

LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE  
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

NODC User Tape TR0035

"1" = File Header  
"2" = Station Header 1  
"3" = Station Header 2  
"4" = Data Record

GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Sequential

ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL  
☒ FORTRAN ☐ LANGUAGE

RESPONSIBLE COMPUTER SPECIALIST

NAME AND PHONE NUMBER \_\_\_\_\_

ADDRESS \_\_\_\_\_

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> .56</p>
<p>NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input checked="" type="checkbox"/> EBCDIC</p>
<p>PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>OMCS # = 11543</p>
<p>DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES BLKSIZE=4000,LRECL=80</p> <p>13. LENGTH OF BYTES IN BITS 8</p>

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GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

☐ PL-1    ☐ ALGOL    ☐ COBOL  
☒ FORTRAN    ☐ .    LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Michael Darnell (305) 361-3361 ext. 326  
 ADDRESS 15 Rickenbacker Cswy., Virginia Key, Miami, Florida

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p> <input checked="" type="checkbox"/> BCD    <input type="checkbox"/> BINARY  <input type="checkbox"/> ASCII    <input type="checkbox"/> EBCDIC  <input type="checkbox"/> _____                 </p> <p>6. NUMBER OF TRACKS (CHANNELS)</p> <p> <input checked="" type="checkbox"/> SEVEN  <input type="checkbox"/> _____                 </p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</p> <p> <input checked="" type="checkbox"/> 3/4 INCH  <input type="checkbox"/> _____                 </p> <p>10. END OF FILE MARK</p> <p> <input checked="" type="checkbox"/> OCTAL 17  <input type="checkbox"/> _____                 </p> <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>                     NODC 22 and NODC 52                      NODC 22 = &gt; 51 STD casts, MESA, N.Y.                                          Bight, 74/03/08-74/03/15                      NODC 52 = &gt; 31 STD casts, MESA, N.Y. Bight                                          74/05/06-74/05/13  <i>Originator 9003, 9004</i> </p> <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>168</p> <p>13. LENGTH OF BYTES IN BITS</p>
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☐ ODD  
☒ EVEN

8. DENSITY

☐ 200 BPI    ☐ 1600 BP  
☒ 556 BPI  
☐ 800 BPI  
☐ \_\_\_\_\_

	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
		NUMBER		
<u>File Header Record</u>				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"1" (File Header Record)
VESSEL	11	11	11A1	(left aligned)
CRUISE	22	6	6A1	Originator's cruise identifiers
CRUISE DATES	28	17	5(I2,A1), I2	XX/XX/XX-XX/XX/XX Beginning Month, Day, Year; ending Month, Day, Year.
SENIOR SCIENTIST	45	19	19A1	(left aligned)
INVESTIGATOR	64	17	17A1	Responsible Institution (left aligned)
<u>First Station Header Record</u>				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"2" (First Station Header Record)
SEQUENCE	11	3	I2	Sequence of this record type within Station. (Leading zeros or leading blanks)

STATION	14			On identifier	r.
LATITUDE	19	6	3I2	es, Minute	Seconds
LATHEM	25	1	A1	phere "N"	"S"
LONGITUDE	26			es, Minute	Seconds
LONHEM	33			phere "W"	"E"
TIME	34	3			
DATE	37	8		XX/XX/XX Sta	date; Month, Day, Year
BOTTOM	45	5	2,A 1*	Water Depth, meters	to %
NAVIGATION	50	2		(See attached co	
METHOD	52	1		"1" = STD; "2"	XB
blank	53	28		blank	

\*Decimal place is IMPLIED

not present.

FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
Record "2" Terminator				Optional; for those who must re-read their file using FORTRAN.
SEQUENCE	1	10	A3, 3I2, A1	
Blank	11	3	A3	"998" (constant)
	14	67	67X	blank
Second Station Header Record				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy., of file generation
RECORD TYPE	10	1	A1	"3" (Second Station Header Record)
SEQUENCE	11	3	I3	Sequence of this record type within Station (Leading zeros or leading blanks)
STATION	14	5	5A1	Station identifier
BAROMETER	19	3	F3.1*	Pressure in millibars
RY BULB	22	4	4.1*	Air temperature; degrees Celsius
ET BULB	26	4	4.1*	Air temperature; degrees Celsius
WIND DIRECTION	30	2	I2	WMO code 0877; tens of degrees
WIND SPEED	32	2	I2	Knots
SEA DIRECTION	34	2	I2	WMO code 0885; tens of degrees
SEA HEIGHT	36	1	A1	WMO code 1555
WELL DIRECTION	37	2	I2	WMO code 0885
WELL HEIGHT	39		A1	WMO code 1555
WEATHER	40	1	I1	WMO code 4501
CLOUD TYPE	41	1	A1	WMO code 0500
CLOUD COVER	42		I1	WMO code 2700
VISIBILITY	43		I1	WMO code 4300
TRANSPARENCY	44		F4.1*	SECCHI Disk Depth; meters
TURBIDITY CODE	48		I1	(see attached codes)
Blank	49		37X	blank

\* Decimal place is IMPLIED "period" is not present.

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN  (e.g., bits, bytes)	16. LENGTH in bytes	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
		NUMBER		
<u>Record Type "3" Terminator</u>				Optional for those who must re-read their files in FORTRAN. Same as "Second Station Header Record". "998" (constant) blank
IDENT	1	10	A3,3I2, A1	
SEQUENCE	11	3	A3	
blank	14	67	67X	
<u>Data Record</u>				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy., of file generation
RECORD TYPE	10	1	A1	"4" (Data Record)
SEQUENCE	11	3	I3	Sequence of this record type within Station. (Leading zeros or leading blanks)
STATION	14	5	5A1	Station identifier
DEPTH	19	4	F4.1*	Sample depth, meters <i>to 1/10</i>
TEMPERATURE	23	5	F5.3*	Water temp.; degrees Celsius
SALINITY	28	5	F5.3*	Salinity; parts per thousand
SIGMA-T	33	4	F4.2*	Sigma-T
TRANSMISSIVITY	37	3	F3.1*	Transmissivity; percent
PH	40	3	F3.2*	pH
EH	43	4	F4.2*	Eh
OXYGEN	47	4	F4.2*	Dissolved; ml./liter
AMMONIA	51	3	F3.1*	Microgram-atoms/liter
NITRITE	54	3	F3.2*	Microgram-atoms/liter
NITRATE	57	4	F4.2*	Microgram-atoms/liter
SILICATE	61	4	F4.2*	Microgram-atoms/liter
PHOSPHATE	65	3	F3.2*	Inorganic; µg-atoms/liter
SOLIDS	68	4	F4.2*	Suspended solids mg./liter
TURBIDITY	72	4	F4.2*	Turbidity; mg/liter
CHLOROPHYLL	76	5	F5.2*	Chlorophyll; mg/meter <sup>3</sup>
<u>Record Type "4" Terminator</u>				Optional; for those who must re-read their file using FORTRAN. Same as "Data Record". "998" = end station. "999" = end file blank
IDENT	1	10	A3,3I2,A1	
SEQUENCE	11	3	A3	
blank	14	67	67X	

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