

DDF A:4:16 **DATA DOCUMENTATION FORM**

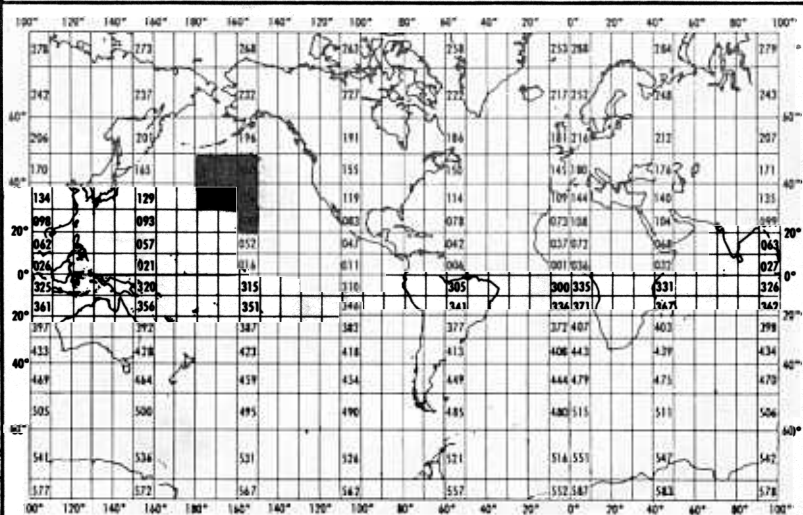
**NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, D. C. 20390**

TAPE R970

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 <i>Department of Oceanography University of Washington Seattle, Washington 98105</i>			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>O.N.R. - Study of Mid-Pacific Transition Zone</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT <i>TT-027</i>	
4. PLATFORM NAME (S) <i>RV Thomas G. Thompson</i>	5. PLATFORM TYPE (S) (E.G., SHIP, BUOY, ETC.) <i>Ship - AGOR</i>	6. PLATFORM AND OPERATOR NATIONALITY (IES) PLATFORM OPERATOR <i>U.S. U.S.</i>	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR <i>4/1/68 5/2/68</i>
8. ARE DATA PROPRIETARY ? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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 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 ?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) <i>Gunnar I. Roden Area Code: 206 Phone: 543-5627</i>			

B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example

EXAMPLE (HYPOTHETICAL INFORMATION)

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
Salinity	‰	Nansen bottles	Inductive salinometer (Hytech model 5510)	N/A (not applicable)
		STD Bissett-Berman model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	φ units and percent by weight	Ewing cores	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '68

(SPACE IS PROVIDED ON THE FOLLOWING
TWO PAGES FOR THIS INFORMATION)

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
Temperature	°C	Bissett-Berman STD Model #9006	N/A	Data interpolated to 3-meter intervals using linear interpolation
Salinity	‰			

C. DATA FORMAT

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

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

Rather than arranging the data in records, we have used a series of files, one station of data to a file and each file containing a certain number of records. So the tape is a multi-file tape with the end of data marked by a double end-of-file. There are 3 types of files on the tape. The first is the information file; it describes the data on the tape and gives numbers and formats to enable one to reach the remainder of the tape. The second type is the file for a normal station of temp. + sal. It contains the interpolated temp. + sal. taken at that station. The third type of file is for a station which was attempted but conditions were not favorable for taking STD data. Only location + atmospheric variables are listed on this file - no temp. + sal.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

There is only one information file and it is the first file on the tape. Then follows the group of consecutively-numbered stations with second and third type files coming according to ascending station number. Any miscellaneous stations come at the end. The information file has 6 logical records; the "normal station" file has 2 identification records, plus as many 12-word records as necessary to write down all the temperatures for that station, then that same number of records for salinity. The file for a station with no temp. + sal. data has only the 2 identification records. The whole tape is written in coded (BCD) "card image" format and can be copied directly to cards without alteration.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Donna J. Bendiner 543-5629
ADDRESS Dept. of Oceanography, Univ. of Washington, Seattle, Wa. 98105

Note: This tape was created on a CDC 6400 computer.

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>	
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>	
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>Mid-Pacific Transition Zone, Temperature and salinity data, April 1968.</p> <p>Cruise No. TT-027.</p> <p>Card image, multi-file tape.</p> <p>Originator: Gunnar I. Roden</p>	
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input checked="" type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>		<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>128 central memory words, or 1,280 bytes</p>
		<p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

~~FILE RECORD~~ **FORMAT DESCRIPTION**

FILE RECORD NAME _____

TAPE INFORMATION FILE

Log. Records*	14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>words</u> <small>1 word = 60 bits (e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
			NUMBER	UNITS		
1	NUMSTA	1	1	word	(I5)	Number of stations, or remaining files of data, on the tape.
	LCQNSC	2	1	"	(I5)	Number of consecutively-numbered stations on the tape beginning with
	IHEAD	3	11	"	(11A6)	a heading identifying this body of data.
2	I2STAT	1	NUMSTA	words	(20I4)	An array containing the station numbers of all stations in the order they appear on the tape, including both the consecutive and the miscellaneous groups.
3	NNQN	1	1	word	(I5)	Number of STD stations on the tape with no temp. & sal. data - number of "type 3" files.
	NQNSTA	2	NNQN	"	(15I5)	An array containing the station numbers of all these stations with no temp. & sal. data.
4	IFORM	1	13	words	(13A6)	The format by which the first identification record on each coded station file is read.
5	JFORM	1	13	words	(13A6)	The format by which the second identification record on each file is read.
	KFORM	1	13	words	(13A6)	The format by which all the temperature and salinity records on each file are read.

* The term "logical record" is used throughout this documentation to mean the equivalent of one FORTRAN READ and/or WRITE statement. Also, the word "record" in this documentation means logical record.

FILE
~~RECORD~~ FORMAT DESCRIPTION

FILE
 RECORD NAME

STATION #1

Log Rec.	14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Words <small>1 word = 60 bits (e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING	
			NUMBER	UNITS			
1	N	1	1	Word	IFORM (read from information file)	Number of data points for this station. There are N temp. values and N sal. values. Maximum N = 501. Date the station was taken Station number. General geographic location of the station. The first observed (not extrapolated) depth of the STD for this station. The last observed depth of the STD for this station.	
	DATE	2	3	"			
	NOSTAT*	5	1	"			
	GEOPAREA	6	7	"			
	FDBS	13	1	"			
	LOBBS	14	1	"			
2	XLAT	1	1	Word	JFORM	Latitude of this sta. } N lat. positive } S " negative Longitude of this sta. } E long. positive } W long. negative	
	XLONG	2	1	"			
	BOTM	3	1	"		Depth to ocean floor in meters. Atmospheric pressure in mb. Wind speed in knots. Wind direction. Surface temperature as measured by bucket in °C. Surface salinity as measured by bucket in ‰. Station number. Cruise number. Station number.	
	PATM	4	1	"			
	WSP	5	1	"			
	WDIR	6	1	"			
	TO	7	1	"			
	SO	8	1	"			
	NOSTAT*	9	1	"			
	CRUISE	10	1	"			
	NSTA*	11	1	"			
3- 44 **	TEMP	1	12	Word	KFORM		The interpolated temperatures. Station number. NVAR = 1 for temperature. The record or card number for temperature.
	NSTAT*	13	1	"			
	NVAR	14	1	"			
	NCARD	15	1	"			
45- 86 **	SAL	1	12	Word	KFORM	The interpolated salinities. Station number. NVAR = 2 for salinity. The record or card number for salinity.	
	NSTAT*	13	1	"			
	NVAR	14	1	"			
	NCARD	15	1	"			
* All these fields are exactly the same thing, namely the station number. This number appears on all cards or records for internal identification.							

** When N = 501.

FILE
~~RECORD~~ FORMAT DESCRIPTION

FILE
 RECORD NAME

STATION #5

	FIELD NAME	15. POSITION FROM - 1 MEASURED IN WORDS 1 word = 60 bits (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
			NUMBER	UNITS		
1	N	1	1	word	IFORM	All the meanings are the same as for STATION #1, except it is always true that N=0 for these short "type 3" files.
	DATE	2	3	"		
	NOSTAT	5	1	"		
	GEOPAREA	6	7	"		
	FOPS	13	1	"		
	LOBS	14	1	"		
2	XLAT	1	1	word	JFORM	All the meanings in this record are also the same as for STATION #1, except possibly the two fields TO and SO will be equal to zero.
	XLONG	2	1	"		
	BOTM	3	1	"		
	PATM	4	1	"		
	WSP	5	1	"		
	WDIR	6	1	"		
	TO	7	1	"		
	SO	8	1	"		
	NOSTAT	9	1	"		
	CRUISE	10	1	"		
	NSTA	11	1	"		
<p>Note: On these short files, which are listed by station number in the array NONSTA of the information file, the purpose is to record the fact that a station was attempted, the location, and some of the conditions at the time.</p>						

DDF A:4514

DATA DOCUMENTATION FORM

NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, D. C. 20390

TAPE R723

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 <i>Department of Oceanography University of Washington Seattle, Washington 98105</i>			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>O.N.P. - Study of Eastern North Pacific Transition Zone</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT <i>TT-045</i>	
4. PLATFORM NAME (S) <i>RV Thomas G. Thompson</i>	5. PLATFORM TYPE (S) (E.G., SHIP, BUOY, ETC.) <i>Ship - AGOR</i>	6. PLATFORM AND OPERATOR NATIONALITY (IES) PLATFORM OPERATOR <i>U.S. U.S.</i>	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR <i>11/1/69 12/6/69</i>
8. ARE DATA PROPRIETARY ? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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 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 ?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) <i>Gunnar I. Roden Area Code: 206 Phone: 543-5627</i>			

B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example

EXAMPLE (HYPOTHETICAL INFORMATION)

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
Salinity	‰	Nansen bottles	Inductive salinometer (Hytech model S 510)	N/A (Not Applicable)
		STD Bissett-Berman Model 9006	N/A	values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	φ units and percent by weight	Ewing corer	Standard sieve. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING
TWO PAGES FOR THIS INFORMATION)

FILE
~~RECORD~~ **FORMAT DESCRIPTION**

FILE
RECORD NAME _____

STATION #1

Log Rec	14. FIELD NAME	15. POSITION FROM -1 MEASURED IN words <small>1 word = 60 bits (e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
			NUMBER	UNITS		
1	N	1	1	Word	IFORM (read from information file)	Number of data points for this station. There are N temp. values and N sal. values. Maximum N = 501. Date the station was taken Station number. Several geographic location of the station. The first observed (not extrapolated) depth of the STD for this station. The last observed depth of the STD for this station.
	DATE	2	3	"		
	NOSTAT*	5	1	"		
	GEOPAREA	6	7	"		
	FQBS	13	1	"		
	LQBS	14	1	"		
2	XLAT	1	1	Word	JFORM	Latitude of this sta. } N lat. positive } S " negative Longitude of this sta. } E long. positive } W long. negative Depth to ocean floor in meter. Atmospheric pressure in mb. Wind speed in knots. Wind direction. Surface temperature as measured by bucket in °C. Surface salinity as measured by bucket in ‰. Station number. Cruise number. Station number.
	XLONG	2	1	"		
	BOTM	3	1	"		
	PATM	4	1	"		
	WSP	5	1	"		
	WDIR	6	1	"		
	TO	7	1	"		
	SO	8	1	"		
	NOSTAT*	9	1	"		
	CRUISE	10	1	"		
	NSTA*	11	1	"		
3- 44 **	TEMP	1	12	word	KFORM	The interpolated temperatures Station number. NVAR = 1 for temperature. The record or card number for temperature.
	NSTAT*	13	1	"		
	NVAR	14	1	"		
	NCARD	15	1	"		
45- 86 **	SAL	1	12	word	KFORM	The interpolated salinities Station number. NVAR = 2 for salinity. The record or card number for salinity.
	NSTAT*	13	1	"		
	NVAR	14	1	"		
	NCARD	15	1	"		
* All these fields are exactly the same thing, namely the station number. This number appears on all cards or records for internal identification.						

FILE
RECORD NAME

FILE
RECORD FORMAT DESCRIPTION

TAPE INFORMATION FILE

Log. Records*	14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>words</u> <small>1 word = 60 bits (e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
			NUMBER	UNITS		
1	NUMSTA	1	1	word	(I5)	Number of stations, or remaining files } data, on the tape Number of consecutively - numbr stations on the tape } beginning a heading identifying this bo } of data.
	LCONSEC	2	1	"	(I5)	
	IHEAD	3	11	"	(11A6)	
2	ISTAT	1	NUMSTA	words	(20I4)	An array containing the station numbers of all stations in the c they appear on the tape, include both the consecutive and the miscellaneous groups.
3	NNON	1	1	word	(I5)	Number of STD stations on the c with no temp. & sal. data } of "type 3" files. An array containing the stat numbers of all these state with no temp. & sal. data.
	NONSTA	2	NNON	"	(15I5)	
4	IFORM	1	13	words	(13A6)	The format & code the d identification coded
5	JFORM	1	13	words	(13A6)	The format by which the identification record on a file is read.
6	KFORM	1	13	words	(13A6)	The format by which all temperature and salinity r on each file are read.

* The term "logical record" is used throughout this documentation to mean the equivalent of one FORTRAN READ and/or WRITE statement. Also, the word "record" in this documentation means logical record.

C. DATA FORMAT

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

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

(upon arranging the data in records), we have used a series of files, station of data to a file and each file containing a certain number of records. So the tape is a multi-file tape with the end-of-data marked by a double end file. There are 3 types of files on the tape. The first is the information file; it describes the data on the tape and gives numbers and formats to enable one to reach the remainder of the tape. The second type is the file for a normal station of temp. + sal. It contains the interpolated temp. + sal. taken at that station. The third type file is for a station which was attempted but conditions were not favorable for taking STD data. Only location + atmospheric variables are listed on this file - no temp. + sal.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

There is only one information file and it is the first file on the tape. Then follows the group of consecutively-numbered stations with second and third type files coming according to ascending station number. Any miscellaneous stations come at the end. The information file has 6 logical records; the "normal station" file has 2 identification records, plus as many 12-word records as necessary to write down all the temperatures for that station, then that same number of records for salinity. The file for a station with no temp. + sal. data has only the 2 identification records. The whole tape is written in coded (BCD) "card image" format and can be copied directly to cards without alteration.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Donna J. Bendiner 543-5627

ADDRESS Dept. of Oceanography, Univ. of Washington, Seattle, Wn. 9810

Note: This tape was created on a CDC 6400 computer.

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>Northeastern Pacific Transition Zone Temperature and salinity, Nov. 1969 Cruise No. TT-045.</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input checked="" type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>Card image, multi-file tape. Originator: Gunnar I. Roden</p> <p>12. PHYSICAL BLOCK LENGTH IN BYTES <u>128 central memory words, or 1,280 bytes</u></p> <p>13. LENGTH OF BYTES IN BITS <u>6 bits</u></p>

B. SCIENTIFIC CONTENT

DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	REPORTING UNITS OR CODE	NAME OF DATA FIELD
Data interpolated to 3-meter intervals using linear interpolation	N/A	Bissett-Berman STD Model #9006	°C ‰	Temperature Salinity

FILE

FILE
RECORD FORMAT DESCRIPTION

RECORD NAME

STATION #3

Log Rec.	14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN WORDS 1 word = 60 bits (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
			NUMBER	UNITS		
1	N	1	1	word	IFORM	All the meanings are the same as for STATION #1, except it is always true that N is there about "time 3" etc.
	DATE	2	3	"		
	NQSTAT	5	1	"		
	GEOPAREA	6	7	"		
	FQBS	13	1	"		
	LQBS	14	1	"		
2	XLAT	1	1	word	JFORM	All the meanings in this zero.
	XLONG	2	1	"		
	BQTM	3	1	"		
	PATM	4	1	"		
	WSP	5	1	"		
	WDIR	6	1	"		
	TO	7	1	"		
	SO	8	1	"		
	NQSTAT	9	1	"		
	CRUISE	10	1	"		
	NSTA	11	1	"		
<p>Note: On these short files, which are listed by station number in the array NONSTA of the information file, the purpose is to record the fact that a station was attempted, the location and some of the conditions at the time.</p>						