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PT 500
~~FINAL~~ REPORT

BEAUFORT SEA AND CHUKCHI SEA NEARSHORE PHYSICAL DATA TAPE FILE DOCUMENTATION FOR TAPE VOLUME RU531

Donald E. Wilson, Stephen D. Pace
Philip D. Carpenter, Howard Teas
Toby Goddard, Peter Wilde,
Patrick Kinney

To: Arctic Project Office
Geophysical Institute
University of Alaska
Fairbanks, AK

For: Research Unit 531
Contract No. NA79RAC00086
National Oceanic and
Atmospheric Administration
Outer Continental Shelf Environmental
Assessment Program (NOAA/OCSEAP);
and Bureau of Land Management

KLI-82-4
2 July 1982

KINNETIC
LABORATORIES
INCORPORATED

P.O. BOX 1040
LABORATORY 3050 PAUL SWEET RD.
SANTA CRUZ, CALIFORNIA 95061
(408) 462-6200

519 WEST EIGHTH AVE.
SUITE 205
ANCHORAGE,ALASKA 99501
(907) 276-6178

KINNETIC
LABORATORIES
INCORPORATED

P.O. BOX 1040
LABORATORY: 3050 PAUL SWEET RD.
SANTA CRUZ, CALIFORNIA 95061
(408) 462-8200

519 WEST EIGHTH AVE.
SUITE 205
ANCHORAGE, ALASKA 99501
(907) 276-6178

2 July 1982

Arctic Project Office
Geophysical Institute
University of Alaska
Fairbanks, AK

SUBJECT: Data Documentation for Tape RU531
Beaufort Sea and Chukchi Sea
Nearshore Physical Data

Tape RU531 contains 20 files of nearshore physical data gathered in the summers of 1979 - 1981 in the Chukchi and Beaufort Seas. The files are of National Oceanographic Data Center (NODC) file types 015, 022, and 056 (see text for details). The first seven files contain current meter data gathered in the Chukchi Sea. Files 8 - 14 contain salinity/temperature/density (STD) data from the Chukchi Sea. Files 15 - 20 record drogue experiments in the Beaufort and Chukchi Seas.

For each file on tape RU531, five pages of documentation are presented. The first page, originator identification, identifies each file by name and gives some supplementary information. The second page, data format, gives a data-type description including the sequence of the file on tape RU531 and physical parameters of the file on the tape. The third through fifth pages are a description and file format of the appropriate NODC file type.

Sincerely,

Peter Wilde

peter Wilde
Computer Programmer

PW/jc

Files on tape RU531:

Sequence/Name	NODC File Type	Description
01) INBRWB	015	Current meter data from inshore Point Barrow, bottom meter.
02) OFBRWB	015	Current meter data from Offshore Point Barrow, bottom meter.
03) OFBRWT	015	Current meter data from Offshore Point Barre\\', top meter.
04) INWNTB	015	Current meter data from inshore Wainwright, bottom meter.
05) OFWNTB	015	Current meter data from Offshore Wainwright, bottom meter.
06) OFWNTT	015	Current meter data from Offshore Wainwright, top meter.
07) PE.4RDB	015	Current meter data from Peard Bay. (salinity and temperature only.)
08) AKUNIK	022	STD data from Akunik Pass.
09) BARROW	022	STD data from Point Barrow.
10) ICYCAP	022	STD data from Icy Cape.
11) PINGOR	022	STD data from Pingora Pass.
12) PTBELC	022	STD data from Point Belcher.
13) SKULLCL	022	STD data from Skull Cliffs.
14) WAINWR	022	STD data from Wainwright.
15) BEAUD1	056	Drogue experiment data from the Beaufort Sea (#1).
16) BEAUD2	056	Drogue experiment data from the Beaufort Sea (#2).
17) BEAUD3	056	Drogue experiment data from the Beaufort Sea (#3).
18) PRDDRG	056	Drogue experiment data from Prudhoe Bay.
19) HARDRG	056	Drogue experiment data from Harrison Bay.
20) WNTDRG	056	Drogue experiment data from Wainwright.

File type is in columns 1-3 of each record of each file.
File name is in columns 4-9 of each record of each file.

ACCESSION NUMBER

DATA DOCUMENTATION FORM

t40AA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20236

FORM APPROVED
O.M.B. No. 41-R2051
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
SantaCruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

INBRWB (file name)
Inshore Point Barrow, Bottom meter (Aanderaa 921)

4. PLATFORM NAME(S)

D. H. Hood

5. PLATFORM TYPE(S) (E. G., SHIP, BUOY, ETC.)

Ship

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
8/7/81	9/3/81

8. ARE DATA PROPRIETARY

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I. E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

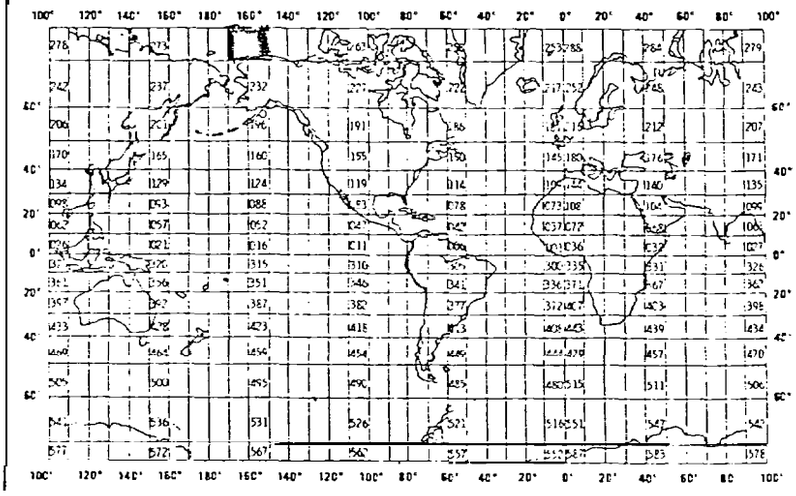
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 015 - Current Meter .(Eulerian) - 3/30/79 version
Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 2	Type 4

File # 1 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note : missing values are represented by empty fields when not presen in any file record, and by '99999' when present in some (but not all) file records.

File # 1 on tape RU531

one current meter time series per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE

See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Peter M. Wilde (408) 462-6200

ADDRESS Kinnetic Laboratories, Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ Bee) ☐ BINARY
☒ ASCII ☐ EBCDIC
☐ _____

5. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

B. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3,4 INCH
☒ Unknown.

O. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT,EOF)

1. PASTE-OK-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE. VOLUME NUMBER)
NOAA contract NA79RAC00086 Volume' RU53
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 96065
NODC file types 015.022.056 3/30/79
Data from Chukchi, Beaufort Seas

2. PHYSICAL BLOCK LENGTH IN BYTES
record length=61, blocksize=1220

3. LENGTH OF BYTES IN BITS
8 bits per byte

10AA FORM 24-13

FILE TYPE 015 - CURRENT METER (EULERIAN) 3/30/79 VERSION

THIS FORMAT IS DESIGNED TO RECORD TIME SERIES MEASUREMENTS FOR ARCHIVED OR FIXED CURRENT METER ARRAYS FOR ANY WATER DEPTH. THESE MEASUREMENTS SUPPORT STUDIES TO DETERMINE CIRCULATION AND TRANSPORT PATTERNS IN OFFSHORE AND NEARSHORE OCEAN REGIMES.

THE FORMAT CONSISTS OF FOUR DATA RECORDS FOR REPORTING CURRENT COMPONENTS, TEMPERATURE, PRESSURE AND SALINITY OR CONDUCTIVITY AS WELL AS METER POSITION AND METER DEPTH, DATES OF OPERATION, WATER DEPTH, METER NUMBER, INSTITUTION AND OTHER SUPPLEMENTARY INFORMATION INCLUDING A RECORD FOR TEXT,

DATA CAN BE REPORTED OVER ANY ACTUAL OR FILTERED TIME INTERVAL AND IS EXPRESSED IN HOURS AND MINUTES. DIRECTION AND SPEED ARE EXPRESSED IN TERMS OF U AND V COMPONENTS IN CM/SEC WTTH POSITIVE DIRECTIONS EA;I AND NORTH AND NEGATIVE DIRECTIONS WEST AND SOUTH.

ALL RECORDS IN THIS FORMAT ARE GO COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (METER NUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

*****FILETYPE 015 3/30/79 - SALINITY FIELD (SC SO) EXTENDED TO ***** 5 BYTES *****

NOTES AND CORRECTIONS

NOTES AND ECT

PARAMETER	DESCRIPTION	EX
TEXT RECORD	ALWAYS '1'	10
METER NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2 AND 3	11
TEXT	THIRTY-EIGHT CHARACTER FIELD FOR COMMENTS OR PERTINENT INFORMATION	16
BLANK		54
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING TEXT INFORMATION	55
MASTER RECORD	ALWAYS '2'	10
METER NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE N OR S - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMXXX PLUS HEMISPHERE E OR W - MINUTES TO HUNDREDTHS	23
DEPTH OF BOTTOM	XXXXX (WHOLE METERS)	31
DEPTH OF CURRENT METER	XXXXX (METERS TO TENTHS)	36
METER USAGE SEQUENCE NUMBER	XXX - USED FOR INDICATING NUMBER OF TIMES METER HAS BEEN USED	41
INSTITUTION	TWO-CHARACTER NODC INSTITUTION CODE - USE CODE 0218	44
AXIS ROTATION	XXX - DEGREES CLOCKWISE FROM TRUE NORTH OF V AXIS - VALUES SHOULD BE 0 WHEN FINAL PROCESSED TO PROVIDE TRUE DIRECTION INFORMATION	46
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY ORIGINATOR	49
NUMBER OF DETAIL RECORDS	XXXXXX - USED TO INDICATE NUMBER OF DETAIL RECORDS (3) TO FOLLOW THE MASTER RECORD (2)	55
DETAIL RECORD 1	ALWAYS '3'	10
METER NUMBER	SEE RECORD	11
DATE (GMT)	YYMMDD	18
TIME (GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	24
EAST-WEST CURRENT COMPONENT (U)	XXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	2[illegible]

NORTH-SOUTH **CURRENT** COMPONENT **(V)**	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
CONDUCTIVITY	XXXX - MMHOS/CM TO HUNDREDTHS	50
BLANK		54
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS ORIGINATOR	55

DETAIL RECORD 2	ALWAYS '4'	10
METER NUMBER	SEE RECORD '1'	11
DATE (GMT)	YYMMDD	16
TIME (GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST **CURRENT** COMPONENT **(u)**	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28
NORTH-SOUTH **CURRENT** COMPONENT **(V)**	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
SALINITY	XXXXX PARTS PER THOUSAND TO THOUSANDTHS	50
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS	55

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
[4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANICAND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATACENTER
RECORDS SECTION
WASHINGTON. DC 20235

FORM APPROVED
O.M. B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETEDBY DONOR FOR ALL DATA TRANSMITTALS

NAME AND ADDRESS OF INSTITUTION, LABORATORY. OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. Expedition.PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

OFBRWB (file name)
Offshore Point Barrow, Bottom meter (Aanderaa 2275)

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) *(E. G.. SHIP, BUOY, ETC.)*	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
D.W. Hood	Ship	USA	USA	8/7/81	9/3/81

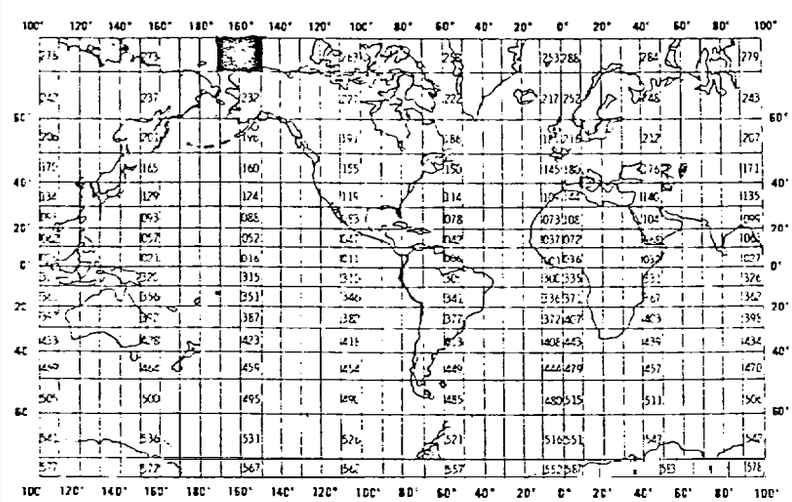
10. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUEMISSION WERE COLLECTED.

GENERAL AREA



12. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I. E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

13. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM 1)*

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

NOAA FORM 24-13

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 015 - Current Meter -(Euler ian) - 3/30/79 version
Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 2	Type 4

File # 2 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note: missing values are represented by empty fields when not presen in any file record, and by '99999' when present in some (but not all) file records.

File # 2 on tape RU531

one current meter time series per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE

See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Peter M. Wilde (408) 467-6200
ADDRESS Kinnetic Laboratories, Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☒ ASCII ☐ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☐ 1600 BP,
☐ 556 BPI
☒ 800 BP I
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown.

10. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT,EOF)

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE. VOLUME NUMBER)*
NOAA contract NA79RAC00086 Volume RU53
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 96065
NODC file types 015,022,056 3/30/79
Data from Chukchi, eaufort eas

12. PHYSICAL BLOCK LENGTH IN BYTES
record length=61, blocksize=1220

13. LENGTH OF BYTES IN BITS
8 bits per byte

NOAA FORM 24-13

FILE TYPE 0 5 - CURRENT METER EULER AN) - 3/30/79 VERSION

NOTES AND CORRECTIONS

THIS FORMAT S DESIGNED TO RECORD T ME SER ES ME SUREMEN S FOR VED OR F XED CURRENT ME ER ARRAYS FOR ANY WA ER DEPTH. THESE MEASUREMENTS SUPPORT STUDIES TO DETERMINE CIRCULAT ON AND TRANSPORT PATTERNS IN OFFSHORE AND NEARSHORE OCEAN REGIMES.

THE FORMAT CONSISTS OF FOUR DATA RECORDS FOR REPORTING CURRENT COMPONENTS, TEMPERATURE, PRESSURE AND SALINITY OR CONDUCTIVITY AS WELL AS METER POS T ON AND METER DEP H, DATES OF OPERATION, WATER DEPTH, METER NUMBER, NST UTION AND OTHER SUPPLEMENTARY INFORMATION INCLUDING A RECORD FOR TEXT

DATA CAN BE REPORTED OVER ANY ACTUAL OR FILTERED TIME INTERV AND IS EXPRESSED IN HOURS AND M NUTES DIRECTION AND SPEED ARE EXPRESSED IN TERMS OF U AND V COMPONENTS I CM/SEC W TH POSITIVE DIRECT ONS EAST AND NORTH AND NEGATIVE DIRECTIONS WEST AND SOUTH.

ALL RECORDS IN THIS FORMAT ARE 60 COLUMNS IN LENGTH THIS FI E IS SORTED BY STATION NUMBER (METER NUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF

*****FILETYPE 0 5 - 3/30/79 - SAL NITY F ELD (SC 50 EXTENDED TO 5 BYTES *****

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
METER NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2 AND 3	11
TEXT	THIRTY-EIGHT CHARACTER FIELD FOR COMMENTS OR PERTINENT INFORMATION	16
BLANK		54
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING TEXT INFORMATION	55
MASTER RECORD	ALWAYS '2'	10
METER NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMMXX PLUS HEMISPHERE E OR W - MINUTES TO HUNDREDTHS	23
DEPTH OF BOTTOM	XXXXX (WHOLE METERS)	31
DEPTH OF CURRENT METER	XXXXX (METERS TO TENTHS	36
METER USAGE SEQUENCE NUMBER	XXX - USED FOR INDICATING NUMBER OF TIMES METER HAS BEEN USED	41
INSTITUTION	TWO-CHARACTER NODC INSTITUTION CODE - USE CODE 0218	44
AXIS ROTATION	XXX - DEGREES CLOCKWISE FROM TRUE NORTH OF V AXIS - VALUES SHOULD BE 0 WHEN FINAL PROCESSED TO PROVIDE TRUE DIRECTION INFORMATION	46
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY ORIGINATOR	49
NUMBER OF DETAIL RECORDS	XXXXXX - USED TO INDICATE NUMBER OF DETAIL RECORDS (3) TO FOLLOW THE MASTER RECORD (2)	55
DETAIL RECORD 1	ALWAYS '3'	10
METER NUMBER	SEE RECORD '1'	11
DATE (GMT)	YYMMDD	16
TIME (GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28

NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
CONDUCTIVITY	XXXX - MMHOS/CM TO HUNDREDTHS	50
BLANK		54
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS ORIGINATOR	55

DETAIL RECORD **2**	ALWAYS '4'	10
METER NUMBER	SEE **RECORD '1'**	11
DATE (GMT)	YYMMDD	16
TIME (GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC **TO** HUNDREDTHS WITH **POSITIVE** DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28
NORTH-SOUTH **CURRENT** COMPONENT (V)	XXXXXX - CM/SEC **TO** HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG **C TO** THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
SALINITY	XXXXX PARTS PER THOUSAND TO THOUSANDTHS	50
SEQUENCE **NUMBER**	XXXXXX - USED FOR SORTING **DATA** RECORDS	55

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

"NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

OFBRWT (file name)
Offshore Point Barrow, top meter (Aanderaa 491)

4. PLATFORM NAME(S)

D.W. Hood

5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)

Ship

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
8/7/81	9/3/81

B. ARE DATA PROPRIETARY

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

1. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

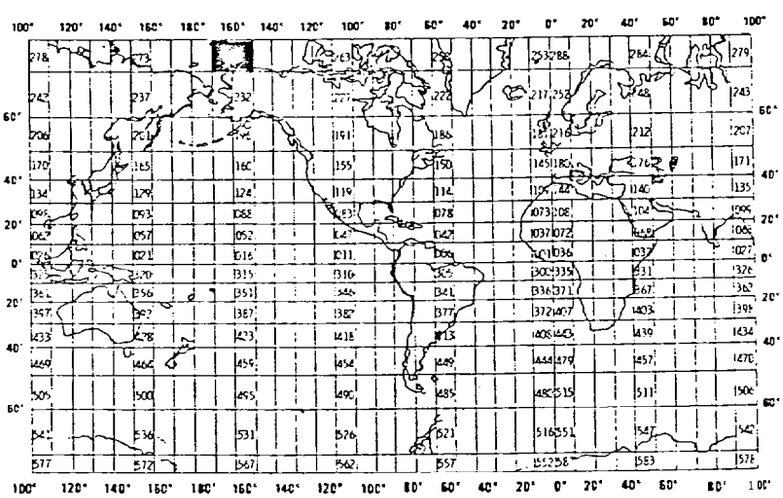
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

2. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Peter M. Wilde
COmputer Services, KLI
(408) 462-6200

1. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



C. DATA FORMA?

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 015 - Current Meter .(Eulerian) - 3/30/79 version
Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 2	Type 4

File # 3 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note: missing values are represented by empty fields when not presen in any file record, and by '99999' when present in some (but not all) file records.

File # 3 on tape RU531

one current meter time series per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE

See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Peter M. Wilde (408) 467-6200

ADDRESS Kinnetic Laboratories, Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNE' Z TAPE

. RECORDING MODE
☐ BCD ☐ 13!KARY
☒ ASCII ☐ EBCDIC
☐ _____

. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

'. PARITY
☒ ODD
☐ EVEN

'. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown.

0. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT,EO)

1. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
NOAA contract NA79RAC00086 Volume RU53
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 96065
NODC file types 015,022,056 3/30/ 9
Data from Chukchi, Beaufort eas

2. PHYSICAL BLOCK LENGTH IN BYTES
record length=61, blocksize=1220

3. LENGTH OF BYTES IN BITS
8 bits per byte

FILETYPE 015 - CURRENTMETER (EuLERIAN) - 3/30/79 VERS1ON

NOTES AND CORRECTIONS

THISFORMAT IS DESIGNEDTO RECORD TIME SERIES MEASUREMENTSFOR ARCHIVED OR FIXED CURRENTMETERARRAYSFOR ANY WATERDEPTH. THESE MEASUREMENTS SUPPORT STUDIESTODETERMINECIRCULATIONANDTRANSPORT PATTERNS IN OFFSHORE AND NEARSHORE OCEAN REGIMES.

THE FORMAT CONSISTS OF FOUR DATA RECORDS FOR REPORTING CURRENT COMPONENTS, TEMPERATURE, PRESSUREAND SALINITY ORCONDUCTIVITYASWELL ASMETERPOSITION AND METERDEPTH, DATES OF OPERATION, WATERDEPTH, METER NUMBER, INSTITUTIONANDOTHER SUPPLEMENTARY INFORMATIONINCLUDING A RECORD FOR TEXT,

DATACANBEREPORTEDOVERANY ACTUAL OR FILTEREDTIMEINTERVALAND IS EXPRESSED IN HOURS AND MINUTES. DIRECTION AND SPEED ARE EXPRESSED IN TERMS OF U AND V COMPONENTS IN CM/SEC WITH POSITIVE DIRECTIONS EAST AND NORTH AND NEGATIVE DIRECTIONS WEST AND SOUTH.

ALL RECORDS IN THIS FORMAT ARE 60 COLUMNS INLENGTH.THISFILEIS SORTED BY STATION NUMBER(METERNUMBER), RECORD TYPE ANDSEQUENCE NUMBER TO OBTAINTHE PROPER SEQUENCE OF RECORDS.

*****FILETYPE 015 - 3/30/79 - SALINITY FIELD (SC 50)EXTENDED TO 5 BYTES*****

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
METER NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2 AND 3	11
TEXT	THIRTY-EIGHT CHARACTER FIELDFOR COMMENTS OR PERTINENTINFORMATION	16
BLANK		54
SEQUENCE NUMBER	XXXXXX - USED FORSORTING TEXT INFORMATION	55
MASTER RECORD	ALWAYS '2'	10
METER NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' MINUTES TO HUNDREDTHS	23
DEPTH OF BOTTOM	XXXXX (WHOLE METERS)	31
DEPTH OF CURRENT METER	XXXXX(METERS TO TENTHS)	36
METER USAGE SEQUENCE NUMBER	XXX - USED FOR INDICATING NUMBER OF TIMES METER HAS BEEN USED	41
INSTITUTION	TWO-CHARACTER NODC INSTITUTION CODE - USE CODE 0218	44
AXIS ROTATION	XXX - DEGREES CLOCKWISE FROM TRUE NORTH OF V AXIS - VALUES SHOULD BE 0 WHEN FINAL PROCESSED TO PROVIDE TRUE DIRECTION INFORMATION	46
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY ORIGINATOR	49
NUMBER OF DETAIL RECORDS	XXXXXX - USED TO INDICATE NUMBER OF DETAIL RECORDS (3) TO FOLLOW THE MASTER RECORD (2)	55
DETAIL RECORD 1	ALWAYS '3'	10
METER NUMBER	SEE RECORD '1'	11
DATE (GMT)	YYMMDD	16
TIME (GMT)	XXXXXX (HOURS,MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITH CUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28

NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
CONDUCTIVITY	XXXX - MMHOS/CM TO HUNDREDTHS	50
BLANK		54
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS ORIGINATOR	55

DETAIL RECORD 2	ALWAYS '4'	10
METER NUMBER	SEE RECORD '1'	11
DATE (GMT)	YYMMDD	16
TIME (GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28
NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
SALINITY	XXXXX PARTS PER THOUSAND TO THOUSANDTHS	50
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS	55

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
[4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M. B. No. 41-R2651
EXPIRES J-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifies. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA WERE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

INWNTB (file name)
Inshore Wainwright, bottom meter
(General Oceanics 2010, meter H)

4. PLATFORM NAME (S)

D.W. Hood

5. PLATFORM TYPE(S) *(E. G., SHIP. BUOY. ETC.)*

Ship

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
8/7/81	9/3/81

8. ARE DATA PROPRIETARY

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

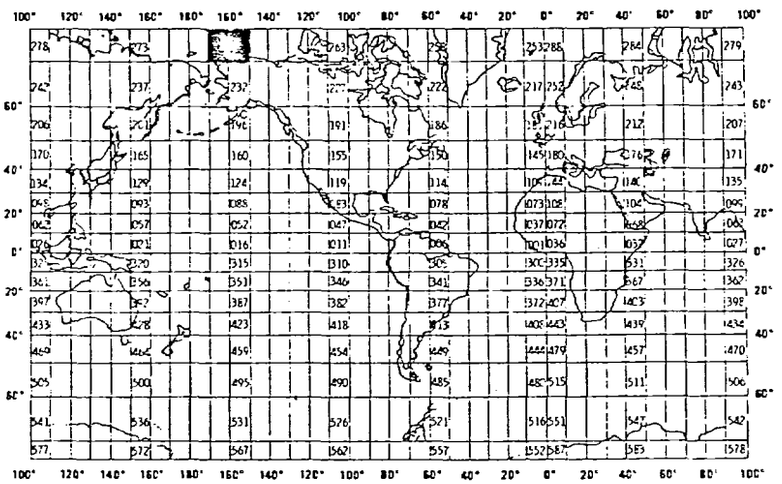
[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



NOAA FORM 24-13

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 015 - Current Meter . (Eulerian) - 3/30/79 version

Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 2	Type 4

File # 4 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note : missing values are represented by empty fields when not presen in any file record, and by '99999' when present in some (but not all) file records.

File # 4 on tape RU531

one current meter time series per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE

See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Peter A. Wilde (408) 462-6200

ADDRESS Kinnetic Laboratories. Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☒ ASCII ☐ EBCDIC
☐ _____

5. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown.

10. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT,EOF)

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAYSPEC1F1CATIONS OF DATA TYPE. VOLUME NUMBER)

NOAA contract NA79RAC00086 Volume RU53
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 96065
NODC file types 015,022,0S6 3/30/79
Data from Chukchi, Beaufort Seas

12. PHYSICAL BLOCK LENGTH IN BYTES

record length=61, blocksize=1220

13. LENGTH OF BYTES IN BITS

8 bits per byte

NOAA FORM 24-13

FILE TYPE 015 - CURRENTMETER (EuLERIAN) - 3/30/79VERSION

THISFORMAT IS DESIGNED TO RECORD TIME SERIESMEASUREMENTSFOR ARCHIVED OR FIXED CURRENT METERARRAYSFOR ANY WATERDEPTH. THESE MEASUREMENTS SUPPORT STUDIESTODETERMINECIRCULATIONANDTRANSPORT PATTERNS IN OFFSHOREANDNEARSHORE LICEAN REGIMES.

THEFORMAT CONSISTS OF FOURDATARECORDS FOR REPORTING CURRENT COMPONENTS, TEMPERATURE,PRESSUREAND SALINITY OR CONDUCTIVITYASWELL ASMETER POSITION AND METER DEPTH, DATES OF OPERATION. WATERDEPTH, METER NUMBER, INSTITUTIONANDOTHER 5L1PPLEI'JENTAR% INFORMATION INCLUDING A RECORD FOR TEXT.

DATACAN BE REPORTEDOVERANY ACTUAL OR FILTEREDTIMEINTERVALAND IS EXPRESSED IN HOURS AND MINUTES. DIRECTION AND SPEED ARE EXPRESSED IN TERMS OF U AND V COMPONENTS IN CM/SEC WITH POSITIVE DIRECTIONS EAST AND NORTHAND NEGATIVE DIRECTIONSWESTANDSOUTH.

ALL RECOROS IN THIS FORMAT ARE 60 COLUMNS INLENGTH. THIS FILEIS SORTED BY STATION NUMBER(METERNUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAINTHE PROPER SEQUENCE OF RECORDS.

*****FILETYPE 015 - 3/30/79 - SALINITY FIELD (SC 50)EXTENDEDTO*****
5 BYTES *****

NOTESAND CORRECTIONS

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
METER NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2 AND 3	11
TEXT	THIRTY-EIGHT CHARACTER FIELD FOR COMMENTS OR PERTINENT INFORMATION	16
BLANK		54
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING TEXT INFORMATION	55
MASTER RECORD	ALWAYS '2'	10
METER NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' MINUTES TO HUNDREDTHS	23
DEPTH OF BOTTOM	XXXXX (WHOLE METERS)	31
DEPTH OF CURRENT METER	XXXXX (METERS TO TENTHS)	36
METER USAGE SEQUENCE NUMBER	XXX - USED FOR INDICATING NUMBER OF TIMES METER HAS BEEN USED	41
INSTITUTION	TWO-CHARACTER NODC INSTITUTION CODE - USE CODE 0210	44
AXIS ROTATION	XXX - DEGREES CLOCKWISE FROM TRUE NORTH OF V AXIS - VALUES SHOULD BE 0 WHEN FINAL PROCESSED TO PROVIDE TRUE DIRECTION INFORMATION	46
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY ORIGINATOR	49
NUMBER OF DETAIL RECORDS	XXXXXX - USED TO INDICATE NUMBER OF DETAIL RECORDS (3) TO FOLLOW THE MASTER RECORD (2)	55
DETAIL RECORD 1	ALWAYS '3'	10
METER NUMBER	SEE RECORD '1'	11
DATE (GMT)	YYMMDD	16
TIME (GMT)	Xxxxxx (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28

NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
CONDUCTIVITY	XXXX - MMHOS/CM TO HUNDREDTHS	50
BLANK		54
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS ORIGINATOR	55

DETAIL RECORD 2	ALWAYS '4'	10
METER NUMBER	SEE RECORD '1'	11
DATE (GMT)	Y YMMDD	16
TIME (GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28
NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
SALINITY	XXXXX PARTS PER THOUSAND TO THOUSANDTHS	50
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS	55

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13 (4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, **Originator Identification, must be completed** when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 96065

1. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

OFWNTB (file name)
Offshore Wainwright, bottom meter
(General Oceanics 2010, meter P)

4. PLATFORM NAME(S)

D.W. Hood

5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)

Ship

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
8/7/81	9/3/81

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

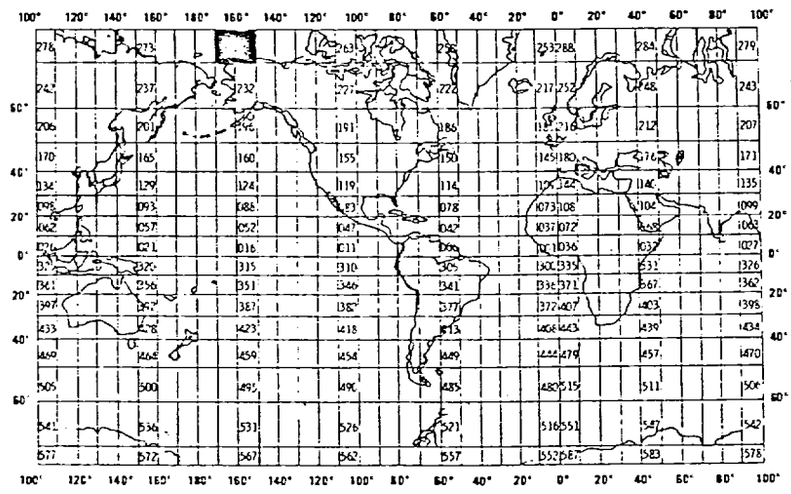
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



NOAA FORM 24-13

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 015 - Current Meter . (Eulerian) - 3/30/79 version
Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 2	Type 4

File # 5 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note : missing values are represented by empty fields when not presen in any file record, and by '99999' when present in some (but not all) file records.

File # 5 on tape RU531

one current-meter time series per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE

See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Peter M. Wilde (408) 467-6200

ADDRESS Kinnetic Laboratories, Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☒ ASCII ☐ EBCDIC
☐ _____

5. NUMBER OF TRACKS (CHANNELSI
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORO GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown.

D. END OF FILE MARK
☐ OCTA1. 17
☒ Octal 4 (EOT,EO)

1. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE. VOLUME NUMBER)
NOAA contract NA79RAC00086 Volume' RU53
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 96065
NODC file types 015,022.056 3/30/79
Data from Chukchi. eaufort Seas

2. PHYSICAL BLOCK LENGTH IN BYTES
record length=61, blocksize=1220

3. LENGTH OF BYTES IN BITS
8 bits per byte

NOAA FORM 24-13

FILE TYPE 015 - CURRENTMETER (EuLERIAN) - 3/30/79 VERS1ON

NOTES AND CORRECTIONS

THISFORMAT IS DESIGNED TO RECORD TIME SERIES MEASUREMENTSFOR ARCHIVED OR FIXED CURRENT METERARRAYS FOR ANY WATERDEPTH. THESE MEASUREMENTS SUPPORT STUDIES TO DETERMINE CIRCULATION AND TRANSPORT PATTERNS IN OFFSHORE AND NEARSHORE OCEAN REGIMES.

THEFORMAT CONSISTS OFFOURDATA RECORDS FOR REPORTING CURRENT COMPONENTS, TEMPERATURE, PRESSUREAND SALINITY ORCONDUCTIVITY AS WELL ASMETER POSITION ANO METER DEPTH,DATESOF OPERATION, WATERDEPTH, METER NUMBER, INSTITUTIONANDOTHER SUPPLEMENTARY INFORMATIONINCLUDING ARECORD FOR TEXT,

DATA CAN BE REPORTED OVER ANY ACTUAL O R FILTERED TIME INTERVAL AND I S EXPRESSED IN HOURS AND MINUTES. DIRECTION ANO SPEEDARE EXPRESSEDIN TERMS OF U AND V COMPONENTS IN CM/SEC WITH POSITIVE DIRECTIONSEASTAND NORTH AND NEGATIVE DIRECTIONS WEST AND SOUTH.

ALL RECORDS IN THIS FORMAT ARE GO COLUMNS INLENGTH. THIS FILEIS SORTED BY STATION NUMBER(METERNUMBER), RECORD TYPE ANDSEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

*****FILETYPE 015 - 3/30/79 SALINITY FIELD (S C 50) EXTENDED TO*****
5 BYTES

PARAMETER	C)ESCF(IPTION	SC
TEXT RECORD	ALWAYS '1'	10
METER NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2 AND 3	11
TEXT	THIRTY-EIGHT CHARACTER FIELD FOR COMMENTS OR PERTINENT INFORMATION	16
BLANK		54
SEQUENCE NUMBER	Xx,x.(x,x - USED FOR SORTINGTEXT INFORMATION	55
MASTER RECORD	ALWAYS '2'	10
METER NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX Pi-us HEMISPHERE 'N' OR 'S' MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' MINUTES TO HUNDREDTHS	23
DEPTH OF BOTTOM	XXXXX (WHOLE METERS)	31
DEPTH OF CURRENT METER	XXXXX (METENS TO TENTHS)	36
METER USAGE SEQUENCE NUMBER	XXX - USED FOR INDICATINGNUMBER OF TIMES METER HAS BEENUSED	41
INSTITUTION	TWO-CHARACTER NODC INSTITUTION CODE - USE CODE 0218	44
AXIS ROTATION	XXX - DEGREES CLOCKWISE FROM TRUE NORTH OF V AXIS - VALUES SHOULD BE 0 WHEN FINAL PROCESSED TO PROVIDE TRUE DIRECTION INFORMATION	46
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY ORIGINATOR	49
NUMBER OF DETAIL RECORDS	XXXXXX - USED TO INDICATE NUMBER OF DETAIL RECORDS (3) TO FOLLOW THE MASTER RECORD (2)	55
DETAIL RECORD 1	ALWAYS '3'	10
METER NUMBER	SEE RECORD '1'	11
DATE (GMT)	YYMMDD	16
TIME (GMT)	XXXXXX (HOURS,MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28

NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
CONDUCTIVITY	XXXX MMHOS/CM TO HUNDREDTHS	50
BLANK		54
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS ORIGINATOR	55

DETAIL RECORD 2	ALWAYS '4'	10
METER NUMBER	SEE RECORD '1'	11
DATE (GMT)	YYMMDD	16
TIME (GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28
NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
SALINITY	XXXXX PARTS PER THOUSAND TO THOUSANDTHS	50
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS	55

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

OFWNTT (file name)
Offshore Wainwright, top meter
(General Oceanics 2010, meter X)

4. PLATFORM NAME(S): D.W. Hood

5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.): Ship

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/Y
8/7/81	9/3/81

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

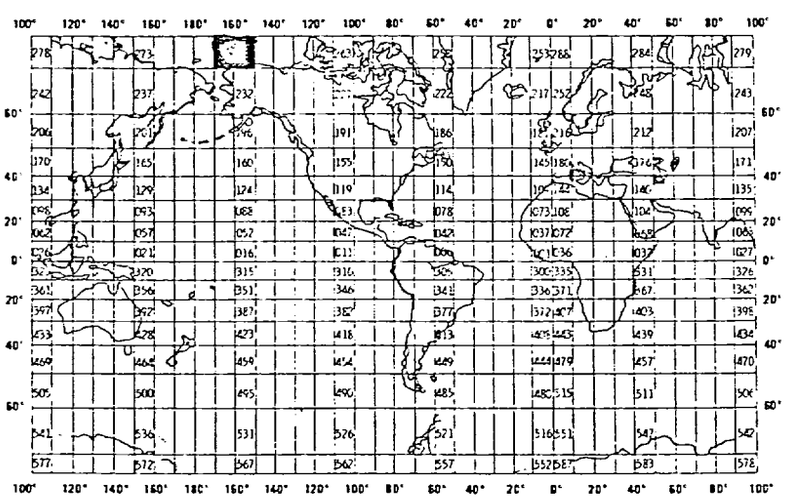
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 015 - Current Meter .(Eulerian) - 3/30/79 version
Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 2	Type 4

File # 6 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note: missing values are represented by empty fields when not presen in any file record, and by '99999' when present in some (but not all) file records.

File # 6 on tape RU531

one current meter time series per file.

3. ATTRIBUTES AS EXPRESSED IN
See appended format.

[ ] PL-1 [ ] ALGOL [n] COBOL
[ ] FORTRAN [ ] _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Peter M. Wilde (408) 462-6200
ADDRESS Kinnetic Laboratories, Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
[ ] BCD [ ] BINARY
[X] ASCII [ ] EBCDIC
[ ] _____

5. NUMBER OF TRACKS (CHANNELS)
[ ] SEVEN
[X] NINE
[ ] _____

7. PARITY
[X] ODD
[ ] EVEN

8. DENSITY
[ ] 200 BPI [ ] 1600 BPI
[ ] 556 BPI
[X] 800 BPI
[ ] _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN)
[ ] 3/4 INCH
[X] Unknown.

O. END OF FILE MARK
[ ] OCTAL 17
[X] Octal 4 (EOT,EOF)

1. PASTE-ON-PAPER LABEL Description (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE. VOLUME NUMBER)
NOAA contract NA79RAC00086 Volume RU531
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 96065
NODC file types 015,022,056 3/30/79
Data from Chukchi, Beaufort Seas

12. PHYSICAL BLOCK LENGTH IN BYTES
record length=61, blocksize=1220

13. LENGTH OF BYTES IN BITS
8 bits per byte

NOAA FORM 24-13

F LE TYPE 015 - CURRENT METER (EULERIAN) - 3/30/79 VERSION

NOTES AND CORRECTIONS

THIS FORMAT IS DESIGNED TO RECORD TIME SERIES MEASUREMENTS FOR ARCHIVED OR FIXED CURRENT METER ARRAYS FOR ANY WATER DEPTH. THESE MEASUREMENTS SUPPORT STUDIES TO DETERMINE CIRCULATION AND TRANSPORT PATTERNS IN OFFSHORE AND NEARSHORE OCEAN REGIMES.

THE FORMAT CONSISTS OF FOUR DATA RECORDS FOR REPORTING CURRENT COMPONENTS, TEMPERATURE, PRESSURE AND SALINITY OR CONDUCTIVITY AS WELL AS METER POSITION AND METER DEPTH, DATES OF OPERATION, WATER DEPTH, METER NUMBER, INSTITUTION AND OTHER SUPPLEMENTARY INFORMATION INCLUDING A RECORD FOR TEXT.

DATA CAN BE REPORTED OVER ANY ACTUAL OR FILTERED TIME INTERVAL AND IS EXPRESSED IN HOURS AND MINUTES. DIRECTION AND SPEED ARE EXPRESSED IN TERMS OF U AND V COMPONENTS IN CM/SEC WITH POSITIVE DIRECTIONS EAST AND NORTH AND NEGATIVE DIRECTIONS WEST AND SOUTH.

ALL RECORDS IN THIS FORMAT ARE 60 COLUMNS IN LENGTH THIS FILE IS SORTED BY STATION NUMBER (METER NUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

***** F LETYPE 015 - 3/30/79 - SALINITY FIELD SC 50 EXTENDED TO*****
5 BYTES

NOTES AND ECTIONS

PARAMETER	DESCRIPTION	C
TEXT RECORD	ALWAYS '1'	0
METER NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2 AND 3	1
TEXT	THIRTY-EIGHT CHARACTER FIELD FOR COMMENTS OR PERTINENT INFORMATION	1[illegible]
BLANK		4
SEQUENCE NUMBER	XXXXXX - USED FOR ING TEXT INFORMATION	5
MASTER RECORD	ALWAYS '2'	0
METER NUMBER	SEE RECORD '1'	1
LATITUDE	DDMMXX PLUS HEMISPHERE N OR S - MINUTES TO HUNDREDTHS	6
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	2
DEPTH OF BOTTOM	XXXXX (WHOLE METERS)	[illegible]
DEPTH OF CURRENT METER	XXXXX (METERS TO TENTHS	3[illegible]
METER USAGE SEQUENCE NUMBER	XXX - USED FOR INDICATING NUMBER OF TIMES METER HAS BEEN USED	41
INSTITUTION	TWO-CHARACTER NODC INSTITUTION CODE - USE CODE 0218	44
AXIS ROTATION	XXX - DEGREES CLOCKWISE FROM TRUE NORTH OF V AXIS - VALUES SHOULD BE 0 WHEN FINAL PROCESSED TO PROVIDE TRUE DIRECTION INFORMATION	1[illegible]
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY ORIGINATOR	49
NUMBER OF DETAIL RECORDS	XXXXXX - USED TO INDICATE NUMBER OF DETAIL RECORDS (3) TO FOLLOW THE MASTER RECORD (2)	55
DETAIL RECORD 1	ALWAYS '3'	10
METER NUMBER	SEE RECORD '1'	11
DATE (GMT)	YYMMDD	16
TIME (GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28

NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONL (EASTANDNORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDEL BY MINUS SIGN	24
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
CONDUCTIVITY	XXXX - MMHOS/CM TO HUNDREDTHS	50
BLANK		54
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS ORIGINATOR	55

DETAIL RECORD 2	ALWAYS '4'	10
METER NUMBER	SEE RECORD '1'	11
DATE (GMT)	YYMMDD	16
TIME (GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EASTANDNORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUSSIGN	28
NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUSSIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED E"{ MINUSSIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
SALINITY	XXXXX PARTSPERTHOUSAND TO THOUSANDTHS	50
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS	55

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-771

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

PEARDB (file name)
Peard Bay meter
(Aanderaa 2384)
(temperature, salinity only)

4. PLATFORM NAME(S)

D.W. Hood

5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)

Ship

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
8/7/81	9/3/81

8. ARE DATA PROPRIETARY

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

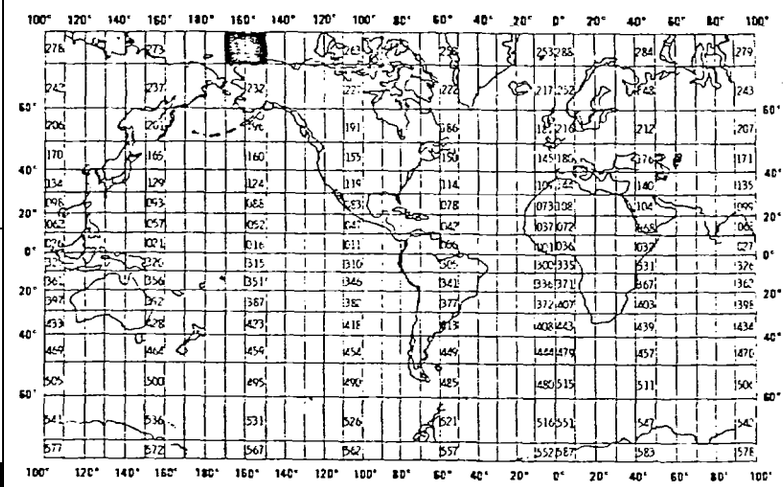
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Peter M. Wilde
Computer Services", KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



NOAA FORM 24-13

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 015 - Current Meter (Eulerian) - 3/30/79 version
Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 2	Type 4

File # 7 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note: missing values are represented by empty fields when not presen in any file record, and by '99999' when present in some (but not all) file records.

File # 7 on tape RU531

one current meter time series per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
See appended format. ☐ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Peter M. Wilde (408) 462-6200
ADDRESS Kinnetic Laboratories, Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THISSECTION IF DATA ARE ON MAGNETIC TAPE

j. RECORDING MODE
☐ BCD ☐ 131NARY
☒ ASCII ☐ EBCDIC
☐ _____

5. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

3. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown

10. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT,EOF)

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE. VOLUMEN UMBER)*
NOAA contract NA79RAC00086 Volume RU53
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 96065
NODC file types 015,022,056 3/30/79
Data from Chukchi, Beaufort Seas

12. PHYSICAL BLOCK LENGTH IN BYTES
record length=61, blocksize=1220

13. LENGTH OF BYTES IN BITS
8 bits per byte

10AA FORM 24-13

FILE TYPE 015 - CURRENT METER (EuLERIAN) - 3/30/79 VERSION

NOTES AND CORRECTIONS

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THE FORMAT CONSISTS OF FOUR DATA RECORDS FOR REPORTING CURRENT COMPONENTS, TEMPERATURE, PRESSURE AND SALINITY OR CONDUCTIVITY AS WELL AS METER POSITION AND METER DEPTH, DATES OF OPERATION, WATER DEPTH, METER NUMBER, INSTITUTION AND OTHER SUPPLEMENTARY INFORMATION INCLUDING A RECORD FOR TEXT,

DATA CAN BE REPORTED OVER ANY ACTUAL OR FILTERED TIME INTERVAL AND IS EXPRESSED IN HOURS AND MINUTES. DIRECTION AND SPEED ARE EXPRESSED IN TERMS OF U AND V COMPONENTS IN CM/SEC WITH POSITIVE DIRECTIONS EAST AND NORTH AND NEGATIVE DIRECTIONS WEST AND SOUTH.

ALL RECORDS IN THIS FORMAT ARE 60 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (METER NUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS,

*****FILETYPE 015 - 3/30/79 - SALINITY FIELD (SC 50) EXTENDED TO 5 BYTES*****

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
METER NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2 AND 3	11
TEXT	THIRTY-EIGHT CHARACTER FIELD FOR COMMENTS OR PERTINENT INFORMATION	16
BLANK		54
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING TEXT INFORMATION	55
MASTER RECORD	ALWAYS '2'	10
METER NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMX.X PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	23
DEPTH OF BOTTOM	XXXXX (WHOLE METERS)	31
DEPTH OF CURRENT METER	XXXXX (METERS TO TENTHS)	36
METER USAGE SEQUENCE NUMBER	XXX - USSO FOR INDICATING NUMBER OF TIMES METER HAS BEEN USED	41
INSTITUTION	TWO-CHARACTER NODC INSTITUTION CODE - USE CODE 0218	44
AXIS ROTATION	xxx - DEGREES CLOCKWISE FROM TRUE NORTH OF V AXIS - VALUES SHOULD BE 0 WHEN FINAL PROCESSED TO PROVIDE TRUE DIRECTION INFORMATION	46
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY ORIGINATOR	49
NUMBER OF DETAIL RECORDS	XXXXXX - USED TO INDICATE NUMBER OF DETAIL RECORDS (3) TO FOLLOW THE MASTER RECORD (2)	55
DETAIL RECORD 1	ALWAYS '3'	10
METER NUMBER	SEE RECORD '1'	11
DATE (GMT)	YYMMDD	16
TIME (GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28

NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
T TUR≤	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
CONDUCTIVITY	XXXX - MMHOS/CM TO HUNDREDTHS	50
BLANK		54
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS ORIGINATOR	55

DETAIL RECORD 2	ALWAYS '4'	10
METER NUMBER	SEE RECORD '1'	11
DATE (GMT)	YYMMDD	16
TIME (GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28
NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
SALINITY	XXXXX PARTS PER THOUSAND TO THOUSANDTHS	50
SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS	55

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M. B. No. 41-R2651
EXPIRES 1-81

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A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION. LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATE

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USEO BY ORIGINATOR TO IDENTIFY OATA IN THIS SHIPMENT

AKUNIK (file name)
Akunik Pass STD casts
(Interocean STD 513D #5451168)

4. PLATFORM NAME(S)

D. Ii. Hood

5. PLATFORM TYPE(S) (E. G., SHIP. BUOY. ETC.)

Ship

6. PLATFORM AND OPERATOR NAT IO NALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YL
8/7/81	9/3/81

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E. SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

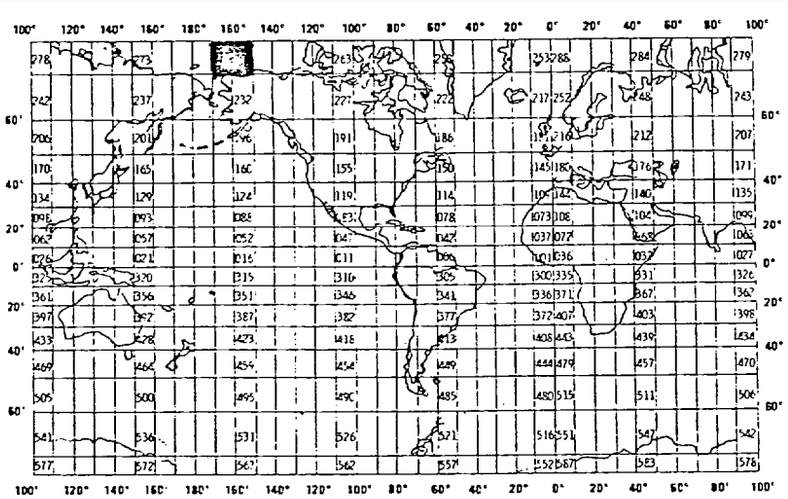
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN 1A' ITEM-1)

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



OAA FORM 24-13

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 022 - Salinity /Temperature/Density Measurements (STD/CTD) - 3/30/79 Version

Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 1	Type 3
Detail Record 2	Type 4

File # 8 on tape RU531.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note: missing values are represented by empty fields when not present in any file record, and by 99999' when present in some (but not all) file records.

File # 8 on tape RU531.

4-5 STD casts per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ Pi--I ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE

See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Peter M. Wilde (408) 467-6700

ADDRESS Kinnetic Laboratories, Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ CD ☐ BINARY
☐ ASCII ☐ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown

10. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT,EO)

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE. VOLUME NUMBER)

NOAA contract NA79RAC00086 Volume RU531
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30/79
Data from Chukchi, Beaufort Seas

12. PHYSICAL BLOCK LENGTH IN BYTES
recordlength=121 . blocksize=1210

13. LENGTH OF BYTES IN BITS
8 bits per byte

NOAA FORM 24-13

FILE TYPE 022 SALINITY/TEMPERATURE/DENSITY MEASUREMENTS(STD/CTD)
3/30/79 VERSION

THIS FORMAT IS DESIGNED TO RECORD MICROSTRUCTURE MEASUREMENTS OF SALINITY OR CONDUCTIVITY, TEMPERATURE AND SIGMA-T VALUES VS DEPTH TO SUPPORT STUDIES OF TRANSPORT AND ALTERATION OF CONTAMINANTS BY THE ENVIRONMENT.

THIS FORMAT CONSISTS OF FIVE RECORDS WHICH INCLUDE, IN ADDITION TO FIVE ENTRIES OF TEMPERATURE, SALINITY, SIGMA-T PER RECORD, EXTENSIVE SEA SURFACE AND CLIMATOLOGY FIELDS, POSITION, DATE, TIME AND DEPTH INFORMATION AND A TEXT RECORD.

DATA CAN BE RECORDED AT DIFFERENT DEPTH INTERVALS WHICH ARE IDENTIFIED IN THE SCAN FIELD. A RECENT ADDITION TO THE FORMAT IS A RECORD WITH DISSOLVED OxYGEN AND TRANSMISSIVITY FIELDS FORMATTED SIMILARLY TO THE TEMPERATURE/SALINITY DATA RECORD.

ALL RECORDS IN THIS FORMAT ARE 120 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (CAST NUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

*****FILETYPE 022 - 3/30/79 - ADDED NEW DETAIL RECORD 3-RECORD *11**
*****TYPE '5' ****

NOTES AND CORRECTIONS

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
CAST NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2,3 AND 4	11
TEXT	100-CHARACTER FIELD - USED FOR COMMENTS OR PERTINENT INFORMATION	16
SEQUENCE NUMBER	XXXXX - USED FOR SORTING TEXT RECORDS	116
MASTER RECORD	ALWAYS '2'	10
CAST NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' MINUTES TO HUNDREDTHS	23
CRUISE IDENTIFICATION	TEN-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR	31
NUMBER OF SCANS	XXXXX - USED TO INDICATE NUMBER OF SCANS PER STATION (FIVE/RECORD)	41
DATE (GMT)	YYMMDD	46
TIME (GMT)	XXXX (HOURS AND MINUTES)	52
DEPTH INTERVAL INDICATOR	ONE-DIGIT CODE - USE CODE 0216	56
DEPTH INTERVAL	XXX - WHEN INDICATOR CODE=1 (EQUA. SPACED DEPTHS) - (METERS TO TENTHS)	57
BAROMETRIC PRESSURE	XXXXX (MILLIBARS TO TENTHS)	60
WET BULB TEMPERATURE	XXXX (DEG CENTIGRADE TO TENTHS)	65
DRY BULB TEMPERATURE	XXXX (DEG CENTIGRADE TO TENTHS)	69
WIND DIRECTION	XX - TWO-DIGIT CODE - WMO 885/887 - DIRECTION FROM - USE CODE 0110	73
WIND SPEED	XX (WHOLE KNOTS)	75
WEATHER	ONE-DIGIT CODE - WMO 4501 - USE CODE 0108	77
SEA STATE	ONE-DIGIT CODE - WMO 3700 - USE CODE 0109	78
VISIBILITY	ONE-DIGIT CODE - WMO 4300 - USE CODE 0157	79
CLOUD TYPE	ONE-DIGIT CODE - WMO 0500 - USE CODE 0053	80
CLOUD AMOUNT	ONE-DIGIT CODE - WMO 2700 - USE CODE 0105	81
INSTRUMENT INFORMATION	TWENTY-CHARACTER FIELD FOR TYPE OF INSTRUMENT, SERIAL NUMBER, ETC	82
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY THE ORIGINATOR	102
DEPTH TO BOTTOM	XXXXX (WHOLE METERS)	108
MAXIMUMDEPTH OF CAST	XXXX (WHOLE METERS)	113
BLANKS		117

DETAIL RECORD 1	ALWAYS '3'	1
CAST NUMBER	SEE RECORD '1'	1
DEPTH*	XXXXX (METERS TO TENTHS)	1
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS)	2
SALINITY*	XXXXX PARTS PER THOUSAND TO THOUSANDTHS	2
SIGMA-T*	XXXX - TO HUNDREDTHS	31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	6

DETAIL RECORD 2	ALWAYS '4'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
~~DISSOLVED OXYGEN~~*	XXXXX - ML/L TO THOUSANDTHS	21
TRANSMISSIVITY*	XXXXX (PERCENT TO THOUSANDTHS)	26
BLANKS*		31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	6

DETAIL RECORD 3	ALWAYS '5'	1
CAST NUMBER	SEE RECORD	1
DEPTH*	XXXXX (METERS TO TENTHS)	1
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS	2
CONDUCTIVITY*	XXXXX (MMHO/CM TO THOUSANDTHS	2
BLANKS		3
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	3
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	6

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SE C71ON
WASHINGTON. DC 20235

FORM APPROVED
O.M. B. NO. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary in formation enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION. LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DA TAARE AS SO CIATEI

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

BARROW (file name)
Point Barrow STD casts
(Interocean STD 513D #5451168)

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E. G., SHIP. BUOY. ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/Y
D.W. Hood	Ship	USA	USA	8/7/81	9/3/81

8. ARE DATA PROPRIETARY

[X] NO [ ] YES

IF YES. WHEN CAN THEY BE RELEASED FOR GENERAL uSE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
[I. E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE7)

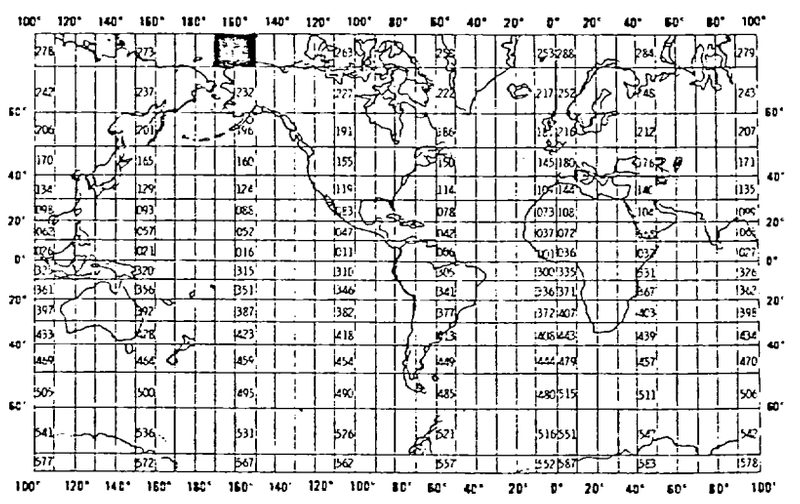
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

O. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 022 - Salinity /Temperature/Density Measurements (STD/CTD) - 3/30/79 Version

Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 1	Type 3
Detail Record 2	Type 4

File # 9 on tape RU531.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note: missing values are represented by empty fields when not presen in any file record, and by '99999' when present in some (but not all) file records.

File # 9 on tape RU531.

4-5 STD casts per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PI--1 ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE

See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Peter M. 1. 1 de (408) 462-6200

ADDRESS Kinnetic Laboratories, Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

RECORDING MODE
☐ BCD ☐ BINARY
☒ ASCII ☐ EBCDIC
☐ _____

NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

PARITY
☒ ODD
☐ EVEN

DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown

10. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT E( )

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE.* VOLUME NUMBER)
NOAA contract NA79RAC00086 Volume RU5
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30, 9
Data from Chukchi, Beaufort Seas

12. PHYSICAL BLOCK LENGTH IN BYTES
recordlength=121 . blocksize=1210

13. LENGTH OF BYTES IN BITS
8 bits per byte

NOAA FORM 24-13

FILE TYPE #22 - SALINITY/TEMPERATURE/DENSITY MEASUREMENTS STD/CTD
3/30/79 VERSION

THIS FORMAT IS DESIGNED TO RECORD MICROSTRUCTURE MEASUREMENTS OF SALINITY OR CONDUCTIVITY, TEMPERATURE AND SIGMA-T VALUES VS DEPTH TO SUPPORT STUDIES OF TRANSPORT AND ALTERATION OF CONTAMINANTS BY THE ENVIRONMENT.

THIS FORMAT CONSISTS OF FIVE RECORDS WHICH INCLUDE, IN ADDITION TO FIVE ENTRIES OF TEMPERATURE, SALINITY, SIGMA-T PER RECORD, EXTENSIVE SEA SURFACE AND CLIMATOLOGY FIELDS, POSITION, DATE, TIME AND DEPTH INFORMATION AND A TEXT RECORD.

DATA CAN BE RECORDED AT DIFFERENT DEPTH INTERVALS WHICH ARE IDENTIFIED IN THE SCAN FIELD. A RECENT ADDITION TO THE FORMAT IS A RECORD WITH DISSOLVED OXYGEN AND TRANSMISSIVITY FIELDS FORMATTED SIMILAR TO THE TEMPERATURE/SALINITY DATA RECORD.

ALL RECORDS IN THIS FORMAT ARE 120 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (CAST NUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

•••••FILETYPE #22 - 3/30/79 - ADDED NEW DETAIL RECORD 3 -RECORD *****
*****TYPE '5' *****

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	0
CAST NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2,3 AND 4	1
TEXT	100-CHARACTER FIELD - USED FOR COMMENTS OR PERTINENT INFORMATION	6
SEQUENCE NUMBER	XXXXX - USED FOR SORTING TEXT RECORDS	6
MASTER RECORD	ALWAYS '2'	10
CAST NUMBER	SEE RECORD '1'	11
LATITUDE	DDMXXX PLUS HEMISPHERE E N OR S - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMXXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	23
CRUISE IDENTIFICATION	TEN-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR	31
NUMBER OF SCANS	XXXXX - USED TO INDICATE NUMBER OF SCANS PER STATION (FIVE/RECORD)	41
DATE (GMT)	YYMMDD	46
TIME (GMT)	XXXX (HOURS AND MINUTES)	52
DEPTH INTERVAL INDICATOR	ONE-DIGIT CODE - USE CODE 0216	56
DEPTH INTERVAL	XXX - WHEN INDICATOR CODE=1 (EQUAL SPACED DEPTHS) - (METERS TO TENTHS)	57
BAROMETRIC PRESSURE	XXXXX (MILLIBARS TO TENTHS)	60
WET BULB TEMPERATURE	XXXX (DEG CENTIGRADE TO TENTHS)	65
DRY BULB TEMPERATURE	XXXX (DEG CENTIGRADE TO TENTHS)	69
WIND DIRECTION	XX - TWO-DIGIT CODE - WMO 885/887 - DIRECTION FROM - USE CODE 0110	73
WIND SPEED	XX (WHOLE KNOTS)	75
WEATHER	ONE-DIGIT CODE - WMO 4501 - USE CODE 0108	77
SEA STATE	ONE-DIGIT CODE - WMO 3700 - USE 0109	78
VISIBILITY	ONE-DIGIT CODE - WMO 4300 - USE CODE 0157	79
CLOUD TYPE	ONE-DIGIT CODE - WMO 0500 - USE CODE 0053	80
CLOUD AMOUNT	ONE-DIGIT CODE - WMO 2700 - USE CODE 0105	8
INSTRUMENT INFORMATION	TWENTY-CHARACTER FIELD FOR TYPE OF INSTRUMENT, SERIAL NUMBER, ETC	82
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY THE ORIGINATOR	102
DEPTH TO BOTTOM	XXXXX (WHOLE METERS	108
MAXIMUM DEPTH OF CAST	XXXX (WHOLE METERS)	113
BLANKS		117

DETAIL RECORD 1	ALWAYS '3'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS)	21
SALINITY*	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	26
SIGMA-T*	XXXXX - TO HUNDREDTHS	31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 2	ALWAYS '4'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
~~DISSOLVED OXYGEN~~*	XXXXX - ML/L TO THOUSANDTHS	21
TRANSMISSIVITY*	XXXXX (PERCENT TO THOUSANDTHS)	26
BLANKS*		31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 3	ALWAYS '5'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS)	21
CONDUCTIVITY*	XXXXX (MMHO/CM TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
14-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O. M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research UNit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

ICYCAP (file name)
Icy Cape STD casts
(Interocean STD 513D #5451168)

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/Y
D.W. Hood	Ship	USA	USA	8/7/81	9/3/81

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

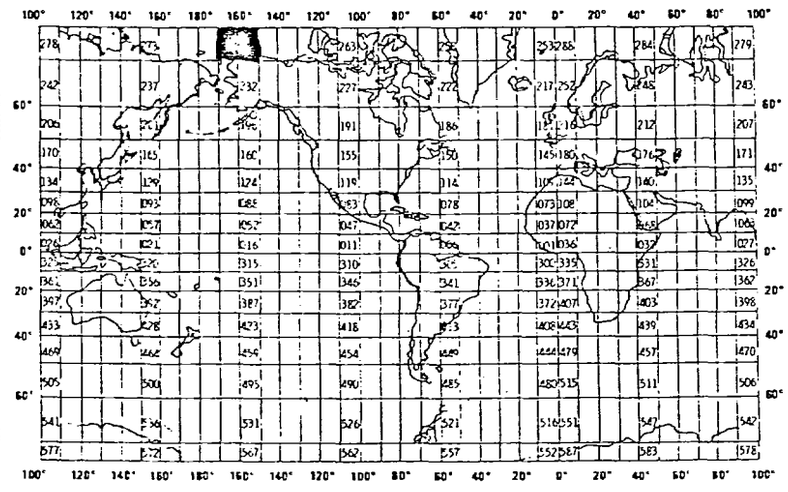
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

0. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Peter M. WIlde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



NOAA FORM 24-13

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 022 - Salinity /Temperature/Density Measurements (STD/CTD) - 3/30/79 Version

Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 1	Type 3
Detail Record 2	Type 4

File #10 on tape RU531.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note : missing values are represented by empty fields when not preser in any file record, and by '99999' when present in some (but not all) file records.

File # 10 on tape RU531.

4-5 STD casts per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE

See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Peter M. Wilde (408) 462-6200

ADDRESS Kinnetic Laboratories, Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE TI-DISSECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☒ ASCII ☐ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown

10. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT, EO

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE. VOLUMEN UMBER)

NOAA contract NA79RAC00086 Volume RU53
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30/ 9
Data from Chukchi, Beaufort eas

12. PHYSICAL BLOCK LENGTH IN BYTES

recordlength=121 , blocksize=1210

13. LENGTH OF BYTES IN BITS

8 bits per byte

NOAA FORM 24-13

FILE TYPE 022 SALINITY/TEMPERATURE/DENSITY MEASUREMENTS (STD/CTD)
3/30/79 VERSION

THIS FORMAT IS DESIGNED TO RECORD MICROSTRUCTURE MEASUREMENTS OF SALINITY OR Conductivity. TEMPERATURE AND SIGMA-T VALUES VS DEPTH TO SUPPORT STUDIES OF TRANSPORT AND ALTERATION OF CONTAMINANTS BY THE ENVIRONMENT.

THIS FORMAT CONSISTS OF FIVE RECORDS WHICH INCLUDE, IN ADDITION TO FIVE ENTRIES OF TEMPERATURE, SALINITY, SIGMA-T PER RECORD, EXTENSIVE SEA SURFACE AND CLIMATOLOGY FIELDS, POSITION, DATE, TIME AND DEPTH INFORMATION AND A TEXT RECORD.

DATA CAN BE RECORDED AT DIFFERENT DEPTH INTERVALS WHICH ARE IDENTIFIED IN THE SCAN FIELD. A RECENT ADD[TIO}J TO THE FORMAT IS A RECORD WITH DISSOLVED OXYGEN AND TRANSMISSIVITY FIELDS FORMATTED SIMILAR TO THE TEMPERATURE/SALINITY DATA RECORD.

ALL RECORDS IN THIS FORMAT ARE 120 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (CAST NUMBER), RECORD TYPE AND SEQUENCE NUMBER To OBTAIN THE PROPER SEQUENCE OF RECORDS.

*****FILETYPE 022 - 3/30/79 - ADDED NEW DETAIL RECORD 3 -RECORD *****
*****TYPE '5' *****

NOTES AND CORRECTIONS

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
CAST NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2,3 AND 4	11
TEXT	100-CHARACTER FIELD - USED FOR COMMENTS OR PERTINENT INFORMATION	16
SEQUENCE NUMBER	XXXXX - USED FOR SORTING TEXT RECORDS	116
MASTER RECORD	ALWAYS '2'	10
CAST NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' MINUTES TO HUNDREDTHS	23
CRUISE IDENTIFICATION	TEN-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR	31
NUMBER OF SCANS	XXXXX - USED TO INDICATE NUMBER OF SCANS PER STATION (FIVE/RECORD)	41
DATE (GMT)	YYMMDD	46
TIME (GMT)	XXXX (HOURS AND MINUTES)	52
DEPTH INTERVAL INDICATOR	ONE-DIGIT CODE - USE CODE 0216	56
DEPTH INTERVAL	XXX - WHEN INDICATOR CODE=1 (EQUAL SPACED DEPTHS) - (METERS TO TENTHS)	57
BAROMETRIC PRESSURE	XXXXX (MILLIBARS TO TENTHS)	60
WET BULB TEMPERATURE	XXXX (DEG CENTIGRADE TO TENTHS)	65
DRY BULB TEMPERATURE	XXXX (DEG CENTIGRADE TO TENTHS)	69
WIND DIRECTION	XX - TWO-DIGIT CODE - WMO 885/887 - DIRECTION FROM - USE CODE 0110	73
WIND SPEED	XX (WHOLE KNOTS)	75
WEATHER	ONE-DIGIT CODE - WMO 4501 - USE CODE 0108	77
SEA STATE	ONE-DIGIT CODE - WMO 3700 - USE CODE 0109	78
VISIBILITY	ONE-DIGIT CODE - WMO 4300 - USE CODE 0157	79
CLOUD TYPE	ONE-DIGIT CODE - WMO 0500 - USE CODE 0053	80
CLOUD AMOUNT	ONE-DIGIT CODE - WMO 2700 - USE CODE 0105	81
INSTRUMENT INFORMATION	TWENTY-CHARACTER FIELD FOR TYPE OF INSTRUMENT, SERIAL NUMBER, ETC	82
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY THE ORIGINATOR	102
DEPTH TO BOTTOM	XXXXX (WHOLE METERS)	108
MAXIMUMDEPTH OF CAST	XXXX (WHOLE METERS)	113
BLANKS		117

NOTES AND CORRECTIONS

DETAIL RECORD 1	ALWAYS '3'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS)	21
SALINITY*	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	26
SIGMA-T*	XXXX - TO HUNDREDTHS	31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 2	ALWAYS '4'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
~~DISSOLVED OXYGEN~~*	XXXXX - ML/L TO THOUSANDTHS	21
TRANSMISSIVITY*	XXXXX (PERCENT TO THOUSANDTHS)	26
BLANKS*		31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 3	ALWAYS '5'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS)	21
CONDUCTIVITY*	XXXXX (MMHO/CM TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
[4-77]

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20236

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form **should accompany all data submissions to NODC.** Section A, **Originator Identification, must be completed** when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten **submissions are acceptable** in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA WAS ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

PINGOR (file name)
Pingora Pass STD casts
(Interocean STD 513D #5451168)

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
D.W. Hood	Ship	USA	USA	8/7/81	9/3/81

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

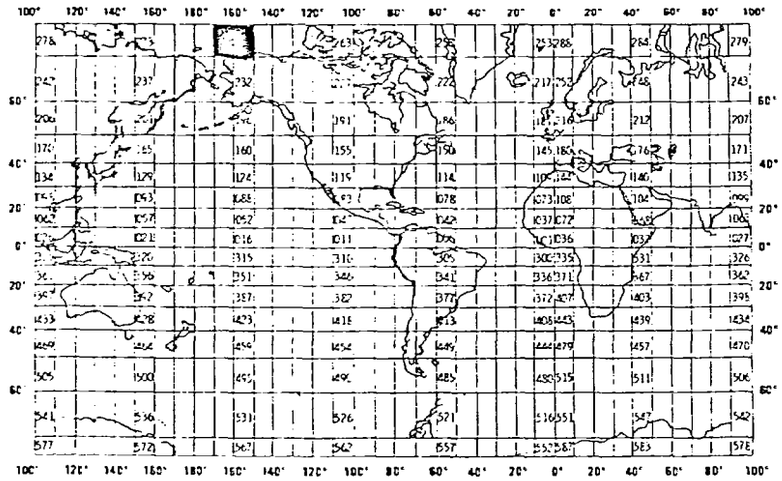
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



C. DATA FORMAT

COMPLETE THIS SECTION FOR PuNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE **METHOD OF IDENTIFYING EACH RECORD TYPE**

NODC File Type 022 - Salinity /Temperature/Density Measurements (STD/CTD) - 3/30/79 Version

Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 1	Type 3
Detail Record 2	Type 4

File # 11 on tape RU531.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note: missing values are represented by empty fields when not presen in any file record, and by '99999' when present in some (but not all) file records.

File # 11 on tape RU531.

4-5 STD casts per file.

3. ATTRIBUTESAS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
See appended format. ☐ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Peter M. Wilde (408) 467-67r-in
ADDRESS Kinnetic Laboratories, Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☒ ASCII ☐ EBCDIC
☐ _____

5. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

B. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown

0. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT, EC)

1. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY5PEC1FICATIONS OF DATA TYPE, VOLUME NUMBER)*
NOAA contract NA79RAC00086 Volume RU53
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30/ 9
Data from Chukchi, eaufort eas

2. PHYSICAL BLOCK LENGTH IN BYTES
recordlength=121, blocksize=1210

3. LENGTH OF BYTES IN BITS
8 bits per byte

NOAA FORM 24-13

FILE TYPE 022 - SALINITY/TEMPERATURE/DENSITY MEASUREMENTS (STD/CTD)
3/30/79 VERSION

THIS FORMAT IS DESIGNED TO RECORD MICROSTRUCTURE MEASUREMENTS OF SALINITY OR CONDUCTIVITY, TEMPERATURE AND SIGMA-T VALUES VS DEPTH TO SUPPORT STUDIES OF TRANSPORT AND ALTERATION OF CONTAMINANTS BY THE ENVIRONMENT.

THIS FORMAT CONSISTS OF FIVE RECORDS WHICH INCLUDE, IN ADDITION TO FIVE ENTRIES OF TEMPERATURE, SALINITY, SIGMA-T PER RECORD, EXTENSIVE SEA SURFACE AND CLIMATOLOGY FIELDS, POSITION, DATE, TIME AND DEPTH INFORMATION AND A TEXT RECORD.

DATA CAN BE RECORDED AT DIFFERENT DEPTH INTERVALS WHICH ARE IDENTIFIED IN THE SCAN FIELD. A RECENT ADDITION TO THE FORMAT IS A RECORD WITH DISSOLVED OXYGEN AND TRANSMISSIVITY FIELDS FORMATTED SIMILAR TO THE TEMPERATURE/SALINITY DATA RECORD.

ALL RECORDS IN THIS FORMAT ARE 120 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (CAST NUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

NOTES AND CORRECTIONS

****FILETYPE 022 - 3/30/79 - ADDED NEW DETAIL RECORD 3 - RECORD ****
*****TYPE '5' *****

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
CAST NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2,3 AND 4	11
TEXT	100-CHARACTER FIELD - USED FOR COMMENTS OR PERTINENT INFORMATION	16
SEQUENCE NUMBER	XXXXX - USED FOR SORTING TEXT RECORDS	116
MASTER RECORD	ALWAYS '2'	10
CAST NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	23
CRUISE IDENTIFICATION	TEN-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR	31
NUMBER OF SCANS	XXXXX - USED TO INDICATE NUMBER OF SCANS PER STATION (FIVE/RECORD)	41
DATE (GMT)	YYMMDD	46
TIME (GMT)	XXXX (HOURS AND MINUTES)	52
DEPTH INTERVAL INDICATOR	ONE-DIGIT CODE - USE CODE 0216	56
DEPTH INTERVAL	XXX - WHEN INDICATOR CODE=1 (EQUAL SPACED DEPTHS) - (METERS TO TENTHS)	57
BAROMETRIC PRESSURE	XXXXX (MILLIBARS TO TENTHS)	60
WET BULB TEMPERATURE	XXXX (DEG CENTIGRADE TO TENTHS)	65
DRY BULB TEMPERATURE	XXXX (DEG CENTIGRADE TO TENTHS)	69
WIND DIRECTION	XX - TWO-DIGIT CODE - WMO 885/887 - DIRECTION FROM - USE CODE 0110	73
WIND SPEED	XX (WHOLE KNOTS)	75
WEATHER	ONE-DIGIT CODE - WMO 4501 - USE CODE 0108	77
SEA STATE	ONE-DIGIT CODE - WMO 3700 - USE CODE 0109	78
VISIBILITY	ONE-DIGIT CODE - WMO 4300 - USE CODE 0157	79
CLOUD TYPE	ONE-DIGIT CODE - WMO 0500 - USE CODE 0053	80
CLOUD AMOUNT	ONE-DIGIT CODE - WMO 2700 - USE CODE 0105	81
INSTRUMENT INFORMATION	TWENTY-CHARACTER FIELD FOR TYPE OF INSTRUMENT, SERIAL NUMBER, ETC	82
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY THE ORIGINATOR	102
DEPTH TO BOTTOM	XXXXX (WHOLE METERS)	108
MAXIMUM DEPTH OF CAST	XXXX (WHOLE METERS)	113
BLANKS		117

DETAIL RECORD 1	ALWAYS '3'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS	21
SALINITY*	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	26
SIGMA-T*	XXXX - TO HUNDREDTHS	31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	6

DETAIL RECORD 2	ALWAYS '4'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
~~DISSOLVED OXYGEN~~*	XXXXX - ML/L TO THOUSANDTHS	21
TRANSMISSIVITY*	XXXXX (PERCENT TO THOUSANDTHS)	26
BLANKS*		31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0030	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	6

DETAIL RECORD 3	ALWAYS '5'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS	21
CONDUCTIVITY*	XXXXX (MMHO/CM TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
14-771

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20238

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1 -81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

PTBELC (file name)
Pt. Belcher STD casts
(Interocean STD 513D #5451168)

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
D.W. Hood	Ship	USA	USA	8/7/81	9/3/81

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

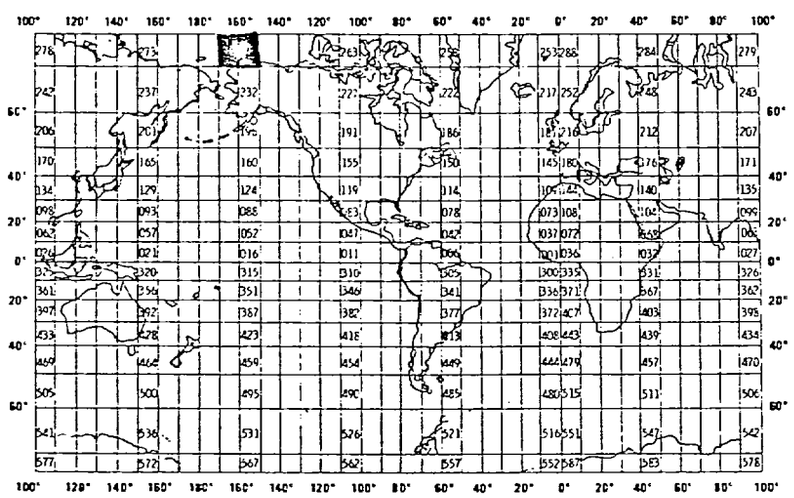
[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

0. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



NOAA FORM 24-13

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED **CARDS** OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING **EACH RECORD TYPE**

NODC File Type 022 - Salinity/Temperature/Density Measurements (STD/CTD) - 3/30/79 Version

Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 1	Type 3
Detail Record 2	Type 4

File # 12 on tape RU531.

2. GIVE BRIEF DESCRIPTION **OF FILE ORGANIZATION**

See appended description.

note: missing values are represented by empty fields when not preser in any file record, and by '99999' when present in some (but not all) file records.

File # 12 on tape RU531.

4-5 STD casts per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
See appended format. ☐ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME **AND** PHONE NUMBER Peter M. Wilde (408) 467-6700
ADDRESS Kinnetic Laboratories, Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☐ Ascii ☐ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown

10. ENO OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT, EC)

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE.* VOLUME NUMBER)
NOAA contract NA79RAC00086 Volume RU53
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30/ 9
Data from Chukchi, eaufort eas

12. PHYSICAL BLOCK LENGTH IN BYTES
recordlength=121 . blocksize=1210

13. LENGTH OF BYTES IN BITS
8 bits per byte

IOAA FORM 24-13

FILE TYPE 022 SALINITY/TEMPERATURE/DENSITY MEASUREMENTS (STD/CTD)
3/30/79 VERSION

THIS FORMAT IS DESIGNED TO RECORD MICROSTRUCTURE MEASUREMENTS OF SALINITY OR CONDUCTIVITY> TEMPERATURE AND SIGMA-T VALUES VS DEPTH TO SUPPORT STUDIES OF TRANSPORT AND ALTERATION OF CONTAMINANTS BY THE ENVIRONMENT.

THIS FORMAT CONSISTS OF FIVE RECORDS WHICH INCLUDE, IN ADDITION TO FIVE ENTRIES OF TEMPERATURE, SALINITY, SIGMA-T PER RECORD, EXTENSIVE SEA SURFACE AND CLIMATOLOGY FIELDS, POSITION, DATE, TIME AND DEPTH INFORMATION AND A TEXT RECORD.

DATA CAN BE RECORDED AT DIFFERENT DEPTH INTERVALS WHICH ARE IDENTIFIED IN THE SCAN FIELD. A RECENT ADDITION TO THE FORMAT IS A RECORD WITH DISSOLVED OXYGEN AND TRANSMISSIVITY FIELDS FORMATTED SIMILAR TO THE TEMPERATURE/SALINITY DATA RECORD.

ALL RECORDS IN THIS FORMAT ARE 120 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (CAST NUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

*****FILETYPE 022 - 3130179 ADDED NEW DETAIL RECORD 3 - RECORD ****
*****TYPE '5' ****

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
CAST NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2,3 AND 4	11
TEXT	100-CHARACTER FIELD - USED FOR COMMENTS OR PERTINENT INFORMATION	16
SEQUENCE NUMBER	XXXXX - USED FOR SORTING TEXT RECORDS	116
MASTER RECORD	ALWAYS '2'	10
CAST NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	23
CRUISE IDENTIFICATION	TEN-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR	3
NUMBER OF SCANS	XXXXX - USED TO INDICATE NUMBER OF SCANS PER STATION (FIVE/RECORD)	41
DATE (GMT)	YYMMDD	46
TIME (GMT)	XXXX (HOURS AND MINUTES)	52
DEPTH INTERVAL INDICA	ONE-DIGIT CODE - USE CODE °216	56
DEPTH INTERVAL	XXX - WHEN INDICATOR CODE 1 (EQUAL SPACED DEPTHS) - (METERS TO TENTHS)	57
BAROMETRIC PRESSURE	XXXXX (MILLIBARS TO TENTHS)	60
WET BULB TEMPERATURE	XXXX (DEG CENTIGRADE TO TENTHS)	65
DRY BULB TEMPERATURE	XXXX (DEG CENTIGRADE TO TENTHS)	69
WIND DIRECTION	XX - TWO-DIGIT CODE - WMO 885/887 - DIRECTION FROM - USE CODE ° °	73
WIND SPEED	XX (WHOLE KNOTS)	75
WEATHER	ONE-DIGIT CODE - WMO 4501 USE CODE 0108	77
SEA STATE	ONE-DIGIT CODE - WMO 3100 - USE CODE 0109	78
VISIBILITY	ONE-DIGIT CODE - WMO 4300 - USE CODE 0157	79
CLOUD TYPE	ONE-DIGIT CODE - WMO 0500 - USE CODE 0053	80
CLOUD AMOUNT	ONE-DIGIT CODE - WMO 2700 - USE CODE 0105	81
INSTRUMENT INFORMATION	TWENTY-CHARACTER FIELD FOR TYPE OF INSTRUMENT, SERIAL NUMBER, ETC	82
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY THE ORIGINATOR	102
DEPTH TO BOTTOM	XXXXX (WHOLE METERS)	108
MAXIMUM DEPTH OF CAST	XXXX (WHOLE METERS)	113
BLANKS		117

NOTES AND CORRECTIONS

DETAIL RECORD 1	ALWAYS '3'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS	21
SALINITY*	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	26
SIGMA-T*	XXXX - TO HUNDREDTHS	31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 2	ALWAYS '4'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
~~DISSOLVED OXYGEN~~*	XXXXX - ML/L TO THOUSANDTHS	21
TRANSMISSIVITY*	XXXXX (PERCENT TO THOUSANDTHS)	26
BLANKS*		31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBE	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 3	ALWAYS '5'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS	21
CONDUCTIVITY*	XXXXX (MMHO/CM TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13 (4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

SKULLC (file name)
Skull Cliffs STD casts
(Interocean STD 513D #5451168)

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
D.W. Hood	Ship	USA	USA	8/7/81	9/3/81

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

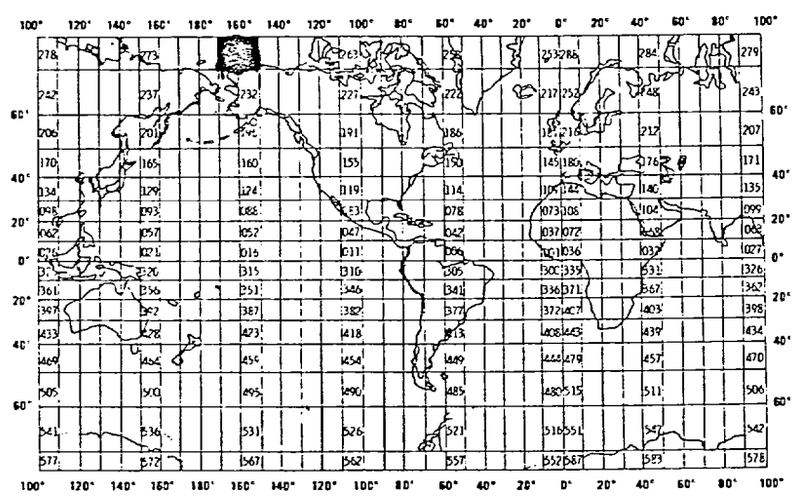
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



NOAA FORM 24-13

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 022 - Salinity /Temperature/Density Measurements (STD/CTD) - 3/30/79 Version

Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 1	Type 3
Detail Record 2	Type 4

File # 13 on tape RU531.

GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note: missing values are represented by empty fields when not presen in any file record, and by '99999' when present in some (but not all) file records.

File # 13 on tape RU531.

4-5 STD casts per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE

See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Peter M. '1de (408) 462-6200

ADDRESS Kinnetic Laboratories, Inc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

RECORDING MODE
- ☐ sccl ☐ BINARY
- [X] ASCII ☐ EBCDIC
- ☐ _____

NUMBER OF TRACKS (CHANNELS)
- ☐ SEVEN
- [X] NINE
- ☐ _____

PARITY
- ☐ cIDD
- ☐ EVEN

DENSITY
- ☐ 200 BPI ☐ 1600 BPI
- ☐ 556 BPI
- [X] 800 BPI
- ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
[X] Unknown

0. END OF FILE MARK
☐ OCTAL 17
[X] Octal 4 (EOT, EO

1. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

NOAA contract NA79RAC00086 Volume RU53
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30/ 9
Data from Chukchi, Beaufort Seas

2. PHYSICAL BLOCK LENGTH IN BYTES
recordlength=121, blocksize=1210

3. LENGTH OF BYTES IN BITS
8 bits per byte

FILE TYPE 022 - SALINITY/TEMPERATURE/DENSITY MEASUREMENTS (STD/CTD)
3/30/79 VERSION

NOTES AND CORRECTIONS

THIS FORMAT IS DESIGNED TO RECORD MICROSTRUCTURE MEASUREMENTS OF SALINITY OR CONDUCTIVITY, TEMPERATURE AND SIGMA-T VALUES VS DEPTH TO SUPPORT STUDIES OF TRANSPORT AND Alteration OF CONTAMINANTS BY THE ENVIRONMENT.

THIS FORMAT CONSISTS OF FIVE RECORDS WHICH INCLUDE, IN ADDITION TO FIVE ENTRIES OF TEMPERATURE, SALINITY, SIGMA-T PER RECORD, EXTENSIVE SEA SURFACE AND CLIMATOLOGY FIELDS, POSITION, DATE, TIME AND DEPTH INFORMATION AND A TEXT RECORD.

DATA CAN BE RECORDED AT DIFFERENT DEPTH INTERVALS WHICH ARE IDENTIFIED IN THE SCAN FIELD. A RECENT ADDITION TO THE FORMAT IS A RECORD WITH DISSOLVED OXYGEN AND TRANSMISSIVITY FIELDS FORMATTED SIMILAR TO THE TEMPERATURE/SALINITY DATA RECORD.

ALL RECORDS IN THIS FORMAT ARE 120 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (CAST NUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

*****FILETYPE 022 - 3/30/79 - ADDED NEW DETAIL RECORD 3-RECORD*****
*****TYPE '5' *****

NOTES AND CORRECTIONS

PARAMETE	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	0
CAST NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2,3 AND 4	1
TEXT	100-CHARACTER FIELD - USED FOR COMMENTS OR PERTINENT INFORMATION	[illegible]
SEQUENCE NUMBER	XXXXX - USED FOR SORTING TEXT RECORDS	6
MASTER RECORD	ALWAYS '2'	0
CAST NUMBER	SEE RECORD '1'	1
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS	6
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	23
CRUISE IDENTIFICATION	TEN-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR	3
NUMBER OF SCANS	XXXXX - USED TO INDICATE NUMBER OF SCANS PER STATION (FIVE/RECORD)	41
DATE (GMT)	YYMMDD	46
TIME (GMT)	XXXX (HOURS AND MINUTES)	52
DEPTH INTERVAL INDICATOR	ONE-DIGIT CODE - USE CODE 0216	56
DEPTH INTERVAL	XXX - WHEN INDICATOR CODE=1 (EQUAL SPACED DEPTHS) - (METERS TO TENTHS)	57
BAROMETRIC PRESSURE	XXXXX (MILLIBARS TO TENTHS)	60
WET BULB TEMPERATUR	XXXX (DEG CENTIGRADE TO TENTHS)	65
DRY BULB TEMPERATUR	XXXX (DEG CENTIGRADE TO TENTHS)	69
WIND DIRECTION	XX - TWO-DIGIT CODE - WMO 885/887 - DIRECTION FROM - USE CODE 0110	73
WIND SPEED	XX (WHOLE KNOTS)	75
WEATHER	ONE-DIGIT CODE - WMO 4500 - USE CODE 0108	77
SEA STATE	ONE-DIGIT CODE - WMO 3700 - USE CODE 0109	78
VISIBILITY	ONE-DIGIT CODE - WMO 4300 - USE CODE 0157	79
CLOUD TYPE	ONE-DIGIT CODE - WMO 0500 - USE CODE 0053	80
CLOUD AMOUNT	ONE-DIGIT CODE - WMO 2700 - USE CODE 0105	8
INSTRUMENT INFORMATION	TWENTY-CHARACTER FIELD FOR TYPE OF INSTRUMENT, SERIAL NUMBER, ETC	82
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY THE ORIGINATOR	102
DEPTH TO BOTTOM	XXXXX (WHOLE METERS	108
MAXIMUM DEPTH OF CAST	XXXX (WHOLE METERS)	113
BLANKS		117

DETAIL RECORD 1	ALWAYS '3'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS)	21
SALINITY*	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	26
SIGMA-T*	XXXX - TO HUNDREDTHS	31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 2	ALWAYS '4'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
~~DISSOLVED OXYGEN~~*	XXXXX - ML/L TO THOUSANDTHS	21
TRANSMISSIVITY*	XXXXX (PERCENT TO THOUSANDTHS)	26
BLANKS*		31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FORSORTING OATA RECORDS	116

DETAIL RECORD 3	ALWAYS '5'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS)	21
CONDUCTIVITY*	XXXXX (MMHO/CM TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
[4-77]

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. AU data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ASSOCIATE I

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research UNit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

WAINWR (file name)
Wainwright STD casts
(Interocean STD 513D #5451168)

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E. G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/Y
D.W. Hood	Ship	USA	USA	8/7/81	9/3/81

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH _

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I. E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

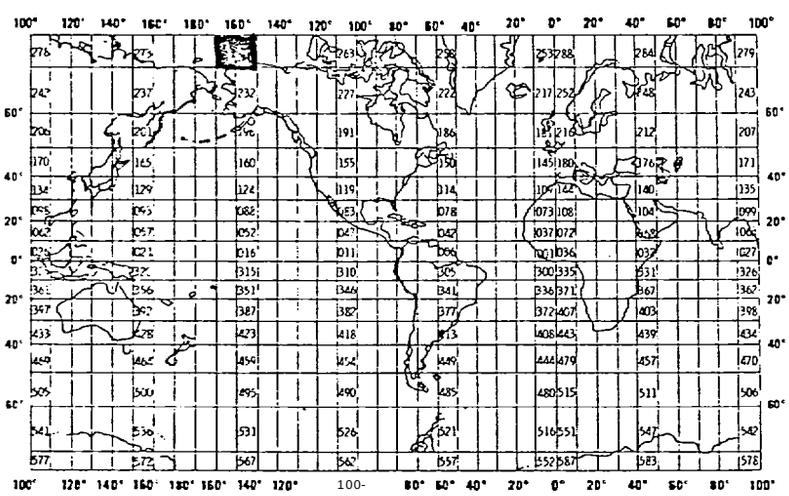
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



NOAA FORM 24-13

C. DATA FORMA?

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETICTAP E, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EAcH RECORD TYPE

NODC File Type 022 - Salinity /Temperature/Density Measurements (STD/ CTD) - 3/30/79 Version

Record types can be identified by code in column 10 of each record.

Text Record	Type 1
Master Record	Type 2
Detail Record 1	Type 3
Detail Record 2	Type 4

File # 14 on tape RU531.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.

note: missing values are represented by empty fields when not prese in any file record, and by '99999' when present in some (but not all) file records.

File # 14 on tape RU531.

4-5 STD casts per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
See appended format. ☐ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Peter M. Wilde (408) 462-6200
ADDRESS Kinnetic Laboratories. Tnc . 3050 Paul 51ueel- Rd
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

6. RECORDING MODE
☐ BCD ☐ BINARY
☒ ASCII ☐ EBCDIC
☐ _____

7. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

8. PARITY
☒ ODD
☐ EVEN

DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown

10. ENO OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT E( )

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
NOAA contract NA79RAC00086 Volume RU53
Research Unit 531 (NOAA/ OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet Road, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30/ 9
Data from Chukchi, Beaufort seas

12. PHYSICAL BLOCK LENGTH IN BYTES
recordlength=121, blocksize=1210

13. LENGTH OF BYTES IN BITS
8 bits per byte

OAA FORM 24-13

FILE TYPE 022 SALINITY/TEMPERATURE/DENSITY MEASUREMENTS (STD/CTD)
3/30/79 VERSION

THIS FORMAT IS DESIGNED TO RECORD MICROSTRUCTURE MEASUREMENTS OF SALINITY OR CONDUCTIVITY, TEMPERATURE AND SIGMA-T VALUES VS DEPTH TO SUPPORT STUDIES OF TRANSPORT AND ALTERATION OF CONTAMINANTS BY THE ENVIRONMENT.

THIS FORMAT CONSISTS OF FIVE RECORDS WHICH INCLUDE, IN ADDITION TO FIVE ENTRIES OF TEMPERATURE, SALINITY, SIGMA-T PER RECORD, EXTENSIVE SEA SURFACE AND CLIMATOLOGY FIELDS, POSITION, DATE, TIME AND DEPTH INFORMATION AND A TEXT RECORD.

DATA CAN BE RECORDED AT DIFFERENT DEPTH INTERVALS WHICH ARE IDENTIFIED IN THE SCAN FIELD. A RECENT ADDITION TO THE FORMAT IS A RECORD WITH DISSOLVED OXYGEN AND TRANSMISSIVITY FIELDS FORMATTED SIMILAR TO THE TEMPERATURE/SALINITY DATA RECORD.

ALL RECORDS IN THIS FORMAT ARE 120 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (CAST NUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

*****FILETYPE 022 - 3/30/79 - ADDED NEW DETAIL RECORD 3 -RECORD ****
4+TypE '5' *****

NOTES AND CORRECTIONS

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
CAST NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2,3 AND 4	11
TEXT	100-CHARACTER FIELD - USED FOR COMMENTS OR PERTINENT INFORMATION	16
SEQUENCE NUMBER	XXXXX - USED FOR SORTING TEXT RECORDS	116
MASTER RECORD	ALWAYS '2'	10
CAST NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	23
CRUISE IDENTIFICATION	TEN-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR	31
NUMBER OF SCANS	XXXXX - USED TO INDICATE NUMBER OF SCANS PER STATION (FIVE/RECORD)	41
DATE (GMT)	YYMMDD	46
TIME(GMT)	XXXX (HOURS AND MINUTES)	52
DEPTH INTERVAL INDICATOR	ONE-DIGIT CODE - USE CODE 0216	56
DEPTH INTERVAL	XXX - WHEN INDICATOR CODE=1 (EQUAL SPACED DEPTHS) - (METERS TO TENTHS)	57
BAROMETRIC PRESSURE	XXXXX (MILLIBARS TO TENTHS)	60
WET BULB TEMPERATURE	XXXX (DEG CENTIGRADE TO TENTHS)	65
DRY BULB TEMPERATURE	XXXX (DEG CENTIGRADE TO TENTHS)	69
WIND DIRECTION	XX - TWO-DIGIT CODE - WMO 885/887 - DIRECTION FROM - USE CODE 0110	73
WIND SPEED	XX (WHOLE KNOTS)	75
WEATHER	ONE-DIGIT CODE - WMO 4501 - USE CODE 0108	77
SEA STATE	ONE-DIGIT CODE - WMO 3700 - USE CODE 0106	78
VISIBILITY	ONE-DIGIT CODE - WMO 4300 - USE CODE 0157	79
CLOUD TYPE	ONE-DIGIT CODE - WMO 0500 - USE CODE 0053	80
CLOUD AMOUNT	ONE-DIGIT CODE - WMO 2700 - USE CODE 0105	81
INSTRUMENT INFORMATION	TWENTY-CHARACTER FIELD FOR TYPE OF INSTRUMENT, SERIAL NUMBER, ETC	82
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY THE ORIGINATOR	102
DEPTH TO BOTTOM	XXXXX (WHOLE METERS)	108
MAXIMUMDEPTH OF CAST	XXXX (WHOLE METERS)	113
BLANKS		117

DETAIL RECORD 1	ALWAYS '3'	10
CAST NUMBER	SEE RECORD '1'	11-15
DEPTH*	XXXXX (METERS TO TENTHS)	16-20
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS	21-25
SALINITY*	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	26
SIGMA-T*	XXXXX - TO HUNDREDTHS	31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USE FOR SORT OF DATA RECORDS	116

DETAIL RECORD 2	ALWAYS '4'	10
CAST NUMBER	SEE RECORD	11-15
DEPTH*	XXXXX METERS TO TENTHS	16-20
~~DISSOLVED OXYGEN~~*	XXXXX - ML/L TO THOUSANDTHS	21-25
TRANSMISSIVITY*	XXXXX PERCENT TO THOUSANDTHS	26-30
BLANKS*		31-34
SCAN CONDITION*	ONE CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 3	ALWAYS '5'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH*	XXXXX (METERS TO TENTHS)	16
TEMPERATURE*	XXXXX (DEG CENTIGRADE TO THOUSANDTHS)	21
CONDUCTIVITY*	XXXXX (MMHO/CM TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION*	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
*THESE FIELDS REPEATED 4 TIMES ON THIS RECORD STARTING IN COLS 36, 56,76 AND 96		
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
[4-771

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

BEAUD1 (file name)
Beaufort Sea drogue experiment #1
(Radio Direction Finder with "window-shade" drogues)

4. PLATFORM (NAMES)

Arctic Tern
Drogue
R. D.F.

5. PLATFORM TYPE(S) (E. G., SHIP, BUOY, ETC.)

Plane
"window- shade"
direction finder

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
8/18/79	8/22/79

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR_MONTH_

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I. E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

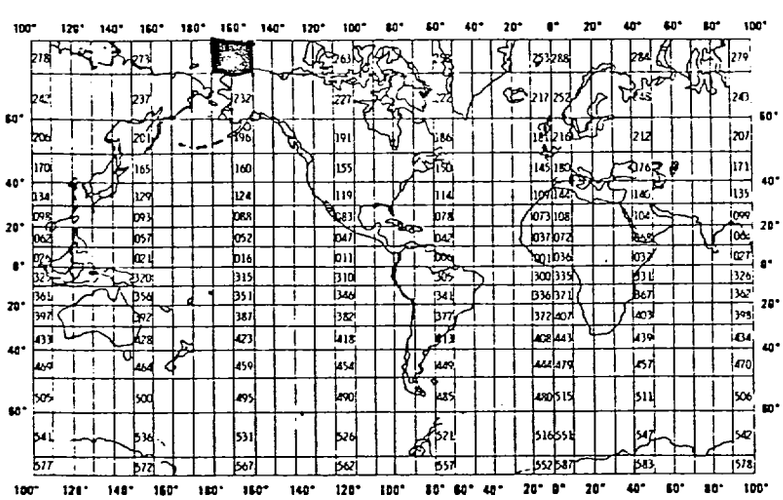
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE MARK EN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 056 - Lagrangian Current Measurements - 1/5/77 Version
Record types can be identified by code in column 10 of each record.
Header Record Type 1
Data Record 2 Type 4
File # 15 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.
note: missing values are represented by empty fields.
File # 15 on tape RU531.
one drogue experiment per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE

See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Peter M. Wilde (408) 462-6200
ADDRESS Kinnetic Laboratories, INc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☒ ASCII ☐ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown

O. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT, EO)

1. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE. VOLUME NUMBER)
NOM contract NA79RAC00086 Volume RU53
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet toad, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30/ 9
Data from Chukchi, Beaufort Seas

12. PHYSICAL BLOCK LENGTH IN BYTES
record length=88, blocksize=1760

13. LENGTH OF BYTES IN BITS
8 bits per byte

NOAA FORM 24-13

FILETYPE 056 LAGRANIAN CURRENT MEASUREMENTS - 1/5/77 VERSION

'NOTES ANO CORRECTIONS

THIS FORMAT IS DESIGNED TO SUPPORT STUDIES OF CONTAMINANT TRANSPORT IN OFFSHORE AND NEARSHORE BY DETERMINING CIRCULATION PATTERNS THROUGH DRIFTING BUOYS, DROGUES OR ANY DEVICE THAT CAN BE TRACKED BY SHORE-BASED OR SATELLITE OBSERVATIONS. ICC MOVEMENT AS WELL AS CURRENT PATTERNS CAN BE RECORDED USING THIS FORMAT, WHICH CAN RECORD MOVEMENT OVER PER1ODS OF DAYS, HOURS OR MINUTES.

THE FORMAT CONSISTS OF THREE RECORDS FOR REPORTING RECEIVING PLATFORM AND DROGUE INFORMATION, POSITIOIJ, DATE AND TIME OF EACH SIGHTING, INDICATION FOR SINGLE OR MULTIPLE SATELLITE ORBITS, ENVIRONMENTAL DATA SUCH AS WIND SPEED ANO SEA SURFACE TEMPERATURE, ATMOSPHERIC PRESSURE AND RELATIVE CURRENT SpEEO AND DIRECTIONS FO ONE OR TWO INSTRUMENTS SUSPENDED AT SPECIFIC DEPTHS BELOW THE DROGUE OR DRIFTING ICE.

ALL RECORDS IN THIS FORMAT ARE 87 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (DROGUE OR BUOY IDENTIFIER; AND SEQUENCE NUMBER TO OBTAIN THE PROpER SEQUENCE OF RECORDS.

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	SC
HEADER RECORD	ALWAYS '1'	10
PLATFORM NAME	12-CHARACTER FIELD FOR NAME OF SYSTEM ACQUIRING THE DATA	11
PLATFORM TYPE	12-CHARACTER FIELD FOR TYPE OF SYSTEM PLATFORM	23
PRINCIPAL INVESTIGATOR	12-CHARACTER FIELD FOR NAME OF PRINCIPAL INVESTIGATOR	35
START DATE (GMT)	YYMMDD	47
END DATE (GMT)	YYMMDD	53
PROGRAM NAME	12-CHARACTER FIELD FOR INDICATING PROGRAM NAME	59
DROGUE DEPTH	XXXXX(WHOLE METERS)	71
DROGUE TYPE	5-CHARACTER FIELD FOR INDICATING TYPE DROGUE - DETERMINED BY ORIGINATOR	76
BLANKS		81
DATA RECORD 1	ALWAYS '3'	10
BUOY IDENTIFIER	XXXX - IDENTIFICATION OF BUOYBEING ASSIGNEDBY/THE ORIGINATOR - ANALOGOUS TO STATION NUMBER ALSO INCLUDED ON RECORD 4	11
SEQUENCE NUMBER	Xxxx - USED FOR SORTING DATA RECORDS	15
OBSERVED LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	19
OBSERVED LONGITUDE	DDDMMSS PLUS HEMISPHERE 'E' OR 'W'	26
OBSERVATION DATE (GMT)	YYMMDD	34
OBSERVATION TIME (GMT)	XXXX(HOURS AND MINUTES)	40
SATELLITE PASS	ONE-CHARACTER CODE - USE CODE O198	44
LOAD CELL TENSION	XXXXX - TENSION OF SEA ANCHOR IN PSI (To TENTHS)	45
SEA SURFACE TEMPERATURE	XXXXX (DEG CENTIGRADE TO TENTHS)	50
WIND SPEED	XXXXX - Expressed, INSTATUTEMILES PER HOUR (TO TENTHS)	55
COMPASS BEARING OF SURFACE UNIT	XXXX - DEGREES TO TENTHS	60
DEPTH OF FIRSTINSTRUMENT	XXXX (WHOLE METERS)	64
CURRENT SPEED	XXxx (CM/SEC TO TENTHS)	68
CURRENT DIRECTION (RELATIVE TO SURFACE UNIT)	xxxx (DEGREES TO TENTHS) - DIRECTION TOWARD	72
DEPTH OF SECOND INSTRUMENT	XxxX (WHOLE METERS)	76
CURRENT SPEED AT SECOND INSTRUMENT	XXXX (CM/SEC TO TENTHS)	80
CURRENT DIRECTION (RELATIVE TO SURFACE UNIT)	XXXX (DEGREES TO TENTHS) - DIRECTION TOWARD	84

NOTES ANO CORRECTIONS

DATA RECORD 2	ALWAYS '4'	10
BUOY IDENTIFIER	XXXX - SEE RECORD '3'	11
SEQUENCE NUMBER	Xxxx - SEE RECORO '3'	15
OBSERVED LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	19
OBSERVED LONGITUDE	DDDMMSS PLUS HEMISPHERE 'E' OR 'W'	26
OBSERVATION DATE (GMT)	YYMMDD	34
OBSERVATION TIME (GMT)	XXXX (HOURS AND MINUTES)	40
SATELLITE PASS	ONE-CHARACTER CODE - USE COOE 0198	44
ATMOSPHERIC PRESSURE	XXXXXX (MILLIBARS TO HuNDREDTHS)	45
BLANKS		51

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary "reformation enabling the NODC and users to obtain the greatest benefit from your data.)

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A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, laboratory, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION. PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

BEAUD2 (file name)
Beaufort 'Sea drogue experiment #2
(Radio Direction Finder with
"window-shade" drogues)

4. PLATFORM NAME(S)

Arctic Tern
Drogue
R. D.F.

5. PLATFORM TYPE(S) *(E. G.. SHIP. BUOY. ETC.)*

Plane
"window-shade"
direction finder

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/Y
8/26/79	8/28/79

9. ARE DATA PROPRIETARY

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I. E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

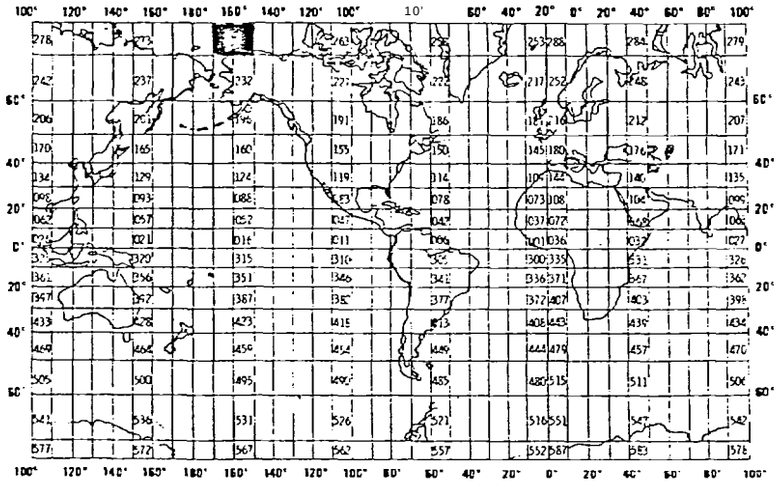
[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

D. PERSON TO WHOM INQUIRIES Concerning DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-J)*

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



NOAA FORM 24-13

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 056 - Lagrangian Current Measurements - 1/5/77 Version
Record types can be identified by code in column 10 of each record.
Header Record Type 1
Data Record 2 Type 4
File # 16 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.
note: missing values are represented by empty fields.
File # 16 on tape RU531.
one drogue experiment per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE
See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Peter M. Wilde (408) 462-6200
ADDRESS Kinnetic Laboratories, INc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☐ ASCII ☐ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
c 1 _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☐ Unknown

10. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT, EO)

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY Specifications OF DATA TYPE, VOLUME NUMBER)
NOAA contract NA79RAC00086 Volume RU 5:
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet toad, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30/' 9
Data from Chukchi, Beaufort Seas

12. PHYSICAL BLOCK LENGTH IN BYTES
record length=88, blocksize=1760

13. LENGTH OF BYTES IN BITS
8 bits per byte

FILE TYPE 056 LAGRANIAN CURRENT MEASUREMENTS - 1/5/77 VERSION

THIS FORMAT 1S DESIGNED TO SUPPORT STUDIES OF CONTAMINANT TRANSPORT IN OFFSHORE AND NEARSHORE BY DETERMINING CIRCULATION PATTERNS THROUGH DRIFTING BUOYS, DROGUES OR ANY DEvICE THAT CAN BE TRACKED BY SHORE-BASED OR SATELLITE OBSCRVATIONS. ICE MOVEMENT AS WELL AS CURRENT PATTERNS CAN BE RECORDED USING THIS FORMAT, WHICH CAN RECORD MOVEMENT OVER PERIODS OF DAYS, HOURS OR MINUTES.

THE FORMAT CONSISTS OF THREE RECORDS FOR REPORTING RECEIVING PLATFORM AND DROGUE INFORMATION, POSITION, OATE AND TIME OF EACH SIGHTING, INDICATION FOR SINGLE OR MULTIPLE SATELLITE ORBITS, ENVIRONMENTAL DATA SUCH AS WIND SPEED AND SEA SURFACE TEMPERATURE, ATMOSPHERIC PRESSURE ANO RELATIVE CURRENT SPEEO AND D1RECTIONS FOR ONE OR TWO INSTRUMENTS SUSPENDED AT SPECIFIC DEPTHS BELOW THE DROGUE OR DRIFTING ICE.

ALL RECORDS IN THIS FORMAT ARE 87 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (DROGUE OR BUOY IDENTIFIER) AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

'NOTES AND CORRECTIONS

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	SC
HEADER RECORD	ALWAYs '1'	10
PLATFORM NAME	12-CHARACTER FIELD FORNAME OF SYSTEM ACQUIRING THE DATA	11
PLATFORM TYPE	12-CHARACTER FIELD FOR TYPE OF SYSTEM PLATFORM	23
PRINCIPAL INVEST1GA1OR	12-CHARACTER FIELD FOR NAME OF PRINCIPAL INVESTIGATOR	35
START DATE (GMT)	YYMMDD	47
END DATE(GMT)	YYMMDD	53
PROGRAM NAME	12-CHARACTER FIELD FOR INDICATING PROGRAM NAME	59
DROGUE DEPTH	XXXXX (wHOLE METERS)	71
DROGUE TYPE	5-CHARACTER FIELD FOR INDICATINGTYPE DROGUE - DETERMINEDBY ORIGINATOR	76
BLANKS		81
DATA RECORD 1	ALwAYS '3'	10
BUOY, Identifier	XXXX - IDENTIFICATION GF BUOYBEING ASSIGNED BY THE ORIGINATOR ANALOGOUS TO STATION NUMBER ALSO INCLUDED ON RECORD 4	11
SEQUENCE NUMBER	XXXX - uSEO FOR SORTING DATA RECORDS	15
OBSERVED LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	19
OBSERVED LONGITUDE	DDDMMSS PLUS HEMISPHERE 'E' OR 'W	26
OBSERVATION DATE (GMT)	YYMMDD	34
OBSERVATION TIME (GMT)	XXX.% (HOURS ANO MINuTES)	40
SATELLITE PASS	ONE-CHARACTER CODE - USE CODE 0198	44
LOAD CELL TENSION	XXXXX - TENSION OF SEA ANCHOR IN PSI (TO TENTHS)	45
SEA SURFACE TEMPERATURE	XXXXX (DEG CENTIGRADE TO TENTHS)	50
wIND SPEEO	XXXXX - EXPRESSED INSTATUTE MILE; PER HOUR (TO TENTHS)	55
COMPASS BEARING OF SURFACE UNIT	Xxxx - DEGREES TO TENTHS	60
DEPTH OF FIRST INSTRUMENT	XXXX (WHOLE METERS)	64
CURRENT SPEED	XXXX (CM/SEC TO TENTHS)	68
CURRENT DIREcTION (RELATIvE TO SURFACE UNIT)	XXXX (DEGREES TO TENTHS) - DIRECTION TOWARD	72
DEPTH OF SECOND INSTRUMENT	xx%x (WHOLE METERS)	76
CURRENT SPEED AT SECOND INSTRUMENT	XXXX (CM/SEC TO TENTHSJ	r30
CURRENT DIRECTION (RELATIvE TO SURFACE UNIT)	XXXX (DEGREES TO TENTHS) - DIRECTION TOWARD	84

NOTES AND CORRECTIONS

DATA RECORD 2	ALWAYS '4'	10
BUOY IDENTIFIER	XXXX - SEE RECORD '3'	11
SEQUENCE NUMBER	XXXX - SEE RECORD '3'	15
OBSERVED LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	19
OBSERVED LONGITUDE	DDDMMSS PLUS HEMISPHERE 'E' OR 'w'	26
OBSERVATION DATE (GMT)	YYMMDD	34
OBSERVATION TIME (GMT)	XXXX (HOURS ANO MINUTES)	40
SATELLITE PASS	ONE-CHARACTER CODE - USE CODE 019B	44
ATMOSPHERIC PRESSURE	XXXXXX (MILLIBARS TO HuNDREDTHS)	45
BLANKS		51

AC CESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
[4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M. B. No. 41-R2651
EXPIRES 1-81

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This form should accompany all data submissions to NODC. Section A, Originator **Identification,** must be **completed** when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or **manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.**

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOM contract NA79RAC00086
Research UNit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

BEAUD3 (file name)
Beaufort Sea drogue experiment #3
(Radio Direction Finder with "window- shade" drogues)

4. PLATFORM NAME(S)

Arctic Tern
Drogue
R. D.F.

5. PLATFORM TYPE(S) (E. G., SHIP, BUOY, ETC.)

Plane
"window-shade"
dirction finder

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
8/30/79	9/3/79

8. ARE DATA PROPRIETARY

[X] NO [ ] YES

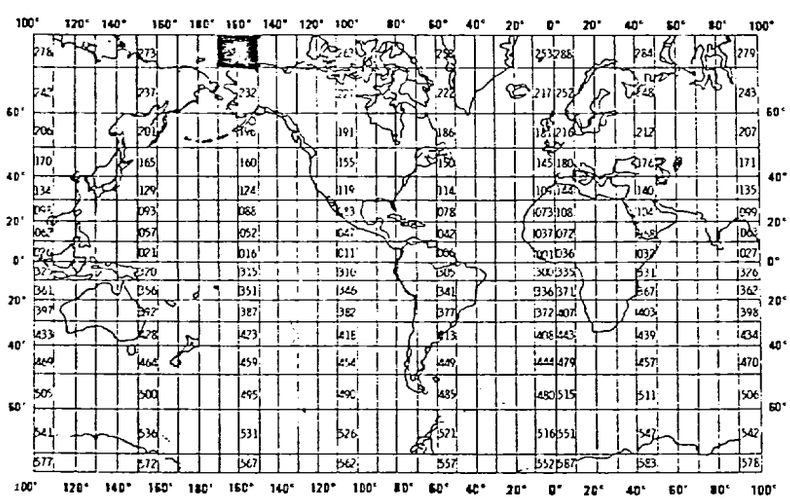
IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I. E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

10. PLEASE MARK ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



11. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR 'DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 056 - Lagrangian Current Measurements - 1/5/77 Versior
Record types can be identified by code in column 10 of each record.
Header Record Type 1
Data Record 2 Type 4
File # 17 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.
note: missing values are represented by empty fields.
File # 17 on tape RU531.
one drogue experiment per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
See appended format. ☐ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Peter M. Wilde (408) 462-6200
ADDRESS Kinnetic Laboratories, INc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

A. RECORDING MODE
☐ BCD ☐ BINARY
☒ ASCII ☐ EBCDIC
☐ _____

B. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

C. PARITY
☒ ODD
☐ EVEN

D. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown

D. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT,EO)

1. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAMEAND sOME LAY Specifications OF DATA TYPE, VOLUME NUMBER)*
NOAA contract NA79RAC00086 Volume RU5:
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet toad, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30/ 9
Data from Chukchi, Beaufort Seas

2. PHYSICAL BLOCK LENGTH IN BYTES
record length=88, blocksize=1760

3. LENGTH OF BYTES IN BITS
8 bits per byte

NOAA FORM 24-13

FILE TYPE 056 LAGRANIAN CURRENT MEASUREMENTS - 1/5/77 VERSION

'NOTES AND CORRECTIONS

THIS FORMAT IS DESIGNED TO SUPPORT STUDIES OF CONTAMINANT TRANSPORT IN OFFSHORE AND NEARSHORE BY DETERMINING CIRCULATION PATTERNS THROUGH DRIFTING BUOYS, DROGUES OR ANY DEVICE THAT CAN BE TRACKED BY SHORE-BASED OR SATELLITE OBSERVATIONS. ICE MOVEMENT AS WELL AS CURRENT PATTERNS CAN BE RECORDED USING THIS FORMAT, WHICH CAN RECORD MOVEMENT OVER PERIODS OF DAYS, HOURS OR MINUTES.

THE FORMAT CONSISTS OF THREE RECORDS FOR REPORTING RECEIVING PLATFORM AND DROGUE INFORMATION, POSITION, DATE AND TIME OF EACH SIGHTING, INDICATION FOR SINGLE OR MULTIPLE SATELLITE ORBITS, ENVIRONMENTAL DATA SUCH AS WINDSPEED AND SEA SURFACE TEMPERATURE, ATMOSPHERIC PRESSURE AND RELATIVE CURRENT SPEED AND DIRECTIONS FOR ONE OR TWO INSTRUMENTS SUSPENDED AT SPECIFIC DEPTHS BELOW THE DROGUE OR DRIFTING ICE,

ALL RECORDS IN THIS FORMAT ARE 87 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (DROGUE OR BUOY IDENTIFIER) AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

056/PG

NOTES CORRECTIONS

PARAMETER	DESCRIPTION	SC
HEADER RECORD	ALWAYS '1'	10
PLATFORM NAME	12-CHARACTER FIELD FOR NAME OF SYSTEM ACQUIRING THE DATA	11
PLATFORM TYPE	12-CHARACTER FIELD FOR TYPE OF SYSTEM PLATFORM	23
PRINCIPAL INVESTIGATOR	2-CHARACTER FIELD FOR NAME OF PRINCIPAL INVESTIGATOR	35
START DATE (GMT	YYMMDD	47
END DATE (GMT	YYMMDD	53
PROGRAM NAME	2-CHARACTER FIELD FOR IDENTIFYING PROGRAM NAME	59
DROGUE DEPTH	XXXXX (WHOLE METERS)	71
DROGUE TYPE	5-CHARACTER FIELD FOR INDICATING TYPE DROGUE - DETERMINED BY ORIGINATOR	76
BLANKS		81
DATA RECORD 1	ALWAYS '3'	10
BUOY IDENTIFIER	XXXX - DESIGNATION OF BUOY BEING ASSIGNED BY THE ORIGINATOR - ANALOGOUS TO STATION NUMBER - ALSO INCLUDED ON RECORD 4	11
SEQUENCE NUMBER	XXXX - USED FOR SORTING DATA RECORDS	15
OBSERVED LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	19
OBSERVED LONGITUDE	DDDMMSS PLUS HEMISPHERE 'E' OR 'W'	26
OBSERVATION DATE (GMT	YYMMDD	34
OBSERVATION TIME (GMT	XXXX (HOURS AND MINUTES)	40
SATELLITE PASS	ONE-CHARACTER CODE - USE CODE 0198	44
LOAD CELL TENSION	XXXXX - TENSION OF SEA ANCHOR IN PSI (TO TENTHS	45
SEA SURFACE TEMPERATURE	XXXXX DEG CENTIGRADE TO TENTHS)	50
WIND SPEED	XXXXX - EXPRESSED IN STATUTE MILES PER HOUR TO TENTHS)	55
COMPASS BEARING SURFACE UNIT	XXXX - DEGREES TO TENTHS	60
DEPTH OF FIRST INSTRUMENT	XXXX (WHOLE METERS)	64
CURRENT SPEED	XXXX (CM/SEC TO TENTHS)	68
CURRENT DIRECTION (RELATIVE TO SURFACE UNIT)	XXXX (DEGREES TO TENTHS - DIRECTION TOWARD	72
DEPTH OF SECOND INSTRUMENT	XXXX (WHOLE METERS	76
CURRENT SPEED AT SECOND INSTRUMENT	XXXX (CM/SEC TO TENTHS	80
CURRENT DIRECTION (RELATIVE TO SURFACE UNIT)	XXXX (DEGREES TO TENTHS) - DIRECTION TOWARD	84

NOTES ANO CORRECTIONS

DATA RECORD 2	ALWAYS '4'	10
B UoY IDENTIFIER	XXXX - SEE RECORD '3'	11
SEQUENCE NUMBER	Xxxx - SEE RECORD '3'	15
OBSERVED LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	19
OBSERVED LONGITUDE	DDDMMSS PLUS HEMISPHERE 'E' OR 'W'	26
OBSERVATION DATE (GMT)	YYMMDD	34
OBSERVATION TIME (GMT)	xxxx (HOURS AND MINUTES)	40
SATELLITE PASS	ONE-CHARACTER CODE - USE CODE 0198	44
ATMOSPHERIC PRESSURE	XXXXXX (MILLIBARS TO HUNDREDTHS)	45
BLANKS		51

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
14-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20236

FORM APPROVED
O.M. B. No. 41-R2651
EXPIRES 1-81

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A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

PRDDRG (file name)
Prudhoe Bay drogue experiment
(Motorola Miniranger III with "window-shade" drogues)

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) *(E.G., SHIP, BUOY, ETC.)*	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
Arctic Queen drogue Miniranger III	Boat window-shade micro-wave range-range finder	USA	USA	8/25/79	8/25/79

8. ARE DATA PROPRIETARY?

[ ] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (ONP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

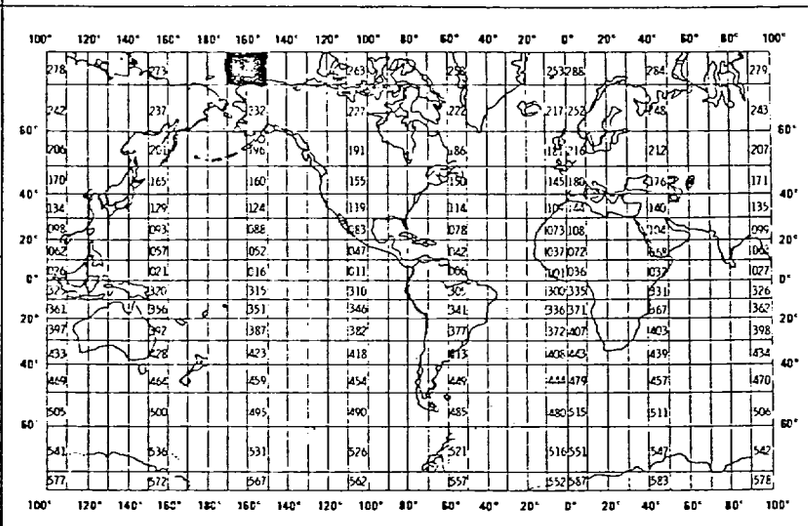
[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



OAA FORM 24-13

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 056 - Lagrangian Current Measurements - 1/5/77 Version
Record types can be identified by code in column 10 of each record.

Header Record Type 1
Data Record 2 Type 4

File#18 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.
note : missing values are represented by empty fields.
File # 18 on tape RU531.
one drogue experiment per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE

See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Peter M. Wilde (408) 462-6200
ADDRESS Kinnetic Laboratories, INc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☒ ASCII ☐ EBCDIC
c 1 _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown

10. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT, EO)

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY Specifications OF DATA TYPE, VOLUME NUMBER)
NOAA contract NA79RAC00086 Volume RU5:
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet toad, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30/ 9
Data from Chukchi, Beaufort Seas

12. PHYSICAL BLOCK LENGTH IN BYTES
record length=88, blocksize=1760

13. LENGTH OF BYTES IN BITS
8 bits per byte

NOAA FORM 24-13

FILE TYPE 056 LAGRANIAN CURRENT MEASUREMENTS - 1/5/77 VERSION

'NOTES ANO CORRECTIONS

THIS FORMAT IS DESIGNED TO SUPPORT STUDIES OF CONTAMINANT TRANSPORT IN OFFSHORE AND NEARSHORE BY DETERMINING CIRCULATION PATTERNS THROUGH DRIFTING BUOYS, DROGUES OR ANY DEVICE THAT CAN BE TRACKED BY SHORE-BASED OR SATELLITE OBSERVATIONS. ICE MOVEMENT AS WELL AS CURRENT PATTERNS CAN BE RECDRDED USING THIS FORMAT, WHICH CAN RECORD MOVEMENT OVER PER1ODS OF DAYS, HOURS OR MINUTES.

THE FORMAT CONSISTS OF THREE RECORDS FOR REPORTING RECEIVING PLATFORM AND DROGUE INFORMATION, POSITION, DATE AND TIME OF EACH SIGHTING, INDICATION FOR SINGLE OR MULTIPLE SATELLITE ORBITS, ENVIRONMENTAL DATA SUCH AS WIND SPEED AND SEA SURFACE TEMPERATURE, ATMOSPHERIC PRESSURE ANO RELATIVE CURRENT SPEEO AND D1RECTIONS FOR ONE OR TWO INSTRUMENTS SUSPENDED AT SPECIFIC DEPTHS BELOW THE DROGUE OR DRIFTING ICE,

ALL RECORDS IN THIS FORMAT ARE 87 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (DROGUE OR BUOY IDENTIFIER) AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS,

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	Sc
HEADER RECORD	ALWAYS '1'	10
PLATFORM NAME	12-CHARACTER FIELD FORNAME OF SYSTEM ACQUIRING THE DATA	11
PLATFORM TYPE	12-CHARACTER FIELD FOR TYPE OF SYSTEM PLATFORM	23
PRINCIPAL INVESTIGATOR	12-CHARACTER FIELD FOR NAME OF PRINCIPAL INVESTIGATOR	35
START DATE(GMT)	YYMMDD	47
END DATE (GMT)	YYMMDD	53
PROGRAM NAME	12-CHARACTER FIELD FOR INDICATING PROGRAM NAME	59
DROGUE DEPTH	XXXXX (wHOLE METERS)	71
DROGUE TYPE	5-CHARACTER FIELO FOR INDICATINGTYPE DROGUE - DETERMINED BY ORIGINATOR	76
BLANKS		81
DATA RECORD 1	ALWAYS '3'	10
BUOY, IDENTIFIER	XXXX - IDENTIFICATION OF 'BUOY BEING ASSIGNEDBY 'THE ORIGINATOR - ANALOGOUS TO STATION NUMBER - ALSO INCLUDEDON RECORD 4	11
SEQUENCE NUMBER	XXXX - USED FOR SORTING OATA RECORDS	15
OBSERVED LATITUDE	DDMMSS PLUs HEMISPHERE 'N' OR 'S'	19
OBSERVED LONGITUDE	DDDMMSS PLUS HEMISPHERE 'E' OR 'W'	26
OBSERVATION OATE (GMT)	YYMMDD	34
OBSERVATION TIME (GMT)	XXXX (HOURS AND MINUTES)	40
SATELLITE PASS	ONE-CHARACTER CODE - USE CODE 0198	44
LOAD CELL TENSION	Xxxxx - TENSION OF SEA ANCHOR IN PSI (TO TENTHS)	45
SEA SURFACE TEMPERATURE	XXXXX (DEG CENTIGRADE TO TENTHS)	50
WIND SPEED	XXXXX - EXPRESSED IN STATUTEMILES PER HOUR (TO TENTHS)	55
COMPASS BEARING OF SURFACE UNIT	Xxxx - OEGREES TO TENTHS	60
OEPTH OF FIRST INSTRUMENT	XXXX (WHOLE METERS)	64
CURRENT SPEED	XXXX (CM/SEC TO TENTHS)	68
CURRENT DIRECTION (RELATIVE TO SURFACE UNIT)	XXXX (DEGREES TO TENTHS) - DIRECTION TOWARD	72
DEPTH OF SECOND INSTRUMENT	XXXX (WHOLE METERS)	76
CURRENT SPEED AT SECONO INSTRUMENT	XXXX (CM/SEC TO TENTHS)	80
CURRENT DIRECTION (RELATIVE TO SURFACE UNIT)	XXXX (DEGREES TO TENTHS) - DIRECTION TOWARD	84

NOTES AND CORRECTIONS

DATA RECORD 2	ALWAYS '4'	10
BUOY IDENTIFIER	XXXX - SEE RECORD '3'	11
SEQUENCE NUMBER	Xxxx - SEE RECORD '3'	15
OBSERVED LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 's'	19
OBSERVED LONGITUDE	DDDMMSSPLUS HEMISPHERE 'E' OR'W'	26
OBSERVATION DATE (GMT)	YYMMDD	34
OBSERVATION TIME (GMT)	XXXX (HOURS ANO MINUTES)	40
SATELLITE PASS	ONE-CHARACTER CODE - USE CODE 0198	44
ATMOSPHERIC PRESSURE	XXXXXX (MILLIBARS TO HuNDREDTHS)	45
BLANKS		51

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M. B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the *required* ancillary "reformation enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. **Section A, Originator Identification, must be completed** when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching **reports, publications, or manuscripts** which are readily available **describing data collection, analysis, and format specifics. Readable,** handwritten **submissions** are acceptable in all cases. AH data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATEI

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz, California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY OATA IN THIS SHIPMENT

HARDRG (file name)
Harrison Bay drogue experiment
(Motorola Miniranger III with "window-shade" drogues)

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) *(E. G.. SHIP. BUOY. ETC.)*	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/Y
D.W. Hood drogue Miniranger III	Ship window-shade micro-wave range-ran ;e finder	USA	USA	8/20/80	8/20/80

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH

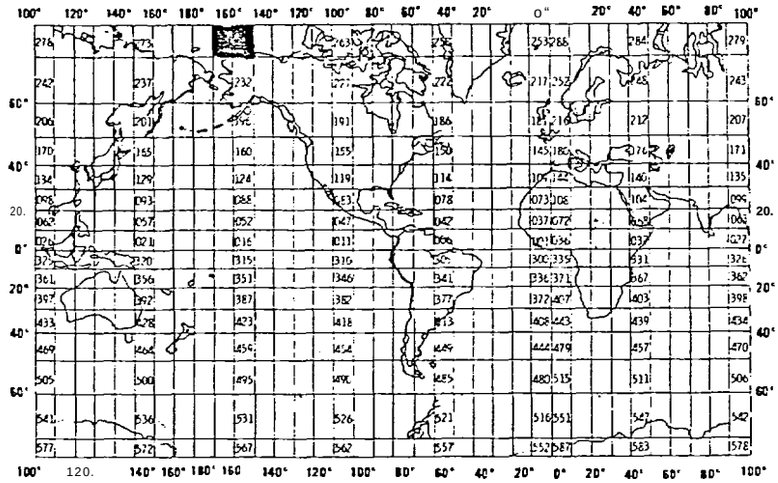
11. PLEA DARKEN ALL MA RSDEN SQUARES IN WHICH ANY OATA CO NT AINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I. E.. SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*



O. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

NOAA FOR M 24-13

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC File Type 056 - Lagrangian Current Measurements - 1/5/77 Versio
Record types can be identified by code in column 10 of each record.
Header Record Type 1
Data Record 2 Type 4
File # 19 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.
note: missing values are represented by empty fields.
File # 19 on tape RU531.
one drogue experiment per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
See appended format. ☐ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Peter M. Wilde (408) 462-6200
ADDRESS Kinnetic Laboratories, INc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☐ ASCII ☐ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☒ Unknown

10. END OF FILE MARK
☐ OCTAL 17
☐ Octal 4 (EOT,EOF)

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE. VOLUME NUMBER)*
NOAA contract NA79RAC00086 Volume RU5
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet toad, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30/79
Data from Chukchi, Beaufort Seas

12. PHYSICAL BLOCK LENGTH IN BYTES
record length=88, blocksize=1760

13. LENGTH OF BYTES IN BITS
8 bits per byte

NOAA FORM 24-13

FILE TYPE 056 LAGRANIAN CURRENT MEASUREMENTS - 1/5/77 VERSION

'NOTES ANO CORRECTIONS

THIS FORMAT IS DESIGNED TO SUPPORT STUDIES OF CONTAMINANTTRANSPORT IN OFFSHORE AND NEARSHORE BYDETERMININGCIRCULATIONPATTERNSTHROUGH DRIFTING BUOYS, DROGUES OR ANY DEVICE THAT CAN BE TRAcKED BY SHORE-BASED OR SATELLITE OBSERVATIONS. ICE MOVEVENT AS WELL AS CURRENT PATTERNS CAN BE RECORDED USING THIS FORMAT, WHICH CAN REcORD MOVEMENT OVER PER1OOS OF DAYS,HOURS OR MINUTES.

THE FORMAT CONSISTS OF THREE RECORDSFORREPORTING RECEIVING PLATFORM ANO DROGUEINFORMATION, POSITION,DATEAND TIME OF EACH SIGHTING, INDICATION FOR SINGLEOR'MULTIPLE SATELLITE ORBITS, ENVIRONMENTAL DATA SUCH ASWIND SPEED AND SEA SURFACE TEMPERATURE, ATMOSPHERIC PRESSURE ANO RELATIVE CURRENT SPEED AND DIRECTIONS FOR ONE OR TWO INSTRUMENTS SUSPENDED AT SPECIFIC DEPTHS BELOW THE DROGUEOR DRIFTING ICE.

ALL RECORDS IN THIS FORMAT ARE 87 COLUMNS IN LENGTH. THIS FILEIS SORTED BY STATION NUMBER (DROGUE OR BUOY IDENTIFIERI AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

NOTES AND CORRECTIONS

PARAMETER	DESCRIPTION	SC
HEADER RECORD	ALWAYS '1'	10
PLATFORM NAME	12-CHARACTER FIELD FuR NAME OF SYSTEM ACQUIRING THE DATA	11
PLATFORM TYPE	12-CHARACTER FIELD FOR TYPE OF SYSTEM PLATFORM	23
PRINCIPAL INVESTIGATOR	12-CHARACTER FIELD FOR NAME OF PRINCIPAL INvESTIGATOR	35
STARTDATE (GMT)	YYMMDD	47
END DATE (GMT)	YYMMDD	53
PROGRAM NAME	12-CHARACTER FIELD FOR INDICATING PROGRAM NAME	59
DROGUE DEPTH	XXXXX (wHOLE METERS)	71
DROGUE TYPE	5-CHARAcTER FIELD FOR INDICATINGTYPE DROGUE - DETERMINED BY ORIGINATOR	76
BLANKS		81
DATA RECORD 1	ALWAYS '3'	10
BUOY, IDENTIFIER	XXXX - IDENTIFICATION GF BUOYBEING ASSIGNED BY THE ORIGINATOR - ANALOGOUS TO STATION NUMBER - ALSO INCLUDEDIN RECORD 4	11
SEQUENCE NUMBER	Xxxx - uSEo FOR SORTING DATA RECORDS	15
OBSERVED LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	19
OBSERVED LONGITUDE	DDDMMSS PLUs HEMISPHERE 'E' OR 'W'	26
OBSERVATION DATE (GMT)	YYMMDD	34
OBSERVATION TIME (GMT)	XXXX (HouRs AND MINuTES)	40
SATELLITE PASS	ONE-CHARACTER CODE - USE CODE 0198	44
LOAD CELL TENSION	XXXXX - TENSION OF SEA ANCHOR IN PSI (TO TENTHS)	45
SEA SURFACE TEMPERATURE	XXXXX (DEG CENTIGRADE TO TENTHS)	50
WIND SPEEO	XXXXX - ExPRESSED IN STATUTE MILE; PER HOUR (TO TENTHS)	55
COMPASS BEARING OF SURFACE UNIT	Xxxx - DEGREES TO TENTHS	60
DEPTH OFFIRST INSTRUMENT	XXXX (WHOLE METERS)	64
CURRENT SPEED	Xxxx (CM/SEC TO TENTHS)	68
CURRENT DIRECTION (RELATIvE TO SURFACE UNIT)	XXXX (DEGREES TO TENTHS) - DIRECTION TOWARD	72
DEPTH OF SECONO INSTRUMENT	XXXX(WHOLE METERS)	76
CURRENT SPEEO AT SECOND INSTRUMENT	XXXX (CM/SEC TO TENTHS)	80
CURRENT DIRECTION (RELATIvE TO SURFACE UNIT)	XXXX (DEGREES TO TENTHS) - DIRECTION TOWARD	84

NOTES ANO CORRECTIONS

DATA RECORD 2	ALWAYS '4'	10
BUOY IDENTIFIER	XXXX - SEE RECORD '3'	11
SEQUENCE NUMBER	XXXX - SEE RECORD '3'	15
OBSERVED LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	19
OBSERVED LONGITUDE	DDDMMSSPLUS HEMISPHERE 'E' OR 'W'	26
OBSERVATION DATE (GMT)	YYMMDD	34
OBSERVATION TIME(GMT)	XXX% (HOURS ANO MINUTES)	40
SATELLITE PASS	ONE-CHARACTER CODE - USE CODE 0198	44
ATMOSPHERIC PRESSURE	XXXXXX (MILLIBARS TO HuNDREDTHS)	45
BLANKS		51

ACCESSION NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

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A. ORIGINATOR IDENTIFICATION

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Kinnetic Laboratories Incorporated
3050 Paul Sweet Road
Santa Cruz , California, USA 95065

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NOAA contract NA79RAC00086
Research Unit 531
Outer Continental Shelf
Environmental Assessment Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

WNTDRG (file name)
Wainwright drogue experiment
(Motorola Miniranger III with "window-shade" drogues)

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) *(E.G., SHIP, BUOY, ETC.)*	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
D.W. Hood drogue Miniranger III	Ship window-shade micro-wave range-range finder	USA	USA	8/20/81	8/20/81

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

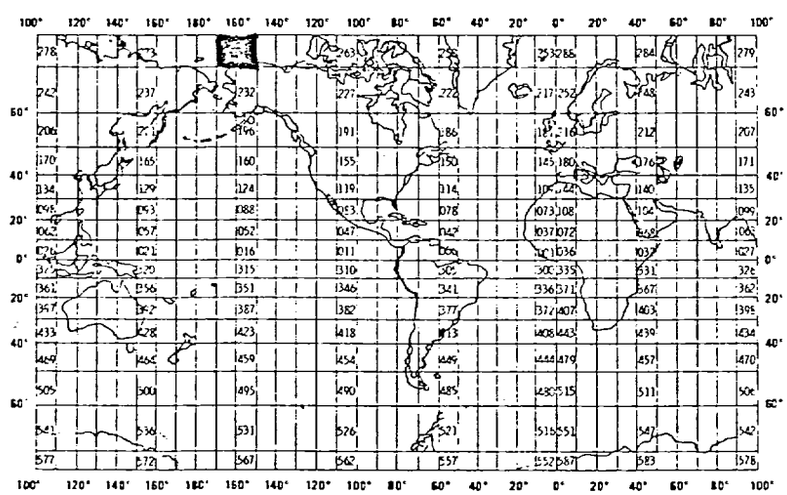
[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

Peter M. Wilde
Computer Services, KLI
(408) 462-6200

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



NOAA FORM 24-13

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF 10 EN TIFYING EACH RECORD TYPE

NODC File Type 056 - Lagrangian Current Measurements - 1/5/77 Version
Record types can be identified by code in column 10 of each record.
Header Record Type 1
Data Record 2 Type 4
File # 20 on tape RU531

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See appended description.
note: missing values are represented by empty fields.
File # 20 on tape RU531.
one drogue experiment per file.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☐ FORTRAN ☐ _____ LANGUAGE
See appended format.

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Peter M. Wilde (408) 462-6200
ADDRESS Kinnetic Laboratories, INc. 3050 Paul Sweet Rd.
Santa Cruz, California, USA 95065

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☐ ASCII ☐ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
1

7. PARITY
☒ ODO
☐ EVEN

8. DENSITY
☐ 200 BPI ☐ 1600 BPI
☐ 556 BPI
☒ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☐ Unknown

D. END OF FILE MARK
☐ OCTAL 17
☒ Octal 4 (EOT,EOF)

1. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAYSPEC1FICATIONS OF DATA TYPE, VOLUME NUMBER)
NOAA contract NA79RAC00086 Volume RU53
Research Unit 531 (NOAA/OCSEAP)
Kinnetic Laboratories, Inc.
3050 Paul Sweet toad, Santa Cruz
California, USA 95065
NODC file types 015,022,056 3/30/ 9
Data from Chukchi, Beaufort Seas

2. PHYSICAL BLOCK LENGTH IN BYTES
record length=88, blocksize=1760

3. LENGTH OF BYTES IN BITS
8 bits per byte

NOAA FORM 24-13

FILE TYPE 056 - LAGRANIAN CURRENT MEASUREMENTS - 1/5/77 VERSION

'NOTES AND CORRECTIONS

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ALL RECORDS IN THIS FORMAT ARE 87 COLUMNS IN LENGTH, THIS FILE IS SORTED BY STCATION NUMBER (DROGUE OR BUOY Identifier AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

PARAMETER	DESCRIPTION	SC
HEADER RECORD	ALWAYS '1'	10
PLATFORM NAME	12-CHARACTER FIELDFORNAME OF SYSTEM ACQUIRING THE OATA	11
PLATFORM TYPE	12-CHARACTER FIELDFOR TYPE OF SYSTEM PLATFORM	23
PRINCIPAL INVESTIGATOR	12-CHARACTER FIELD FOR NAME OF PRINCIPAL INVESTIGATOR	35
START DATE(GMT)	YYMMOD	47
END DATE (GMT)	Y YML100	53
PROGRAM NAME	12-CHARACTERFIELD FOR INDICATING PROGRAM NAME	59
DROGUE DEPTH	XXXXX (WHOLE METERS)	71
DROGUE TYPE	5-CHARACTER FIELD FOR INDICATINGTYPE DROGUE - DETERMINED BY Originator	76
BLANKS		81
DATA RECORO 1	ALWAYS '3'	10
BUOY IDENTIFIER	XXXX - IDENTIFICATION OF 'BUOY BEING ASSIGNEDBY THE ORIGINATOR - ANALOGOUS TO STATION NUMBER - ALSO INCLUDEDON RECORD 4	11
SEQUENCE NUMBER	XXXX - USEO FOR SORTING OATA RECORDS	15
OBSERVED LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	19
OBSERVED LONGITUDE	DDDMMSS PLUS HEMISPHERE 'E' OR 'W'	26
OBSERVATION DATE (GMT)	YYMMOD	34
OBSERVATION TIME(GMT)	XXXX(HOURSAND MINUTES)	40
SATELLITE PASS	ONE-CHARACTER CODE - USE CODE 0 1 9 8	44
LOAD CELL TENSION	XXXXX - TENSION OF SEA ANCHOR IN PSI (TO TENTHS)	45
SEA SURFACE TEMPERATURE	XXXXX (DEG CENTIGRADE TO TENTHS)	50
WIND SPEED	XXXXX - EXPRESSED IN STATUTE MILES PER HOUR (TO TENTHS)	55
COMPASS BEARING OF SURFACE UNIT	Xxxx - OEGREES TO TENTHS	60
DEPTH OF FIRST INSTRUMENT	XXXX (WHOLE METERS)	64
CURRENT SPEED	XXXX (CM/SEC TO TENTHS)	68
CURRENT DIRECTION (RELATIVE TO SURFACE UNIT)	XXXX (DEGREES TO TENTHS) - DIRECTION TOWARD	72
DEPTH OF SECOND INSTRUMENT	XXXX (WHOLE METERS)	76
CURRENT SPEED AT SECOND INSTRUMENT	XXXX(CM/SEC "TO TENTHSI	80
CURRENT DIRECTION (RELATIVE TO SURFACE UNIT)	XXXX (DEGREES TO TENTHS) - DIRECTION TOWARD	04

NOTES AND CORRECTIONS

NOTES AND CORRECTIONS

DATA	RECORD 2	ALWAYS '4'	10
	BUOY IDENTIFIER	XXXX - SEE RECORD '3'	11
	SEQUENCE NUMBER	XXXX - SEE RECORD '3'	15
	OBSERVED LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	19
	OBSERVED LONGITUDE	DDDMMSS PLUS HEMISPHERE 'E' OR 'W'	26
	OBSERVATION DATE (GMT)	YYMMDD	34
	OBSERVATION TIME (GMT)	XXXX (HOURS AND MINUTES)	40
	SATELLITE PASS	ONE-CHARACTER CODE - USE CODE 0198	44
	ATMOSPHERIC PRESSURE	XXxxxX (MILLIBARS TO HuNDREDTHS)	45
	BLANKS		51