

88 00050

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800050	039131	C128		0618	06DA	217	05/03/80	05/13/80	24	24
8800050	039132	C128		0618	06DA	251	03/29/84	04/06/84	53	53
8800050	039133	C128	0049	0623	06DA		04/07/84	04/07/84	1	1
8800050	039134	C128		0618	06DA	254/B	04/07/84	05/01/84	125	125
8800050	039135	C128		0618	06DA	254/B	08/28/85	09/10/85	73	73
8800050	039136	C128		0611	06DA	188/A	02/05/76	02/08/76	3	3
8800050	039137	C128		0611	06DA	188/B	03/02/76	03/08/76	44	44
8800050	039138	C128		0611	06DA	198	03/11/77	03/20/77	46	46
8800050	039139	C128	0049	0612	0699	002	01/04/81	01/06/81	4	4
8800050	039140	C128		0618	06DA	268	06/14/86	06/23/86	63	63
8800050	039141	C128		0618	06DA	268	07/11/86	07/13/86	7	7
8800050	039142	C128		0612	06PO	132	09/06/86	09/25/86	80	80
8800050	039143	C128		0612	06DA	221/1	09/08/80	09/14/80	28	28

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800050	070449	C116	0049	0612	06GA	075/A	05/11/85	05/14/85	17	17
8800050	070450	C116	0049	0612	0699	011	01/09/85	01/18/85	18	18
8800050	070451	C116	0049	0612	0699	011	02/04/85	02/04/85	1	1
8800050	070452	C116		0618	06DA	217	05/05/80	05/13/80	14	14
8800050	070453	C116		0618	06DA	254/B	04/21/84	04/21/84	1	1
8800050	070454	C116	0049	0612	0699	019	05/04/84	05/13/84	19	19
8800050	070455	C116	0049	0612	0699	019	05/31/84	06/10/84	20	20
8800050	070456	C116		0612	0699		01/29/86	02/08/86	21	21
8800050	070457	C116		0612	0699		02/23/86	03/05/86	20	20
8800050	070458	C116		0612	0699		01/19/86	01/27/86	15	15
8800050	070459	C116		0612	0699		02/13/86	02/25/86	39	39
8800050	070460	C116		0612	0699		03/16/86	03/27/86	22	22
8800050	070461	C116		0612	0699		10/14/85	10/23/85	19	19
8800050	070462	C116		0612	0699		11/13/85	11/13/85	2	2
8800050	070463	C116		0612	0699		12/02/85	12/10/85	15	15
8800050	070464	C116		0612	0699		12/31/85	01/02/86	5	5
8800050	070465	C116		0612	0699		09/21/85	10/03/85	22	22
8800050	070466	C116		0612	0699		10/19/85	10/27/85	16	16
8800050	070467	C116		0612	0699		04/07/86	04/15/86	17	17
8800050	070468	C116		0612	0699		05/11/86	05/20/86	19	19
8800050	070469	C116		0612	0699		12/23/80	01/07/81	93	93
8800050	070470	C116		0612	0699		01/18/81	01/19/81	8	8
8800050	070471	C116		0618	06WH	075/C	03/28/78	04/02/78	23	23
8800050	070472	C116		0611	0699		08/14/84	08/23/84	59	59
8800050	070473	C116		0611	0699		09/10/84	09/30/84	87	87
8800050	070474	C116		0611	0699		10/17/84	11/29/84	261	261
8800050	070475	C116		0611	0699		12/12/84	12/29/84	55	55
8800050	070476	C116		0612	0699		08/10/86	08/20/86	19	19
8800050	070477	C116		0612	0699		09/06/86	09/16/86	20	20
8800050	070478	C116		0612	0699		06/20/86	06/28/86	17	17
8800050	070479	C116		0612	0699		07/17/86	07/25/86	12	12
8800050	070480	C116		0612	06AZ		10/16/86	10/19/86	16	16
8800050	070481	C116		0618	0699		12/29/85	01/02/86	23	23
8800050	070482	C116		0618	0699		01/22/86	01/27/86	64	64
8800050	070483	C116		0612	06DA	221/1	09/04/80	09/05/80	34	34
8800050	070484	C116		0612	06DA	221/2	09/27/80	09/30/80	6	6
8800050	070485	C116		0612	06BE		10/23/85	11/22/85	17	17
8800050	070486	C116		0612	06BE		12/04/85	12/14/85	5	5
8800050	070487	C116		0612	06BE		12/27/85	01/15/86	45	45
8800050	070488	C116	0049	0612	06FI	098	06/23/86	06/26/86	22	22
8800050	070489	C116	0049	0612	06FI	098	07/22/86	08/02/86	10	10

MISSION NO. 8800050 FILETYPE SD BATHY CHEM

BLOCK NO.

PROJECT IDENTIFICATION GERMANY

8800050

**SD
BATHY
CHEM**

GERMANY

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRCL	BLK SIZE	NO. RECORDS
TAPE	03/21/88	CUMH	A00677	1	80	2000	8979
DATE TAPE	04/21/88	CUMH	W12878 *	1	80	2000	
UNMATTED TAPE	9-28-88	R.P. STEIN	* *	1 per TAPE	V	VB	(C)
UNMATTED DISK						 	
MULCHEK							
MULCHEK							
OR F022							
SET FINALIZED							

AS REPORTED TO PRINCIPAL INVESTIGATOR: * DNODC * 8800050-01.
Tape is 9 TRK, SL, 6250 bpi

*X MBT = W01453
DNODC * GERMANMOUT.

XBT = W01856
DNODC * GERMANXOUT.

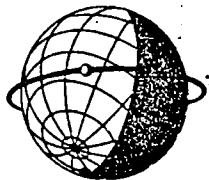
ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

MENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

(C) 1,217 XBT obs.
550 MAT obs

TRANSMITTAL AND RECEIPT RECORD

(Transmittal Notice)



WORLD DATA CENTER A

Oceanography

National Oceanic and Atmospheric Administration
Washington, D. C. 20235, U.S.A.

CABLE ADDRESS: WORLDATA

TEL: AREA CODE (202) 343-4064

39.0/4 (8.III.88)

TO: Dr. A. R. Picciolo
NODC
Code E/OC13

REFER TO:

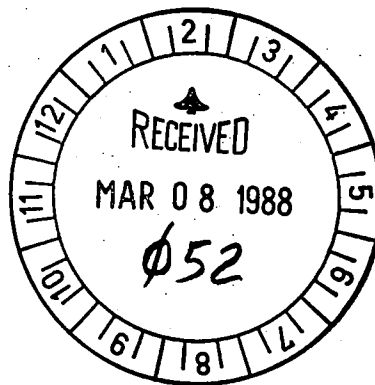
ATTENTION:

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

☐ Surface Mail ☐ Air Mail ☐ Registered Mail ☐ Surface Parcel Post ☐ Air Parcel Post ☒ By Hand ☐ Other _____

One magnetic tape (6250 bpi) received from the German DOD containing oceanographic station data, chemical, and bathythermograph data taken by German vessels during the periods 1973, 75-78, 80-82, and 84-87.

Copy of forwarding letter and list of cruises.



8800050
A00677

Ron

FORWARDED BY (Signature)

Ronald E. Moffatt

DATE FORWARDED

TITLE

Associate Director

8 March 1988

F. M. Muehl

8800050
A00677

DEUTSCHES HYDROGRAPHISCHES INSTITUT

Bundesoberbehörde im Geschäftsbereich des Bundesministers für Verkehr

Neue Postfachanschrift:
Postfach 30 12 20, 2 HH 36

Deutsches Hydrographisches Institut, Postfach 30 12 20, 2000 Hamburg 4

AIR MAIL

World Data Center A

- Oceanography -

NOAA

1852 Connecticut Avenue, NW

Washington, D.C. 20235

U S A

Dienstgebäude: Bernhard-Nocht-Straße 78

Fernsprecher: (0 40) 31 90 - 755
oder 31 90 - 1

Fernschreiber: 02 11 138 bmvhh d

Telegramme: Hydrodienst Hamburg

Telefax: (0 40) 31 90 - 51 50

4832/88 DOD

Bei Rückantwort bitte angeben

HAMBURG, den 29. Januar 1988

Dear Colleagues:

Under separate cover we have forwarded a magnetic tape and a corresponding listing containing oceanographic station data, chemical data, and bathythermograph data taken by German vessels.

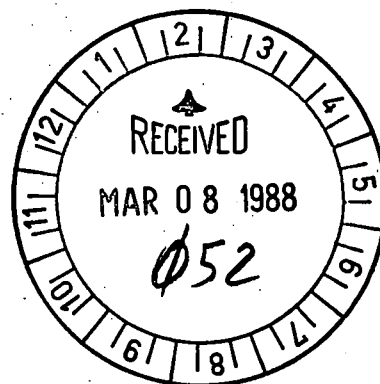
The magnetic tape is written in ASCCI with 6,250 bpi recording density. The block length is 2,000 characters, with a physical record length of 80 characters.

Enclosed with this letter please find a copy of the cruise list for the data shipment.

Sincerely yours,

C. Brockmann

C. Brockmann



CRUISE AND LEG NO.	NAME OF PROJECT	CRUISE PERIOD	AREA OF OPERATION	N U M B E R SERIAL STD/CTD	O F S T A T I O N S SURFACE BT/XBT CHEMICAL	N U M B E R RECORDS
ANTON DOHRN						
170		29.11.73 - 18.12.73	NORTH SEA		0042	0042
184	PRE-FLEX	01.07.75 - 18.07.75	NORTH SEA		0109	0109
188/B	YHS	02.02.76 - 23.03.76	NW-ATLANTIC		0047 0047	0431
198	YHS	26.02.77 - 07.04.77	NW-ATLANTIC		0046	0102
217		26.04.80 - 21.05.80	DAVIS STRAIT		0038	0116
221/1	LARVAL M	04.09.80 - 20.09.80	NW-SCOTLAND		0062	0132
221/2		22.09.80 - 03.10.80	NW-SCOTLAND		0006	0012
251	MACKEREL	26.03.84 - 04.05.84	NE-ATLANTIC		0180	0394
254/B	HLS	04.09.84 - 21.09.84	NORTH SEA	0249		0249
261/A		26.08.85 - 12.09.85	NORTH SEA	0108	0073	0255
261/B		14.09.85 - 29.09.85	NW-EUROPE-SHELF	0072		0477
263		07.12.85 - 19.12.85	BALTIC SEA		0052	0156
264/1		03.01.86 - 18.01.86	NORTH SEA		0064	0189
268		12.06.86 - 30.07.86	NORTH SEA		0070	0173
WALTHER HERWIG						
075/C		23.02.78 - 10.04.78	ANTARCTIC		0023	0064
123		06.12.86 - 19.12.86	BALTIC SEA		0060	0230
124		05.01.87 - 19.01.87	NORTH SEA		0060	0180
POSEIDON						
031	JASIN	19.08.78 - 05.09.78	NE-ATLANTIC		0107	0107
132		03.09.86 - 28.09.86	NORTH SCOTLAND	0082	0080	0496
136	IHLS	13.01.87 - 23.01.87	ENGLISH CHANNEL	0061		0183
051	IGOSS	13.10.86 - 26.10.86	NORWEGIAN SEA		0016	0077
GAUSS						
250		05.08.75 - 15.08.75	GERMAN BIGHT		0050	0322
277	UEBERU	28.03.77 - 01.04.77	GERMAN BIGHT		0018	0018
298		08.05.78 - 11.05.78	NORTH SEA	0040		0119
METEOR						
063	BALMON	27.10.82 - 02.12.82	BALTIC SEA		0013	0156
VICTOR HENSEN						
074	FLEX	16.09.76 - 23.09.76	NORTH SEA		0025	0066
002		03.02.81 - 04.02.81	WESER		0012	0127

CRUISE AND LEG NO.	NAME OF PROJECT	CRUISE PERIOD	AREA OF OPERATION	NUMBER SERIAL	OF STD/CTD	STATIONS SURFACE	BT/XBT	CHEMICAL	NUMBER OF RECORDS
SHIP CHARTERED									
002		21.12.80 - 13.03.81	WEDDEL SEA				0105		0349
	IGOSS	29.12.85 - 27.01.86	N-ATLANTIC				0087		0327
SOLEA									
030		10.05.76 - 15.05.76	NORTH SEA					0009	0027
067	UFN	29.08.78 - 11.09.78	BALTIC SEA					0005	0034
156		08.06.83 - 21.06.83	NORTH SEA					0005	0015
159		29.08.83 - 07.09.83	NORTH SEA					0032	0064
194		06.06.85 - 19.06.85	NORTH SEA			0057		0009	0084
195		28.06.85 - 10.07.85	NORTH SEA					0068	0204
196		12.08.85 - 17.08.85	BALTIC SEA					0001	0006
197		18.08.85 - 23.08.85	NORTH SEA					0036	0108
203		05.12.85 - 10.12.85	BALTIC SEA					0003	0021
206		23.01.86 - 27.01.86	BALTIC SEA					0002	0018
209		07.03.86 - 25.03.86	BALTIC SEA					0009	0060
214		24.07.86 - 04.08.86	GERMAN BIGHT					0041	0123
221		25.11.86 - 01.12.86	BALTIC SEA					0004	0028
SHIP OF OPPORTUNITY									
019	IGOSS	28.04.84 - 14.06.84	N+S ATLANTIC				0039		0168
	KLIMAPR.	14.08.84 - 23.08.84	NE+NW-ATLANTIC				0059		1290
	KLIMAPR.	10.09.84 - 17.09.84	NE+NW-ATLANTIC				0042		0959
	KLIMAPR.	22.09.84 - 01.10.84	NE+NW-ATLANTIC				0045		0987
	KLIMAPR.	17.10.84 - 25.10.84	NE+NW-ATLANTIC				0042		0909
	KLIMAPR.	26.10.84 - 04.11.84	NE+NW-ATLANTIC				0045		0936
	KLIMAPR.	07.11.84 - 16.11.84	NE+NW-ATLANTIC				0050		1093
	KLIMAPR.	10.11.84 - 28.11.84	NE+NW-ATLANTIC				0052		1107
	KLIMAPR.	17.11.84 - 29.11.84	NE+NW-ATLANTIC				0072		1632
	KLIMAPR.	12.12.84 - 17.12.84	NE+NW-ATLANTIC				0022		0489
	KLIMAPR.	24.12.84 - 30.12.84	NE+NW-ATLANTIC				0033		0739
011	IGOSS	06.01.85 - 16.02.85	N+S-ATLANTIC				0019		0126
	BALMON	25.03.85 - 11.10.85	BALTIC SEA					0034	0102
029	IGOSS	19.09.85 - 04.11.85	N+S-ATLANTIC				0038		0227
017	IGOSS	11.10.85 - 27.11.85	N+S-ATLANTIC				0021		0124
018	IGOSS	02.12.85 - 02.01.86	N+S-ATLANTIC				0020		0111
019	IGOSS	19.01.86 - 24.02.86	N+S-ATLANTIC				0037		0196
019	IGOSS	29.01.86 - 05.03.86	N+S-ATLANTIC				0041		0295
	BALMON	10.02.86 - 31.10.86	BALTIC SEA					0043	0129
032	IGOSS	17.02.86 - 27.03.86	N+S-ATLANTIC				0039		0231
	IGOSS	07.04.86 - 21.05.86	N+S-ATLANTIC				0036		0245
034	IGOSS	20.06.86 - 25.07.86	N+S-ATLANTIC				0029		0158
035	IGOSS	06.08.86 - 25.09.86	N+S-ATLANTIC				0039		0236
FRITHJOF									
098	IGOSS	23.06.86 - 02.08.86	NE-ATLANTIC				0032		0135
		23.10.85 - 15.01.86	SE-PACIFIC				0067		0543

CRUISE AND LEG NO.	NAME OF PROJECT	CRUISE PERIOD	AREA OF OPERATION	NUMBER SERIAL STD/CTD	OF SURFACE	STATIONS BT/XBT	CHEMICAL	NUMBER OF RECORDS
GAUSS II								
002		11.06.80 - 17.06.80	NORTH SEA		0011			0011
004/A		08.07.80 - 18.07.80	NORTH SEA	0040				0127
004/B		21.07.80 - 30.07.80	GERMAN BIGHT				0050	0150
025		26.10.81 - 10.11.81	ENGLISH CHANNEL		0016			0016
036/A	BALMON	11.08.82 - 20.08.82	BALTIC SEA				0023	0162
038/A	FRONTEX	06.10.82 - 19.10.82	GERMAN BIGHT		0039			0039
038/B		20.10.82 - 28.10.82	NORTH SEA				0004	0008
044		06.04.83 - 10.04.83	GERMAN BIGHT				0013	0039
053		02.10.83 - 07.10.83	GERMAN BIGHT				0009	0033
059/B	UEBERW.	12.03.84 - 16.03.84	GERMAN BIGHT	0024				0072
067/B	FRONTEX	10.10.84 - 25.10.84	GERMAN BIGHT		0037			0037
075/A	IGOSS	04.05.85 - 16.05.85	NORTH SEA			0017		0041
077/B		16.07.85 - 23.07.85	GERMAN BIGHT				0006	0024
078	BALMON	13.08.85 - 30.08.85	NORTH+BALTIC				0050	0302
088/B		09.08.86 - 14.08.86	GERMAN BIGHT				0010	0030
089/A	UEBERW.	20.08.86 - 26.08.86	NORTH SEA				0021	0118
089/B	BALMON	27.08.86 - 04.09.86	BALTIC SEA				0025	0153

TOTAL :	00319	00000	00793	01769	00895	020979
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USER NAME <i>Cliff Hartley</i>	PHONE # <i>673-5636</i>	ORG/TASK # <i>EG130D8N3AH9</i>	DATE SUBMITTED <i>03/29/88</i>	DATE DUE <i>ASAP</i>	BIN # <i>Bin 09</i>
EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED					

Copy to 'W' tape
Scan 'W' tape

INPUT MEDIUM PAPER CARD DISK <u>TAPE</u> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK <u>PRINT</u> <u>TAPE</u> PLOT DISKETTE OTHER(SPECIFY)
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TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	<i>A00677</i>		<i>9</i>	<i>(6250)0DD</i>		<i>NL</i>	<i>FB</i>	<i>80</i>	<i>2000</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	<i>W12873</i>		<i>9</i>	<i>(6250)0DD</i>		<i>SL</i>	<i>FB</i>	<i>80</i>	<i>2000</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME <i>DNADC*8800050-01</i>			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

*Please send 'W' tape
to Asheville, N.C.*

ESTIMATED
EXECUTION
TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>8803302</i>	<i>4/21/88</i>	<i>15:00</i>	<i>15:45</i>	<i>C</i>	<i>COMPLETED BY ANDY</i>

COMMENTS

Scan tape

INPUT MEDIUM PAPER CARD DISK <u>TAPE</u> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK <u>PRINT</u> TAPE PLOT DISKETTE OTHER(SPECIFY)
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TAPE/DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
A00677		9	6250					2000 6250	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS Please return tape A00677 to Bin 09	ESTIMATED EXECUTION TIME
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1 USE ONLY					DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	
82031807	03/21/88	11:00	11:05	C	COMPLETED BY J.S.

REMARKS

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800050	062115	C100		0612	06DA	261/B	09/15/85	09/27/85	72	1,414
8800050	062116	C100		0612	06PO	132	09/16/86	09/25/86	83	1,630
8800050	062117	C100		0612	06PO	136	01/13/87	01/23/87	61	1,198
8800050	062118	C100		0612	06GA	298	05/08/78	05/10/78	40	785
8800050	062119	C100		0612	06GA	004/A	07/08/80	07/10/80	40	785
8800050	062120	C100		0612	06GA	059/B	03/13/84	03/15/84	23	451

ACCESSION NO 8800050FILETYPE C100

TRACK NO. _____

06 2115 - 2120PROJECT
IDENTIFICATION _____

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	3/21/88	C.M.H.	A00677	1	80	2000	20,979
DUPLICATE TAPE	4/21/88	↓	W12878 (X)	1	80	2000	
REFORMATTED TAPE Disk	10-4-88	R.P.S.	REFORMAT DNO DC * GERMAN STA.				
REFORMATTED DISK	10-5-88	M.R.L.	* L088410 (Q00-only)	1	80	2000	5847
FIRST MULCHEK SDI format	10/13/88	MRL	L02442 DSN=IC0388	1	112	2240	
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* DSN = GERMANOUT/

(ORIGINATOR'S TAPE CONTAINS ALSO
C128 DATA & C116 DATA)

REF# 39131-43 & 70449-489

(X) DSN = DNO DC * 8800050-01.

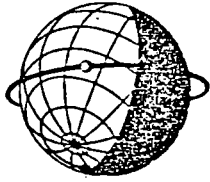
ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

(1) DISK Data Set = GERMANOUT/

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

TRANSMITTAL AND RECEIPT RECORD

(Transmittal Notice)



WORLD DATA CENTER A

Oceanography

National Oceanic and Atmospheric Administration
Washington, D. C. 20235, U.S.A.

CABLE ADDRESS: WORLDATA

TEL: AREA CODE (202) 343-4064

39.0/4(8.III.88)

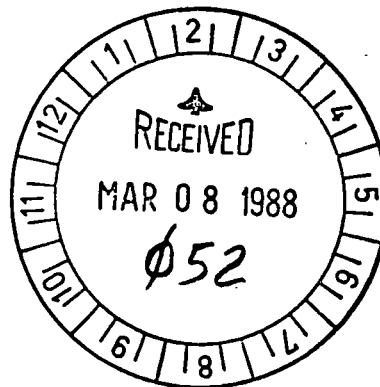
TO: Dr. A. R. Picciolo NODC Code E/OC13	REFER TO: ATTENTION:
--	---

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

☐ Surface Mail
 ☐ Air Mail
 ☐ Registered Mail
 ☐ Surface Parcel Post
 ☐ Air Parcel Post
 ☒ By Hand
 ☐ Other _____

One magnetic tape (6250 bpi) received from the German DOD containing oceanographic station data, chemical, and bathythermograph data taken by German vessels during the periods 1973, 75-78, 80-82, and 84-87.

Copy of forwarding letter and list of cruises.



8800050
A00677

Rm

FORWARDED BY (Signature) Ronald E. Moffatt Associate Director	DATE FORWARDED 8 March 1988
---	---------------------------------------

8800050
A00677

DEUTSCHES HYDROGRAPHISCHES INSTITUT

Bundesoberbehörde im Geschäftsbereich des Bundesministers für Verkehr

Neue Postfachanschrift:
Postfach 30 12 70, 2 HH 36

Deutsches Hydrographisches Institut, Postfach 2 20, 2000 Hamburg 4

AIR MAIL

World Data Center A
- Oceanography -
NOAA
1852 Connecticut Avenue, NW

Washington, D.C. 20235
U S A

Dienstgebäude: Bernhard-Nocht-Straße 78

Fernsprecher: (040) 31 90 - 755
oder 31 90 - 1

Fernschreiber: 02 11 138 bmvhh d

Telegramme: Hydrodienst Hamburg

Telefax: (040) 31 90 - 51 50

4832/88 DOD

Bei Rückantwort bitte angeben

HAMBURG, den 29. Januar 1988

Dear Colleagues:

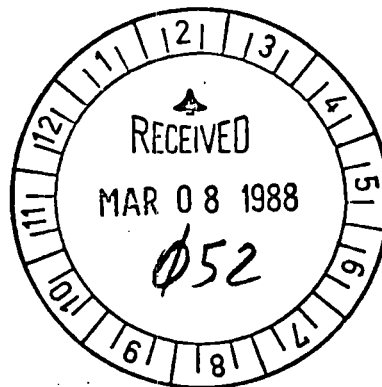
Under separate cover we have forwarded a magnetic tape and a corresponding listing containing oceanographic station data, chemical data, and bathythermograph data taken by German vessels.

The magnetic tape is written in ASCII with 6,250 bpi recording density. The block length is 2,000 characters, with a physical record length of 80 characters.

Enclosed with this letter please find a copy of the cruise list for the data shipment.

Sincerely yours,

C. Brockmann
C. Brockmann



USER NAME <i>Cliff Hartley</i>	PHONE # <i>673-5636</i>	ORG/TASK # <i>EG130D8N3AH9</i>	DATE SUBMITTED <i>03/29/88</i>	DATE DUE <i>ASAP</i>	BIT # <i>B14</i>
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

Copy to 'W' tape
Scan 'W' tape

INPUT MEDIUM PAPER CARD DISK <u>TAPE</u> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK <u>PRINT</u> <u>TAPE</u> PLOT DISKETTE OTHER(SPECIFY)
--	---

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	<i>A00677</i>		<i>9</i>	<i>6250</i>	<i>ODD</i>	<i>NL</i>	<i>FB</i>	<i>80</i>	<i>2000</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	<i>W17878</i>		<i>9</i>	<i>6250</i>	<i>ODD</i>	<i>SL</i>	<i>FB</i>	<i>80</i>	<i>2000</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME <i>DMDC*8800050-01</i>			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED
EXECUTION
TIME

*Please send 'W' tape
to Asheville, N.C.*

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>2803302</i>	<i>4/21/88</i>	<i>15:00</i>	<i>15:45</i>	<i>C</i>	<i>COMPLETED BY ANDY</i>

COMMENTS

Ben
09

ERTS

DEUTSCHES OCEANOGRAPHISCHES DATENZENTRUM (DOD), HAMBURG.

DELIVERY OF OCEANOGRAPHIC DATA COLLECTED BY GERMAN PLATFORMS TO WDC-A (OCEANOGRAPHY).

CRUISE AND LEG NO.	NAME OF PROJECT	CRUISE PERIOD	AREA OF OPERATION	NUMBER		OF STATIONS			NUMBER OF RECORDS
				SERIAL	STD/CTD	SURFACE	BT/XBT	CHEMICAL	
ANTON DÖHRN									
170		29.01.77 - 18.12.73	NORTH SEA			0042			0042
184	PRE-FLEX	01.07.75 - 18.07.75	NORTH SEA			0109			0109
188/B	YHS	02.02.76 - 23.03.76	NW-ATLANTIC				0047	0047	0431
198	YHS	26.02.77 - 07.04.77	NW-ATLANTIC				0046		0102
217		26.04.80 - 21.05.80	DAVIS STRAIT				0038		0116
221/1	LARVAL M	04.09.80 - 20.09.80	NW-SCOTLAND				0062		0132
221/2		22.09.80 - 03.10.80	NW-SCOTLAND				0006		0012
251	MACKEREL	26.03.84 - 04.05.84	NE-ATLANTIC				0180		0394
254/B	HLS	04.09.84 - 21.09.84	NORTH SEA			0249			0249
261/A		26.08.85 - 12.09.85	NORTH SEA			0108	0073		0255
261/B		14.09.85 - 29.09.85	NW-EUROPE-SHELF	0072					0477
263		07.12.85 - 19.12.85	BALTIC SEA					0052	0156
264/1		03.01.86 - 18.01.86	NORTH SEA					0064	0189
268		12.06.86 - 30.07.86	NORTH SEA				0070		0173
WALTHER HERWIG									
075/C		23.02.78 - 10.04.78	ANTARCTIC				0023		0064
123		06.12.86 - 19.12.86	BALTIC SEA					0060	0230
124		05.01.87 - 19.01.87	NORTH SEA					0060	0180
POSEIDON									
031	JASIN	19.08.78 - 05.09.78	NE-ATLANTIC			0107			0107
132		03.09.86 - 20.09.86	NORTH SCOTLAND	0082			0080		0496
136	IHLS	13.01.87 - 23.01.87	ENGLISH CHANNEL	0061					0183
GAUSS									
250		05.08.75 - 15.08.75	GERMAN BIGHT					0050	0322
277	UEBERU	28.03.77 - 01.04.77	GERMAN BIGHT			0018			0018
298		08.05.78 - 11.05.78	NORTH SEA	0040					0119
METEOR									
063	BALMON	27.10.82 - 02.12.82	BALTIC SEA					0013	0156
VICTOR HENSEN									
074	FLEX	16.09.76 - 23.09.76	NORTH SEA					0025	0066
002		03.02.81 - 04.02.81	WESER					0012	0127

CRUISE LEG NO.	NAME OF PROJECT	CRUISE PERIOD	AREA OF OPERATION	NUMBER SERIAL STD/CTD	OF SURFACE	STATIONS BT/XBT	CHEMICAL	NUMBER OF RECORDS
SHIP CHARTERED								
002	IGOSS	21.12.80 - 13.03.81	WEDDEL SEA			0105		0349
		29.12.85 - 27.01.86	N-ATLANTIC			0087		0327
SOLEA								
030	UFN	10.05.76 - 15.05.76	NORTH SEA			0009		0027
067		29.08.78 - 11.09.78	BALTIC SEA			0005		0034
156		08.06.83 - 21.06.83	NORTH SEA			0005		0015
159		29.08.83 - 07.09.83	NORTH SEA			0032		0064
194		06.06.85 - 19.06.85	NORTH SEA	0057		0009		0084
195		28.06.85 - 10.07.85	NORTH SEA			0068		0204
196		12.08.85 - 17.08.85	BALTIC SEA			0001		0006
197		18.08.85 - 23.08.85	NORTH SEA			0036		0108
203		05.12.85 - 10.12.85	BALTIC SEA			0003		0021
206		23.01.86 - 27.01.86	BALTIC SEA			0002		0018
209		07.03.86 - 25.03.86	BALTIC SEA			0009		0060
214		24.07.86 - 04.08.86	GERMAN BIGHT			0041		0123
221		25.11.86 - 01.12.86	BALTIC SEA			0004		0028
SHIP OF OPPORTUNITY								
019	IGOSS	28.04.84 - 14.06.84	N+S ATLANTIC			0039		0168
	KLIMAPR.	14.08.84 - 23.08.84	NE+NW-ATLANTIC			0059		1290
	KLIMAPR.	10.09.84 - 17.09.84	NE+NW-ATLANTIC			0042		0959
	KLIMAPR.	22.09.84 - 01.10.84	NE+NW-ATLANTIC			0045		0987
	KLIMAPR.	17.10.84 - 25.10.84	NE+NW-ATLANTIC			0042		0909
	KLIMAPR.	26.10.84 - 04.11.84	NE+NW-ATLANTIC			0045		0936
	KLIMAPR.	07.11.84 - 16.11.84	NE+NW-ATLANTIC			0050		1093
	KLIMAPR.	10.11.84 - 28.11.84	NE+NW-ATLANTIC			0052		1107
	KLIMAPR.	17.11.84 - 29.11.84	NE+NW-ATLANTIC			0072		1632
	KLIMAPR.	12.12.84 - 17.12.84	NE+NW-ATLANTIC			0022		0489
	KLIMAPR.	24.12.84 - 30.12.84	NE+NW-ATLANTIC			0033		0739
011	IGOSS	06.01.85 - 16.02.85	N+S-ATLANTIC			0019		0126
	BALMON	25.03.85 - 11.10.85	BALTIC SEA				0034	0102
029	IGOSS	19.09.85 - 04.11.85	N+S-ATLANTIC			0038		0227
017	IGOSS	11.10.85 - 27.11.85	N+S-ATLANTIC			0021		0124
018	IGOSS	02.12.85 - 02.01.86	N+S-ATLANTIC			0020		0111
019	IGOSS	19.01.86 - 24.02.86	N+S-ATLANTIC			0037		0196
019	IGOSS	29.01.86 - 05.03.86	N+S-ATLANTIC			0041		0295
	BALMON	10.02.86 - 31.10.86	BALTIC SEA				0043	0129
032	IGOSS	17.02.86 - 27.03.86	N+S-ATLANTIC			0039		0231
	IGOSS	07.04.86 - 21.05.86	N+S-ATLANTIC			0036		0245
034	IGOSS	20.06.86 - 25.07.86	N+S-ATLANTIC			0029		0158
035	IGOSS	06.08.86 - 25.09.86	N+S-ATLANTIC			0039		0236
FRITHJOF								
098	IGOSS	23.06.86 - 02.08.86	NE-ATLANTIC			0032		0135
		23.10.85 - 15.01.86	SE-PACIFIC			0067		0543

CRUISE LEG NO.	NAME OF PROJECT	CRUISE PERIOD	AREA OF OPERATION	NUMBER SERIAL STD/CTD	OF SURFACE	STATIONS BT/XBT	CHEMICAL	NUMBER OF RECORDS
GAUSS II								
002		11.06.80 - 17.06.80	NORTH SEA		0011			0011
004/A		08.07.80 - 18.07.80	NORTH SEA	0040				0127
004/B		21.07.80 - 30.07.80	GERMAN BIGHT				0050	0150
025		26.10.81 - 10.11.81	ENGLISH CHANNEL		0016			0016
036/A	BALMON	11.08.82 - 20.08.82	BALTIC SEA				0023	0162
038/A	FRONTEX	06.10.82 - 19.10.82	GERMAN BIGHT		0039			0039
038/B		20.10.82 - 28.10.82	NORTH SEA				0004	0008
044		06.04.83 - 10.04.83	GERMAN BIGHT				0013	0039
053		02.10.83 - 07.10.83	GERMAN BIGHT				0009	0033
059/B	UEBERW.	12.03.84 - 16.03.84	GERMAN BIGHT	0024				0072
067/B	FRONTEX	10.10.84 - 25.10.84	GERMAN BIGHT		0037			0037
075/A	IGOSS	04.05.85 - 16.05.85	NORTH SEA			0017		0041
077/B		16.07.85 - 23.07.85	GERMAN BIGHT				0006	0024
078	BALMON	13.08.85 - 30.08.85	NORTH+BALTIC				0050	0302
080/B		09.08.86 - 14.08.86	GERMAN BIGHT				0010	0030
089/A	UEBERW.	20.08.86 - 26.08.86	NORTH SEA				0021	0118
089/B	BALMON	27.08.86 - 04.09.86	BALTIC SEA				0025	0153

TOTAL :	00319	00000	00793	01769	00895	020979
=====						

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
-----	----	-----	----	----	-----	-----	-----	-----
8800050	C116	070473	9999	0611	0699	1984/09/10	NULL	177351
8800050	C116	070474	9999	0611	0699	1984/10/17	NULL	177352
8800050	C128	039139	0049	0612	0699	1981/01/04	002	177301
8800050	C116	070451	0049	0612	0699	1985/02/04	011	177313
8800050	C116	070454	0049	0612	0699	1984/05/04	019	177316
8800050	C116	070456	9999	0612	0699	1986/01/29	NULL	177317
8800050	C116	070457	9999	0612	0699	1986/02/23	NULL	177318
8800050	C116	070458	9999	0612	0699	1986/01/20	NULL	177319
8800050	C116	070459	9999	0612	0699	1986/02/13	NULL	177320
8800050	C116	070460	9999	0612	0699	1986/03/17	NULL	177321
8800050	C116	070461	9999	0612	0699	1985/10/14	NULL	177322
8800050	C116	070462	9999	0612	0699	1985/11/13	NULL	177323
8800050	C116	070463	9999	0612	0699	1985/12/02	NULL	177324
8800050	C116	070464	9999	0612	0699	1986/01/01	NULL	177325
8800050	C116	070465	9999	0612	0699	1985/09/21	NULL	177326
8800050	C116	070466	9999	0612	0699	1985/10/19	NULL	177327
8800050	C116	070467	9999	0612	0699	1986/04/07	NULL	177328
8800050	C116	070468	9999	0612	0699	1986/05/12	NULL	177329
8800050	C116	070469	9999	0612	0699	1980/12/23	NULL	177330
8800050	C116	070470	9999	0612	0699	1981/01/18	NULL	177331
8800050	C116	070472	9999	0611	0699	1984/08/14	NULL	177333
8800050	C116	070475	9999	0611	0699	1984/12/12	NULL	177334
8800050	C116	070476	9999	0612	0699	1986/08/11	NULL	177335
8800050	C116	070477	9999	0612	0699	1986/09/07	NULL	177336
8800050	C116	070478	9999	0612	0699	1986/06/20	NULL	177337
8800050	C116	070479	9999	0612	0699	1986/07/18	NULL	177338
8800050	C116	070481	9999	0618	0699	1985/12/29	NULL	177340
8800050	C116	070482	9999	0618	0699	1986/01/22	NULL	177341
8800050	C116	070450	0049	0612	0699	1985/01/09	011	177349
8800050	C116	070455	0049	0612	0699	1984/05/31	019	177350
8800050	C116	070480	9999	0612	06AZ	1986/10/16	NULL	177339
8800050	C116	070485	9999	0612	06BE	1985/10/23	NULL	177344
8800050	C116	070486	9999	0612	06BE	1985/12/04	NULL	177345
8800050	C116	070487	9999	0612	06BE	1985/12/27	NULL	177346
8800050	C128	039131	9999	0618	06DA	1980/05/03	217	177293
8800050	C128	039132	9999	0618	06DA	1984/03/29	251	177294
8800050	C128	039133	0049	0623	06DA	1984/04/07	NULL	177295
8800050	C128	039134	9999	0618	06DA	1984/04/07	254/B	177296
8800050	C128	039135	9999	0618	06DA	1985/08/28	254/B	177297
8800050	C128	039136	9999	0611	06DA	1976/02/05	188/A	177298
8800050	C128	039137	9999	0611	06DA	1976/03/02	188/B	177299
8800050	C128	039138	9999	0611	06DA	1977/03/11	198	177300
8800050	C128	039140	9999	0618	06DA	1986/06/14	268	177302
8800050	C128	039141	9999	0618	06DA	1986/07/11	268	177303
8800050	C128	039143	9999	0612	06DA	1980/09/08	221/1	177305
8800050	C100	062115	9999	0612	06DA	1985/09/15	261/B	177306
8800050	C116	070452	9999	0618	06DA	1980/05/05	217	177314
8800050	C116	070453	9999	0618	06DA	1984/04/21	254/B	177315
8800050	C116	070483	9999	0612	06DA	1980/09/04	221/1	177342
8800050	C116	070484	9999	0612	06DA	1980/09/27	221/2	177343
8800050	C116	070488	0049	0612	06FI	1986/06/23	098	177347
8800050	C116	070489	0049	0612	06FI	1986/07/22	098	177348
8800050	C100	062118	9999	0612	06GA	1978/05/08	298	177309
8800050	C100	062119	9999	0612	06GA	1980/07/08	004/A	177310
8800050	C100	062120	9999	0612	06GA	1984/03/13	059/B	177311
8800050	C116	070449	0049	0612	06GA	1985/05/11	075/A	177312

8800050	C128	039142	9999	0612	06PO	1986/09/06	132	177304
8800050	C100	062116	9999	0612	06PO	1986/09/06	132	177307
8800050	C100	062117	9999	0612	06PO	1987/01/13	136	177308
8800050	C116	070471	9999	0618	06WH	1978/03/28	075/C	177332

(60 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	----	-----	----	-----	-----	-----	-----
8800050	C116	070473	0699	87	87	84/09/10	84/09/30
8800050	C116	070474	0699	261	261	84/10/17	84/11/29
8800050	C128	039139	0699	4	4	81/01/04	81/01/06
8800050	C116	070451	0699	1	1	85/02/04	85/02/04
8800050	C116	070454	0699	19	16	84/05/04	84/05/13
8800050	C116	070456	0699	21	11	86/01/29	86/02/08
8800050	C116	070457	0699	20	6	86/02/23	86/03/04
8800050	C116	070458	0699	15	8	86/01/20	86/01/27
8800050	C116	070459	0699	39	24	86/02/13	86/02/25
8800050	C116	070460	0699	22	1	86/03/17	86/03/27
8800050	C116	070461	0699	19	8	85/10/14	85/10/23
8800050	C116	070462	0699	2	1	85/11/13	85/11/13
8800050	C116	070463	0699	15	3	85/12/02	85/12/10
8800050	C116	070464	0699	5	4	86/01/01	86/01/02
8800050	C116	070465	0699	22	4	85/09/21	85/10/03
8800050	C116	070466	0699	16	3	85/10/19	85/10/27
8800050	C116	070467	0699	17	1	86/04/07	86/04/15
8800050	C116	070468	0699	19	1	86/05/12	86/05/21
8800050	C116	070469	0699	93	91	80/12/23	81/01/07
8800050	C116	070470	0699	8	8	81/01/18	81/01/19
8800050	C116	070472	0699	59	59	84/08/14	84/08/23
8800050	C116	070475	0699	55	52	84/12/12	84/12/29
8800050	C116	070476	0699	19	6	86/08/11	86/08/20
8800050	C116	070477	0699	20	1	86/09/07	86/09/16
8800050	C116	070478	0699	17	2	86/06/20	86/06/28
8800050	C116	070479	0699	12	4	86/07/18	86/07/25
8800050	C116	070481	0699	23	23	85/12/29	86/01/02
8800050	C116	070482	0699	64	64	86/01/22	86/01/27
8800050	C116	070450	0699	18	13	85/01/09	85/01/18
8800050	C116	070455	0699	20	20	84/05/31	84/06/10
8800050	C116	070480	06AZ	16	14	86/10/16	86/10/19
8800050	C116	070485	06BE	17	17	85/10/23	85/11/22
8800050	C116	070486	06BE	5	5	85/12/04	85/12/14
8800050	C116	070487	06BE	45	45	85/12/27	86/01/15
8800050	C128	039131	06DA	24	21	80/05/03	80/05/13
8800050	C128	039132	06DA	53	53	84/03/29	84/04/06
8800050	C128	039133	06DA	1	1	84/04/07	84/04/07
8800050	C128	039134	06DA	125	125	84/04/07	84/05/01
8800050	C128	039135	06DA	73	73	85/08/28	85/09/10
8800050	C128	039136	06DA	3	3	76/02/05	76/02/08
8800050	C128	039137	06DA	44	44	76/03/02	76/03/08
8800050	C128	039138	06DA	46	46	77/03/11	77/03/20
8800050	C128	039140	06DA	63	63	86/06/14	86/06/23
8800050	C128	039141	06DA	7	7	86/07/11	86/07/13
8800050	C128	039143	06DA	28	27	80/09/08	80/09/14
8800050	C100	062115	06DA	72	72	85/09/15	85/09/27
8800050	C116	070452	06DA	14	14	80/05/05	80/05/13
8800050	C116	070453	06DA	1	1	84/04/21	84/04/21
8800050	C116	070483	06DA	34	34	80/09/04	80/09/05
8800050	C116	070484	06DA	6	6	80/09/27	80/09/30
8800050	C116	070488	06FI	22	22	86/06/23	86/06/26
8800050	C116	070489	06FI	10	9	86/07/22	86/07/31
8800050	C100	062118	06GA	40	40	78/05/08	78/05/10
8800050	C100	062119	06GA	40	40	80/07/08	80/07/10
8800050	C100	062120	06GA	23	NULL	84/03/13	84/03/15
8800050	C116	070449	06GA	17	17	85/05/11	85/05/14

8800050	C128	039142	06PO	80	80	86/09/06	86/09/25
8800050	C100	062116	06PO	83	82	86/09/06	86/09/25
8800050	C100	062117	06PO	61	61	87/01/13	87/01/23
8800050	C116	070471	06WH	23	23	78/03/28	78/04/02

(60 rows affected)