

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9100011	045507	C125	0168	3548	35BW		02/06/90	02/11/90	19	19
9100011	045508	C125	0168	3548	35BW		03/06/90	03/10/90	15	15
9100011	045509	C125	0168	3548	35BW		03/28/90	04/03/90	28	28
9100011	045510	C125	0168	3548	35BW		04/26/90	04/29/90	12	12
9100011	045511	C125	0168	3548	35BW		05/20/90	05/26/90	26	26
9100011	045512	C125	0168	3548	35BW		06/15/90	06/23/90	19	19
9100011	045513	C125	0168	3548	35BW		07/25/90	08/12/90	39	39

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9100011	077730	C116	0168	3548	06A2		09/30/90	10/07/90	18	18
9100011	077731	C116	0168	3548	06A2		11/03/90	11/12/90	21	21
9100011	077732	C116	0168	3548	54PN		05/25/90	05/27/90	9	9
9100011	077733	C116	0168	3548	54PN		07/08/90	07/16/90	35	35
9100011	077734	C116	0168	3548	54PN		08/17/90	08/27/90	36	36
9100011	077735	C116	0168	3548	54PN		10/08/90	10/17/90	37	37
9100011	077736	C116	0168	3548	54PN		11/21/90	11/27/90	23	23
9100011	077737	C116	0168	3548	35LW		06/01/90	06/10/90	20	20
9100011	077738	C116	0168	3548	35LW		06/29/90	07/09/90	22	22
9100011	077739	C116	0168	3548	35LW		07/27/90	08/07/90	23	23
9100011	077740	C116	0168	3548	35LW		08/31/90	09/11/90	27	27
9100011	077741	C116	0168	3548	35LW		09/28/90	10/08/90	28	28
9100011	077742	C116	0168	3548	35LW		10/26/90	11/05/90	28	28
9100011	077743	C116	0168	3548	35BY		05/19/90	05/25/90	16	16
9100011	077744	C116	0168	3548	35BY		06/10/90	06/22/90	18	18
9100011	077745	C116	0168	3548	35BY		07/11/90	07/18/90	28	28
9100011	077746	C116	0168	3548	35BY		08/02/90	08/09/90	26	26
9100011	077747	C116	0168	3548	35BY		08/26/90	09/03/90	27	27
9100011	077748	C116	0168	3548	35BY		09/15/90	09/22/90	14	14
9100011	077749	C116	0168	3548	35KG		06/07/90	06/08/90	4	4
9100011	077750	C116	0168	3548	35KG		07/12/90	07/17/90	14	14
9100011	077751	C116	0168	3548	35KG		08/09/90	08/14/90	15	15
9100011	077752	C116	0168	3548	35KG		09/29/90	10/03/90	18	18
9100011	077753	C116	0168	3548	35KG		10/28/90	11/02/90	20	20
9100011	077754	C116	0168	3548	35A1		04/28/90	05/05/90	15	15
9100011	077755	C116	0168	3548	35A1		06/03/90	06/10/90	22	22
9100011	077756	C116	0168	3548	35A1		07/16/90	07/23/90	25	25
9100011	077757	C116	0168	3548	35A1		08/23/90	08/27/90	18	18
9100011	077758	C116	0168	3548	35IM		05/26/90	06/01/90	15	15
9100011	077759	C116	0168	3548	35IM		07/12/90	07/28/90	45	45
9100011	077760	C116	0168	3548	35IM		09/06/90	09/25/90	47	47
9100011	077761	C116	0168	3548	35LX		06/08/90	06/25/90	39	39
9100011	077762	C116	0168	3548	35LX		07/29/90	08/06/90	27	27
9100011	077763	C116	0168	3548	35LX		08/18/90	08/24/90	18	18
9100011	077764	C116	0168	3548	35VM		05/20/90	06/07/90	20	20
9100011	077765	C116	0168	3548	35VM		07/01/90	07/19/90	21	21
9100011	077766	C116	0168	3548	35VM		08/11/90	08/16/90	11	11
9100011	077767	C116	0168	3548	35VM		08/27/90	08/29/90	6	6
9100011	077768	C116	0168	3548	35VM		09/21/90	10/08/90	19	19
9100011	077769	C116	0168	3548	35SR		05/22/90	06/03/90	17	17
9100011	077770	C116	0168	3548	35SR		07/02/90	07/17/90	18	18
9100011	077771	C116	0168	3548	35SR		08/14/90	08/27/90	23	23
9100011	077772	C116	0168	3548	35NI		01/10/90	01/28/90	39	39
9100011	077773	C116	0168	3548	35NI		04/04/90	04/23/90	56	56
9100011	077774	C116	0168	3548	35NI		09/19/90	10/17/90	33	33

ACCESSION NO. 9000111 FILETYPE C116

TRACK NO. _____ PROJECT IDENTIFICATION TOGA
077730-77774

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE Diskette	1-14-91	FJM		2	80	80	1,061
DUPLICATE TAPE							
REFORMATTED TAPE	1-17-90	R.P.S.	W15535 **	1	V	V	1,061
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

** LABEL: D NODC * OXBOUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 9000111FILETYPE C125TRACK NO. 045507 -
45513PROJECT
IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE							
ORIG. TAPE Diskette	1-14-91	F) M		1	80	80	158
REFORMATTED TAPE	1-16-91	R.P.S.	W17157 **	1	✓	✓	158
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

** LABELS DNODC * OSBTOUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

Radio	NODC code	VESSEL	Type	TOGA line	Inst. count. codes	Operator	numb of data	from	to
SEET4	35BW	SEAS EIFFEL	VOS	AX11	25335	ORSTOM B	158	90/2/6	90/8/12
*** Total ***							158		

45507

DNODC * ORSTOM SBT.

9100011

XBT Profiles contained in file ORSTOM.XBT

Radio	NODC VESSEL code	Type	TOGA line	Inst. count. codes	Operator	numb of data	from	to
DELA	06A2 ARIANA	VOS	AX20	25335	ORSTOM B	39	90/9/30	90/11/12
ELEH4	54A1 POINTE NOIRE	VOS	IX6	25335	ORSTOM/JMA	69	90/8/25	90/11/27
FNCZ	35LW LIBREVILLE	VOS	AX5	25335	ORSTOM B	149	90/6/1	90/11/5
FNGS	35BY LA FAYETTE	VOS	AX11	25335	ORSTOM B	129	90/5/19	90/9/22
FNJT	35KG KORRIGAN	VOS	IX10	25335	ORSTOM B	71	90/6/7	90/11/2
FNOM	35A1 ANGO	VOS	AX15	25335	ORSTOM B	80	90/4/28	90/8/27
FNQB	35IM ILE MAURICE	VOS	IX3	25335	ORSTOM B	107	90/5/26	90/9/25
FNQD	35X ILE DE LA REUNI	VOS	AX15	25335	ORSTOM B	84	90/6/8	90/8/24
FNQM	35VM SUZANNE DELMAS	VOS	AX15	25335	ORSTOM B	77	90/5/20	90/10/8
FNZB	35SR SAINT ROLAND	VOS	G.G.	25335	ORSTOM B	58	90/5/22	90/8/27
FWQP	35NI A. NIZERY	RES	res	25335	ORSTOM	33	90/9/19	90/10/17
*** Total ***								

896

nb: FNQM was renamed (formerly VILLE DE MARSEILLE)

DNODC * ORSTOM XBT.

90 0011

XBT Profiles contained in file ORSTOM2.XBT

Radio	NODC VESSEL code	Type	TOGA line	Inst. count. codes	Operator	numb of data	from	to
FWP	35NI A. NIZERY	RES	res	25335	ORSTOM	95	90/1/10	90/4/23
ELEH4	POINTE NOIRE	VOS	IX6	25335	ORSTOM/J	71	90/5/25	90/8/23
*** Total ***						166		

DNODC*ORSTOM2XBT.

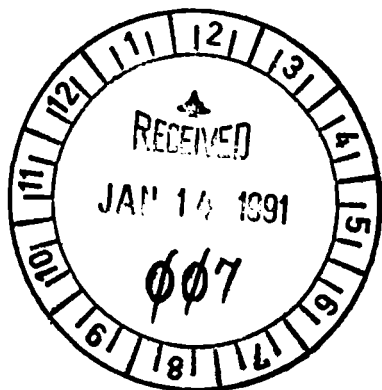
90 0011

CENTRE ORSTOM DE BREST

BP 70
29280 PLOUZANÉ
Tél. 98 22 45 01
Télex 940 627 F }
Fax 98 22 45 45 } Attn ORSTOM

BREST, le

7-1-91.



J.P. REBERT

to

Nelanie HAMILTON

Dear Nelanie,

Please find here enclosed two diskettes with the data processed at the TOGA Centre since our last shipment dated 07 July 90.

The first diskette contains 1295 profiles distributed in 3 files with the corresponding text files. These profiles have been reduced at inflexion points, therefore should be processed as XBT.

The second diskette contains one file (one vessel) with raw data, i.e. one SBT file.

The files have been sorted on vessel call sign and time.

Good work and best regards.

Jean-Paul



CFSTOM



Centre de Brest
Direction de l'Informatique
B.P. 70 - 29263 PLOUZANE
Tél. 98.22.40.40 - Téléc 940 627

TROPICAL OCEAN & GLOBAL ATMOSPHERE PROGRAMME

TOGA SUBSURFACE DATA CENTRE

Brest, le 7.1.91

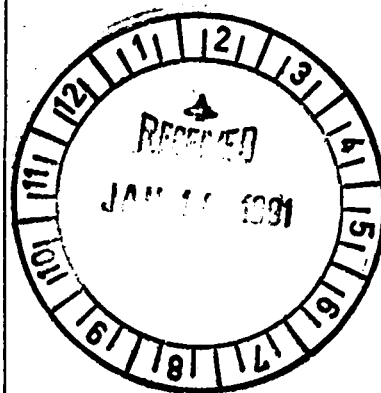
Centre TOGA de données
de subsurface

BORDEREAU D'ENVOI

à Madame Hamilton

WORLD DATA CENTRE A FOR OCEANOGRAPHY
NOAA 1825 CONNECTICUT AVENUE N.W WASHINGTON
DC 20235 U.S.A

Désignation des pièces	Nombre	Observations
disquette au format TSDC contenant 6 fichiers	1	
ORSTOM2 XBT 175563 OCEANUS XBT 219350 ORSTOM2 DOC 539 ORSTOM XBT 944968 ORSTOM DOC 1313 OCEANUS DOC 799		1285 profils
disquette au format TSDC contenant 2 fichiers	1	
ORSTOM SBT 254938 ORSTOM DOC 458		158 profils
Format	1	



Centre Toga de données de subsurface
IFREMER CENTRE DE BREST
B.P. 70 - 29263 Plouzane - France

TOGA SUBSURFACE DATA CENTRE

Format of the T.S.D.C. output files

A standard TOGA subsurface data file contains two types of records :

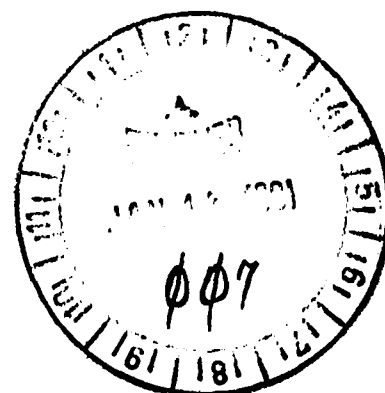
- a profile header (one per profile)
- profile data (one or more per profile)

Organisation on tape or diskette :

The record length is 80 characters. A temperature profile is composed of a heading record followed by a variable number of data records composed of depth-temperature couples. These records are described hereafter.

Profile heading record :

from	to	format	field name	field definition
1	1	A1	record type	always "P"
2	8	A7	profile key	position in degrees (internal sort key)
9	11	A3	institution code	data sender's international code
12	13	A2	country code	international country sender's code
14	14	A1	Ocean code	A = Atlantic, I=Indian, P=Pacific Oceans
15	22	A8	Ship code	international radio call sign
23	26	A4	Cruise number	originator cruise number, 0 if not provided
27	29	A3	Station number	adopted from originators, 0 if not provided
30	30	A1	Platform type	A=Vessel, B=moored buoy, C=drifting buoy
31	36	A6	Date	YYMMDD.
37	40	A4	Time	HHMM
41	41	A1	Latitude sign	negative south
42	45	A4	Latitude	DDMM (degrees, minutes)
46	46	A1	Longitude sign	negative west
47	51	A5	Longitude	DDMM (degrees, minutes)
52	52	A1	Profile type	A=XBT, B=bathymessage, G=TESAC (see note 1)
53	58	A6	Update	Date of last update
59	59	A1	valid. level	Internal. 0=unvalidated profile 1=checked profile
60	60	A1	Profile flag	Profile's quality flag (see note 2)
61	61	A1	Position flag	Position's quality flag (see note 2)
62	62	A1	Date flag	Date's quality flag (see note 2)
63	65	A3	Thermocline depth	Automatically computed at TSDC (meters)
66	70	A5	surface salinity	in standard units
71	71	A1	surf. sal. flag	Surface salinity quality flag
72	75	A4	maximum depth	deepest profile level
76	80	A5	filler	padded with blank



Notes :

1. Other profile types used : N = Nansen cast, S = CTD, C,D,E, for thermistor chains on moored or drifting buoys.

XBT means delayed-mode temperature profile as sent by the originator (not reprocessed)

2. flags using the IGOSS scale : 0 = uncontrolled, 1 = good, 2 = inconsistencies, 3 = doubtful, 4 = wrong, 5 = corrected

data record :

From	to	Format	field name	field definition
1	1	A1	record type	always "N"
2	78		group repeated seven times :	
		A4	depth	depth in meters
		A5	temperature	temperature (°C, 2 decimals)
		A1	depth flag	depth quality (id)
		A1	temperature flag	temperature quality (id)
79	80	A2	filler	padded with blank

Exemple :

```
P+11-02715335ADGLM 0 0 A8708291200+1110-027278871007001103500.0000530
N000027.6011|002027.5011|004021.8011|005017.5011|007014.8011|016011.5011|023511.0011|
N028510.6011|036010.0011|041009.6011|044009.7011|053009.0011|
```

STORAGE :

The data can be forwarded to users either on

Magnetic tape, 9 tracks, 1600 or 6250 bpi, ASCII or EBCDIC, blockage 80.

or on diskettes

5"1/4	360 K
5"1/4	1,2 M
3"1/2	720 K
3"1/2	1,44 M



CFSTOM

IFREMER

Centre de Brest
Direction de l'Informatique
B.P. 70 - 29263 PLOUZANE
Tél. 98 22.40.40 - Télex 940 627

TROPICAL OCEAN & GLOBAL ATMOSPHERE PROGRAMME

TOGA SUBSURFACE DATA CENTRE

Brest, le 7.1.91

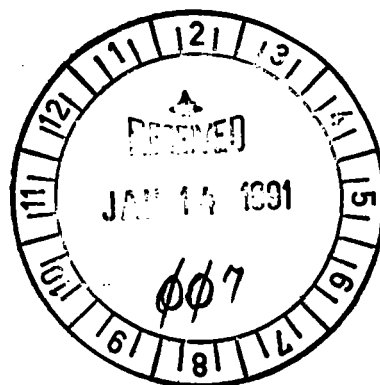
Centre TOGA de données
de subsurface

BORDEREAU D'ENVOI

à Madame Hamilton

WORLD DATA CENTRE A FOR OCEANOGRAPHY
NOAA 1825 CONNECTICUT AVENUE N.W WASHINGTON
DC 20235 U.S.A

Désignation des pièces	Nombre	Observations
disquette au format TSDC contenant 6 fichiers	1	
ORSTOM2 XBT 175563 OCEANUS XBT 219350 ORSTOM2 DDC 539 ORSTOM XBT 944968 ORSTOM DDC 1313 OCEANUS DDC 799		1285 profils
disquette au format TSDC contenant 2 fichiers	1	
ORSTOM SBT 254938 ORSTOM DDC 458		158 profils
Format	1	



PLEASE ACKNOWLEDGE RECEIPT BY RETURNING
THIS FORM TO :

Centre Toga de données de subsurface
IFREMER CENTRE DE BREST
B.P. 70 - 29263 Plouzane - France

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
9100011	C116	077730	0168	3548	06A2	1990/09/30	NULL	194340
9100011	C116	077731	0168	3548	06A2	1990/11/03	NULL	194341
9100011	C116	077754	0168	3548	35A1	1990/04/28	NULL	194364
9100011	C116	077755	0168	3548	35A1	1990/06/03	NULL	194365
9100011	C116	077756	0168	3548	35A1	1990/07/16	NULL	194366
9100011	C116	077757	0168	3548	35A1	1990/08/23	NULL	194367
9100011	C125	045507	0168	3548	35BW	1990/02/06	NULL	194333
9100011	C125	045508	0168	3548	35BW	1990/03/06	NULL	194334
9100011	C125	045509	0168	3548	35BW	1990/03/28	NULL	194335
9100011	C125	045510	0168	3548	35BW	1990/04/26	NULL	194336
9100011	C125	045511	0168	3548	35BW	1990/05/20	NULL	194337
9100011	C125	045512	0168	3548	35BW	1990/06/15	NULL	194338
9100011	C125	045513	0168	3548	35BW	1990/07/25	NULL	194339
9100011	C116	077743	0168	3548	35BY	1990/05/19	NULL	194353
9100011	C116	077744	0168	3548	35BY	1990/06/10	NULL	194354
9100011	C116	077745	0168	3548	35BY	1990/07/11	NULL	194355
9100011	C116	077746	0168	3548	35BY	1990/08/02	NULL	194356
9100011	C116	077747	0168	3548	35BY	1990/08/26	NULL	194357
9100011	C116	077748	0168	3548	35BY	1990/09/15	NULL	194358
9100011	C116	077758	0168	3548	35IM	1990/05/26	NULL	194368
9100011	C116	077759	0168	3548	35IM	1990/07/12	NULL	194369
9100011	C116	077760	0168	3548	35IM	1990/09/06	NULL	194370
9100011	C116	077749	0168	3548	35KG	1990/06/07	NULL	194359
9100011	C116	077750	0168	3548	35KG	1990/07/12	NULL	194360
9100011	C116	077751	0168	3548	35KG	1990/08/09	NULL	194361
9100011	C116	077752	0168	3548	35KG	1990/09/29	NULL	194362
9100011	C116	077753	0168	3548	35KG	1990/10/28	NULL	194363
9100011	C116	077737	0168	3548	35LW	1990/06/01	NULL	194347
9100011	C116	077738	0168	3548	35LW	1990/06/29	NULL	194348
9100011	C116	077739	0168	3548	35LW	1990/07/27	NULL	194349
9100011	C116	077740	0168	3548	35LW	1990/08/31	NULL	194350
9100011	C116	077741	0168	3548	35LW	1990/09/28	NULL	194351
9100011	C116	077742	0168	3548	35LW	1990/10/26	NULL	194352
9100011	C116	077761	0168	3548	35LX	1990/06/08	NULL	194371
9100011	C116	077762	0168	3548	35LX	1990/07/29	NULL	194372
9100011	C116	077763	0168	3548	35LX	1990/08/18	NULL	194373
9100011	C116	077772	0168	3548	35NI	1990/01/10	NULL	194382
9100011	C116	077773	0168	3548	35NI	1990/04/04	NULL	194383
9100011	C116	077774	0168	3548	35NI	1990/09/19	NULL	194384
9100011	C116	077769	0168	3548	35SR	1990/05/22	NULL	194379
9100011	C116	077770	0168	3548	35SR	1990/07/02	NULL	194380
9100011	C116	077771	0168	3548	35SR	1990/08/14	NULL	194381
9100011	C116	077764	0168	3548	35VM	1990/05/20	NULL	194374
9100011	C116	077765	0168	3548	35VM	1990/07/01	NULL	194375
9100011	C116	077766	0168	3548	35VM	1990/08/11	NULL	194376
9100011	C116	077767	0168	3548	35VM	1990/08/27	NULL	194377
9100011	C116	077768	0168	3548	35VM	1990/09/21	NULL	194378
9100011	C116	077732	0168	3548	54PN	1990/05/25	NULL	194342
9100011	C116	077733	0168	3548	54PN	1990/07/08	NULL	194343
9100011	C116	077734	0168	3548	54PN	1990/08/17	NULL	194344
9100011	C116	077735	0168	3548	54PN	1990/10/08	NULL	194345
9100011	C116	077736	0168	3548	54PN	1990/11/21	NULL	194346

(52 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	----	-----	-----	-----	-----	-----	-----
9100011	C116	077730	06A2	18	18	90/09/30	90/10/07
9100011	C116	077731	06A2	21	21	90/11/03	90/11/12
9100011	C116	077754	35A1	15	15	90/04/28	90/05/05
9100011	C116	077755	35A1	22	22	90/06/03	90/06/10
9100011	C116	077756	35A1	25	25	90/07/16	90/07/23
9100011	C116	077757	35A1	18	18	90/08/23	90/08/27
9100011	C125	045507	35BW	19	19	90/02/06	90/02/11
9100011	C125	045508	35BW	15	15	90/03/06	90/03/10
9100011	C125	045509	35BW	28	27	90/03/28	90/04/03
9100011	C125	045510	35BW	12	12	90/04/26	90/04/29
9100011	C125	045511	35BW	26	26	90/05/20	90/05/26
9100011	C125	045512	35BW	19	19	90/06/15	90/06/23
9100011	C125	045513	35BW	39	39	90/07/25	90/08/12
9100011	C116	077743	35BY	16	16	90/05/19	90/05/25
9100011	C116	077744	35BY	18	18	90/06/10	90/06/22
9100011	C116	077745	35BY	28	28	90/07/11	90/07/18
9100011	C116	077746	35BY	26	26	90/08/02	90/08/09
9100011	C116	077747	35BY	27	27	90/08/26	90/09/03
9100011	C116	077748	35BY	14	14	90/09/15	90/09/22
9100011	C116	077758	35IM	15	15	90/05/26	90/06/01
9100011	C116	077759	35IM	45	45	90/07/12	90/07/28
9100011	C116	077760	35IM	47	45	90/09/06	90/09/25
9100011	C116	077749	35KG	4	4	90/06/07	90/06/08
9100011	C116	077750	35KG	14	14	90/07/12	90/07/17
9100011	C116	077751	35KG	15	15	90/08/09	90/08/14
9100011	C116	077752	35KG	18	18	90/09/29	90/10/03
9100011	C116	077753	35KG	20	20	90/10/28	90/11/02
9100011	C116	077737	35LW	20	20	90/06/01	90/06/10
9100011	C116	077738	35LW	22	22	90/06/29	90/07/09
9100011	C116	077739	35LW	23	23	90/07/27	90/08/07
9100011	C116	077740	35LW	27	27	90/08/31	90/09/11
9100011	C116	077741	35LW	28	28	90/09/28	90/10/08
9100011	C116	077742	35LW	28	28	90/10/26	90/11/05
9100011	C116	077761	35LX	39	39	90/06/08	90/06/25
9100011	C116	077762	35LX	27	27	90/07/29	90/08/06
9100011	C116	077763	35LX	18	18	90/08/18	90/08/24
9100011	C116	077772	35NI	39	39	90/01/10	90/01/28
9100011	C116	077773	35NI	56	56	90/04/04	90/04/23
9100011	C116	077774	35NI	33	32	90/09/19	90/10/17
9100011	C116	077769	35SR	17	17	90/05/22	90/06/03
9100011	C116	077770	35SR	18	18	90/07/02	90/07/17
9100011	C116	077771	35SR	23	23	90/08/14	90/08/27
9100011	C116	077764	35VM	20	20	90/05/20	90/06/07
9100011	C116	077765	35VM	21	21	90/07/01	90/07/19
9100011	C116	077766	35VM	11	11	90/08/11	90/08/16
9100011	C116	077767	35VM	6	6	90/08/27	90/08/29
9100011	C116	077768	35VM	19	19	90/09/21	90/10/08
9100011	C116	077732	54PN	9	9	90/05/25	90/05/27
9100011	C116	077733	54PN	35	35	90/07/08	90/07/16
9100011	C116	077734	54PN	36	36	90/08/17	90/08/27
9100011	C116	077735	54PN	37	37	90/10/08	90/10/17
9100011	C116	077736	54PN	23	23	90/11/21	90/11/27

(52 rows affected)