

15-121
COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS

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

NODC User Tape TROU35

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Sequential

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

4. RESPONSIBLE COMPUTER SPECIALIST

NAME AND PHONE NUMBER _____

ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. 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</p> <p><input checked="" type="checkbox"/> .56</p>	
<p>6. 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</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> EBCDIC</p>	
<p>7. 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>USER</p>	
<p>8. 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</p> <p>BLKSIZE=4000, LRECL=80</p>	
		<p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>	

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
<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	5	5A1	Station identifier.
LATITUDE	19	6	3I2	Degrees, Minutes, Seconds
LATHEM	25	1	A1	Hemisphere "N" or "S"
LONGITUDE	26	7	I3,2I2	Degrees, Minutes, Seconds
LONHEM	33	1	A1	Hemisphere "W" or "E"
TIME	34	3	F3.1*	GMT in hours
DATE	37	8	2(I2,A1),I2	XX/XX/XX Station date; Month, Day, Year
BOTTOM	45	5	F5.1*	Water Depth, meters <i>To 1/10</i>
NAVIGATION	50	2	I2	(See attached codes)
METHOD	52	1	I1	"1" = STD; "2" = XBT
blank	53	28	28X	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 NUMBER	7 ATTRIBUTES (FORTRAN)	18. USE AND MEANING
Record Type "2" Terminator				Optional; for those who must re-read their file using FORTRAN.
IDENT	1	10	A3,3I2, A1	
SEQUENCE	11	3	A3	"998" (constant
blank	14	67	67X	blank

Second Station Header Record

FILE TYPE	1	3	A3	"004" (constant)
FILE DATE		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
DRY BULB	22	4	4.1*	Air temperature; degrees Celsius
WET 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
SWELL DIRECTION	37	2	I2	WMO code 0885
SWELL HEIGHT	39	1	A1	WMO code 1555
WEATHER	40	1	I1	WMO code 4501
CLOUD TYPE	41	1	A1	WMO code 0500
CLOUD COVER	42	1	I1	WMO code 2700
VISIBILITY	43	1	I1	WMO code 4300
TRANSPARENCY	44	4	F4.1*	SECCHI Disk Depth; meters
TURBIDITY CODE	48	1	I1	(see attached codes)
blank	49	37	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 NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
<u>Record Type "3" Terminator</u>				Optional for those who must re-read their files in FORTRAN.
IDENT	1	10	A3,3I2, A1	Same as "Second Station Header Record"
SEQUENCE	11	3	A3	"998" (constant)
blank	14	67	67X	blank
<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 $T_0 \%$
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; μ g-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 ³

*Decimal place is IMPLIED; 'period' is not present.

Special Codes

Water Physics and Chemistry

NAVIGATION

- 01 = Loran (mixed or unspecified)
- 02 = Radar and/or fixes
- 03 = Raydist without complications
- 04 = Raydist with errors, drifting, etc.
- 05 = Satellite
- 06 = Omega
- 07 = Loran A only
- 08 = Loran C only

TURBIDITY CODE

- 1 = Turbidometer; in JTU
- 2 = Transmissometer; in percent of light transmission over a 10 cm path.
- 3 = Fluorometer; suspended solids calibration

75-1210

NODC CR. 180035

CRUISE DATES SHIP STATIONS TEMP SALINITY SIGMA T PH EH OXYGEN AMMONIA NITRITE NITRATE SILICATE 0016 SOLIDS INCRG PO4

2	74 3 8	16	16	16	0	0	0	7	0	15	15	15	15	15	0
	RESEARCHER														
	N30+ W 70+														
2	74 3 9	35	35	35	0	0	0	7	0	13	13	13	13	13	0
	RESEARCHER														
	N40+ W 70+														
	74 5 8	16	16	16	0	0	0	11	0	16	16	16	16	16	0
	RESEARCHER														
	N30+ W 70+														
	74 5 6	15	15	15	0	0	0	15	0	15	15	15	15	15	0
	RESEARCHER														
	N40+ W 70+														

82 TOTAL STATIONS
4 CRUISES
35 MAX STATIONS/CRUISE
15 MIN STATIONS/CRUISE
20 AVG STATIONS/CRUISE