ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000209	TV5600	F015	0205	31F4	317F	G-130	03/18/87	08/08/87	1	3,448
9000209	TV5601	F015	0205	31F4	317F	E-130	03/14/87	08/14/87	1	3,673
9000209	TV5602	F015	0205	31F4	317F	G-400	03/17/87	08/08/87	1	3,457
9000209	TV5603	F015	0205	31F4	317F	E-400	03/15/87	08/14/87	1	3,630
9000209	TV5604	F015	0205	31F4	317F	E-400	03/15/87	08/14/87	1	3,631
9000209	TV5605	F015	0205	31F4	317F	G-400	03/17/87	08/08/87	1	3,456
9000209	TV5606	F015	0205	31F4	317F	E-400	03/15/87	08/14/87	1	3,632
9000209	TV5607	F015	0205	31F4	317F	G-400	03/17/87	08/08/87	1	3,457
9000209	TV5608	F015	0205	31F4	317F	E-60	03/13/87	04/11/87	1	682
9000209	TV5609	F015	0205	31F4	317F	E-90	03/20/87	08/08/87	1	3,390
9000209	TV5610	F015	0205	31F4	317F	E-90	03/20/87	08/08/87	1	3,399
9000209	TV5611	F015	0205	31F4	317F	E-400	03/14/87	05/16/87	1	1,521
9000209	TV5612	F015	0205	31F4	317F	E-400	06/19/87	07/12/87	1	573
9000209	TV5613	F015	0205	31F4	317F	G-60	03/18/87	08/05/87	1	3,370
9000209	TV5614	F015	0205	31F4	317F	G-130	03/18/87	04/12/87	1	602
9000209	TV5615	F015	0205	31F4	317F	G-400	03/18/87	08/08/87	1	3,431
9000209	TV5616	F015	0205	31F4	317F	K-130	03/15/87	04/30/87	1	1,117
9000209	TV5617	F015	0205	31F4	317F	E-130	08/17/87	01/12/88	1	3,572
9000209	TV5618	F015	0205	31F4	317F	E-130	01/12/88	03/15/88	1	1,508
9000209	TV5619	F015	0205	31F4	317F	K-130	03/12/88	08/29/88	1	4,071
9000209	TV5620	F015	0205	31F4	317F	K-400	03/12/88	08/29/88	1	4,068
9000209	TV5621	F015	0205	31F4	317F	E-400	03/15/88	08/31/88	1	4,077
9000209	TV5622	F015	0205	31F4	317F	V-400	03/18/88	08/16/88	1	3,625
9000209	TV5623	F015	0205	31F4	317F	V-130	03/18/88	08/16/88	1	3,626
9000209	TV5624	F015	0205	31F4	317F	C-400	05/01/88	08/19/88	1	2,647
9000209	TV5625	F015	0205	31F4	317F	C-90	03/20/88	08/18/88	1	3,637
9000209	TV5626	F015	0205	31F4	317F	K-400	03/13/88	08/28/88	1	4,047
9000209	TV5627	F015	0205	31F4	317F	E-400	03/15/88	08/31/88	1	4,077
9000209	TV5628	F015	0205	31F4	317F	V-400	05/03/88	08/15/88	1	2,510
9000209	TV5629	F015	0205	31F4	317F	C-400	03/20/88	08/19/88	1	2,389
9000209	TV5630	F015	0205	31F4	317F	K-400	03/13/88	08/28/88	1	4,032
9000209	TV5631	F015	0205	31F4	317F	K-400	03/13/88	08/28/88	1	4,050
9000209	TV5632	F015	0205	31F4	317F	E-400	03/15/88	08/31/88	1	4,065
9000209	TV5633	F015	0205	31F4	317F	E-400	03/15/88	08/31/88	1	4,077
9000209	TV5634	F015	0205	31F4	317F	V-400	03/18/88	04/14/88	1	629
9000209	TV5635	F015	0205	31F4	317F	V-400	05/03/88	08/15/88	1	2,504
9000209	TV5636	F015	0205	31F4	317F	V-400	05/03/88	08/15/88	1	2,510
9000209	TV5637	F015	0205	31F4	317F	C-400	03/20/88	08/19/88	1	3,666
9000209	TV5638	F015	0205	31F4	317F	C-400	03/20/88	08/19/88	1	3,667
9000209	TV5639	F015	0205	31F4	317F	E-60	03/15/88	08/30/88	1	4,043
9000209	TV5640	F015	0205	31F4	317F	E-90	03/15/88	08/30/88	1	4,045
9000209	TV5641	F015	0205	31F4	317F	E-90	03/15/88	08/30/88	1	4,045
9000209	TV5642	F015	0205	31F4	317F	K-60	03/13/88	08/12/88	1	3,660
9000209	TV5643	F015	0205	31F4	317F	K-90	03/13/88	08/29/88	1	4,058
9000209	TV5644	F015	0205	31F4	317F	K-90	03/13/88	08/29/88	1	4,058
9000209	TV5645	F015	0205	31F4	317F	K-90	03/13/88	08/29/88	1	4,058
9000209	TV5646	F015	0205	31F4	317F	K-130	03/12/88	08/29/88	1	4,069
9000209	TV5647	F015	0205	31F4	317F	G-90	03/18/88	08/22/88	1	3,771
9000209	TV5648	F015	0205	31F4	317F	G-90	03/18/88	08/22/88	1	3,771
9000209	TV5649	F015	0205	31F4	317F	G-90	03/18/88	08/22/88	1	3,771

9000209	TV5650	F015	0205	31F4	317F	V-130	03/18/88	08/16/88	1	3,624
9000209	TV5651	F015	0205	31F4	317F	V-90	03/18/88	08/16/88	1	3,611
9000209	TV5652	F015	0205	31F4	317F	V-90	03/18/88	08/16/88	1	3,611
9000209	TV5653	F015	0205	31F4	317F	V-60	03/18/88	08/16/88	1	3,616
9000209	TV5654	F015	0205	31F4	317F	C-130	03/19/88	08/19/88	1	3,667
9000209	TV5655	F015	0205	31F4	317F	C-90	03/20/88	08/18/88	1	3,635
9000209	TV5656	F015	0205	31F4	317F	C-90	03/20/88	08/18/88	1	3,635
9000209	TV5657	F015	0205	31F4	317F	C-60	03/20/88	08/18/88	1	3,636
9000209	TV5658	F015	0205	31F4	317F	K-400	08/28/88	03/04/89	1	4,501
9000209	TV5659	F015	0205	31F4	317F	K-400	08/28/88	03/04/89	1	4,498
9000209	TV5660	F015	0205	31F4	317F	G-90	08/22/88	09/17/88	1	629
9000209	TV5661	F015	0205	31F4	317F	C-400	08/19/88	11/09/88	1	1,971
9000209	TV5662	F015	0205	31F4	317F	V-400	08/15/88	02/21/89	1	4,562
9000209	TV5663	F015	0205	31F4	317F	C-400	08/19/88	02/19/89	1	4,409
9000209	TV5664	F015	0205	31F4	317F	E-400	09/01/88	03/07/89	1	4,482
9000209	TV5665	F015	0205	31F4	317F	K-400	08/28/88	11/26/88	1	2,164
9000209	TV5666	F015	0205	31F4	317F	K-400	08/28/88	02/17/89	1	4,126
9000209	TV5667	F015	0205	31F4	317F	E-400	09/01/88	12/20/88	1	2,654
9000209	TV5668	F015	0205	31F4	317F	E-400	09/01/88	12/26/88	1	2,805
9000209	TV5669	F015	0205	31F4	317F	C-400	08/19/88	02/14/89	1	4,251
9000209	TV5670	F015	0205	31F4	317F	C-400	08/19/88	11/13/88	1	2,064
9000209	TV5671	F015	0205	31F4	317F	V-400	08/15/88	01/20/89	1	3,562
9000209	TV5672	F015	0205	31F4	317F	V-400	08/15/88	01/18/89	1	3,698
9000209	TV5673	F015	0205	31F4	317F	E-90	08/30/88	03/07/89	1	4,523
9000209	TV5674	F015	0205	31F4	317F	K-60	08/29/88	03/04/89	1	4,498
9000209	TV5675	F015	0205	31F4	317F	K-90	08/29/88	03/04/89	1	4,492
9000209	TV5676	F015	0205	31F4	317F	K-90	08/29/88	03/04/89	1	4,492
9000209	TV5677	F015	0205	31F4	317F	K-90	08/29/88	03/04/89	1	4,492
9000209	TV5678	F015	0205	31F4	317F	K-130	08/29/88	03/04/89	1	4,493
9000209	TV5679	F015	0205	31F4	317F	K-130	08/29/88	03/04/89	1	4,493
9000209	TV5680	F015	0205	31F4	317F	E-90	08/30/88	12/09/88	1	2,430
9000209	TV5681	F015	0205	31F4	317F	G-90	08/22/88	02/24/89	1	4,467
9000209	TV5682	F015	0205	31F4	317F	G-90	08/22/88	02/24/89	1	4,467
9000209	TV5683	F015	0205	31F4	317F	V-60	08/14/88	02/21/89	1	4,574
9000209	TV5684	F015	0205	31F4	317F	V-90	08/15/88	02/21/89	1	4,572
9000209	TV5685	F015	0205	31F4	317F	V-90	08/15/88	02/21/89	1	4,572
9000209	TV5686	F015	0205	31F4	317F	V-90	08/15/88	02/21/89	1	4,572
9000209	TV5687	F015	0205	31F4	317F	V-130	08/15/88	02/21/89	1	4,571
9000209	TV5688	F015	0205	31F4	317F	V-130	08/15/88	02/21/89	1	4,571
9000209	TV5689	F015	0205	31F4	317F	C-60	08/18/88	02/18/89	1	4,412
9000209	TV5690	F015	0205	31F4	317F	C-90	08/18/88	02/18/89	1	4,409
9000209	TV5691	F015	0205	31F4	317F	C-90	08/18/88	02/18/89	1	4,409
9000209	TV5692	F015	0205	31F4	317F	C-90	08/18/88	02/18/89	1	4,409
9000209	TV5693	F015	0205	31F4	317F	C-130	08/19/88	02/18/89	1	4,405
9000209	TV5694	F015	0205	31F4	317F	V-90	02/21/89	07/30/89	1	3,812
9000209	TV5695	F015	0205	31F4	317F	E-400	03/07/89	10/25/89	1	5,580
9000209	TV5696	F015	0205	31F4	317F	K-400	03/04/89	10/16/89	1	5,447
9000209	TV5697	F015	0205	31F4	317F	C-90	02/18/89	07/26/89	1	3,799
9000209	TV5698	F015	0205	31F4	317F	C-400	02/18/89	10/20/89	1	5,872
9000209	TV5699	F015	0205	31F4	317F	C-400	02/18/89	09/07/89	1	4,812
9000209	TV5700	F015	0205	31F4	317F	E-400	03/07/89	09/14/89	1	4,595
9000209	TV5701	F015	0205	31F4	317F	K-400	03/04/89	09/11/89	1	4,596
9000209	TV5702	F015	0205	31F4	317F	E-400	03/07/89	09/13/89	1	4,569
9000209	TV5703	F015	0205	31F4	317F	K-400	03/04/89	08/03/89	1	3,648
9000209	TV5704	F015	0205	31F4	317F	V-400	02/21/89	09/09/89	1	4,816

9000209	TV5705	F015	0205	31F4	317F	C-90	02/18/89	10/20/89	1	5,863
9000209	TV5706	F015	0205	31F4	317F	C-90	02/18/89	10/20/89	1	5,863
9000209	TV5707	F015	0205	31F4	317F	C-130	02/18/89	10/20/89	1	5,867
9000209	TV5708	F015	0205	31F4	317F	E-60	03/06/89	05/11/89	1	1,587
9000209	TV5709	F015	0205	31F4	317F	E-90	03/06/89	10/31/89	1	5,731
9000209	TV5710	F015	0205	31F4	317F	E-90	03/06/89	10/31/89	1	5,731
9000209	TV5711	F015	0205	31F4	317F	E-90	03/06/89	10/31/89	1	5,731
9000209	TV5712	F015	0205	31F4	317F	K-60	03/03/89	10/25/89	1	5,650
9000209	TV5713	F015	0205	31F4	317F	K-90	03/03/89	10/25/89	1	5,649
9000209	TV5714	F015	0205	31F4	317F	K-90	03/03/89	10/25/89	1	5,649
9000209	TV5715	F015	0205	31F4	317F	K-130	03/04/89	10/25/89	1	5,650
9000209	TV5716	F015	0205	31F4	317F	V-130	02/21/89	10/22/89	1	5,826
9000209	TV5717	F015	0205	31F4	317F	V-130	02/21/89	10/22/89	1	5,828
9000209	TV5718	F015	0205	31F4	317F	G-90	02/16/89	08/13/89	1	2,137
9000209	TV5719	F015	0205	31F4	317F	V-400	02/24/89	05/07/89	1	679
9000209	TV5720	F015	0205	31F4	317F	C-60	02/18/89	10/20/89	1	5,858
9000209	TV5721	F015	0205	31F4	317F	V-60	02/22/89	10/22/89	1	5,813
9000209	TV5722	F015	0205	31F4	317F	V-90	02/21/89	10/22/89	1	5,832
9000209	TV5723	F015	0205	31F4	317F	K-90	03/04/89	05/15/89	1	1,742
9000209	TV5724	F015	0205	31F4	317F	V-90	02/22/89	05/09/89	1	1,828

ACCESSION NO. 9000209 FILETYPE [redacted] F015 TV5417-5541 TRACK NO. _____ PROJECT IDENTIFICATION MMS/ NO. CAL CIRC STUDY

[redacted]

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	9-25-90	FJM	A01257 *	191	50 60 120	12000	LOTS
DUPLICATE TAPE	10-2-90	FJM	W03445 *	↓	↓	↓	↓
REFORMATTED TAPE	10-31-90	R.P.S.	[redacted]	1	60	6000	480,765
REFORMATTED DISK			W04151 **				
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

~~ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:~~ * NO LABEL, ASCII, 6250 B.P.I.

** LABEL: DNODC.EGGCURROUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

DO'S P

NOAA FORM 24-5
(8-73)

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

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO:	REFER TO
National Oceanographic Data Ctr. 1825 Connecticut Ave., NW Washington, D.C. 20235	ATTENTION Dr. T. Picciolo

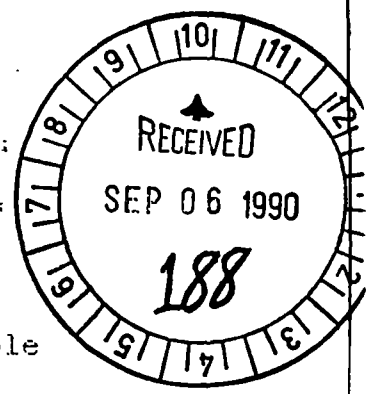
THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

☐ ORDINARY MAIL ☐ REGISTERED MAIL ☐ AIR MAIL ☐ CERTIFIED MAIL ☐ GOVERNMENT TRUCK ☐ BY HAND ☐ OTHER _____

The enclosed reel of magnetic tape contains 191 files for the Northern California Coastal Circulation Study (NCCCS). These data are released by Dr. Bruce A. Magnell, NCCCS Program Manager.

Acc # 9000209

FILES	DATA TYPE	FORMAT
01- 06	CTD	NODC F022
07- 15	XBT	NODC F022
16- 35	current meter	NODC F015
36- 40	pressure gage	NODC F017
41- 81	current meter	NODC F015
82- 89	pressure gage	NODC F017
90-129	current meter	NODC F015
130-138	pressure gage	NODC F017
139-172	current meter	NODC F015
173-178	pressure gage	NODC F017
179-185	underway thermosalinograph	see example
186-191	drifter data	see example



A01257

Sample dumps were made by this office to determine the readability of the tape.

a.. one reel of magnetic tape (BM8-200-001, 9 track, 6250 bpi, ASCII).
b.. cover letter.
c.. tape documentation.
d.. sample dump of file #1 and #16.

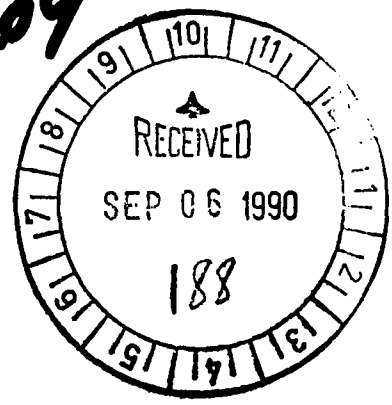
FORWARDED BY (Signature)	TITLE	DATE FORWARDED
R. Slagle [illegible]G/NOAA	NODC Service Center Rep.	09/04/90
RECEIVED BY (Signature)	**TITLE**	**DATE RECEIVED**

NOAA FORM 24-5 (8-73)

EG&G WASHINGTON ANALYTICAL SERVICES CENTER, INC.
OCEANOGRAPHIC SERVICES
237 Riverview Avenue, Waltham, Massachusetts 02154 • Tel (617) 891-7204 Fax (617) 891-5488

Acc# 9000209

August 30, 1990



Mr. George Heimerdinger
National Oceanographic Data Center
Northeast Liason Office
Woods Hole Oceanographic Institution
McLean Laboratory
Woods Hole, MA 02543

Subject: Data Transmittal

Reference: Northern California Coastal Circulation Study
Minerals Management Service Contract No. 14-12-001-30312

Dear George:

With this letter please find one (1) 9-track magnetic data tape in NODC format, containing all the NCCCS data, as required under the reference contract. Also enclosed is documentation of the tape's contents.

The data on this tape include the pilot program (March-August 1987) and all three main program deployments (March 1988-October 1989). All data have been passed through EG&G and/or Scripps quality assurance inspection, and are believed to be of high quality. However, we wish to point out the following deficiencies in several individual records from the final Main deployment (March-October 1989):

- Bottom pressure records from stations K-130 and V-60 contain gaps of several days duration. These gaps resulted from a software problem with the data transcription equipment at Scripps. Efforts are underway to recover the missing data, but could not be completed in time to meet the deliverable schedule. If the data can be recovered, EG&G will send another data tape containing the complete record(s).

- Bottom pressure data from station V-60 also exhibit a potential timing problem on the second part (after the gap). This also is under investigation at Scripps, and a corrected data set will be sent when the problem is resolved.

We have taken the liberty of sending this data tape to you, rather than to NODC's Southwest Liason Office as originally intended. We discovered recently that the liason position there is unoccupied.

2220 East 88th Avenue, Anchorage, Alaska 99507
Tel (907) 344-9333 Fax (907) 349-1413

Please do not hesitate to call Mr. Bruce Andrews at this office if you have any questions or need more information.

Sincerely,

EG&G WASC Oceanographic Services

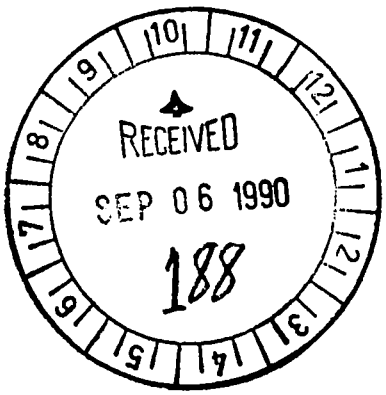
Bruce A. Magnell
Manager
Program Manager, NCCCS

Enclosure: 1 Data Tape
Tape Documentation

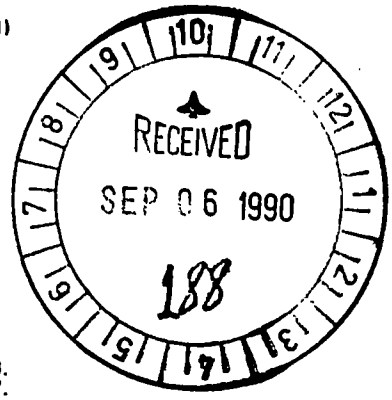
cc: S. Larson/MMS Pacific
J. Carlson/MMS CO Herndon
D. Johnson/MMS Herndon
C. Barton/WASC Contracts
BM8 File

Tape Documentation

The data are provided on an unlabeled, ASCII tape written at 6250 bpi. There are a total of 191 files on the tape, a listing of which follows. Files 1-6 contain CTD data in NODC file type 022 format. Files 7-15 contain XBT data in the same format. Current meter data from the pilot, first, second, and third main deployments are contained in files 16-35, 41-81, 90-129, and 139-172, respectively. Bottom pressure gauge data from these deployments is contained in files 36-40, 82-89, 130-138, and 173-178. The current meter data is in NODC file type 015 format and pressure gauge data in file type 017 format. Files 179-185 contain data from an underway thermosalinograph unit, and files 186-191 contain drifter data. Examples of the file structure used for these last two data types is enclosed (NODC does not have standard file types for these kinds of data).



Tape BM8-200-001 - 6250 bpi , unlabeled , ASCII data (page 1)



3847 records (length = 120, blocking factor = 100) of "nc1_f022_out" written to tape file #1.
5339 records (length = 120, blocking factor = 100) of "nc2_f022_out" written to tape file #2.
7363 records (length = 120, blocking factor = 100) of "nc3_f022_out" written to tape file #3.
7057 records (length = 120, blocking factor = 100) of "nc4_f022_out" written to tape file #4.
7722 records (length = 120, blocking factor = 100) of "nc5_f022_out" written to tape file #5.
8487 records (length = 120, blocking factor = 100) of "nc6_f022_out" written to tape file #6.
5995 records (length = 120, blocking factor = 100) of "nc7_f022_out" written to tape file #7.
4961 records (length = 120, blocking factor = 100) of "xc1_f022_out" written to tape file #8.
7480 records (length = 120, blocking factor = 100) of "xc2_f022_out" written to tape file #9.
7458 records (length = 120, blocking factor = 100) of "xc3_f022_out" written to tape file #10.
6631 records (length = 120, blocking factor = 100) of "xc4_f022_out" written to tape file #11.
7666 records (length = 120, blocking factor = 100) of "xc5_f022_out" written to tape file #12.
4700 records (length = 120, blocking factor = 100) of "xc6_f022_out" written to tape file #13.
3823 records (length = 120, blocking factor = 100) of "xc7_f022_out" written to tape file #14.
2547 records (length = 120, blocking factor = 100) of "xc9_f022_out" written to tape file #15.
3448 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409337" written to tape file #16.
3674 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409338" written to tape file #17.
3458 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409339" written to tape file #18.
3633 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409340" written to tape file #19.
3632 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409341" written to tape file #20.
3457 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409342" written to tape file #21.
3632 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409343" written to tape file #22.
3457 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409344" written to tape file #23.
3671 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409397" written to tape file #24.
3392 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409398" written to tape file #25.
3405 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409399" written to tape file #26.
1521 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409400" written to tape file #27.
573 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409401" written to tape file #28.
3370 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409402" written to tape file #29.
3441 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409404" written to tape file #30.
3431 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409405" written to tape file #31.
1477 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409406" written to tape file #32.
3517 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409421" written to tape file #33.
3573 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409432" written to tape file #34.
1508 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409435" written to tape file #35.
2605 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409407" written to tape file #36.
3491 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409408" written to tape file #37.
2732 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409409" written to tape file #38.
3393 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409410" written to tape file #39.
3474 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409411" written to tape file #40.
4072 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409505" written to tape file #41.
4074 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409506" written to tape file #42.
4077 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409507" written to tape file #43.
3625 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409508" written to tape file #44.
3627 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409509" written to tape file #45.
2648 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409510" written to tape file #46.
3638 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409511" written to tape file #47.
4054 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409512" written to tape file #48.
4077 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409513" written to tape file #49.
2512 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409514" written to tape file #50.
3666 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409515" written to tape file #51.
4053 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409516" written to tape file #52.
4054 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409517" written to tape file #53.
4072 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409518" written to tape file #54.
4077 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409519" written to tape file #55.
630 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409520" written to tape file #56.
2510 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409521" written to tape file #57.
2511 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409522" written to tape file #58.
3667 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409523" written to tape file #59.
3667 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409524" written to tape file #60.
4043 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409615" written to tape file #61.
4045 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409616" written to tape file #62.
4045 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409639" written to tape file #63.
3660 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409640" written to tape file #64.
4058 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409641" written to tape file #65.
4058 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409642" written to tape file #66.
4058 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409643" written to tape file #67.
4069 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409644" written to tape file #68.
3771 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409645" written to tape file #69.
3771 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409646" written to tape file #70.
3771 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409647" written to tape file #71.
3624 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409648" written to tape file #72.
3611 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409649" written to tape file #73.
3611 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409650" written to tape file #74.
3616 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409651" written to tape file #75.
3667 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409652" written to tape file #76.
3635 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409653" written to tape file #77.
3635 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409654" written to tape file #78.
3638 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409655" written to tape file #79.
4045 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409675" written to tape file #80.
3611 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409676" written to tape file #81.
4070 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409656" written to tape file #82.
2875 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409657" written to tape file #83.
4046 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409658" written to tape file #84.
3772 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409659" written to tape file #85.
3769 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409660" written to tape file #86.

Tape BM8-200-001 - 6250 bpi , unlabeled , ASCII data (page 2)

3617 records (length = 50, blocking factor = 240) of "node_f017_dsn409661" written to tape file #87.
3668 records (length = 50, blocking factor = 240) of "node_f017_dsn409662" written to tape file #88.
3052 records (length = 50, blocking factor = 240) of "node_f017_dsn409663" written to tape file #89.
4502 records (length = 60, blocking factor = 200) of "node_f015_dsn409580" written to tape file #90.
4498 records (length = 60, blocking factor = 200) of "node_f015_dsn409581" written to tape file #91.
4433 records (length = 60, blocking factor = 200) of "node_f015_dsn409583" written to tape file #92.
3941 records (length = 60, blocking factor = 200) of "node_f015_dsn409584" written to tape file #93.
4419 records (length = 60, blocking factor = 200) of "node_f015_dsn409585" written to tape file #94.
4563 records (length = 60, blocking factor = 200) of "node_f015_dsn409586" written to tape file #95.
4409 records (length = 60, blocking factor = 200) of "node_f015_dsn409587" written to tape file #96.
4488 records (length = 60, blocking factor = 200) of "node_f015_dsn409588" written to tape file #97.
2165 records (length = 60, blocking factor = 200) of "node_f015_dsn409589" written to tape file #98.
4146 records (length = 60, blocking factor = 200) of "node_f015_dsn409590" written to tape file #99.
2657 records (length = 60, blocking factor = 200) of "node_f015_dsn409591" written to tape file #100.
2806 records (length = 60, blocking factor = 200) of "node_f015_dsn409592" written to tape file #101.
4295 records (length = 60, blocking factor = 200) of "node_f015_dsn409593" written to tape file #102.
2335 records (length = 60, blocking factor = 200) of "node_f015_dsn409594" written to tape file #103.
3784 records (length = 60, blocking factor = 200) of "node_f015_dsn409595" written to tape file #104.
3736 records (length = 60, blocking factor = 200) of "node_f015_dsn409596" written to tape file #105.
2458 records (length = 60, blocking factor = 200) of "node_f015_dsn409613" written to tape file #106.
4523 records (length = 60, blocking factor = 200) of "node_f015_dsn409614" written to tape file #107.
4498 records (length = 60, blocking factor = 200) of "node_f015_dsn409795" written to tape file #108.
4492 records (length = 60, blocking factor = 200) of "node_f015_dsn409796" written to tape file #109.
4492 records (length = 60, blocking factor = 200) of "node_f015_dsn409797" written to tape file #110.
4492 records (length = 60, blocking factor = 200) of "node_f015_dsn409798" written to tape file #111.
4493 records (length = 60, blocking factor = 200) of "node_f015_dsn409799" written to tape file #112.
4493 records (length = 60, blocking factor = 200) of "node_f015_dsn409800" written to tape file #113.
2430 records (length = 60, blocking factor = 200) of "node_f015_dsn409801" written to tape file #114.
4523 records (length = 60, blocking factor = 200) of "node_f015_dsn409802" written to tape file #115.
2909 records (length = 60, blocking factor = 200) of "node_f015_dsn409803" written to tape file #116.
4467 records (length = 60, blocking factor = 200) of "node_f015_dsn409804" written to tape file #117.
4467 records (length = 60, blocking factor = 200) of "node_f015_dsn409805" written to tape file #118.
4574 records (length = 60, blocking factor = 200) of "node_f015_dsn409806" written to tape file #119.
4572 records (length = 60, blocking factor = 200) of "node_f015_dsn409807" written to tape file #120.
4572 records (length = 60, blocking factor = 200) of "node_f015_dsn409808" written to tape file #121.
4572 records (length = 60, blocking factor = 200) of "node_f015_dsn409809" written to tape file #122.
4571 records (length = 60, blocking factor = 200) of "node_f015_dsn409810" written to tape file #123.
4571 records (length = 60, blocking factor = 200) of "node_f015_dsn409811" written to tape file #124.
4412 records (length = 60, blocking factor = 200) of "node_f015_dsn409812" written to tape file #125.
4409 records (length = 60, blocking factor = 200) of "node_f015_dsn409813" written to tape file #126.
4409 records (length = 60, blocking factor = 200) of "node_f015_dsn409814" written to tape file #127.
4409 records (length = 60, blocking factor = 200) of "node_f015_dsn409815" written to tape file #128.
4405 records (length = 60, blocking factor = 200) of "node_f015_dsn409816" written to tape file #129.
3282 records (length = 50, blocking factor = 240) of "node_f017_dsn409817" written to tape file #130.
4499 records (length = 50, blocking factor = 240) of "node_f017_dsn409818" written to tape file #131.
4524 records (length = 50, blocking factor = 240) of "node_f017_dsn409819" written to tape file #132.
4468 records (length = 50, blocking factor = 240) of "node_f017_dsn409820" written to tape file #133.
4376 records (length = 50, blocking factor = 240) of "node_f017_dsn409821" written to tape file #134.
4572 records (length = 50, blocking factor = 240) of "node_f017_dsn409822" written to tape file #135.
4575 records (length = 50, blocking factor = 240) of "node_f017_dsn409823" written to tape file #136.
4406 records (length = 50, blocking factor = 240) of "node_f017_dsn409824" written to tape file #137.
4413 records (length = 50, blocking factor = 240) of "node_f017_dsn409825" written to tape file #138.
3812 records (length = 60, blocking factor = 200) of "node_f015_dsn409780" written to tape file #139.
5580 records (length = 60, blocking factor = 200) of "node_f015_dsn409781" written to tape file #140.
5447 records (length = 60, blocking factor = 200) of "node_f015_dsn409782" written to tape file #141.
3799 records (length = 60, blocking factor = 200) of "node_f015_dsn409783" written to tape file #142.
5653 records (length = 60, blocking factor = 200) of "node_f015_dsn409784" written to tape file #143.
5873 records (length = 60, blocking factor = 200) of "node_f015_dsn409785" written to tape file #144.
5600 records (length = 60, blocking factor = 200) of "node_f015_dsn409786" written to tape file #145.
4824 records (length = 60, blocking factor = 200) of "node_f015_dsn409787" written to tape file #146.
4596 records (length = 60, blocking factor = 200) of "node_f015_dsn409789" written to tape file #147.
4598 records (length = 60, blocking factor = 200) of "node_f015_dsn409790" written to tape file #148.
4570 records (length = 60, blocking factor = 200) of "node_f015_dsn409791" written to tape file #149.
3683 records (length = 60, blocking factor = 200) of "node_f015_dsn409792" written to tape file #150.
4819 records (length = 60, blocking factor = 200) of "node_f015_dsn409856" written to tape file #151.
5863 records (length = 60, blocking factor = 200) of "node_f015_dsn409895" written to tape file #152.
5863 records (length = 60, blocking factor = 200) of "node_f015_dsn409896" written to tape file #153.
5867 records (length = 60, blocking factor = 200) of "node_f015_dsn409897" written to tape file #154.
1587 records (length = 60, blocking factor = 200) of "node_f015_dsn409898" written to tape file #155.
5731 records (length = 60, blocking factor = 200) of "node_f015_dsn409899" written to tape file #156.
5731 records (length = 60, blocking factor = 200) of "node_f015_dsn409900" written to tape file #157.
5731 records (length = 60, blocking factor = 200) of "node_f015_dsn409901" written to tape file #158.
5650 records (length = 60, blocking factor = 200) of "node_f015_dsn409902" written to tape file #159.
5649 records (length = 60, blocking factor = 200) of "node_f015_dsn409903" written to tape file #160.
5649 records (length = 60, blocking factor = 200) of "node_f015_dsn409904" written to tape file #161.
5650 records (length = 60, blocking factor = 200) of "node_f015_dsn409905" written to tape file #162.
5826 records (length = 60, blocking factor = 200) of "node_f015_dsn409906" written to tape file #163.
5828 records (length = 60, blocking factor = 200) of "node_f015_dsn409907" written to tape file #164.
4295 records (length = 60, blocking factor = 200) of "node_f015_dsn409922" written to tape file #165.
5620 records (length = 60, blocking factor = 200) of "node_f015_dsn409945" written to tape file #166.
1747 records (length = 60, blocking factor = 200) of "node_f015_dsn409949" written to tape file #167.
5860 records (length = 60, blocking factor = 200) of "node_f015_dsn409974" written to tape file #168.
5827 records (length = 60, blocking factor = 200) of "node_f015_dsn409975" written to tape file #169.
5832 records (length = 60, blocking factor = 200) of "node_f015_dsn409976" written to tape file #170.
1742 records (length = 60, blocking factor = 200) of "node_f015_dsn410004" written to tape file #171.
1828 records (length = 60, blocking factor = 200) of "node_f015_dsn410005" written to tape file #172.

Tape BM8-200-001 - 6250 bpi , unlabeled , ASCII data (page 3)

5651 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410007" written to tape file #173.
5587 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410008" written to tape file #174.
6234 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410009" written to tape file #175.
5828 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410010" written to tape file #176.
5829 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410011" written to tape file #177.
1962 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410012" written to tape file #178.
130 records (length = 50, blocking factor = 240) of "cruise1 thermosalinograph" written to tape file #179.
302 records (length = 50, blocking factor = 240) of "cruise2 thermosalinograph" written to tape file #180.
481 records (length = 50, blocking factor = 240) of "cruise3 thermosalinograph" written to tape file #181.
312 records (length = 50, blocking factor = 240) of "cruise4 thermosalinograph" written to tape file #182.
454 records (length = 50, blocking factor = 240) of "cruise5 thermosalinograph" written to tape file #183.
357 records (length = 50, blocking factor = 240) of "cruise6 thermosalinograph" written to tape file #184.
711 records (length = 50, blocking factor = 240) of "cruise7 thermosalinograph" written to tape file #185.
341 records (length = 120, blocking factor = 100) of "drifter survey1" written to tape file #186.
322 records (length = 120, blocking factor = 100) of "drifter survey2" written to tape file #187.
342 records (length = 120, blocking factor = 100) of "drifter survey3" written to tape file #188.
306 records (length = 120, blocking factor = 100) of "drifter survey4" written to tape file #189.
292 records (length = 120, blocking factor = 100) of "drifter survey5" written to tape file #190.
274 records (length = 120, blocking factor = 100) of "drifter survey6" written to tape file #191.

Sample Thermosalinograph Data

```
NCCCS Cruise 1 Thermosalinograph Data
870316 10.26 40.9023N 124.4551W 11.4566 32.6797
870317 18.95 40.9413N 124.4317W 11.4882 30.0470
870317 19.14 40.9157N 124.4461W 11.5345 30.7244
870317 19.31 40.8921N 124.4597W 11.4196 31.0350
870317 19.49 40.8680N 124.4704W 11.3415 31.8326
870317 19.66 40.8507N 124.4652W 11.4476 32.4591
870317 20.00 40.8505N 124.4765W 11.4096 32.4406
870317 20.18 40.8561N 124.4940W 11.3057 32.0097
870318  0.87 40.7949N 124.3464W 11.5953 32.5153
870318  1.10 40.7842N 124.3195W 11.5998 32.1665
870318  1.27 40.7800N 124.3008W 11.6281 30.8644
870318  2.13 40.7740N 124.3188W 11.5725 31.4454
870318  2.30 40.7878N 124.3288W 11.5614 31.9313
870318  4.56 40.8379N 124.4589W 11.3366 32.0282
870318  4.73 40.8472N 124.4790W 11.3151 32.1583
870318  4.90 40.8568N 124.4971W 11.3558 32.0692
870318  5.08 40.8665N 124.5156W 11.3711 32.0633
870318  5.25 40.8778N 124.5291W 11.4204 32.0523
870318  6.28 40.8715N 124.5620W 11.4118 32.2382
870318  6.45 40.8804N 124.5822W 11.4541 32.3565
870318  6.63 40.8898N 124.6011W 11.4161 32.4550
870318  6.80 40.9003N 124.6190W 11.4058 32.5015
870318  6.97 40.9115N 124.6322W 11.4359 32.4691
870318  8.35 40.9075N 124.6541W 11.4629 32.4274
870318  8.52 40.9174N 124.6731W 11.5904 32.5257
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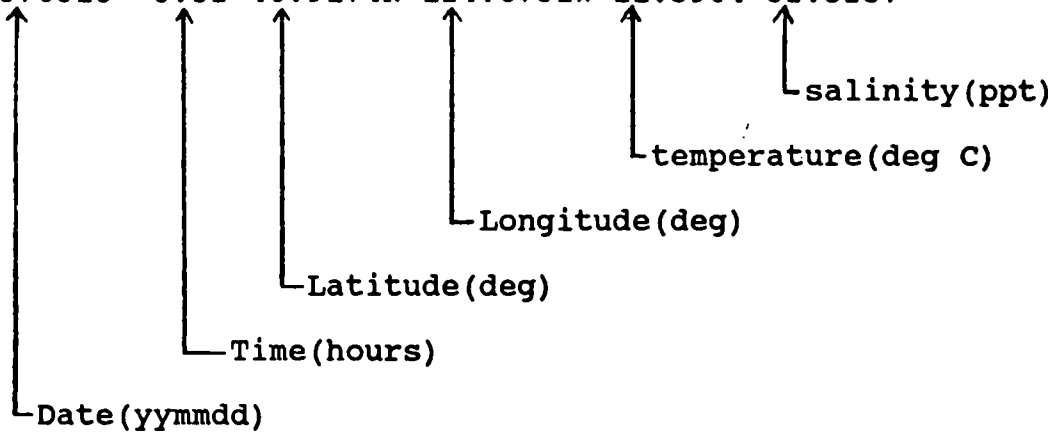


Sample Drifter Data

NCCCS Drifter Survey 1 - March 1987

ID	JDAY	LAT	LON	SPEED	DIR	DISPL	TDW	TDX	TDY	FNU	QL	QC	LOG NOTES
01	72.549	40.80183	-124.31614	0.0	0.0	0.	14795.6	27378.5	0.0	000	2	1	Deployment
01	72.726	40.80407	-124.30761	5.0	70.9	762.	14795.9	27379.9	0.0	000	2	1	
01	72.974	40.87073	-124.27303	37.2	21.5	7956.	14772.4	27397.8	0.0	000	3	1	
01	73.316	40.88682	-124.26630	6.3	17.6	1875.	14766.5	27402.0	0.0	000	2	1	
01	73.681	40.91416	-124.22562	14.5	48.5	4579.	14760.5	27412.4	0.0	000	2	1	
01	73.976	40.86460	-124.27682	27.4	218.1	6994.	14774.5	27396.1	0.0	000	3	1	
01	74.326	40.85633	-124.35132	21.0	261.7	6348.	14767.1	27385.9	0.0	000	2	1	
01	74.679	40.83088	-124.30637	15.5	126.7	4729.	14784.6	27385.6	0.0	000	2	1	
01	74.992	40.72092	-124.42596	58.7	219.6	15844.	14813.5	27350.1	0.0	000	3	1	
01	75.326	40.65550	-124.51465	36.1	225.9	10439.	14827.4	27328.2	0.0	000	2	1	
01	75.719	40.51856	-124.60248	49.9	206.1	16928.	14869.6	27292.7	0.0	000	2	1	
01	75.983	40.45871	-124.69192	44.2	228.8	10083.	14879.6	27273.5	0.0	000	3	0	
01	76.802	40.23193	-124.60408	37.1	163.5	26264.	14980.9	27235.2	0.0	000	3	0	
01	77.389	39.97942	-124.44932	61.1	154.7	30988.	15100.4	27194.5	0.0	000	2	0	Fouled in kelp
01	77.867	39.89563	-124.41120	23.8	160.7	9856.	15137.0	27179.8	0.0	000	3	0	
01	78.423	39.82906	-124.45866	17.6	208.8	8434.	15152.5	27164.4	0.0	000	3	0	Fouled in kelp (?)
01	78.894	39.78036	-124.58525	29.7	243.5	12115.	15148.1	27149.6	0.0	000	3	0	
01	79.537	39.75222	-124.75836	27.3	258.2	15159.	15128.7	27138.2	0.0	000	2	0	Fouled in kelp
01	79.985	39.72593	-124.77173	8.1	201.4	3136.	15135.4	27133.3	0.0	000	3	0	
01	80.595	39.54584	-124.78251	38.0	182.7	20017.	15193.4	27104.0	0.0	000	2	0	Fouled in kelp
01	81.050	39.43929	-124.71850	33.2	155.0	13048.	15238.4	27089.0	0.0	000	3	0	
01	81.631	39.43098	-124.54436	29.9	93.5	15021.	15271.1	27090.8	0.0	000	2	0	Clear of kelp
ID	JDAY	LAT	LON	SPEED	DIR	DISPL	TDW	TDX	TDY	FNU	QL	QC	LOG NOTES
02	72.553	40.82467	-124.37366	0.0	0.0	0.	14777.4	27377.0	0.0	000	2	1	Deployment
02	72.728	40.83219	-124.36193	8.5	49.8	1295.	14775.9	27379.8	0.0	000	2	1	
02	72.976	40.90818	-124.31893	43.0	23.2	9184.	14749.4	27400.3	0.0	000	3	1	
02	73.318	40.91625	-124.30084	6.0	59.5	1768.	14748.5	27404.0	0.0	000	2	1	
02	73.682	40.90162	-124.27983	7.6	132.5	2402.	14758.1	27403.5	0.0	000	2	1	
02	73.976	40.85801	-124.32986	25.2	221.1	6422.	14769.5	27388.6	0.0	000	3	1	
02	74.329	40.84386	-124.42195	26.0	258.6	7923.	14762.1	27375.6	0.0	000	2	1	
02	74.685	40.81891	-124.43581	9.8	202.9	3007.	14770.7	27369.1	0.0	000	2	1	
02	74.995	40.74682	-124.47319	32.2	201.5	8605.	14795.5	27350.7	0.0	000	3	1	
02	75.331	40.65384	-124.54141	40.7	209.2	11827.	14824.1	27325.4	0.0	000	2	0	Near front, fouled in
02	75.715	40.54062	-124.60505	41.2	203.2	13677.	14860.4	27296.9	0.0	000	2	0	Near front, clear of k

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000209	319957	C022	0205	31F4	31O7	TV5141	03/09/87	03/19/87	63	3,784
9000209	319958	C022	0205	31F4	31O7	TV5142	08/09/87	08/18/87	79	5,260
9000209	319959	C022	0205	31F4	31O7	TV5143	03/13/88	03/26/88	94	7,269
9000209	319960	C022	0205	31F4	31O7	TV5144	08/16/88	08/31/88	98	6,959
9000209	319961	C022	0205	31F4	31O7	TV5145	02/19/89	03/08/89	106	7,616
9000209	319962	C022	0205	31F4	31O7	TV5146	05/04/89	05/11/89	77	5,795
9000209	319963	C022	0205	31F4	31O7	TV5243	10/19/89	11/01/89	82	5,913
9000209	329630	C022	0205	31F4	32WC	TV5242	05/06/89	05/08/89	20	2,595

ACCESSION NO. 9000209 FILETYPE ~~[illegible]~~ C022 TRACK NO. _____ PROJECT IDENTIFICATION MMS/ NO. CAL CIRC. STUDY

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	9-25-90	FJM	A01257 *	191	50 60 120	12000	LOTS
DUPLICATE TAPE	10-2-90	FJM	W03445 *	↓	↓	↓	↓
REFORMATTED TAPE	10-31-90	R.P.S.	W01423 **	1	120	12000	45,200
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: NO LABEL, ASCII, 6250 B.P.I.

** LABEL = DNODC*EGGCTDOUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

NAUSEN REF #
319957

MULDAPS TRACK #
72 514

MONITOR: CONTACT
M.R. Lewis

LOCATION OF F022 SOURCE
archives

RECORD ALL ERRORS FOUND

CONSEC(S)	ERRORS FOUND
	None

NAISEL REF #
319958

MULDARS TRACK #
TU5142

MONITOR/ CONTACT
M Lewis

LOCATION OF FU22 SOUR
ARCHIVES

RECORD ALL ERRORS FOUND

CONSEC(S)	ERRORS FOUND
060	~~[illegible]~~ Change time from 002 to 020

MH
5/22/91

NALSEN REF #
3199597

MULDAPS/TRACK #
71514-3

MONITOR/ CONTACT
M. Lewis

LOCATION OF PUZZ SOUR
Archives

RECORD ALL ERRORS FOUND

CONSEC(S)	ERRORS FOUND
	None

NANSEN REF #
319960

MULDARS TRACK #
TU5144

MONITOR/CONTACT
M Lewis

LOCATION OF FUZZ SOURCE
Archives

RECORD ALL ERRORS FOUND

CONSEC(S)	ERRORS FOUND
	NONE

NAUSEN REF #
31:9961

MULDARS TRACK #
705145

MONITOR: CONTACT
MARY Lewis

LOCATION OF F022 SOURCE
Orlando

RECORD ALL ERRORS FOUND

CONSEC(S)	ERRORS FOUND
	NONE

WALSER REF # 319963

WILDERS TRACK # W5243

MONITOR: CONTACT # MARY LEWIS

LOCATION OF FY22 SOUR Archives

RECORD ALL ERRORS FOUND

CONSEC(S)	ERRORS FOUND
	NONE

HANSEN REF #
329630

MULDAPS TRACK #
TV5242

MONITORS CONTACT
MARY LEWIS

LOCATION OF F022 SOURCE
ARCHIVES

RECORD ALL ERRORS FOUND

CONSEC(S)	ERRORS FOUND
	None

NOAA FORM 24-5
(8-73)

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

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO:	REFER TO
National Oceanographic Data Ctr. 1825 Connecticut Ave., NW Washington, D.C. 20235	ATTENTION Dr. T. Picciolo

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

☐ ORDINARY MAIL ☐ REGISTERED MAIL ☐ AIR MAIL ☐ CERTIFIED MAIL ☐ GOVERNMENT TRUCK ☐ BY HAND ☐ OTHER

The enclosed reel of magnetic tape contains 191 files for the Northern California Coastal Circulation Study (NCCCS). These data are released by Dr. Bruce A. Magnell, NCCCS Program Manager.

Acc# 9000209

FILES	DATA TYPE	FORMAT
01- 06	CTD	NODC F022
07- 15	XBT	NODC F022
16- 35	current meter	NODC F015
36- 40	pressure gage	NODC F017
41- 81	current meter	NODC F015
82- 89	pressure gage	NODC F017
90-129	current meter	NODC F015
130-138	pressure gage	NODC F017
139-172	current meter	NODC F015
173-178	pressure gage	NODC F017
179-185	underway thermosalinograph	see example
186-191	drifter data	see example

RECEIVED
SEP 06 1990
188

A01257

Sample dumps were made by this office to determine the readability of the tape.

a.. one reel of magnetic tape (BM8-200-001, 9 track, 6250 bpi, ASCII).
b.. cover letter.
c.. tape documentation.
d.. sample dump of file #1 and #16.

FORWARDED BY (Signature)	TITLE	DATE FORWARDED
R. Slagle [CTR]/NOAA	NODC Service Center Rep.	09/04/90
RECEIVED BY (Signature)	**TITLE**	**DATE RECEIVED**

NOAA FORM 24-5 (8-73)

EG&G WASHINGTON ANALYTICAL SERVICES CENTER, INC.
OCEANOGRAPHIC SERVICES
237 Riverview Avenue, Waltham, Massachusetts 02154 • Tel (617) 891-7204 Fax (617) 891-5488

Acc# 9000209

August 30, 1990

Mr. George Heimerdinger
National Oceanographic Data Center
Northeast Liason Office
Woods Hole Oceanographic Institution
McLean Laboratory
Woods Hole, MA 02543

Subject: Data Transmittal

Reference: Northern California Coastal Circulation Study
Minerals Management Service Contract No. 14-12-001-30312

Dear George:

With this letter please find one (1) 9-track magnetic data tape in NODC format, containing all the NCCCS data, as required under the reference contract. Also enclosed is documentation of the tape's contents.

The data on this tape include the pilot program (March-August 1987) and all three main program deployments (March 1988-October 1989). All data have been passed through EG&G and/or Scripps quality assurance inspection, and are believed to be of high quality. However, we wish to point out the following deficiencies in several individual records from the final Main deployment (March-October 1989):

- Bottom pressure records from stations K-130 and V-60 contain gaps of several days duration. These gaps resulted from a software problem with the data transcription equipment at Scripps. Efforts are underway to recover the missing data, but could not be completed in time to meet the deliverable schedule. If the data can be recovered, EG&G will send another data tape containing the complete record(s).

- Bottom pressure data from station V-60 also exhibit a potential timing problem on the second part (after the gap). This also is under investigation at Scripps, and a corrected data set will be sent when the problem is resolved.

We have taken the liberty of sending this data tape to you, rather than to NODC's Southwest Liason Office as originally intended. We discovered recently that the liason position there is unoccupied.

2220 East 88th Avenue, Anchorage, Alaska 99507
Tel (907) 344-9333 Fax (907) 349-1413

Please do not hesitate to call Mr. Bruce Andrews at this office if you have any questions or need more information.

Sincerely,

EG&G WASC Oceanographic Services

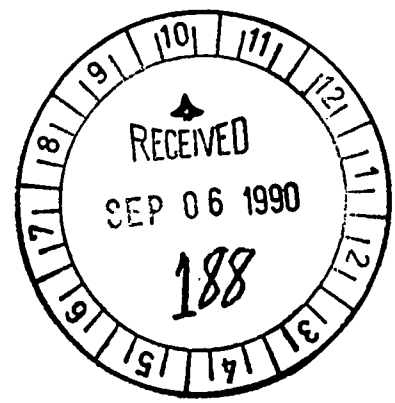
Bruce A. Magnell
Manager
Program Manager, NCCCS

Enclosure: 1 Data Tape
Tape Documentation

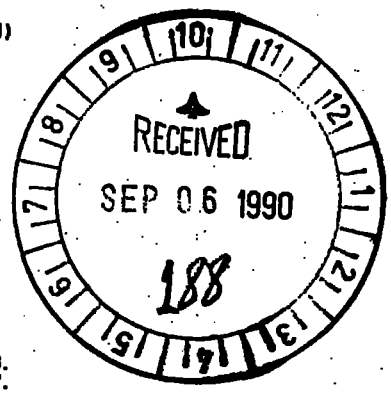
cc: S. Larson/MMS Pacific
J. Carlson/MMS CO Herndon
D. Johnson/MMS Herndon
C. Barton/WASC Contracts
BM8 File

Tape Documentation

The data are provided on an unlabeled, ASCII tape written at 6250 bpi. There are a total of 191 files on the tape, a listing of which follows. Files 1-6 contain CTD data in NODC file type 022 format. Files 7-15 contain XBT data in the same format. Current meter data from the pilot, first, second, and third main deployments are contained in files 16-35, 41-81, 90-129, and 139-172, respectively. Bottom pressure gauge data from these deployments is contained in files 36-40, 82-89, 130-138, and 173-178. The current meter data is in NODC file type 015 format and pressure gauge data in file type 017 format. Files 179-185 contain data from an underway thermosalinograph unit, and files 186-191 contain drifter data. Examples of the file structure used for these last two data types is enclosed (NODC does not have standard file types for these kinds of data).



Tape BM8-200-001 - 6250 bpi , unlabeled , ASCII data (page 1)



3847 records (length = 120, blocking factor = 100) of "nc1_f022_out" written to tape file #1.
5339 records (length = 120, blocking factor = 100) of "nc2_f022_out" written to tape file #2.
7363 records (length = 120, blocking factor = 100) of "nc3_f022_out" written to tape file #3.
7057 records (length = 120, blocking factor = 100) of "nc4_f022_out" written to tape file #4.
7722 records (length = 120, blocking factor = 100) of "nc5_f022_out" written to tape file #5.
8487 records (length = 120, blocking factor = 100) of "nc6_f022_out" written to tape file #6.
6995 records (length = 120, blocking factor = 100) of "nc7_f022_out" written to tape file #7.
4961 records (length = 120, blocking factor = 100) of "xc1_f022_out" written to tape file #8.
7480 records (length = 120, blocking factor = 100) of "xc2_f022_out" written to tape file #9.
7458 records (length = 120, blocking factor = 100) of "xc3_f022_out" written to tape file #10.
6631 records (length = 120, blocking factor = 100) of "xc4_f022_out" written to tape file #11.
7666 records (length = 120, blocking factor = 100) of "xc5_f022_out" written to tape file #12.
4700 records (length = 120, blocking factor = 100) of "xc6_f022_out" written to tape file #13.
3823 records (length = 120, blocking factor = 100) of "xc7_f022_out" written to tape file #14.
2547 records (length = 120, blocking factor = 100) of "xc8_f022_out" written to tape file #15.
3448 records (length = 60, blocking factor = 200) of "node_f015_dsn409337" written to tape file #16.
3674 records (length = 60, blocking factor = 200) of "node_f015_dsn409338" written to tape file #17.
3458 records (length = 60, blocking factor = 200) of "node_f015_dsn409339" written to tape file #18.
3633 records (length = 60, blocking factor = 200) of "node_f015_dsn409340" written to tape file #19.
3632 records (length = 60, blocking factor = 200) of "node_f015_dsn409341" written to tape file #20.
3457 records (length = 60, blocking factor = 200) of "node_f015_dsn409342" written to tape file #21.
3632 records (length = 60, blocking factor = 200) of "node_f015_dsn409343" written to tape file #22.
3457 records (length = 60, blocking factor = 200) of "node_f015_dsn409344" written to tape file #23.
3671 records (length = 60, blocking factor = 200) of "node_f015_dsn409397" written to tape file #24.
3392 records (length = 60, blocking factor = 200) of "node_f015_dsn409398" written to tape file #25.
3405 records (length = 60, blocking factor = 200) of "node_f015_dsn409399" written to tape file #26.
1521 records (length = 60, blocking factor = 200) of "node_f015_dsn409400" written to tape file #27.
573 records (length = 60, blocking factor = 200) of "node_f015_dsn409401" written to tape file #28.
3370 records (length = 60, blocking factor = 200) of "node_f015_dsn409402" written to tape file #29.
3441 records (length = 60, blocking factor = 200) of "node_f015_dsn409404" written to tape file #30.
3431 records (length = 60, blocking factor = 200) of "node_f015_dsn409405" written to tape file #31.
1477 records (length = 60, blocking factor = 200) of "node_f015_dsn409406" written to tape file #32.
3517 records (length = 60, blocking factor = 200) of "node_f015_dsn409421" written to tape file #33.
3573 records (length = 60, blocking factor = 200) of "node_f015_dsn409432" written to tape file #34.
1508 records (length = 60, blocking factor = 200) of "node_f015_dsn409435" written to tape file #35.
2605 records (length = 50, blocking factor = 240) of "node_f017_dsn409407" written to tape file #36.
3491 records (length = 50, blocking factor = 240) of "node_f017_dsn409408" written to tape file #37.
2732 records (length = 50, blocking factor = 240) of "node_f017_dsn409409" written to tape file #38.
3393 records (length = 50, blocking factor = 240) of "node_f017_dsn409410" written to tape file #39.
3474 records (length = 50, blocking factor = 240) of "node_f017_dsn409411" written to tape file #40.
4072 records (length = 60, blocking factor = 200) of "node_f015_dsn409505" written to tape file #41.
4074 records (length = 60, blocking factor = 200) of "node_f015_dsn409506" written to tape file #42.
4077 records (length = 60, blocking factor = 200) of "node_f015_dsn409507" written to tape file #43.
3625 records (length = 60, blocking factor = 200) of "node_f015_dsn409508" written to tape file #44.
3627 records (length = 60, blocking factor = 200) of "node_f015_dsn409509" written to tape file #45.
2648 records (length = 60, blocking factor = 200) of "node_f015_dsn409510" written to tape file #46.
3638 records (length = 60, blocking factor = 200) of "node_f015_dsn409511" written to tape file #47.
4054 records (length = 60, blocking factor = 200) of "node_f015_dsn409512" written to tape file #48.
4077 records (length = 60, blocking factor = 200) of "node_f015_dsn409513" written to tape file #49.
2512 records (length = 60, blocking factor = 200) of "node_f015_dsn409514" written to tape file #50.
3666 records (length = 60, blocking factor = 200) of "node_f015_dsn409515" written to tape file #51.
4053 records (length = 60, blocking factor = 200) of "node_f015_dsn409516" written to tape file #52.
4054 records (length = 60, blocking factor = 200) of "node_f015_dsn409517" written to tape file #53.
4072 records (length = 60, blocking factor = 200) of "node_f015_dsn409518" written to tape file #54.
4077 records (length = 60, blocking factor = 200) of "node_f015_dsn409519" written to tape file #55.
630 records (length = 60, blocking factor = 200) of "node_f015_dsn409520" written to tape file #56.
2510 records (length = 60, blocking factor = 200) of "node_f015_dsn409521" written to tape file #57.
2511 records (length = 60, blocking factor = 200) of "node_f015_dsn409522" written to tape file #58.
3667 records (length = 60, blocking factor = 200) of "node_f015_dsn409523" written to tape file #59.
3667 records (length = 60, blocking factor = 200) of "node_f015_dsn409524" written to tape file #60.
4043 records (length = 60, blocking factor = 200) of "node_f015_dsn409615" written to tape file #61.
4045 records (length = 60, blocking factor = 200) of "node_f015_dsn409616" written to tape file #62.
4045 records (length = 60, blocking factor = 200) of "node_f015_dsn409639" written to tape file #63.
3660 records (length = 60, blocking factor = 200) of "node_f015_dsn409640" written to tape file #64.
4058 records (length = 60, blocking factor = 200) of "node_f015_dsn409641" written to tape file #65.
4058 records (length = 60, blocking factor = 200) of "node_f015_dsn409642" written to tape file #66.
4058 records (length = 60, blocking factor = 200) of "node_f015_dsn409643" written to tape file #67.
4069 records (length = 60, blocking factor = 200) of "node_f015_dsn409644" written to tape file #68.
3771 records (length = 60, blocking factor = 200) of "node_f015_dsn409645" written to tape file #69.
3771 records (length = 60, blocking factor = 200) of "node_f015_dsn409646" written to tape file #70.
3771 records (length = 60, blocking factor = 200) of "node_f015_dsn409647" written to tape file #71.
3624 records (length = 60, blocking factor = 200) of "node_f015_dsn409648" written to tape file #72.
3611 records (length = 60, blocking factor = 200) of "node_f015_dsn409649" written to tape file #73.
3611 records (length = 60, blocking factor = 200) of "node_f015_dsn409650" written to tape file #74.
3616 records (length = 60, blocking factor = 200) of "node_f015_dsn409651" written to tape file #75.
3667 records (length = 60, blocking factor = 200) of "node_f015_dsn409652" written to tape file #76.
3635 records (length = 60, blocking factor = 200) of "node_f015_dsn409653" written to tape file #77.
3635 records (length = 60, blocking factor = 200) of "node_f015_dsn409654" written to tape file #78.
3636 records (length = 60, blocking factor = 200) of "node_f015_dsn409655" written to tape file #79.
4045 records (length = 60, blocking factor = 200) of "node_f015_dsn409675" written to tape file #80.
3611 records (length = 60, blocking factor = 200) of "node_f015_dsn409676" written to tape file #81.
4070 records (length = 50, blocking factor = 240) of "node_f017_dsn409656" written to tape file #82.
2875 records (length = 50, blocking factor = 240) of "node_f017_dsn409657" written to tape file #83.
4046 records (length = 50, blocking factor = 240) of "node_f017_dsn409658" written to tape file #84.
3772 records (length = 50, blocking factor = 240) of "node_f017_dsn409659" written to tape file #85.
3769 records (length = 50, blocking factor = 240) of "node_f017_dsn409660" written to tape file #86.

Tape BM8-200-001 - 6250 bpi , unlabeled , ASCII data

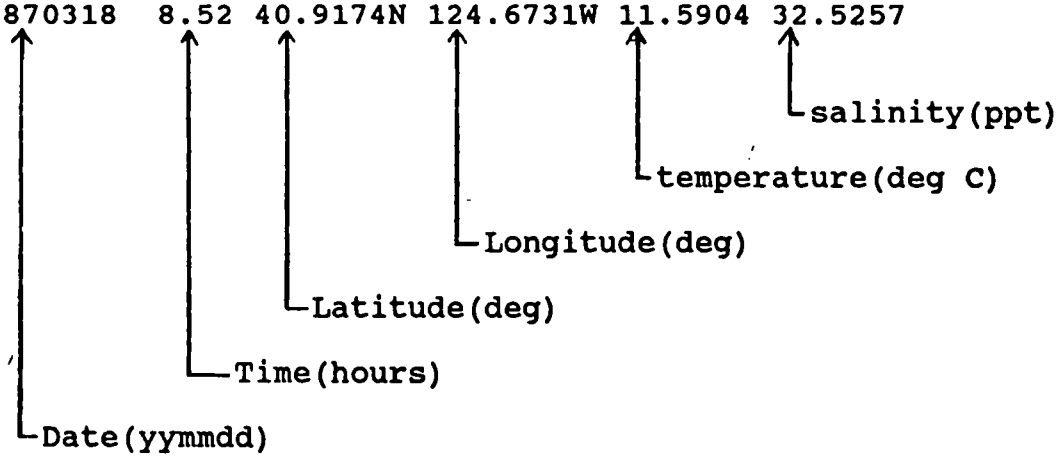
3617 records (length = 50, blocking factor = 240) of "node_f017_dsn409861" written to tape file #87.
3868 records (length = 50, blocking factor = 240) of "node_f017_dsn409862" written to tape file #88.
3052 records (length = 50, blocking factor = 240) of "node_f017_dsn409863" written to tape file #89.
4502 records (length = 60, blocking factor = 200) of "node_f015_dsn409580" written to tape file #90.
4498 records (length = 60, blocking factor = 200) of "node_f015_dsn409581" written to tape file #91.
4433 records (length = 60, blocking factor = 200) of "node_f015_dsn409583" written to tape file #92.
3941 records (length = 60, blocking factor = 200) of "node_f015_dsn409584" written to tape file #93.
4419 records (length = 60, blocking factor = 200) of "node_f015_dsn409585" written to tape file #94.
4563 records (length = 60, blocking factor = 200) of "node_f015_dsn409586" written to tape file #95.
4409 records (length = 60, blocking factor = 200) of "node_f015_dsn409587" written to tape file #96.
4489 records (length = 60, blocking factor = 200) of "node_f015_dsn409588" written to tape file #97.
2165 records (length = 60, blocking factor = 200) of "node_f015_dsn409589" written to tape file #98.
4146 records (length = 60, blocking factor = 200) of "node_f015_dsn409590" written to tape file #99.
2657 records (length = 60, blocking factor = 200) of "node_f015_dsn409591" written to tape file #100.
2806 records (length = 60, blocking factor = 200) of "node_f015_dsn409592" written to tape file #101.
4295 records (length = 60, blocking factor = 200) of "node_f015_dsn409593" written to tape file #102.
2335 records (length = 60, blocking factor = 200) of "node_f015_dsn409594" written to tape file #103.
3784 records (length = 60, blocking factor = 200) of "node_f015_dsn409595" written to tape file #104.
3736 records (length = 60, blocking factor = 200) of "node_f015_dsn409596" written to tape file #105.
2458 records (length = 60, blocking factor = 200) of "node_f015_dsn409613" written to tape file #106.
4523 records (length = 60, blocking factor = 200) of "node_f015_dsn409614" written to tape file #107.
4498 records (length = 60, blocking factor = 200) of "node_f015_dsn409795" written to tape file #108.
4492 records (length = 60, blocking factor = 200) of "node_f015_dsn409796" written to tape file #109.
4492 records (length = 60, blocking factor = 200) of "node_f015_dsn409797" written to tape file #110.
4492 records (length = 60, blocking factor = 200) of "node_f015_dsn409798" written to tape file #111.
4493 records (length = 60, blocking factor = 200) of "node_f015_dsn409799" written to tape file #112.
4493 records (length = 60, blocking factor = 200) of "node_f015_dsn409800" written to tape file #113.
2430 records (length = 60, blocking factor = 200) of "node_f015_dsn409801" written to tape file #114.
4523 records (length = 60, blocking factor = 200) of "node_f015_dsn409802" written to tape file #115.
2909 records (length = 60, blocking factor = 200) of "node_f015_dsn409803" written to tape file #116.
4467 records (length = 60, blocking factor = 200) of "node_f015_dsn409804" written to tape file #117.
4467 records (length = 60, blocking factor = 200) of "node_f015_dsn409805" written to tape file #118.
4574 records (length = 60, blocking factor = 200) of "node_f015_dsn409806" written to tape file #119.
4572 records (length = 60, blocking factor = 200) of "node_f015_dsn409807" written to tape file #120.
4572 records (length = 60, blocking factor = 200) of "node_f015_dsn409808" written to tape file #121.
4572 records (length = 60, blocking factor = 200) of "node_f015_dsn409809" written to tape file #122.
4571 records (length = 60, blocking factor = 200) of "node_f015_dsn409810" written to tape file #123.
4571 records (length = 60, blocking factor = 200) of "node_f015_dsn409811" written to tape file #124.
4412 records (length = 60, blocking factor = 200) of "node_f015_dsn409812" written to tape file #125.
4409 records (length = 60, blocking factor = 200) of "node_f015_dsn409813" written to tape file #126.
4409 records (length = 60, blocking factor = 200) of "node_f015_dsn409814" written to tape file #127.
4409 records (length = 60, blocking factor = 200) of "node_f015_dsn409815" written to tape file #128.
4405 records (length = 60, blocking factor = 200) of "node_f015_dsn409816" written to tape file #129.
3282 records (length = 50, blocking factor = 240) of "node_f017_dsn409817" written to tape file #130.
4499 records (length = 50, blocking factor = 240) of "node_f017_dsn409818" written to tape file #131.
4524 records (length = 50, blocking factor = 240) of "node_f017_dsn409819" written to tape file #132.
4468 records (length = 50, blocking factor = 240) of "node_f017_dsn409820" written to tape file #133.
4376 records (length = 50, blocking factor = 240) of "node_f017_dsn409821" written to tape file #134.
4572 records (length = 50, blocking factor = 240) of "node_f017_dsn409822" written to tape file #135.
4575 records (length = 50, blocking factor = 240) of "node_f017_dsn409823" written to tape file #136.
4406 records (length = 50, blocking factor = 240) of "node_f017_dsn409824" written to tape file #137.
4413 records (length = 50, blocking factor = 240) of "node_f017_dsn409825" written to tape file #138.
3812 records (length = 60, blocking factor = 200) of "node_f015_dsn409780" written to tape file #139.
5580 records (length = 60, blocking factor = 200) of "node_f015_dsn409781" written to tape file #140.
5447 records (length = 60, blocking factor = 200) of "node_f015_dsn409782" written to tape file #141.
3799 records (length = 60, blocking factor = 200) of "node_f015_dsn409783" written to tape file #142.
5653 records (length = 60, blocking factor = 200) of "node_f015_dsn409784" written to tape file #143.
5873 records (length = 60, blocking factor = 200) of "node_f015_dsn409785" written to tape file #144.
5600 records (length = 60, blocking factor = 200) of "node_f015_dsn409786" written to tape file #145.
4824 records (length = 60, blocking factor = 200) of "node_f015_dsn409787" written to tape file #146.
4596 records (length = 60, blocking factor = 200) of "node_f015_dsn409789" written to tape file #147.
4598 records (length = 60, blocking factor = 200) of "node_f015_dsn409790" written to tape file #148.
4570 records (length = 60, blocking factor = 200) of "node_f015_dsn409791" written to tape file #149.
3683 records (length = 60, blocking factor = 200) of "node_f015_dsn409792" written to tape file #150.
4819 records (length = 60, blocking factor = 200) of "node_f015_dsn409856" written to tape file #151.
5863 records (length = 60, blocking factor = 200) of "node_f015_dsn409895" written to tape file #152.
5863 records (length = 60, blocking factor = 200) of "node_f015_dsn409896" written to tape file #153.
5867 records (length = 60, blocking factor = 200) of "node_f015_dsn409897" written to tape file #154.
1587 records (length = 60, blocking factor = 200) of "node_f015_dsn409898" written to tape file #155.
5731 records (length = 60, blocking factor = 200) of "node_f015_dsn409899" written to tape file #156.
5731 records (length = 60, blocking factor = 200) of "node_f015_dsn409900" written to tape file #157.
5731 records (length = 60, blocking factor = 200) of "node_f015_dsn409901" written to tape file #158.
5650 records (length = 60, blocking factor = 200) of "node_f015_dsn409902" written to tape file #159.
5649 records (length = 60, blocking factor = 200) of "node_f015_dsn409903" written to tape file #160.
5649 records (length = 60, blocking factor = 200) of "node_f015_dsn409904" written to tape file #161.
5650 records (length = 60, blocking factor = 200) of "node_f015_dsn409905" written to tape file #162.
5826 records (length = 60, blocking factor = 200) of "node_f015_dsn409906" written to tape file #163.
5828 records (length = 60, blocking factor = 200) of "node_f015_dsn409907" written to tape file #164.
4295 records (length = 60, blocking factor = 200) of "node_f015_dsn409922" written to tape file #165.
5820 records (length = 60, blocking factor = 200) of "node_f015_dsn409945" written to tape file #166.
1747 records (length = 60, blocking factor = 200) of "node_f015_dsn409949" written to tape file #167.
5860 records (length = 60, blocking factor = 200) of "node_f015_dsn409974" written to tape file #168.
5827 records (length = 60, blocking factor = 200) of "node_f015_dsn409975" written to tape file #169.
5832 records (length = 60, blocking factor = 200) of "node_f015_dsn409976" written to tape file #170.
1742 records (length = 60, blocking factor = 200) of "node_f015_dsn410004" written to tape file #171.
1828 records (length = 60, blocking factor = 200) of "node_f015_dsn410005" written to tape file #172.

Tape BM8-200-001 - 6250 bpi , unlabeled , ASCII data (page 3)

5651 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410007" written to tape file #173.
5587 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410008" written to tape file #174.
6234 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410009" written to tape file #175.
5828 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410010" written to tape file #176.
5829 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410011" written to tape file #177.
1962 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410012" written to tape file #178.
130 records (length = 50, blocking factor = 240) of "cruise1 thermosalinograph" written to tape file #179.
302 records (length = 50, blocking factor = 240) of "cruise2 thermosalinograph" written to tape file #180.
481 records (length = 50, blocking factor = 240) of "cruise3 thermosalinograph" written to tape file #181.
312 records (length = 50, blocking factor = 240) of "cruise4 thermosalinograph" written to tape file #182.
454 records (length = 50, blocking factor = 240) of "cruise5 thermosalinograph" written to tape file #183.
357 records (length = 50, blocking factor = 240) of "cruise6 thermosalinograph" written to tape file #184.
711 records (length = 50, blocking factor = 240) of "cruise7 thermosalinograph" written to tape file #185.
341 records (length = 120, blocking factor = 100) of "drifter survey1" written to tape file #186.
322 records (length = 120, blocking factor = 100) of "drifter survey2" written to tape file #187.
342 records (length = 120, blocking factor = 100) of "drifter survey3" written to tape file #188.
306 records (length = 120, blocking factor = 100) of "drifter survey4" written to tape file #189.
292 records (length = 120, blocking factor = 100) of "drifter survey5" written to tape file #190.
274 records (length = 120, blocking factor = 100) of "drifter survey6" written to tape file #191.

Sample Thermosalinograph Data

```
NCCCS Cruise 1 Thermosalinograph Data
870316 10.26 40.9023N 124.4551W 11.4566 32.6797
870317 18.95 40.9413N 124.4317W 11.4882 30.0470
870317 19.14 40.9157N 124.4461W 11.5345 30.7244
870317 19.31 40.8921N 124.4597W 11.4196 31.0350
870317 19.49 40.8680N 124.4704W 11.3415 31.8326
870317 19.66 40.8507N 124.4652W 11.4476 32.4591
870317 20.00 40.8505N 124.4765W 11.4096 32.4406
870317 20.18 40.8561N 124.4940W 11.3057 32.0097
870318  0.87 40.7949N 124.3464W 11.5953 32.5153
870318  1.10 40.7842N 124.3195W 11.5998 32.1665
870318  1.27 40.7800N 124.3008W 11.6281 30.8644
870318  2.13 40.7740N 124.3188W 11.5725 31.4454
870318  2.30 40.7878N 124.3288W 11.5614 31.9313
870318  4.56 40.8379N 124.4589W 11.3366 32.0282
870318  4.73 40.8472N 124.4790W 11.3151 32.1583
870318  4.90 40.8568N 124.4971W 11.3558 32.0692
870318  5.08 40.8665N 124.5156W 11.3711 32.0633
870318  5.25 40.8778N 124.5291W 11.4204 32.0523
870318  6.28 40.8715N 124.5620W 11.4118 32.2382
870318  6.45 40.8804N 124.5822W 11.4541 32.3565
870318  6.63 40.8898N 124.6011W 11.4161 32.4550
870318  6.80 40.9003N 124.6190W 11.4058 32.5015
870318  6.97 40.9115N 124.6322W 11.4359 32.4691
870318  8.35 40.9075N 124.6541W 11.4629 32.4274
870318  8.52 40.9174N 124.6731W 11.5904 32.5257
```



Sample Drifter Data

NCCCS Drifter Survey 1 - March 1987

ID	JDAY	LAT	LON	SPEED	DIR	DISPL	TDW	TDX	TDY	FNU	QL	QC	LOG NOTES
01	72.549	40.80183	-124.31614	0.0	0.0	0.	14795.6	27378.5	0.0	000	2	1	Deployment
01	72.726	40.80407	-124.30761	5.0	70.9	762.	14795.9	27379.9	0.0	000	2	1	
01	72.974	40.87073	-124.27303	37.2	21.5	7956.	14772.4	27397.8	0.0	000	3	1	
01	73.316	40.88682	-124.26630	6.3	17.6	1875.	14766.5	27402.0	0.0	000	2	1	
01	73.681	40.91416	-124.22562	14.5	48.5	4579.	14760.5	27412.4	0.0	000	2	1	
01	73.976	40.86460	-124.27682	27.4	218.1	6994.	14774.5	27396.1	0.0	000	3	1	
01	74.326	40.85633	-124.35132	21.0	261.7	6348.	14767.1	27385.9	0.0	000	2	1	
01	74.679	40.83088	-124.30637	15.5	126.7	4729.	14784.6	27385.6	0.0	000	2	1	
01	74.992	40.72092	-124.42596	58.7	219.6	15844.	14813.5	27350.1	0.0	000	3	1	
01	75.326	40.65550	-124.51465	36.1	225.9	10439.	14827.4	27328.2	0.0	000	2	1	
01	75.719	40.51856	-124.60248	49.9	206.1	16928.	14869.6	27292.7	0.0	000	2	1	
01	75.983	40.45871	-124.69192	44.2	228.8	10083.	14879.6	27273.5	0.0	000	3	0	
01	76.802	40.23193	-124.60408	37.1	163.5	26264.	14980.9	27235.2	0.0	000	3	0	
01	77.389	39.97942	-124.44932	61.1	154.7	30988.	15100.4	27194.5	0.0	000	2	0	Fouled in kelp
01	77.867	39.89563	-124.41120	23.8	160.7	9856.	15137.0	27179.8	0.0	000	3	0	
01	78.423	39.82906	-124.45866	17.6	208.8	8434.	15152.5	27164.4	0.0	000	3	0	Fouled in kelp (?)
01	78.894	39.78036	-124.58525	29.7	243.5	12115.	15148.1	27149.6	0.0	000	3	0	
01	79.537	39.75222	-124.75836	27.3	258.2	15159.	15128.7	27138.2	0.0	000	2	0	Fouled in kelp
01	79.985	39.72593	-124.77173	8.1	201.4	3136.	15135.4	27133.3	0.0	000	3	0	
01	80.595	39.54584	-124.78251	38.0	182.7	20017.	15193.4	27104.0	0.0	000	2	0	Fouled in kelp
01	81.050	39.43929	-124.71850	33.2	155.0	13048.	15238.4	27089.0	0.0	000	3	0	
01	81.631	39.43098	-124.54436	29.9	93.5	15021.	15271.1	27090.8	0.0	000	2	0	Clear of kelp
ID	JDAY	LAT	LON	SPEED	DIR	DISPL	TDW	TDX	TDY	FNU	QL	QC	LOG NOTES
02	72.553	40.82467	-124.37366	0.0	0.0	0.	14777.4	27377.0	0.0	000	2	1	Deployment
02	72.728	40.83219	-124.36193	8.5	49.8	1295.	14775.9	27379.8	0.0	000	2	1	
02	72.976	40.90818	-124.31893	43.0	23.2	9184.	14749.4	27400.3	0.0	000	3	1	
02	73.318	40.91625	-124.30084	6.0	59.5	1768.	14748.5	27404.0	0.0	000	2	1	
02	73.682	40.90162	-124.27983	7.6	132.5	2402.	14758.1	27403.5	0.0	000	2	1	
02	73.976	40.85801	-124.32986	25.2	221.1	6422.	14769.5	27388.6	0.0	000	3	1	
02	74.329	40.84386	-124.42195	26.0	258.6	7923.	14762.1	27375.6	0.0	000	2	1	
02	74.685	40.81891	-124.43581	9.8	202.9	3007.	14770.7	27369.1	0.0	000	2	1	
02	74.995	40.74682	-124.47319	32.2	201.5	8605.	14795.5	27350.7	0.0	000	3	1	
02	75.331	40.65384	-124.54141	40.7	209.2	11827.	14824.1	27325.4	0.0	000	2	0	Near front, fouled in
02	75.715	40.54062	-124.60505	41.2	203.2	13677.	14860.4	27296.9	0.0	000	2	0	Near front, clear of k

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000209	077700	C116	0205	31F4	32O7		03/09/87	03/20/87	103	103
9000209	077701	C116	0205	31F4	32O7		08/09/87	08/18/87	135	135
9000209	077702	C116	0205	31F4	32O7		03/14/88	03/27/88	144	144
9000209	077703	C116	0205	31F4	32O7		05/27/88	05/27/88	11	11
9000209	077704	C116	0205	31F4	32O7		06/25/88	06/25/88	13	13
9000209	077705	C116	0205	31F4	32O7		08/17/88	08/31/88	133	133
9000209	077706	C116	0205	31F4	32O7		09/29/88	09/29/88	10	10
9000209	077707	C116	0205	31F4	32O7		10/29/88	10/29/88	12	12
9000209	077708	C116	0205	31F4	32O7		12/05/88	12/05/88	11	11
9000209	077709	C116	0205	31F4	32O7		02/17/89	03/08/89	133	133
9000209	077710	C116	0205	31F4	32O7		05/05/89	05/10/89	87	87
9000209	077711	C116	0205	31F4	32O7		06/10/89	06/10/89	13	13
9000209	077712	C116	0205	31F4	32O7		07/04/89	07/04/89	12	12
9000209	077713	C116	0205	31F4	32O7		08/04/89	08/04/89	12	12
9000209	077714	C116	0205	31F4	32O7		09/10/89	09/11/89	12	12
9000209	077715	C116	0205	31F4	32O7		10/19/89	11/01/89	90	90

ACCESSION NO. 9000209 FILETYPE ~~[illegible]~~ C116 TRACK NO. 7700-7715 PROJECT IDENTIFICATION MMS/ NO. CAL CIRC STUDY

~~[illegible]~~ & ~~[illegible]~~

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	9-25-90	FJM	A01257 *	191	50 60 120	12000	LOTS
DUPLICATE TAPE	10-2-90	FJM	W03445 *	↓	↓	↓	↓
REFORMATTED TAPE	10-30-90	R.P.S.	W13140 **	1	V	✓	931
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* NO LABEL, ASCII, 6250 B.P.I.

** LABEL: JNODC*EGGXBTOUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

NOAA FORM 24-5
(8-73)

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

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO:	REFER TO
National Oceanographic Data Ctr. 1825 Connecticut Ave., NW Washington, D.C. 20235	ATTENTION Dr. T. Picciolo

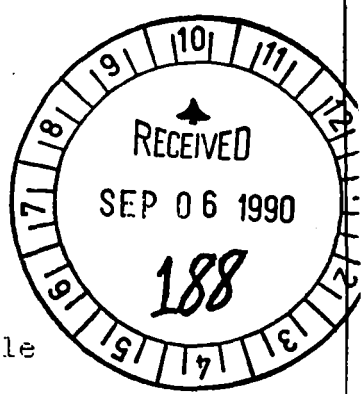
THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

☐ ORDINARY MAIL ☐ REGISTERED MAIL ☐ AIR MAIL ☐ CERTIFIED MAIL ☐ GOVERNMENT TRUCK ☐ BY HAND ☐ OTHER _____

The enclosed reel of magnetic tape contains 191 files for the Northern California Coastal Circulation Study (NCCCS). These data are released by Dr. Bruce A. Magnell, NCCCS Program Manager.

Acc # 9000209

FILES	DATA TYPE	FORMAT
01- 06	CTD	NODC F022
07- 15	XBT	NODC F022
16- 35	current meter	NODC F015
36- 40	pressure gage	NODC F017
41- 81	current meter	NODC F015
82- 89	pressure gage	NODC F017
90-129	current meter	NODC F015
130-138	pressure gage	NODC F017
139-172	current meter	NODC F015
173-178	pressure gage	NODC F017
179-185	underway thermosalinograph	see example
186-191	drifter data	see example



A01257

Sample dumps were made by this office to determine the readability of the tape.

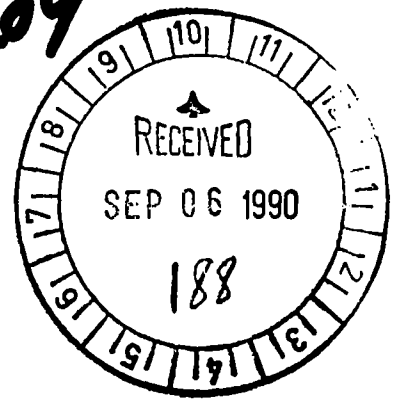
a.. one reel of magnetic tape (BM8-200-001, 9 track, 6250 bpi, ASCII).
b.. cover letter.
c.. tape documentation.
d.. sample dump of file #1 and #16.

FORWARDED BY (Signature)	TITLE	DATE FORWARDED
R. Slagle D[illegible]G/NOAA	NODC Service Center Rep.	09/04/90
RECEIVED BY (Signature)	**TITLE**	**DATE RECEIVED**

NOAA FORM 24-5 (8-73)

EG&G WASHINGTON ANALYTICAL SERVICES CENTER, INC.
OCEANOGRAPHIC SERVICES
237 Riverview Avenue, Waltham, Massachusetts 02154 • Tel (617) 891-7204 Fax (617) 891-5488

Acc# 9000209



August 30, 1990

Mr. George Heimerdinger
National Oceanographic Data Center
Northeast Liason Office
Woods Hole Oceanographic Institution
McLean Laboratory
Woods Hole, MA 02543

Subject: Data Transmittal

Reference: Northern California Coastal Circulation Study
Minerals Management Service Contract No. 14-12-001-30312

Dear George:

With this letter please find one (1) 9-track magnetic data tape in NODC format, containing all the NCCCS data, as required under the reference contract. Also enclosed is documentation of the tape's contents.

The data on this tape include the pilot program (March-August 1987) and all three main program deployments (March 1988-October 1989). All data have been passed through EG&G and/or Scripps quality assurance inspection, and are believed to be of high quality. However, we wish to point out the following deficiencies in several individual records from the final Main deployment (March-October 1989):

- Bottom pressure records from stations K-130 and V-60 contain gaps of several days duration. These gaps resulted from a software problem with the data transcription equipment at Scripps. Efforts are underway to recover the missing data, but could not be completed in time to meet the deliverable schedule. If the data can be recovered, EG&G will send another data tape containing the complete record(s).

- Bottom pressure data from station V-60 also exhibit a potential timing problem on the second part (after the gap). This also is under investigation at Scripps, and a corrected data set will be sent when the problem is resolved.

We have taken the liberty of sending this data tape to you, rather than to NODC's Southwest Liason Office as originally intended. We discovered recently that the liason position there is unoccupied.

2220 East 88th Avenue, Anchorage, Alaska 99507
Tel (907) 344-9333 Fax (907) 349-1413

Please do not hesitate to call Mr. Bruce Andrews at this office if you have any questions or need more information.

Sincerely,

EG&G WASC Oceanographic Services

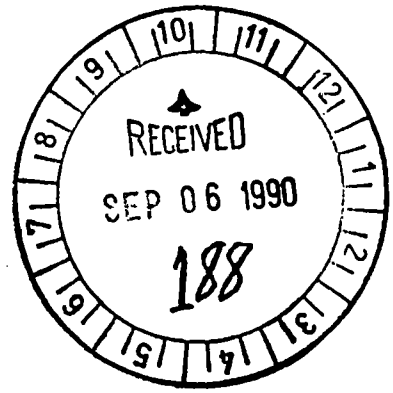
Bruce A. Magnell
Manager
Program Manager, NCCCS

Enclosure: 1 Data Tape
Tape Documentation

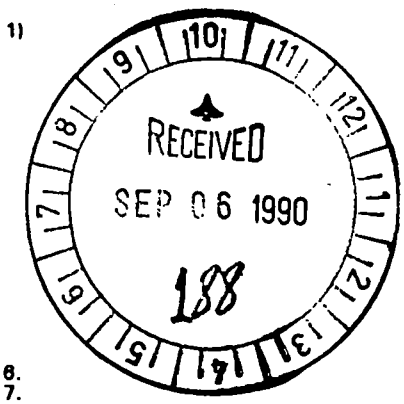
cc: S. Larson/MMS Pacific
J. Carlson/MMS CO Herndon
D. Johnson/MMS Herndon
C. Barton/WASC Contracts
BM8 File

Tape Documentation

The data are provided on an unlabeled, ASCII tape written at 6250 bpi. There are a total of 191 files on the tape, a listing of which follows. Files 1-6 contain CTD data in NODC file type 022 format. Files 7-15 contain XBT data in the same format. Current meter data from the pilot, first, second, and third main deployments are contained in files 16-35, 41-81, 90-129, and 139-172, respectively. Bottom pressure gauge data from these deployments is contained in files 36-40, 82-89, 130-138, and 173-178. The current meter data is in NODC file type 015 format and pressure gauge data in file type 017 format. Files 179-185 contain data from an underway thermosalinograph unit, and files 186-191 contain drifter data. Examples of the file structure used for these last two data types is enclosed (NODC does not have standard file types for these kinds of data).



Tape BM8-200-001 - 6250 bpi , unlabeled , ASCII data (page 1)



3847 records (length = 120, blocking factor = 100) of "nc1_f022_out" written to tape file #1.
5339 records (length = 120, blocking factor = 100) of "nc2_f022_out" written to tape file #2.
7363 records (length = 120, blocking factor = 100) of "nc3_f022_out" written to tape file #3.
7057 records (length = 120, blocking factor = 100) of "nc4_f022_out" written to tape file #4.
7722 records (length = 120, blocking factor = 100) of "nc5_f022_out" written to tape file #5.
8487 records (length = 120, blocking factor = 100) of "nc6_f022_out" written to tape file #6.
5995 records (length = 120, blocking factor = 100) of "nc7_f022_out" written to tape file #7.
4961 records (length = 120, blocking factor = 100) of "xc1_f022_out" written to tape file #8.
7480 records (length = 120, blocking factor = 100) of "xc2_f022_out" written to tape file #9.
7458 records (length = 120, blocking factor = 100) of "xc3_f022_out" written to tape file #10.
6831 records (length = 120, blocking factor = 100) of "xc4_f022_out" written to tape file #11.
7866 records (length = 120, blocking factor = 100) of "xc5_f022_out" written to tape file #12.
4700 records (length = 120, blocking factor = 100) of "xc6_f022_out" written to tape file #13.
3823 records (length = 120, blocking factor = 100) of "xc7_f022_out" written to tape file #14.
2547 records (length = 120, blocking factor = 100) of "xc9_f022_out" written to tape file #15.
3448 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409337" written to tape file #16.
3674 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409338" written to tape file #17.
3458 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409339" written to tape file #18.
3633 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409340" written to tape file #19.
3632 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409341" written to tape file #20.
3457 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409342" written to tape file #21.
3632 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409343" written to tape file #22.
3457 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409344" written to tape file #23.
3671 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409397" written to tape file #24.
3392 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409398" written to tape file #25.
3405 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409399" written to tape file #26.
1521 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409400" written to tape file #27.
573 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409401" written to tape file #28.
3370 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409402" written to tape file #29.
3441 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409404" written to tape file #30.
3431 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409405" written to tape file #31.
1477 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409406" written to tape file #32.
3517 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409421" written to tape file #33.
3573 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409432" written to tape file #34.
1508 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409435" written to tape file #35.
2605 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409407" written to tape file #36.
3491 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409408" written to tape file #37.
2732 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409409" written to tape file #38.
3393 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409410" written to tape file #39.
3474 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409411" written to tape file #40.
4072 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409505" written to tape file #41.
4074 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409506" written to tape file #42.
4077 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409507" written to tape file #43.
3625 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409508" written to tape file #44.
3627 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409509" written to tape file #45.
2648 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409510" written to tape file #46.
3638 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409511" written to tape file #47.
4054 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409512" written to tape file #48.
4077 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409513" written to tape file #49.
2512 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409514" written to tape file #50.
3666 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409515" written to tape file #51.
4053 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409516" written to tape file #52.
4054 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409517" written to tape file #53.
4072 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409518" written to tape file #54.
4077 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409519" written to tape file #55.
630 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409520" written to tape file #56.
2510 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409521" written to tape file #57.
2511 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409522" written to tape file #58.
3667 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409523" written to tape file #59.
3667 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409524" written to tape file #60.
4043 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409615" written to tape file #61.
4045 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409616" written to tape file #62.
4045 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409639" written to tape file #63.
3660 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409640" written to tape file #64.
4058 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409641" written to tape file #65.
4058 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409642" written to tape file #66.
4058 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409643" written to tape file #67.
4089 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409644" written to tape file #68.
3771 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409645" written to tape file #69.
3771 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409646" written to tape file #70.
3771 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409647" written to tape file #71.
3624 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409648" written to tape file #72.
3611 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409649" written to tape file #73.
3611 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409650" written to tape file #74.
3616 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409651" written to tape file #75.
3667 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409652" written to tape file #76.
3635 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409653" written to tape file #77.
3635 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409654" written to tape file #78.
3636 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409655" written to tape file #79.
4045 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409675" written to tape file #80.
3611 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409676" written to tape file #81.
4070 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409656" written to tape file #82.
2875 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409657" written to tape file #83.
4046 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409658" written to tape file #84.
3772 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409659" written to tape file #85.
3769 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409660" written to tape file #86.

Tape BM8-200-001 - 6250 bpi , unlabeled , ASCII data (page 2)

3617 records (length = 50, blocking factor = 240) of "node_f017_dsn409861" written to tape file #87.
3668 records (length = 50, blocking factor = 240) of "node_f017_dsn409862" written to tape file #88.
3052 records (length = 50, blocking factor = 240) of "node_f017_dsn409863" written to tape file #89.
4502 records (length = 60, blocking factor = 200) of "node_f015_dsn409580" written to tape file #90.
4498 records (length = 60, blocking factor = 200) of "node_f015_dsn409581" written to tape file #91.
4433 records (length = 60, blocking factor = 200) of "node_f015_dsn409583" written to tape file #92.
3941 records (length = 60, blocking factor = 200) of "node_f015_dsn409584" written to tape file #93.
4419 records (length = 60, blocking factor = 200) of "node_f015_dsn409585" written to tape file #94.
4563 records (length = 60, blocking factor = 200) of "node_f015_dsn409586" written to tape file #95.
4409 records (length = 60, blocking factor = 200) of "node_f015_dsn409587" written to tape file #96.
4489 records (length = 60, blocking factor = 200) of "node_f015_dsn409588" written to tape file #97.
2165 records (length = 60, blocking factor = 200) of "node_f015_dsn409589" written to tape file #98.
4146 records (length = 60, blocking factor = 200) of "node_f015_dsn409590" written to tape file #99.
2857 records (length = 60, blocking factor = 200) of "node_f015_dsn409591" written to tape file #100.
2806 records (length = 60, blocking factor = 200) of "node_f015_dsn409592" written to tape file #101.
4295 records (length = 60, blocking factor = 200) of "node_f015_dsn409593" written to tape file #102.
2335 records (length = 60, blocking factor = 200) of "node_f015_dsn409594" written to tape file #103.
3784 records (length = 60, blocking factor = 200) of "node_f015_dsn409595" written to tape file #104.
3736 records (length = 60, blocking factor = 200) of "node_f015_dsn409596" written to tape file #105.
2458 records (length = 60, blocking factor = 200) of "node_f015_dsn409613" written to tape file #106.
4523 records (length = 60, blocking factor = 200) of "node_f015_dsn409614" written to tape file #107.
4498 records (length = 60, blocking factor = 200) of "node_f015_dsn409795" written to tape file #108.
4492 records (length = 60, blocking factor = 200) of "node_f015_dsn409796" written to tape file #109.
4492 records (length = 60, blocking factor = 200) of "node_f015_dsn409797" written to tape file #110.
4492 records (length = 60, blocking factor = 200) of "node_f015_dsn409798" written to tape file #111.
4493 records (length = 60, blocking factor = 200) of "node_f015_dsn409799" written to tape file #112.
4493 records (length = 60, blocking factor = 200) of "node_f015_dsn409800" written to tape file #113.
2430 records (length = 60, blocking factor = 200) of "node_f015_dsn409801" written to tape file #114.
4523 records (length = 60, blocking factor = 200) of "node_f015_dsn409802" written to tape file #115.
2909 records (length = 60, blocking factor = 200) of "node_f015_dsn409803" written to tape file #116.
4467 records (length = 60, blocking factor = 200) of "node_f015_dsn409804" written to tape file #117.
4467 records (length = 60, blocking factor = 200) of "node_f015_dsn409805" written to tape file #118.
4574 records (length = 60, blocking factor = 200) of "node_f015_dsn409806" written to tape file #119.
4572 records (length = 60, blocking factor = 200) of "node_f015_dsn409807" written to tape file #120.
4572 records (length = 60, blocking factor = 200) of "node_f015_dsn409808" written to tape file #121.
4572 records (length = 60, blocking factor = 200) of "node_f015_dsn409809" written to tape file #122.
4571 records (length = 60, blocking factor = 200) of "node_f015_dsn409810" written to tape file #123.
4571 records (length = 60, blocking factor = 200) of "node_f015_dsn409811" written to tape file #124.
4412 records (length = 60, blocking factor = 200) of "node_f015_dsn409812" written to tape file #125.
4409 records (length = 60, blocking factor = 200) of "node_f015_dsn409813" written to tape file #126.
4409 records (length = 60, blocking factor = 200) of "node_f015_dsn409814" written to tape file #127.
4409 records (length = 60, blocking factor = 200) of "node_f015_dsn409815" written to tape file #128.
4405 records (length = 60, blocking factor = 200) of "node_f015_dsn409816" written to tape file #129.
3282 records (length = 50, blocking factor = 240) of "node_f017_dsn409817" written to tape file #130.
4499 records (length = 50, blocking factor = 240) of "node_f017_dsn409818" written to tape file #131.
4524 records (length = 50, blocking factor = 240) of "node_f017_dsn409819" written to tape file #132.
4468 records (length = 50, blocking factor = 240) of "node_f017_dsn409820" written to tape file #133.
4376 records (length = 50, blocking factor = 240) of "node_f017_dsn409821" written to tape file #134.
4572 records (length = 50, blocking factor = 240) of "node_f017_dsn409822" written to tape file #135.
4575 records (length = 50, blocking factor = 240) of "node_f017_dsn409823" written to tape file #136.
4406 records (length = 50, blocking factor = 240) of "node_f017_dsn409824" written to tape file #137.
4413 records (length = 50, blocking factor = 240) of "node_f017_dsn409825" written to tape file #138.
3812 records (length = 60, blocking factor = 200) of "node_f015_dsn409780" written to tape file #139.
5580 records (length = 60, blocking factor = 200) of "node_f015_dsn409781" written to tape file #140.
5447 records (length = 60, blocking factor = 200) of "node_f015_dsn409782" written to tape file #141.
3799 records (length = 60, blocking factor = 200) of "node_f015_dsn409783" written to tape file #142.
5653 records (length = 60, blocking factor = 200) of "node_f015_dsn409784" written to tape file #143.
5873 records (length = 60, blocking factor = 200) of "node_f015_dsn409785" written to tape file #144.
5600 records (length = 60, blocking factor = 200) of "node_f015_dsn409786" written to tape file #145.
4824 records (length = 60, blocking factor = 200) of "node_f015_dsn409787" written to tape file #146.
4596 records (length = 60, blocking factor = 200) of "node_f015_dsn409789" written to tape file #147.
4598 records (length = 60, blocking factor = 200) of "node_f015_dsn409790" written to tape file #148.
4570 records (length = 60, blocking factor = 200) of "node_f015_dsn409791" written to tape file #149.
3683 records (length = 60, blocking factor = 200) of "node_f015_dsn409792" written to tape file #150.
4819 records (length = 60, blocking factor = 200) of "node_f015_dsn409850" written to tape file #151.
5863 records (length = 60, blocking factor = 200) of "node_f015_dsn409895" written to tape file #152.
5863 records (length = 60, blocking factor = 200) of "node_f015_dsn409896" written to tape file #153.
5867 records (length = 60, blocking factor = 200) of "node_f015_dsn409897" written to tape file #154.
1587 records (length = 60, blocking factor = 200) of "node_f015_dsn409898" written to tape file #155.
5731 records (length = 60, blocking factor = 200) of "node_f015_dsn409899" written to tape file #156.
5731 records (length = 60, blocking factor = 200) of "node_f015_dsn409900" written to tape file #157.
5731 records (length = 60, blocking factor = 200) of "node_f015_dsn409901" written to tape file #158.
5650 records (length = 60, blocking factor = 200) of "node_f015_dsn409902" written to tape file #159.
5649 records (length = 60, blocking factor = 200) of "node_f015_dsn409903" written to tape file #160.
5649 records (length = 60, blocking factor = 200) of "node_f015_dsn409904" written to tape file #161.
5650 records (length = 60, blocking factor = 200) of "node_f015_dsn409905" written to tape file #162.
5826 records (length = 60, blocking factor = 200) of "node_f015_dsn409906" written to tape file #163.
5828 records (length = 60, blocking factor = 200) of "node_f015_dsn409907" written to tape file #164.
4295 records (length = 60, blocking factor = 200) of "node_f015_dsn409922" written to tape file #165.
5620 records (length = 60, blocking factor = 200) of "node_f015_dsn409945" written to tape file #166.
1747 records (length = 60, blocking factor = 200) of "node_f015_dsn409949" written to tape file #167.
5860 records (length = 60, blocking factor = 200) of "node_f015_dsn409974" written to tape file #168.
5827 records (length = 60, blocking factor = 200) of "node_f015_dsn409975" written to tape file #169.
5832 records (length = 60, blocking factor = 200) of "node_f015_dsn409976" written to tape file #170.
1742 records (length = 60, blocking factor = 200) of "node_f015_dsn410004" written to tape file #171.
1828 records (length = 60, blocking factor = 200) of "node_f015_dsn410005" written to tape file #172.

Tape BM8-200-001 - 6250 bpi , unlabeled , ASCII data (page 3)

5851 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410007" written to tape file #173.
5587 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410008" written to tape file #174.
8234 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410009" written to tape file #175.
5828 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410010" written to tape file #176.
5829 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410011" written to tape file #177.
1982 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410012" written to tape file #178.
130 records (length = 50, blocking factor = 240) of "cruise1 thermosalinograph" written to tape file #179.
302 records (length = 50, blocking factor = 240) of "cruise2 thermosalinograph" written to tape file #180.
481 records (length = 50, blocking factor = 240) of "cruise3 thermosalinograph" written to tape file #181.
312 records (length = 50, blocking factor = 240) of "cruise4 thermosalinograph" written to tape file #182.
454 records (length = 50, blocking factor = 240) of "cruise5 thermosalinograph" written to tape file #183.
357 records (length = 50, blocking factor = 240) of "cruise6 thermosalinograph" written to tape file #184.
711 records (length = 50, blocking factor = 240) of "cruise7 thermosalinograph" written to tape file #185.
341 records (length = 120, blocking factor = 100) of "drifter survey1" written to tape file #186.
322 records (length = 120, blocking factor = 100) of "drifter survey2" written to tape file #187.
342 records (length = 120, blocking factor = 100) of "drifter survey3" written to tape file #188.
306 records (length = 120, blocking factor = 100) of "drifter survey4" written to tape file #189.
292 records (length = 120, blocking factor = 100) of "drifter survey5" written to tape file #190.
274 records (length = 120, blocking factor = 100) of "drifter survey6" written to tape file #191.

Sample Thermosalinograph Data

```
NCCCS Cruise 1 Thermosalinograph Data
870316 10.26 40.9023N 124.4551W 11.4566 32.6797
870317 18.95 40.9413N 124.4317W 11.4882 30.0470
870317 19.14 40.9157N 124.4461W 11.5345 30.7244
870317 19.31 40.8921N 124.4597W 11.4196 31.0350
870317 19.49 40.8680N 124.4704W 11.3415 31.8326
870317 19.66 40.8507N 124.4652W 11.4476 32.4591
870317 20.00 40.8505N 124.4765W 11.4096 32.4406
870317 20.18 40.8561N 124.4940W 11.3057 32.0097
870318  0.87 40.7949N 124.3464W 11.5953 32.5153
870318  1.10 40.7842N 124.3195W 11.5998 32.1665
870318  1.27 40.7800N 124.3008W 11.6281 30.8644
870318  2.13 40.7740N 124.3188W 11.5725 31.4454
870318  2.30 40.7878N 124.3288W 11.5614 31.9313
870318  4.56 40.8379N 124.4589W 11.3366 32.0282
870318  4.73 40.8472N 124.4790W 11.3151 32.1583
870318  4.90 40.8568N 124.4971W 11.3558 32.0692
870318  5.08 40.8665N 124.5156W 11.3711 32.0633
870318  5.25 40.8778N 124.5291W 11.4204 32.0523
870318  6.28 40.8715N 124.5620W 11.4118 32.2382
870318  6.45 40.8804N 124.5822W 11.4541 32.3565
870318  6.63 40.8898N 124.6011W 11.4161 32.4550
870318  6.80 40.9003N 124.6190W 11.4058 32.5015
870318  6.97 40.9115N 124.6322W 11.4359 32.4691
870318  8.35 40.9075N 124.6541W 11.4629 32.4274
870318  8.52 40.9174N 124.6731W 11.5904 32.5257
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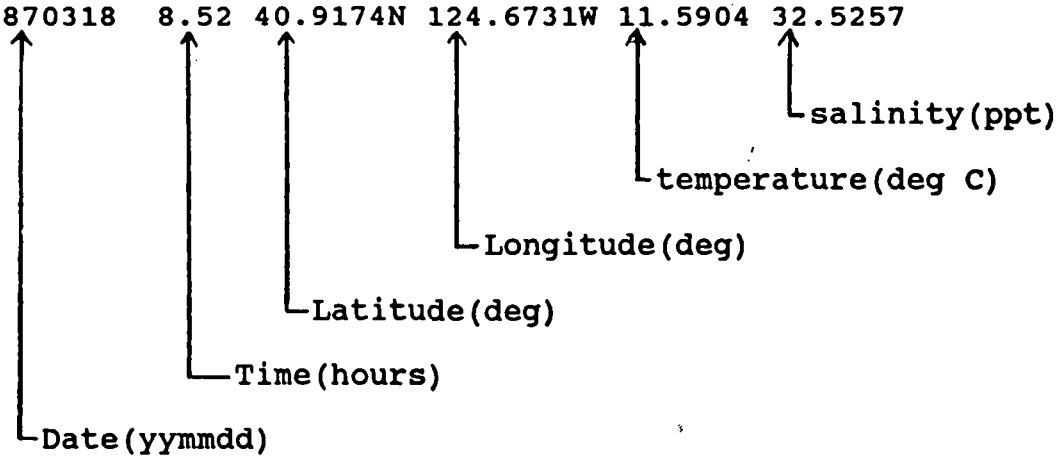


Sample Drifter Data

NCCCS Drifter Survey 1 - March 1987

ID	JDAY	LAT	LON	SPEED	DIR	DISPL	TDW	TDX	TDY	FNU	QL	QC	LOG NOTES
01	72.549	40.80183	-124.31614	0.0	0.0	0.	14795.6	27378.5	0.0	000	2	1	Deployment
01	72.726	40.80407	-124.30761	5.0	70.9	762.	14795.9	27379.9	0.0	000	2	1	
01	72.974	40.87073	-124.27303	37.2	21.5	7956.	14772.4	27397.8	0.0	000	3	1	
01	73.316	40.88682	-124.26630	6.3	17.6	1875.	14766.5	27402.0	0.0	000	2	1	
01	73.681	40.91416	-124.22562	14.5	48.5	4579.	14760.5	27412.4	0.0	000	2	1	
01	73.976	40.86460	-124.27682	27.4	218.1	6994.	14774.5	27396.1	0.0	000	3	1	
01	74.326	40.85633	-124.35132	21.0	261.7	6348.	14767.1	27385.9	0.0	000	2	1	
01	74.679	40.83088	-124.30637	15.5	126.7	4729.	14784.6	27385.6	0.0	000	2	1	
01	74.992	40.72092	-124.42596	58.7	219.6	15844.	14813.5	27350.1	0.0	000	3	1	
01	75.326	40.65550	-124.51465	36.1	225.9	10439.	14827.4	27328.2	0.0	000	2	1	
01	75.719	40.51856	-124.60248	49.9	206.1	16928.	14869.6	27292.7	0.0	000	2	1	
01	75.983	40.45871	-124.69192	44.2	228.8	10083.	14879.6	27273.5	0.0	000	3	0	
01	76.802	40.23193	-124.60408	37.1	163.5	26264.	14980.9	27235.2	0.0	000	3	0	
01	77.389	39.97942	-124.44932	61.1	154.7	30988.	15100.4	27194.5	0.0	000	2	0	Fouled in kelp
01	77.867	39.89563	-124.41120	23.8	160.7	9856.	15137.0	27179.8	0.0	000	3	0	
01	78.423	39.82906	-124.45866	17.6	208.8	8434.	15152.5	27164.4	0.0	000	3	0	Fouled in kelp (?)
01	78.894	39.78036	-124.58525	29.7	243.5	12115.	15148.1	27149.6	0.0	000	3	0	
01	79.537	39.75222	-124.75836	27.3	258.2	15159.	15128.7	27138.2	0.0	000	2	0	Fouled in kelp
01	79.985	39.72593	-124.77173	8.1	201.4	3136.	15135.4	27133.3	0.0	000	3	0	
01	80.595	39.54584	-124.78251	38.0	182.7	20017.	15193.4	27104.0	0.0	000	2	0	Fouled in kelp
01	81.050	39.43929	-124.71850	33.2	155.0	13048.	15238.4	27089.0	0.0	000	3	0	
01	81.631	39.43098	-124.54436	29.9	93.5	15021.	15271.1	27090.8	0.0	000	2	0	Clear of kelp
ID	JDAY	LAT	LON	SPEED	DIR	DISPL	TDW	TDX	TDY	FNU	QL	QC	LOG NOTES
02	72.553	40.82467	-124.37366	0.0	0.0	0.	14777.4	27377.0	0.0	000	2	1	Deployment
02	72.728	40.83219	-124.36193	8.5	49.8	1295.	14775.9	27379.8	0.0	000	2	1	
02	72.976	40.90818	-124.31893	43.0	23.2	9184.	14749.4	27400.3	0.0	000	3	1	
02	73.318	40.91625	-124.30084	6.0	59.5	1768.	14748.5	27404.0	0.0	000	2	1	
02	73.682	40.90162	-124.27983	7.6	132.5	2402.	14758.1	27403.5	0.0	000	2	1	
02	73.976	40.85801	-124.32986	25.2	221.1	6422.	14769.5	27388.6	0.0	000	3	1	
02	74.329	40.84386	-124.42195	26.0	258.6	7923.	14762.1	27375.6	0.0	000	2	1	
02	74.685	40.81891	-124.43581	9.8	202.9	3007.	14770.7	27369.1	0.0	000	2	1	
02	74.995	40.74682	-124.47319	32.2	201.5	8605.	14795.5	27350.7	0.0	000	3	1	
02	75.331	40.65384	-124.54141	40.7	209.2	11827.	14824.1	27325.4	0.0	000	2	0	Near front, fouled in
02	75.715	40.54062	-124.60505	41.2	203.2	13677.	14860.4	27296.9	0.0	000	2	0	Near front, clear of k

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000209	TV5141	F022	0205	31F4	31O7		03/09/87	03/19/87	63	3,784
9000209	TV5142	F022	0205	31F4	31O7		08/09/87	08/18/87	79	5,260
9000209	TV5143	F022	0205	31F4	31O7		03/13/88	03/26/88	94	7,269
9000209	TV5144	F022	0205	31F4	31O7		08/16/88	08/31/88	98	6,959
9000209	TV5145	F022	0205	31F4	31O7		02/19/89	03/08/89	106	7,616
9000209	TV5146	F022	0205	31F4	31O7		05/04/89	05/11/89	77	5,795
9000209	TV5242	F022	0205	31F4	32WC		05/06/89	05/08/89	20	2,595
9000209	TV5243	F022	0205	31F4	31O7		10/19/89	11/01/89	82	5,913

ACCESSION NO. 9000209 FILETYPE ~~F077~~ F022 ~~F005~~ ~~F077~~ + ~~MORE~~ TRACK NO. _____ PROJECT IDENTIFICATION MMS/ NO. CAL CIRC STUDY

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	9-25-90	FJM	A01257 *	191	50 60 120	12000	LOTS
DUPLICATE TAPE	10-2-90	FJM	W03445 *	↓	↓	↓	↓
REFORMATTED TAPE	10-31-90	R.P.S.	W01423 **	1	120	12000	45,200
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: NO LABEL, ASCII, 6250 B.P.I.

** LABEL: DNODC*EGG CTDOUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

NOAA FORM 24-5
(8-73)

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

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO:	REFER TO
National Oceanographic Data Ctr. 1825 Connecticut Ave., NW Washington, D.C. 20235	ATTENTION Dr. T. Picciolo

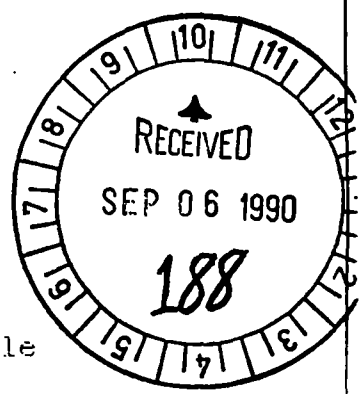
THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

☐ ORDINARY MAIL ☐ REGISTERED MAIL ☐ AIR MAIL ☐ CERTIFIED MAIL ☐ GOVERNMENT TRUCK ☐ BY HAND ☐ OTHER _____

The enclosed reel of magnetic tape contains 191 files for the Northern California Coastal Circulation Study (NCCCS). These data are released by Dr. Bruce A. Magnell, NCCCS Program Manager.

Acc # 9000209

FILES	DATA TYPE	FORMAT
01- 06	CTD	NODC F022
07- 15	XBT	NODC F022
16- 35	current meter	NODC F015
36- 40	pressure gage	NODC F017
41- 81	current meter	NODC F015
82- 89	pressure gage	NODC F017
90-129	current meter	NODC F015
130-138	pressure gage	NODC F017
139-172	current meter	NODC F015
173-178	pressure gage	NODC F017
179-185	underway thermosalinograph	see example
186-191	drifter data	see example



A01257

Sample dumps were made by this office to determine the readability of the tape.

a.. one reel of magnetic tape (BMS-200-001, 9 track, 6250 bpi, ASCII).
b.. cover letter.
c.. tape documentation.
d.. sample dump of file #1 and #16.

FORWARDED BY (Signature)	TITLE	DATE FORWARDED
R. Slagle [illegible]/NOAA	NODC Service Center Rep.	09/04/90
RECEIVED BY (Signature)	**TITLE**	**DATE RECEIVED**

NOAA FORM 24-5 (8-73)

EG&G WASHINGTON ANALYTICAL SERVICES CENTER, INC.
OCEANOGRAPHIC SERVICES
237 Riverview Avenue, Waltham, Massachusetts 02154 • Tel (617) 891-7204 Fax (617) 891-5488

Acc# 9000209

August 30, 1990

Mr. George Heimerdinger
National Oceanographic Data Center
Northeast Liason Office
Woods Hole Oceanographic Institution
McLean Laboratory
Woods Hole, MA 02543

Subject: Data Transmittal

Reference: Northern California Coastal Circulation Study
Minerals Management Service Contract No. 14-12-001-30312

Dear George:

With this letter please find one (1) 9-track magnetic data tape in NODC format, containing all the NCCCS data, as required under the reference contract. Also enclosed is documentation of the tape's contents.

The data on this tape include the pilot program (March-August 1987) and all three main program deployments (March 1988-October 1989). All data have been passed through EG&G and/or Scripps quality assurance inspection, and are believed to be of high quality. However, we wish to point out the following deficiencies in several individual records from the final Main deployment (March-October 1989):

- Bottom pressure records from stations K-130 and V-60 contain gaps of several days duration. These gaps resulted from a software problem with the data transcription equipment at Scripps. Efforts are underway to recover the missing data, but could not be completed in time to meet the deliverable schedule. If the data can be recovered, EG&G will send another data tape containing the complete record(s).

- Bottom pressure data from station V-60 also exhibit a potential timing problem on the second part (after the gap). This also is under investigation at Scripps, and a corrected data set will be sent when the problem is resolved.

We have taken the liberty of sending this data tape to you, rather than to NODC's Southwest Liason Office as originally intended. We discovered recently that the liason position there is unoccupied.

2220 East 88th Avenue, Anchorage, Alaska 99507
Tel (907) 344-9333 Fax (907) 349-1413

Please do not hesitate to call Mr. Bruce Andrews at this office if you have any questions or need more information.

Sincerely,

EG&G WASC Oceanographic Services

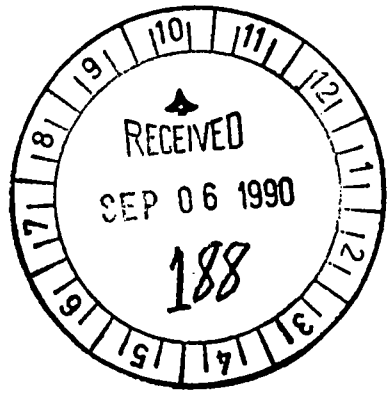
Bruce A. Magnell
Manager
Program Manager, NCCCS

Enclosure: 1 Data Tape
Tape Documentation

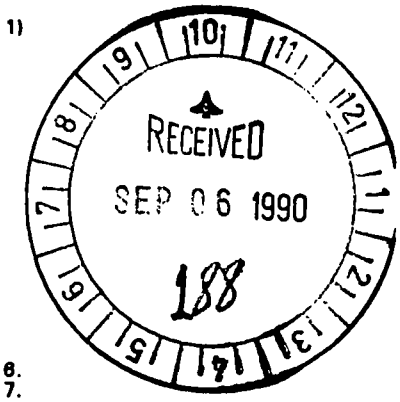
cc: S. Larson/MMS Pacific
J. Carlson/MMS CO Herndon
D. Johnson/MMS Herndon
C. Barton/WASC Contracts
BM8 File

Tape Documentation

The data are provided on an unlabeled, ASCII tape written at 6250 bpi. There are a total of 191 files on the tape, a listing of which follows. Files 1-6 contain CTD data in NODC file type 022 format. Files 7-15 contain XBT data in the same format. Current meter data from the pilot, first, second, and third main deployments are contained in files 16-35, 41-81, 90-129, and 139-172, respectively. Bottom pressure gauge data from these deployments is contained in files 36-40, 82-89, 130-138, and 173-178. The current meter data is in NODC file type 015 format and pressure gauge data in file type 017 format. Files 179-185 contain data from an underway thermosalinograph unit, and files 186-191 contain drifter data. Examples of the file structure used for these last two data types is enclosed (NODC does not have standard file types for these kinds of data).



Tape BM8-200-001 - 6250 bpi , unlabeled , ASCII data (page 1)



3847 records (length = 120, blocking factor = 100) of "nc1_f022_out" written to tape file #1.
5339 records (length = 120, blocking factor = 100) of "nc2_f022_out" written to tape file #2.
7363 records (length = 120, blocking factor = 100) of "nc3_f022_out" written to tape file #3.
7057 records (length = 120, blocking factor = 100) of "nc4_f022_out" written to tape file #4.
7722 records (length = 120, blocking factor = 100) of "nc5_f022_out" written to tape file #5.
8487 records (length = 120, blocking factor = 100) of "nc6_f022_out" written to tape file #6.
5995 records (length = 120, blocking factor = 100) of "nc7_f022_out" written to tape file #7.
4961 records (length = 120, blocking factor = 100) of "xc1_f022_out" written to tape file #8.
7480 records (length = 120, blocking factor = 100) of "xc2_f022_out" written to tape file #9.
7458 records (length = 120, blocking factor = 100) of "xc3_f022_out" written to tape file #10.
6631 records (length = 120, blocking factor = 100) of "xc4_f022_out" written to tape file #11.
7666 records (length = 120, blocking factor = 100) of "xc5_f022_out" written to tape file #12.
4700 records (length = 120, blocking factor = 100) of "xc6_f022_out" written to tape file #13.
3823 records (length = 120, blocking factor = 100) of "xc7_f022_out" written to tape file #14.
2547 records (length = 120, blocking factor = 100) of "xc9_f022_out" written to tape file #15.
3448 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409337" written to tape file #16.
3674 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409338" written to tape file #17.
3458 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409339" written to tape file #18.
3633 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409340" written to tape file #19.
3632 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409341" written to tape file #20.
3457 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409342" written to tape file #21.
3632 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409343" written to tape file #22.
3457 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409344" written to tape file #23.
3671 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409397" written to tape file #24.
3392 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409398" written to tape file #25.
3405 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409399" written to tape file #26.
1521 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409400" written to tape file #27.
573 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409401" written to tape file #28.
3370 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409402" written to tape file #29.
3441 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409404" written to tape file #30.
3431 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409405" written to tape file #31.
1477 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409406" written to tape file #32.
3517 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409421" written to tape file #33.
3573 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409432" written to tape file #34.
1508 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409435" written to tape file #35.
2605 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409407" written to tape file #36.
3491 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409408" written to tape file #37.
2732 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409409" written to tape file #38.
3393 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409410" written to tape file #39.
3474 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409411" written to tape file #40.
4072 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409505" written to tape file #41.
4074 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409506" written to tape file #42.
4077 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409507" written to tape file #43.
3625 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409508" written to tape file #44.
3627 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409509" written to tape file #45.
2648 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409510" written to tape file #46.
3638 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409511" written to tape file #47.
4054 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409512" written to tape file #48.
4077 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409513" written to tape file #49.
2512 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409514" written to tape file #50.
3666 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409515" written to tape file #51.
4053 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409516" written to tape file #52.
4054 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409517" written to tape file #53.
4072 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409518" written to tape file #54.
4077 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409519" written to tape file #55.
630 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409520" written to tape file #56.
2510 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409521" written to tape file #57.
2511 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409522" written to tape file #58.
3667 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409523" written to tape file #59.
3667 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409524" written to tape file #60.
4043 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409615" written to tape file #61.
4045 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409616" written to tape file #62.
4045 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409639" written to tape file #63.
3660 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409640" written to tape file #64.
4058 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409641" written to tape file #65.
4058 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409642" written to tape file #66.
4058 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409643" written to tape file #67.
4069 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409644" written to tape file #68.
3771 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409645" written to tape file #69.
3771 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409646" written to tape file #70.
3771 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409647" written to tape file #71.
3624 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409648" written to tape file #72.
3611 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409649" written to tape file #73.
3611 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409650" written to tape file #74.
3616 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409651" written to tape file #75.
3667 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409652" written to tape file #76.
3635 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409653" written to tape file #77.
3635 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409654" written to tape file #78.
3636 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409655" written to tape file #79.
4045 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409675" written to tape file #80.
3611 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409676" written to tape file #81.
4070 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409656" written to tape file #82.
2875 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409657" written to tape file #83.
4046 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409658" written to tape file #84.
3772 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409659" written to tape file #85.
3769 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409660" written to tape file #86.

Tape BM8-200-001 - 6250 bpi , unlabeled , ASCII data (page 2)

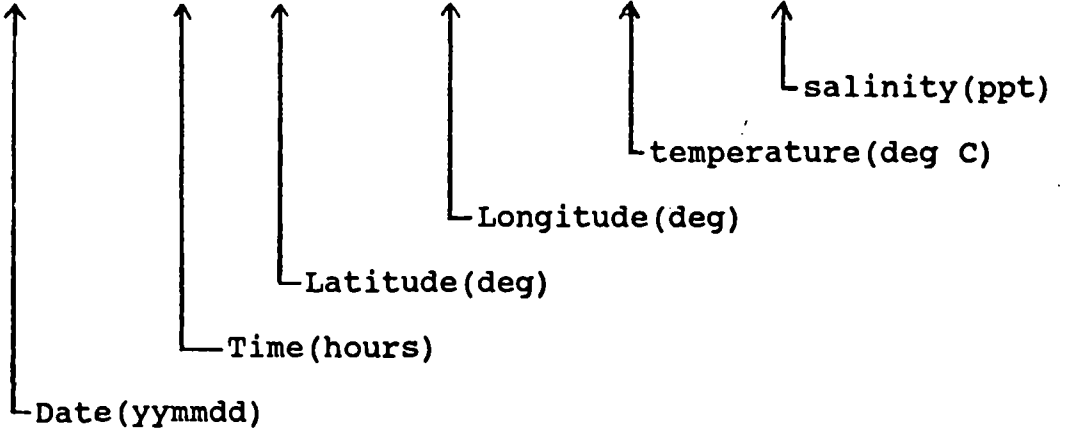
3617 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409661" written to tape file #87.
3668 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409662" written to tape file #88.
3052 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409663" written to tape file #89.
4502 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409580" written to tape file #90.
4498 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409581" written to tape file #91.
4433 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409583" written to tape file #92.
3941 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409584" written to tape file #93.
4419 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409585" written to tape file #94.
4563 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409586" written to tape file #95.
4409 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409587" written to tape file #96.
4489 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409588" written to tape file #97.
2165 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409589" written to tape file #98.
4146 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409590" written to tape file #99.
2657 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409591" written to tape file #100.
2806 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409592" written to tape file #101.
4295 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409593" written to tape file #102.
2335 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409594" written to tape file #103.
3784 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409595" written to tape file #104.
3736 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409596" written to tape file #105.
2458 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409613" written to tape file #106.
4523 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409614" written to tape file #107.
4498 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409795" written to tape file #108.
4492 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409796" written to tape file #109.
4492 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409797" written to tape file #110.
4492 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409798" written to tape file #111.
4493 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409799" written to tape file #112.
4493 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409800" written to tape file #113.
2430 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409801" written to tape file #114.
4523 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409802" written to tape file #115.
2909 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409803" written to tape file #116.
4467 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409804" written to tape file #117.
4467 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409805" written to tape file #118.
4574 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409806" written to tape file #119.
4572 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409807" written to tape file #120.
4572 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409808" written to tape file #121.
4572 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409809" written to tape file #122.
4571 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409810" written to tape file #123.
4571 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409811" written to tape file #124.
4412 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409812" written to tape file #125.
4409 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409813" written to tape file #126.
4409 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409814" written to tape file #127.
4409 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409815" written to tape file #128.
4405 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409816" written to tape file #129.
3282 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409817" written to tape file #130.
4499 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409818" written to tape file #131.
4524 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409819" written to tape file #132.
4468 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409820" written to tape file #133.
4376 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409821" written to tape file #134.
4572 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409822" written to tape file #135.
4575 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409823" written to tape file #136.
4406 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409824" written to tape file #137.
4413 records (length = 50, blocking factor = 240) of "nodc_f017_dsn409825" written to tape file #138.
3812 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409780" written to tape file #139.
5580 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409781" written to tape file #140.
5447 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409782" written to tape file #141.
3799 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409783" written to tape file #142.
5653 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409784" written to tape file #143.
5873 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409785" written to tape file #144.
5600 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409786" written to tape file #145.
4824 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409787" written to tape file #146.
4596 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409789" written to tape file #147.
4598 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409790" written to tape file #148.
4570 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409791" written to tape file #149.
3683 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409792" written to tape file #150.
4819 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409856" written to tape file #151.
5863 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409895" written to tape file #152.
5863 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409896" written to tape file #153.
5867 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409897" written to tape file #154.
1587 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409898" written to tape file #155.
5731 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409899" written to tape file #156.
5731 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409900" written to tape file #157.
5731 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409901" written to tape file #158.
5650 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409902" written to tape file #159.
5649 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409903" written to tape file #160.
5649 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409904" written to tape file #161.
5650 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409905" written to tape file #162.
5826 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409906" written to tape file #163.
5828 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409907" written to tape file #164.
4295 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409922" written to tape file #165.
5620 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409945" written to tape file #166.
1747 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409949" written to tape file #167.
5860 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409974" written to tape file #168.
5827 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409975" written to tape file #169.
5832 records (length = 60, blocking factor = 200) of "nodc_f015_dsn409976" written to tape file #170.
1742 records (length = 60, blocking factor = 200) of "nodc_f015_dsn410004" written to tape file #171.
1828 records (length = 60, blocking factor = 200) of "nodc_f015_dsn410005" written to tape file #172.

Tape BM8-200-001 - 6250 bpi , unlabeled , ASCII data (page 3)

5651 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410007" written to tape file #173.
5587 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410008" written to tape file #174.
6234 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410009" written to tape file #175.
5828 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410010" written to tape file #176.
5829 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410011" written to tape file #177.
1962 records (length = 50, blocking factor = 240) of "nodc_f017_dsn410012" written to tape file #178.
130 records (length = 50, blocking factor = 240) of "cruise1 thermosalinograph" written to tape file #179.
302 records (length = 50, blocking factor = 240) of "cruise2 thermosalinograph" written to tape file #180.
481 records (length = 50, blocking factor = 240) of "cruise3 thermosalinograph" written to tape file #181.
312 records (length = 50, blocking factor = 240) of "cruise4 thermosalinograph" written to tape file #182.
454 records (length = 50, blocking factor = 240) of "cruise5 thermosalinograph" written to tape file #183.
357 records (length = 50, blocking factor = 240) of "cruise6 thermosalinograph" written to tape file #184.
711 records (length = 50, blocking factor = 240) of "cruise7 thermosalinograph" written to tape file #185.
341 records (length = 120, blocking factor = 100) of "drifter survey1" written to tape file #186.
322 records (length = 120, blocking factor = 100) of "drifter survey2" written to tape file #187.
342 records (length = 120, blocking factor = 100) of "drifter survey3" written to tape file #188.
306 records (length = 120, blocking factor = 100) of "drifter survey4" written to tape file #189.
292 records (length = 120, blocking factor = 100) of "drifter survey5" written to tape file #190.
274 records (length = 120, blocking factor = 100) of "drifter survey6" written to tape file #191.

Sample Thermosalinograph Data

```
NCCCS Cruise 1 Thermosalinograph Data
870316 10.26 40.9023N 124.4551W 11.4566 32.6797
870317 18.95 40.9413N 124.4317W 11.4882 30.0470
870317 19.14 40.9157N 124.4461W 11.5345 30.7244
870317 19.31 40.8921N 124.4597W 11.4196 31.0350
870317 19.49 40.8680N 124.4704W 11.3415 31.8326
870317 19.66 40.8507N 124.4652W 11.4476 32.4591
870317 20.00 40.8505N 124.4765W 11.4096 32.4406
870317 20.18 40.8561N 124.4940W 11.3057 32.0097
870318  0.87 40.7949N 124.3464W 11.5953 32.5153
870318  1.10 40.7842N 124.3195W 11.5998 32.1665
870318  1.27 40.7800N 124.3008W 11.6281 30.8644
870318  2.13 40.7740N 124.3188W 11.5725 31.4454
870318  2.30 40.7878N 124.3288W 11.5614 31.9313
870318  4.56 40.8379N 124.4589W 11.3366 32.0282
870318  4.73 40.8472N 124.4790W 11.3151 32.1583
870318  4.90 40.8568N 124.4971W 11.3558 32.0692
870318  5.08 40.8665N 124.5156W 11.3711 32.0633
870318  5.25 40.8778N 124.5291W 11.4204 32.0523
870318  6.28 40.8715N 124.5620W 11.4118 32.2382
870318  6.45 40.8804N 124.5822W 11.4541 32.3565
870318  6.63 40.8898N 124.6011W 11.4161 32.4550
870318  6.80 40.9003N 124.6190W 11.4058 32.5015
870318  6.97 40.9115N 124.6322W 11.4359 32.4691
870318  8.35 40.9075N 124.6541W 11.4629 32.4274
870318  8.52 40.9174N 124.6731W 11.5904 32.5257
```



Sample Drifter Data

NCCCS Drifter Survey 1 - March 1987

ID	JDAY	LAT	LON	SPEED	DIR	DISPL	TDW	TDX	TDY	FNU	QL	QC	LOG NOTES
01	72.549	40.80183	-124.31614	0.0	0.0	0.	14795.6	27378.5	0.0	000	2	1	Deployment
01	72.726	40.80407	-124.30761	5.0	70.9	762.	14795.9	27379.9	0.0	000	2	1	
01	72.974	40.87073	-124.27303	37.2	21.5	7956.	14772.4	27397.8	0.0	000	3	1	
01	73.316	40.88682	-124.26630	6.3	17.6	1875.	14766.5	27402.0	0.0	000	2	1	
01	73.681	40.91416	-124.22562	14.5	48.5	4579.	14760.5	27412.4	0.0	000	2	1	
01	73.976	40.86460	-124.27682	27.4	218.1	6994.	14774.5	27396.1	0.0	000	3	1	
01	74.326	40.85633	-124.35132	21.0	261.7	6348.	14767.1	27385.9	0.0	000	2	1	
01	74.679	40.83088	-124.30637	15.5	126.7	4729.	14784.6	27385.6	0.0	000	2	1	
01	74.992	40.72092	-124.42596	58.7	219.6	15844.	14813.5	27350.1	0.0	000	3	1	
01	75.326	40.65550	-124.51465	36.1	225.9	10439.	14827.4	27328.2	0.0	000	2	1	
01	75.719	40.51856	-124.60248	49.9	206.1	16928.	14869.6	27292.7	0.0	000	2	1	
01	75.983	40.45871	-124.69192	44.2	228.8	10083.	14879.6	27273.5	0.0	000	3	0	
01	76.802	40.23193	-124.60408	37.1	163.5	26264.	14980.9	27235.2	0.0	000	3	0	
01	77.389	39.97942	-124.44932	61.1	154.7	30988.	15100.4	27194.5	0.0	000	2	0	Fouled in kelp
01	77.867	39.89563	-124.41120	23.8	160.7	9856.	15137.0	27179.8	0.0	000	3	0	
01	78.423	39.82906	-124.45866	17.6	208.8	8434.	15152.5	27164.4	0.0	000	3	0	Fouled in kelp (?)
01	78.894	39.78036	-124.58525	29.7	243.5	12115.	15148.1	27149.6	0.0	000	3	0	
01	79.537	39.75222	-124.75836	27.3	258.2	15159.	15128.7	27138.2	0.0	000	2	0	Fouled in kelp
01	79.985	39.72593	-124.77173	8.1	201.4	3136.	15135.4	27133.3	0.0	000	3	0	
01	80.595	39.54584	-124.78251	38.0	182.7	20017.	15193.4	27104.0	0.0	000	2	0	Fouled in kelp
01	81.050	39.43929	-124.71850	33.2	155.0	13048.	15238.4	27089.0	0.0	000	3	0	
01	81.631	39.43098	-124.54436	29.9	93.5	15021.	15271.1	27090.8	0.0	000	2	0	Clear of kelp
ID	JDAY	LAT	LON	SPEED	DIR	DISPL	TDW	TDX	TDY	FNU	QL	QC	LOG NOTES
02	72.553	40.82467	-124.37366	0.0	0.0	0.	14777.4	27377.0	0.0	000	2	1	Deployment
02	72.728	40.83219	-124.36193	8.5	49.8	1295.	14775.9	27379.8	0.0	000	2	1	
02	72.976	40.90818	-124.31893	43.0	23.2	9184.	14749.4	27400.3	0.0	000	3	1	
02	73.318	40.91625	-124.30084	6.0	59.5	1768.	14748.5	27404.0	0.0	000	2	1	
02	73.682	40.90162	-124.27983	7.6	132.5	2402.	14758.1	27403.5	0.0	000	2	1	
02	73.976	40.85801	-124.32986	25.2	221.1	6422.	14769.5	27388.6	0.0	000	3	1	
02	74.329	40.84386	-124.42195	26.0	258.6	7923.	14762.1	27375.6	0.0	000	2	1	
02	74.685	40.81891	-124.43581	9.8	202.9	3007.	14770.7	27369.1	0.0	000	2	1	
02	74.995	40.74682	-124.47319	32.2	201.5	8605.	14795.5	27350.7	0.0	000	3	1	
02	75.331	40.65384	-124.54141	40.7	209.2	11827.	14824.1	27325.4	0.0	000	2	0	Near front, fouled in
02	75.715	40.54062	-124.60505	41.2	203.2	13677.	14860.4	27296.9	0.0	000	2	0	Near front, clear of k

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
9000209	L129	L01142	0205	31F4	317F	1987/03/19	NULL	193207
9000209	F015	TV5600	0205	31F4	317F	1987/03/18	G-130	193216
9000209	F015	TV5601	0205	31F4	317F	1987/03/14	E-130	193217
9000209	F015	TV5602	0205	31F4	317F	1987/03/17	G-400	193218
9000209	F015	TV5603	0205	31F4	317F	1987/03/15	E-400	193219
9000209	F015	TV5604	0205	31F4	317F	1987/03/15	E-400	193220
9000209	F015	TV5605	0205	31F4	317F	1987/03/17	G-400	193221
900020Q9	F015	TV5606	0205	31F4	317F	1987/03/15	E-400	193222
9000209	F015	TV5607	0205	31F4	317F	1987/03/17	G-400	193223
9000209	F015	TV5608	0205	31F4	317F	1987/03/13	E-60	193224
9000209	F015	TV5609	0205	31F4	317F	1987/03/20	E-90	193225
9000209	F015	TV5610	0205	31F4	317F	1987/03/20	E-90	193226
9000209	F015	TV5611	0205	31F4	317F	1987/03/14	E-400	193227
9000209	F015	TV5612	0205	31F4	317F	1987/06/19	E-400	193228
9000209	F015	TV5613	0205	31F4	317F	1987/03/18	G-60	193229
9000209	F015	TV5614	0205	31F4	317F	1987/03/18	G-130	193230
9000209	F015	TV5615	0205	31F4	317F	1987/03/18	G-400	193231
9000209	F015	TV5616	0205	31F4	317F	1987/03/15	K-130	193232
9000209	F015	TV5617	0205	31F4	317F	1987/08/17	E-130	193233
9000209	F015	TV5618	0205	31F4	317F	1988/01/12	E-130	193234
9000209	F015	TV5619	0205	31F4	317F	1988/03/12	K-130	193235
9000209	F015	TV5620	0205	31F4	317F	1988/03/12	K-400	193236
9000209	F015	TV5621	0205	31F4	317F	1988/03/15	E-400	193237
9000209	F015	TV5622	0205	31F4	317F	1988/03/18	V-400	193238
9000209	F015	TV5623	0205	31F4	317F	1988/03/18	V-130	193239
9000209	F015	TV5624	0205	31F4	317F	1988/05/01	C-400	193240
9000209	F015	TV5625	0205	31F4	317F	1988/03/20	C-90	193241
9000209	F015	TV5626	0205	31F4	317F	1988/03/13	K-400	193242
9000209	F015	TV5627	0205	31F4	317F	1988/03/15	E-400	193243
9000209	F015	TV5628	0205	31F4	317F	1988/05/03	V-400	193244
9000209	F015	TV5629	0205	31F4	317F	1988/03/20	C-400	193245
9000209	F015	TV5630	0205	31F4	317F	1988/03/13	K-400	193246
9000209	F015	TV5631	0205	31F4	317F	1988/03/13	K-400	193247
9000209	F015	TV5632	0205	31F4	317F	1988/03/15	E-400	193248
9000209	F015	TV5633	0205	31F4	317F	1988/03/15	E-400	193249
9000209	F015	TV5634	0205	31F4	317F	1988/03/18	V-400	193250
9000209	F015	TV5635	0205	31F4	317F	1988/05/03	V-400	193251
9000209	F015	TV5636	0205	31F4	317F	1988/05/03	V-400	193252
9000209	F015	TV5637	0205	31F4	317F	1988/03/20	C-400	193253
9000209	F015	TV5638	0205	31F4	317F	1988/03/20	C-400	193254
9000209	F015	TV5639	0205	31F4	317F	1988/03/15	E-60	193255
9000209	F015	TV5640	0205	31F4	317F	1988/03/15	E-90	193256
9000209	F015	TV5641	0205	31F4	317F	1988/03/15	E-90	193257
9000209	F015	TV5642	0205	31F4	317F	1988/03/13	K-60	193258
9000209	F015	TV5643	0205	31F4	317F	1988/03/13	K-90	193259
9000209	F015	TV5644	0205	31F4	317F	1988/03/13	K-90	193260
9000209	F015	TV5645	0205	31F4	317F	1988/03/13	K-90	193261
9000209	F015	TV5646	0205	31F4	317F	1988/03/12	K-130	193262
9000209	F015	TV5647	0205	31F4	317F	1988/03/18	G-90	193263
9000209	F015	TV5648	0205	31F4	317F	1988/03/18	G-90	193264
9000209	F015	TV5649	0205	31F4	317F	1988/03/18	G-90	193265
9000209	F015	TV5650	0205	31F4	317F	1988/03/18	V-130	193266
9000209	F015	TV5651	0205	31F4	317F	1988/03/18	V-90	193267
9000209	F015	TV5652	0205	31F4	317F	1988/03/18	V-90	193268
9000209	F015	TV5653	0205	31F4	317F	1988/03/18	V-60	193269
9000209	F015	TV5654	0205	31F4	317F	1988/03/19	C-130	193270

9000209	F015	TV5655	0205	31F4	317F	1988/03/20	C-90	193271
9000209	F015	TV5656	0205	31F4	317F	1988/03/20	C-90	193272
9000209	F015	TV5657	0205	31F4	317F	1988/03/20	C-60	193273
9000209	F015	TV5658	0205	31F4	317F	1988/08/28	K-400	193274
9000209	F015	TV5659	0205	31F4	317F	1988/08/28	K-400	193275
9000209	F015	TV5660	0205	31F4	317F	1988/08/22	G-90	193276
9000209	F015	TV5661	0205	31F4	317F	1988/08/19	C-400	193277
9000209	F015	TV5662	0205	31F4	317F	1988/08/15	V-400	193278
9000209	F015	TV5663	0205	31F4	317F	1988/08/19	C-400	193279
9000209	F015	TV5664	0205	31F4	317F	1988/09/01	E-400	193280
9000209	F015	TV5665	0205	31F4	317F	1988/08/28	K-400	193281
9000209	F015	TV5666	0205	31F4	317F	1988/08/28	K-400	193282
9000209	F015	TV5667	0205	31F4	317F	1988/09/01	E-400	193283
9000209	F015	TV5668	0205	31F4	317F	1988/09/01	E-400	193284
9000209	F015	TV5669	0205	31F4	317F	1988/08/19	C-400	193285
9000209	F015	TV5670	0205	31F4	317F	1988/08/19	C-400	193286
9000209	F015	TV5671	0205	31F4	317F	1988/08/15	V-400	193287
9000209	F015	TV5672	0205	31F4	317F	1988/08/15	V-400	193288
9000209	F015	TV5673	0205	31F4	317F	1988/08/30	E-90	193289
9000209	F015	TV5674	0205	31F4	317F	1988/08/29	K-60	193290
9000209	F015	TV5675	0205	31F4	317F	1988/08/29	K-90	193291
9000209	F015	TV5676	0205	31F4	317F	1988/08/29	K-90	193292
9000209	F015	TV5677	0205	31F4	317F	1988/08/29	K-90	193293
9000209	F015	TV5678	0205	31F4	317F	1988/08/29	K-130	193294
9000209	F015	TV5679	0205	31F4	317F	1988/08/29	K-130	193295
9000209	F015	TV5680	0205	31F4	317F	1988/08/30	E-90	193296
9000209	F015	TV5681	0205	31F4	317F	1988/08/22	G-90	193297
9000209	F015	TV5682	0205	31F4	317F	1988/08/22	G-90	193298
9000209	F015	TV5683	0205	31F4	317F	1988/08/14	V-60	193299
9000209	F015	TV5684	0205	31F4	317F	1988/08/15	V-90	193300
9000209	F015	TV5685	0205	31F4	317F	1988/08/15	V-90	193301
9000209	F015	TV5686	0205	31F4	317F	1988/08/15	V-90	193302
9000209	F015	TV5687	0205	31F4	317F	1988/08/15	V-130	193303
9000209	F015	TV5688	0205	31F4	317F	1988/08/15	V-130	193304
9000209	F015	TV5689	0205	31F4	317F	1988/08/18	C-60	193305
9000209	F015	TV5690	0205	31F4	317F	1988/08/18	C-90	193306
9000209	F015	TV5691	0205	31F4	317F	1988/08/18	C-90	193307
9000209	F015	TV5692	0205	31F4	317F	1988/08/18	C-90	193308
9000209	F015	TV5693	0205	31F4	317F	1988/08/19	C-130	193309
9000209	F015	TV5694	0205	31F4	317F	1989/02/21	V-90	193310
9000209	F015	TV5695	0205	31F4	317F	1989/03/07	E-400	193311
9000209	F015	TV5696	0205	31F4	317F	1989/03/04	K-400	193312
9000209	F015	TV5697	0205	31F4	317F	1989/02/18	C-90	193313
9000209	F015	TV5698	0205	31F4	317F	1989/02/18	C-400	193314
9000209	F015	TV5699	0205	31F4	317F	1989/02/18	C-400	193315
9000209	F015	TV5700	0205	31F4	317F	1989/03/07	E-400	193316
9000209	F015	TV5701	0205	31F4	317F	1989/03/04	K-400	193317
9000209	F015	TV5702	0205	31F4	317F	1989/03/07	E-400	193318
9000209	F015	TV5703	0205	31F4	317F	1989/03/04	K-400	193319
9000209	F015	TV5704	0205	31F4	317F	1989/02/21	V-400	193320
9000209	F015	TV5705	0205	31F4	317F	1989/02/18	C-90	193321
9000209	F015	TV5706	0205	31F4	317F	1989/02/18	C-90	193322
9000209	F015	TV5707	0205	31F4	317F	1989/02/18	C-130	193323
9000209	F015	TV5708	0205	31F4	317F	1989/03/06	E-60	193324
9000209	F015	TV5709	0205	31F4	317F	1989/03/06	E-90	193325
9000209	F015	TV5710	0205	31F4	317F	1989/03/06	E-90	193326
9000209	F015	TV5711	0205	31F4	317F	1989/03/06	E-90	193327
9000209	F015	TV5712	0205	31F4	317F	1989/03/03	K-60	193328
9000209	F015	TV5713	0205	31F4	317F	1989/03/03	K-90	193329
9000209	F015	TV5714	0205	31F4	317F	1989/03/03	K-90	193330

9000209	F015	TV5715	0205	31F4	317F	1989/03/04	K-130	193331
9000209	F015	TV5716	0205	31F4	317F	1989/02/21	V-130	193332
9000209	F015	TV5717	0205	31F4	317F	1989/02/21	V-130	193333
9000209	F015	TV5718	0205	31F4	317F	1989/02/16	G-90	193334
9000209	F015	TV5719	0205	31F4	317F	1989/02/24	V-400	193335
9000209	F015	TV5720	0205	31F4	317F	1989/02/18	C-60	193336
9000209	F015	TV5721	0205	31F4	317F	1989/02/22	V-60	193337
9000209	F015	TV5722	0205	31F4	317F	1989/02/21	V-90	193338
9000209	F015	TV5723	0205	31F4	317F	1989/03/04	K-90	193339
9000209	F015	TV5724	0205	31F4	317F	1989/02/22	V-90	193340
9000209	C022	319957	0205	31F4	31O7	1987/03/09	TV5141	193191
9000209	C022	319958	0205	31F4	31O7	1987/08/09	TV5142	193192
9000209	C022	319959	0205	31F4	31O7	1988/03/13	TV5143	193193
9000209	C022	319960	0205	31F4	31O7	1988/08/16	TV5144	193194
9000209	C022	319961	0205	31F4	31O7	1989/02/19	TV5145	193195
9000209	C022	319962	0205	31F4	31O7	1989/05/04	TV5146	193196
9000209	C022	319963	0205	31F4	31O7	1989/10/19	TV5243	193197
9000209	L153	L01132	0205	31F4	31O7	1987/03/16	NULL	193200
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9000209	L153	L01134	0205	31F4	31O7	1988/03/12	NULL	193202
9000209	L153	L01135	0205	31F4	31O7	1988/08/14	NULL	193203
9000209	L153	L01136	0205	31F4	31O7	1989/02/25	NULL	193204
9000209	L153	L01137	0205	31F4	31O7	1989/05/05	NULL	193205
9000209	L153	L01138	0205	31F4	31O7	1989/10/18	NULL	193206
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9000209	F022	TV5143	0205	31F4	31O7	1988/03/13	NULL	193210
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9000209	L121	L01131	0205	31F4	32DB	1987/03/13	NULL	193199
9000209	C116	077715	0205	31F4	32O7	1989/10/19	NULL	193190
9000209	C116	077700	0205	31F4	32O7	1987/03/09	NULL	193175
9000209	C116	077701	0205	31F4	32O7	1987/08/09	NULL	193176
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9000209	C116	077704	0205	31F4	32O7	1988/06/25	NULL	193179
9000209	C116	077705	0205	31F4	32O7	1988/08/17	NULL	193180
9000209	C116	077706	0205	31F4	32O7	1988/09/29	NULL	193181
9000209	C116	077707	0205	31F4	32O7	1988/10/29	NULL	193182
9000209	C116	077708	0205	31F4	32O7	1988/12/05	NULL	193183
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9000209	C116	077713	0205	31F4	32O7	1989/08/04	NULL	193188
9000209	C116	077714	0205	31F4	32O7	1989/09/10	NULL	193189
9000209	C022	329630	0205	31F4	32WC	1989/05/06	TV5242	193198
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(166 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
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9000209	F015	TV5601	317F	6	3673	87/03/14	87/08/01
9000209	F015	TV5602	317F	6	3457	87/03/17	87/08/01
9000209	F015	TV5603	317F	6	3630	87/03/15	87/08/01
9000209	F015	TV5604	317F	6	3631	87/03/15	87/08/01
9000209	F015	TV5605	317F	6	3456	87/03/17	87/08/01
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9000209	F015	TV5607	317F	6	3457	87/03/17	87/08/01
9000209	F015	TV5608	317F	2	682	87/03/13	87/04/01
9000209	F015	TV5609	317F	6	3390	87/03/20	87/08/01
9000209	F015	TV5610	317F	6	3399	87/03/20	87/08/01
9000209	F015	TV5611	317F	3	1521	87/03/14	87/05/01
9000209	F015	TV5612	317F	2	573	87/06/19	87/07/01
9000209	F015	TV5613	317F	6	3370	87/03/18	87/08/01
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9000209	F015	TV5642	317F	6	3660	88/03/13	88/08/01
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9000209	F015	TV5651	317F	6	3611	88/03/18	88/08/01
9000209	F015	TV5652	317F	6	3611	88/03/18	88/08/01
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9000209	F015	TV5654	317F	6	3667	88/03/19	88/08/01

9000209	F015	TV5655	317F	6	3635	88/03/20	88/08/01
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9000209	F015	TV5660	317F	2	629	88/08/22	88/09/01
9000209	F015	TV5661	317F	4	1971	88/08/19	88/11/01
9000209	F015	TV5662	317F	7	4562	88/08/15	89/02/01
9000209	F015	TV5663	317F	7	4409	88/08/19	89/02/01
9000209	F015	TV5664	317F	7	4482	88/09/01	89/03/01
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9000209	F015	TV5667	317F	4	2654	88/09/01	88/12/01
9000209	F015	TV5668	317F	4	2805	88/09/01	88/12/01
9000209	F015	TV5669	317F	7	4251	88/08/19	89/02/01
9000209	F015	TV5670	317F	4	2064	88/08/19	88/11/01
9000209	F015	TV5671	317F	6	3562	88/08/15	89/01/01
9000209	F015	TV5672	317F	6	3698	88/08/15	89/01/01
9000209	F015	TV5673	317F	8	4523	88/08/30	89/03/01
9000209	F015	TV5674	317F	8	4498	88/08/29	89/03/01
9000209	F015	TV5675	317F	8	4492	88/08/29	89/03/01
9000209	F015	TV5676	317F	8	4492	88/08/29	89/03/01
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9000209	F015	TV5688	317F	7	4571	88/08/15	89/02/01
9000209	F015	TV5689	317F	7	4412	88/08/18	89/02/01
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9000209	F015	TV5697	317F	6	3799	89/02/18	89/07/01
9000209	F015	TV5698	317F	9	5872	89/02/18	89/10/01
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9000209	F015	TV5700	317F	7	4595	89/03/07	89/09/01
9000209	F015	TV5701	317F	7	4596	89/03/04	89/09/01
9000209	F015	TV5702	317F	7	4569	89/03/07	89/09/01
9000209	F015	TV5703	317F	6	3648	89/03/04	89/08/01
9000209	F015	TV5704	317F	8	4816	89/02/21	89/09/01
9000209	F015	TV5705	317F	9	5863	89/02/18	89/10/01
9000209	F015	TV5706	317F	9	5863	89/02/18	89/10/01
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9000209	F015	TV5711	317F	8	5731	89/03/06	89/10/01
9000209	F015	TV5712	317F	8	5650	89/03/03	89/10/01
9000209	F015	TV5713	317F	8	5649	89/03/03	89/10/01
9000209	F015	TV5714	317F	8	5649	89/03/03	89/10/01

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9000209 F015 TV5716 317F 9      5826   89/02/21   89/10/01
9000209 F015 TV5717 317F 9      5828   89/02/21   89/10/01
9000209 F015 TV5718 317F 7      2137   89/02/16   89/08/01
9000209 F015 TV5719 317F 4      679    89/02/24   89/05/01
9000209 F015 TV5720 317F 9      5858   89/02/18   89/10/01
9000209 F015 TV5721 317F 9      5813   89/02/22   89/10/01
9000209 F015 TV5722 317F 9      5832   89/02/21   89/10/01
9000209 F015 TV5723 317F 3      1742   89/03/04   89/05/01
9000209 F015 TV5724 317F 4      1828   89/02/22   89/05/01
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9000209 C022 319958 31O7 79     129    87/08/09   87/08/18
9000209 C022 319959 31O7 94     156    88/03/13   88/03/26
9000209 C022 319960 31O7 98     161    88/08/16   88/08/31
9000209 C022 319961 31O7 106    172    89/02/19   89/03/08
9000209 C022 319962 31O7 77     121    89/05/04   89/05/11
9000209 C022 319963 31O7 82     133    89/10/19   89/11/01
9000209 L153 L01132 31O7 130    130    87/03/16   87/03/20
9000209 L153 L01133 31O7 302    302    87/08/16   87/08/21
9000209 L153 L01134 31O7 481    481    88/03/12   88/03/27
9000209 L153 L01135 31O7 312    312    88/08/14   88/08/31
9000209 L153 L01136 31O7 452    452    89/02/25   89/03/04
9000209 L153 L01137 31O7 357    357    89/05/05   89/05/11
9000209 L153 L01138 31O7 711    711    89/10/18   89/11/01
9000209 F022 TV5141 31O7 63     3784   87/03/09   87/03/19
9000209 F022 TV5142 31O7 79     5260   87/08/09   87/08/18
9000209 F022 TV5143 31O7 94     7269   88/03/13   88/03/26
9000209 F022 TV5144 31O7 98     6959   88/08/16   88/08/31
9000209 F022 TV5145 31O7 106    7616   89/02/19   89/03/08
9000209 F022 TV5146 31O7 77     5794   89/05/04   89/05/11
9000209 F022 TV5243 31O7 82     5913   89/10/19   89/11/01
9000209 L121 L01131 32DB 142    1877   87/03/13   87/08/27
9000209 C116 077715 32O7 90     90     89/10/19   89/11/01
9000209 C116 077700 32O7 103    103    87/03/09   87/03/20
9000209 C116 077701 32O7 135    135    87/08/09   87/08/18
9000209 C116 077702 32O7 144    144    88/03/14   88/03/27
9000209 C116 077703 32O7 11     11     88/05/27   88/05/27
9000209 C116 077704 32O7 13     11     88/06/25   88/06/25
9000209 C116 077705 32O7 133    133    88/08/17   88/08/31
9000209 C116 077706 32O7 10     10     88/09/29   88/09/29
9000209 C116 077707 32O7 12     12     88/10/29   88/10/29
9000209 C116 077708 32O7 11     11     88/12/05   88/12/05
9000209 C116 077709 32O7 133    133    89/02/17   89/03/08
9000209 C116 077710 32O7 87     87     89/05/05   89/05/10
9000209 C116 077711 32O7 13     13     89/06/10   89/06/10
9000209 C116 077712 32O7 12     12     89/07/04   89/07/04
9000209 C116 077713 32O7 12     12     89/08/04   89/08/04
9000209 C116 077714 32O7 12     12     89/09/10   89/09/11
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9000209 F022 TV5242 32WC 20     2595   89/05/06   89/05/08

(166 rows affected)
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