

880066

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800066	760083	C100		7603	76S2✓224		02/05/77	02/07/77	5	52
8800066	760084	C100		7603	76S3✓225		02/10/77	02/11/77	10	114
8800066	760085	C100		7603	76S2✓226 760049		04/21/77	04/24/77	20 16	249
8800066	760086	C100		7603	76X2✓227		05/13/77	05/15/77	20	256
8800066	760087	C100		7603	76S2✓228		06/07/77	06/10/77	20	252
8800066	760088	C100		7603	76S3✓229		07/12/77	07/14/77	20	251
8800066	760089	C100		7603	76X2✓230		08/10/77	08/12/77	20	249
8800066	760090	C100		7603	76S3✓231		09/02/77	09/09/77	19	232
8800066	760091	C100		7603	76S2✓232		10/14/77	10/16/77	20	253
8800066	760092	C100		7603	76S3✓233		11/05/77	11/06/77	13	169
8800066	760093	C100		7603	76S2✓234		11/05/77	11/06/77	6	65
8800066	760094	C100		7603	76X2✓235		12/13/77	12/15/77	20	243
8800066	760095	C100		7603	76X6✓236		01/09/78	01/12/78	18	140
8800066	760096	C100		7603	76X6✓237		02/21/78	02/22/78	13	121
8800066	760097	C100		7603	76S3✓238		02/22/78	02/23/78	7	56
8800066	760098	C100		7603	76S3✓239		03/17/78	03/19/78	20	181
8800066	760099	C100		7603	76S1✓240		04/15/78	05/15/78	19	193
8800066	760100	C100		7603	76S1✓241		05/13/78	05/15/78	20	218
8800066	760101	C100		7603	76AB✓247		09/22/78	09/23/78	20	218
8800066	760102	C100		7603	76AB✓251		11/15/78	11/16/78	17	143
8800066	760103	C100		7603	76AB✓244		07/10/78	07/12/78	13	140
8800066	760104	C100		7603	76S3✓245		08/15/78	08/17/78	13	143
8800066	760105	C100		7603	76S1✓246		08/15/78	08/16/78	13	134
8800066	760106	C100		7603	76AB✓247		09/22/78	09/24/78	10	110
8800066	760107	C100		7603	76S1✓248		09/21/78	09/23/78	13	141
8800066	760108	C100		7603	76X6✓249		10/09/78	10/10/78	13	141
8800066	760109	C100		7603	76S3✓250		10/20/78	10/21/78	7	74
8800066	760110	C100		7603	76AB✓251		11/15/78	11/17/78	12	93
8800066	760111	C100		7603	76S1✓252		11/16/78	11/17/78	11	116
8800066	760112	C100		7603	76XB✓253		12/13/78	12/16/78	24	218
8800066	760113	C100		7603	76S2✓254		01/10/79	01/11/79	13	112
8800066	760114	C100		7603	76S1✓255		01/17/79	01/18/79	11	85
8800066	760115	C100		7603	76S1✓256		02/16/79	02/17/79	13	104
8800066	760116	C100		7603	76S2✓257		02/17/79	02/18/79	13	108
8800066	760117	C100		7603	76S1✓258		03/26/79	03/27/79	13	133
8800066	760118	C100		7603	76X3✓259		03/27/79	03/28/79	13	143
8800066	760119	C100		7603	76AB✓260		04/20/79	04/22/79	11	109
8800066	760120	C100		7603	76X3✓261		04/23/79	04/24/79	13	142
8800066	760121	C100		7603	76X3✓262		05/25/79	05/27/79	13	140
8800066	760122	C100		7603	76S2✓263		05/29/79	05/30/79	13	137
8800066	760123	C100		7603	76X3✓264		06/15/79	06/21/79	26	279
8800066	760124	C100		7603	76S2✓265		07/14/79	07/16/79	13	137
8800066	760125	C100		7603	76X3✓266		07/16/79	07/17/79	13	142
8800066	760126	C100		7603	76X3✓267		08/21/79	08/22/79	6	61
8800066	760127	C100		7603	76S2✓268		08/19/79	08/22/79	20	207
8800066	760128	C100		7603	76X3✓269		09/11/79	09/12/79	13	134
8800066	760129	C100		7603	76X3✓270		10/16/79	10/17/79	12	124
8800066	760130	C100		7603	76X2✓271		10/24/79	10/25/79	13	145
8800066	760131	C100		7603	76X2✓272		11/10/79	11/11/79	10	100
8800066	760132	C100		7603	76X3✓273		12/07/79	12/08/79	12	94
8800066	760133	C100		7603	76X2✓274		12/07/79	12/09/79	13	116

8800066	760134	C100	7603	76S2✓275	01/19/80	01/20/80	13	104
8800066	760135	C100	7603	76X2✓276	01/17/80	01/19/80	13	117
8800066	760136	C100	7603	76X2✓277	02/08/80	02/09/80	10	73
8800066	760137	C100	7603	76X3✓278	02/23/80	02/25/80	13-	103
8800066	760138	C100	7603	76S2✓279	03/18/80	03/19/80	13	137
8800066	760139	C100	7603	76X3✓280	03/18/80	03/19/80	13-	143
8800066	760140	C100	7603	76S2 281	04/18/80	04/19/80	13-	134
8800066	760141	C100	7603	76X3 282	04/27/80	04/28/80	13-	143
8800066	760142	C100	7603	76S1 283	05/13/80	05/14/80	13-	132
8800066	760143	C100	7603	76X2 284	05/14/80	05/15/80	13-	138
8800066	760144	C100	7603	76S1 285	06/10/80	06/12/80	13-	139
8800066	760145	C100	7603	76X3 286	06/17/80	06/18/80	13-	136
8800066	760146	C100	7603	76X2 287	07/15/80	07/18/80	23	232
8800066	760147	C100	7603	76S1 288	08/10/80	08/11/80	13	131
8800066	760148	C100	7603	76X3 289	08/13/80	08/14/80	13	141
8800066	760149	C100	7603	76S1 290	09/25/80	09/26/80	13	133
8800066	760150	C100	7603	76X2 291	09/10/80	09/12/80	13	142
8800066	760151	C100	7603	76XB 292	10/23/80	10/26/80	24	251
8800066	760152	C100	7603	76XB 293	11/19/80	11/22/80	24	260
8800066	760153	C100	7603	76X2 294	12/21/80	12/22/80	11	87
8800066	760154	C100	7603	76XB 295	02/20/81	02/22/81	24	208
8800066	760155	C100	7603	76XB 296	04/09/81	04/12/81	24	257
8800066	760156	C100	7603	76S1 297	05/15/81	05/16/81	13	136
8800066	760157	C100	7603	76X3 298	05/15/81	05/15/81	7	79
8800066	760158	C100	7603	76S2 299	06/17/81	06/18/81	13	132
8800066	760159	C100	7603	76X3 300	06/16/81	06/17/81	13	143
8800066	760160	C100	7603	76S2 301	07/26/81	07/27/81	10	97
8800066	760161	C100	7603	76X3 302	07/15/81	07/16/81	13-	142
8800066	760162	C100	7603	76S1 303	08/14/81	08/15/81	13-	135
8800066	760163	C100	7603	76X3 304	08/14/81	08/15/81	13-	143
8800066	760164	C100	7603	76XB 305	09/25/81	09/27/81	13-	134
8800066	760165	C100	7603	76X2 306	09/19/81	09/27/81	9	88
8800066	760166	C100	7603	76X3 307	10/16/81	10/20/81	19	193
8800066	760167	C100	7603	76X9 308	10/15/81	10/16/81	7	79
8800066	760168	C100	7603	76X9 309	11/12/81	11/24/81	23	233
8800066	760169	C100	7603	76X9 310	12/11/81	12/21/81	26	220
8800066	760170	C100	7603	76X2 311	04/17/82	04/18/82	13	146
8800066	760171	C100	7603	76S2 312	04/17/82	04/18/82	13	132
8800066	760172	C100	7603	76X9 313	06/06/82	06/09/82	26	279
8800066	760173	C100	7603	76X9 314	08/20/82	08/23/82	26	274
8800066	760174	C100	7603	76XB 315	10/13/82	10/19/82	24	262
8800066	760175	C100	7603	76X9 316	12/15/82	12/20/82	26	224
8800066	760176	C100	7603	76X3 001	09/14/79	09/16/79	13	139

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ACCESSION NO. 800066FILETYPE SD2

TRACK NO. _____

PROJECT
IDENTIFICATION _____

CHINA DATA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4/8/88	U	(ASCII) (EBCDIC) A00685 - CHINA1	1	80	3200	25/83
DUPLICATE TAPE	4/13/88	U	W13526 (NL)	1	80	3200	
REFORMATTED TAPE	7/27/88	R.P.S.	W11017 *	1	112	11200	14468
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MP075 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

TAPE "CHINA1" IS ORIGINAL BUT IS BINARY.
THIS WAS CONVERTED TO TAPE A00685

* = DNODC*CHINAOUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

4800066

2800068

CHINA

Introduction to Chemical Data File

1. The Outline

Geographic coverage-a part of the Tropical Western Pacific

Time period- from Nov.19,1986 to Dec.17,1986

Investigation Institution-the first Institute of Oceanography
and the South Sea Branch of the State Oceanic Administration,PRC

Investigation Instrument- CTD and reversing water bottle

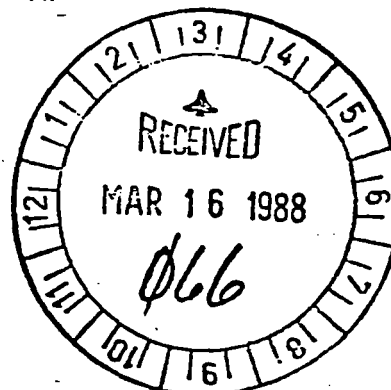
Research Vessel- "Xiangyanghong No.5", a research vessel
of SOA,PRC

Cruise-The second cruise of the U.S.-PRC cooperative investigation
of the Tropical Western Pacific (TOGA project)

Description-Chemical Data File contains depth,real depth, temperature,
salinity, density, oxygen, nitrate, nitrite,etc.

2. Chemical Data File (original) Structure-

CHINESE STUDENTS BROUGHT IN TAPE AND SAID DATA IS
SD2 FORMAT
LRECL=80



NAME HALMIŃSKI	PHONE # 673-5643	ORG/TASK #	DATE SUBMITTED 4/8/88	DATE DUE	BIR #
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INSTRUMENT TO BE USED AND FUNCTION TO BE PERFORMED

SDP

COPY INPUT

SCAN OUTPUT

8800066

INPUT MEDIUM PAPER CARD DISK (TAPE) DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK (PRINT) (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
PUT	A00685		9	1600		NL	FB	80	3200	1
	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
INPUT	W/3526		9	1600		NL	FB	80	3200	1
	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

NEED "W" TAPE

ESTIMATED
EXECUTION
TIME

31 USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
804	4/12/88	11:50	12:40	C	COMPLETED BY J.S.

REMARKS

NAME HALMINSKI	PHONE # 673-5643	ORG/TASK #	DATE SUBMITTED 3/21/88	DATE DUE	BIR #
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APPARENT TO BE USED AND FUNCTION TO BE PERFORMED

SCAN

8840066

INPUT MEDIUM PAPER CARD DISK (TAPE) DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT 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 FILE
INPUT	A00685		9	1600		NL	V6	80	3200	2
	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 FILE
INPUT										
	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 FILE
INPUT										
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

ADDITIONAL INSTRUCTIONS

*Convert to ASCII output tape
Completed CBZ and scanned output
4/7/88*

ESTIMATED
EXECUTION
TIME

FOR USER ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
032204	03/22/88	10:40	10:45	C	COMPLETED BY J.S. Input scan

REMARKS

*Keith executed through a Fortran program to
skip the first 4 bytes of each record
Input tape is in Station Data II format*

RECORD DESCRIPTION

FILE NAME: UNIVAC STATION DATA II - 80 BYTE FIXED LENGTH RECORD NAME: MASTER INFORMATION
RECORDS

RELATION OF RECORD TO THE FILE: FIRST MASTER RECORD

ELEMENT NAME AND LEVEL	LOCATION/LENGTH				REPEAT FACTOR	ATTRIBUTES: TYPE, BASE MODE, LANGUAGE, PRECISION, ETC.	USAGE AND MEANING OF ELEMENT	CONDITIONS
	Position	Units	Number	Units				
CONTIN #	1	Byte				Char (1)	Non-zero ind. multi-rec. sta.	Continuation indicator
CNTRY #*	2	Byte				Char (3)	Alphanumeric bxx	Originator's nationality
CNTRSE #*	5	Byte				Char (5)	Prefix '5'	NODC reference number
CONSEC #*	10	Byte				Char (4)		NODC consecutive number
RECID *	14	Byte				Char (2)	19 for Nansen Cast, 62 for STD	Record Identification
AREA CD #*	16	Byte				Char (2)	01-10	Ocean area
TENSD #*	18	Byte				Char (4)	0-1735, starts at 20°E long.	Canadian ten degree square
ONE SD #*	22	Byte				Char (2)	00-99, Canadian system	One degree square
TWO SD *	24	Byte				Char (2)	0-33 by 2's, Canadian	Two degree square
FIVE SD *	26	Byte				Char (1)	1-4, Canadian	Five degree square
LATHEM *	27	Byte				Char (1)	N or S	Hemisphere of latitude
LAT DEG *	28	Byte				Char (2)	0-90	Degrees latitude
LAT MIN *	30	Byte				Char (2)	0-60, blank	Minutes latitude
LAT TEN *	32	Byte				Char (1)	0-9, blank	Minutes latitude, tenths
LONGHEM *	33	Byte				Char (1)	W or E	Hemisphere of longitude
LONG DEG *	34	Byte				Char (3)	0-180 if 180 long.min=0, or blank	Degrees longitude
LONG MIN *	37	Byte				Char (2)	0-60, blank	Minutes longitude
LONG TEN *	39	Byte				Char (1)	0-9, blank	Minutes longitude, tenths
QUARTER	40	Byte				Char (1)	1, 2, 3, 4, or 9	Quarter degree square
YEAR #*	41	Byte				Char (2)	00-present, blank	Year
MONTH #*	43	Byte				Char (2)	1-12	Month of year
DAY *	45	Byte				Char (2)	1-31, blank	Day of month
TIME	47	Byte				Char (3)	blank 000-99, 9, blank	Station time, GMT hours
SHIP *	51	Byte				Char (6)	alphanumeric, left justified	Ship, to be unique numeric code
DEPTH *	56	Byte				Char (5)	0-11, 999 or blank	Depth to bottom, meters
DEPTH *	61	Byte				Char (4)	Depth of deepest sound velocity	Effective depth, meters
DUR CST	66	Byte				Char (3)	from 3rd obs. record for STD	Cast duration, hours
TRACE D	68	Byte				Char (1)	U, D, A, or blank	Trace direction

* Indicates field in Parameter Inventory File

RECORD DESCRIPTION

FILE NAME: UNIVAC STATION DATA II. RECORD NAME: MASTER INFORMATION

RELATION OF RECORD TO THE FILE: FIRST MASTER RECORD

[illegible]

RECORD DESCRIPTION

FILE NAME: UNIVAC STATION DATA II

RECORD NAME: MASTER INFORMATION

RELATION OF RECORD TO THE FILE: SECOND MASTER RECORD

ELEMENT NAME AND LEVEL	LOCATION		LENGTH		REPEAT FACTOR	ATTRIBUTES: TYPE, BASE MODE, LANGUAGE, PRECISION, ETC.	USAGE AND MEANING OF ELEMENT	CONDITIONS
	Position	Units	Number	Units				
DEPTH	1	Byte				Char (4)	DBOT DEPEFF, minus or blank	Difference depth, meters
VERTSP	5	Byte				Char (2)	00-99, blank	Vertical sample spacing
SALPCT	7	Byte				Char (1)	0-9 or -	Percent salinity present
OXPCT	8	Byte				Char (1)	0-9 or -	Percent oxygen present
P04PCT	9	Byte				Char (1)	0-9 or -	Percent inorganic P04 present
T0TPCT	10	Byte				Char (1)	0-9 or -	Percent total phosphorous "
SIOPCT	11	Byte				Char (1)	0-9 or -	Percent silicated present
NO2PCT	12	Byte				Char (1)	0-9 or -	Percent nitrites present
NO3PCT	13	Byte				Char (1)	0-9 or -	Percent nitrates present
PHPCT	14	Byte				Char (1)	0-9 or -	Percent PH present
ORGCRS	15	Byte				Char (3)	Alphanumeric	Originator's cruise
ORGSTA	18	Byte				Char (9)	Alphanumeric, left justified	Originator's station
COLOR	27	Byte				Char (2)	00-21, blank	Water color, Forel-Ule code
TRANS	29	Byte				Char (2)	00-99, blank, Secchi disk	Water transparency, meters
WAVDIR	31	Byte				Char (2)	00-36, 49, 50-56, 99, blank	Wave direction, WMO Code 0885
HEIGHT	33	Byte				Char (1)	0-9, x, blank if SEASTATE pres	Wave height, WMO Code 1555
SEASTA	34	Byte				Char (1)	blank if HEIGHT present	Seastate, WMO Code 3700
FORCE	35	Byte				Char (2)	blank if SPEED present	Wind force, Beaufort Code
FILL2	37	Byte				Char (1)	only used for updating file	Sorting control information
PERIOD	38	Byte				Char (1)	0-9, x, blank if seastate pres	Wave period, WMO Code 3155
WINDIR	39	Byte				Char (2)	Tens of degrees or blank	Wind direction, WMO Code 877
SPEED	41	Byte				Char (2)	Blank if wind force present	Wind speed, knots
BAROM	43	Byte				Char (5)	00450-10449, blank	Barometric pressure, millibars
DRY	48	Byte				Char (4)	bxx.x, bxx.b or blank	Dry bulb temperature, centigrade
DRYIN	52	Byte				Char (1)	0, 1, or 9	Wet bulb indicator, precision
WET	53	Byte				Char (4)	bxx.x, bxx.b or blank	Wet bulb temperature, centigrade
WETIN	57	Byte				Char (1)	0, 1, or 9	Wet bulb indicator, precision
WEATHER	58	Byte				Char (2)	WMO Code 4501 is single digit	WMO Code 4501 or WMO Code 4577

RECORD DESCRIPTION

RECORD NAME: MASTER INFORMATION

RELATION OF RECORD TO THE FILE: SECOND MASTER RECORD.

[illegible]

*Indicates field in Parameter Inventory File

RECORD DESCRIPTION

FILE NAME: UNIVAC STATION DATA II

RECORD NAME: OBSERVED DEPTH INFORMATION

RELATION OF RECORD TO THE FILE:

ELEMENT NAME/LOCATION/ AND LEVEL	LENGTH				REPEAT FACTOR	ATTRIBUTES: TYPE, BASE, MODE, LANGUAGE, PRECISION, ETC.	USAGE AND MEANING OF ELEMENT	CONDITIONS
	Position	Units	Number	Units				
DEPOBS	1	Byte				Char (5)	00000-12000	Depth, meters
DEPIN	6	Byte				Char (1)	6,7,8,numeric cond.code or blank	Depth quality indicator
THERM	7	Byte				Char (1)	T for thermometric depth, blank	Thermometric depth
TMPOBS	8	Byte				Char (5)	-4.0bb to 45.000	Temperature, centigrade
TEMPC	13	Byte				Char (1)	1, 2, 3, or 9	Temperature, precision
TEMPIN	14	Byte				Char (1)	7, 8 or condition, blank	Temperature quality indicator
SAL OBS	15	Byte				Char (5)	0.0bb - 45.000	Salinity, parts/thousand
SALPR	20	Byte				Char (1)	1, 2, 3, or 9	Salinity precision
SALIN	21	Byte				Char (1)	7, 8 or condition, blank	Salinity quality indicator
SIGMAT	22	Byte				Char (4)	-4.00 to 45.00, blank	Sea water density, (G/L)
SIGIND	26	Byte				Char (1)	8,9 numeric cond. code or blank	Sigma-t quality indicator
SNDVEL	27	Byte				Char (5)	1300.0 - 1600.0	Sound velocity, meters/sec.
SNDPR	32	Byte				Char (1)	1 or 9	Sound velocity precision
OXYOBS	33	Byte				Char (4)	00.0b - 14.00, blank	Oxygen, milliliters/liter
OXYPR	37	Byte				Char (1)	1, 2 or 9	Oxygen precision
OXYIND	38	Byte				Char (1)	8 or blank	Oxygen quality indicator
OBSFLGS	39	Byte				Char (1)	Phosphate > 4.00	Blank or 1. 1=yes.
	40	Byte				Char (1)	Total Phosphorous < Phosphate	" "
	41	Byte				Char (1)	Silicate-Silicon > 300	" "
	42	Byte				Char (1)	Nitrite-Nitrogen > 4.00	" "
	43	Byte				Char (1)	Nitrate-Nitrogen > 45.0	" "
	44	Byte				Char (1)	PH < 7.40 or > 8.50	" "
MTIME	45	Byte				Char (3)	00.b to 99.9, blank	Release time of messenger
CASTNO	48	Byte				Char (1)	0-9	Cast number
PHOSP	49	Byte				Char (4)	xx.xx, blank or bx.xx	Inorganic phosphate
PHOSPR	53	Byte				Char (1)	1, 2, 4, 5, or 9	Inorganic phosphate precision
TOTPH	54	Byte				Char (4)	blank or bx.xx	Total phosphate

RECORD DESCRIPTION:

UNIVAC STATION DATA II

RECORDED NAME: OBSERVED DEPTH INFORMATION (CONTINUED)

RELATION OF RECORD TO THE FILE:

ELEMENT NAME AND UNIT	LOCATION		LENGTH		REPEAT FACTOR	ATTRIBUTES: TYPE, BASE, MODE, RANGE, PRECISION, ETC.	USAGE AND MEANING OF ELEMENT	CONDITIONS
	Position	Units	Number	Units				
TPHSIN	58	Byte				Char (1)	1, 2, 4, 5, or 9	Total phosphorus precision
SI03	59	Byte				Char (4)	blank or xxx.b	Silicates
SI03PR	63	Byte				Char (1)	0, 1, 4, 5, or 9	Silicates precision
NO2	64	Byte				Char (3)	blank or x.xx	Nitrites
NO2PR	67	Byte				Char (1)	0, 1, 4, 5, or 9	Nitrites precision
NO3	68	Byte				Char (3)	blank or xx.x	Nitrates
NO3PR	71	Byte				Char (1)	0, 1, 4, 5, or 9	Nitrate precision
PH	72	Byte				Char (3)	blank or x.xx	PH
PHPR	75	Byte				Char (1)	1, 2, 4, 5, or 9	PH indicator
OBSFLGS							first 5 chemistry fields in units of microgram-atoms per lit	
	76	Byte				Char (2)	blank	
	78	Byte				Char (1)	Sigma-t decreases by > .02	Blank or 1. 1=yes
NXTCBS	79	Byte				Char (1)	1, 3, 4, 6, or 7	Next record type
OBSTYP	80	Byte				Char (1)	3 or 4	Record type

RECORD DESCRIPTION

FILE NAME: UNIVAC STATION DATA II

RECORD NAME: STANDARD DEPTH INFORMATION

RELATION OF RECORD TO THE FILE:

ELEMENT NAME/ AND LEVEL	LOCATION/LENGTH				REPEAT FACTOR	ATTRIBUTES: TYPE, BASE, MODE, RANGE, PRECISION, ETC.	USAGE AND MEANING OF ELEMENT	CONDITIONS
	Position	Units	Number	Units				
SDEPTH	1	Byte				Char (5)	00000-12000	Depth, meters
SDEPIN	6	Byte				Char (1)	blank only	Depth quality
PAD	7	Byte				Char (1)	blank for word alignment	Not used
STEMP	8	Byte				Char (4)	-4.00 to 44.00, blank	Temperature, centigrade
PAD	12	Byte				Char (1)	Blank for word alignment	Not used
STEMPR	13	Byte				Char (1)	2 or 9	Temperature precision
PAD	14	Byte				Char (1)	Blank for word alignment	Not used
SSALIN	15	Byte				Char (4)	00.00 to 45.00, blank	Salinity, parts/thousand
PAD	19	Byte				Char (1)	Blank for word alignment	Not used
SLLPR	20	Byte				Char (1)	2 or 9	Salinity precision
PAD	21	Byte				Char (1)	Blank for word alignment	Not used
SSIGT	22	Byte				Char (4)	-4.00-45.00, blank	Sea water density (G/L)
SSIGIN	26	Byte				Char (1)	9 or blank	Sigma-t quality indicator
SSVEL	27	Byte				Char (5)	1300.0-1600.0, blank	Sound velocity, meters/sec
SNDPR	32	Byte				Char (1)	1 or 9	Sound velocity precision
SOXY	33	Byte				Char (4)	00.00-14.00, blank	Oxygen, milliliters/liter
SOXYPR	37	Byte				Char (1)	2 or 9	Oxygen precision
PAD	38	Byte				Char (1)	Blank	Not used
SDYD	39	Byte				Char (5)	-2.000-4.000, blank	Dynamic depth anomaly
SDYDPR	44	Byte				Char (1)	3 or 9	Dynamic depth anomaly prec
PADS	45	Byte				Char (31)	Blank for word alignment	Not used
	76	Byte				Char (2)	Blank	
STNFLG	78	Byte				Char (1)	Sigma-t decreases by more than .02	Blank or 1. 1=yes
NXTSTN	79	Byte				Char (1)	3, 4, 6, or 7	Next record indicator
STNTYP	80	Byte				Char (1)	6 or 7	Standard record type

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8800066	C100	760101	9999	7603	76AB	1978/09/22	247	177559
8800066	C100	760102	9999	7603	76AB	1978/11/15	251	177560
8800066	C100	760103	9999	7603	76AB	1978/07/10	244	177561
8800066	C100	760106	9999	7603	76AB	1978/09/22	247	177562
8800066	C100	760110	9999	7603	76AB	1978/11/15	251	177563
8800066	C100	760119	9999	7603	76AB	1979/04/20	260	177565
8800066	C100	760114	9999	7603	76S1	1979/01/17	255	177564
8800066	C100	760142	9999	7603	76S1	1980/05/13	283	177566
8800066	C100	760144	9999	7603	76S1	1980/06/10	285	177567
8800066	C100	760083	9999	7603	76S2	1977/02/05	224	177557
8800066	C100	760093	9999	7603	76S2	1977/11/05	234	177558
8800066	C100	760176	9999	7603	76X3	1979/09/14	001	177569
8800066	C100	760167	9999	7603	76X9	1981/10/15	308	177568

(13 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	-----	-----	-----	-----	-----	-----	-----
8800066	C100	760101	76AB	20	10	78/09/22	78/09/24
8800066	C100	760102	76AB	17	12	78/11/15	78/11/17
8800066	C100	760103	76AB	13	13	78/07/10	78/07/12
8800066	C100	760106	76AB	10	NULL	78/09/22	78/09/24
8800066	C100	760110	76AB	12	NULL	78/11/15	78/11/17
8800066	C100	760119	76AB	11	11	79/04/20	79/04/22
8800066	C100	760114	76S1	11	11	79/01/17	79/01/18
8800066	C100	760142	76S1	13	13	80/05/13	80/05/14
8800066	C100	760144	76S1	13	13	80/06/10	80/06/12
8800066	C100	760083	76S2	5	5	77/02/05	77/02/07
8800066	C100	760093	76S2	6	6	77/11/05	77/11/06
8800066	C100	760176	76X3	13	13	79/09/14	79/09/16
8800066	C100	760167	76X9	7	7	81/10/15	81/10/16

(13 rows affected)