8600346

TO: E/OC12 - C. Noe

E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

DATE: November 20, 1987

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

DATA ARCHIVE AND INVENTORIES BRANCH (E/OC11)

C/STD (F022/C022)

Acc: 8600346 Ref: TT6341/769004 56 stations 3,102 records

XIANGYANGHONG 14

Acc: 8600346 Ref: TT6342/769003 30 stations 570 records

XIANGYANGHONG 14

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cc: Division Director

ACCESSION NO. 8600346 LEVL 1 | FILETYPE CTD | TRACK NO. F022 TT6341 C022 769004 | PROJECT IDENTIFICATION WHOI/CHINA

STEP	DATE	INIT.	TAPE OR DISK DSN.	NO. FILES	LRECL	BLK SIZE	NO. RECORD
ORIG. TAPE	10/27/86	LK	A00337	56	35	350	1575
DUPLICATE TAPE	11/5/86	LK	W09302	169	35	350	
REFORMATTED TAPE							
REFORMATTED DISK		RS	DN00C *X140UT.	1	35	224	3102
FIRST MULCHEK	11/27/87	CBA	SEADATA.F022TT6341	1	120		3102
FINAL MULCHEK							
MPD75 OR F022	12/2/87	CBA	F022.TT6341/F022	1	120		3102
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

INVENTORY Record found
Record 2566 on screen
170194 DATA ENTRY INFORMATION SYSTEM FJM
(DATASET INVENTORY)

DATE OF ENTRY: 11/18/87

REFERENCE NUMBER: TT6341 ACCESSION NUMBER: 8600346
FORMER REFERENCE NUMBER: FORMER ACCESSION NUMBER: (RESUB ONLY)

INVENTORY
MEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09
EXCHANGE (FORMAT): E018 - STD/CTD (F022)
PROCESSING (FORMAT): F022 - CTD/STD

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 313F
PLATFORM (COUNTRY AND PLATFORM CODES): 76X9
PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: ORIGINATORS CRUISE ID: US-PRC 1
CRUISE START DATE: 01/30/86 CRUISE END DATE: 02/18/86 Press PgDn
PROJECT CODE: DATA USE CODE (DUC): 3 to continue
F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY

VOLUME - NUMBER OF STATIONS: 56 NUMBER OF RECORDS: 3,102

If STA/REC counts are not appropriate then enter -

NUMBER: UNITS:

AVERAGE REC SIZE: 120 MBYTES: 0.372240

OCEAN AREA
CODE 1: 57G MEANING: TOGA Area - Pacific (30 N TO 30 S)
CODE 2: MEANING:
CODE 3: MEANING:

DINDB TRACK TRANSACTION GENERATED: / /

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

000096

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

DATE OF ENTRY: 08/27/85

REFERENCE NUMBER: IT6341 ACCESSION NUMBER: 8600346
FORMER REFERENCE NUMBER: _____ FORMER ACCESSION NUMBER: _____ (RESUB ONLY)

INVENTORY

MEDIA-IN (TAPE): 01 - TAPE DINDB CODE __
EXCHANGE (FORMAT): ____ - _____
PROCESSING (FORMAT): F022 - STD

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3102 WHOI
PLATFORM (COUNTRY AND PLATFORM CODES): 76X9
PLATFORM TYPE: 9 - _____ DINDB CODE __

ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: _____
CRUISE START DATE: 01/30/86 CRUISE END DATE: 02/18/86 Press PgDn to continue
PROJECT CODE: ____ DATA USE CODE (DUC): _

VOLUME - NUMBER OF STATIONS: 56 NUMBER OF RECORDS: 3102

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: ____

OCEAN AREA

CODE 1: ___ MEANING: _____
CODE 2: ___ MEANING: _____
CODE 3: ___ MEANING: _____

DINDB TRACK TRANSACTION GENERATED: __/__/__

(R/V Xiangyanghong #14 - 76X9)

USER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN
HALMINSKI	673-5643		10/31/86		

EQUIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

STD/CTD COPY INPUT - CHANGE EBCDIC → ASCII AND LABEL → SL. SCAN OUTPUT CHANGE BLKSIZE

8600346

INPUT MEDIUM	OUTPUT MEDIUM
PAPER CARD DISK (TAPE) DISKETTE OTHER(SPECIFY)	CARD DISK PRINT (TAPE) PLOT DISKETTE OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI
	A00337		9	1600	ODD	NL	FB	35	350	56
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII (EBCDIC) BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PUR DAT
INPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL ~~TYPE~~	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI
	W09362		9	1600	ODD	SL	FB	35	350	169
OUTPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME DNODC.K8600346-01			PUR DAT

SPECIAL INSTRUCTIONS

NEED "W" TAPE

ESTIMATED EXECUTION TIME

1731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRIN DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFI
86103101	11/04/86	14:00	14:42	C	COMPLETED BY JAMES

COMMENTS

56
3
TAS

H	D	T
1	2	3

ER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
HALMINSKI	673-5643				

UIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

STD SCAN

8600346

PUT MEDIUM	OUTPUT MEDIUM
PAPER CARD DISK (TAPE) DISKETTE OTHER(SPECIFY)	CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)

PE/DISKETTE INFORMATION

	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	R00337		9	1600	GTO	NL	FB	35	350	56
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII (EBCDIC) BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PURG DATE
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE
	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
TPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE

ECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

31 USE ONLY

S #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIE
06/02/94	10/30/86	~~10:40~~ 10:35	10:40	C	COMPLETED BY JAMES

MENTS

TT6341

CTD Data File Introduction

1.The outline:

Geographic Coverage-the Tropical Westren Pacific

Time Period-from Jan. 30, 1986 through Feb. 18, 1986

Investigation Institution-Woods Hole Oceanographic Institution, USA

Investigation Instrument-WHOI/Brown CTD-II

Investigation Vessel-R/V Xiangyanghong NO.14

Cruise-The first cruise of the US-PRC Cooperative Investigation of the Tropical Western Pacific (TOGA Project).The first cruise route is presented in Figure 1.

Description-The File is 10 db average CTD data. The file was processed by Mr. Millard (WHOI. USA)

2. CTD Data File

1)Structure

These file are recorded in 1/2-inch wide, 9-track magnetic tape in EBCDIC Character format. Each file which corresponds to a station number is recorded on several physical records. The physical records are fixed block length records. The block length is 350 Bytes, the logical record length is 35 Bytes and the record density is 1600 BPI. The first physical record of each file comprises 245 characters of header information plus 35 characters of data repeated many times. The following physical records only comprise data. There is one tape mark behind a file. There are at least two type marks on the end of all the files.

2.File Format

PARAMETER	SC	EXPLANATION
blank	1	
"SHIP"	2-5	
ship type	7-8	PR means "Xiangyanghong NO.14" in this cruise
blank	9	
"CRUIS"	10-14	
blank	15	
cruise number	16-18	
blank	19	
"STAT:"	20-24	
blank	25	
station number	26-28	
blank	29	
"C#"	30-32	cast times
blank	33	
CTD cast times	34-35	"0"mean one time

blank	36	
"DATE"	37-40	
blank	41	
date	42-49	include day month and year
blank	50-51	
"TIME"	52-56	
blank	57	
Time	58-61	
blank	62	
"Z"	63	"Z"mean GMT time
blank	64-70	
blank	71	
"LAT"	72-74	
blank	75-76	
latitude	77-84	degree, minute to hundredths, no second
blank	85	
"LG"	86-87	
blank	88-89	
longitude	90-98	degree, minute to hundredths no second
blank	99-106	
"MAX. PRS"	107-115	
blank	116	
max pressuare	117-121	
blank	122	
"DB"	123-124	decibar
blank	125-126	
"PEPTH="	127-132	
blank	133	
depth	134-138	
blank	139	
"M"	140	meter
blank	141	
"AVER"	142 -145	
blank	146	
average	147-151	
blank	152	
"INST"	153-156	
blank	157	
instrument type	158-161	

blank	162	
"RATE"	163-166	
blank	167-168	
rate	169-173	
"HZ"	174-175	
blank	176	
"OBS="	177-180	
blank	181	
observation number	182-186	observation count in a station
blank	187	
"FMT(F7.1,2F8.4,F6.2,I6)	188-210	data record format
blank	211-212	
"PRES"	213-216	
blank	217-220	
"TEMP"	221-224	
blank	225-228	
"SALT"	229-232	
blank	233-235	
"OXYG"	236-239	
blank	240-241	
"QUAL"	242-245	
pressure	246-252	
temperature	253-260	
salinity	261-268	
oxygen	269-274	
quantity	275-280	quantity per 10 db
	281-...	format is the same as that from 246 to 280

Sample-

Printed sample see Figure 2

3.Index File

All CTD 10 db average data files consist of 56 stations.The Index File is provided in Figure 3.

We have made CTD profile charts and found some problems.For example,there is something wrong with the dissolved oxygen data of 30th station and there is a spike in the oxygen data of the 16th station, ect.

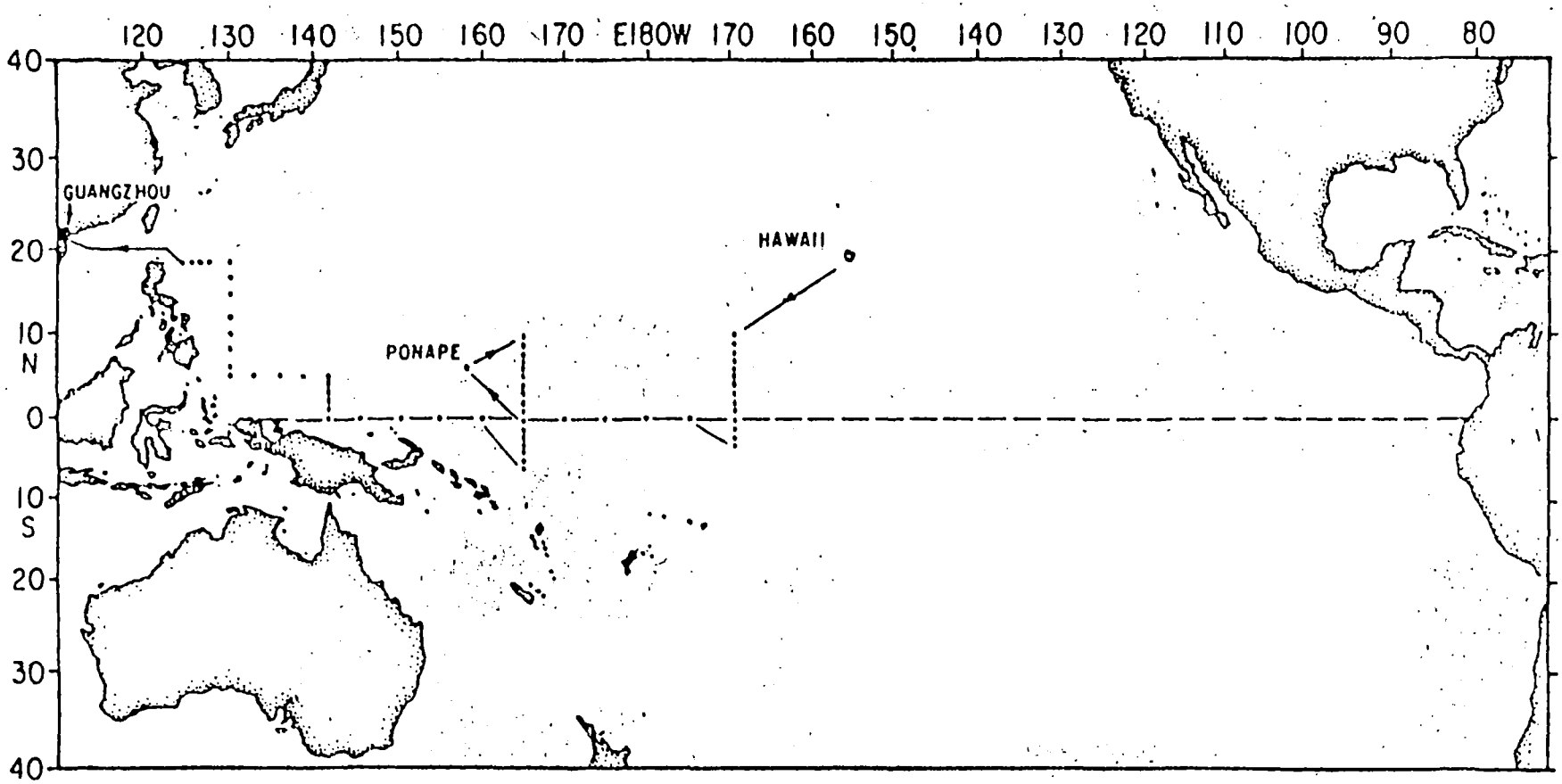

Figure 1. Station locations on PRC/US Cruise #1

Leg II Hawaii to Ponape: 23 stations, 6 Jan to 21 Jan 1986

Leg III Ponape to Guangzhou: 46 stations, 30 Jan to 20 Feb 1986

SHIP PR CRUIS 1 STAT: 1 C#: 0
DATE 80- 1-30 TIME: 800 Z
LAT 10 0.06 LG 164 59.10
MAX. PRS= 4521. DB DEPTH= 4873. M
AVER 2.0 INST 11 RATE 31.00HZ
OBS= 451 FMT(F7.1,2F8.4,F6.2,I6)

PRES	TEMP	SALT	OXYG	QUAL
9.0	27.8393	34.1522	4.42	333
19.0	27.8450	34.1536	4.49	207
29.0	27.8449	34.1538	4.51	108
39.0	27.8468	34.1535	4.48	46
49.0	27.8376	34.1535	4.49	162
59.0	27.8373	34.1534	4.48	34
69.0	27.8471	34.1536	4.44	173
79.0	27.7970	34.1533	4.44	171
89.0	26.6643	34.4831	4.61	550
99.0	25.4004	34.9261	4.77	469
109.0	24.3640	34.9547	4.63	520
119.0	22.7360	34.9362	4.46	325
129.0	20.8614	34.8787	4.20	264
139.0	18.5277	34.7557	3.89	71
149.0	15.9808	34.6042	3.63	148
159.0	14.6554	34.5298	3.51	78
169.0	13.7779	34.4763	3.44	81
179.0	13.0950	34.4385	3.36	138
189.0	12.2111	34.4086	3.24	147
199.0	11.7436	34.4181	2.79	64
209.0	11.2974	34.4026	2.62	179
219.0	10.9410	34.4463	2.29	78
229.0	10.5914	34.4786	1.88	100
239.0	10.3015	34.4867	1.74	184
249.0	10.1388	34.5140	1.57	53
259.0	9.8699	34.5087	1.46	125
269.0	9.6500	34.5263	1.34	84
279.0	9.5712	34.5385	1.29	77
289.0	9.5346	34.5715	1.26	135
299.0	9.4659	34.5905	1.18	50

Figure 2

****** CTD INDEX ******

SH	CRU	STAT	CST	CTD	DA	MO	YR	TIME	LATITUDE	LONGITUDE	DEPTH	OBS
PR	1	1	000	11	30	1	86	800	10 0.06	164 59.10	4873.	451
PR	1	2	000	11	31	1	86	1640	8 59.67	165 0.23	5215.	449
PR	1	3	000	11	1	2	86	200	8 0.07	165 0.17	5203.	252
PR	1	4	000	11	1	2	86	830	6 59.53	165 0.22	5138.	250
PR	1	5	000	11	1	2	86	1449	6 0.07	165 0.69	4988.	249
PR	1	6	000	11	1	2	86	2045	4 59.60	165 0.90	4754.	250
PR	1	7	000	11	2	2	86	210	4 0.00	165 0.20	4484.	249
PR	1	8	000	11	2	2	86	804	2 59.47	165 0.20	4223.	410
PR	1	9	000	11	2	2	86	1420	2 29.96	165 0.05	4117.	288
PR	1	10	000	11	2	2	86	1840	1 59.33	164 59.26	4166.	300
PR	1	11	000	11	2	2	86	2246	1 29.65	164 59.41	4258.	290
PR	1	12	000	11	3	2	86	300	0 59.62	164 59.54	4323.	250
PR	1	13	000	11	3	2	86	837	0 29.87	164 59.48	4366.	250
PR	1	14	000	11	3	2	86	1236	0 0.51	164 57.97	4400.	429
PR	1	15	000	11	3	2	86	1950	0-29.81	164 59.68	4425.	253
PR	1	16	000	11	3	2	86	2321	0-57.42	165 1.27	4415.	251
PR	1	17	000	11	4	2	86	411	-1-30.08	164 59.82	4447.	250
PR	1	18	000	11	4	2	86	752	-2 -0.90	164 59.70	4456.	249
PR	1	19	000	11	4	2	86	1203	-2-30.90	164 59.87	2478.	239
PR	1	20	000	11	4	2	86	1540	-2-59.90	165 0.17	4114.	399
PR	1	21	000	11	4	2	86	2223	-4 -0.76	164 59.95	3348.	250
PR	1	22	000	11	5	2	86	300	-5 -0.28	164 59.99	2352.	228
PR	1	23	000	11	5	2	86	842	-6 -0.05	165 0.04	3593.	352
PR	1	24	000	11	6	2	86	1526	0 0.24	159 59.77	2833.	275
PR	1	25	000	11	7	2	86	1158	0 0.07	155 0.28	2502.	239
PR	1	26	000	11	9	2	86	302	0 -0.06	150 0.64	5209.	120
PR	1	27	000	11	9	2	86	345	0 -3.51	150 1.28	5251.	325
PR	1	28	000	11	10	2	86	308	0 0.68	145 0.33	3680.	251
PR	1	29	000	11	10	2	86	1723	0 0.27	141 29.08	3123.	249
PR	1	30	000	11	11	2	86	103	0 23.55	141 28.42	3360.	250
PR	1	31	000	11	11	2	86	455	1 0.07	141 29.63	3215.	251
PR	1	32	000	11	11	2	86	924	1 29.80	141 29.85	2802.	260
PR	1	33	000	11	11	2	86	1300	1 59.82	141 29.81	2511.	239
PR	1	34	000	11	11	2	86	1908	3 0.17	141 32.16	2460.	234
PR	1	35	000	11	12	2	86	134	3 59.85	141 30.38	2257.	219
PR	1	36	000	11	12	2	86	801	5 0.43	141 29.98	3667.	257
PR	1	37	000	11	12	2	86	2147	5 0.00	138 30.10	3715.	251
PR	1	38	000	11	13	2	86	1030	5 0.48	135 30.48	4890.	249
PR	1	39	000	11	14	2	86	55	4 59.69	132 30.83	4061.	249
PR	1	40	000	11	14	2	86	1225	5 0.25	130 0.19	5023.	250
PR	1	41	000	11	14	2	86	1804	5 59.20	130 0.87	5503.	249
PR	1	42	000	11	14	2	86	2332	6 59.80	129 59.73	5554.	249
PR	1	43	000	11	15	2	86	535	7 53.31	130 0.44	5670.	249
PR	1	44	000	11	15	2	86	1147	9 0.97	129 59.01	5853.	249
PR	1	45	000	11	15	2	86	1758	10 0.05	130 0.27	5886.	249
PR	1	46	000	11	15	2	86	2301	11 0.43	129 59.41	5760.	250
PR	1	47	000	11	16	2	86	437	12 0.27	129 59.18	5758.	251
PR	1	48	000	11	16	2	86	950	13 0.03	130 0.15	5918.	249
PR	1	49	000	11	16	2	86	1920	15 0.26	130 0.86	5715.	249
PR	1	50	000	11	17	2	86	420	16 59.67	129 58.77	5164.	250
PR	1	51	000	11	17	2	86	1104	18 19.59	130 0.01	5786.	249
PR	1	52	000	11	17	2	86	1545	18 19.72	128 59.94	5268.	262
PR	1	53	000	11	17	2	86	2042	18 20.99	127 59.90	4530.	253
PR	1	54	000	11	18	2	86	124	18 20.11	126 59.88	4910.	250
PR	1	55	000	11	18	2	86	605	18 20.00	125 59.94	5406.	399
PR	1	56	000	11	18	2	86	1400	18 19.96	125 0.22	5431.	249

Figure 3

DATA DIVSION OF CNODC.APRIL 23,1986.

8600346

TO: E/OC12 - C. Noe

E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

DATE: November 20, 1987

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

DATA ARCHIVE AND INVENTORIES BRANCH (E/OC11)

C/STD (F022/C022)

Acc: 8600346 Ref: TT6341/769004 56 stations 3,102 records

XIANGYANGHONG 14

Acc: 8600346 Ref: TT6342/769003 30 stations 570 records

XIANGYANGHONG 14

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cc: Division Director

TAPE NO. _____ PROJECT IDENTIFICATION _____

F022 TT6342 PMEL CHINA DATA
C022 769003

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORD
ORIG. TAPE	10/24/86	[illegible]	R00336	30	64	640	2880
DUPLICATE TAPE	10/30/86	[illegible]	W08076*	30	64	640	2880
REFORMATTED TAPE							
REFORMATTED DISK		RS	DNODC *X640UT.	1	120 64	~~224~~	~~576~~
FIRST MULCHEK	11/27/87	CBL	SEEDATA. F022 TT6342	1	120		570
FINAL MULCHEK							
MPD75 OR F022	11/27/87	CBL	F022. TT6342/F022	1	120		570
DATA SET FINALIZED							

* EBCDIC - NL

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

```
INVENTORY                                   Record found
Record 2564 on screen
170192                  DATA ENTRY INFORMATION SYSTEM                        FJM
                              (DATASET INVENTORY)

DATE OF ENTRY: 11/18/87

       REFERENCE NUMBER: TT6342          ACCESSION NUMBER: 8600346
FORMER REFERENCE NUMBER:          FORMER ACCESSION NUMBER:          (RESUB ONLY)
-------------------------------------------------------------------------------
INVENTORY
         MEDIA-IN: 01 - Digital Magnetic Tape              DINDB CODE 09
         EXCHANGE (FORMAT):   E018 - STD/CTD (F022)
         PROCESSING (FORMAT): F022 - CTD/STD

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

         INSTITUTE (COUNTRY AND INSTITUTE CODES): 313F
         PLATFORM (COUNTRY AND PLATFORM CODES):   76X9
         PLATFORM TYPE:  9 - Ship            DINDB CODE  09

         ORIGINATORS FILE ID:          ORIGINATORS CRUISE ID: US-PRC 1
         CRUISE START DATE: 01/09/86   CRUISE END DATE: 01/17/86    Press PgDn
         PROJECT CODE:                 DATA USE CODE (DUC): 3       to continue
F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY


         VOLUME - NUMBER OF STATIONS:      30   NUMBER OF RECORDS:     570

                  If STA/REC counts are not appropriate then enter -

                  NUMBER:                  UNITS:

                  AVERAGE REC SIZE:     120   MBYTES:        0.068400

-------------------------------------------------------------------------------
OCEAN AREA
             CODE 1: 57G      MEANING: TOGA Area - Pacific (30 N TO 30 S)
             CODE 2:          MEANING:
             CODE 3:          MEANING:
-------------------------------------------------------------------------------

DINDB TRACK TRANSACTION GENERATED:    /  /



F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI
```

(DATASET INVENTORY)

DATE OF ENTRY: 08/06/86

REFERENCE NUMBER: TT6342 ACCESSION NUMBER: 86ØØ346

FORMER REFERENCE NUMBER: _____ FORMER ACCESSION NUMBER: _____ (RESUB ONLY)

INVENTORY

MEDIA-IN: Ø1 - TAPE DINDB CODE __

EXCHANGE (FORMAT): ____ - _____

PROCESSING (FORMAT): FØ22 - STD

* NOTE * If data is FO22, create an additional record for CO22.

INSTITUTE (COUNTRY AND INSTITUTE CODES): ~~313F~~ (PMEL)

PLATFORM (COUNTRY AND PLATFORM CODES): 76X9

PLATFORM TYPE: __ - _____ DINDB CODE __

ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: _____

CRUISE START DATE: 01/09/86 CRUISE END DATE: 01/17/86 Press PgDn to continue

PROJECT CODE: ____ DATA USE CODE (DUC): E

VOLUME - NUMBER OF STATIONS: 3Ø NUMBER OF RECORDS: 57Ø

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: ____

OCEAN AREA

CODE 1: ___ MEANING: _____

CODE 2: ___ MEANING: _____

CODE 3: ___ MEANING: _____

DINDB TRACK TRANSACTION GENERATED: / /

(76X9 - XIANGYANGHONG #14)

Chinese/PMEL
TOGA

MEDIA 01 = TAPE
00 = STRIP CHART
02 = FLOPPY

USER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN
HALMINSKI	673-5643		10/29/86		

EQUIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

STD CHINA COPY INPUT. SCAN OUTPUT

8600346

INPUT MEDIUM	OUTPUT MEDIUM
PAPER CARD DISK (TAPE) DISKETTE OTHER(SPECIFY)	CARD DISK PRINT (TAPE) PLOT DISKETTE OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	A00336		9	1600		NL	FB	64	640	30
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII (EBCDIC) BCD SDF. OTHER(~~SPECIFY~~)				DATA SET NAME			PURGE DATE
INPUT	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 TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	W08076		9	1600		NL	FB	64	640	30
OUTPUT	SECTOR SIZE	EXCHANGE TYPE	~~CODE:~~ (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

NEED "W" TAPE

ESTIMATED EXECUTION TIME

---

31 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
6102903	10/30/86	14:20	14:38	C	COMPLETED BY JAMES

COMMENTS

ER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
HALMINSKI	673-5643		10/21/86		

UIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

STD
CHINA

SCAN. PRINT PAGE OF DATA
LEFT OUT PRINT

8600346

PUT MEDIUM	OUTPUT MEDIUM
PAPER CARD DISK (TAPE) ISKETTE OTHER(SPECIFY)	CARD DISK (PRINT) TAPE PLOT DISKETTE OTHER(SPECIFY)

PE/DISKETTE INFORMATION

	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
	A00336		9	1600		NL	FB	64	640	30
	SECTOR SIZE	EXCHANGE TYPE	CODE: ~~ASCII~~ ~~EBCDIC~~ BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PUR DAT
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
ITPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT

ECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

31 USE ONLY

B #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFI
	10/21/86	11:45	11:50	C	COMPLETED BY JAMES

10/21/86

ENTS

STD Data File Introduction

1. The Outline

Geographic coverage - a part of the tropical western Pacific.

Time period - from Jan 9, 1986 to Jan. 17, 1986.

Investigation Institution - the pacific Marine Environmental laboratory, Seattle,USA.

Investigation Instrument - STD-12

Investigation Vessel - Xiangyanghong No.14, a research vessel of SOA, PRC.

Cruise - The first cruise of the US-PRC Cooperative Investigation of the Tropical Western Pacific (TOGA Project)

Description-

The STD data file contains values of depth, temperature, salinity, sigma-t, dynamic depth, potential temperature and the observation number for each depth layer.

All STD data files are in cruise file version. These files are a compressed version of data collected using STD recorder. The data are recorded at 0, 10, 20, 30...depth levels. They aren't recorded at standard depth levels. The data were only processed through primary STD quality control programs on board the ship.

2. STD Data File

Structure-

The files were already recorded in the 1/2 inch wide, 9 - track magnetic tape in EBCDIC character format.

The physical records are fixed block length records. The block length is 640 Bytes, the logical record length is 64 Bytes and the record density is 1600 BPI.

Each file which corresponds to a station number comprises 192 characters of header information plus 64 characters of data for each depth.

File format

PARAMETER	SC	EXPLANATION
the first type record:		
"USA-PRC"	1-7	
blank	8	
"TOGA"	9-12	
blank	13	
year	14-17	(for GMT)
"A"	18	A is nonsignificand
blank	19-64	
the second type record:		
month	1-2	(for GMT)

blank	3	
day	4-5	(for GMT)
blank	6	
hour and minute	7-10	(for GMT)
blank	11	
blank or "-"	12	blank if north - if south
latitude	13-16	degree to tenths
blank or "-"	17	blank if east - if west
longitude	18-22	degress to tenths
blank	23-25	
station name	26-27	
blank	28-64	
the third type record:		
blank and digits	1-64	digits are nonsignificant
the fourth type record:		
blank	1	
depth (m)	2-7	meter to tenths
blank	8	
temperature (°c)	9-14	Celsius degree to thousandth
blank	15	
salinity	16-21	parts per thousand to thousandths
blank	22	
sigma-t	23-28	dimension less to thousandths
blank	29	
dynamic depth	30-35	dynamic meter to thousandths
blank	36	
potential temperature	37-42	Celsius degree to thousandths
blank	43	
observation number for each depth layer	44-48	
blank	49-64	

Print sample -see Table 1.

File index -

All STD data files consist of 28 stations. Among them there are 2 stations which were measured twice on different datas.The STD data files index is provided in Table 2.

3.Note:

of the STD data file is the average value

The temperature, salinity and depth valve for each layer from which the sigmat-t,dynamic depth,potential temperature are derived.The computation program was written by American scientists.

USA-PRC TOGA 1986A
1 9 1451 8.9 170.0 2
455 0 0

.0	27.802	34.208	21.883	.000	27.802	11
10.0	27.809	34.213	21.884	.059	27.807	18
20.0	27.813	34.213	21.883	.119	27.808	12
30.0	27.816	34.212	21.881	.178	27.809	12
40.0	27.818	34.210	21.879	.238	27.808	16
50.0	27.820	34.210	21.878	.298	27.808	24
60.0	27.824	34.210	21.877	.357	27.810	18
70.0	27.649	34.244	21.959	.417	27.633	13
80.0	24.408	34.986	23.528	.468	24.391	15
90.0	23.362	35.075	23.904	.510	23.343	16
100.0	22.202	35.024	24.197	.550	22.182	13
110.0	20.985	34.950	24.477	.586	20.964	15
120.0	19.546	34.832	24.770	.620	19.524	15
130.0	18.070	34.699	25.041	.651	18.047	10
140.0	16.603	34.617	25.331	.679	16.580	11
150.0	15.501	34.519	25.508	.705	15.478	12
160.0	13.816	34.425	25.799	.729	13.794	13
170.0	13.026	34.449	25.979	.751	13.003	11
180.0	12.539	34.450	26.076	.771	12.515	11
190.0	12.005	34.480	26.203	.790	11.981	10
200.0	11.559	34.555	26.345	.808	11.534	13
210.0	11.186	34.583	26.436	.825	11.160	11
220.0	11.062	34.624	26.490	.841	11.035	13
230.0	10.852	34.632	26.534	.857	10.824	9
240.0	10.747	34.653	26.569	.873	10.718	9
250.0	10.646	34.645	26.581	.888	10.616	9
260.0	10.514	34.647	26.606	.903	10.483	8
270.0	10.435	34.658	26.629	.918	10.402	10
280.0	10.323	34.662	26.651	.933	10.290	10

Table 1

FILE: STD TEMP1 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

****** STD SURFACE TEMPERATURE INDEX ******

STANUM	YEAR	MONTH	DAY	TIME	LAT	LONG	DEPTH	TEMP	DEPT1	TEM1
1	1986	1	9	842	10.0	170.1	200.0	11.851	500.0	7.781
2	1986	1	9	1451	8.9	170.0	200.0	11.559	500.0	8.170
3	1986	1	9	2027	8.0	170.0	200.0	11.447	500.0	8.265
4	1986	1	10	211	7.0	170.0	200.0	13.120	500.0	8.487
5	1986	1	10	801	6.0	170.0	200.0	15.332	500.0	8.202
6	1986	1	10	1525	5.0	170.0	200.0	19.267	500.0	8.248
7	1986	1	10	2130	4.0	170.0	200.0	22.300	500.0	8.182
8	1986	1	11	2	3.5	170.0	200.0	21.649	500.0	8.273
9	1986	1	11	513	3.0	170.0	200.0	18.341	500.0	8.255
10	1986	1	11	922	2.5	170.0	200.0	18.993	500.0	8.619
11	1986	1	11	1326	2.0	170.0	200.0	15.771	500.0	8.983
12	1986	1	11	1738	1.5	170.0	200.0	14.946	500.0	9.031
13	1986	1	11	2156	1.0	170.0	200.0	15.192	500.0	8.587
14	1986	1	12	312	.5	170.0	200.0	15.248	500.0	8.293
15	1986	1	12	943	.0	170.0	200.0	15.600	500.0	8.489
16	1986	1	12	1212	-.5	170.0	200.0	15.886	500.0	8.543
17	1986	1	12	1720	-1.0	170.1	200.0	16.835	500.0	8.573
18	1986	1	12	2225	-1.5	170.0	200.0	16.276	500.0	9.049
19	1986	1	13	334	-2.0	170.0	200.0	18.407	500.0	8.962
20	1986	1	13	855	-2.5	170.0	200.0	20.545	500.0	8.464
21	1986	1	13	1233	-3.0	170.0	200.0	22.048	500.0	8.417
22	1986	1	14	1156	.0	175.0	200.0	17.108	500.0	8.565
23	1986	1	15	1700	.0	180.0	200.0	16.568	999.9	99.999
24	1986	1	15	855	.0	179.9	200.0	16.204	500.0	8.357
25	1986	1	16	1345	.0	175.0	200.0	17.916	999.9	99.999
26	1986	1	16	448	.0	175.0	200.0	17.926	500.0	8.123
27	1986	1	16	2335	.0	170.0	200.0	18.265	999.9	99.999
28	1986	1	17	144	.0	170.0	200.0	18.238	500.0	8.481
29	1986	1	17	2120	.0	165.0	200.0	19.009	999.9	99.999
30	1986	1	17	2333	.0	165.0	200.0	18.881	999.9	99.999

DATA DIVSION OF CNODC.SEPTEMBER 5,1986.

Table 2

FILE: SSS DATA A1 VM/SP CONVERSATION

STANUM	YEAR	MONTH	DAY	TIME	LATT	LONG	TIMES
1	1986	1	9	842	10.0	170.1	107
2	1986	1	9	1451	8.9	170.0	105
3	1986	1	9	2027	8.0	170.0	110
4	1986	1	10	211	7.0	170.0	113
5	1986	1	10	801	6.0	170.0	112
6	1986	1	10	1525	5.0	170.0	113
7	1986	1	10	2130	4.0	170.0	97
8	1986	1	11	2	3.5	170.0	95
9	1986	1	11	513	3.0	170.0	84
10	1986	1	11	922	2.5	170.0	96
11	1986	1	11	1326	2.0	170.0	108
12	1986	1	11	1738	1.5	170.0	111
13	1986	1	11	2156	1.0	170.0	107
14	1986	1	12	312	.5	170.0	97
15	1986	1	12	943	.0	170.0	99
16	1986	1	12	1212	-.5	170.0	90
17	1986	1	12	1720	-1.0	170.1	77
18	1986	1	12	2225	-1.5	170.0	70
19	1986	1	13	334	-2.0	170.0	97
20	1986	1	13	855	-2.5	170.0	91
21	1986	1	13	1233	-3.0	170.0	105
22	1986	1	14	1156	.0	175.0	96
23	1986	1	15	1700	.0	180.0	43
24	1986	1	15	855	.0	179.9	104
25	1986	1	16	1345	.0	175.0	52
26	1986	1	16	448	.0	175.0	114
27	1986	1	16	2335	.0	170.0	44
28	1986	1	17	144	.0	170.0	91
29	1986	1	17	2120	.0	165.0	52
30	1986	1	17	2333	.0	165.0	52

USA-PRC TCGA 1986A(V
1 17 2120 .0 165.C 29(V
455 C 0(V

.0	29.637	34.419	21.432	.000	29.637	29(V
10.0	29.629	34.570	21.548	.063	29.626	37(V
20.0	29.633	34.567	21.544	.126	29.628	58(V
30.0	29.638	34.566	21.542	.189	29.630	94(V
40.0	29.641	34.576	21.548	.252	29.631	83(V
50.0	29.640	34.608	21.572	.314	29.628	89(V
60.0	29.629	34.711	21.653	.376	29.614	83(V
70.0	29.649	34.678	21.772	.438	29.632	105(V
80.0	29.568	34.921	21.831	.498	29.548	87(V
90.0	29.553	34.969	21.867	.558	29.530	84(V
100.0	29.230	35.072	22.058	.617	29.206	77(V
110.0	28.835	35.231	22.311	.674	28.808	78(V
120.0	28.124	35.247	22.558	.729	28.096	77(V
130.0	27.191	35.204	22.829	.781	27.160	74(V
140.0	23.377	35.109	23.925	.827	23.348	74(V
150.0	22.101	35.133	24.308	.865	22.071	71(V
160.0	21.037	35.122	24.594	.901	21.007	84(V
170.0	20.091	35.105	24.835	.934	20.059	80(V
180.0	19.558	35.062	24.942	.965	19.525	77(V
190.0	18.938	35.131	25.154	.995	18.904	91(V
200.0	19.009	35.253	25.229	1.024	18.973	83(V
210.0	18.412	35.267	25.391	1.051	18.375	92(V
220.0	16.791	35.104	25.660	1.076	16.755	86(V
230.0	16.111	35.067	25.790	1.100	16.074	87(V
240.0	15.869	35.045	25.829	1.123	15.831	103(V
250.0	15.598	35.072	25.911	1.145	15.559	90(V
260.0	15.080	35.054	26.013	1.166	15.040	94(V
270.0	14.297	35.008	26.147	1.186	14.257	101(V
280.0	14.086	34.987	26.176	1.206	14.046	98(V
290.0	13.310	34.914	26.281	1.224	13.269	85(V
300.0	13.061	34.900	26.321	1.242	13.020	100(V
310.0	12.955	34.891	26.335	1.260	12.912	101(V
320.0	12.753	34.863	26.354	1.278	12.709	102(V
330.0	12.436	34.828	26.389	1.295	12.392	88(V
340.0	11.869	34.780	26.461	1.312	11.824	114(V
350.0	11.429	34.750	26.520	1.329	11.384	87(V
360.0	11.201	34.745	26.558	1.345	11.156	88(V
370.0	11.131	34.739	26.567	1.360	11.085	94(V
380.0	10.568	34.698	26.636	1.376	10.522	100(V
390.0	10.287	34.689	26.678	1.390	10.241	98(V
400.0	10.122	34.679	26.699	1.405	10.075	93(V
410.0	9.734	34.650	26.743	1.419	9.687	93(V
420.0	9.493	34.636	26.772	1.433	9.446	91(V
430.0	9.336	34.622	26.787	1.446	9.288	97(V
440.0	9.097	34.613	26.819	1.460	9.049	95(V
450.0	9.027	34.613	26.830	1.473	8.978	91(V
460.0	8.986	34.614	26.838	1.486	8.935	85(V
470.0	8.929	34.619	26.850	1.499	8.878	94(V
480.0	8.865	34.613	26.857	1.512	8.813	72(V

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 8600346 C022 769003 9999 313F 76X9    1986/01/09 TT6342       166035
 8600346 F022 TT6341 9999 313F 76X9    1986/01/30 US-PRC 1     166036
 8600346 F022 TT6342 9999 313F 76X9    1986/01/09 US-PRC 1     166037
 8600346 L130 L00787 0168 7601 76X9    1986/01/09 NULL         166038
 8600346 L150 L00788 0168 7601 76X9    1985/12/12 NULL         166039
 8600346 L505 L00789 0168 7601 76X9    1985/12/12 NULL         166040

(6 rows affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 8600346 C022 769003 76X9 30     53     86/01/09   86/01/17
 8600346 F022 TT6341 76X9 56     3102   86/01/30   86/02/18
 8600346 F022 TT6342 76X9 30     570    86/01/09   86/01/17
 8600346 L130 L00787 76X9 NULL   NULL   86/01/09   86/01/19
 8600346 L150 L00788 76X9 NULL   NULL   85/12/12   86/02/18
 8600346 L505 L00789 76X9 69     NULL   85/12/12   86/02/18

(6 rows affected)
```