

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 20235FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED			
Scripps Institution of Oceanography University of California La Jolla, CA 92093			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
NORPAX Hawaii/Tahiti Shuttle		3 tapes BUOY1 9 trk. BUOY2 800 bpi BUOY3 2R-80 BF-50	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Buoy	Buoy	USA USA	FROM: MO, DAY, YR TO: MO, DAY, YR
			2/2/79 12/17/80
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) Mr. William C. Patzert NORPAX Scripps Institution of Oceanography University of California La Jolla, CA 92093			

82-0002

January 27, 1982

TO: Nelson Ross

FM: Claudia Barton/William C. Patzert/Gerard J. McNally

RE: DRIFTING BUOY DATA FOR NODC

W.C. Patzert

The enclosed three magnetic tapes contain the raw drifting buoy data for four sets of drifting buoys deployed during the Hawaii/Tahiti Shuttle experiment (1979-1980). See attached data report.

The data consists of information transmitted from each buoy to an orbiting satellite. Data were received by two different systems:

- 1) RAMS (Random Access System) for all buoys of the set referred to as EDS1 and a few drifters of the set EDS2.
- 2) ARGOS of the Centre Spatial de Toulouse for the remaining drifters of EDS2, all the drifters of set EDS3 and EDS4.

Tapes 1 and 2 contain all the data received by ARGOS. Tape 3 contains all the data provided by RAMS. For each tape there is one file per drifter. The following table shows the contents of each tape.

TAPE 1		TAPE 2	TAPE 3
2800	2823	2826	702
2801	2824	2827	734
2802	2825	2828	745
2803	26 files	2829	1002
2804		2830	1034
2805		2831	1304
2806		2832	1332
2807		2833	1463
2808		2834	1561
2809		2835	1616
2810		2836	1667
2811		2837	1765
2812		2838	
2813		2839	
2814		2840	
2815		2841	
2816		2842	
2817		2843	
2818		2844	
2819			
2820			
2821			
2822			

The three tapes are written as follows:

9 track, 800 bpi, ASCII, odd parity
logical record size 80
blocking factor 50
no tape labels
tape 1: 26 files, tape 2: 19 files, tape 3: 12 files

Data format for tape 1 and 2:

-First record:

NUMEXP:	Experience number (Project number)	
NCAR :	Number of records for this platform	
NUMPF :	Platform number	
NC :	Number of 8-bit blocks in the sensor message	
JOJUL :	Julian day	
NAN :	The 2 last digits of the year	} Date of the location
JOUR :	Day in the year	
NHEU :	Hours (G.M.T.)	
MIN :	Minutes	
NSEC :	Seconds	
IDO :	Location index	
IBO :	Type of platform	
NSAT :	Satellite number (n°1 or n°2)	
IHIN :	Initial altitude	
IFIN :	Initial frequency	
ISEQ :	Record number (=1)	

-Second record

NUMEXP:	Experience number	
NLOC :	Location quality index	
PHI :	Latitude in degrees	
ALAM :	Longitude in degrees	
PHIP :	Speed in latitude in degrees/day	} or latitude and longitude of the second solution
ALAP :	Speed in longitude in degrees/day	
IH :	Altitude	
IF :	Transmission frequency	
ISEQ :	Record number (= 2)	

-Third record

NUMEXP:	Experience number	
JOJUL :	Julian day	
NHEU :	G.M.T. hour	} date of reception by the satellite of the following sensor data
MIN :	Minutes	
NSEC :	Seconds	
NF :	Number of identical messages received during this pass	
C1 :	Sensor 1	
Q1 :	Quality of sensor 1 (blank or ?)	
C2 :	Sensor 2	
Q2 :	"	
C3 :	"	
Q3 :	"	
C4 :	"	
Q4 :	"	
ISEQ :	Record number	

When the platform has more than 4 sensors, the data of the following sensors are transmitted according to the following format, in as many records as necessary:

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NUMEXP
C5
Q5
C6
Q6
C7
Q7
C8
Q8
ISEQ

```

The following messages of the same platform are transmitted beginning with the record n°3.

The information related to the next platform are transmitted, beginning with the record n°1.

Format for the reading of records

First record	I5,2X,I2,1X,I5,1X,I2,1X,I5,1X,I2,1X,I3,1X,I2,1X, I2,1X,I2,1X,I1,1X,I3,1X,I1,4X,I6,1X,I9,9X,A3
Second record	I5,5X,I2,3X,F8.3,1X,F8.3,1X,F8.3,1X,F8.3,2X, I6,1X,I9,9X,A3

Third record	I5,1X,I5,1X,I2,1X,I2,1X,I2,1X,I2,2X,A10,1X,A1, 1X,A10,1X,A1,1X,A10,1X,A1,1X,A10,1X,A1,1X,A3
Following records	I5,20X,A10,1X,A1,1X,A10,1X,A1,1X,A10,1X,A1,1X, A10,1X,A1,1X,A3

More information regarding the acquisition of this data set is available from the manual "ARGOS Platform Transmitter Terminals General Specifications" - Centre Spatial de Toulouse 18, Avenue Edouard Belin, 31055 TOULOUSE, FRANCE. A sample of the data is attached.

Data format for Tape 3:

The format for each record is:

I4	Buoy identification
2X	
I2	Year
2X	
I3	Day
1X	
I2	Hour
1X	
I2	Minute
2X	
F8.3	Latitude ($\pm 90^\circ$; + North, - South)
F8.3	Latitude of the second solution
F8.3	Longitude (0 to 360°)
F8.3	Longitude of the second solution
2X	
I4	Data word 1
I4	Data word 2
I4	Data word 3
I4	Data word 4
2X	
I6	Orbit number

A sample of the data is attached.

LEVEL-1 ABSTRACT

ACCESSION NUMBER: 8200021

REFERENCE NUMBER: L00786

FILE ALIAS: L156 Drifting Buoys, Surface

CRUISE DATES: 2/7/79 - 12/17/80

INSTITUTION: SIO La Jolla

PROJECT: IDOE/NORPAX

APPROXIMATE AREA: Hawaii - Tahiti

DATA MEDIUM: Magnetic tape

TAPE NUMBER:

NODC-VAX: D00367

DAMUS: W03473

FILE NAME: Non-Label

FILE SIZE:

RECORDS: 198,106

BYTES: 15,852,480

BLOCKSIZE: 4000

DESCRIPTION:

Drifting buoys deployed during the Hawaii/Tahiti shuttle experiment (1979-1980). Data consists of information transmitted from buoy to an orbiting satellite. Data received by ARGOS system of the Centre Spatial de Toulouse. Typical parameters for three records are: platform number, Julian date, time, location index, initial altitude, initial frequency, Lat/Long, speed in degrees/day, transmission frequency.

Unique No.: 192832

Date of Entry: 06/13/90

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY - DINDB)

Accession No.: 8200021 Reference No.: L00786
Former Accession No.: Former Reference No.: (Resub ONLY)

Media-In (DINDB): 09 - Digital Magnetic Tape
Exchange Format: E147 - Drifting Buoys, Surface
Processing Format: L156 - Level 1, No Active QA Processing

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

Country/Institute Code: 3101 Country/Platform Code: 317F
Platform Type (DINDB): 03 - Buoy Orig. Cruise ID:
Cruise Start Date: 02/07/79 Project Code: 0078
Cruise End Date: 12/17/80 Data Use Code (DUC): 3

Number of Stations: 26 Number of Records: 198,106

 If stations/records not appropriate then:

 Number: Units:

Ocean Area:

 Code 1: 57 Meaning: North Pacific Ocean
 Code 2: Meaning:
 Code 3: Meaning:

DINDB Transaction Date:

MISSION NO. 8200021

FILETYPE

TRACK NO. _____

PROJECT
IDENTIFICATION NORPAX

LEVEL I

DRIFTING BUOY

ZDOE

DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	RECORDS	NO.
TAPE 800BPI	✓	DD367 BUOY 1	26	80	4000	198,106	
TAPE TAPE 1600BPI	✓	DD3691 A01265	26	80	4000		
ATTACHED TAPE		W03473 NLW12347					
ATTACHED DISK		A01266 BUOY 2					
MULCHEK		W12346					
MULCHEK		A01267 BUOY 3					
OR F022		W12345					
ET FINALIZED							

REPORTED TO PRINCIPAL INVESTIGATOR: Data are binary -

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

S (TRACKS DELETED, FIELDS DELETED, ETC.)

DDF A:4:23

FR:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 82-00021

- 1) File Type: C104
- 2) Project Ident.: IDOE/NORPAX
- 3) Track Box: _____

I. Error Corrections as reported to Principal Investigator:

Error
34 files on Tape 3 instead of 12

Correction Completed? (check)
Letter confirmed use only 1st 12
Mr Jackson

II. Additional error corrections:

Error

Correction Completed? (check)

III. Processor Name: _____



SESSION/TRACK NO.: 82-00021

TYPE OF TAPE	TAPE NUMBER	TABLE	TRAIL	RECORDS	REMARKS	# RECORDS
ORIGINATOR	B40Y1	NL	80	4000	ASCII	3975 Bks
	B40Y2	NL	80	4000		3101 Bks
	B40Y3	NL	80	4000		34 Bks
DUPLICATE	B40Y1C	NL	80	4000		3975 Bks
	B40Y2C	NL	80	4000		3101 Bks
	B40Y3C	NL	80	4000		34 Bks
REFORMATTED						
FIRST USER						
SECONDARY USER						
DISK FILE	DSN				REMARKS	# RECORDS
WORK DISK FILE						
EDITED DISK FILE						

DR0691
LIBRARY USE ONLY

NODC TAPE SYSTEM ENTRY FORM
(All Fields Must Be Completed)

OWNER: D713MHJ

NAME: MAXINE H. JACKSON

TRACK: 79 PARITY: ODD EVEN LABEL: SL NL TAPE CATEGORY CODE: R

ORIGINATING REEL ID (IF APPLICABLE): BU0Y1 DENSITY: 800

RECORD FORMAT CODE: FB RECORD SIZE: 80 BLOCK SIZE: 4000

CHARACTER CODE: 1 TAPE FORMAT CODE: 9 DATA GENERATION CODE: 9

BRIEF DESCRIPTIVE TEXT: NORPAX Buoy data

82-00021

DATA CREATION DATE (IF KNOWN):

IF MULTI-REEL FILE, COMPLETE BELOW:

REEL POSITION WITHIN FILE SET: 1

PREVIOUS REEL: ~~BU0Y1~~

NEXT REEL: BU0Y2

FULLY QUALIFIED DATA SET NAME:

COMMENTS:

FOR FACILITIES REQUEST FORM

USER NAME HALMINSKI	PHONE # 673-5643	ORG/TASK #	DATE SUBMITTED 5/6/88	DATE DUE
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

1. COPY INPUT (IS 800 BPI)
2. SCAN OUTPUT

INPUT MEDIUM

PAPER CARD DISK TAPE
DISKETTE OTHER(SPECIFY)

8200021

OUTPUT MEDIUM

CARD DISK PRINT TAPE PLOT
DISKETTE OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE
INPUT	D00367		9	800	A	NL	FB	80	4000
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		
INPUT	W03473		9	1600		NL	FB	80	4000
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		

SPECIAL INSTRUCTIONS

NEED 'W' TAPE

ESTIMATED
EXECUTION
TIME

FOR USER ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PR DISKETTES USED, CARDS PUNCHED, CARDS KEYVERI
05/06/88	11:00	11:45	C	COMPLETED BY J.S.

OPERATOR NAME HALMINSKI	PHONE # 673-5643	ORG/TASK #	DATE SUBMITTED 11/5/87	DATE DUE	BY
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DEPARTMENT TO BE USED AND FUNCTION TO BE PERFORMED

Buoy

1. SCAN

INPUT MEDIUM

PAPER CARD DISK **TAPE**
DISKETTE OTHER(SPECIFY)

OUTPUT MEDIUM

CARD DISK PRINT TAPE PLOT
DISKETTE OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE
INPUT	D00367		9	800				80	4000
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME		
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		
OUTPUT	DISKETTE								
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		

SPECIAL INSTRUCTIONS

ESTIMATED
EXECUTION
TIME

31 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PR DISKETTES USED, CARDS PUNCHED, CARDS KEYVERI
5214551	11/15/87	09:25	09:35	C	COMPLETED BY J.S.

REMARKS