

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9300190	TW6034	F156		313B	32DB	1965	10/01/93	10/31/93	1	399
9300190	TW6035	F156		313B	32DB	17170	10/01/93	10/31/93	1	310
9300190	TW6036	F156		313B	32DB	17171	10/01/93	10/31/93	1	259
9300190	TW6037	F156		313B	32DB	17172	10/01/93	10/31/93	1	278
9300190	TW6038	F156		313B	32DB	17161	10/01/93	10/31/93	1	284
9300190	TW6039	F156		313B	32DB	1974	10/01/93	10/31/93	1	264
9300190	TW6040	F156		313B	32DB	1979	10/01/93	10/31/93	1	278
9300190	TW6041	F156		313B	32DB	17163	10/01/93	10/31/93	1	283
9300190	TW6042	F156		313B	32DB	17164	10/01/93	10/31/93	1	306
9300190	TW6043	F156		313B	32DB	17165	10/01/93	10/31/93	1	317
9300190	TW6044	F156		313B	32DB	17166	10/01/93	10/31/93	1	301
9300190	TW6045	F156		313B	32DB	17167	10/01/93	10/31/93	1	340
9300190	TW6046	F156		313B	32DB	5131	10/01/93	10/31/93	1	215
9300190	TW6047	F156		313B	32DB	1989	10/01/93	10/31/93	1	248
9300190	TW6048	F156		313B	32DB	1973	10/01/93	10/31/93	1	255
9300190	TW6049	F156		313B	32DB	1993	10/01/93	10/31/93	1	269
9300190	TW6050	F156		313B	32DB	1970	10/01/93	10/31/93	1	284
9300190	TW6051	F156		313B	32DB	17168	10/01/93	10/31/93	1	282
9300190	TW6052	F156		313B	32DB	5130	10/01/93	10/31/93	1	274
9300190	TW6053	F156		313B	32DB	5119	10/01/93	10/31/93	1	249
9300190	TW6054	F156		313B	32DB	1994	10/01/93	10/31/93	1	229

21 5924

DDFO38

Q3-002

21 TRKa

5,924 records



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Data Buoy Center
Stennis Space Center, Mississippi 39529-6000

November 17, 1993

F1804-02
DB3:93-0365
MKB:pl


Mr. Anthony Picciolo
Chief, Data Acquisition and Management Branch
NODC/NESDIS/NOAA
Universal South Room 416
1825 Connecticut Ave., N.W.
Washington, DC 20235

Dear Mr. Picciolo:

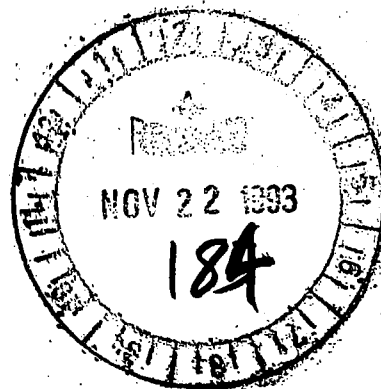
Enclosed is a 9TK 6250 BPI, NDBC Drifting Buoy tape for October 1993, recorded in the 156 tape format. The enclosure contains a list of stations that are on the tape.

If you have any questions, please call B. G. Redmon at (601) 688-2834.

Sincerely,


Michael K. Bardette
Oceanographer
Data Systems Division

Enclosure



9300190
A01733
D05178



DRIFTING BUOYS ARCHIVED FOR OCTOBER, 1993

17815 /
32813 /
32814 /
33833 /
33834 /
33838 /
33839 /
33840 /
33841 /
33842 /
53823 /
53824 /
54801 /
54802 /
54804 /
54844 /
56801 /
56802 /
56803

21



ACCESSION NO. 9300190 FILETYPE F156

TRACK NO. _____

PROJECT IDENTIFICATION

TOR

TW6034-6054

0168

TEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	NO. LRECL	BLK SIZE	NO. RECORD
ORIG. TAPE	11-22-93	FJM	D05178 (A01733)	1	80	4080	5944
DUPLICATE TAPE TAPE <u>DAMUS DISK</u>	2-24-94	✓	DNO DC * 9300190 DAT.	1	80	224	✓
REFORMATTED TAPE TAPE <u>DAMUS DISK</u>	3-8-94	✓	DNO DC * OCT 156 OUT.	1	80	224	5924
REFORMATTED DISK			deleted 04/19/94				
FIRST MULCHEK							
FINAL MULCHEK							
PD75 OR F022							
DATA SET FINALIZED							

COPIED TO OPTICAL: 2-24-94

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

NODC "156" FORMAT

RECORDING MODE: ASCII

NUMBER OF TRACKS: 9

PARITY: ODD

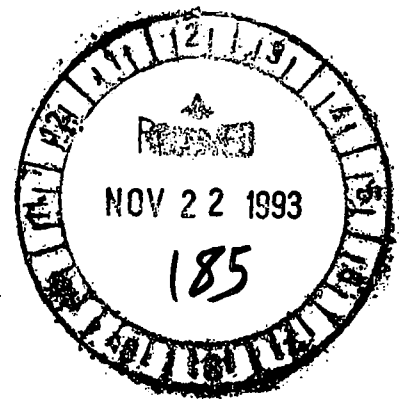
DENSITY: 6250 BPI

PHYSICAL BLOCK LENGTH IN BYTES: 4080

LENGTH OF BYTES IN BITS: 8

NOTE: THE FIRST THREE CHARACTERS ARE ALWAYS 156.

9300190
D05178



FILE TYPE 156 - LAGRANGIAN CURRENT MEASUREMENTS II - 03/30/83 VERSION

NOTES AND CORRECTIONS

THIS FORMAT IS DESIGNED TO SUPPORT STUDIES OF CIRCULATION PATTERNS THROUGH PERIODIC TRACKING OF DRIFTING BUOYS, DROGUES, OR OTHER INSTRUMENTS WHOSE MOVEMENTS CAN BE REPORTED BY SHORE-BASED, SURFACE SHIP, AIRCRAFT OR SATELLITE OBSERVATIONS. MOVEMENT CAN BE DESCRIBED OVER PERIODS RANGING FROM MINUTES TO MONTHS. ICE MOVEMENT AS WELL AS CURRENT PATTERNS MAY BE REPORTED USING THIS FORMAT.

THE FORMAT CONSISTS OF SEVEN RECORDS FOR REPORTING INVESTIGATOR AND PLATFORM INFORMATION, LAUNCH SUMMARY INFORMATION, POSITION, DATE AND TIME OF INDIVIDUAL OBSERVATIONS, SUPPLEMENTARY CLIMATOLOGICAL AND SEA SURFACE AND SUBSURFACE OCEANOGRAPHIC DATA AS WELL AS TEXT RECORDS THAT CAN BE RELATED TO EACH DROGUE OR BUOY. MOVEMENT IS REPORTED AS POINT-TO-POINT GEOGRAPHIC LOCATIONS. DIRECTIONS AND SPEEDS BETWEEN INDIVIDUAL OBSERVATIONS ARE COMPUTED BY THE DATA CENTER AS REQUIRED FOR SPECIFIC DATA SUMMARIES OR GRAPHIC PRODUCTS.

ALL RECORDS IN THIS FORMAT ARE 80 COLUMNS IN LENGTH. THIS FILE TYPE IS SORTED BY DROGUE OR BUOY NUMBER WITH SEQUENCE NUMBERS USED TO RETAIN THE PROPER SEQUENCE OF DATA AND TEXT RECORDS FOR EACH DROGUE.

THE FIRST NINE COLUMNS FOR ALL RECORDS ARE TO BE USED FOR FILE TYPE (COLUMNS 1-3) AND FILE IDENTIFIER (COLUMNS 4-9). THE FILE IDENTIFIER, TO BE ASSIGNED BY THE ORIGINATOR, IS A UNIQUE ORIGINATOR ID FOR EACH DATA SUBMISSION. AFTER SUBMISSION, THE NODC REASSIGNS TO THIS FIELD A UNIQUE NODC IDENTIFIER FOR INTERNAL USE.

THIS FORMAT WAS DEVELOPED PRINCIPALLY TO SUPPORT THE OCEAN THERMAL ENERGY CONVERSION (OTEC) PROGRAM. IT IS ALSO INTENDED TO REPLACE AN EARLIER LAGRANGIAN CURRENT FORMAT (FTP 056) FOR OTHER MARINE CIRCULATION STUDIES.

**** 04/01/85 RECORD 'C' - ADDED SALINITY FLAG ****

**** 12/31/86 ADDED RECORD 'E' AND 'F' ****

**** 09/18/91 ADDED PRESSURE TENDENCY TO RECORD TYPE 'C' ****

156/PG 1

PARAMETER	DESCRIPTION	SC
HEADER RECORD	ALWAYS 'A'	10
DROGUE NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY INVESTIGATOR - ANALOGOUS TO STATION NUMBER	11
DROGUE TYPE	FIVE-CHARACTER FIELD FOR INDICATING TYPE OF DROGUE - DETERMINED BY INVESTIGATOR	16
PRINCIPAL INVESTIGATOR	15-CHARACTER FIELD FOR NAME OF PRINCIPAL INVESTIGATOR	21
INSTITUTION OR AGENCY	15-CHARACTER FIELD FOR NAME OF INSTITUTION OR AGENCY	36
PLATFORM NAME	12-CHARACTER FIELD FOR NAME OF PLATFORM ACQUIRING DATA OR DEPLOYING BUOY	51
BUOY NUMBER	FIVE-CHARACTER FIELD FOR IDENTIFYING THE BUOY ASSOCIATED WITH DROGUE	63
BLANKS		68

LAUNCH SUMMARY RECORD	ALWAYS 'B' - ONLY ONE OF THESE RECORDS SHOULD BE SUBMITTED WITH EACH DROGUE DEPLOYMENT	10
DROGUE NUMBER	SEE RECORD 'A'	11
LAUNCH POSITION:	POSITION AT DEPLOYMENT	
LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	16
LONGITUDE	DDMMSS PLUS HEMISPHERE 'E' OR 'W'	23
END POSITION:	POSITION AT PICKUP OR TERMINATION OF OBSERVATIONS	
LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	31
LONGITUDE	DDMMSS PLUS HEMISPHERE 'E' OR 'W'	38
LAUNCH DATE (GMT)	YYMMDD	46
LAUNCH TIME (GMT)	XXXX-HOURS AND MINUTES	52
END DATE (GMT)	YYMMDD	56
END TIME (GMT)	XXXX-HOURS AND MINUTES	62
DROGUE DEPTH	XXXX-DEPTH IN METERS	66
OBSERVATION	XXXX-HOURS AND MINUTES - USE WHEN BUOY POSITIONS ARE REPORTED AT SPECIFIC TIME INTERVALS	70
FREQUENCY		
BLANKS		74
DATA RECORD	ALWAYS 'C' - EACH RECORD CONTAINS INDIVIDUAL DROGUE POSITION AND ASSOCIATED SEA SURFACE CONDITIONS	10
DROGUE NUMBER	SEE RECORD 'A'	11
OBSERVED POSITION:		
LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	16
LONGITUDE	DDMMSS PLUS HEMISPHERE 'E' OR 'W'	23
OBSERVED DATE (GMT)	YYMMDD	31
OBSERVED TIME (GMT)	XXXX-HOURS AND MINUTES	37
SURFACE TEMPERATURE	XXX-DEG C (TO TENTHS)	41
SURFACE SALINITY	XXXX-PARTS PER THOUSAND (TO HUNDREDTHS)	44
ATMOSPHERIC PRESSURE	XXXXXX-MILLIBARS (TO HUNDREDTHS)	48
WIND SPEED	XX-METERS PER SECOND	54
WIND DIRECTION	XX-TENS OF DEGREES	56
WIND FORCE	ONE-CHARACTER CODE - USE CODE 0052	58
WAVE HEIGHT	ONE-CHARACTER CODE - USE CODE 0104	59
WAVE PERIOD	ONE-CHARACTER CODE - USE CODE 0378	60
STATE	ONE-CHARACTER CODE - USE CODE 0109	61
BOTTOM DEPTH	XXXX-BOTTOM DEPTH AT REPORTED BUOY POSITION (DEPTH IN METERS)	62
AIR TEMPERATURE	XXXX - DEG C TO TENTHS. NEGATIVE VALUES PRECEDED BY MINUS SIGN	66
SALINITY FLAG	ONE-CHARACTER CODE - USE CODE 0502	70
CHARACTERISTIC OF	ONE-CHARACTER CODE - USE CODE 0618	71
PRESSURE TENDENCY	(WMO CODE 0200)	
NET CHANGE IN BAROMETRIC	XXX - MILLIBARS TO TENTHS	72
PRESSURE IN LAST 3 HRS.		
BLANKS		75
SEQUENCE NUMBER	XXXX-USE TO SORT RECORDS FOR EACH DROGUE/BUOY - SEQUENCE NUMBERS SHOULD BE IN ASCENDING ORDER	77

SUBSURFACE RECORD	ALWAYS 'D' - EACH RECORD CONTAINS SUBSURFACE DATA ASSOCIATED WITH THE DROGUES	10
DROGUE NUMBER	SEE RECORD 'A'	11
DEPTH	XXXXX - METERS TO HUNDREDTHS	16
PRESSURE	XXXXX - DECIBARS TO HUNDREDTHS	21
TEMPERATURE	XXX - DEG C TO TENTHS. NEGATIVE VALUES PRECEDED BY MINUS SIGN	26
DEPTH	XXXXX - METERS TO HUNDREDTHS	29
PRESSURE	XXXXX - DECIBARS TO HUNDREDTHS	34
TEMPERATURE	XXX - DEG C TO TENTHS	39
DEPTH	XXXXX - METERS TO HUNDREDTHS	42
PRESSURE	XXXXX - DECIBARS TO HUNDREDTHS	47
TEMPERATURE	XXX - DEG C TO TENTHS	52
DEPTH	XXXXX - METERS TO HUNDREDTHS	55
PRESSURE	XXXXX - DECIBARS TO HUNDREDTHS	60
TEMPERATURE	XXX - DEG C TO TENTHS	65
BLANKS		68
SEQUENCE NUMBER	XXXX - SEE ABOVE	77
DATA RECORD 2	ALWAYS 'E' - EACH RECORD CONTAINS INDIVIDUAL DROGUE POSITION (OBSERVED OR INTERPOLATED) AND ASSOCIATED SURFACE CONDITIONS	10
DROGUE NUMBER	SEE RECORD 'A'	11
POSITION:		
LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	16
LONGITUDE	DDMMSS PLUS HEMISPHERE 'E' OR 'W'	23
OBSERVED DATE (GMT)	YYMMDD	31
OBSERVED TIME (GMT)	XXXX - HOURS AND MINUTES	37
HEIGHT OF ANEMOMETER	XXX - METERS TO TENTHS	41
WIND SPEED	XXX - METERS/SEC TO TENTHS	44
WIND DIRECTION	XXXX - DEGREES TO TENTHS FROM NORTH- DIRECTION FROM	47
ATMOSPHERIC PRESSURE	XXXXXX - MILLIBARS TO HUNDREDTHS	51
AIR TEMPERATURE	XXXX - DEG C TO TENTHS	57
COMPASS BEARING OF SURFACE UNIT	XXXX - DEGREES TO TENTHS FROM NORTH	61
BLANKS		65
POSITION CODE	C FOR CALCULATED OR INTERPOLATED M FOR MEASURED OR OBSERVED	76
SEQUENCE NUMBER	XXXX - USE TO SORT RECORDS FOR EACH DROGUE/BUOY-SEQUENCE NUMBERS SHOULD BE IN ASCENDING ORDER	77

SUBSURFACE CURRENT RECORD	ALWAYS 'F' - EACH RECORD CONTAINS SUBSURFACE CURRENT DATA ASSOCIATED WITH THE DROGUES. IF MORE THAN TWO CURRENT METERS ARE DEPLOYED WITH A DROGUE, USE MULTIPLE 'F' RECORDS. SEE RECORD 'A'	10
DROGUE NUMBER		11
POSITION:		
LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	16
LONGITUDE	DDMMSS PLUS HEMISPHERE 'E' OR 'W'	23
OBSERVED DATE (GMT)	YYMMDD	31
OBSERVED TIME (GMT)	XXXX - HOURS AND MINUTES	37
ICE VELOCITY SPEED	XXXXX - CM/SEC TO TENTHS	41
ICE VELOCITY DIRECTION	XXXX - DEGREES TO TENTHS FROM NORTH- DIRECTION TOWARD	46
DEPTH OF CURRENT METER	XXXX - METERS TO TENTHS	50
ABSOLUTE CURRENT SPEED	XXXXX - CM/SEC TO TENTHS	54
ABSOLUTE CURRENT DIRECTION	XXXX - DEGREES TO TENTHS FROM NORTH- DIRECTION TOWARD	59
DEPTH OF CURRENT METER	XXXX - METERS TO TENTHS	63
ABSOLUTE CURRENT SPEED	XXXXX - CM/SEC TO TENTHS	67
ABSOLUTE CURRENT DIRECTION	XXXX - DEGREES TO TENTHS FROM NORTH- DIRECTION TOWARD	72
POSITION CODE	C FOR CALCULATED OR INTERPOLATED M FOR MEASURED OR OBSERVED	76
SEQUENCE NUMBER	XXXX - USE TO SORT RECORDS FOR EACH DROGUE/BUOY-SEQUENCE NUMBERS SHOULD BE IN ASCENDING ORDER	77
TEXT RECORD	ALWAYS 'T' - USE FOR COMMENTS AND OTHER INFORMATION	10
DROGUE NUMBER	SEE RECORD 'A'	11
TEXT	61-CHARACTER FIELD FOR COMMENTS- MULTIPLE TEXT RECORDS MAY BE USED TO DESCRIBE INDIVIDUAL DROGUE OBSERVATIONS OR FOR GENERAL COMMENTS	16
SEQUENCE NUMBER	TEXT RECORDS MAY BE INSERTED BETWEEN OR FOLLOW DATA RECORDS DEPENDING ON THE NATURE OF THE COMMENTS. THE ORDER OF SEQUENCE NUMBERS SHOULD REFLECT THE PROPER SORTING OF COMBINED DATA AND TRACK RECORDS FOR EACH DROGUE/BUOY.	77

Date: Fri, 25 Mar 94 14:31:11 -0500

From: Damus FTP <DAMUS@dumbo>

cliffh@ursa.nodc.noaa.gov

Subject: CH6034.LST

SY\$*PR@000D6034C(1). 00 D6034C X

032594125722 01

@RUN,N/R D6034C,EG12008N3AV1,DNODC,050/,295

@SYM PRINT\$,1,PR5

@X\$*COVER.COVER BIN-09,CH6034,LST

BBBBBBBBBB	IIIIIIIIII	NN	NN	-	-	-	0000
BBBBBBBBBB	IIIIIIIIII	NNN	NN	-	-	-	000000
BB	II	NNNN	NN	-	-	-	000
BB	II	NNNNN	NN	-	-	-	000
BB	II	NN NNN	NN	-	-	-	00 0
BBBBBBBBBB	II	NN NNN	NN	-----			00 0
BBBBBBBBBB	II	NN NNN	NN	-----			00 0
BB	II	NN NNN	NN	-	-	-	00 0
BB	II	NN NNNN	NN	-	-	-	0000
BB	II	NN NNNN	NN	-	-	-	000
BBBBBBBBBB	IIIIIIIIII	NN	NNN	-	-	-	0000000
BBBBBBBBBB	IIIIIIIIII	NN	NN	-	-	-	0 0000
CCCCCCCC	HH	HH	666666		0000	0	33333
CCCCCCCC	HH	HH	6666666666		0000000000		3333333
CC	CC	HH	666	66	000	000	333
CC	CC	HH	66		000	0000	33
CC	HH	HH	66		00	0 00	
CC	HHHHHHHHHH	66	6666666		00	0 00	3
CC	HHHHHHHHHH	6666666666			00	0 00	3
CC	HH	HH	66	66	00	0 00	
CC	HH	HH	66	66	0000	000	33
CC	HH	HH	66	66	000	000	333
CCCCCCCC	HH	HH	6666666666		0000000000		3333333
CCCCCCCC	HH	HH	666666		0	0000	33333
LL	SSSSSSSS	TTTTTTTTTTTT					
LL	SSSSSSSSSS	TTTTTTTTTTTT					
LL	SS	SS	TT				
LL	SS		TT				
LL	SS		TT				
LL	SSSSSSSSSS		TT				
LL	SSSSSSSSSS		TT				
LL	SS	SS	TT				
LL	SS	SS	TT				
LL	SS	SS	TT				
LL	SS	SS	TT				
LLLLLLLLLLLL	SSSSSSSSSS	TT					
LLLLLLLLLLLL	SSSSSSSS	TT					
0000	0	222222	555555555555				99999
0000000000	333333	2222222222	555555555555				9999999
000	000	222	55				99
000	0000	22	55				99
00	0 00	222	55				99
00	0 00	222	5555555555				9999999
00	0 00	222	5555555555				9999999
00	0 00	222	55				99
00	000	222	55				99
00	000	222	5555555555				9999999
0000000000	3333333333	222222222222	5555555555				9999999
0	0000	222222222222	55555555				99999

@PRT,S DNODC*CLIFT.156CHECKA

FURPUR 30R1F (900830 1547:20) 1994 Mar 25 Fri 1257:35

DNODC*CLIFT(1).156CHECKA(26)

6054
6034

20

21

TRKA

5,924 records

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1      @RUN,N/R D6034C,EG12008N3AV1,DNODC,050/,295
2      @SYM PRINT$,1,PR5
3      @X$*COVER.COVER BIN-09,CH6034,LST
4      @PRT,S DNODC*CLIFT.156CHECKA
5      @ASG,T PRINT-OUT.
6      @XQT DNODC*ABS$.GET-SYS
7      F156
8      MB04665          94
9      MB05665          94
10     MC03165          94
11     NC041-20         360
12     ZC070
13     ZC071
14     ZD068
15     ZT016
16     @EOF
17     @ASG,A DNODC*NUMCODEISAM.
18     @USE ISAM,DNODC*NUMCODEISAM.
19     @DFP,E DNODC*CDATA.F156TW6034,TPF$.IN
20     FILE=/PAR
21     @END
22     @USE SYSIN,PRINT-OUT.
23     @ASG,T SORTIN.,F///6000
24     @XQT DNODC*ABS$.MULCHEK
25     @FREE ISAM.
26     @ASG,A DNODC*TAXISAM.
27     @USE ISAM,DNODC*TAXISAM.
28     @ASG,T SORTOUT.,F///6000
29     @XQT DNODC*ABS$.STATAX
30     @FREE ISAM.
31     @ED,R CDATA.F156TW6034
32     LIM LOC 10 10
33     LC B
34     LNP 1 200
35     OMIT
@ASG,T PRINT-OUT.
@XQT DNODC*ABS$.GET-SYS
F156
MB04665          94
MB05665          94
MC03165          94
NC041-20         360
ZC070
ZC071
ZD068
ZT016
END OF CHANGE CONTROL CARDS
@ASG,A DNODC*NUMCODEISAM.
@USE ISAM,DNODC*NUMCODEISAM.
@DFP,E DNODC*CDATA.F156TW6034,TPF$.IN
DFP 2R1 75R2T2 03/25/94 12:58:15
GENERATION ID IS DFP2R1
END DFP.
D
D IGNORED - IN CONTROL MODE
@USE SYSIN,PRINT-OUT.
@ASG,T SORTIN.,F///6000
@XQT DNODC*ABS$.MULCHEK

```

THIS IS 06/21/82 VERSION WITH LINE NUMBERS ON ERRORS

USER'S INPUT REQUESTS FOLLOW:

FILE HAS BEEN SPECIFIED AS 80

STATION HEADER RECORD SPECIFIED AS B

RECORD TYPE WILL BE TAKEN FROM COLUMN 10 OF THE INPUT RECORDS

FILETYPE IS 156

RECORD TYPES FLAGGED FOR RETRIEVAL ARE - ABCDEFT

STATION STARTS IN POSITION 11 FOR 5 BYTES

STATION WILL APPEAR ON RECORD TYPES : ABCDEFT

NO OBVIOUS ERRORS FOUND IN TABLE GENERATION PHASE - SUCCESSFUL EXECUTION EXPECTED

0 156TW6034A17815SPAR R. KOZAK TOGA SA AGULHAS 1965
?????

FIRST FILE ID

1 156TW6034A17815SPAR R. KOZAK TOGA SA AGULHAS 1965
?????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMBER

T R POS LEN NAME

RANGE TESTED
LOW H

Z	A	11	5	STATION NUMBER		
Z	A	16	5	TEXT		
Z	A	21	15	TEXT		
Z	A	36	15	TEXT		
Z	A	51	12	TEXT		
Z	A	63	5	TEXT		
B	A	68	13	BLANK(S)		
Z	B	11	5	STATION NUMBER		
		16	2	LAT DEG	00	89
		18	2	LAT MIN	00	59
M	B	20	2	LAT SEC	00	59
C	B	22	1	0500 LAT HEMISPHERE		
M	B	23	3	LON DEG	000	179
M	B	26	2	LON MIN	00	59
M	B	28	2	LON SEC	00	59
C	B	30	1	0501 LON HEMISPHERE		
M	B	31	2	LAT DEG	00	89
M	B	33	2	LAT MIN	00	59
M	B	35	2	LAT SEC	00	59
C	B	37	1	0500 LAT HEMISPHERE		
M	B	38	3	LON DEG	000	179
M	B	41	2	LON MIN	00	59
M	B	43	2	LON SEC	00	59
C	B	45	1	0501 LON HEMISPHERE		
M	B	46	2	DATE YEAR	65	94
M	B	48	2	DATE MONTH	01	12
M	B	50	2	DATE DAY	01	31
N	B	52	2	DATE HR	00	23
N	B	54	2	DATE MIN	00	59
M	B	56	2	DATE YEAR	65	94
M	B	58	2	DATE MONTH	01	12
M	B	60	2	DATE DAY	01	31
		62	2	DATE HR	00	23
		64	2	DATE MIN	00	59
N	B	66	4	DEPTH M 1.	000	6000
N	B	70	2	DATE HR	00	99
N	B	72	2	DATE MIN	00	99
B	B	74	7	BLANK(S)		

Z C	11	5 STATION NUMBER		
M C	16	2 LAT DEG	00	89
	18	2 LAT MIN	00	59
	20	2 LAT SEC	00	59
C C	22	1 0500 LAT HEMISPHERE		
M C	23	3 LON DEG	000	179
M C	26	2 LON MIN	00	59
M C	28	2 LON SEC	00	59
C C	30	1 0501 LON HEMISPHERE		
M C	31	2 DATE YEAR	65	94
M C	33	2 DATE MONTH	01	12
M C	35	2 DATE DAY	01	31
N C	37	2 DATE HR	00	23
N C	39	2 DATE MIN	00	59
N C	41	3 TEMPERATURE DEG C .1	-20	360
N C	44	4 SALINITY PPT .01	NO RANGE	CHECKI
N C	48	6 ATMOSPHERIC PRESSURE MB .01	089000	1080
N C	54	2 WIND SPEED M/SEC 1.	00	99
N C	56	2 WIND DIRECTION DEG 10.	00	36
C C	58	1 0052 WIND FORCE		
C C	59	1 0104 WAVE HT (WMO1555)		
C C	60	1 EGAC WAVE PERIOD		
C C	61	1 0109 SEA STATE (WMO3700)		
N C	62	4 DEPTH M 1.	NO RANGE	CHECKI
N C	66	4 TEMPERATURE DEG C .1	-500	0500
Z C	70	1 0502 SALINITY FLAG		
Z C	71	1 0618		
N C	72	3 ATMOSPHERIC PRESSURE MB .1	000	999
	75	2 BLANK(S)		
	77	4 SEQUENCE NUMBER 1.	0001	9999
	11	5 STATION NUMBER		
N D	16	5 DEPTH M .01	00000	9999
N D	21	5 PRESSURE DB .01	00000	9999
N D	26	3 TEMPERATURE DEG C .1	-20	300
N D	29	5 DEPTH M .01	00000	9999
N D	34	5 PRESSURE DB .01	00000	9999
N D	39	3 TEMPERATURE DEG C .1	-20	300
N D	42	5 DEPTH M .01	00000	9999
N D	47	5 PRESSURE DB .01	00000	9999
N D	52	3 TEMPERATURE DEG C .1	-20	300
N D	55	5 DEPTH M .01	00000	9999
N D	60	5 PRESSURE DB .01	00000	9999
N D	65	3 TEMPERATURE DEG C .1	-20	300
Z D	68	9 BLANK(S)		
N D	77	4 SEQUENCE NUMBER	NO RANGE	CHECKI
Z E	11	5 STATION NUMBER		
M E	16	2 LAT DEG	00	89
M E	18	2 LAT MIN	00	59
M E	20	2 LAT SEC	00	59
C E	22	1 0500 LAT HEMISPHERE		
M E	23	3 LON DEG	000	179
M E	26	2 LON MIN	00	59
M E	28	2 LON SEC	00	59
	30	1 0501 LON HEMISPHERE		
	31	2 DATE YEAR	70	93
M E	33	2 DATE MONTH	01	12
M E	35	2 DATE DAY	01	31
N E	37	2 DATE HR	00	23
N E	39	2 DATE MIN	00	59

N E	41	3	ALTITUDE M .1	000	100
N E	44	3	WIND SPEED M/SEC .1	000	999
	47	4	WIND DIRECTION DEG :1	0000	3599
	51	6	PRESSURE MB .01	089000	1080
N E	57	4	TEMPERATURE DEG C .1	-500	0500
C E	61	4	0096 COMPASS DIRECTION		
B E	65	11	BLANK(S)		
C E	76	1	0503 POSITION DETERMINATION FLAG		
N E	77	4	SEQUENCE NUMBER 1.	0001	9999
Z F	11	5	STATION NUMBER		
M F	16	2	LAT DEG	00	89
M F	18	2	LAT MIN	00	59
M F	20	2	LAT SEC	00	59
C F	22	1	0500 LAT HEMISPHERE		
M F	23	3	LON DEG	000	179
M F	26	2	LON MIN	00	59
M F	28	2	LON SEC	00	59
C F	30	1	0501 LON HEMISPHERE		
M F	31	2	DATE YEAR	70	93
M F	33	2	DATE MONTH	01	12
M F	35	2	DATE DAY	01	31
N F	37	2	DATE HR	00	23
N F	39	2	DATE MIN	00	59
N F	41	5	SPEED PLATFORM CM/SEC .1	0000	2000
N F	46	4	DIRECTION DEG .1	0000	3599
N F	50	4	DEPTH M .1	0001	9999
N F	54	5	CURRENT SPEED CM/SEC .1	0000	2000
N F	59	4	CURRENT DIRECTION DEG .1	0000	3599
N F	63	4	DEPTH M .1	0001	9999
N F	67	5	CURRENT SPEED CM/SEC .1	0000	2000
N F	72	4	CURRENT DIRECTION DEG .1	0000	3599
C F	76	1	0503 POSITION DETERMINATION FLAG		
N F	77	4	SEQUENCE NUMBER 1.	0001	9999
Z T	11	5	STATION NUMBER		
Z T	16	61	TEXT		
N T	77	4	SEQUENCE NUMBER 1.	0001	9999
RECORDS READ :				399	
STATIONS FOUND				1	

399 156TW6035A32811SPAR R. KOZAK TOGA AIRCRAFT 17170

??????

FILE ID HAS CHANGED

400 156TW6035A32811SPAR R. KOZAK TOGA AIRCRAFT 17170

??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMBER RANGE TESTED)

T	R	POS	LEN	NAME	LOW	H
Z	A	11	5	STATION NUMBER		
Z	A	16	5	TEXT		
Z	A	21	15	TEXT		
		36	15	TEXT		
		51	12	TEXT		
Z	A	63	5	TEXT		
B	A	68	13	BLANK(S)		
Z	B	11	5	STATION NUMBER		
M	B	16	2	LAT DEG	00	89
M	B	18	2	LAT MIN	00	59

M B	20	2 LAT SEC	00	59
C B	22	1 0500 LAT HEMISPHERE		
	23	3 LON DEG	000	179
	26	2 LON MIN	00	59
M B	28	2 LON SEC	00	59
C B	30	1 0501 LON HEMISPHERE		
M B	31	2 LAT DEG	00	89
M B	33	2 LAT MIN	00	59
M B	35	2 LAT SEC	00	59
C B	37	1 0500 LAT HEMISPHERE		
M B	38	3 LON DEG	000	179
M B	41	2 LON MIN	00	59
M B	43	2 LON SEC	00	59
C B	45	1 0501 LON HEMISPHERE		
M B	46	2 DATE YEAR	65	94
M B	48	2 DATE MONTH	01	12
M B	50	2 DATE DAY	01	31
N B	52	2 DATE HR	00	23
N B	54	2 DATE MIN	00	59
M B	56	2 DATE YEAR	65	94
M B	58	2 DATE MONTH	01	12
M B	60	2 DATE DAY	01	31
N B	62	2 DATE HR	00	23
N B	64	2 DATE MIN	00	59
N B	66	4 DEPTH M 1.	000	6000
N B	70	2 DATE HR	00	99
N B	72	2 DATE MIN	00	99
B B	74	7 BLANK(S)		
	11	5 STATION NUMBER		
	16	2 LAT DEG	00	89
	18	2 LAT MIN	00	59
M C	20	2 LAT SEC	00	59
C C	22	1 0500 LAT HEMISPHERE		
M C	23	3 LON DEG	000	179
M C	26	2 LON MIN	00	59
M C	28	2 LON SEC	00	59
C C	30	1 0501 LON HEMISPHERE		
M C	31	2 DATE YEAR	65	94
M C	33	2 DATE MONTH	01	12
M C	35	2 DATE DAY	01	31
N C	37	2 DATE HR	00	23
N C	39	2 DATE MIN	00	59
N C	41	3 TEMPERATURE DEG C .1	-20	360
N C	44	4 SALINITY PPT .01	NO RANGE	CHECKI
N C	48	6 ATMOSPHERIC PRESSURE MB .01	089000	1080
N C	54	2 WIND SPEED M/SEC 1.	00	99
N C	56	2 WIND DIRECTION DEG 10.	00	36
C C	58	1 0052 WIND FORCE		
C C	59	1 0104 WAVE HT (WMO1555)		
C C	60	1 EGAC WAVE PERIOD		
C C	61	1 0109 SEA STATE (WMO3700)		
N C	62	4 DEPTH M 1.	NO RANGE	CHECKI
	66	4 TEMPERATURE DEG C .1	-500	0500
	70	1 0502 SALINITY FLAG		
Z C	71	1 0618		
N C	72	3 ATMOSPHERIC PRESSURE MB .1	000	999
B C	75	2 BLANK(S)		
N C	77	4 SEQUENCE NUMBER 1.	0001	9999
Z D	11	5 STATION NUMBER		

N D	16	5 DEPTH M .01	00000	9999
N D	21	5 PRESSURE DB .01	00000	9999
	26	3 TEMPERATURE DEG C .1	-20	300
	29	5 DEPTH M .01	00000	9999
N D	34	5 PRESSURE DB .01	00000	9999
N D	39	3 TEMPERATURE DEG C .1	-20	300
N D	42	5 DEPTH M .01	00000	9999
N D	47	5 PRESSURE DB .01	00000	9999
N D	52	3 TEMPERATURE DEG C .1	-20	300
N D	55	5 DEPTH M .01	00000	9999
N D	60	5 PRESSURE DB .01	00000	9999
N D	65	3 TEMPERATURE DEG C .1	-20	300
Z D	68	9 BLANK(S)		
N D	77	4 SEQUENCE NUMBER	NO RANGE CHECKI	
Z E	11	5 STATION NUMBER		
M E	16	2 LAT DEG	00	89
M E	18	2 LAT MIN	00	59
M E	20	2 LAT SEC	00	59
C E	22	1 0500 LAT HEMISPHERE		
M E	23	3 LON DEG	000	179
M E	26	2 LON MIN	00	59
M E	28	2 LON SEC	00	59
C E	30	1 0501 LON HEMISPHERE		
M E	31	2 DATE YEAR	70	93
M E	33	2 DATE MONTH	01	12
M E	35	2 DATE DAY	01	31
N E	37	2 DATE HR	00	23
N E	39	2 DATE MIN	00	59
N E	41	3 ALTITUDE M .1	000	100
	44	3 WIND SPEED M/SEC .1	000	999
	47	4 WIND DIRECTION DEG .1	0000	3599
N E	51	6 PRESSURE MB .01	089000	1080
N E	57	4 TEMPERATURE DEG C .1	-500	0500
C E	61	4 0096 COMPASS DIRECTION		
B E	65	11 BLANK(S)		
C E	76	1 0503 POSITION DETERMINATION FLAG		
N E	77	4 SEQUENCE NUMBER 1.	0001	9999
Z F	11	5 STATION NUMBER		
M F	16	2 LAT DEG	00	89
M F	18	2 LAT MIN	00	59
M F	20	2 LAT SEC	00	59
C F	22	1 0500 LAT HEMISPHERE		
M F	23	3 LON DEG	000	179
M F	26	2 LON MIN	00	59
M F	28	2 LON SEC	00	59
C F	30	1 0501 LON HEMISPHERE		
M F	31	2 DATE YEAR	70	93
M F	33	2 DATE MONTH	01	12
M F	35	2 DATE DAY	01	31
N F	37	2 DATE HR	00	23
N F	39	2 DATE MIN	00	59
N F	41	5 SPEED PLATFORM CM/SEC .1	0000	2000
	46	4 DIRECTION DEG .1	0000	3599
	50	4 DEPTH M .1	0001	9999
N F	54	5 CURRENT SPEED CM/SEC .1	0000	2000
N F	59	4 CURRENT DIRECTION DEG .1	0000	3599
N F	63	4 DEPTH M .1	0001	9999
N F	67	5 CURRENT SPEED CM/SEC .1	0000	2000
N F	72	4 CURRENT DIRECTION DEG .1	0000	3599

C F 76 1 0503 POSITION DETERMINATION FLAG
 N F 77 4 SEQUENCE NUMBER 1. 0001 9999
 11 5 STATION NUMBER
 16 61 TEXT
 N T 77 4 SEQUENCE NUMBER 1. 0001 9999
 RECORDS READ : 310
 STATIONS FOUND 1

 709 156TW6036A32812SPAR R. KOZAK TOGA AIRCRAFT 17171
 ??????
 FILE ID HAS CHANGED

 710 156TW6036A32812SPAR R. KOZAK TOGA AIRCRAFT 17171
 ??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS (S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER
 T R POS LEN NAME RANGE TESTED
 - - - - - - - - - - LOW H

| | | | | | |
|-----|----|----|---------------------|-----|------|
| Z A | 11 | 5 | STATION NUMBER | | |
| Z A | 16 | 5 | TEXT | | |
| Z A | 21 | 15 | TEXT | | |
| Z A | 36 | 15 | TEXT | | |
| Z A | 51 | 12 | TEXT | | |
| Z A | 63 | 5 | TEXT | | |
| B A | 68 | 13 | BLANK(S) | | |
| Z B | 11 | 5 | STATION NUMBER | | |
| M B | 16 | 2 | LAT DEG | 00 | 89 |
| M B | 18 | 2 | LAT MIN | 00 | 59 |
| M B | 20 | 2 | LAT SEC | 00 | 59 |
| M B | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M B | 23 | 3 | LON DEG | 000 | 179 |
| M B | 26 | 2 | LON MIN | 00 | 59 |
| M B | 28 | 2 | LON SEC | 00 | 59 |
| C B | 30 | 1 | 0501 LON HEMISPHERE | | |
| M B | 31 | 2 | LAT DEG | 00 | 89 |
| M B | 33 | 2 | LAT MIN | 00 | 59 |
| M B | 35 | 2 | LAT SEC | 00 | 59 |
| C B | 37 | 1 | 0500 LAT HEMISPHERE | | |
| M B | 38 | 3 | LON DEG | 000 | 179 |
| M B | 41 | 2 | LON MIN | 00 | 59 |
| M B | 43 | 2 | LON SEC | 00 | 59 |
| C B | 45 | 1 | 0501 LON HEMISPHERE | | |
| M B | 46 | 2 | DATE YEAR | 65 | 94 |
| M B | 48 | 2 | DATE MONTH | 01 | 12 |
| M B | 50 | 2 | DATE DAY | 01 | 31 |
| N B | 52 | 2 | DATE HR | 00 | 23 |
| N B | 54 | 2 | DATE MIN | 00 | 59 |
| M B | 56 | 2 | DATE YEAR | 65 | 94 |
| M B | 58 | 2 | DATE MONTH | 01 | 12 |
| M B | 60 | 2 | DATE DAY | 01 | 31 |
| N B | 62 | 2 | DATE HR | 00 | 23 |
| N B | 64 | 2 | DATE MIN | 00 | 59 |
| M B | 66 | 4 | DEPTH M 1. | 000 | 6000 |
| M B | 70 | 2 | DATE HR | 00 | 99 |
| N B | 72 | 2 | DATE MIN | 00 | 99 |
| B B | 74 | 7 | BLANK(S) | | |
| Z C | 11 | 5 | STATION NUMBER | | |
| M C | 16 | 2 | LAT DEG | 00 | 89 |
| M C | 18 | 2 | LAT MIN | 00 | 59 |

| | | | | |
|-----|----|-------------------------------|-----------------|------|
| M C | 20 | 2 LAT SEC | 00 | 59 |
| C C | 22 | 1 0500 LAT HEMISPHERE | | |
| | 23 | 3 LON DEG | 000 | 179 |
| | 26 | 2 LON MIN | 00 | 59 |
| M C | 28 | 2 LON SEC | 00 | 59 |
| C C | 30 | 1 0501 LON HEMISPHERE | | |
| M C | 31 | 2 DATE YEAR | 65 | 94 |
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE CHECKI | |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE CHECKI | |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 BLANK(S) | | |
| N D | 77 | 4 SEQUENCE NUMBER | NO RANGE CHECKI | |
| Z E | 11 | 5 STATION NUMBER | | |
| M E | 16 | 2 LAT DEG | 00 | 89 |
| M E | 18 | 2 LAT MIN | 00 | 59 |
| M E | 20 | 2 LAT SEC | 00 | 59 |
| C E | 22 | 1 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 LON DEG | 000 | 179 |
| M E | 26 | 2 LON MIN | 00 | 59 |
| M E | 28 | 2 LON SEC | 00 | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | |
| M E | 31 | 2 DATE YEAR | 70 | 93 |
| | 33 | 2 DATE MONTH | 01 | 12 |
| | 35 | 2 DATE DAY | 01 | 31 |
| N E | 37 | 2 DATE HR | 00 | 23 |
| N E | 39 | 2 DATE MIN | 00 | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 WIND DIRECTION DEG .1 | 0000 | 3599 |

| | | | | | |
|--------------------|----|----|----------------------------------|--------|------|
| N E | 51 | 6 | PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 | TEMPERATURE DEG C .1 | -500 | 0500 |
| | 61 | 4 | 0096 COMPASS DIRECTION | | |
| | 65 | 11 | BLANK(S) | | |
| C E | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| | | | | | |
| Z F | 11 | 5 | STATION NUMBER | | |
| M F | 16 | 2 | LAT DEG | 00 | 89 |
| M F | 18 | 2 | LAT MIN | 00 | 59 |
| M F | 20 | 2 | LAT SEC | 00 | 59 |
| C F | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 | LON DEG | 000 | 179 |
| M F | 26 | 2 | LON MIN | 00 | 59 |
| M F | 28 | 2 | LON SEC | 00 | 59 |
| C F | 30 | 1 | 0501 LON HEMISPHERE | | |
| M F | 31 | 2 | DATE YEAR | 70 | 93 |
| M F | 33 | 2 | DATE MONTH | 01 | 12 |
| M F | 35 | 2 | DATE DAY | 01 | 31 |
| N F | 37 | 2 | DATE HR | 00 | 23 |
| N F | 39 | 2 | DATE MIN | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 | STATION NUMBER | | |
| Z T | 16 | 61 | TEXT | | |
| N T | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| RECORDS READ : 259 | | | | | |
| STATIONS FOUND 1 | | | | | |

968 156TW6037A32813SPAR R. KOZAK TOGA AIRCRAFT 17172

??????

FILE ID HAS CHANGED

969 156TW6037A32813SPAR R. KOZAK TOGA AIRCRAFT 17172

??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER RANGE TESTED

| T | R | POS | LEN | NAME | LOW | H |
|---|---|-----|-----|------|-----|---|
|---|---|-----|-----|------|-----|---|

| | | | | | |
|-----|----|----|---------------------|----|----|
| Z A | 11 | 5 | STATION NUMBER | | |
| Z A | 16 | 5 | TEXT | | |
| Z A | 21 | 15 | TEXT | | |
| Z A | 36 | 15 | TEXT | | |
| Z A | 51 | 12 | TEXT | | |
| | 63 | 5 | TEXT | | |
| | 68 | 13 | BLANK(S) | | |
| Z B | 11 | 5 | STATION NUMBER | | |
| M B | 16 | 2 | LAT DEG | 00 | 89 |
| M B | 18 | 2 | LAT MIN | 00 | 59 |
| M B | 20 | 2 | LAT SEC | 00 | 59 |
| C B | 22 | 1 | 0500 LAT HEMISPHERE | | |

| | | | | |
|-----|----|-------------------------------|-----------------|------|
| M B | 23 | 3 LON DEG | 000 | 179 |
| M B | 26 | 2 LON MIN | 00 | 59 |
| | 28 | 2 LON SEC | 00 | 59 |
| | 30 | 1 0501 LON HEMISPHERE | | |
| M B | 31 | 2 LAT DEG | 00 | 89 |
| M B | 33 | 2 LAT MIN | 00 | 59 |
| M B | 35 | 2 LAT SEC | 00 | 59 |
| C B | 37 | 1 0500 LAT HEMISPHERE | | |
| M B | 38 | 3 LON DEG | 000 | 179 |
| M B | 41 | 2 LON MIN | 00 | 59 |
| M B | 43 | 2 LON SEC | 00 | 59 |
| C B | 45 | 1 0501 LON HEMISPHERE | | |
| M B | 46 | 2 DATE YEAR | 65 | 94 |
| M B | 48 | 2 DATE MONTH | 01 | 12 |
| M B | 50 | 2 DATE DAY | 01 | 31 |
| N B | 52 | 2 DATE HR | 00 | 23 |
| N B | 54 | 2 DATE MIN | 00 | 59 |
| M B | 56 | 2 DATE YEAR | 65 | 94 |
| M B | 58 | 2 DATE MONTH | 01 | 12 |
| M B | 60 | 2 DATE DAY | 01 | 31 |
| N B | 62 | 2 DATE HR | 00 | 23 |
| N B | 64 | 2 DATE MIN | 00 | 59 |
| N B | 66 | 4 DEPTH M 1. | 000 | 6000 |
| N B | 70 | 2 DATE HR | 00 | 99 |
| N B | 72 | 2 DATE MIN | 00 | 99 |
| B B | 74 | 7 BLANK(S) | | |
| Z C | 11 | 5 STATION NUMBER | | |
| M C | 16 | 2 LAT DEG | 00 | 89 |
| M C | 18 | 2 LAT MIN | 00 | 59 |
| | 20 | 2 LAT SEC | 00 | 59 |
| | 22 | 1 0500 LAT HEMISPHERE | | |
| M C | 23 | 3 LON DEG | 000 | 179 |
| M C | 26 | 2 LON MIN | 00 | 59 |
| M C | 28 | 2 LON SEC | 00 | 59 |
| C C | 30 | 1 0501 LON HEMISPHERE | | |
| M C | 31 | 2 DATE YEAR | 65 | 94 |
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE CHECKI | |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE CHECKI | |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| | 71 | 1 0618 | | |
| | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |

| | | | | | |
|-----|----|----|----------------------------------|-----------------|------|
| N D | 26 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 | DEPTH M .01 | 00000 | 9999 |
| | 34 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| | 39 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 | DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 | DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 | BLANK(S) | | |
| N D | 77 | 4 | SEQUENCE NUMBER | NO RANGE CHECKI | |
| Z E | 11 | 5 | STATION NUMBER | | |
| M E | 16 | 2 | LAT DEG | 00 | 89 |
| M E | 18 | 2 | LAT MIN | 00 | 59 |
| M E | 20 | 2 | LAT SEC | 00 | 59 |
| C E | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 | LON DEG | 000 | 179 |
| M E | 26 | 2 | LON MIN | 00 | 59 |
| M E | 28 | 2 | LON SEC | 00 | 59 |
| C E | 30 | 1 | 0501 LON HEMISPHERE | | |
| M E | 31 | 2 | DATE YEAR | 70 | 93 |
| M E | 33 | 2 | DATE MONTH | 01 | 12 |
| M E | 35 | 2 | DATE DAY | 01 | 31 |
| N E | 37 | 2 | DATE HR | 00 | 23 |
| N E | 39 | 2 | DATE MIN | 00 | 59 |
| N E | 41 | 3 | ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 | WIND SPEED M/SEC .1 | 000 | 999 |
| | 47 | 4 | WIND DIRECTION DEG .1 | 0000 | 3599 |
| | 51 | 6 | PRESSURE MB .01 | 089000 | 1080 |
| | 57 | 4 | TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 | 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 | BLANK(S) | | |
| C E | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z F | 11 | 5 | STATION NUMBER | | |
| M F | 16 | 2 | LAT DEG | 00 | 89 |
| M F | 18 | 2 | LAT MIN | 00 | 59 |
| M F | 20 | 2 | LAT SEC | 00 | 59 |
| C F | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 | LON DEG | 000 | 179 |
| M F | 26 | 2 | LON MIN | 00 | 59 |
| M F | 28 | 2 | LON SEC | 00 | 59 |
| C F | 30 | 1 | 0501 LON HEMISPHERE | | |
| M F | 31 | 2 | DATE YEAR | 70 | 93 |
| M F | 33 | 2 | DATE MONTH | 01 | 12 |
| M F | 35 | 2 | DATE DAY | 01 | 31 |
| N F | 37 | 2 | DATE HR | 00 | 23 |
| N F | 39 | 2 | DATE MIN | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | 0001 | 9999 |
| | 54 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| | 59 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |

Z T 11 5 STATION NUMBER
Z T 16 61 TEXT
77 4 SEQUENCE NUMBER 1.
RECORDS READ : 278
STATIONS FOUND 1

0001 9999

1246 156TW6038A32814SPAR R. KOZAK TOGA AIRCRAFT 17161
??????

FILE ID HAS CHANGED

1247 156TW6038A32814SPAR R. KOZAK TOGA AIRCRAFT 17161
??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMBER
T R POS LEN NAME RANGE TESTED
- - - - - LOW H

| | | | | | |
|-----|----|----|---------------------|-----|------|
| Z A | 11 | 5 | STATION NUMBER | | |
| Z A | 16 | 5 | TEXT | | |
| Z A | 21 | 15 | TEXT | | |
| Z A | 36 | 15 | TEXT | | |
| Z A | 51 | 12 | TEXT | | |
| Z A | 63 | 5 | TEXT | | |
| B A | 68 | 13 | BLANK(S) | | |
| Z B | 11 | 5 | STATION NUMBER | | |
| M B | 16 | 2 | LAT DEG | 00 | 89 |
| M B | 18 | 2 | LAT MIN | 00 | 59 |
| M B | 20 | 2 | LAT SEC | 00 | 59 |
| C B | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M B | 23 | 3 | LON DEG | 000 | 179 |
| M B | 26 | 2 | LON MIN | 00 | 59 |
| M B | 28 | 2 | LON SEC | 00 | 59 |
| C B | 30 | 1 | 0501 LON HEMISPHERE | | |
| M B | 31 | 2 | LAT DEG | 00 | 89 |
| M B | 33 | 2 | LAT MIN | 00 | 59 |
| M B | 35 | 2 | LAT SEC | 00 | 59 |
| C B | 37 | 1 | 0500 LAT HEMISPHERE | | |
| M B | 38 | 3 | LON DEG | 000 | 179 |
| M B | 41 | 2 | LON MIN | 00 | 59 |
| M B | 43 | 2 | LON SEC | 00 | 59 |
| C B | 45 | 1 | 0501 LON HEMISPHERE | | |
| M B | 46 | 2 | DATE YEAR | 65 | 94 |
| M B | 48 | 2 | DATE MONTH | 01 | 12 |
| M B | 50 | 2 | DATE DAY | 01 | 31 |
| N B | 52 | 2 | DATE HR | 00 | 23 |
| N B | 54 | 2 | DATE MIN | 00 | 59 |
| M B | 56 | 2 | DATE YEAR | 65 | 94 |
| M B | 58 | 2 | DATE MONTH | 01 | 12 |
| M B | 60 | 2 | DATE DAY | 01 | 31 |
| N B | 62 | 2 | DATE HR | 00 | 23 |
| N B | 64 | 2 | DATE MIN | 00 | 59 |
| N B | 66 | 4 | DEPTH M 1. | 000 | 6000 |
| N B | 70 | 2 | DATE HR | 00 | 99 |
| N B | 72 | 2 | DATE MIN | 00 | 99 |
| N B | 74 | 7 | BLANK(S) | | |
| Z C | 11 | 5 | STATION NUMBER | | |
| M C | 16 | 2 | LAT DEG | 00 | 89 |
| M C | 18 | 2 | LAT MIN | 00 | 59 |
| M C | 20 | 2 | LAT SEC | 00 | 59 |
| C C | 22 | 1 | 0500 LAT HEMISPHERE | | |

| | | | | |
|-----|----|-------------------------------|-----------------|------|
| M C | 23 | 3 LON DEG | 000 | 179 |
| M C | 26 | 2 LON MIN | 00 | 59 |
| | 28 | 2 LON SEC | 00 | 59 |
| | 30 | 1 0501 LON HEMISPHERE | | |
| | | | | |
| M C | 31 | 2 DATE YEAR | 65 | 94 |
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE CHECKI | |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE CHECKI | |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 BLANK(S) | | |
| N D | 77 | 4 SEQUENCE NUMBER | NO RANGE CHECKI | |
| Z E | 11 | 5 STATION NUMBER | | |
| M E | 16 | 2 LAT DEG | 00 | 89 |
| M E | 18 | 2 LAT MIN | 00 | 59 |
| M E | 20 | 2 LAT SEC | 00 | 59 |
| C E | 22 | 1 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 LON DEG | 000 | 179 |
| M E | 26 | 2 LON MIN | 00 | 59 |
| M E | 28 | 2 LON SEC | 00 | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | |
| M E | 31 | 2 DATE YEAR | 70 | 93 |
| M E | 33 | 2 DATE MONTH | 01 | 12 |
| M E | 35 | 2 DATE DAY | 01 | 31 |
| | 37 | 2 DATE HR | 00 | 23 |
| | 39 | 2 DATE MIN | 00 | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |

| | | | | | |
|----------------|----|----|----------------------------------|------|------|
| C E | 61 | 4 | 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 | BLANK(S) | | |
| | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z F | 11 | 5 | STATION NUMBER | | |
| M F | 16 | 2 | LAT DEG | 00 | 89 |
| M F | 18 | 2 | LAT MIN | 00 | 59 |
| M F | 20 | 2 | LAT SEC | 00 | 59 |
| C F | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 | LON DEG | 000 | 179 |
| M F | 26 | 2 | LON MIN | 00 | 59 |
| M F | 28 | 2 | LON SEC | 00 | 59 |
| C F | 30 | 1 | 0501 LON HEMISPHERE | | |
| M F | 31 | 2 | DATE YEAR | 70 | 93 |
| M F | 33 | 2 | DATE MONTH | 01 | 12 |
| M F | 35 | 2 | DATE DAY | 01 | 31 |
| N F | 37 | 2 | DATE HR | 00 | 23 |
| N F | 39 | 2 | DATE MIN | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| | 11 | 5 | STATION NUMBER | | |
| | 16 | 61 | TEXT | | |
| N T | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| RECORDS READ : | | | 284 | | |
| STATIONS FOUND | | | 1 | | |

| | | | | |
|------|------------------------------|------|---------|------|
| 1530 | 156TW6039A33833SPAR R. KOZAK | TOGA | UNKNOWN | 1974 |
| | ????? | | | |

FILE ID HAS CHANGED

| | | | | |
|------|------------------------------|------|---------|------|
| 1531 | 156TW6039A33833SPAR R. KOZAK | TOGA | UNKNOWN | 1974 |
| | ????? | | | |

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER RANGE TESTED

| T | R | POS | LEN | NAME | LOW | H |
|---|---|-----|-----|------|-----|---|
|---|---|-----|-----|------|-----|---|

| | | | | | | |
|---|---|----|----|---------------------|-----|-----|
| Z | A | 11 | 5 | STATION NUMBER | | |
| Z | A | 16 | 5 | TEXT | | |
| Z | A | 21 | 15 | TEXT | | |
| Z | A | 36 | 15 | TEXT | | |
| Z | A | 51 | 12 | TEXT | | |
| Z | A | 63 | 5 | TEXT | | |
| B | A | 68 | 13 | BLANK(S) | | |
| | | 11 | 5 | STATION NUMBER | | |
| | | 16 | 2 | LAT DEG | 00 | 89 |
| M | B | 18 | 2 | LAT MIN | 00 | 59 |
| M | B | 20 | 2 | LAT SEC | 00 | 59 |
| C | B | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M | B | 23 | 3 | LON DEG | 000 | 179 |
| M | B | 26 | 2 | LON MIN | 00 | 59 |

| | | | | |
|-----|----|-------------------------------|-----------------|------|
| M B | 28 | 2 LON SEC | 00 | 59 |
| C B | 30 | 1 0501 LON HEMISPHERE | | |
| M B | 31 | 2 LAT DEG | 00 | 89 |
| | 33 | 2 LAT MIN | 00 | 59 |
| | 35 | 2 LAT SEC | 00 | 59 |
| C B | 37 | 1 0500 LAT HEMISPHERE | | |
| M B | 38 | 3 LON DEG | 000 | 179 |
| M B | 41 | 2 LON MIN | 00 | 59 |
| M B | 43 | 2 LON SEC | 00 | 59 |
| C B | 45 | 1 0501 LON HEMISPHERE | | |
| M B | 46 | 2 DATE YEAR | 65 | 94 |
| M B | 48 | 2 DATE MONTH | 01 | 12 |
| M B | 50 | 2 DATE DAY | 01 | 31 |
| N B | 52 | 2 DATE HR | 00 | 23 |
| N B | 54 | 2 DATE MIN | 00 | 59 |
| M B | 56 | 2 DATE YEAR | 65 | 94 |
| M B | 58 | 2 DATE MONTH | 01 | 12 |
| M B | 60 | 2 DATE DAY | 01 | 31 |
| N B | 62 | 2 DATE HR | 00 | 23 |
| N B | 64 | 2 DATE MIN | 00 | 59 |
| N B | 66 | 4 DEPTH M 1. | 000 | 6000 |
| N B | 70 | 2 DATE HR | 00 | 99 |
| N B | 72 | 2 DATE MIN | 00 | 99 |
| B B | 74 | 7 BLANK(S) | | |
| Z C | 11 | 5 STATION NUMBER | | |
| M C | 16 | 2 LAT DEG | 00 | 89 |
| M C | 18 | 2 LAT MIN | 00 | 59 |
| M C | 20 | 2 LAT SEC | 00 | 59 |
| C C | 22 | 1 0500 LAT HEMISPHERE | | |
| M C | 23 | 3 LON DEG | 000 | 179 |
| | 26 | 2 LON MIN | 00 | 59 |
| | 28 | 2 LON SEC | 00 | 59 |
| C C | 30 | 1 0501 LON HEMISPHERE | | |
| M C | 31 | 2 DATE YEAR | 65 | 94 |
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE CHECKI | |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE CHECKI | |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |

| | | | | | |
|-----|----|----|----------------------------------|-----------------|------|
| N D | 34 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 | DEPTH M .01 | 00000 | 9999 |
| | 47 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| | 52 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 | DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 | BLANK(S) | | |
| N D | 77 | 4 | SEQUENCE NUMBER | NO RANGE CHECKI | |
| Z E | 11 | 5 | STATION NUMBER | | |
| M E | 16 | 2 | LAT DEG | 00 | 89 |
| M E | 18 | 2 | LAT MIN | 00 | 59 |
| M E | 20 | 2 | LAT SEC | 00 | 59 |
| C E | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 | LON DEG | 000 | 179 |
| M E | 26 | 2 | LON MIN | 00 | 59 |
| M E | 28 | 2 | LON SEC | 00 | 59 |
| C E | 30 | 1 | 0501 LON HEMISPHERE | | |
| M E | 31 | 2 | DATE YEAR | 70 | 93 |
| M E | 33 | 2 | DATE MONTH | 01 | 12 |
| M E | 35 | 2 | DATE DAY | 01 | 31 |
| N E | 37 | 2 | DATE HR | 00 | 23 |
| N E | 39 | 2 | DATE MIN | 00 | 59 |
| N E | 41 | 3 | ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 | WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 | WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 | PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 | TEMPERATURE DEG C .1 | -500 | 0500 |
| | 61 | 4 | 0096 COMPASS DIRECTION | | |
| | 65 | 11 | BLANK(S) | | |
| | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z F | 11 | 5 | STATION NUMBER | | |
| M F | 16 | 2 | LAT DEG | 00 | 89 |
| M F | 18 | 2 | LAT MIN | 00 | 59 |
| M F | 20 | 2 | LAT SEC | 00 | 59 |
| C F | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 | LON DEG | 000 | 179 |
| M F | 26 | 2 | LON MIN | 00 | 59 |
| M F | 28 | 2 | LON SEC | 00 | 59 |
| C F | 30 | 1 | 0501 LON HEMISPHERE | | |
| M F | 31 | 2 | DATE YEAR | 70 | 93 |
| M F | 33 | 2 | DATE MONTH | 01 | 12 |
| M F | 35 | 2 | DATE DAY | 01 | 31 |
| N F | 37 | 2 | DATE HR | 00 | 23 |
| N F | 39 | 2 | DATE MIN | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | 0001 | 9999 |
| | 67 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| | 72 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 | STATION NUMBER | | |
| Z T | 16 | 61 | TEXT | | |

N T 77 4 SEQUENCE NUMBER 1.

0001

9999

RECORDS READ : 264

STATIONS FOUND 1

1794 156TW6040A33834SPAR R. KOZAK TOGA UNKNOWN 1979
 ??????

FILE ID HAS CHANGED

1795 156TW6040A33834SPAR R. KOZAK TOGA UNKNOWN 1979
 ??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER
 T R POS LEN NAME RANGE TESTED
 - - - - - LOW H

| | | | | | | |
|---|---|----|----|---------------------|-----|------|
| Z | A | 11 | 5 | STATION NUMBER | | |
| Z | A | 16 | 5 | TEXT | | |
| Z | A | 21 | 15 | TEXT | | |
| Z | A | 36 | 15 | TEXT | | |
| Z | A | 51 | 12 | TEXT | | |
| Z | A | 63 | 5 | TEXT | | |
| B | A | 68 | 13 | BLANK(S) | | |
| Z | B | 11 | 5 | STATION NUMBER | | |
| M | B | 16 | 2 | LAT DEG | 00 | 89 |
| M | B | 18 | 2 | LAT MIN | 00 | 59 |
| M | B | 20 | 2 | LAT SEC | 00 | 59 |
| C | B | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M | B | 23 | 3 | LON DEG | 000 | 179 |
| M | B | 26 | 2 | LON MIN | 00 | 59 |
| M | B | 28 | 2 | LON SEC | 00 | 59 |
| M | B | 30 | 1 | 0501 LON HEMISPHERE | | |
| M | B | 31 | 2 | LAT DEG | 00 | 89 |
| M | B | 33 | 2 | LAT MIN | 00 | 59 |
| M | B | 35 | 2 | LAT SEC | 00 | 59 |
| C | B | 37 | 1 | 0500 LAT HEMISPHERE | | |
| M | B | 38 | 3 | LON DEG | 000 | 179 |
| M | B | 41 | 2 | LON MIN | 00 | 59 |
| M | B | 43 | 2 | LON SEC | 00 | 59 |
| C | B | 45 | 1 | 0501 LON HEMISPHERE | | |
| M | B | 46 | 2 | DATE YEAR | 65 | 94 |
| M | B | 48 | 2 | DATE MONTH | 01 | 12 |
| M | B | 50 | 2 | DATE DAY | 01 | 31 |
| N | B | 52 | 2 | DATE HR | 00 | 23 |
| N | B | 54 | 2 | DATE MIN | 00 | 59 |
| M | B | 56 | 2 | DATE YEAR | 65 | 94 |
| M | B | 58 | 2 | DATE MONTH | 01 | 12 |
| M | B | 60 | 2 | DATE DAY | 01 | 31 |
| N | B | 62 | 2 | DATE HR | 00 | 23 |
| N | B | 64 | 2 | DATE MIN | 00 | 59 |
| N | B | 66 | 4 | DEPTH M 1. | 000 | 6000 |
| N | B | 70 | 2 | DATE HR | 00 | 99 |
| N | B | 72 | 2 | DATE MIN | 00 | 99 |
| B | B | 74 | 7 | BLANK(S) | | |
| Z | C | 11 | 5 | STATION NUMBER | | |
| | | 16 | 2 | LAT DEG | 00 | 89 |
| | | 18 | 2 | LAT MIN | 00 | 59 |
| M | C | 20 | 2 | LAT SEC | 00 | 59 |
| C | C | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M | C | 23 | 3 | LON DEG | 000 | 179 |
| M | C | 26 | 2 | LON MIN | 00 | 59 |

| | | | | |
|-----|----|-------------------------------|----------|--------|
| M C | 28 | 2 LON SEC | 00 | 59 |
| C C | 30 | 1 0501 LON HEMISPHERE | | |
| | 31 | 2 DATE YEAR | 65 | 94 |
| | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE | CHECKI |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE | CHECKI |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 BLANK(S) | | |
| N D | 77 | 4 SEQUENCE NUMBER | NO RANGE | CHECKI |
| Z E | 11 | 5 STATION NUMBER | | |
| M E | 16 | 2 LAT DEG | 00 | 89 |
| M E | 18 | 2 LAT MIN | 00 | 59 |
| M E | 20 | 2 LAT SEC | 00 | 59 |
| C E | 22 | 1 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 LON DEG | 000 | 179 |
| M E | 26 | 2 LON MIN | 00 | 59 |
| M E | 28 | 2 LON SEC | 00 | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | |
| M E | 31 | 2 DATE YEAR | 70 | 93 |
| M E | 33 | 2 DATE MONTH | 01 | 12 |
| M E | 35 | 2 DATE DAY | 01 | 31 |
| N E | 37 | 2 DATE HR | 00 | 23 |
| N E | 39 | 2 DATE MIN | 00 | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | 100 |
| | 44 | 3 WIND SPEED M/SEC .1 | 000 | 999 |
| | 47 | 4 WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 BLANK(S) | | |

| | | | | |
|-------------------|----|------------------------------------|------|------|
| C E | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| | 11 | 5 STATION NUMBER | | |
| | 16 | 2 LAT DEG | 00 | 89 |
| M F | 18 | 2 LAT MIN | 00 | 59 |
| M F | 20 | 2 LAT SEC | 00 | 59 |
| C F | 22 | 1 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 LON DEG | 000 | 179 |
| M F | 26 | 2 LON MIN | 00 | 59 |
| M F | 28 | 2 LON SEC | 00 | 59 |
| C F | 30 | 1 0501 LON HEMISPHERE | | |
| M F | 31 | 2 DATE YEAR | 70 | 93 |
| M F | 33 | 2 DATE MONTH | 01 | 12 |
| M F | 35 | 2 DATE DAY | 01 | 31 |
| N F | 37 | 2 DATE HR | 00 | 23 |
| N F | 39 | 2 DATE MIN | 00 | 59 |
| N F | 41 | 5 SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 STATION NUMBER | | |
| Z T | 16 | 61 TEXT | | |
| N F | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| RDS READ : 278 | | | | |
| SOLUTIONS FOUND 1 | | | | |

2072 156TW6041A33838SPAR R. KOZAK TOGA SA AGULHAS 17163

??????

FILE ID HAS CHANGED

2073 156TW6041A33838SPAR R. KOZAK TOGA SA AGULHAS 17163

??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER

| T | R | POS | LEN | NAME | RANGE TESTED |
|---|---|-----|-----|------|--------------|
| - | - | - | - | - | LOW H |

| | | | | | |
|-----|----|----|---------------------|-----|-----|
| Z A | 11 | 5 | STATION NUMBER | | |
| Z A | 16 | 5 | TEXT | | |
| Z A | 21 | 15 | TEXT | | |
| Z A | 36 | 15 | TEXT | | |
| Z A | 51 | 12 | TEXT | | |
| Z A | 63 | 5 | TEXT | | |
| B A | 68 | 13 | BLANK(S) | | |
| Z B | 11 | 5 | STATION NUMBER | | |
| M B | 16 | 2 | LAT DEG | 00 | 89 |
| M B | 18 | 2 | LAT MIN | 00 | 59 |
| | 20 | 2 | LAT SEC | 00 | 59 |
| | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M B | 23 | 3 | LON DEG | 000 | 179 |
| M B | 26 | 2 | LON MIN | 00 | 59 |
| M B | 28 | 2 | LON SEC | 00 | 59 |
| C B | 30 | 1 | 0501 LON HEMISPHERE | | |

| | | | | |
|-----|----|-------------------------------|----------|--------|
| M B | 31 | 2 LAT DEG | 00 | 89 |
| M B | 33 | 2 LAT MIN | 00 | 59 |
| M B | 35 | 2 LAT SEC | 00 | 59 |
| | 37 | 1 0500 LAT HEMISPHERE | | |
| | 38 | 3 LON DEG | 000 | 179 |
| M B | 41 | 2 LON MIN | 00 | 59 |
| M B | 43 | 2 LON SEC | 00 | 59 |
| C B | 45 | 1 0501 LON HEMISPHERE | | |
| M B | 46 | 2 DATE YEAR | 65 | 94 |
| M B | 48 | 2 DATE MONTH | 01 | 12 |
| M B | 50 | 2 DATE DAY | 01 | 31 |
| N B | 52 | 2 DATE HR | 00 | 23 |
| N B | 54 | 2 DATE MIN | 00 | 59 |
| M B | 56 | 2 DATE YEAR | 65 | 94 |
| M B | 58 | 2 DATE MONTH | 01 | 12 |
| M B | 60 | 2 DATE DAY | 01 | 31 |
| N B | 62 | 2 DATE HR | 00 | 23 |
| N B | 64 | 2 DATE MIN | 00 | 59 |
| N B | 66 | 4 DEPTH M 1. | 000 | 6000 |
| N B | 70 | 2 DATE HR | 00 | 99 |
| N B | 72 | 2 DATE MIN | 00 | 99 |
| B B | 74 | 7 BLANK(S) | | |
| Z C | 11 | 5 STATION NUMBER | | |
| M C | 16 | 2 LAT DEG | 00 | 89 |
| M C | 18 | 2 LAT MIN | 00 | 59 |
| M C | 20 | 2 LAT SEC | 00 | 59 |
| C C | 22 | 1 0500 LAT HEMISPHERE | | |
| M C | 23 | 3 LON DEG | 000 | 179 |
| M C | 26 | 2 LON MIN | 00 | 59 |
| M C | 28 | 2 LON SEC | 00 | 59 |
| | 30 | 1 0501 LON HEMISPHERE | | |
| M C | 31 | 2 DATE YEAR | 65 | 94 |
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE | CHECKI |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE | CHECKI |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |

| | | | | |
|-----|----|------------------------------------|-----------------|------|
| N D | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| | 55 | 5 DEPTH M .01 | 00000 | 9999 |
| | 60 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 BLANK(S) | | |
| N D | 77 | 4 SEQUENCE NUMBER | NO RANGE CHECKI | |
| Z E | 11 | 5 STATION NUMBER | | |
| M E | 16 | 2 LAT DEG | 00 | 89 |
| M E | 18 | 2 LAT MIN | 00 | 59 |
| M E | 20 | 2 LAT SEC | 00 | 59 |
| C E | 22 | 1 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 LON DEG | 000 | 179 |
| M E | 26 | 2 LON MIN | 00 | 59 |
| M E | 28 | 2 LON SEC | 00 | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | |
| M E | 31 | 2 DATE YEAR | 70 | 93 |
| M E | 33 | 2 DATE MONTH | 01 | 12 |
| M E | 35 | 2 DATE DAY | 01 | 31 |
| N E | 37 | 2 DATE HR | 00 | 23 |
| N E | 39 | 2 DATE MIN | 00 | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 BLANK(S) | | |
| C E | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z F | 11 | 5 STATION NUMBER | | |
| M F | 16 | 2 LAT DEG | 00 | 89 |
| M F | 18 | 2 LAT MIN | 00 | 59 |
| M F | 20 | 2 LAT SEC | 00 | 59 |
| C F | 22 | 1 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 LON DEG | 000 | 179 |
| M F | 26 | 2 LON MIN | 00 | 59 |
| M F | 28 | 2 LON SEC | 00 | 59 |
| C F | 30 | 1 0501 LON HEMISPHERE | | |
| M F | 31 | 2 DATE YEAR | 70 | 93 |
| M F | 33 | 2 DATE MONTH | 01 | 12 |
| M F | 35 | 2 DATE DAY | 01 | 31 |
| N F | 37 | 2 DATE HR | 00 | 23 |
| N F | 39 | 2 DATE MIN | 00 | 59 |
| N F | 41 | 5 SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 STATION NUMBER | | |
| Z T | 16 | 61 TEXT | | |
| N T | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |

RECORDS READ : 283

STATIONS FOUND 1

55 156TW6042A33839SPAR R. KOZAK TOGA SA AGULHAS 17164

??????

FILE ID HAS CHANGED

2356 156TW6042A33839SPAR R. KOZAK TOGA SA AGULHAS 17164

??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER

T R POS LEN NAME

RANGE TESTED

-- -- -- --

LOW H

Z A 11 5 STATION NUMBER

Z A 16 5 TEXT

Z A 21 15 TEXT

Z A 36 15 TEXT

Z A 51 12 TEXT

Z A 63 5 TEXT

B A 68 13 BLANK(S)

Z B 11 5 STATION NUMBER

M B 16 2 LAT DEG

00 89

M B 18 2 LAT MIN

00 59

M B 20 2 LAT SEC

00 59

C B 22 1 0500 LAT HEMISPHERE

M B 23 3 LON DEG

000 179

M B 26 2 LON MIN

00 59

M B 28 2 LON SEC

00 59

C B 30 1 0501 LON HEMISPHERE

M B 31 2 LAT DEG

00 89

M B 33 2 LAT MIN

00 59

M B 35 2 LAT SEC

00 59

C B 37 1 0500 LAT HEMISPHERE

M B 38 3 LON DEG

000 179

M B 41 2 LON MIN

00 59

M B 43 2 LON SEC

00 59

C B 45 1 0501 LON HEMISPHERE

M B 46 2 DATE YEAR

65 94

M B 48 2 DATE MONTH

01 12

M B 50 2 DATE DAY

01 31

N B 52 2 DATE HR

00 23

N B 54 2 DATE MIN

00 59

M B 56 2 DATE YEAR

65 94

M B 58 2 DATE MONTH

01 12

M B 60 2 DATE DAY

01 31

N B 62 2 DATE HR

00 23

N B 64 2 DATE MIN

00 59

N B 66 4 DEPTH M 1.

000 6000

N B 70 2 DATE HR

00 99

N B 72 2 DATE MIN

00 99

B B 74 7 BLANK(S)

Z C 11 5 STATION NUMBER

M C 16 2 LAT DEG

00 89

M C 18 2 LAT MIN

00 59

M C 20 2 LAT SEC

00 59

M C 22 1 0500 LAT HEMISPHERE

M C 23 3 LON DEG

000 179

M C 26 2 LON MIN

00 59

M C 28 2 LON SEC

00 59

C C 30 1 0501 LON HEMISPHERE

| | | | | |
|-----|----|------------------------------------|-----------------|------|
| M C | 31 | 2 DATE YEAR | 65 | 94 |
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| | 35 | 2 DATE DAY | 01 | 31 |
| | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE CHECKI | |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE CHECKI | |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 BLANK(S) | | |
| N D | 77 | 4 SEQUENCE NUMBER | NO RANGE CHECKI | |
| Z E | 11 | 5 STATION NUMBER | | |
| M E | 16 | 2 LAT DEG | 00 | 89 |
| M E | 18 | 2 LAT MIN | 00 | 59 |
| M E | 20 | 2 LAT SEC | 00 | 59 |
| C E | 22 | 1 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 LON DEG | 000 | 179 |
| M E | 26 | 2 LON MIN | 00 | 59 |
| M E | 28 | 2 LON SEC | 00 | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | |
| M E | 31 | 2 DATE YEAR | 70 | 93 |
| M E | 33 | 2 DATE MONTH | 01 | 12 |
| M E | 35 | 2 DATE DAY | 01 | 31 |
| N E | 37 | 2 DATE HR | 00 | 23 |
| N E | 39 | 2 DATE MIN | 00 | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 WIND DIRECTION DEG .1 | 0000 | 3599 |
| | 51 | 6 PRESSURE MB .01 | 089000 | 1080 |
| | 57 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 BLANK(S) | | |
| C E | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |

| | | | | | |
|----------------|----|----|----------------------------------|------|------|
| Z F | 11 | 5 | STATION NUMBER | | |
| M F | 16 | 2 | LAT DEG | 00 | 89 |
| | 18 | 2 | LAT MIN | 00 | 59 |
| | 20 | 2 | LAT SEC | 00 | 59 |
| C F | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 | LON DEG | 000 | 179 |
| M F | 26 | 2 | LON MIN | 00 | 59 |
| M F | 28 | 2 | LON SEC | 00 | 59 |
| C F | 30 | 1 | 0501 LON HEMISPHERE | | |
| M F | 31 | 2 | DATE YEAR | 70 | 93 |
| M F | 33 | 2 | DATE MONTH | 01 | 12 |
| M F | 35 | 2 | DATE DAY | 01 | 31 |
| N F | 37 | 2 | DATE HR | 00 | 23 |
| N F | 39 | 2 | DATE MIN | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 | STATION NUMBER | | |
| Z T | 16 | 61 | TEXT | | |
| N T | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| RECORDS READ : | | | 306 | | |
| STATIONS FOUND | | | 1 | | |

 2661 156TW6043A33840SPAR R. KOZAK TOGA SA AGULHAS 17165
 ??????

FILE ID HAS CHANGED

 2662 156TW6043A33840SPAR R. KOZAK TOGA SA AGULHAS 17165
 ??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER
 T R POS LEN NAME RANGE TESTED
 - - - - - - - - - - LOW H

| | | | | | |
|-----|----|----|---------------------|-----|-----|
| Z A | 11 | 5 | STATION NUMBER | | |
| Z A | 16 | 5 | TEXT | | |
| Z A | 21 | 15 | TEXT | | |
| Z A | 36 | 15 | TEXT | | |
| Z A | 51 | 12 | TEXT | | |
| Z A | 63 | 5 | TEXT | | |
| B A | 68 | 13 | BLANK(S) | | |
| Z B | 11 | 5 | STATION NUMBER | | |
| M B | 16 | 2 | LAT DEG | 00 | 89 |
| M B | 18 | 2 | LAT MIN | 00 | 59 |
| M B | 20 | 2 | LAT SEC | 00 | 59 |
| C B | 22 | 1 | 0500 LAT HEMISPHERE | | |
| | 23 | 3 | LON DEG | 000 | 179 |
| | 26 | 2 | LON MIN | 00 | 59 |
| M B | 28 | 2 | LON SEC | 00 | 59 |
| C B | 30 | 1 | 0501 LON HEMISPHERE | | |
| M B | 31 | 2 | LAT DEG | 00 | 89 |
| M B | 33 | 2 | LAT MIN | 00 | 59 |

| | | | | |
|-----|----|-------------------------------|-----------------|------|
| M B | 35 | 2 LAT SEC | 00 | 59 |
| C B | 37 | 1 0500 LAT HEMISPHERE | | |
| M B | 38 | 3 LON DEG | 000 | 179 |
| | 41 | 2 LON MIN | 00 | 59 |
| | 43 | 2 LON SEC | 00 | 59 |
| C B | 45 | 1 0501 LON HEMISPHERE | | |
| M B | 46 | 2 DATE YEAR | 65 | 94 |
| M B | 48 | 2 DATE MONTH | 01 | 12 |
| M B | 50 | 2 DATE DAY | 01 | 31 |
| N B | 52 | 2 DATE HR | 00 | 23 |
| N B | 54 | 2 DATE MIN | 00 | 59 |
| M B | 56 | 2 DATE YEAR | 65 | 94 |
| M B | 58 | 2 DATE MONTH | 01 | 12 |
| M B | 60 | 2 DATE DAY | 01 | 31 |
| N B | 62 | 2 DATE HR | 00 | 23 |
| N B | 64 | 2 DATE MIN | 00 | 59 |
| N B | 66 | 4 DEPTH M 1. | 000 | 6000 |
| N B | 70 | 2 DATE HR | 00 | 99 |
| N B | 72 | 2 DATE MIN | 00 | 99 |
| B B | 74 | 7 BLANK(S) | | |
| Z C | 11 | 5 STATION NUMBER | | |
| M C | 16 | 2 LAT DEG | 00 | 89 |
| M C | 18 | 2 LAT MIN | 00 | 59 |
| M C | 20 | 2 LAT SEC | 00 | 59 |
| C C | 22 | 1 0500 LAT HEMISPHERE | | |
| M C | 23 | 3 LON DEG | 000 | 179 |
| M C | 26 | 2 LON MIN | 00 | 59 |
| M C | 28 | 2 LON SEC | 00 | 59 |
| C C | 30 | 1 0501 LON HEMISPHERE | | |
| | 31 | 2 DATE YEAR | 65 | 94 |
| | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE CHECKI | |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE CHECKI | |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |

| | | | | | |
|-----|----|----|----------------------------------|----------|--------|
| N D | 52 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 | DEPTH M .01 | 00000 | 9999 |
| N | 60 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| | 65 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 | BLANK(S) | | |
| N D | 77 | 4 | SEQUENCE NUMBER | NO RANGE | CHECKI |
| Z E | 11 | 5 | STATION NUMBER | | |
| M E | 16 | 2 | LAT DEG | 00 | 89 |
| M E | 18 | 2 | LAT MIN | 00 | 59 |
| M E | 20 | 2 | LAT SEC | 00 | 59 |
| C E | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 | LON DEG | 000 | 179 |
| M E | 26 | 2 | LON MIN | 00 | 59 |
| M E | 28 | 2 | LON SEC | 00 | 59 |
| C E | 30 | 1 | 0501 LON HEMISPHERE | | |
| M E | 31 | 2 | DATE YEAR | 70 | 93 |
| M E | 33 | 2 | DATE MONTH | 01 | 12 |
| M E | 35 | 2 | DATE DAY | 01 | 31 |
| N E | 37 | 2 | DATE HR | 00 | 23 |
| N E | 39 | 2 | DATE MIN | 00 | 59 |
| N E | 41 | 3 | ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 | WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 | WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 | PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 | TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 | 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 | BLANK(S) | | |
| C E | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| | 11 | 5 | STATION NUMBER | | |
| M F | 16 | 2 | LAT DEG | 00 | 89 |
| M F | 18 | 2 | LAT MIN | 00 | 59 |
| M F | 20 | 2 | LAT SEC | 00 | 59 |
| C F | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 | LON DEG | 000 | 179 |
| M F | 26 | 2 | LON MIN | 00 | 59 |
| M F | 28 | 2 | LON SEC | 00 | 59 |
| C F | 30 | 1 | 0501 LON HEMISPHERE | | |
| M F | 31 | 2 | DATE YEAR | 70 | 93 |
| M F | 33 | 2 | DATE MONTH | 01 | 12 |
| M F | 35 | 2 | DATE DAY | 01 | 31 |
| N F | 37 | 2 | DATE HR | 00 | 23 |
| N F | 39 | 2 | DATE MIN | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| | 11 | 5 | STATION NUMBER | | |
| Z F | 16 | 61 | TEXT | | |
| N T | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |

RECORDS READ : 317
 STATIONS FOUND 1

2978 156TW6044A33841SPAR R. KOZAK TOGA SA AGULHAS 17166

??????

FILE ID HAS CHANGED

2979 156TW6044A33841SPAR R. KOZAK TOGA SA AGULHAS 17166

??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER

T R POS LEN NAME RANGE TESTED
LOW H

| | | | | | | |
|---|---|----|----|---------------------|-----|------|
| Z | A | 11 | 5 | STATION NUMBER | | |
| Z | A | 16 | 5 | TEXT | | |
| Z | A | 21 | 15 | TEXT | | |
| Z | A | 36 | 15 | TEXT | | |
| Z | A | 51 | 12 | TEXT | | |
| Z | A | 63 | 5 | TEXT | | |
| B | A | 68 | 13 | BLANK(S) | | |
| Z | B | 11 | 5 | STATION NUMBER | | |
| M | B | 16 | 2 | LAT DEG | 00 | 89 |
| M | B | 18 | 2 | LAT MIN | 00 | 59 |
| M | B | 20 | 2 | LAT SEC | 00 | 59 |
| C | B | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M | B | 23 | 3 | LON DEG | 000 | 179 |
| M | B | 26 | 2 | LON MIN | 00 | 59 |
| M | B | 28 | 2 | LON SEC | 00 | 59 |
| C | B | 30 | 1 | 0501 LON HEMISPHERE | | |
| M | B | 31 | 2 | LAT DEG | 00 | 89 |
| M | B | 33 | 2 | LAT MIN | 00 | 59 |
| M | B | 35 | 2 | LAT SEC | 00 | 59 |
| C | B | 37 | 1 | 0500 LAT HEMISPHERE | | |
| M | B | 38 | 3 | LON DEG | 000 | 179 |
| M | B | 41 | 2 | LON MIN | 00 | 59 |
| M | B | 43 | 2 | LON SEC | 00 | 59 |
| C | B | 45 | 1 | 0501 LON HEMISPHERE | | |
| M | B | 46 | 2 | DATE YEAR | 65 | 94 |
| M | B | 48 | 2 | DATE MONTH | 01 | 12 |
| M | B | 50 | 2 | DATE DAY | 01 | 31 |
| N | B | 52 | 2 | DATE HR | 00 | 23 |
| N | B | 54 | 2 | DATE MIN | 00 | 59 |
| M | B | 56 | 2 | DATE YEAR | 65 | 94 |
| M | B | 58 | 2 | DATE MONTH | 01 | 12 |
| M | B | 60 | 2 | DATE DAY | 01 | 31 |
| N | B | 62 | 2 | DATE HR | 00 | 23 |
| N | B | 64 | 2 | DATE MIN | 00 | 59 |
| N | B | 66 | 4 | DEPTH M 1. | 000 | 6000 |
| N | B | 70 | 2 | DATE HR | 00 | 99 |
| N | B | 72 | 2 | DATE MIN | 00 | 99 |
| B | B | 74 | 7 | BLANK(S) | | |
| Z | C | 11 | 5 | STATION NUMBER | | |
| M | C | 16 | 2 | LAT DEG | 00 | 89 |
| M | C | 18 | 2 | LAT MIN | 00 | 59 |
| M | C | 20 | 2 | LAT SEC | 00 | 59 |
| C | C | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M | C | 23 | 3 | LON DEG | 000 | 179 |
| M | C | 26 | 2 | LON MIN | 00 | 59 |
| M | C | 28 | 2 | LON SEC | 00 | 59 |
| C | C | 30 | 1 | 0501 LON HEMISPHERE | | |
| M | C | 31 | 2 | DATE YEAR | 65 | 94 |

| | | | | |
|-----|----|------------------------------------|----------|--------|
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| M C | 37 | 2 DATE HR | 00 | 23 |
| M C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE | CHECKI |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE | CHECKI |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 BLANK(S) | | |
| N D | 77 | 4 SEQUENCE NUMBER | NO RANGE | CHECKI |
| Z E | 11 | 5 STATION NUMBER | | |
| M E | 16 | 2 LAT DEG | 00 | 89 |
| M E | 18 | 2 LAT MIN | 00 | 59 |
| M E | 20 | 2 LAT SEC | 00 | 59 |
| C E | 22 | 1 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 LON DEG | 000 | 179 |
| M E | 26 | 2 LON MIN | 00 | 59 |
| M E | 28 | 2 LON SEC | 00 | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | |
| M E | 31 | 2 DATE YEAR | 70 | 93 |
| M E | 33 | 2 DATE MONTH | 01 | 12 |
| M E | 35 | 2 DATE DAY | 01 | 31 |
| N E | 37 | 2 DATE HR | 00 | 23 |
| N E | 39 | 2 DATE MIN | 00 | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| N E | 61 | 4 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 BLANK(S) | | |
| C E | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z F | 11 | 5 STATION NUMBER | | |

| | | | | | |
|----------------|----|----|----------------------------------|------|------|
| M F | 16 | 2 | LAT DEG | 00 | 89 |
| M F | 18 | 2 | LAT MIN | 00 | 59 |
| M F | 20 | 2 | LAT SEC | 00 | 59 |
| M F | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 | LON DEG | 000 | 179 |
| M F | 26 | 2 | LON MIN | 00 | 59 |
| M F | 28 | 2 | LON SEC | 00 | 59 |
| C F | 30 | 1 | 0501 LON HEMISPHERE | | |
| M F | 31 | 2 | DATE YEAR | 70 | 93 |
| M F | 33 | 2 | DATE MONTH | 01 | 12 |
| M F | 35 | 2 | DATE DAY | 01 | 31 |
| N F | 37 | 2 | DATE HR | 00 | 23 |
| N F | 39 | 2 | DATE MIN | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 | STATION NUMBER | | |
| Z T | 16 | 61 | TEXT | | |
| N T | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| RECORDS READ : | | | | 301 | |
| STATIONS FOUND | | | | 1 | |

279 156TW6045A33842SPAR R. KOZAK TOGA SA AGULHAS 17167
 ??????

FILE ID HAS CHANGED

3280 156TW6045A33842SPAR R. KOZAK TOGA SA AGULHAS 17167
 ??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER
 T R POS LEN NAME RANGE TESTED
 - - - - - LOW H

| | | | | | |
|-----|----|----|---------------------|-----|-----|
| Z A | 11 | 5 | STATION NUMBER | | |
| Z A | 16 | 5 | TEXT | | |
| Z A | 21 | 15 | TEXT | | |
| Z A | 36 | 15 | TEXT | | |
| Z A | 51 | 12 | TEXT | | |
| Z A | 63 | 5 | TEXT | | |
| B A | 68 | 13 | BLANK(S) | | |
| Z B | 11 | 5 | STATION NUMBER | | |
| M B | 16 | 2 | LAT DEG | 00 | 89 |
| M B | 18 | 2 | LAT MIN | 00 | 59 |
| M B | 20 | 2 | LAT SEC | 00 | 59 |
| C B | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M B | 23 | 3 | LON DEG | 000 | 179 |
| M B | 26 | 2 | LON MIN | 00 | 59 |
| M B | 28 | 2 | LON SEC | 00 | 59 |
| C B | 30 | 1 | 0501 LON HEMISPHERE | | |
| M B | 31 | 2 | LAT DEG | 00 | 89 |
| M B | 33 | 2 | LAT MIN | 00 | 59 |
| M B | 35 | 2 | LAT SEC | 00 | 59 |
| C B | 37 | 1 | 0500 LAT HEMISPHERE | | |

| | | | | |
|-----|----|-------------------------------|----------|--------|
| M B | 38 | 3 LON DEG | 000 | 179 |
| M B | 41 | 2 LON MIN | 00 | 59 |
| M B | 43 | 2 LON SEC | 00 | 59 |
| M B | 45 | 1 0501 LON HEMISPHERE | | |
| M B | 46 | 2 DATE YEAR | 65 | 94 |
| M B | 48 | 2 DATE MONTH | 01 | 12 |
| M B | 50 | 2 DATE DAY | 01 | 31 |
| N B | 52 | 2 DATE HR | 00 | 23 |
| N B | 54 | 2 DATE MIN | 00 | 59 |
| M B | 56 | 2 DATE YEAR | 65 | 94 |
| M B | 58 | 2 DATE MONTH | 01 | 12 |
| M B | 60 | 2 DATE DAY | 01 | 31 |
| N B | 62 | 2 DATE HR | 00 | 23 |
| N B | 64 | 2 DATE MIN | 00 | 59 |
| N B | 66 | 4 DEPTH M 1. | 000 | 6000 |
| N B | 70 | 2 DATE HR | 00 | 99 |
| N B | 72 | 2 DATE MIN | 00 | 99 |
| B B | 74 | 7 BLANK(S) | | |
| Z C | 11 | 5 STATION NUMBER | | |
| M C | 16 | 2 LAT DEG | 00 | 89 |
| M C | 18 | 2 LAT MIN | 00 | 59 |
| M C | 20 | 2 LAT SEC | 00 | 59 |
| C C | 22 | 1 0500 LAT HEMISPHERE | | |
| M C | 23 | 3 LON DEG | 000 | 179 |
| M C | 26 | 2 LON MIN | 00 | 59 |
| M C | 28 | 2 LON SEC | 00 | 59 |
| C C | 30 | 1 0501 LON HEMISPHERE | | |
| M C | 31 | 2 DATE YEAR | 65 | 94 |
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE | CHECKI |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE | CHECKI |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | 9999 |

| | | | | | |
|-----|----|----|----------------------------------|-----------------|------|
| N D | 60 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| | 76 | 9 | BLANK(S) | | |
| | 77 | 4 | SEQUENCE NUMBER | NO RANGE CHECKI | |
| Z E | 11 | 5 | STATION NUMBER | | |
| M E | 16 | 2 | LAT DEG | 00 | 89 |
| M E | 18 | 2 | LAT MIN | 00 | 59 |
| M E | 20 | 2 | LAT SEC | 00 | 59 |
| C E | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 | LON DEG | 000 | 179 |
| M E | 26 | 2 | LON MIN | 00 | 59 |
| M E | 28 | 2 | LON SEC | 00 | 59 |
| C E | 30 | 1 | 0501 LON HEMISPHERE | | |
| M E | 31 | 2 | DATE YEAR | 70 | 93 |
| M E | 33 | 2 | DATE MONTH | 01 | 12 |
| M E | 35 | 2 | DATE DAY | 01 | 31 |
| N E | 37 | 2 | DATE HR | 00 | 23 |
| N E | 39 | 2 | DATE MIN | 00 | 59 |
| N E | 41 | 3 | ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 | WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 | WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 | PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 | TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 | 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 | BLANK(S) | | |
| C E | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |

| | | | | | |
|-----|----|----|----------------------------------|------|------|
| Z F | 11 | 5 | STATION NUMBER | | |
| | 16 | 2 | LAT DEG | 00 | 89 |
| | 18 | 2 | LAT MIN | 00 | 59 |
| M F | 20 | 2 | LAT SEC | 00 | 59 |
| C F | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 | LON DEG | 000 | 179 |
| M F | 26 | 2 | LON MIN | 00 | 59 |
| M F | 28 | 2 | LON SEC | 00 | 59 |
| C F | 30 | 1 | 0501 LON HEMISPHERE | | |
| M F | 31 | 2 | DATE YEAR | 70 | 93 |
| M F | 33 | 2 | DATE MONTH | 01 | 12 |
| M F | 35 | 2 | DATE DAY | 01 | 31 |
| N F | 37 | 2 | DATE HR | 00 | 23 |
| N F | 39 | 2 | DATE MIN | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 | STATION NUMBER | | |
| | 16 | 61 | TEXT | | |
| | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |

RECORDS READ : 340
STATIONS FOUND 1

??????

FILE ID HAS CHANGED

20 156TW6046A53823SPAR R. KOZAK

TOGA

MVCESSNOCK 5131

?????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER

T R POS LEN NAME RANGE TESTED
- - - - - LOW H

| | | | | | | |
|---|---|----|----|---------------------|-----|------|
| Z | A | 11 | 5 | STATION NUMBER | | |
| Z | A | 16 | 5 | TEXT | | |
| Z | A | 21 | 15 | TEXT | | |
| Z | A | 36 | 15 | TEXT | | |
| Z | A | 51 | 12 | TEXT | | |
| Z | A | 63 | 5 | TEXT | | |
| B | A | 68 | 13 | BLANK(S) | | |
| Z | B | 11 | 5 | STATION NUMBER | | |
| M | B | 16 | 2 | LAT DEG | 00 | 89 |
| M | B | 18 | 2 | LAT MIN | 00 | 59 |
| M | B | 20 | 2 | LAT SEC | 00 | 59 |
| C | B | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M | B | 23 | 3 | LON DEG | 000 | 179 |
| M | B | 26 | 2 | LON MIN | 00 | 59 |
| M | B | 28 | 2 | LON SEC | 00 | 59 |
| C | B | 30 | 1 | 0501 LON HEMISPHERE | | |
| M | B | 31 | 2 | LAT DEG | 00 | 89 |
| M | B | 33 | 2 | LAT MIN | 00 | 59 |
| M | B | 35 | 2 | LAT SEC | 00 | 59 |
| C | B | 37 | 1 | 0500 LAT HEMISPHERE | | |
| | | 38 | 3 | LON DEG | 000 | 179 |
| | | 41 | 2 | LON MIN | 00 | 59 |
| M | B | 43 | 2 | LON SEC | 00 | 59 |
| C | B | 45 | 1 | 0501 LON HEMISPHERE | | |
| M | B | 46 | 2 | DATE YEAR | 65 | 94 |
| M | B | 48 | 2 | DATE MONTH | 01 | 12 |
| M | B | 50 | 2 | DATE DAY | 01 | 31 |
| N | B | 52 | 2 | DATE HR | 00 | 23 |
| N | B | 54 | 2 | DATE MIN | 00 | 59 |
| M | B | 56 | 2 | DATE YEAR | 65 | 94 |
| M | B | 58 | 2 | DATE MONTH | 01 | 12 |
| M | B | 60 | 2 | DATE DAY | 01 | 31 |
| N | B | 62 | 2 | DATE HR | 00 | 23 |
| N | B | 64 | 2 | DATE MIN | 00 | 59 |
| N | B | 66 | 4 | DEPTH M 1. | 000 | 6000 |
| N | B | 70 | 2 | DATE HR | 00 | 99 |
| N | B | 72 | 2 | DATE MIN | 00 | 99 |
| B | B | 74 | 7 | BLANK(S) | | |
| Z | C | 11 | 5 | STATION NUMBER | | |
| M | C | 16 | 2 | LAT DEG | 00 | 89 |
| M | C | 18 | 2 | LAT MIN | 00 | 59 |
| M | C | 20 | 2 | LAT SEC | 00 | 59 |
| C | C | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M | C | 23 | 3 | LON DEG | 000 | 179 |
| M | C | 26 | 2 | LON MIN | 00 | 59 |
| | | 28 | 2 | LON SEC | 00 | 59 |
| C | C | 30 | 1 | 0501 LON HEMISPHERE | | |
| M | C | 31 | 2 | DATE YEAR | 65 | 94 |
| M | C | 33 | 2 | DATE MONTH | 01 | 12 |
| M | C | 35 | 2 | DATE DAY | 01 | 31 |

| | | | | |
|-----|----|------------------------------------|----------|--------|
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE | CHECKI |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE | CHECKI |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 BLANK(S) | | |
| N D | 77 | 4 SEQUENCE NUMBER | NO RANGE | CHECKI |
| Z E | 11 | 5 STATION NUMBER | | |
| M E | 16 | 2 LAT DEG | 00 | 89 |
| M E | 18 | 2 LAT MIN | 00 | 59 |
| M E | 20 | 2 LAT SEC | 00 | 59 |
| C E | 22 | 1 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 LON DEG | 000 | 179 |
| M E | 26 | 2 LON MIN | 00 | 59 |
| M E | 28 | 2 LON SEC | 00 | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | |
| M E | 31 | 2 DATE YEAR | 70 | 93 |
| M E | 33 | 2 DATE MONTH | 01 | 12 |
| M E | 35 | 2 DATE DAY | 01 | 31 |
| N E | 37 | 2 DATE HR | 00 | 23 |
| N E | 39 | 2 DATE MIN | 00 | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 BLANK(S) | | |
| N E | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z F | 11 | 5 STATION NUMBER | | |
| M F | 16 | 2 LAT DEG | 00 | 89 |
| M F | 18 | 2 LAT MIN | 00 | 59 |

| | | | | | | |
|----------------|----|----|----------------------------------|-----|------|------|
| M F | 20 | 2 | LAT SEC | | 00 | 59 |
| C F | 22 | 1 | 0500 LAT HEMISPHERE | | | |
| | 23 | 3 | LON DEG | | 000 | 179 |
| | 26 | 2 | LON MIN | | 00 | 59 |
| M F | 28 | 2 | LON SEC | | 00 | 59 |
| C F | 30 | 1 | 0501 LON HEMISPHERE | | | |
| M F | 31 | 2 | DATE YEAR | | 70 | 93 |
| M F | 33 | 2 | DATE MONTH | | 01 | 12 |
| M F | 35 | 2 | DATE DAY | | 01 | 31 |
| N F | 37 | 2 | DATE HR | | 00 | 23 |
| N F | 39 | 2 | DATE MIN | | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | | 0001 | 9999 |
| N F | 54 | 5 | CURRENT SPEED CM/SEC .1 | | 0000 | 2000 |
| N F | 59 | 4 | CURRENT DIRECTION DEG .1 | | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | | 0001 | 9999 |
| N F | 67 | 5 | CURRENT SPEED CM/SEC .1 | | 0000 | 2000 |
| N F | 72 | 4 | CURRENT DIRECTION DEG .1 | | 0000 | 3599 |
| C F | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | | |
| N F | 77 | 4 | SEQUENCE NUMBER 1. | | 0001 | 9999 |
| Z T | 11 | 5 | STATION NUMBER | | | |
| Z T | 16 | 61 | TEXT | | | |
| N T | 77 | 4 | SEQUENCE NUMBER 1. | | 0001 | 9999 |
| RECORDS READ : | | | | 215 | | |
| STATIONS FOUND | | | | 1 | | |

 3834 156TW6047A53824SPAR R. KOZAK TOGA HMAS GEELONG1989
 ??????

FILE ID HAS CHANGED

 3835 156TW6047A53824SPAR R. KOZAK TOGA HMAS GEELONG1989
 ??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER
 T R POS LEN NAME RANGE TESTED
 - - - - - - - - - - LOW H

| | | | | | | |
|-----|----|----|---------------------|--|-----|-----|
| Z A | 11 | 5 | STATION NUMBER | | | |
| Z A | 16 | 5 | TEXT | | | |
| Z A | 21 | 15 | TEXT | | | |
| Z A | 36 | 15 | TEXT | | | |
| Z A | 51 | 12 | TEXT | | | |
| Z A | 63 | 5 | TEXT | | | |
| B A | 68 | 13 | BLANK(S) | | | |
| Z B | 11 | 5 | STATION NUMBER | | | |
| M B | 16 | 2 | LAT DEG | | 00 | 89 |
| M B | 18 | 2 | LAT MIN | | 00 | 59 |
| M B | 20 | 2 | LAT SEC | | 00 | 59 |
| C B | 22 | 1 | 0500 LAT HEMISPHERE | | | |
| M B | 23 | 3 | LON DEG | | 000 | 179 |
| M B | 26 | 2 | LON MIN | | 00 | 59 |
| M B | 28 | 2 | LON SEC | | 00 | 59 |
| | 30 | 1 | 0501 LON HEMISPHERE | | | |
| | 31 | 2 | LAT DEG | | 00 | 89 |
| M B | 33 | 2 | LAT MIN | | 00 | 59 |
| M B | 35 | 2 | LAT SEC | | 00 | 59 |
| C B | 37 | 1 | 0500 LAT HEMISPHERE | | | |
| M B | 38 | 3 | LON DEG | | 000 | 179 |
| M B | 41 | 2 | LON MIN | | 00 | 59 |

| | | | | |
|-----|----|-------------------------------|-----------------|------|
| M B | 43 | 2 LON SEC | 00 | 59 |
| C B | 45 | 1 0501 LON HEMISPHERE | | |
| | 46 | 2 DATE YEAR | 65 | 94 |
| | 48 | 2 DATE MONTH | 01 | 12 |
| M B | 50 | 2 DATE DAY | 01 | 31 |
| N B | 52 | 2 DATE HR | 00 | 23 |
| N B | 54 | 2 DATE MIN | 00 | 59 |
| M B | 56 | 2 DATE YEAR | 65 | 94 |
| M B | 58 | 2 DATE MONTH | 01 | 12 |
| M B | 60 | 2 DATE DAY | 01 | 31 |
| N B | 62 | 2 DATE HR | 00 | 23 |
| N B | 64 | 2 DATE MIN | 00 | 59 |
| N B | 66 | 4 DEPTH M 1. | 000 | 6000 |
| N B | 70 | 2 DATE HR | 00 | 99 |
| N B | 72 | 2 DATE MIN | 00 | 99 |
| B B | 74 | 7 BLANK(S) | | |
| Z C | 11 | 5 STATION NUMBER | | |
| M C | 16 | 2 LAT DEG | 00 | 89 |
| M C | 18 | 2 LAT MIN | 00 | 59 |
| M C | 20 | 2 LAT SEC | 00 | 59 |
| C C | 22 | 1 0500 LAT HEMISPHERE | | |
| M C | 23 | 3 LON DEG | 000 | 179 |
| M C | 26 | 2 LON MIN | 00 | 59 |
| M C | 28 | 2 LON SEC | 00 | 59 |
| C C | 30 | 1 0501 LON HEMISPHERE | | |
| M C | 31 | 2 DATE YEAR | 65 | 94 |
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| | 37 | 2 DATE HR | 00 | 23 |
| | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE CHECKI | |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE CHECKI | |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | 300 |

| | | | NO | RANGE | CHECKI |
|-----|----|------------------------------------|--------|-------|--------|
| Z D | 68 | 9 BLANK(S) | | | |
| N D | 77 | 4 SEQUENCE NUMBER | | | |
| | 11 | 5 STATION NUMBER | | | |
| | 16 | 2 LAT DEG | 00 | | 89 |
| M E | 18 | 2 LAT MIN | 00 | | 59 |
| M E | 20 | 2 LAT SEC | 00 | | 59 |
| C E | 22 | 1 0500 LAT HEMISPHERE | | | |
| M E | 23 | 3 LON DEG | 000 | | 179 |
| M E | 26 | 2 LON MIN | 00 | | 59 |
| M E | 28 | 2 LON SEC | 00 | | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | | |
| M E | 31 | 2 DATE YEAR | 70 | | 93 |
| M E | 33 | 2 DATE MONTH | 01 | | 12 |
| M E | 35 | 2 DATE DAY | 01 | | 31 |
| N E | 37 | 2 DATE HR | 00 | | 23 |
| N E | 39 | 2 DATE MIN | 00 | | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | | 100 |
| N E | 44 | 3 WIND SPEED M/SEC .1 | 000 | | 999 |
| N E | 47 | 4 WIND DIRECTION DEG .1 | 0000 | | 3599 |
| N E | 51 | 6 PRESSURE MB .01 | 089000 | | 1080 |
| N E | 57 | 4 TEMPERATURE DEG C .1 | -500 | | 0500 |
| C E | 61 | 4 0096 COMPASS DIRECTION | | | |
| B E | 65 | 11 BLANK(S) | | | |
| C E | 76 | 1 0503 POSITION DETERMINATION FLAG | | | |
| N E | 77 | 4 SEQUENCE NUMBER 1. | 0001 | | 9999 |

| | | | | | |
|-----|----|------------------------------------|------|--|------|
| Z F | 11 | 5 STATION NUMBER | | | |
| M F | 16 | 2 LAT DEG | 00 | | 89 |
| M F | 18 | 2 LAT MIN | 00 | | 59 |
| | 20 | 2 LAT SEC | 00 | | 59 |
| | 22 | 1 0500 LAT HEMISPHERE | | | |
| M F | 23 | 3 LON DEG | 000 | | 179 |
| M F | 26 | 2 LON MIN | 00 | | 59 |
| M F | 28 | 2 LON SEC | 00 | | 59 |
| C F | 30 | 1 0501 LON HEMISPHERE | | | |
| M F | 31 | 2 DATE YEAR | 70 | | 93 |
| M F | 33 | 2 DATE MONTH | 01 | | 12 |
| M F | 35 | 2 DATE DAY | 01 | | 31 |
| N F | 37 | 2 DATE HR | 00 | | 23 |
| N F | 39 | 2 DATE MIN | 00 | | 59 |
| N F | 41 | 5 SPEED PLATFORM CM/SEC .1 | 0000 | | 2000 |
| N F | 46 | 4 DIRECTION DEG .1 | 0000 | | 3599 |
| N F | 50 | 4 DEPTH M .1 | 0001 | | 9999 |
| N F | 54 | 5 CURRENT SPEED CM/SEC .1 | 0000 | | 2000 |
| N F | 59 | 4 CURRENT DIRECTION DEG .1 | 0000 | | 3599 |
| N F | 63 | 4 DEPTH M .1 | 0001 | | 9999 |
| N F | 67 | 5 CURRENT SPEED CM/SEC .1 | 0000 | | 2000 |
| N F | 72 | 4 CURRENT DIRECTION DEG .1 | 0000 | | 3599 |
| C F | 76 | 1 0503 POSITION DETERMINATION FLAG | | | |
| N F | 77 | 4 SEQUENCE NUMBER 1. | 0001 | | 9999 |
| Z T | 11 | 5 STATION NUMBER | | | |
| Z T | 16 | 61 TEXT | | | |
| N T | 77 | 4 SEQUENCE NUMBER 1. | 0001 | | 9999 |

RECORDS READ : 248
 RECORDS FOUND 1

4082 156TW6048A54801SPAR R. KOZAK

TOGA

CHIQUITA FRA1973

??????

FILE ID HAS CHANGED

4083 156TW6048A54801SPAR R. KOZAK

TOGA

CHIQUITA FRA1973

?????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER

| T | R | POS | LEN | NAME | RANGE | TESTED |
|---|---|-----|-----|------|-------|--------|
| - | - | --- | --- | ---- | LOW | H |

| | | | | | | |
|---|---|----|----|---------------------|-----|------|
| Z | A | 11 | 5 | STATION NUMBER | | |
| Z | A | 16 | 5 | TEXT | | |
| Z | A | 21 | 15 | TEXT | | |
| Z | A | 36 | 15 | TEXT | | |
| Z | A | 51 | 12 | TEXT | | |
| Z | A | 63 | 5 | TEXT | | |
| B | A | 68 | 13 | BLANK(S) | | |
| Z | B | 11 | 5 | STATION NUMBER | | |
| M | B | 16 | 2 | LAT DEG | 00 | 89 |
| M | B | 18 | 2 | LAT MIN | 00 | 59 |
| M | B | 20 | 2 | LAT SEC | 00 | 59 |
| C | B | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M | B | 23 | 3 | LON DEG | 000 | 179 |
| M | B | 26 | 2 | LON MIN | 00 | 59 |
| M | B | 28 | 2 | LON SEC | 00 | 59 |
| C | B | 30 | 1 | 0501 LON HEMISPHERE | | |
| M | B | 31 | 2 | LAT DEG | 00 | 89 |
| M | B | 33 | 2 | LAT MIN | 00 | 59 |
| M | B | 35 | 2 | LAT SEC | 00 | 59 |
| C | B | 37 | 1 | 0500 LAT HEMISPHERE | | |
| M | B | 38 | 3 | LON DEG | 000 | 179 |
| M | B | 41 | 2 | LON MIN | 00 | 59 |
| M | B | 43 | 2 | LON SEC | 00 | 59 |
| M | B | 45 | 1 | 0501 LON HEMISPHERE | | |
| M | B | 46 | 2 | DATE YEAR | 65 | 94 |
| M | B | 48 | 2 | DATE MONTH | 01 | 12 |
| M | B | 50 | 2 | DATE DAY | 01 | 31 |
| N | B | 52 | 2 | DATE HR | 00 | 23 |
| N | B | 54 | 2 | DATE MIN | 00 | 59 |
| M | B | 56 | 2 | DATE YEAR | 65 | 94 |
| M | B | 58 | 2 | DATE MONTH | 01 | 12 |
| M | B | 60 | 2 | DATE DAY | 01 | 31 |
| N | B | 62 | 2 | DATE HR | 00 | 23 |
| N | B | 64 | 2 | DATE MIN | 00 | 59 |
| N | B | 66 | 4 | DEPTH M 1. | 000 | 6000 |
| N | B | 70 | 2 | DATE HR | 00 | 99 |
| N | B | 72 | 2 | DATE MIN | 00 | 99 |
| B | B | 74 | 7 | BLANK(S) | | |
| Z | C | 11 | 5 | STATION NUMBER | | |
| M | C | 16 | 2 | LAT DEG | 00 | 89 |
| M | C | 18 | 2 | LAT MIN | 00 | 59 |
| M | C | 20 | 2 | LAT SEC | 00 | 59 |
| C | C | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M | C | 23 | 3 | LON DEG | 000 | 179 |
| M | C | 26 | 2 | LON MIN | 00 | 59 |
| M | C | 28 | 2 | LON SEC | 00 | 59 |
| C | C | 30 | 1 | 0501 LON HEMISPHERE | | |
| M | C | 31 | 2 | DATE YEAR | 65 | 94 |
| M | C | 33 | 2 | DATE MONTH | 01 | 12 |
| M | C | 35 | 2 | DATE DAY | 01 | 31 |
| N | C | 37 | 2 | DATE HR | 00 | 23 |
| N | C | 39 | 2 | DATE MIN | 00 | 59 |

| | | | | | |
|-----|----|----|----------------------------------|----------|--------|
| N C | 41 | 3 | TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 | SALINITY PPT .01 | NO RANGE | CHECKI |
| N C | 48 | 6 | ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 | WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 | WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 | 0052 WIND FORCE | | |
| C C | 59 | 1 | 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 | EGAC WAVE PERIOD | | |
| C C | 61 | 1 | 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 | DEPTH M 1. | NO RANGE | CHECKI |
| N C | 66 | 4 | TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 | 0502 SALINITY FLAG | | |
| Z C | 71 | 1 | 0618 | | |
| N C | 72 | 3 | ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 | BLANK(S) | | |
| N C | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 | STATION NUMBER | | |
| N D | 16 | 5 | DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 | DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 | DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 | DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 68 | 9 | BLANK(S) | | |
| N D | 77 | 4 | SEQUENCE NUMBER | NO RANGE | CHECKI |
| Z E | 11 | 5 | STATION NUMBER | | |
| M E | 16 | 2 | LAT DEG | 00 | 89 |
| M E | 18 | 2 | LAT MIN | 00 | 59 |
| M E | 20 | 2 | LAT SEC | 00 | 59 |
| C E | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 | LON DEG | 000 | 179 |
| M E | 26 | 2 | LON MIN | 00 | 59 |
| M E | 28 | 2 | LON SEC | 00 | 59 |
| C E | 30 | 1 | 0501 LON HEMISPHERE | | |
| M E | 31 | 2 | DATE YEAR | 70 | 93 |
| M E | 33 | 2 | DATE MONTH | 01 | 12 |
| M E | 35 | 2 | DATE DAY | 01 | 31 |
| N E | 37 | 2 | DATE HR | 00 | 23 |
| N E | 39 | 2 | DATE MIN | 00 | 59 |
| N E | 41 | 3 | ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 | WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 | WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 | PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 | TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 | 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 | BLANK(S) | | |
| C E | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z F | 11 | 5 | STATION NUMBER | | |
| M F | 16 | 2 | LAT DEG | 00 | 89 |
| M F | 18 | 2 | LAT MIN | 00 | 59 |
| M F | 20 | 2 | LAT SEC | 00 | 59 |
| C F | 22 | 1 | 0500 LAT HEMISPHERE | | |

| | | | | | |
|----------------|----|----|----------------------------------|------|------|
| M F | 23 | 3 | LON DEG | 000 | 179 |
| M F | 26 | 2 | LON MIN | 00 | 59 |
| M F | 28 | 2 | LON SEC | 00 | 59 |
| M F | 30 | 1 | 0501 LON HEMISPHERE | | |
| M F | 31 | 2 | DATE YEAR | 70 | 93 |
| M F | 33 | 2 | DATE MONTH | 01 | 12 |
| M F | 35 | 2 | DATE DAY | 01 | 31 |
| N F | 37 | 2 | DATE HR | 00 | 23 |
| N F | 39 | 2 | DATE MIN | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 | STATION NUMBER | | |
| Z T | 16 | 61 | TEXT | | |
| N T | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| RECORDS READ : | | | 255 | | |
| STATIONS FOUND | | | 1 | | |

4337 156TW6049A54802SPAR R. KOZAK TOGA CHIQUITA FRA1993

??????

FILE ID HAS CHANGED

38 156TW6049A54802SPAR R. KOZAK TOGA CHIQUITA FRA1993

??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER RANGE TESTED

| T | R | POS | LEN | NAME | LOW | H |
|---|---|-----|-----|------|-----|---|
|---|---|-----|-----|------|-----|---|

| | | | | | |
|-----|----|----|---------------------|-----|-----|
| Z A | 11 | 5 | STATION NUMBER | | |
| Z A | 16 | 5 | TEXT | | |
| Z A | 21 | 15 | TEXT | | |
| Z A | 36 | 15 | TEXT | | |
| Z A | 51 | 12 | TEXT | | |
| Z A | 63 | 5 | TEXT | | |
| B A | 68 | 13 | BLANK(S) | | |
| Z B | 11 | 5 | STATION NUMBER | | |
| M B | 16 | 2 | LAT DEG | 00 | 89 |
| M B | 18 | 2 | LAT MIN | 00 | 59 |
| M B | 20 | 2 | LAT SEC | 00 | 59 |
| C B | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M B | 23 | 3 | LON DEG | 000 | 179 |
| M B | 26 | 2 | LON MIN | 00 | 59 |
| M B | 28 | 2 | LON SEC | 00 | 59 |
| C B | 30 | 1 | 0501 LON HEMISPHERE | | |
| M B | 31 | 2 | LAT DEG | 00 | 89 |
| M B | 33 | 2 | LAT MIN | 00 | 59 |
| M B | 35 | 2 | LAT SEC | 00 | 59 |
| C B | 37 | 1 | 0500 LAT HEMISPHERE | | |
| M B | 38 | 3 | LON DEG | 000 | 179 |
| M B | 41 | 2 | LON MIN | 00 | 59 |
| M B | 43 | 2 | LON SEC | 00 | 59 |
| C B | 45 | 1 | 0501 LON HEMISPHERE | | |

| | | | | |
|-----|----|-------------------------------|-----------------|------|
| M B | 46 | 2 DATE YEAR | 65 | 94 |
| M B | 48 | 2 DATE MONTH | 01 | 12 |
| | 50 | 2 DATE DAY | 01 | 31 |
| | 52 | 2 DATE HR | 00 | 23 |
| N B | 54 | 2 DATE MIN | 00 | 59 |
| M B | 56 | 2 DATE YEAR | 65 | 94 |
| M B | 58 | 2 DATE MONTH | 01 | 12 |
| M B | 60 | 2 DATE DAY | 01 | 31 |
| N B | 62 | 2 DATE HR | 00 | 23 |
| N B | 64 | 2 DATE MIN | 00 | 59 |
| N B | 66 | 4 DEPTH M 1. | 000 | 6000 |
| N B | 70 | 2 DATE HR | 00 | 99 |
| N B | 72 | 2 DATE MIN | 00 | 99 |
| B B | 74 | 7 BLANK(S) | | |
| Z C | 11 | 5 STATION NUMBER | | |
| M C | 16 | 2 LAT DEG | 00 | 89 |
| M C | 18 | 2 LAT MIN | 00 | 59 |
| M C | 20 | 2 LAT SEC | 00 | 59 |
| C C | 22 | 1 0500 LAT HEMISPHERE | | |
| M C | 23 | 3 LON DEG | 000 | 179 |
| M C | 26 | 2 LON MIN | 00 | 59 |
| M C | 28 | 2 LON SEC | 00 | 59 |
| C C | 30 | 1 0501 LON HEMISPHERE | | |
| | | | | |
| M C | 31 | 2 DATE YEAR | 65 | 94 |
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| | 44 | 4 SALINITY PPT .01 | NO RANGE CHECKI | |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE CHECKI | |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 BLANK(S) | | |
| N D | 77 | 4 SEQUENCE NUMBER | NO RANGE CHECKI | |

| | | | | |
|-----|----|------------------------------------|--------|------|
| Z E | 11 | 5 STATION NUMBER | | |
| M E | 16 | 2 LAT DEG | 00 | 89 |
| M E | 18 | 2 LAT MIN | 00 | 59 |
| | 20 | 2 LAT SEC | 00 | 59 |
| | 22 | 1 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 LON DEG | 000 | 179 |
| M E | 26 | 2 LON MIN | 00 | 59 |
| M E | 28 | 2 LON SEC | 00 | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | |
| M E | 31 | 2 DATE YEAR | 70 | 93 |
| M E | 33 | 2 DATE MONTH | 01 | 12 |
| M E | 35 | 2 DATE DAY | 01 | 31 |
| N E | 37 | 2 DATE HR | 00 | 23 |
| N E | 39 | 2 DATE MIN | 00 | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 BLANK(S) | | |
| C E | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |

| | | | | |
|-----|----|------------------------------------|------|------|
| Z F | 11 | 5 STATION NUMBER | | |
| M F | 16 | 2 LAT DEG | 00 | 89 |
| M F | 18 | 2 LAT MIN | 00 | 59 |
| M F | 20 | 2 LAT SEC | 00 | 59 |
| C F | 22 | 1 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 LON DEG | 000 | 179 |
| | 26 | 2 LON MIN | 00 | 59 |
| | 28 | 2 LON SEC | 00 | 59 |
| C F | 30 | 1 0501 LON HEMISPHERE | | |
| M F | 31 | 2 DATE YEAR | 70 | 93 |
| M F | 33 | 2 DATE MONTH | 01 | 12 |
| M F | 35 | 2 DATE DAY | 01 | 31 |
| N F | 37 | 2 DATE HR | 00 | 23 |
| N F | 39 | 2 DATE MIN | 00 | 59 |
| N F | 41 | 5 SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 STATION NUMBER | | |
| Z T | 16 | 61 TEXT | | |
| N T | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |

RECORDS READ : 269
STATIONS FOUND 1

06 156TW6050A54804SPAR R. KOZAK TOGA REMUERA BAY 1970
?????
FILE ID HAS CHANGED

4607 156TW6050A54804SPAR R. KOZAK TOGA REMUERA BAY 1970

?????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

| THE FIELDS BELOW WERE CHECKED AS FOLLOWS (S=SIGN/B=BLANK/T=TAXONOMIC | | | | CODE/N=NUMBER |
|----------------------------------------------------------------------|-----|------------------------|----------|---------------|
| POS | LEN | NAME | | RANGE TESTED |
| --- | --- | ---- | | LOW H |
| Z A | 11 | 5 STATION NUMBER | | |
| Z A | 16 | 5 TEXT | | |
| Z A | 21 | 15 TEXT | | |
| Z A | 36 | 15 TEXT | | |
| Z A | 51 | 12 TEXT | | |
| Z A | 63 | 5 TEXT | | |
| B A | 68 | 13 BLANK(S) | | |
| Z B | 11 | 5 STATION NUMBER | | |
| M B | 16 | 2 LAT DEG | 00 | 89 |
| M B | 18 | 2 LAT MIN | 00 | 59 |
| M B | 20 | 2 LAT SEC | 00 | 59 |
| C B | 22 | 1 0500 LAT HEMISPHERE | | |
| M B | 23 | 3 LON DEG | 000 | 179 |
| M B | 26 | 2 LON MIN | 00 | 59 |
| M B | 28 | 2 LON SEC | 00 | 59 |
| C B | 30 | 1 0501 LON HEMISPHERE | | |
| M B | 31 | 2 LAT DEG | 00 | 89 |
| M B | 33 | 2 LAT MIN | 00 | 59 |
| M B | 35 | 2 LAT SEC | 00 | 59 |
| C B | 37 | 1 0500 LAT HEMISPHERE | | |
| M B | 38 | 3 LON DEG | 000 | 179 |
| M B | 41 | 2 LON MIN | 00 | 59 |
| M B | 43 | 2 LON SEC | 00 | 59 |
| C B | 45 | 1 0501 LON HEMISPHERE | | |
| M B | 46 | 2 DATE YEAR | 65 | 94 |
| M B | 48 | 2 DATE MONTH | 01 | 12 |
| M B | 50 | 2 DATE DAY | 01 | 31 |
| N B | 52 | 2 DATE HR | 00 | 23 |
| N B | 54 | 2 DATE MIN | 00 | 59 |
| M B | 56 | 2 DATE YEAR | 65 | 94 |
| M B | 58 | 2 DATE MONTH | 01 | 12 |
| M B | 60 | 2 DATE DAY | 01 | 31 |
| N B | 62 | 2 DATE HR | 00 | 23 |
| N B | 64 | 2 DATE MIN | 00 | 59 |
| N B | 66 | 4 DEPTH M 1. | 000 | 6000 |
| N B | 70 | 2 DATE HR | 00 | 99 |
| N B | 72 | 2 DATE MIN | 00 | 99 |
| B B | 74 | 7 BLANK(S) | | |
| Z C | 11 | 5 STATION NUMBER | | |
| M C | 16 | 2 LAT DEG | 00 | 89 |
| M C | 18 | 2 LAT MIN | 00 | 59 |
| M C | 20 | 2 LAT SEC | 00 | 59 |
| C C | 22 | 1 0500 LAT HEMISPHERE | | |
| M C | 23 | 3 LON DEG | 000 | 179 |
| M C | 26 | 2 LON MIN | 00 | 59 |
| M C | 28 | 2 LON SEC | 00 | 59 |
| C C | 30 | 1 0501 LON HEMISPHERE | | |
| M C | 31 | 2 DATE YEAR | 65 | 94 |
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE | CHECKI |

| | | | | | |
|-----|----|----|----------------------------------|-----------------|------|
| N C | 48 | 6 | ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 | WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 | WIND DIRECTION DEG 10. | 00 | 36 |
| | 58 | 1 | 0052 WIND FORCE | | |
| | 59 | 1 | 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 | EGAC WAVE PERIOD | | |
| C C | 61 | 1 | 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 | DEPTH M 1. | NO RANGE CHECKI | |
| N C | 66 | 4 | TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 | 0502 SALINITY FLAG | | |
| Z C | 71 | 1 | 0618 | | |
| N C | 72 | 3 | ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 | BLANK(S) | | |
| N C | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 | STATION NUMBER | | |
| N D | 16 | 5 | DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 | DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 | DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 | DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 | PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 | TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 | BLANK(S) | | |
| N D | 77 | 4 | SEQUENCE NUMBER | NO RANGE CHECKI | |
| Z F | 11 | 5 | STATION NUMBER | | |
| | 16 | 2 | LAT DEG | 00 | 89 |
| | 18 | 2 | LAT MIN | 00 | 59 |
| M E | 20 | 2 | LAT SEC | 00 | 59 |
| C E | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 | LON DEG | 000 | 179 |
| M E | 26 | 2 | LON MIN | 00 | 59 |
| M E | 28 | 2 | LON SEC | 00 | 59 |
| C E | 30 | 1 | 0501 LON HEMISPHERE | | |
| M E | 31 | 2 | DATE YEAR | 70 | 93 |
| M E | 33 | 2 | DATE MONTH | 01 | 12 |
| M E | 35 | 2 | DATE DAY | 01 | 31 |
| N E | 37 | 2 | DATE HR | 00 | 23 |
| N E | 39 | 2 | DATE MIN | 00 | 59 |
| N E | 41 | 3 | ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 | WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 | WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 | PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 | TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 | 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 | BLANK(S) | | |
| C E | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z F | 11 | 5 | STATION NUMBER | | |
| | 16 | 2 | LAT DEG | 00 | 89 |
| | 18 | 2 | LAT MIN | 00 | 59 |
| M F | 20 | 2 | LAT SEC | 00 | 59 |
| C F | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 | LON DEG | 000 | 179 |
| M F | 26 | 2 | LON MIN | 00 | 59 |

| | | | | | | |
|----------------|----|----|----------------------------------|-----|------|------|
| M F | 28 | 2 | LON SEC | | 00 | 59 |
| C F | 30 | 1 | 0501 LON HEMISPHERE | | | |
| M F | 31 | 2 | DATE YEAR | | 70 | 93 |
| | 33 | 2 | DATE MONTH | | 01 | 12 |
| | 35 | 2 | DATE DAY | | 01 | 31 |
| N F | 37 | 2 | DATE HR | | 00 | 23 |
| N F | 39 | 2 | DATE MIN | | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | | 0001 | 9999 |
| N F | 54 | 5 | CURRENT SPEED CM/SEC .1 | | 0000 | 2000 |
| N F | 59 | 4 | CURRENT DIRECTION DEG .1 | | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | | 0001 | 9999 |
| N F | 67 | 5 | CURRENT SPEED CM/SEC .1 | | 0000 | 2000 |
| N F | 72 | 4 | CURRENT DIRECTION DEG .1 | | 0000 | 3599 |
| C F | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | | |
| N F | 77 | 4 | SEQUENCE NUMBER 1. | | 0001 | 9999 |
| Z T | 11 | 5 | STATION NUMBER | | | |
| Z T | 16 | 61 | TEXT | | | |
| N T | 77 | 4 | SEQUENCE NUMBER 1. | | 0001 | 9999 |
| RECORDS READ : | | | | 284 | | |
| STATIONS FOUND | | | | 1 | | |

 4890 156TW6051A54844SPAR R. KOZAK TOGA AIRCRAFT 17168
 ??????

FILE ID HAS CHANGED

 4891 156TW6051A54844SPAR R. KOZAK TOGA AIRCRAFT 17168
 ??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

ALL FIELDS BELOW WERE CHECKED AS FOLLOWS (S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMBER
 T R POS LEN NAME RANGE TESTED
 - - - - - LOW H

| | | | | | |
|-----|----|----|---------------------|-----|-----|
| Z A | 11 | 5 | STATION NUMBER | | |
| Z A | 16 | 5 | TEXT | | |
| Z A | 21 | 15 | TEXT | | |
| Z A | 36 | 15 | TEXT | | |
| Z A | 51 | 12 | TEXT | | |
| Z A | 63 | 5 | TEXT | | |
| B A | 68 | 13 | BLANK(S) | | |
| Z B | 11 | 5 | STATION NUMBER | | |
| M B | 16 | 2 | LAT DEG | 00 | 89 |
| M B | 18 | 2 | LAT MIN | 00 | 59 |
| M B | 20 | 2 | LAT SEC | 00 | 59 |
| C B | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M B | 23 | 3 | LON DEG | 000 | 179 |
| M B | 26 | 2 | LON MIN | 00 | 59 |
| M B | 28 | 2 | LON SEC | 00 | 59 |
| C B | 30 | 1 | 0501 LON HEMISPHERE | | |
| M B | 31 | 2 | LAT DEG | 00 | 89 |
| M B | 33 | 2 | LAT MIN | 00 | 59 |
| M B | 35 | 2 | LAT SEC | 00 | 59 |
| C B | 37 | 1 | 0500 LAT HEMISPHERE | | |
| | 38 | 3 | LON DEG | 000 | 179 |
| | 41 | 2 | LON MIN | 00 | 59 |
| M B | 43 | 2 | LON SEC | 00 | 59 |
| C B | 45 | 1 | 0501 LON HEMISPHERE | | |
| M B | 46 | 2 | DATE YEAR | 65 | 94 |
| M B | 48 | 2 | DATE MONTH | 01 | 12 |

| | | | | |
|-----|----|-------------------------------|-----------------|------|
| M B | 50 | 2 DATE DAY | 01 | 31 |
| N B | 52 | 2 DATE HR | 00 | 23 |
| N B | 54 | 2 DATE MIN | 00 | 59 |
| N B | 56 | 2 DATE YEAR | 65 | 94 |
| N B | 58 | 2 DATE MONTH | 01 | 12 |
| M B | 60 | 2 DATE DAY | 01 | 31 |
| N B | 62 | 2 DATE HR | 00 | 23 |
| N B | 64 | 2 DATE MIN | 00 | 59 |
| N B | 66 | 4 DEPTH M 1. | 000 | 6000 |
| N B | 70 | 2 DATE HR | 00 | 99 |
| N B | 72 | 2 DATE MIN | 00 | 99 |
| B B | 74 | 7 BLANK(S) | | |
| Z C | 11 | 5 STATION NUMBER | | |
| M C | 16 | 2 LAT DEG | 00 | 89 |
| M C | 18 | 2 LAT MIN | 00 | 59 |
| M C | 20 | 2 LAT SEC | 00 | 59 |
| C C | 22 | 1 0500 LAT HEMISPHERE | | |
| M C | 23 | 3 LON DEG | 000 | 179 |
| M C | 26 | 2 LON MIN | 00 | 59 |
| M C | 28 | 2 LON SEC | 00 | 59 |
| C C | 30 | 1 0501 LON HEMISPHERE | | |
| | | | | |
| M C | 31 | 2 DATE YEAR | 65 | 94 |
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE CHECKI | |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE CHECKI | |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 BLANK(S) | | |
| N D | 77 | 4 SEQUENCE NUMBER | NO RANGE CHECKI | |
| Z E | 11 | 5 STATION NUMBER | | |
| M E | 16 | 2 LAT DEG | 00 | 89 |

| | | | | |
|-----|----|------------------------------------|--------|------|
| M E | 18 | 2 LAT MIN | 00 | 59 |
| M E | 20 | 2 LAT SEC | 00 | 59 |
| C E | 22 | 1 0500 LAT HEMISPHERE | | |
| | 23 | 3 LON DEG | 000 | 179 |
| | 26 | 2 LON MIN | 00 | 59 |
| M E | 28 | 2 LON SEC | 00 | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | |
| M E | 31 | 2 DATE YEAR | 70 | 93 |
| M E | 33 | 2 DATE MONTH | 01 | 12 |
| M E | 35 | 2 DATE DAY | 01 | 31 |
| N E | 37 | 2 DATE HR | 00 | 23 |
| N E | 39 | 2 DATE MIN | 00 | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 BLANK(S) | | |
| C E | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |

| | | | | |
|-----|----|------------------------------------|------|------|
| Z F | 11 | 5 STATION NUMBER | | |
| M F | 16 | 2 LAT DEG | 00 | 89 |
| M F | 18 | 2 LAT MIN | 00 | 59 |
| M F | 20 | 2 LAT SEC | 00 | 59 |
| C F | 22 | 1 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 LON DEG | 000 | 179 |
| M F | 26 | 2 LON MIN | 00 | 59 |
| M F | 28 | 2 LON SEC | 00 | 59 |
| | 30 | 1 0501 LON HEMISPHERE | | |
| | 31 | 2 DATE YEAR | 70 | 93 |
| M F | 33 | 2 DATE MONTH | 01 | 12 |
| M F | 35 | 2 DATE DAY | 01 | 31 |
| N F | 37 | 2 DATE HR | 00 | 23 |
| N F | 39 | 2 DATE MIN | 00 | 59 |
| N F | 41 | 5 SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 STATION NUMBER | | |
| Z T | 16 | 61 TEXT | | |
| N T | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |

RECORDS READ : 282
STATIONS FOUND 1

5172 156TW6052A56801SPAR R. KOZAK TOGA UNKNOWN 5130
??????

FILE ID HAS CHANGED

5173 156TW6052A56801SPAR R. KOZAK TOGA UNKNOWN 5130
??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

| THE FIELDS BELOW WERE CHECKED AS FOLLOWS (S=SIGN/B=BLANK/T=TAXONOMIC | | | | CODE/N=NUMBER | |
|----------------------------------------------------------------------|---|-----|-----|-----------------------------|-----------------|
| T | R | POS | LEN | NAME | RANGE TESTED |
| | | | | | LOW H |
| | | 11 | 5 | STATION NUMBER | |
| | | 16 | 5 | TEXT | |
| Z | A | 21 | 15 | TEXT | |
| Z | A | 36 | 15 | TEXT | |
| Z | A | 51 | 12 | TEXT | |
| Z | A | 63 | 5 | TEXT | |
| B | A | 68 | 13 | BLANK(S) | |
| Z | B | 11 | 5 | STATION NUMBER | |
| M | B | 16 | 2 | LAT DEG | 00 89 |
| M | B | 18 | 2 | LAT MIN | 00 59 |
| M | B | 20 | 2 | LAT SEC | 00 59 |
| C | B | 22 | 1 | 0500 LAT HEMISPHERE | |
| M | B | 23 | 3 | LON DEG | 000 179 |
| M | B | 26 | 2 | LON MIN | 00 59 |
| M | B | 28 | 2 | LON SEC | 00 59 |
| C | B | 30 | 1 | 0501 LON HEMISPHERE | |
| M | B | 31 | 2 | LAT DEG | 00 89 |
| M | B | 33 | 2 | LAT MIN | 00 59 |
| M | B | 35 | 2 | LAT SEC | 00 59 |
| C | B | 37 | 1 | 0500 LAT HEMISPHERE | |
| M | B | 38 | 3 | LON DEG | 000 179 |
| M | B | 41 | 2 | LON MIN | 00 59 |
| M | B | 43 | 2 | LON SEC | 00 59 |
| C | B | 45 | 1 | 0501 LON HEMISPHERE | |
| M | B | 46 | 2 | DATE YEAR | 65 94 |
| M | B | 48 | 2 | DATE MONTH | 01 12 |
| M | B | 50 | 2 | DATE DAY | 01 31 |
| | | 52 | 2 | DATE HR | 00 23 |
| | | 54 | 2 | DATE MIN | 00 59 |
| M | B | 56 | 2 | DATE YEAR | 65 94 |
| M | B | 58 | 2 | DATE MONTH | 01 12 |
| M | B | 60 | 2 | DATE DAY | 01 31 |
| N | B | 62 | 2 | DATE HR | 00 23 |
| N | B | 64 | 2 | DATE MIN | 00 59 |
| N | B | 66 | 4 | DEPTH M 1. | 000 6000 |
| N | B | 70 | 2 | DATE HR | 00 99 |
| N | B | 72 | 2 | DATE MIN | 00 99 |
| B | B | 74 | 7 | BLANK(S) | |
| Z | C | 11 | 5 | STATION NUMBER | |
| M | C | 16 | 2 | LAT DEG | 00 89 |
| M | C | 18 | 2 | LAT MIN | 00 59 |
| M | C | 20 | 2 | LAT SEC | 00 59 |
| C | C | 22 | 1 | 0500 LAT HEMISPHERE | |
| M | C | 23 | 3 | LON DEG | 000 179 |
| M | C | 26 | 2 | LON MIN | 00 59 |
| M | C | 28 | 2 | LON SEC | 00 59 |
| C | C | 30 | 1 | 0501 LON HEMISPHERE | |
| M | C | 31 | 2 | DATE YEAR | 65 94 |
| M | C | 33 | 2 | DATE MONTH | 01 12 |
| M | C | 35 | 2 | DATE DAY | 01 31 |
| | | 37 | 2 | DATE HR | 00 23 |
| | | 39 | 2 | DATE MIN | 00 59 |
| N | C | 41 | 3 | TEMPERATURE DEG C .1 | -20 360 |
| N | C | 44 | 4 | SALINITY PPT .01 | NO RANGE CHECKI |
| N | C | 48 | 6 | ATMOSPHERIC PRESSURE MB .01 | 089000 1080 |
| N | C | 54 | 2 | WIND SPEED M/SEC 1. | 00 99 |

| | | | | |
|-----|----|------------------------------------|-----------------|------|
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 0052 WIND FORCE | | |
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | |
| | 60 | 1 EGAC WAVE PERIOD | | |
| | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE CHECKI | |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| Z D | 68 | 9 BLANK(S) | | |
| N D | 77 | 4 SEQUENCE NUMBER | NO RANGE CHECKI | |
| Z E | 11 | 5 STATION NUMBER | | |
| M E | 16 | 2 LAT DEG | 00 | 89 |
| M E | 18 | 2 LAT MIN | 00 | 59 |
| | 20 | 2 LAT SEC | 00 | 59 |
| | 22 | 1 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 LON DEG | 000 | 179 |
| M E | 26 | 2 LON MIN | 00 | 59 |
| M E | 28 | 2 LON SEC | 00 | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | |
| M E | 31 | 2 DATE YEAR | 70 | 93 |
| M E | 33 | 2 DATE MONTH | 01 | 12 |
| M E | 35 | 2 DATE DAY | 01 | 31 |
| N E | 37 | 2 DATE HR | 00 | 23 |
| N E | 39 | 2 DATE MIN | 00 | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 BLANK(S) | | |
| C E | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z F | 11 | 5 STATION NUMBER | | |
| M F | 16 | 2 LAT DEG | 00 | 89 |
| M F | 18 | 2 LAT MIN | 00 | 59 |
| | 20 | 2 LAT SEC | 00 | 59 |
| | 22 | 1 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 LON DEG | 000 | 179 |
| M F | 26 | 2 LON MIN | 00 | 59 |
| M F | 28 | 2 LON SEC | 00 | 59 |
| C F | 30 | 1 0501 LON HEMISPHERE | | |

| | | | | | |
|--------------------|----|----|----------------------------------|------|------|
| M F | 31 | 2 | DATE YEAR | 70 | 93 |
| M F | 33 | 2 | DATE MONTH | 01 | 12 |
| M F | 35 | 2 | DATE DAY | 01 | 31 |
| | 37 | 2 | DATE HR | 00 | 23 |
| | 39 | 2 | DATE MIN | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 | STATION NUMBER | | |
| Z T | 16 | 61 | TEXT | | |
| N T | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| RECORDS READ : 274 | | | | | |
| STATIONS FOUND 1 | | | | | |

5446 156TW6053A56802SPAR R. KOZAK TOGA MV ANRO AUST5119

??????

FILE ID HAS CHANGED

5447 156TW6053A56802SPAR R. KOZAK TOGA MV ANRO AUST5119

??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS (S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER RANGE TESTED

| POS | LEN | NAME | LOW | H |
|-----|-----|-----------------------|-----|-----|
| Z A | 11 | 5 STATION NUMBER | | |
| Z A | 16 | 5 TEXT | | |
| Z A | 21 | 15 TEXT | | |
| Z A | 36 | 15 TEXT | | |
| Z A | 51 | 12 TEXT | | |
| Z A | 63 | 5 TEXT | | |
| B A | 68 | 13 BLANK(S) | | |
| Z B | 11 | 5 STATION NUMBER | | |
| M B | 16 | 2 LAT DEG | 00 | 89 |
| M B | 18 | 2 LAT MIN | 00 | 59 |
| M B | 20 | 2 LAT SEC | 00 | 59 |
| C B | 22 | 1 0500 LAT HEMISPHERE | | |
| M B | 23 | 3 LON DEG | 000 | 179 |
| M B | 26 | 2 LON MIN | 00 | 59 |
| M B | 28 | 2 LON SEC | 00 | 59 |
| C B | 30 | 1 0501 LON HEMISPHERE | | |
| M B | 31 | 2 LAT DEG | 00 | 89 |
| M B | 33 | 2 LAT MIN | 00 | 59 |
| M B | 35 | 2 LAT SEC | 00 | 59 |
| C B | 37 | 1 0500 LAT HEMISPHERE | | |
| M B | 38 | 3 LON DEG | 000 | 179 |
| M B | 41 | 2 LON MIN | 00 | 59 |
| | 43 | 2 LON SEC | 00 | 59 |
| | 45 | 1 0501 LON HEMISPHERE | | |
| M B | 46 | 2 DATE YEAR | 65 | 94 |
| M B | 48 | 2 DATE MONTH | 01 | 12 |
| M B | 50 | 2 DATE DAY | 01 | 31 |
| N B | 52 | 2 DATE HR | 00 | 23 |

| | | | | |
|-----|----|-------------------------------|-----------------|------|
| N B | 54 | 2 DATE MIN | 00 | 59 |
| M B | 56 | 2 DATE YEAR | 65 | 94 |
| M B | 58 | 2 DATE MONTH | 01 | 12 |
| | 60 | 2 DATE DAY | 01 | 31 |
| | 62 | 2 DATE HR | 00 | 23 |
| N B | 64 | 2 DATE MIN | 00 | 59 |
| N B | 66 | 4 DEPTH M 1. | 000 | 6000 |
| N B | 70 | 2 DATE HR | 00 | 99 |
| N B | 72 | 2 DATE MIN | 00 | 99 |
| B B | 74 | 7 BLANK(S) | | |
| Z C | 11 | 5 STATION NUMBER | | |
| M C | 16 | 2 LAT DEG | 00 | 89 |
| M C | 18 | 2 LAT MIN | 00 | 59 |
| M C | 20 | 2 LAT SEC | 00 | 59 |
| C C | 22 | 1 0500 LAT HEMISPHERE | | |
| M C | 23 | 3 LON DEG | 000 | 179 |
| M C | 26 | 2 LON MIN | 00 | 59 |
| M C | 28 | 2 LON SEC | 00 | 59 |
| C C | 30 | 1 0501 LON HEMISPHERE | | |
| | | | | |
| M C | 31 | 2 DATE YEAR | 65 | 94 |
| M C | 33 | 2 DATE MONTH | 01 | 12 |
| M C | 35 | 2 DATE DAY | 01 | 31 |
| N C | 37 | 2 DATE HR | 00 | 23 |
| N C | 39 | 2 DATE MIN | 00 | 59 |
| N C | 41 | 3 TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 SALINITY PPT .01 | NO RANGE CHECKI | |
| N C | 48 | 6 ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 WIND DIRECTION DEG 10. | 00 | 36 |
| | 58 | 1 0052 WIND FORCE | | |
| | 59 | 1 0104 WAVE HT (WMO1555) | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | |
| N C | 62 | 4 DEPTH M 1. | NO RANGE CHECKI | |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | |
| Z C | 71 | 1 0618 | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | 999 |
| B C | 75 | 2 BLANK(S) | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z D | 11 | 5 STATION NUMBER | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 42 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | 9999 |
| N D | 60 | 5 PRESSURE DB .01 | 00000 | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | 300 |
| | 68 | 9 BLANK(S) | | |
| | 77 | 4 SEQUENCE NUMBER | NO RANGE CHECKI | |
| Z E | 11 | 5 STATION NUMBER | | |
| M E | 16 | 2 LAT DEG | 00 | 89 |
| M E | 18 | 2 LAT MIN | 00 | 59 |
| M E | 20 | 2 LAT SEC | 00 | 59 |

| | | | | |
|--------------------|----|------------------------------------|--------|------|
| C E | 22 | 1 0500 LAT HEMISPHERE | | |
| M E | 23 | 3 LON DEG | 000 | 179 |
| | 26 | 2 LON MIN | 00 | 59 |
| | 28 | 2 LON SEC | 00 | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | |
| M E | 31 | 2 DATE YEAR | 70 | 93 |
| M E | 33 | 2 DATE MONTH | 01 | 12 |
| M E | 35 | 2 DATE DAY | 01 | 31 |
| N E | 37 | 2 DATE HR | 00 | 23 |
| N E | 39 | 2 DATE MIN | 00 | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | 100 |
| N E | 44 | 3 WIND SPEED M/SEC .1 | 000 | 999 |
| N E | 47 | 4 WIND DIRECTION DEG .1 | 0000 | 3599 |
| N E | 51 | 6 PRESSURE MB .01 | 089000 | 1080 |
| N E | 57 | 4 TEMPERATURE DEG C .1 | -500 | 0500 |
| C E | 61 | 4 0096 COMPASS DIRECTION | | |
| B E | 65 | 11 BLANK(S) | | |
| C E | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| N E | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| | | | | |
| Z F | 11 | 5 STATION NUMBER | | |
| M F | 16 | 2 LAT DEG | 00 | 89 |
| M F | 18 | 2 LAT MIN | 00 | 59 |
| M F | 20 | 2 LAT SEC | 00 | 59 |
| C F | 22 | 1 0500 LAT HEMISPHERE | | |
| M F | 23 | 3 LON DEG | 000 | 179 |
| M F | 26 | 2 LON MIN | 00 | 59 |
| M F | 28 | 2 LON SEC | 00 | 59 |
| C F | 30 | 1 0501 LON HEMISPHERE | | |
| M F | 31 | 2 DATE YEAR | 70 | 93 |
| M F | 33 | 2 DATE MONTH | 01 | 12 |
| M F | 35 | 2 DATE DAY | 01 | 31 |
| N F | 37 | 2 DATE HR | 00 | 23 |
| N F | 39 | 2 DATE MIN | 00 | 59 |
| N F | 41 | 5 SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 STATION NUMBER | | |
| Z T | 16 | 61 TEXT | | |
| N T | 77 | 4 SEQUENCE NUMBER 1. | 0001 | 9999 |
| RECORDS READ : 249 | | | | |
| STATIONS FOUND 1 | | | | |

5695 156TW6054A56803SPAR R. KOZAK TOGA SS FLINDERS 1994

??????

FILE ID HAS CHANGED

5696 156TW6054A56803SPAR R. KOZAK TOGA SS FLINDERS 1994

??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMER
T R POS LEN NAME RANGE TESTED

| | | | | LOW | H |
|-----|----|----|-----------------------------|----------|--------|
| Z A | 11 | 5 | STATION NUMBER | | |
| | 16 | 5 | TEXT | | |
| | 21 | 15 | TEXT | | |
| Z A | 36 | 15 | TEXT | | |
| Z A | 51 | 12 | TEXT | | |
| Z A | 63 | 5 | TEXT | | |
| B A | 68 | 13 | BLANK(S) | | |
| Z B | 11 | 5 | STATION NUMBER | | |
| M B | 16 | 2 | LAT DEG | 00 | 89 |
| M B | 18 | 2 | LAT MIN | 00 | 59 |
| M B | 20 | 2 | LAT SEC | 00 | 59 |
| C B | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M B | 23 | 3 | LON DEG | 000 | 179 |
| M B | 26 | 2 | LON MIN | 00 | 59 |
| M B | 28 | 2 | LON SEC | 00 | 59 |
| C B | 30 | 1 | 0501 LON HEMISPHERE | | |
| M B | 31 | 2 | LAT DEG | 00 | 89 |
| M B | 33 | 2 | LAT MIN | 00 | 59 |
| M B | 35 | 2 | LAT SEC | 00 | 59 |
| C B | 37 | 1 | 0500 LAT HEMISPHERE | | |
| M B | 38 | 3 | LON DEG | 000 | 179 |
| M B | 41 | 2 | LON MIN | 00 | 59 |
| M B | 43 | 2 | LON SEC | 00 | 59 |
| C B | 45 | 1 | 0501 LON HEMISPHERE | | |
| M B | 46 | 2 | DATE YEAR | 65 | 94 |
| M B | 48 | 2 | DATE MONTH | 01 | 12 |
| M B | 50 | 2 | DATE DAY | 01 | 31 |
| N B | 52 | 2 | DATE HR | 00 | 23 |
| | 54 | 2 | DATE MIN | 00 | 59 |
| M B | 56 | 2 | DATE YEAR | 65 | 94 |
| M B | 58 | 2 | DATE MONTH | 01 | 12 |
| M B | 60 | 2 | DATE DAY | 01 | 31 |
| N B | 62 | 2 | DATE HR | 00 | 23 |
| N B | 64 | 2 | DATE MIN | 00 | 59 |
| N B | 66 | 4 | DEPTH M 1. | 000 | 6000 |
| N B | 70 | 2 | DATE HR | 00 | 99 |
| N B | 72 | 2 | DATE MIN | 00 | 99 |
| B B | 74 | 7 | BLANK(S) | | |
| Z C | 11 | 5 | STATION NUMBER | | |
| M C | 16 | 2 | LAT DEG | 00 | 89 |
| M C | 18 | 2 | LAT MIN | 00 | 59 |
| M C | 20 | 2 | LAT SEC | 00 | 59 |
| C C | 22 | 1 | 0500 LAT HEMISPHERE | | |
| M C | 23 | 3 | LON DEG | 000 | 179 |
| M C | 26 | 2 | LON MIN | 00 | 59 |
| M C | 28 | 2 | LON SEC | 00 | 59 |
| C C | 30 | 1 | 0501 LON HEMISPHERE | | |
| M C | 31 | 2 | DATE YEAR | 65 | 94 |
| M C | 33 | 2 | DATE MONTH | 01 | 12 |
| M C | 35 | 2 | DATE DAY | 01 | 31 |
| N C | 37 | 2 | DATE HR | 00 | 23 |
| | 39 | 2 | DATE MIN | 00 | 59 |
| | 41 | 3 | TEMPERATURE DEG C .1 | -20 | 360 |
| N C | 44 | 4 | SALINITY PPT .01 | NO RANGE | CHECKI |
| N C | 48 | 6 | ATMOSPHERIC PRESSURE MB .01 | 089000 | 1080 |
| N C | 54 | 2 | WIND SPEED M/SEC 1. | 00 | 99 |
| N C | 56 | 2 | WIND DIRECTION DEG 10. | 00 | 36 |
| C C | 58 | 1 | 0052 WIND FORCE | | |

| Code | Line | Description | NO | RANGE | CHECKI |
|------|------|------------------------------------|--------|-------|--------|
| C C | 59 | 1 0104 WAVE HT (WMO1555) | | | |
| C C | 60 | 1 EGAC WAVE PERIOD | | | |
| C C | 61 | 1 0109 SEA STATE (WMO3700) | | | |
| N C | 62 | 4 DEPTH M 1. | | | |
| N C | 66 | 4 TEMPERATURE DEG C .1 | -500 | | 0500 |
| Z C | 70 | 1 0502 SALINITY FLAG | | | |
| Z C | 71 | 1 0618 | | | |
| N C | 72 | 3 ATMOSPHERIC PRESSURE MB .1 | 000 | | 999 |
| B C | 75 | 2 BLANK(S) | | | |
| N C | 77 | 4 SEQUENCE NUMBER 1. | 0001 | | 9999 |
| Z D | 11 | 5 STATION NUMBER | | | |
| N D | 16 | 5 DEPTH M .01 | 00000 | | 9999 |
| N D | 21 | 5 PRESSURE DB .01 | 00000 | | 9999 |
| N D | 26 | 3 TEMPERATURE DEG C .1 | -20 | | 300 |
| N D | 29 | 5 DEPTH M .01 | 00000 | | 9999 |
| N D | 34 | 5 PRESSURE DB .01 | 00000 | | 9999 |
| N D | 39 | 3 TEMPERATURE DEG C .1 | -20 | | 300 |
| N D | 42 | 5 DEPTH M .01 | 00000 | | 9999 |
| N D | 47 | 5 PRESSURE DB .01 | 00000 | | 9999 |
| N D | 52 | 3 TEMPERATURE DEG C .1 | -20 | | 300 |
| N D | 55 | 5 DEPTH M .01 | 00000 | | 9999 |
| N D | 60 | 5 PRESSURE DB .01 | 00000 | | 9999 |
| N D | 65 | 3 TEMPERATURE DEG C .1 | -20 | | 300 |
| Z D | 68 | 9 BLANK(S) | | | |
| N D | 77 | 4 SEQUENCE NUMBER | | | |
| Z E | 11 | 5 STATION NUMBER | | | |
| M E | 16 | 2 LAT DEG | 00 | | 89 |
| M E | 18 | 2 LAT MIN | 00 | | 59 |
| M E | 20 | 2 LAT SEC | 00 | | 59 |
| M E | 22 | 1 0500 LAT HEMISPHERE | | | |
| M E | 23 | 3 LON DEG | 000 | | 179 |
| M E | 26 | 2 LON MIN | 00 | | 59 |
| M E | 28 | 2 LON SEC | 00 | | 59 |
| C E | 30 | 1 0501 LON HEMISPHERE | | | |
| M E | 31 | 2 DATE YEAR | 70 | | 93 |
| M E | 33 | 2 DATE MONTH | 01 | | 12 |
| M E | 35 | 2 DATE DAY | 01 | | 31 |
| N E | 37 | 2 DATE HR | 00 | | 23 |
| N E | 39 | 2 DATE MIN | 00 | | 59 |
| N E | 41 | 3 ALTITUDE M .1 | 000 | | 100 |
| N E | 44 | 3 WIND SPEED M/SEC .1 | 000 | | 999 |
| N E | 47 | 4 WIND DIRECTION DEG .1 | 0000 | | 3599 |
| N E | 51 | 6 PRESSURE MB .01 | 089000 | | 1080 |
| N E | 57 | 4 TEMPERATURE DEG C .1 | -500 | | 0500 |
| C E | 61 | 4 0096 COMPASS DIRECTION | | | |
| B E | 65 | 11 BLANK(S) | | | |
| C E | 76 | 1 0503 POSITION DETERMINATION FLAG | | | |
| N E | 77 | 4 SEQUENCE NUMBER 1. | 0001 | | 9999 |
| Z F | 11 | 5 STATION NUMBER | | | |
| M F | 16 | 2 LAT DEG | 00 | | 89 |
| M F | 18 | 2 LAT MIN | 00 | | 59 |
| M F | 20 | 2 LAT SEC | 00 | | 59 |
| M F | 22 | 1 0500 LAT HEMISPHERE | | | |
| M F | 23 | 3 LON DEG | 000 | | 179 |
| M F | 26 | 2 LON MIN | 00 | | 59 |
| M F | 28 | 2 LON SEC | 00 | | 59 |
| C F | 30 | 1 0501 LON HEMISPHERE | | | |
| M F | 31 | 2 DATE YEAR | 70 | | 93 |
| M F | 33 | 2 DATE MONTH | 01 | | 12 |

| | | | | | |
|-----|----|----|----------------------------------|------|------|
| M F | 35 | 2 | DATE DAY | 01 | 31 |
| N F | 37 | 2 | DATE HR | 00 | 23 |
| | 39 | 2 | DATE MIN | 00 | 59 |
| N F | 41 | 5 | SPEED PLATFORM CM/SEC .1 | 0000 | 2000 |
| N F | 46 | 4 | DIRECTION DEG .1 | 0000 | 3599 |
| N F | 50 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 54 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 59 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| N F | 63 | 4 | DEPTH M .1 | 0001 | 9999 |
| N F | 67 | 5 | CURRENT SPEED CM/SEC .1 | 0000 | 2000 |
| N F | 72 | 4 | CURRENT DIRECTION DEG .1 | 0000 | 3599 |
| C F | 76 | 1 | 0503 POSITION DETERMINATION FLAG | | |
| N F | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |
| Z T | 11 | 5 | STATION NUMBER | | |
| Z T | 16 | 61 | TEXT | | |
| N T | 77 | 4 | SEQUENCE NUMBER 1. | 0001 | 9999 |

RECORDS READ : 229

STATIONS FOUND 1

END OF PRELIMINARY TEST

PROCEEDING WITH STATION NUMBER TEST

M,*,*,*

@FREE ISAM.

@ASG,A DNODC*TAXISAM.

@USE ISAM,DNODC*TAXISAM.

@ASG,T SORTOUT.,F///6000

@XQT DNODC*ABS\$.STATAX

M,*,*,*

L,2

STATION NUMBER SUMMARY

FOLLOWING STATION NUMBERS WERE DUPLICATED
TRACK

STATION NUMBERS

RECORD N

***** 0000 DUPLICATE STATIONS FOUND

*** NO TAXONOMY OR CAS CODES REPORTED ***

M,*,*,*,*

END OF RUN

@FREE ISAM.

@ED,R CDATE.F156TW6034

READ-ONLY MODE

ED 16R1D FRI-03/25/94-13:06:54-(2,)

EDIT

2:156TW6034B17815400000S0150000E523400S0564600E9202191200931031230800000000
 401:156TW6035B32811370000W1100000W384500S1044400W9307231200931031233200000000
 711:156TW6036B32812200000S0950000W184400S1034200W9307231200931031215400000000
 970:156TW6037B32813200000S0950000W301000S0990300W9307231200931031233300000000
 1248:156TW6038B32814330000S1150000W333500S1083800W9307232200931031233500000000
 1532:156TW6039B33833350000S0330000W331700S0140700W9303051200931031220600000000
 1796:156TW6040B33834350000S0250000W330100S0053700W9303061200931031215800000000
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| | 1:156TW6034A17815SPAR R. KOZAK | TOGA | SA AGULHAS | 1965 |
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| 6: | 156TW6034C17815523300S0564800E9310010532 | 10 | 099140 | 0000000103 |
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| 18: | 156TW6034C17815522600S0570000E9310020511 | 10 | 099480 | 00000004030 |
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| 152:156TW6034C17815523000S0595400E9310112351 | 13 | 098940 | 00000007050 |
| 153:156TW6034C17815522900S0595600E9310120132 | 13 | 099020 | 00000016050 |
| 154:156TW6034C17815522900S0595800E9310120318 | 13 | 099340 | 00000007030 |
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| 158:156TW6034C17815522700S0600700E9310121343 | 13 | 099980 | 00000013060 |
| 159:156TW6034C17815522800S0600900E9310121526 | 13 | 100120 | 00000016030 |
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| 182:156TW6034C17815523900S0604700E9310141323 | 16 | 099580 | 00000011050 |
| 183:156TW6034C17815523900S0604700E9310141444 | 16 | 099580 | 00000013050 |
| 184:156TW6034C17815523900S0604900E9310141502 | 16 | 099580 | 00000013040 |
| 185:156TW6034C17815523900S0604900E9310141625 | 16 | 099500 | 00000011080 |
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| 194:156TW6034C17815523700S0605600E9310150352 | 16 | 099880 | 0000001603 |
| 195:156TW6034C17815523600S0610600E9310151129 | 17 | 099540 | 00000016080 |
| 196:156TW6034C17815523500S0611000E9310151310 | 17 | 099540 | 0000001605 |
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| 198:156TW6034C17815523400S0611000E9310151449 | 17 | 099680 | 00000016030 |
| 199:156TW6034C17815523400S0611000E9310151603 | 17 | 099740 | 00000016030 |
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END ED. NO CORRECTIONS APPLIED

RUNID: D6034C ACCT: EG12008N3AV1 PROJECT: DNODC
 SORT: T/R= 8.1MS, IC= 21, OC= 21, BIA=SEQ.
 D6034C FIN
 TIME: TOTAL: 00:02:54.230 CBSUPS: 70054840
 CPU: 00:01:12.073 I/O: 00:00:50.797
 CC/ER: 00:00:51.360 WAIT: 00:00:00.200
 SUAS USED: 12.77 SUAS REMAINING: 685689070.79
 IMAGES READ: 35 PAGES: 74
 START: 12:57:22 MAR 25,1994 FIN: 13:07:02 MAR 25,1994

Password:

| accNo | fleA | refNo | proj | inst | ship | startDate | cruise | catId |
|---------|------|--------|------|------|------|------------|--------|--------|
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| 9300190 | F156 | TW6041 | 0168 | 313B | 32DB | 1993/10/01 | 17163 | 217544 |
| 9300190 | F156 | TW6042 | 0168 | 313B | 32DB | 1993/10/01 | 17164 | 217545 |
| 9300190 | F156 | TW6043 | 0168 | 313B | 32DB | 1993/10/01 | 17165 | 217546 |
| 9300190 | F156 | TW6044 | 0168 | 313B | 32DB | 1993/10/01 | 17166 | 217547 |
| 9300190 | F156 | TW6045 | 0168 | 313B | 32DB | 1993/10/01 | 17167 | 217548 |
| 9300190 | F156 | TW6046 | 0168 | 313B | 32DB | 1993/10/01 | 5131 | 217549 |
| 9300190 | F156 | TW6047 | 0168 | 313B | 32DB | 1993/10/01 | 1989 | 217550 |
| 9300190 | F156 | TW6048 | 0168 | 313B | 32DB | 1993/10/01 | 1973 | 217551 |
| 9300190 | F156 | TW6049 | 0168 | 313B | 32DB | 1993/10/01 | 1993 | 217552 |
| 9300190 | F156 | TW6050 | 0168 | 313B | 32DB | 1993/10/01 | 1970 | 217553 |
| 9300190 | F156 | TW6051 | 0168 | 313B | 32DB | 1993/10/01 | 17168 | 217554 |
| 9300190 | F156 | TW6052 | 0168 | 313B | 32DB | 1993/10/01 | 5130 | 217555 |
| 9300190 | F156 | TW6053 | 0168 | 313B | 32DB | 1993/10/01 | 5119 | 217556 |
| 9300190 | F156 | TW6054 | 0168 | 313B | 32DB | 1993/10/01 | 1994 | 217557 |
| 9300190 | F156 | TW6034 | 0168 | 313B | 32DB | 1993/10/01 | 1965 | 217537 |
| 9300190 | F156 | TW6035 | 0168 | 313B | 32DB | 1993/10/01 | 17170 | 217538 |
| 9300190 | F156 | TW6036 | 0168 | 313B | 32DB | 1993/10/01 | 17171 | 217539 |
| 9300190 | F156 | TW6037 | 0168 | 313B | 32DB | 1993/10/01 | 17172 | 217540 |
| 9300190 | F156 | TW6038 | 0168 | 313B | 32DB | 1993/10/01 | 17161 | 217541 |
| 9300190 | F156 | TW6039 | 0168 | 313B | 32DB | 1993/10/01 | 1974 | 217542 |

(21 rows affected)

Password:

| accNo | fleA | refNo | ship | staCnt | recCnt | startDate | endDate |
|---------|------|--------|------|--------|--------|-----------|----------|
| 9300190 | F156 | TW6040 | 32DB | 1 | 278 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6041 | 32DB | 1 | 283 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6042 | 32DB | 1 | 306 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6043 | 32DB | 1 | 317 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6044 | 32DB | 1 | 301 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6045 | 32DB | 1 | 340 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6046 | 32DB | 1 | 215 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6047 | 32DB | 1 | 248 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6048 | 32DB | 1 | 255 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6049 | 32DB | 1 | 269 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6050 | 32DB | 1 | 284 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6051 | 32DB | 1 | 282 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6052 | 32DB | 1 | 274 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6053 | 32DB | 1 | 249 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6054 | 32DB | 1 | 229 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6034 | 32DB | 1 | 399 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6035 | 32DB | 1 | 310 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6036 | 32DB | 1 | 259 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6037 | 32DB | 1 | 278 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6038 | 32DB | 1 | 284 | 93/10/01 | 93/10/31 |
| 9300190 | F156 | TW6039 | 32DB | 1 | 264 | 93/10/01 | 93/10/31 |

(21 rows affected)