ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9400021	TW6089	F156		313B	32DB	1965	01/01/94	01/25/94	1	270
9400021	TW6090	F156		313B	32DB	17170	01/01/94	01/31/94	1	294
9400021	TW6091	F156		313B	32DB	17171	01/01/94	01/31/94	1	255
9400021	TW6092	F156		313B	32DB	17172	01/01/94	01/31/94	1	269
9400021	TW6093	F156		313B	32DB	17161	01/01/94	01/31/94	1	281
9400021	TW6094	F156		313B	32DB	1974	01/01/94	01/31/94	1	254
9400021	TW6095	F156		313B	32DB	1979	01/01/94	01/31/94	1	282
9400021	TW6096	F156		313B	32DB	17163	01/01/94	01/31/94	1	283
9400021	TW6097	F156		313B	32DB	17164	01/01/94	01/31/94	1	290
9400021	TW6098	F156		313B	32DB	17165	01/01/94	01/31/94	1	312
9400021	TW6099	F156		313B	32DB	17166	01/01/94	01/31/94	1	294
9400021	TW6100	F156		313B	32DB	17167	01/01/94	01/31/94	1	340
9400021	TW6101	F156		313B	32DB	5131	01/01/94	01/31/94	1	200
9400021	TW6102	F156		313B	32DB	1993	01/01/94	01/31/94	1	253
9400021	TW6103	F156		313B	32DB	17168	01/01/94	01/31/94	1	278
9400021	TW6104	F156		313B	32DB	5130	01/01/94	01/31/94	1	194
9400021	TW6105	F156		313B	32DB	5119	01/01/94	01/14/94	1	92

17 4,441

ACCESSION NO. 9400021 FILETYPE F156 TW 6089-6105 TRACK NO. _____ PROJECT IDENTIFICATION TOGA

JAN 94 0168

TEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORD
ORIG. TAPE	2-21-94	FJM	D05181 (A01749)	1	80	4080	4488
DUPLICATE ~~TAPE~~ DAMUS DISK	3-8-94	↓	DNODC*9400021DAT. 1	1	80	4080	4485
REFORMATTED ~~TAPE~~ DAMUS DISK	3-10-94	↓	DNODC*JAN1560UT. 1	1	80	224	4441
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
PD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

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

February 17, 1994 F1804-02
DB3:94-0056
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 January 1994, recorded in the 156 tape format. The enclosure contains a list of stations that are on the tape.

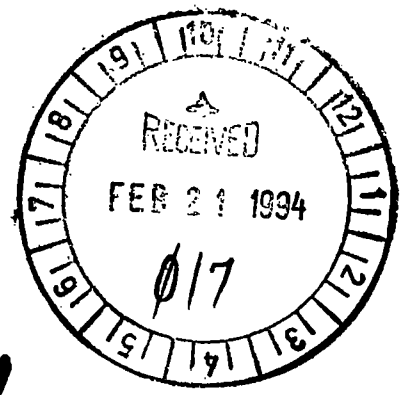
If you have any questions, please call B. G. Redmon at (601) 688-2834.

Sincerely,

Michael K. Burdette
Oceanographer
Data Systems Division

Enclosure

9400021
A01749
D05181



DRIFTING BUOYS ARCHIVED FOR JANUARY, 1994

17815
32811
[redacted]
32814
33833
33834
33838
33839
33840
33841
33842
53823
54802
54844
56801
56802

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.

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' ****

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	DDDMMSS PLUS HEMISPHERE 'E' OR 'W'		23
END POSITION:	POSITION AT PICKUP OR TERMINATION OF OBSERVATIONS		
LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'		31
LONGITUDE	DDDMMSS 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 FREQUENCY	XXXX-HOURS AND MINUTES - USE WHEN BUOY POSITIONS ARE REPORTED AT SPECIFIC TIME INTERVALS		70
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	DDDMMSS 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	SEA
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 PRESSURE TENDENCY	ONE-CHARACTER CODE - USE CODE 0618 (WMO CODE 0200)		71
NET CHANGE IN BAROMETRIC PRESSURE IN LAST 3 HRS.	XXX - MILLIBARS TO TENTHS		72
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	DDDMMSS 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.	10
DROGUE NUMBER	SEE RECORD 'A'	11
POSITION:		
LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	16
LONGITUDE	DDDMMSS 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

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Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 9400021 F156 TW6089 0168 313B 32DB    1994/01/01 1965          218265
 9400021 F156 TW6090 0168 313B 32DB    1994/01/01 17170         218266
 9400021 F156 TW6091 0168 313B 32DB    1994/01/01 17171         218267
 9400021 F156 TW6092 0168 313B 32DB    1994/01/01 17172         218268
 9400021 F156 TW6093 0168 313B 32DB    1994/01/01 17161         218269
 9400021 F156 TW6094 0168 313B 32DB    1994/01/01 1974          218270
 9400021 F156 TW6095 0168 313B 32DB    1994/01/01 1979          218271
 9400021 F156 TW6096 0168 313B 32DB    1994/01/01 17163         218272
 9400021 F156 TW6097 0168 313B 32DB    1994/01/01 17164         218273
 9400021 F156 TW6098 0168 313B 32DB    1994/01/01 17165         218274
 9400021 F156 TW6099 0168 313B 32DB    1994/01/01 17166         218275
 9400021 F156 TW6100 0168 313B 32DB    1994/01/01 17167         218276
 9400021 F156 TW6101 0168 313B 32DB    1994/01/01 5131          218277
 9400021 F156 TW6102 0168 313B 32DB    1994/01/01 1993          218278
 9400021 F156 TW6103 0168 313B 32DB    1994/01/01 17168         218279
 9400021 F156 TW6104 0168 313B 32DB    1994/01/01 5130          218280
 9400021 F156 TW6105 0168 313B 32DB    1994/01/01 5119          218281

(17 rows affected)
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Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 9400021 F156 TW6089 32DB 1      270    94/01/01   94/01/25
 9400021 F156 TW6090 32DB 1      294    94/01/01   94/01/31
 9400021 F156 TW6091 32DB 1      255    94/01/01   94/01/31
 9400021 F156 TW6092 32DB 1      269    94/01/01   94/01/31
 9400021 F156 TW6093 32DB 1      281    94/01/01   94/01/31
 9400021 F156 TW6094 32DB 1      254    94/01/01   94/01/31
 9400021 F156 TW6095 32DB 1      282    94/01/01   94/01/31
 9400021 F156 TW6096 32DB 1      283    94/01/01   94/01/31
 9400021 F156 TW6097 32DB 1      290    94/01/01   94/01/31
 9400021 F156 TW6098 32DB 1      312    94/01/01   94/01/31
 9400021 F156 TW6099 32DB 1      294    94/01/01   94/01/31
 9400021 F156 TW6100 32DB 1      340    94/01/01   94/01/31
 9400021 F156 TW6101 32DB 1      200    94/01/01   94/01/31
 9400021 F156 TW6102 32DB 1      253    94/01/01   94/01/31
 9400021 F156 TW6103 32DB 1      278    94/01/01   94/01/31
 9400021 F156 TW6104 32DB 1      194    94/01/01   94/01/31
 9400021 F156 TW6105 32DB 1      92     94/01/01   94/01/14

(17 rows affected)
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