

Unique No.: 190859

Date of Entry: 03/19/90

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY - DINDB)

Accession No.: 9000045 Reference No.: 741530
Former Accession No.: Former Reference No.: (Resub ONLY)

Media-In (DINDB): 09 - Digital Magnetic Tape

Exchange Format: E003 - Ocean Station Data (SD2-112 Byte)

Processing Format: C100 - Ocean Station Data (SD2 Format)

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

Country/Institute Code: 7400 Country/Platform Code: 74AB

Platform Type (DINDB): 09 - Ship Orig. Cruise ID: 25

Cruise Start Date: 07/18/87 Project Code: 0198

Cruise End Date: 08/14/87 Data Use Code (DUC): 3

Number of Stations: 116 Number of Records: 1,186

 If stations/records not appropriate then:

 Number: Units:

Ocean Area:

 Code 1: 45 Meaning: Indian Ocean

 Code 2: Meaning:

 Code 3: Meaning:

DINDB Transaction Date:

ACCESSION NO. 9000045FILETYPE C100

TRACK NO. _____

PROJECT
IDENTIFICATION MASAI

741529-1530

0198

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	NO. LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	1/31/90	FJM	A01103 *	2	-	-	-
DUPLICATE TAPE ^{DAMUS} DISK	3/8/90	FJM	**	2	-	-	-
REFORMATTED TAPE #1	3/15/90	R.P.S	W02860 ***	1	112	11200	1417
REFORMATTED DISK TAPE #2	3/15/90	R.P.S.	W07882 ****				
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

~~ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:~~

* TWO(2) VAX "SAVESET" FILES;

MASAI 1 & 2.

~~ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)~~** DAMUS DNODC*MASAI1.
DNODC*MASAI2.

*** LABEL DNODC*MAS1 STAOUT.

**** LABEL DNODC*MAS2 STAOUT.

~~COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)~~

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: *Data Acq. & Mgmt. Branch*

REFER TO

ATTENTION

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

ORDINARY
MAILREGISTERED
MAILAIR
MAILCERTIFIED
MAILGOVERNMENT
TRUCK

BY HAND



OTHER

1 magnetic tape containing 236 CTD casts (with oxygen) from the
R/V Charles Darwin. Data collected under NSF Grant OCE8513825.

1 DDF.

Project:

MASAI I* 12/20/86 to 1/18/87 (Charles Darwin 19)

MASAI II 7/17/87 to 8/15/87 (Charles Darwin 25)

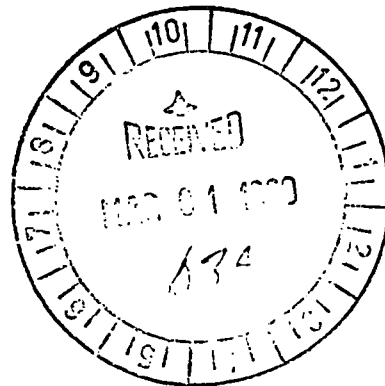
Country code = 74 (British ship) *741529*

Ship code = AB

Acknowledgement to:

Dr. Donald Olson
Rosenstiel School of Marine and Atmospheric Science
4600 Rickenbacker Causeway
Miami, FL 33149

*MASAI = Monsoon and Sea-Air Interaction.



90 000 45
A 0 11 03

FORWARDED BY (Signature)

John C. Swartz

TITLE

SELO

DATE FORWARDED

2-26-90

RECEIVED BY (Signature)

F. Mitchell

TITLE

DATE RECEIVED

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

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. 0648-0024
EXPIRES 2/29/87

(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			
University of Miami, Rosenstiel School of Marine and Atmospheric Science 4600 Rickenbacker Causeway Miami, Florida 33149			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
NSF Grant No. OCE8513825 MASAI I MASAI II		Charles Darwin 19 } 230 parts Charles Darwin 25	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Charles Darwin	Ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		UK US	12/20/86 1/18/87 7/17/87 8/15/87
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.	
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)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Dr. Donald B. Olson (305) 361-4074			

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
Salinity	PSU	Neil Brown CTD with oxygen probe		values averaged to 2m intervals
Temperature	Celsius	Bottle data (Niskin) All temperatures from CTD		Values averaged to 2m intervals
Sigma T	kg/m3	All calculations are 1981 international equasion of state		Values averaged to 2m intervals
Oxygen	ml/L	2 m data from probe modified Winkler on bottle. (WHOI analyst)		Values averaged to 2m intervals
Dynamic Depth Anomaly	Dyn meters			Values averaged to 2m intervals

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

Magnetic tape, NODC format

Attached

4. RESPONSIBLE COMPUTER SPECIALIST: Dr. Donald B. Olson, Univ. of Miami
NAME AND PHONE NUMBER
ADDRESS 4600 Rickenbacker Cswy, Miami, FL 33149

5. RECORDING MODE ☐ BCD ☐ BINARY ☒ ASCII ☐ EBCDIC ☐ _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH ☐ _____
6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE ☐ _____	10. END OF FILE MARK ☐ OCTAL 17 ☐ _____
7. PARITY ☐ ODD ☐ EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
8. DENSITY ☐ 200 BPI ☐ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ 6250 BPI ☐ _____	
	12. PHYSICAL BLOCK LENGTH IN BYTES
	13. LENGTH OF BYTES IN BITS

Listing of save set(s)

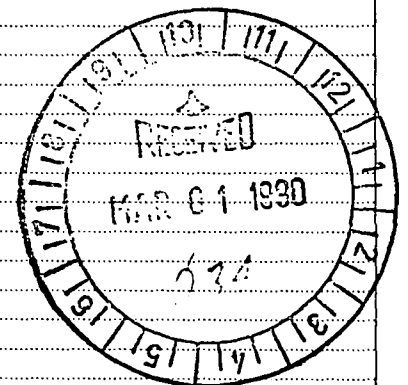
Save set: MASAI1.
Written by: KEARNS
UIC: [000220,000146]
Date: 31-JAN-1990 18:49:33.76
Command: BACKUP/LIS=MASAI1.LIS [MASAI1.NODC MSA:MASAI1./REW/LAB=MASAI_NODC/INTER
Operating system: VAX/VMS version V4.7
BACKUP version: V4.7
CPU ID register: 0A000002
Node name: -ARWIN:
Written on: -ARWIN\$MSAO:
Block size: 8192
Group size: 10
Buffer count: 3

[INDO.DARWINB6.CTD.NODC]MASAI1.NODC;1

21428 21-DEC-1989 17:48

Total of 1 file, 21428 blocks

End of save set.

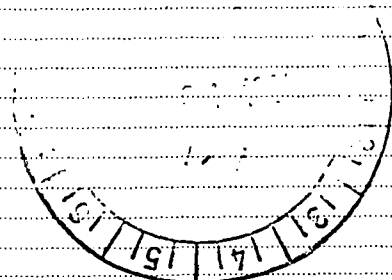


Listing of save set(s)
Save set: MASAI2.
Written by: KEARNS
UIC: [000220.000146]
Date: 31-JAN-1990 18:53:05.75
Command: BACKUP/LIS=MASAI2.LIS []MASAI2.NODC MSA:MASAI2./INTLR
Operating system: VAX/VMS version V4.7
BACKUP version: V4.7
CPU ID register: 0A000002
Node name: _ARWIN:
Written on: _ARWIN\$MSA0:
Block size: 8192
Group size: 10
Buffer count: 3

[INDO.DARWIN87.CTD.NODC]MASAI2.NODC;1 13350 20-DEC-1989 22:38

Total of 1 file, 13350 blocks

End of save set



9000045

749178-749179

NANSEN REF. #

MILITARY TRACK #

749178

TV4656

MONITOR: CONTACT

LOCATION OF F022 SOURCE

J. Frank

Archives TV4656

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

2

Change Day from 21 to 20

15

Change Day from 24 to 23

MP
5/22/90

NANSEN REF. #

749179

MILITARY TRACK #

TV4657

MONITOR: CONTACT

J. FRANK

LOCATION OF FO22 SOURCE

Archives (TV4657)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

3

BLANK TIME
(PREVIOUSLY 000)

MRL

4/25/90

Unique No.: 190865

Date of Entry: 03/19/90

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY - DINDB)

Accession No.: 9000045 Reference No.: 749178
Former Accession No.: Former Reference No.: (Resub ONLY)

Media-In (DINDB): 09 - Digital Magnetic Tape

Exchange Format: E001 - Low Resolution STD

Processing Format: C022 - Low Resolution STD (SD2 Format)

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

Country/Institute Code: 3125 Country/Platform Code: 74AB

Platform Type (DINDB): 09 - Ship Orig. Cruise ID: TV4656

Cruise Start Date: 12/20/86 Project Code: 0198

Cruise End Date: 01/17/87 Data Use Code (DUC): 3

Number of Stations: 116 Number of Records: 53,794

 If stations/records not appropriate then:

 Number: Units:

Ocean Area:

 Code 1: 39 Meaning: Arabian Sea
 Code 2: Meaning:
 Code 3: Meaning:

DINDB Transaction Date:

Unique No.: 190867

Date of Entry: 03/19/90

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY - DINDB)

Accession No.: 9000045 Reference No.: 749179
Former Accession No.: Former Reference No.: (Resub ONLY)

Media-In (DINDB): 09 - Digital Magnetic Tape

Exchange Format: E001 - Low Resolution STD

Processing Format: C022 - Low Resolution STD (SD2 Format)

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

Country/Institute Code: 3125 Country/Platform Code: 74AB

Platform Type (DINDB): 09 - Ship Orig. Cruise ID: TV4657

Cruise Start Date: 07/18/87 Project Code: 0198

Cruise End Date: 08/14/87 Data Use Code (DUC): 3

Number of Stations: 82 Number of Records: 32,158

 If stations/records not appropriate then:

 Number: Units:

Ocean Area:

 Code 1: 39 Meaning: Arabian Sea
 Code 2: Meaning:
 Code 3: Meaning:

DINDB Transaction Date:

ACCESSION NO. 9000045 FILETYPE FO80 TRACK NO. 749178-9 PROJECT IDENTIFICATION MASAI
 MASAI I-II - 86-87 II 87 TAPE OR DISK DSN TV 4656 - 4657

TEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	3/7/90	MEC	A01103*	2	120	-	32,158
DUPLICATE TAPE ^{DAMUS} DISK	3-12-90	FJM	DRIVE MASAI 1 **	2	-	-	-
REFORMATTED TAPE #1	3-15-90	RPS	W07271 ***	1	120	12000	1
REFORMATTED DISK TAPE #2	3-1590	RPS	W16703. ****	1	120	12000	53,794
FIRST MULCHEK							32,158
FINAL MULCHEK							
DPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

~~* SECOND FILE IS DNODC * MASAI 2~~

* TWO (2) VAX "SAVE SET"
FILES : MASAI 1 & 2

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

** DAMUS DISK
DNODC * MASAI 1
DNODC * MASAI 2

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

*** LABEL: DNODC * MASAI 1 OUT.
*** LABEL: DNODC * MASAI 2 OUT.

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: *Data Acq. & Mgmt Branch*

REFER TO

ATTENTION

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

ORDINARY
MAILREGISTERED
MAILAIR
MAILCERTIFIED
MAILGOVERNMENT
TRUCK

BY HAND



OTHER

1 magnetic tape containing 236 CTD casts (with oxygen) from the
R/V Charles Darwin. Data collected under NSF Grant OCE8513825.

1 DDF.

Project:

MASAI I* 12/20/86 to 1/18/87 (Charles Darwin 19)

MASAI II 7/17/87 to 8/15/87 (Charles Darwin 25)

Country code = 74 (British ship)

Ship code = AB

Acknowledgement to:

Dr. Donald Olson
Rosenstiel School of Marine and Atmospheric Science
4600 Rickenbacker Causeway
Miami, FL 33149

*MASAI = Monsoon and Sea-Air Interaction.



90 000 45
A 0 11 03

FORWARDED BY (Signature) <i>Alan C. Swartz</i>	TITLE SELO	DATE FORWARDED 2-26-90
RECEIVED BY (Signature) <i>F. Mitchell</i>	TITLE	DATE RECEIVED

ACCESSION
NUMBER

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

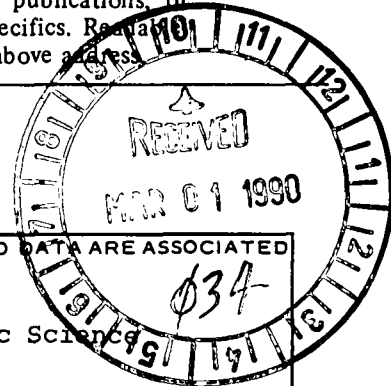
FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

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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			
University of Miami, Rosenstiel School of Marine and Atmospheric Science 4600 Rickenbacker Causeway Miami, Florida 33149			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
NSF Grant No. OCE8513825 MASAI I MASAI II		Charles Darwin 19 } 230 cruise Charles Darwin 25 }	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Charles Darwin	Ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		UK US	12/20/86 1/18/87 7/17/87 8/15/87
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.	
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)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Dr. Donald B. Olson (305) 361-4074			

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
Salinity	PSU	Neil Brown CTD with oxygen probe		values averaged to 2m intervals
Temperature	Celsius	Bottle data (Niskin) All temperatures from CTD		Values averaged to 2m intervals
Sigma T	kg/m3	All calculations are 1981 international equation of state		Values averaged to 2m intervals
Oxygen	ml/L	2 m data from probe modified Winkler on bottle. (WHOI analyst)		Values averaged to 2m intervals
Dynamic Depth Anomaly	Dyn meters			Values averaged to 2m intervals

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

Magnetic tape, NODC format

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Attached

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Dr. Donald B. Olson, Univ. of Miami
ADDRESS 4600 Rickenbacker Cswy, Miami, FL 33149

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE ☐ BCD ☐ BINARY ☒ ASCII ☐ EBCDIC ☐ _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH ☐ _____
	10. END OF FILE MARK ☐ OCTAL 17 ☐ _____
6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE ☐ _____	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
7. PARITY ☐ ODD ☐ EVEN	
8. DENSITY ☐ 200 BPI ☐ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ 6250 BPI ☐ _____	
12. PHYSICAL BLOCK LENGTH IN BYTES	
13. LENGTH OF BYTES IN BITS	

Listing of save set(s)

Save set: MASAI2.
Written by: KEARNS.
UIC: [000220,000146]
Date: 31-JAN-1990 18:53:05.75
Command: BACKUP/LIS=MASAI2.LIS []MASAI2.NODC MSA:MASAI2./INTER
Operating system: VAX/VMS version V4.7
BACKUP version: V4.7
CPU ID register: 0A000002
Node name: -ARWIN:
Written on: -ARWIN\$MSAO:
Block size: 8192
Group size: 10
Buffer count: 3

[INDO.DARWIN87.CTD.NODC]MASAI2.NODC,1

13350 20-DEC-1989 22:38

Total of 1 file, 13350 blocks
End of save set



Listing of save set(s)

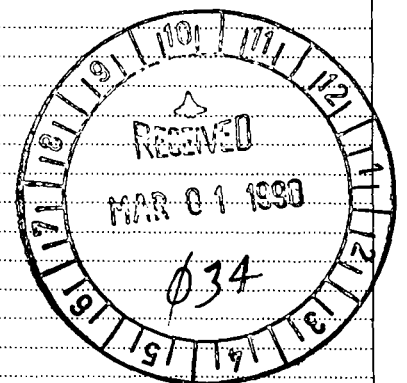
Save set: MASAIL.
Written by: KEARNS.
UTC: [000220,000146]
Date: 31-JAN-1990 18:49:33.76
Command: BACKUP/LIS-MASAIL.LIS []MASAIL.NODC MSA:MASAIL./REW/LAB=MASAI_NODC/INTER
Operating system: VAX/VMS version V4.7
BACKUP version: V4.7
CPU ID register: 0A000002
Node name: _ARWIN:
Written on: _ARWIN\$MSA0:
Block size: 8192
Group size: 10
Buffer count: 3

[INDO.DARWIN86.CTD.NODC]MASAIL.NODC,1

21428 21-DEC-1989 17:48

Total of 1 file, 21428 blocks

End of save set



Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
9000045	C100	741529	0198	7400	74AB	1986/12/20	19	190450
9000045	C100	741530	0198	7400	74AB	1987/07/18	25	190451
9000045	C022	749178	0198	3125	74AB	1986/12/20	TV4656	190452
9000045	C022	749179	0198	3125	74AB	1987/07/18	TV4657	190453
9000045	F022	TV4656	0198	3125	74AB	1986/12/20	19	190454
9000045	F022	TV4657	0198	3125	74AB	1987/07/18	25	190455

(6 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
9000045	C100	741529	74AB	109	109	86/12/20	87/01/17
9000045	C100	741530	74AB	116	116	87/07/18	87/08/14
9000045	C022	749178	74AB	116	226	86/12/20	87/01/17
9000045	C022	749179	74AB	82	155	87/07/18	87/08/14
9000045	F022	TV4656	74AB	116	53793	86/12/20	87/01/17
9000045	F022	TV4657	74AB	82	16721	87/07/18	87/08/14

(6 rows affected)