

Data Received: May 26, 1976

ACCESSION
NUMBER

77-0261

DDF A:1:01

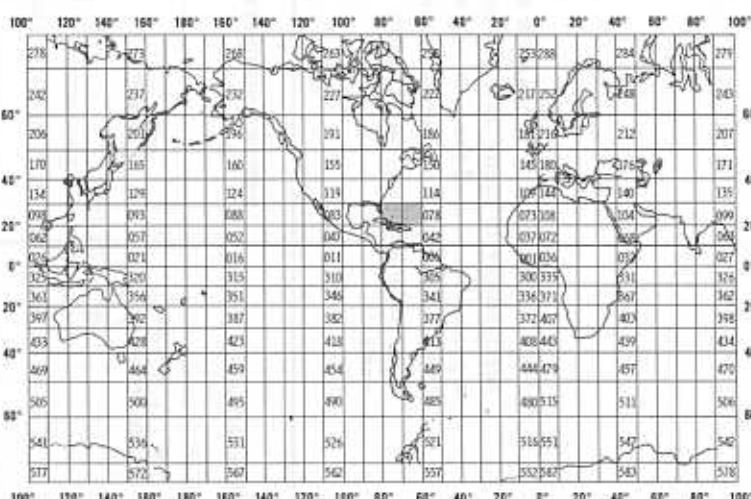
DATA DOCUMENTATION FORM

TR1656
L105NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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 University of California-San Diego Scripps Institution of Oceanography La Jolla, CA 92093											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED IDOE/MODE-1		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT _____									
4. PLATFORM NAME(S) _____	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Bottom-mounted instrument	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td>USA</td><td>USA</td></tr></tbody></table>	PLATFORM	OPERATOR	USA	USA	7. DATES <table border="1"><thead><tr><th>FROM: MO/DAY/YR</th><th>TO: MO/DAY/YR</th></tr></thead><tbody><tr><td>3/21/73</td><td>7/8/73</td></tr></tbody></table>	FROM: MO/DAY/YR	TO: MO/DAY/YR	3/21/73	7/8/73
PLATFORM	OPERATOR										
USA	USA										
FROM: MO/DAY/YR	TO: MO/DAY/YR										
3/21/73	7/8/73										
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) Dr. Charles S. Cox U. Cal-San Diego, SIO La Jolla, CA 92093 (714)452-3235 or -3232											

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
East and North horizontal components of electric field	-8 10 volts per meter	Scripps bottom-mounted recorders. Electrode reversal switching to remove electrode noise and residual voltage.		Data are averaged over 16 sec, reported at 64 s intervals.
References: Filloux, J., "Horizontal Electric Fields in the MODE-1 Area." IN: Instrument Description and Intercomparison of the MODE-1 Intercomparison Group, December, 1974, 173p., (unpublished manuscript). (The MODE Executive Office, 54-1417, M.I.T., Cambridge, MA 02139.) This reference contains the statement "1.0 μ V/m voltage is equivalent to approximately 0.3 cm/s barotropic velocity."				
Cox, C. S., J. Filloux, J. C. Larsen and D. Cayan, Mid-Ocean Dynamics Experiment (MODE-1)" 1977, 274p. MA 02139)				"Electromagnetic Observations." IN: "Atlas of the (The POLYMODE Office, 54-1417, M.I.T., Cambridge,

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

Data Record only (see attached list for dates and geographic positions).

Logical record length: undefined.

Block size: 3168.

Seven files total.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

No header record.

Data record: 256 East electric field component values followed by 256 North electric field component values, then a record (block) number, then 15 zero padding, all in (I6) format.

3. ATTRIBUTES AS EXPRESSED IN

☒ PL-1

☐ FORTRAN

☐ ALGOL

☐

☐ COBOL

LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

ADDRESS

Standard Label Tape DSN= ELECTRIC.FIELD

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

NODC Tape Copy= 013644

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" 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 type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/></p>	<p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/></p>
<p>7. PARITY</p> <p><input checked="" 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>77-0261 TR 1656</p> <p>IDOE/MODE-1</p> <p>BOTTOM MOUNTED</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" 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>3168</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
East Horizontal Electric Field Component (in -8 10 Volts/meter)	1		6		
	7		6		
	13		6		
	Repeated to position 1536		(Total of 256 values.)		
North Horizontal Electric Field Component (in -8 10 Volts/meter)	1537		6		
	Repeated to position 3072		(Total of 256 values.)		
Record Number (Block Number)	3073		6		
Zero Padding	3079		6		
	Repeated to position 3168		(15 zeros)		

MODE-I ELECTRIC FIELD OBSERVATIONS

BOTTOM MOUNTED RECORDERS

PART I - MARCH - MAY 1973

NODC/EDS

Magnetic Tape

File #	*Records/file	Station	Location		Tangent of Tilt		Time at which record starts Universal time*			
			Latitude	Longitude	up to north	up to east	Month	Day	Hour	Minute
1	272	1A	27°57.2'	69°39.9'	+0.027	+0.007	March	26	11	56 ± 30
2	206	1B	27°58.7'	69°33.7'	-.113	+0.013	March	26	11	52 ± 30
3	256	5	27°50.8'	70°40.1'	+0.007	+0.007	March	26	14	46 ± 30
4	272	20	27°08.7'	69°32.1'	0	0	March	20	18	45 ± 30

PART II - MAY - JULY 1973

5	251	1	27°57.8'	69°38.3'	0	+0.026	May	22	07	29 ± 30
6	288	5	27°51.2'	70°40.0'	+0.013	0	May	16	14	00 ± 30
7	288	20	27°08.5'	69°32.7'	-.013	+0.033	May	16	14	00 ± 30

Note: Relative starting times between stations are less uncertain than the stated ± 30 min.

*A "record" here is the same as a block of data.

