

DDF-B:1:12 DATA DOCUMENTATION FORM

MATT 53  
TR 1845

FORM 24-13

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.)

1073 ✓  
Log ✓

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.

Resubmission

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

NOAA/AOML/PHOL  
15 RICKENBACHER CSWY.  
Miami, Fla. 33149

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

RU #217 Hansen  
OCSEAP

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

056  
RU 217  
FILE ID 157676  
~~FILE ID AOML~~

4. PLATFORM NAME(S)

Drifting  
buoy

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

Buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

U.S. U.S.

7. DATES

FROM: MO, DAY, YR TO: MO, DAY, YR  
~~5/24/76 10/29/76~~  
10/21/76 11/11/76

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.

NEGOA  
GENERAL AREA  
MSA 195

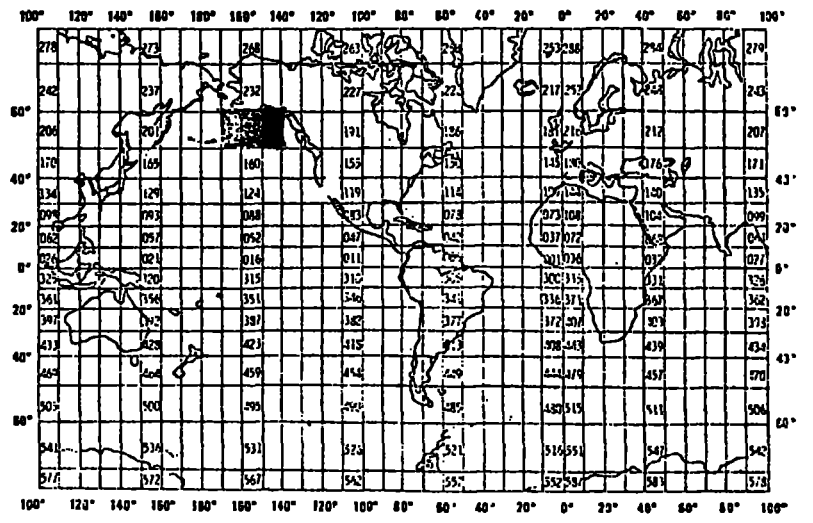
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(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)

Carol Cardwell



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
Latitude	deg., min., sec.	Nimbus 6 satellite	} Positions are not modified	Available upon request
Longitude	deg., min., sec.	Nimbus 6 satellite		
Obs. date	Calendar dates	} Timing by satellite observatory	N/A	N/A
Obs. time	G.M.T.			
Sea surface temp.	degrees Cent.	instantaneous readings from modulus 256 counter	$T = .1083 * R - 23.833$ $R = \text{sensor counter rate/day}$	Available
Wind speed	miles/hr	modulus 256 counter	$W = .37931 * RW$ $RW = \text{sensor counter rate/day}$	Upon
Progue Tension	lbs/in <sup>2</sup>	modulus 256 counter	$P = 1.3333 * RP - 554.666$ $RP = \text{sensor counter rate/day}$	request

C. DATA FORMAT

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

LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE  
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

ORIGINATOR

OCSEAP 056 Record type 1  
 & Record type 3

Identified by numeral in each byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Header records end with 4 blank bytes  
 Data records has 3 additional blanks at end

TRIBUTES AS EXPRESSED IN  PL-1  ALGOL  COBOL  
 FORTRAN  \_\_\_\_\_ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Carol Cardwell, NOAA/AOML/PhOL

ADDRESS 15 Rickenbacker Cswy., Miami, Fla. 33149

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 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 <input type="checkbox"/> OCTAL 17</p> <p>At end of data <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>AOML/NOAA Buoy Data Report                  NODC Format                  Gulf of Alaska and Bering Sea</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>_____</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>_____</p>

RECORD FORMAT DESCRIPTION

RECORD NAME 056 Lagrangian Current Measurement

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		
056	Data are recorded in NODC Format				as given by D781, Jan. 12, 1977.

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

USER TAPE

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

ADDRESS

D752-NOAA/EDS/NODC-2026347505  
WASHINGTON, DC 20235

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 checked="" 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 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>004305 (1,5L)</p> <p>DSN = TR1845</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>4350</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>87</p>

RECORD FORMAT DESCRIPTION

1-5-77

RECORD NAME Lagrangian Current Measurements (Header)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '056'
File Identifier	4	6	Bytes	I6	
Record Type	10	1	Bytes	A1	Always '1'
Platform Name	11	12	Bytes	A12	System acquiring the data
Platform Type	23	12	Bytes	A12	Design of system platform
Principal Investigator	35	12	Bytes	A12	
Start Date					
Year	47	2	Bytes	I2	00-99
Month	49	2	Bytes	I2	01-12
Day	51	2	Bytes	I2	01-31
End Date					
Year	53	2	Bytes	I2	00-99
Month	55	2	Bytes	I2	01-12
Day	57	2	Bytes	I2	01-31
Program Name	59	12	Bytes	A12	
Drogue Depth	71	5	Bytes	I5	Depth of sea anchor in meters
Drogue Type	76	5	Bytes	A5	
Blank	81	7	Bytes	7X	

} G.M.T.

RECORD FORMAT DESCRIPTION

RECORD NAME Lagrangian Current Measurement (Data Record)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	Bytes	A3	Always '056'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	A1	Always '3'
Buoy Identifier	11	4	Bytes	I4	Analogous to NODC Station Number
Sequence Number	15	4	Bytes	I4	Ascending order for sorting
Latitude					
Degrees	19	2	Bytes	I2	
Minutes	21	2	Bytes	I2	
Seconds	23	2	Bytes	I2	
Hemisphere	25	1	Bytes	A1	Always 'N' or 'S'
Longitude					
Degrees	26	3	Bytes	I3	
Minutes	29	2	Bytes	I2	
Seconds	31	2	Bytes	I2	
Hemisphere	33	1	Bytes	A1	Always 'E' or 'W'
Observation Date-Time					
Year	34	2	Bytes	I2	00-99
Month	36	2	Bytes	I2	01-12
Day	38	2	Bytes	I2	01-31
Hours	40	2	Bytes	I2	00-23
Minutes	42	2	Bytes	I2	00-59
Satellite Pass Code	44	1	Bytes	A1	'0' more than one orbit '9' only one orbit
Load Cell Tension	45	5	Bytes	I5	Tension of sea anchor in PSI to tenths

} G.M.T.

RECORD FORMAT DESCRIPTION

1-5-77

RECORD NAME Lagrangian Current Measurement (Data Record) Continued

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Sea Surface Temperature	50	5	Bytes	I5	°C to tenths
Wind Speed	55	5	Bytes	I5	Statute miles per hour to tenths
Compass Bearing of Surface Unit	60	4	Bytes	I4	Degrees to tenths
Depth of First Instrument	64	4	Bytes	I4	Whole meters
Current Speed	68	4	Bytes	I4	cm/sec to hundredths
Current Direction (relative to surface unit)	72	4	Bytes	I4	Degrees to tenths
Depth of Second Instrument	76	4	Bytes	I4	Whole meters
Current Speed at Second Instrument	80	4	Bytes	I4	cm/sec to hundredths
Current Direction (relative to surface unit)	84	4	Bytes	I4	Degrees to tenths



RECORD NAME Lagrangian Current Measurement (Data Record 2)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Type	1	3	Bytes	A3	Always '056'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	A1	Always '4'
Buoy Identifier	11	4	Bytes	I4	Analogous to NODC Station Number
Sequence Number	15	4	Bytes	I4	Ascending order for sorting
Latitude					
Degrees	19	2	Bytes	I2	
Minutes	21	2	Bytes	I2	
Seconds	23	2	Bytes	I2	
Hemisphere	25	1	Bytes	A1	Always 'N' or 'S'
Longitude					
Degrees	26	3	Bytes	I3	
Minutes	29	2	Bytes	I2	
Seconds	31	2	Bytes	I2	
Hemisphere	33	1	Bytes	A1	Always 'E' or 'W'
Observation Date-Time					
Year	34	2	Bytes	I2	00-99
Month	36	2	Bytes	I2	01-12
Day	38	2	Bytes	I2	01-31
Hours	40	2	Bytes	I2	00-23
Minutes	42	2	Bytes	I2	00-59
Satellite Pass Code	44	1	Bytes	A1	'0' more than one orbit '9' only one orbit

} G.M.T.

RECORD FORMAT DESCRIPTION

1-5-77

RECORD NAME Lagrangian Current Measurement (Data Record 2)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Atmospheric Pressure	45	6	Bytes	I6	Millibars to hundredths
Blank	51	37	Bytes	37X	



U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration

Aug. 29

To : Jim Ardelt

From: Mauri Pelto

The position data are  
"as reported." No filtering has  
been applied to the data  
in order to allow the user  
to determine his own, since there  
is no "standard" for performing  
such filtering.

Available on request therefore  
refer to filtering routines used  
by AOML when they process the  
data. - M.P.



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
ENVIRONMENTAL DATA SERVICE  
Washington, D.C. 20235  
National Oceanographic Data Center

Date :  
To : D781  
From : D752 *FR 11*  
Subject : Error Correction in Processing of  
Data Set - Accession # 77-0740

- 1) File Type: 056
- 2) Project Ident.: OCSEAP
- 3) Track Nos.: TR1845

I. Error corrections as reported to Principal Investigator:

II. Additional error corrections:

1. ORIGINATORS TAPE BLK 1 LRECL=84  
CHANGED TO LRECL=90 TO CONFORM WITH  
REMAINDER OF DATA
2. USERS TAPE <sup>LRECL, BKSIZE</sup> changed to conform with  
format (87 and 4350).

III. Processor name: \_\_\_\_\_



FILE # NUMBER TYPE ATTEMPTED COMPLETED TAPE # / FILE #  
 77-0740 056 NO. DAY BY NO. DAY BY (

1 ORG'S NUMBER ON ORIGINATOR TAPE | / : | / : | MATT53

2 COPY (BITS) TO BACKUP TAPE QUADRE | / : | / : | 013614

3 REFORMATTED TAPE ( IF REQUIRED ) | / : | / : |

4 USER TAPE GENERATION | 06' 07' EPPA | 06' 07' EPPA | 004305 | BIKSIZE 4350 | LREL 87

5 CHECK RUN (ERRORS) | 05' 26' EPPA | 05' 26' EPPA | 013614 | BIKSIZE 4350 | LREL 87

5 CHECK RUN (OK) | 06' 16' EPPA | 06' 16' EPPA | 004305 | BIKSIZE 4350 | LREL 87  
 DISTR 1945

6 CRUNCH TAPE FROM "USER" | / : | / : |

7 EVALUATION OF ORIGINATOR CCF | / : | 7' 13' MR

8 NAFIS COUNT PROGRAM RUN | / : | 6' 78' EPPA

9 DIP INVENTORY PROGRAM RUN | 07' 03' CFS | 07' 12' CFS | 004305 | BIKSIZE 4350 | LREL 87

156

SDF1 000793

SDF2 013792

ANSE 013824

TR 47, 124, 130-133, 441-446, 694, 945, 1087-1104, 1146-1161,

1555-1567, 1845, 1897-1904, 2382-2386, 2772, 2824-2834,

3474-3478, 3480

50,724

Accession no: 77-6740

T  
R  
1  
8  
4  
5

NSDCHEK \*\*\* NON-STANDARD DATA FIELD CHECKING PROGRAM  
THIS IS 03/15/78 VERSION WITH NUMERIC RANGE CHECKING

USER'S INPUT REQUESTS FOLLOW:  
LRECL HAS BEEN SPECIFIED AS 87  
STATION HEADER RECORD SPECIFIED AS 1  
RECORD TYPES FLAGGED FOR RETRIEVAL ARE = 134  
STATION STARTS IN POSITION 11 FOR 4 BYTES  
STATION WILL APPEAR ON RECORD TYPES : 3  
RECORD TYPE WILL BE TAKEN FROM COLUMN 10 OF THE INPUT RECORDS  
FILETYPE IS 056

NO OBVIOUS ERRORS FOUND IN TABLE GENERATION PHASE - SUCCESSFUL EXECUTION EXPECTED  
\*\*\*\*\*

056TR18451NJMBUS=6 DRIFT BUOY D.V.HANSEN 76102176111 DCSEAP/ 10PLANE  
?????

FIRST FILE ID  
\*\*\*\*\*

056TR184531576 1582659N1491724W761021 750 0 0 192  
?????

STATION NUMBER HAS CHANGED WITHOUT A MASTER  
THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERIC/M=MANDATORY NUMERIC

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED LOW HIGH	ACTUAL RANGE LOWEST HIGHEST	MEAN	S, DEV	COUNT
M	1	47	2	START YR	74 78	76 76	76.00	00	1
M	1	49	2	START MONTH	01 12	10 10	10.00	00	1
M	1	51	2	START DAY	01 31	21 21	21.00	00	1
M	1	53	2	END YR	74 78	76 76	76.00	00	1
M	1	55	2	END MONTH	01 12	11 11	11.00	00	1
M	1	57	2	END DAY	01 31	11 11	11.00	00	1
N	1	71	5	DROGUE DEPTH	00001 00400	10 10	10.00	00	1
N	3	15	4	SEQUENCE #	NO RANGE CHECKING	1 83	42.00	23.95	83
M	3	19	2	LATDEG	40 80	58 58	58.00	00	83
M	3	21	2	LATMIN	00 59	22 54	44.15	7.33	83
N	3	23	2	LATSEC	00 59	11 59	35.30	16.33	83
C	3	25	1	LATHEM	N N				
M	3	26	3	LONDEG	130 179	148 150	148.97	1.34	83
M	3	29	2	LONMIN	00 59	0 58	24.65	12.91	83
N	3	31	2	LONSEC	00 59	0 55	23.80	17.17	83
C	3	33	1	LONHEM	W W				
M	3	34	2	OBS YEAR	73 78	76 76	76.00	00	83
M	3	36	2	OBS MONTH	01 12	10 11	10.06	24	83
M	3	38	2	OBS DAY	01 31	10 30	24.39	4.47	83
M	3	40	2	OBS HOUR	00 23	0 22	14.25	4.89	83
N	3	42	2	OBS MINUTE	00 59	0 59	29.25	17.46	83
N	3	45	5	LOAD CELL TENSION	NO RANGE CHECKING	0 0	00	00	83
N	3	50	5	SEA SURFACE TEMP,	00000 00100	0 0	00	00	83
N	3	55	5	WIND SPEED	00000 01000	0 420	196.69	135.47	83
N	3	60	4	COMPASS BEARING	0000 3600	NO VALUES FOUND FOR THIS PARAMETER			
N	3	68	4	CURRENT SPEED 1	000 590	NO VALUES FOUND FOR THIS PARAMETER			
N	4	15	4	SEQUENCE #	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER			
M	4	19	2	OBS LATDEG	40 80	NO VALUES FOUND FOR THIS PARAMETER			
M	4	21	2	OBS LATMIN	00 59	NO VALUES FOUND FOR THIS PARAMETER			
N	4	23	2	OBS LATSEC	00 59	NO VALUES FOUND FOR THIS PARAMETER			
C	4	25	1	HEMLAT	N N				
M	4	26	3	OBS LONDEG	130 179	NO VALUES FOUND FOR THIS PARAMETER			
M	4	29	2	OBS LONMIN	00 59	NO VALUES FOUND FOR THIS PARAMETER			
N	4	31	2	OBS LONSEC	00 59	NO VALUES FOUND FOR THIS PARAMETER			
C	4	33	1	HEMLON	W W				

M	4	34	2	OBS YEAR	73	78	NO VALUES FOUND FOR THIS PARAMETER
M	4	36	2	OBS MONTH	01	12	NO VALUES FOUND FOR THIS PARAMETER
M	4	38	2	OBS DAY	01	31	NO VALUES FOUND FOR THIS PARAMETER
M	4	40	2	OBS HOUR	01	24	NO VALUES FOUND FOR THIS PARAMETER
N	4	42	2	OBS MINUTE	00	59	NO VALUES FOUND FOR THIS PARAMETER
N	4	45	6	ATMOSPHERIC PRESSURE	094390	105040	NO VALUES FOUND FOR THIS PARAMETER

RECORDS READ :

84



Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7700740	F156	TR1845	0081	311A	32DB	1976/10/21	RU217	304968

(1 row affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
7700740	F156	TR1845	32DB	2	85	76/10/21	76/11/11

(1 row affected)