

DATA DOCUMENTATION FORM

TR 7601

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

<p>1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED</p> <p>George L. Hunt UC Irvine Irvine, CA. 92717 714-833-6322</p>											
<p>2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED</p> <p style="text-align: center;">PROBES</p>		<p>3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT</p> <p style="text-align: center;">UCI281</p>									
<p>4. PLATFORM NAME(S)</p> <p style="text-align: center;">T.G. Thompson</p>	<p>5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)</p> <p style="text-align: center;">research ship</p>	<p>6. PLATFORM AND OPERATOR NATIONALITY(IES)</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>PLATFORM</th> <th>OPERATOR</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">US</td> <td style="text-align: center;">US</td> </tr> </tbody> </table>	PLATFORM	OPERATOR	US	US	<p>7. DATES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>FROM: MO/DAY/YR</th> <th>TO: MO/DAY/YR</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">4/11/81</td> <td style="text-align: center;">4/27/81</td> </tr> </tbody> </table>	FROM: MO/DAY/YR	TO: MO/DAY/YR	4/11/81	4/27/81
PLATFORM	OPERATOR										
US	US										
FROM: MO/DAY/YR	TO: MO/DAY/YR										
4/11/81	4/27/81										
<p>8. ARE DATA PROPRIETARY?</p> <p><input checked="" type="checkbox"/> NO    <input type="checkbox"/> YES</p> <p>IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____</p>		<p>11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.</p> <p style="text-align: center;">GENERAL AREA</p>									
<p>9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL DATA EXCHANGE?)</p> <p><input type="checkbox"/> NO    <input checked="" type="checkbox"/> YES    <input type="checkbox"/> PART (SPECIFY BELOW)</p>		This area is covered by the map from the previous row									
<p>10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)</p> <p>George L. Hunt UC Irvine Irvine, CA. (714-833-6322)</p>											

## 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 S510)	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 sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(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
station number	alphanumeric			
time & date	GMT	ship's instruments		
course	tens of degrees	" "		
speed	whole knots	" "		
latitude & longitude	degrees, minutes seconds	" "		
transect width	tens of meters			
depth to bottom	whole meters	" "		
surface temp.	tenths of degrees celsius	" "		
dry bulb	tenths of degrees celsius	" "		
barometric pres.	tenths of millibars	" "		
wind direction	NODC code 0110	" "		
wind speed	whole knots	" "		
sea state	NODC code 0109	determined by ship's crew/observer		
swell height	tens of meters	" "		
weather	NODC code 0159	" "		
cloud cover	NODC code 0105	" "		
visibility	NODC code 0157	" "		
glare intensity	NODC code 0035	" "		

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
glare area	NODC code 0034	determined by ship's crew/observer		
distance to shore	whole nautical miles	"	"	
distance to shelf	whole nautical miles	"	"	
time	in minutes from transect start	"	"	
taxonomic code	NODC code	"	"	
age class	NODC code 0112	"	"	
sex	NODC code 0101	"	"	
color	NODC code 0115	"	"	
plumage	NODC code 0043	"	"	
# of individuals		"	"	
count method	NODC code 0097	"	"	
reliability	NODC code 0044	"	"	
distance measurement	NODC code 0118	"	"	
distance to birds	tens of meters	"	"	
flight direction	tens of meters	"	"	
behavior	NODC code 0142	"	"	
habitat	NODC code 0098	"	"	

## C. DATA FORMAT

**This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.**

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

### 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**

There are four different record types in this file:

- 1) location record
- 2) environmental record
- 4) comment record
- 5) bird census record

The records are distinguishable by the number in the first position of the record.

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

The file is organized sequentially by station numbers. Each station contains a variable number of location, environmental, comment and bird census records.

- 3. ATTRIBUTES AS EXPRESSED IN**
- |                                  |                                |                                |
|----------------------------------|--------------------------------|--------------------------------|
| <input type="checkbox"/> PL-1    | <input type="checkbox"/> ALGOL | <input type="checkbox"/> COBOL |
| <input type="checkbox"/> FORTRAN | <input type="checkbox"/> _____ | LANGUAGE                       |

**4. RESPONSIBLE COMPUTER SPECIALIST:**

NAME AND PHONE NUMBER Nancy H. Butowski 714-833-6060  
 ADDRESS U.C. Irvine, Irvine, CA. 92717

**COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE**

<p><b>5. RECORDING MODE</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> BCD</td> <td><input type="checkbox"/> BINARY</td> </tr> <tr> <td><input type="checkbox"/> ASCII</td> <td><input type="checkbox"/> EBCDIC</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY	<input type="checkbox"/> ASCII	<input type="checkbox"/> EBCDIC	<input type="checkbox"/> _____		<p><b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b> <input type="checkbox"/> 3/4 INCH  <input type="checkbox"/> _____</p>		
<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY								
<input type="checkbox"/> ASCII	<input type="checkbox"/> EBCDIC								
<input type="checkbox"/> _____									
<p><b>6. NUMBER OF TRACKS (CHANNELS)</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> SEVEN</td> </tr> <tr> <td><input type="checkbox"/> NINE</td> </tr> <tr> <td><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> SEVEN	<input type="checkbox"/> NINE	<input type="checkbox"/> _____	<p><b>10. END OF FILE MARK</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> OCTAL 17</td> </tr> <tr> <td><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> OCTAL 17	<input type="checkbox"/> _____			
<input type="checkbox"/> SEVEN									
<input type="checkbox"/> NINE									
<input type="checkbox"/> _____									
<input type="checkbox"/> OCTAL 17									
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<p><b>7. PARITY</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> ODD</td> </tr> <tr> <td><input type="checkbox"/> EVEN</td> </tr> </table>	<input type="checkbox"/> ODD	<input type="checkbox"/> EVEN	<p><b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b></p>						
<input type="checkbox"/> ODD									
<input type="checkbox"/> EVEN									
<p><b>8. DENSITY</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> 200 BPI</td> <td><input type="checkbox"/> 1600 BPI</td> </tr> <tr> <td><input type="checkbox"/> 556 BPI</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 800 BPI</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> 200 BPI	<input type="checkbox"/> 1600 BPI	<input type="checkbox"/> 556 BPI		<input type="checkbox"/> 800 BPI		<input type="checkbox"/> _____		<p><b>12. PHYSICAL BLOCK LENGTH IN BYTES</b></p>
<input type="checkbox"/> 200 BPI	<input type="checkbox"/> 1600 BPI								
<input type="checkbox"/> 556 BPI									
<input type="checkbox"/> 800 BPI									
<input type="checkbox"/> _____									
	<p><b>13. LENGTH OF BYTES IN BITS</b></p>								

# RECORD FORMAT DESCRIPTION

RECORD NAME \_\_\_\_\_

FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		

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		NUMBER	UNITS		

### 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 CALI- BRATED  (✓)
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	

**DATA DOCUMENTATION FORM**

TR 7602

NOAA FORM 24-13  
(4-77)

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
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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

George L. Hunt  
University of California Irvine  
Irvine, CA 92717  
714-833-6322

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

PROBES

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

UCI381

4. PLATFORM NAME(S)

T.G. Thompson

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

research ship

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
U.S.A.	U.S.A.

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
4/29/81	5/25/81

8. ARE DATA PROPRIETARY?

NO  YES

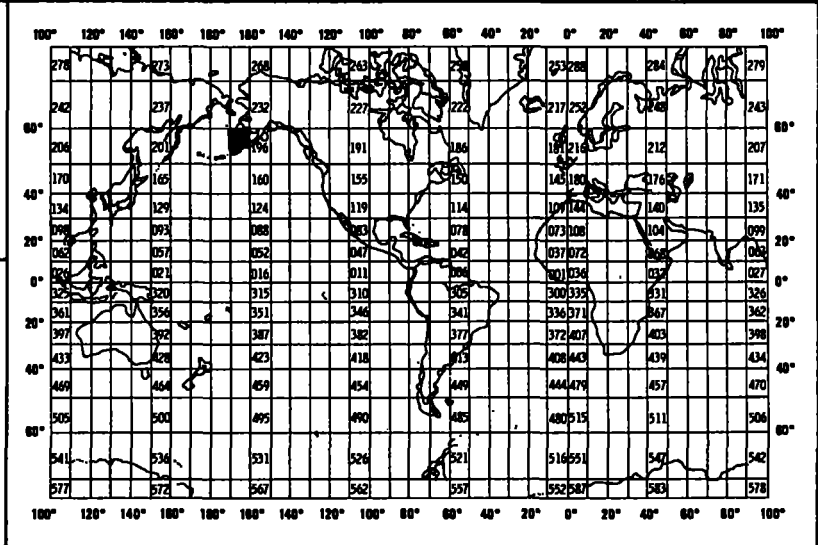
IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR \_\_\_\_\_ MONTH \_\_\_\_\_

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR 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?)

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)

George L. Hunt  
U.C. Irvine  
Irvine, CA 92717  
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## B. SCIENTIFIC CONTENT

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speed	whole knots	" "		
latitude and longitude	degrees, minutes and seconds	" "		
transect width	tens of meters	" "		
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barometric pressure	tenths of millibars	" "		
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swell height	tenths of meters	" " " "		
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glare intensity	NODC code 0035	determined by ship's crew/observer		
glare area	NODC code 0034	" "		
distance to shore	whole nautical miles	" "		
distance to shelf	whole nautical miles	" "		
time	in minutes from transect start	" "		
taxonomic code	NODC code	" "		
age class	NODC code 0112	" "		
color	NODC code 0115	" "		
plumage	NODC code 0043	" "		
# of individuals		" "		
count method	NODC code 0097	" "		
reliability	NODC code 0044	" "		
distance measurement	NODC code 0118	" "		
distance to birds	tens of meters	" "		
flight direction	tens of meters	" "		
behavior	NODC code 0142	" "		
habitat	NODC code 0098	" "		

## C. DATA FORMAT

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**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**

There are four different record types in this file:

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- 2) environmental record
- 4) comment record
- 5) bird census record

The records are distinguishable by the number in the first position of the record.

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

The file is organized sequentially by station numbers. Each station contains a variable number of location, environmental, comment, and bird census records.

**3. ATTRIBUTES AS EXPRESSED IN**     PL-1     ALGOL     COBOL  
 FORTRAN     \_\_\_\_\_ LANGUAGE

**4. RESPONSIBLE COMPUTER SPECIALIST:**

NAME AND PHONE NUMBER Nancy Harrison 714-833-6060  
 ADDRESS U.C. Irvine, Irvine, CA 92717

**COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE**

<p><b>5. RECORDING MODE</b></p> <p><input type="checkbox"/> BCD    <input type="checkbox"/> BINARY  <input type="checkbox"/> ASCII    <input type="checkbox"/> EBCDIC  <input type="checkbox"/> _____</p>	<p><b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b>    <input type="checkbox"/> 3/4 INCH  <input type="checkbox"/> _____</p>
<p><b>6. NUMBER OF TRACKS (CHANNELS)</b></p> <p><input type="checkbox"/> SEVEN  <input type="checkbox"/> NINE  <input type="checkbox"/> _____</p>	<p><b>10. END OF FILE MARK</b></p> <p><input type="checkbox"/> OCTAL 17  <input type="checkbox"/> _____</p>
<p><b>7. PARITY</b></p> <p><input type="checkbox"/> ODD  <input type="checkbox"/> EVEN</p>	<p><b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b></p>
<p><b>8. DENSITY</b></p> <p><input type="checkbox"/> 200 BPI    <input type="checkbox"/> 1600 BPI  <input type="checkbox"/> 556 BPI  <input type="checkbox"/> 800 BPI  <input type="checkbox"/> _____</p>	<p><b>12. PHYSICAL BLOCK LENGTH IN BYTES</b></p>
	<p><b>13. LENGTH OF BYTES IN BITS</b></p>

# RECORD FORMAT DESCRIPTION

RECORD NAME \_\_\_\_\_

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ <i>(e.g., bits, bytes)</i>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
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### 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 CALI- BRATED  (✓)
		YOUR ORGANIZATION  (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS  (✓)	BEFORE OR AFTER USE  (✓)	BEFORE AND AFTER USE  (✓)	ONLY AFTER REPAIR  (✓)	ONLY WHEN NEW  (✓)	

DATA DOCUMENTATION FORM

TR 7603

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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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			
George L. Hunt U.C. Irvine Irvine, CA. 92717 714-833-6322			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
PROBES		UC1781	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
Alpha Helix	research ship	US	US
		7. DATES	
		FROM: MO/DAY/YR	TO: MO/DAY/YR
		6/24/81	7/3/81
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) George L. Hunt U.C. Irvine Irvine, CA. 92717 (714-833-6322)			

## 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
<i>Salinity</i>	<i>‰</i>	<i>Nansen bottles</i>	<i>Inductive salinometer (Hytech model 5510)</i>	<i>N/A (Not applicable)</i>
		<i>STD Bissett-Berman Model 9006</i>	<i>N/A</i>	<i>Values averaged over 5-meter intervals</i>
<i>Water color</i>	<i>Forel scale</i>	<i>Visual comparison with Forel bottles</i>	<i>N/A</i>	<i>N/A</i>
<i>Sediment size</i>	<i>φ units and percent by weight</i>	<i>Ewing corer</i>	<i>Standard sieves Carbonate fraction removed by acid treatment</i>	<i>Same as "Sedimentary Rock Manual," Folk '65</i>

(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
station number	alphanumeric			
time & date	GMT	ship's instruments		
course	tens of degrees	" "		
speed	whole knots	" "		
latitude & longitude	hours, minutes & seconds	" "		
transect width	tens of meters	" "		
depth to bottom	whole meters	" "		
surface temp.	tenths of degrees celsius	" "		
wind direction	NODC code 0110	" "		
wind speed	whole knots	" "		
sea state	NODC code 0109	determined by ship's crew/observer		
weather	NODC code 0159	" "		
visibility	NODC code 0157	" "		
distance to shore	whole nautical miles	" "		
distance to shelf	whole nautical miles	" "		
time	in minutes from transect start	" "		
taxonomic code	NODC code	" "		

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
age class	NODC code 0112	determined by observer		
sex	NODC code 0101	" "		
color	NODC code 0115	" "		
plumage	NODC code 0043	" "		
# of individuals		" "		
count method	NODC code 0097	" "		
reliability	NODC code 0044	" "		
distance measure-		" "		
ment	NODC code 0118	" "		
distance to birds	tens of meters	" "		
flight direction	tens of degrees	" "		
behavior	NODC code 0147	" "		
habitat	NODC code 0098	" "		

## C. DATA FORMAT

**This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.**

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

### 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

There are four different record types in this file;

- 1) location record
- 2) environmental record
- 4) comment record
- 5) bird census record

The records are distintuishable by the number in the first postion of the record.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

The file is organized sequentially by station numbers. Each station contains a variable number of location, environmental, comment and bird census records.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Nancy H. Butowski 714-833-6060  
ADDRESS U.C. Irvine, Irvine, CA. 92717

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input 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 type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input 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>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input 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>13. LENGTH OF BYTES IN BITS</p>

# RECORD FORMAT DESCRIPTION

RECORD NAME \_\_\_\_\_

FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		

# RECORD FORMAT DESCRIPTION

RECORD NAME \_\_\_\_\_

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		

# RECORD FORMAT DESCRIPTION

RECORD NAME \_\_\_\_\_

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		

# RECORD FORMAT DESCRIPTION

RECORD NAME \_\_\_\_\_

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ <i>(e.g., bits, bytes)</i>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		



### 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 CALI- BRATED  (✓)
		YOUR ORGANIZATION  (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS  (✓)	BEFORE OR AFTER USE  (✓)	BEFORE AND AFTER USE  (✓)	ONLY AFTER REPAIR  (✓)	ONLY WHEN NEW  (✓)	

DATE:

TIME:

TIME:

SUBJECT: Error Correction in Processing of Data Set - Accession # 81-00667

1) File Type: 33

2) Project Ident.: PROBES

3) Track Nos.: 7601, 7602, 7603

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

1. Longitude (TRACK 7601, STA = ~~076004~~) - long changed from 1336600W to 1663300W.

2. Wind wave-Direction (TRACK 7603, STA, AH065) has value of 36. value deleted

III. Processor Name:

M. Lewis

PC OF FILE	TAPE NUMBER	TAB#	FIELD	REPT#	PLUM	REMARKS	# RECORDS
INITIATOR	PROBS2	NL	83	3320			
DUPLICATE	PROBS2C PROBS2C	NL	83	3320			
REFORMATTED							
FIRST USER							
FINAL USER							
WORK FILE	DSH					REMARKS	# RECORDS
WORK DISK FILE	DIS 773* F033. TR7601						10,212
EDITED DISK FILE							

DDF A: 4: 21

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 81-00667

- 1) File Type: 33
- 2) Project Ident.: PROBES
- 3) Track Nos.: 7601, 7602, 7603

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

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

Step	Completion Date/Init.	Type of Job	# of Files	BLKSIZE	LRECL	# RECORDS
ucI 281 381 781 ORIGINATOR TAPE #		PROBS2 PROBS2C	1	3320	83	
QUAD/SCAN TAPE #						
ASSIGNED FOR PROCESS.						
DDF EVALUATION						
QUALITY REVIEW						
PRELIMINARY DATA SORT						
PRELIMINARY MULCHK						
FIRST USER TAPE #						
WORK DISK FILE						
FINAL USER TAPE #						
FINAL MULCHK						
EDITED DISK FILE						
DATA SET "FINALIZED"						

SESSION/TRACK NO.: 81-00667

TR 7601, 7602, 7603

TYPE OF TAPE	TAPE NUMBER	TITLE	TRC	BUFSIZE	RECM	REMARKS	# RECORDS
ORIGINATOR	PROBS2	NL	83	3320			
DUPLICATE	PROBS2C	NL	83	3320			
REFORMATTED							
FIRST USER							
INITIAL USER							
DISK FILE	DSII					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

. Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8100667	F033	TR7603	0104	31W9	31HX	1981/06/24	UCI 781	315230
8100667	F033	TR7601	0104	31W9	31TT	1981/01/03	UCI 281	315228
8100667	F033	TR7602	0104	31W9	31TT	1981/04/29	UCI 381	315229

(3 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
8100667	F033	TR7603	31HX	393	5319	81/06/24	81/07/03
8100667	F033	TR7601	31TT	350	1871	81/01/03	81/04/24
8100667	F033	TR7602	31TT	367	3022	81/04/29	81/05/26

(3 rows affected)