		ACCESSION NUMBER	8100438

TT5089
F022

DDF A:3:16

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

319633

(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.) C022

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

NAT. MARINE FISHERIES SERVICE
P.O. BOX 271
LA JOLLA, CA. 92038

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

ALBACORE OCEANOGRAPHY

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

JORDAN CRUISE 79 STD

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
R/V DAVID STARR JORDAN	SHIP	U.S.	U.S.	5/30/73	7/6/73

8. ARE DATA PROPRIETARY?

☑ 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?)

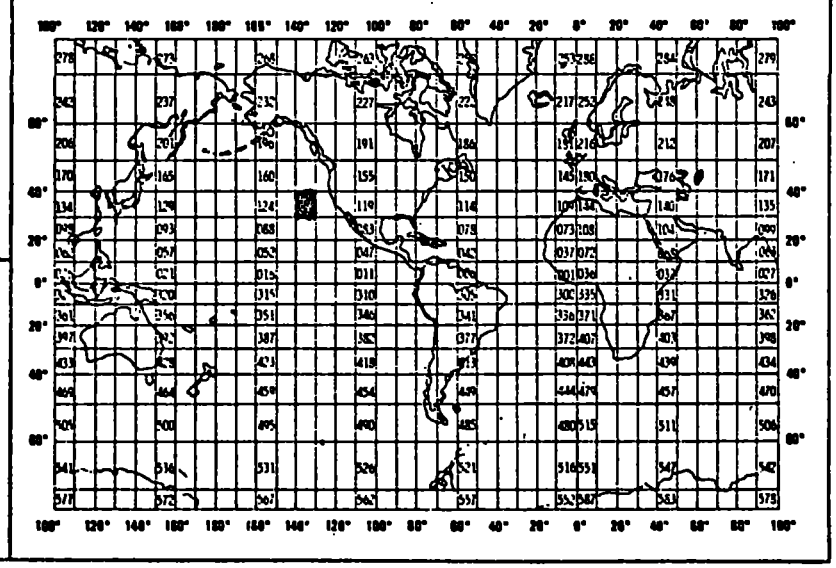
☐ NO ☑ YES ☐ PART *(SPECIFY BELOW)*

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

KEN BLISS
NMFS
(714) 453-2820

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

GENERAL AREA



B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
DEPTH	meters	STD PLESSEY Model 9006	N/A	SEE ATTACHMENT
TEMPERATURE	°C	"	"	"
SALINITY	‰	"	"	"

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

UNLABELED TAPE.
132 FILES, EACH FILE IS AN STD CAST.
TWO END-OF-FILE MARKS FOLLOWING LAST CAST.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

FIRST RECORD — HEADER INFORMATION
SECOND RECORD ↓ LAST RECORD > DEPTH, TEMP., SAL. AT 1METER INTERVALS.

VARIABLE NUMBER OF RECORDS / FILE.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER KEN BLISS (714) 453-2820
ADDRESS P.O. BOX 271 LA JOLLA, CA. 92038

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 ☐ _____

10. END OF FILE MARK: ☐ OCTAL 17 ☐ _____

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

NATIONAL MARINE FISHERIES
CRUISE 79 STD
JORDAN 1973

12. PHYSICAL BLOCK LENGTH IN BYTES: 4680

13. LENGTH OF BYTES IN BITS: 8 6 Bytes / WORD

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN WORDS (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
CRUISE	1	2	CHAR.	I2	HEADER INFORMATION
STATION	2	3	"	I3	
MONTH	3	2	"	I2	
DAY	4	2	"	I2	
YEAR	5	2	"	I2	
TIME	6	4	"	I4	
LATITUDE	7	6	"	I6	DEG., MIN., tenths of MIN.
LONGITUDE	8	6	"	I6	
NO. LEVELS	9	4	"	I4	
DEPTH	10	4	"	I4	FIELD REPEATED NO. LEVELS TIMES.
TEMP.	11	4	"	I4	
SAL.	12	5	"	I5	60 FIELDS / RECORD

TEMP. AND SAL. HAVE AN IMPLIED DECIMAL 2 AND 3 PLACES RESPECTIVELY TO THE LEFT OF THE LEAST SIGNIFICANT DIGIT.

NOAA FORM 24-13

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)
PLESSEY 9006	1973		PLESSEY ENVIRONMENTAL SYSTEMS.				✓		

NOAA FORM 24-13

ACCESSION NUMBER 8100438

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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ALBACORE OCEANOGRAPHY

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

JORDAN CRUISE 86 STD

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
R/V DAVID STARR JORDAN	SHIP	U.S.	U.S.	5/28/74	7/6/74

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?)

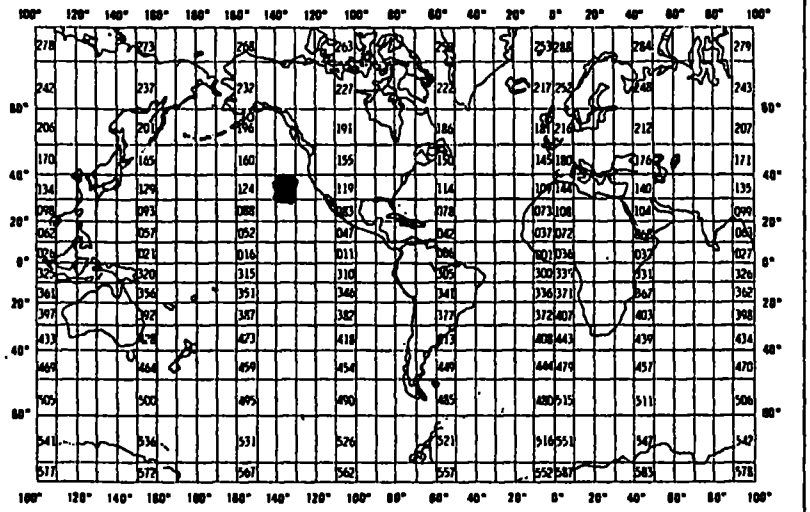
[ ] NO [X] YES [ ] PART *(SPECIFY BELOW)*

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

KEN BLISS
NMFS
(714) 453-2820

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

GENERAL AREA



NOAA FORM 24-13

Reversing thermometers were calibrated and maintained by Scripps Institution of Oceanography. The differences between the Nansen/Niskin and DDL for each data set was plotted and a quadratic equation computed to determine the best fit line through the points.

For stations recorded on the DDL:

Temp. needed no correction

$S' = S-(.036-2*10^{-5}Z+4*10^{-8}Z^2)$

where Z = depth.

For stations digitized from analog traces:

$T' = T+0.05°C$ 0-1000 meters

$S' = S-0.025°/_{oo}$ 0-500 meters
$S' = S-0.045°/_{oo}$ 501-1000 meters

No tests were made for a possible offset in the depth channel. No record was maintained of depth channel frequency count at the sea surface.

Questions on these data may be directed to Ronald Lynn or Ken bliss, Southwest Fisheries Center, P.O. Box 271, La Jolla, CA 92038.
Tele: (714) 453-2820 or FTS: 893-6820.

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
DEPTH	meters	STD PLESSEY Model 9006	N/A	SEE ATTACHMENT
TEMPERATURE	°C	"	"	"
SALINITY	‰	"	"	"

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

UNLABELED TAPE
111 FILES, EACH FILE IS AN STD CAST.
TWO END-OF-FILE MARKS FOLLOWING LAST CAST.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

FIRST RECORD - HEADER INFORMATION
SECOND RECORD ↓ LAST RECORD } DEPTH, TEMP., SAL., AT 1METER INTERVALS.

VARIABLE NUMBER OF RECORDS / FILE.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER KEN BLISS (714) 453-2820
ADDRESS P.O. BOX 271 LA JOLLA, CA. 92038

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 ☐ _____

10. END OF FILE MARK ☐ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*
NATIONAL MARINE FISHERIES
CRUISE 86 STD
JORDAN 1974

12. PHYSICAL BLOCK LENGTH IN BYTES
4680

13. LENGTH OF BYTES IN BITS
8 6 Bytes/WORD

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN WORDS (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS CHARS.	17. ATTRIBUTES	18. USE AND MEANING
CRUISE	1	2	I2		HEADER INFORMATION
STATION	2	3	I3		
MONTH	3	2	I2		
DAY	4	2	I2		
YEAR	5	2	I2		
TIME	6	4	I4		
LATITUDE	7	6	I6		deg., min., tenths of min.
LONGITUDE	8	6	I6		
NO. LEVELS	9	4	I4		
DEPTH	10	4	I4		FIELD REPEAT "NO. OF LEVELS" TIMES
TEMP.	11	4	I4		
SALINITY	12	5	I5		60 FIELDS/RECORD

TEMP. AND SAL. HAVE AN IMPLIED DECIMAL 2 AND 3 PLACES RESPECTIVELY TO THE LEFT OF THE LEAST SIGNIFICANT DIGIT.

NOAA FORM 24-13

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)
PLESSEY 9006	1974		PLESSEY ENVIRONMENTAL SYSTEMS				✓		

NOAA FORM 24-13

Notes on quality of STD (salinity/temperature/versus depth) casts from R/V David Starr Jordan Cruise No. 86, May 28 - July 6, 1974.

Number of STD casts: 111
Number of Nansen casts: 28
Number of Niskin casts: 39

These STD casts were judged by the data collection and processing team to be of good quality. Considerable effort was directed toward processing and calibration.

Measurements were made with a Plessey Model 9006 STD system modified with a Model 9040 Paraloc. The STD sensor unit was lowered at 30 m/min through the surface layer and thermocline and thereafter at about 60 m/min. Data was recorded at .5 sec intervals on a Plessey Model 8114 Digital Data Logger (DDL) and recorded on a Leeds and Northrup $X\text{-}Y_1\text{-}Y_2$ analog recorder.

The data were processed by computer routines which converted recorded frequencies to oceanographic parameters, corrected salinity offset and spiking (caused by differences in response times of sensors), removed depth reversals, computed running means and selected final values at each whole meter of depth. The routines were largely modified from those published by J. H. Jones (1969, Spec. Sci. Rep. No. 588, U.S. Fish, Wildlife Serv.). At the core of the modified version a salinity correction was derived to produce a common temperature-salinity (T-S) trace from the downcast and upcast for each station in which both were recorded. The correction term was based upon the instantaneous temperature gradient and an empirically derived constant (combining sensor and system response time differences) which produced the best fit. In all 111 casts, 94 had accompanying upcasts. The constants fell into patterns and were assigned to those stations without upcasts. Results suggest that this is an effective processing scheme. The overall quality was slightly compromised by the rather large variability among groups of station in the degree of spiking and hysteresis between the upcast and downcast T-S traces caused by changes within the STD instrument.

The following stations failed to record on the DDL and were manually digitized: Stations 1, 68, 69, 70, 71, 72. Points were chosen along the temperature and salinity traces for digitization so as to effectively reproduce the traces including all significant inflections and inversions. Each digitized cast was reviewed for consistency.

Calibration standards were determined from Nansen and Niskin cast data. An 18-bottle Nansen cast accompanied 28 of the STD casts and a 12-bottle Niskin rosette sampler accompanied 39 STD casts. Three or four salinty samples and two temperature readings were taken from each Niskin cast. Salinities were determined using a laboratory inductive salinometer.

Reversing thermometers were calibrated and maintained by Scripps Institution of Oceanography. The differences between the Nansen/Niskin and DDL for each data set was plotted and a quadratic equation computed to determine the best fit line through the points.

Results were as follows:

Temperature - Station 1-118

$$T' = T - 0.05$$

Salinity - Stations 1-18

$$S' = S + (.015 - 6.83*10^{-5}Z + 3.33*10^{-8}Z^2)$$

- Stations 19-53

$$S' = S - (.005 - 3.05*10^{-5}Z + 4.5*10^{-8}Z^2)$$

- Stations 54-118

$$S' = S + (.017 - 1.1*10^{-4}Z + 2.5*10^{-8}Z^2)$$

where Z = depth in meters.

No tests were made for a possible offset in the depth channel. No record was maintained of depth channel frequency count at the sea surface.

Questions on these data may be directed to Ronald Lynn or Ken Bliss, Southwest Fisheries Center, P.O. Box 271, La Jolla, CA 92038. Tele: (714) 453-2820 or FTS: 893-6820.

TAPE OR DISK ASSIGNMENT SHEET
(MRL) 11/6/78
(Rev. 11/80)

ACCESSION/TRACK NO.:

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR							
DUPLICATE							
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

DATE:

TO:

FROM:

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

1) File Type:_____

2) Project Ident.:_____

3) Track Nos.:_____

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name:_____

Notes on quality of STD (salinity/temperature/versus depth) casts from R/V David Starr Jordan Cruise No. 79, May 30-July 6, 1973.

Number of STD casts: 132
Number of Nansen casts: 16
Number of Niskin casts: 40

These STD casts were judged by the data collection and processing team to be of good quality. Considerable effort was directed toward processing and calibration.

Measurements were made with a Plessey Model 9006 STD system modified with a Model 9040 Paraloc. The STD sensor unit was lowered at 30 m/min through the surface layer and thermocline and thereafter at about 60 m/min. Data was recorded at .5 sec intervals on a Plessey Model 8114 Digital Data Logger (DDL) and recorded on a Leeds and Northrup $X\text{-}Y_1\text{-}Y_2$ analog recorder.

The data were processed by computer routines which converted recorded frequencies to oceanographic parameters, corrected salinity offset and spiking (caused by differences in response times of sensors), removed depth reversals, computed running means and selected final values at each whole meter of depth. The routines were largely modified from those published by J. H. Jones (1969, Spec. Sci. Rep. No. 588, U.S. Fish, Wildlife Serv.). At the core of the modified version a salinity correction was derived to produce a common temperature-salinity (T-S) trace from the downcast and upcast for each station in which both were recorded. The correction term was based upon the instantaneous temperature gradient (with algebraic sign) and an empirically derived constant (combining sensor and system response time differences) which produced the best fit. In all 132 casts, 83 had accompanying upcasts. The constants fell into patterns and were assigned to those stations without upcasts. Results suggest that this is an effective processing scheme. The overall quality was slightly compromised by the rather large variability among groups of station in the degree of spiking and hysteresis between the upcast and downcast T-S traces caused by changes within the STD instrument.

On a separate note the temperature and salinities at some levels between 100 and 115 meters of stations 39 and 40 have a small offset causing inversions in the density. These faults are still in the final data file.

The following stations failed to record on the DDL and were manually digitized: Stations 23, 24, 64, 92, 109, 163, 169-175, 177-180. Points were chosen along the temperature and salinity traces for digitization so as to effectively reproduce the traces including all significant inflections and inversions. Each digitized cast was reviewed for consistency.

Calibration standards were determined from Nansen and Niskin cast data. An 18-bottle Nansen cast accompanied 16 of the STD casts and a 12-bottle Niskin rosette sampler accompanied 40 STD casts. Salinities were determined using a laboratory inductive salinometer.

DATA SET ROUTE SHEET

ACCESSION/TRACK #_____

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE #							
QUADI/SCAN TAPE #							
DDF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK							
FIRST USER TAPE #							
WORK DISK FILE							
FINAL USER TAPE #							
FINAL MULCHEK							
EDITED DISK FILE							
DATA SET "FINALIZED"							

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA AND INFORMATION SERVICE
Washington, D.C. 20235

Liaison Office
P. O. Box 271
La Jolla, California 92038

February 24, 1981 EDIS:NCR

TO: OA/D781 - Anthony Picciolo

FROM: Nelson C. Ross, Jr.

SUBJECT: Data Submission (NMFS, La Jolla)

Forwarded are two magnetic tapes and DDFs for the following cruises:

1. Albacore Oceanography
   Jordan Cruise 79 STD
   May 30, 1973 - July 6, 1973
   132 casts.

2. Albacore Oceanography
   Jordan Cruise 86 STD
   May 28, 1974 - July 6, 1974
   111 casts

Please perform quality checks with respect to documentation and acceptability. In addition please acknowledge receipt of data and forward the assigned NODC Reference Numbers to the submitter.

Acc #
8100438

cc: Ken Bliss, SWFC
OA/D75

✓ = ENTRY
X = D782 ENTRY

T-CD [-] N.O.D.C. -- NAPIS RECORD

ACCESSION NO [ ]

DATE RECEIVED: YR [81] MO [03] DAY [02]

PUB-NO [ ]

T-CD [ ] N.O.D.C. -- TRACK RECORD

ACCESSION NO [ ] REFERENCE NO [ ] DNP (Y/N) [Y

COUNTRY CODE [31] COUNTRY [U.S.

INST. CODE [A2] NMFS
[

FILE-ALIAS [C148] FILE-NAME [STD

PROJ-CODE [ ] PROJ-NAME [

MEDIUM: CODE [09] TYPE [
PLATFORM:
TYPE CODE [09] TYPE [

PLAT CODE [31JD] NAME [JORDAN

CRUISE NO [86] CRUISE-START [740528] CRUISE-END [740706

RCOUNT [ ] STATIONS-IN [///] STATIONS-OUT [ ]

STATUS REJ [ ] SU [810302] SP [ ] QUADI [

DATES: PROCESS [ ] DIP [ ] MFUPDT [ ] RETCOR [

DATA TRACK: RU [ ] FILE-ID [ ] LEASE [

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 8100438 C022 319633 9999 31A2 31JD    1973/06/11 TT5089       314382
 8100438 F022 TT5089 9999 31A2 31JD    1973/06/11 79           314383

 (2 rows affected)
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```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 8100438 C022 319633 31JD 131    249    73/06/11   73/07/04
 8100438 F022 TT5089 31JD 131    15923  73/06/11   73/07/04

(2 rows affected)
```

ACCESSION NUMBER 8100438

TT5089 F022
319633 C022

DATA DOCUMENTATION FORM

NOAA FORM 24-13 (4-77)

U.S. DEPARTMENT OF COMMERCE
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WASHINGTON, DC 20235

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

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P.O. BOX 271
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ALBACORE OCEANOGRAPHY

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

JORDAN CRUISE 79 STD

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
R/V DAVID STARR JORDAN	SHIP	U.S.	U.S.	5/30/73	7/6/73

8. ARE DATA PROPRIETARY?

☑ 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?)

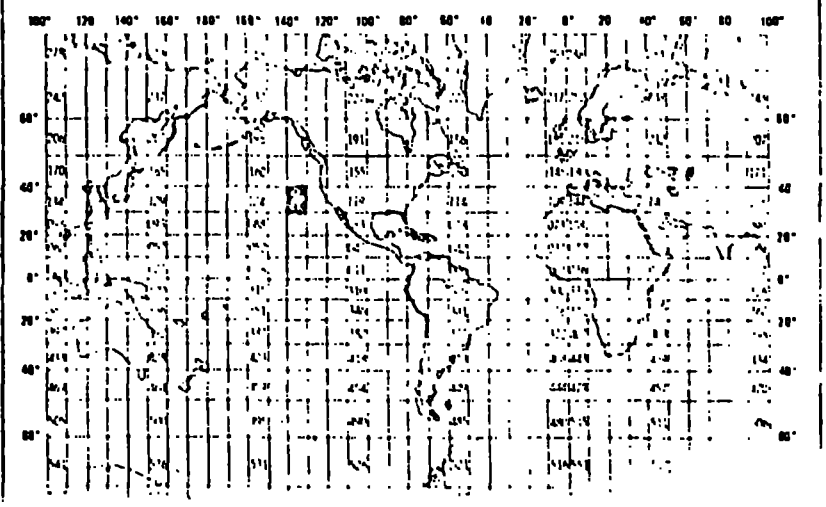
☐ NO ☑ YES ☐ PART *(SPECIFY BELOW)*

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

KEN BLISS
NMFS

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

GENERAL AREA



B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
DEPTH	meters	STD PLESSEY Model 9006	N/A	SEE ATTACHMENT
TEMPERATURE	°C	"	"	"
SALINITY	‰	"	"	"

NA 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
AND GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

UNLABELED TAPE.

132 FILES, EACH FILE IS AN STD CAST.

TWO END-OF-FILE MARKS FOLLOWING LAST CAST.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

FIRST RECORD – HEADER INFORMATION

SECOND RECORD ↓ LAST RECORD > DEPTH, TEMP., SAL. AT 1METER INTERVALS.

VARIABLE NUMBER OF RECORDS / FILE.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER KEN BLISS (714) 453-2820
ADDRESS P.O. BOX 271 LA JOLLA, CA. 92038

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 ☐ _____

10. END OF FILE MARK ☐ OCTAL 17 ☐ _____

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

NATIONAL MARINE FISHERIES
CRUISE 79 STD
JORDAN 1973

12. PHYSICAL BLOCK LENGTH IN BYTES
4680

13. LENGTH OF BYTES IN BITS

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN WORDS (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
CRUISE	1	2	CHAR.	I2	HEADER INFORMATION
STATION	2	3	"	I3	
MONTH	3	2	"	I2	
DAY	4	2	"	I2	
YEAR	5	2	"	I2	
TIME	6	4	"	I4	
LATITUDE	7	6	"	I6	DEG., MIN., tenths of MIN.
LONGITUDE	8	6	"	I6	
NO. LEVELS	9	4	"	I4	
DEPTH	10	4	"	I4	FIELD REPEATED NO. LEVELS TIMES. 60 FIELDS / RECORD
TEMP.	11	4	"	I4	
SAL.	12	5	"	I5	

TEMP. AND SAL. HAVE AN IMPLIED DECIMAL 2 AND 3 PLACES RESPEC TO THE LEFT OF THI LEAST SIGNIFICANT DI

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)
PLESSEY 9006	1973		PLESSEY ENVIRONMENTAL SYSTEMS.				✓		

Notes on quality of STD (salinity/temperature/versus depth) casts from R/V David Starr Jordan Cruise No. 79, May 30-July 6, 1973.

Number of STD casts: 132
Number of Nansen casts: 16
Number of Niskin casts: 40

These STD casts were judged by the data collection and processing team to be of good quality. Considerable effort was directed toward processing and calibration.

Measurements were made with a Plessey Model 9006 STD system modified with a Model 9040 Paraloc. The STD sensor unit was lowered at 30 m/min through the surface layer and thermocline and thereafter at about 60 m/min. Data was recorded at .5 sec intervals on a Plessey Model 8114 Digital Data Logger (DDL) and recorded on a Leeds and Northrup $X\text{-}Y_1\text{-}Y_2$ analog recorder.

The data were processed by computer routines which converted recorded frequencies to oceanographic parameters, corrected salinity offset and spiking (caused by differences in response times of sensors), removed depth reversals, computed running means and selected final values at each whole meter of depth. The routines were largely modified from those published by J. H. Jones (1969, Spec. Sci. Rep. No. 588, U.S. Fish, Wildlife Serv.). At the core of the modified version a salinity correction was derived to produce a common temperature-salinity (T-S) trace from the downcast and upcast for each station in which both were recorded. The correction term was based upon the instantaneous temperature gradient (with algebraic sign) and an empirically derived constant (combining sensor and system response time differences) which produced the best fit. In all 132 casts, 83 had accompanying upcasts. The constants fell into patterns and were assigned to those stations without upcasts. Results suggest that this is an effective processing scheme. The overall quality was slightly compromised by the rather large variability among groups of station in the degree of spiking and hysteresis between the upcast and downcast T-S traces caused by changes within the STD instrument.

On a separate note the temperature and salinities at some levels between 100 and 115 meters of stations 39 and 40 have a small offset causing inversions in the density. These faults are still in the final data file.

The following stations failed to record on the DDL and were manually digitized: Stations 23, 24, 64, 92, 109, 163, 169-175, 177-180. Points were chosen along the temperature and salinity traces for digitization so as to effectively reproduce the traces including all significant inflections and inversions. Each digitized cast was reviewed for consistency.

Calibration standards were determined from Nansen and Niskin cast data. An 18-bottle Nansen cast accompanied 16 of the STD casts and a 12-bottle Niskin rosette sampler accompanied 40 STD casts. Salinities were determined using a laboratory inductive salinometer.

Reversing thermometers were calibrated and maintained by Scripps Institution of Oceanography. The differences between the Nansen/Niskin and DDL for each data set was plotted and a quadratic equation computed to determine the best fit line through the points.

For stations recorded on the DDL:

Temp. needed no correction

$S' = S-(.036-2*10^{-5}Z+4*10^{-8}Z^2)$

where Z = depth.

For stations digitized from analog traces:

$T' = T+0.05°C$ 0-1000 meters

$S' = S-0.025°/_{oo}$ 0-500 meters
$S' = S-0.045°/_{oo}$ 501-1000 meters

No tests were made for a possible offset in the depth channel. No record was maintained of depth channel frequency count at the sea surface.

Questions on these data may be directed to Ronald Lynn or Ken bliss, Southwest Fisheries Center, P.O. Box 271, La Jolla, CA 92038.
Tele: (714) 453-2820 or FTS: 893-6820.

NUMBER 8106438

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-R265-1
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

NATIONAL MARINE FISHERIES SERV.
P.O. BOX 271
LA JOLLA, CA. 92038

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

ALBACORE OCEANOGRAPHY

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

JORDAN CRUISE 86 STD

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
R/V DAVID STARR JORDAN	SHIP	U.S.	U.S.	5/28/74	7/6/74

8. ARE DATA PROPRIETARY?

~~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?)

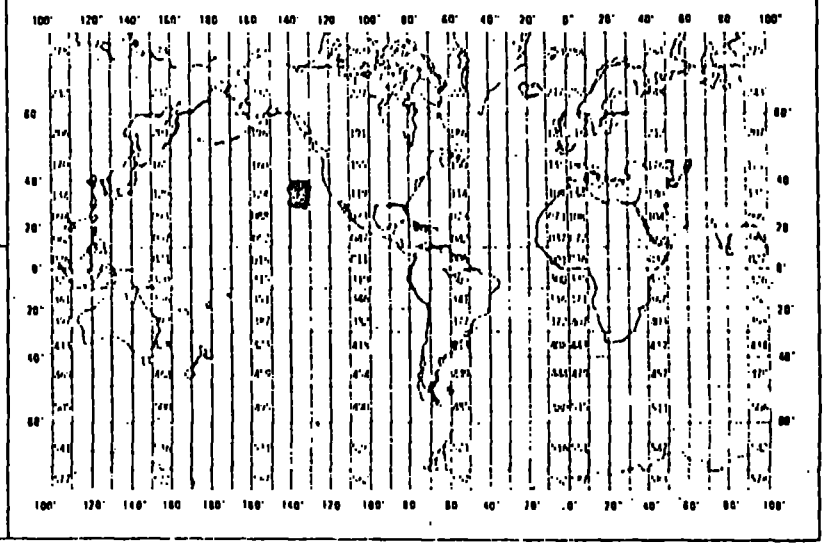
NO ~~YES~~ PART (SPECIFY BELOW)

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

KEN BLISS
NMFS
(714) 453-2820

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

GENERAL AREA



NOAA FORM 24-13

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSI... TECHNIQUES WITH FIL... AND AVERAGING
DEPTH	meters	STD PLESSEY Model 9006	N/A	SEE ATTACHME
TEMPERATURE	°C	"	"	"
SALINITY	°/oo	"	"	"

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

UNLABELED TAPE
111 FILES, EACH FILE IS AN STD CAST.
TWO END-OF-FILE MARKS FOLLOWING LAST CAST.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

FIRST RECORD – HEADER INFORMATION
SECOND RECORD ↓ LAST RECORD } DEPTH, TEMP., SAL., AT 1METER INTERVALS.

VARIABLE NUMBER OF RECORDS / FILE.

3. ATTRIBUTES AS EXPRESSED IN [ ] PL-1 [ ] ALGOL [ ] COBOL [X] FORTRAN [ ] _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER KEN BLISS (714) 453-2820
ADDRESS P.O. BOX 271 LA JOLLA, CA. 92038

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

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

6. 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 [ ] _____

10. END OF FILE MARK: [ ] OCTAL 17 [ ] _____

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

NATIONAL MARINE FISHERIES
CRUISE 86 STD
JORDAN 1974

12. PHYSICAL BLOCK LENGTH IN BYTES
4680

13. LENGTH OF BYTES IN BITS

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN WORDS (e.g., bits, bytes)	16. LENGTH NUMBER	UNITS CHARS.	17. ATTRIBUTES	18. USE AND MEANING
CRUISE	1	2	I2		HEADER INFORMATION
STATION	2	3	I3		
MONTH	3	2	I2		
DAY	4	2	I2		
YEAR	5	2	I2		
TIME	6	4	I4		
LATITUDE	7	6	I6		deg., min., tenths of min.
LONGITUDE	8	6	I6		
ND. LEVELS	9	4	I4		
DEPTH	10	4	I4		FIELD REPEAT "ND. OF LEVELS" TIMES
TEMP.	11	4	I4		
SALINITY	12	5	I5		

60 FIELDS/RECORD

TEMP. AND SAL. HAVE AN IMPLIED DECIMAL 2 AND 3 PLACES RESPECTIVELY TO THE LEFT OF THE LEAST SIGNIFICANT DIGIT.

NOAA FORM 24-13

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTR. MEN. IS NOT CA. BRA-
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	(✓)
PLESSEY 9006	1974		PLESSEY ENVIRONMENTAL SYSTEMS				✓		

NO[illegible] FORM 24-13

Notes on quality of STD (salinity/temperature/versus depth) casts from R/V David Starr Jordan Cruise No. 86, May 28 - July 6, 1974.

Number of STD casts: 111
Number of Nansen casts: 28
Number of Niskin casts: 39

These STD casts were judged by the data collection and processing team to be of good quality. Considerable effort was directed toward processing and calibration.

Measurements were made with a Plessey Model 9006 STD system modified with a Model 9040 Paraloc. The STD sensor unit was lowered at 30 m/min through the surface layer and thermocline and thereafter at about 60 m/min. Data was recorded at .5 sec intervals on a Plessey Model 8114 Digital Data Logger (DDL) and recorded on a Leeds and Northrup $X\text{-}Y_1\text{-}Y_2$ analog recorder.

The data were processed by computer routines which converted recorded frequencies to oceanographic parameters, corrected salinity offset and spiking (caused by differences in response times of sensors), removed depth reversals, computed running means and selected final values at each whole meter of depth. The routines were largely modified from those published by J. H. Jones (1969, Spec. Sci. Rep. No. 588, U.S. Fish, Wildlife Serv.). At the core of the modified version a salinity correction was derived to produce a common temperature-salinity (T-S) trace from the downcast and upcast for each station in which both were recorded. The correction term was based upon the instantaneous temperature gradient and an empirically derived constant (combining sensor and system response time differences) which produced the best fit. In all 111 casts, 94 had accompanying upcasts. The constants fell into patterns and were assigned to those stations without upcasts. Results suggest that this is an effective processing scheme. The overall quality was slightly compromised by the rather large variability among groups of station in the degree of spiking and hysteresis between the upcast and downcast T-S traces caused by changes within the STD instrument.

The following stations failed to record on the DDL and were manually digitized: Stations 1, 68, 69, 70, 71, 72. Points were chosen along the temperature and salinity traces for digitization so as to effectively reproduce the traces including all significant inflections and inversions. Each digitized cast was reviewed for consistency.

Calibration standards were determined from Nansen and Niskin cast data. An 18-bottle Nansen cast accompanied 28 of the STD casts and a 12-bottle Niskin rosette sampler accompanied 39 STD casts. Three or four salinty samples and two temperature readings were taken from each Niskin cast. Salinities were determined using a laboratory inductive salinometer.

Reversing thermometers were calibrated and maintained by Scripps Institution of Oceanography. The differences between the Nansen/Niskin and DDL for each data set was plotted and a quadratic equation computed to determine the best fit line through the points.

Results were as follows:

Temperature - Station 1-118

$$T' = T - 0.05$$

Salinity - Stations 1-18

$$S' = S + (.015 - 6.83*10^{-5}Z + 3.33*10^{-8}Z^2)$$

- Stations 19-53

$$S' = S - (.005 - 3.05*10^{-5}Z + 4.5*10^{-8}Z^2)$$

- Stations 54-118

$$S' = S + (.017 - 1.1*10^{-4}Z + 2.5*10^{-8}Z^2)$$

where Z = depth in meters.

No tests were made for a possible offset in the depth channel. No record was maintained of depth channel frequency count at the sea surface.

Questions on these data may be directed to Ronald Lynn or Ken Bliss, Southwest Fisheries Center, P.O. Box 271, La Jolla, CA 92038. Tele: (714) 453-2820 or FTS: 893-6820.

TAPE OR DISK ASSIGNMENT SHEET
(MRL) 11/6/78
(Rev. 11/80)

CCESSION/TRACK NO.:

PE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR							
DUPLICATE							
REFORMATTED							
FIRST SER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECOR
WORK DISK FILE							
EDITED DISK FILE							

DATE:

TO:

FROM:

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

1) File Type:_____

2) Project Ident.:_____

3) Track Nos.:_____.

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name:_____

DATA SET ROUTE SHEET

ACCESSION/TRACK #_____

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE #							
QUADI/SCAN TAPE #							
DDF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK							
FIRST USER TAPE #							
WORK DISK FILE							
FINAL USER TAPE #							
FINAL MULCHEK							
EDITED DISK FILE							
DATA SET "FINALIZED"							

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA AND INFORMATION SERVICE
Washington, D.C. 20235

Liaison Office
P. O. Box 271
La Jolla, California 92038

February 24, 1981 EDIS:NCR

TO: OA/D781 - Anthony Picciolo

FROM: Nelson C. Ross, Jr.

SUBJECT: Data Submission (NMFS, La Jolla)

Forwarded are two magnetic tapes and DDFs for the following cruises:

1. Albacore Oceanography
   Jordan Cruise 79 STD
   May 30, 1973 - July 6, 1973
   132 casts.

2. Albacore Oceanography
   Jordan Cruise 86 STD
   May 28, 1974 - July 6, 1974
   111 casts

Please perform quality checks with respect to documentation and acceptability. In addition please acknowledge receipt of data and forward the assigned NODC Reference Numbers to the submitter.

cc: Ken Bliss, SWFC
OA/D75

√ = ENTRY
x = D78.2 ENTRY

-CD [-] N.O.D.C. -- NAPIS RECORD

CCESSION NO [ ]

ATE RECEIVED: YR [81] MO [03] DAY [02]

UB-NO [ ]

-CD [ ] N.O.D.C. -- TRACK RECORD

ACCESSION NO [ ] REFERENCE NO [ ] DNP (Y/N) [ ]

OUNTRY CODE [31] COUNTRY [ ]

NST. CODE [A2] [ ]

[

ILE-ALIAS [C148] FILE-NAME [ ]

ROJ-CODE [ ] PROJ-NAME [

EDIUM: CODE [07] TYPE [

PLATFORM:

TYPE CODE [09] TYPE [

PLAT CODE [31JD] NAME [ ]

RUISE NO [86] CRUISE-START [740128] CRUISE-END [740

COUNT [ ] STATIONS-IN [///] STATIONS-OUT [ ]

TATUS REJ [ ] SU [810302] SP [ ] QUADI [

ATES: PROCESS [ ] DIP [ ] MFUPDT [ ] RETCOR [

TRACK: RU [ ] FILE-ID [ ] LEASE [

DINDB QUERY LISTING
06/13/1988

* ACC-NO	REFNO	F-A	PROJ	INST	PLAT	CRUISE	***CRUISE DATES*** START	END	STA IN	STA OUT
***										
* 8100438	319633	C022	****	31A2 NOAA	31JD	TT5089	06/11/1973	07/04/1973	131	131

139.23Y-19

NANSEN REF. #
319633

MULDARS TRACK #
TT5089

MONITOR: CONTACT
SELKIRK

LOCATION OF F022 SOURCE
ARCHIVES

RECORD ALL ERRORS FOUND

CONSEC(S).

ERRORS FOUND

NONE

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 8100438 C022 319633 9999 31A2 31JD    1973/06/11 TT5089       314382
 8100438 F022 TT5089 9999 31A2 31JD    1973/06/11 79           314383

(2 rows affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 8100438 C022 319633 31JD 131    249    73/06/11   73/07/04
 8100438 F022 TT5089 31JD 131    15923  73/06/11   73/07/04

(2 rows affected)
```