

103 IF(IABL.EQ.IAB) GO TO 104
PRINT 1031
STOP

104 IF(IABL.EQ.IABT) GO TO 105
PRINT 1041

STOP

105 IF(IACL.EQ.IAC) GO TO 106
PRINT 1051
STOP

106 IF(IACL.EQ.IACT) GO TO 107
PRINT 1061

STOP

107 IF(IDAYL.EQ.IDAY) GO TO 108
PRINT 1071
STOP

108 IF(IDAYL.EQ. IDAYT) GO TO 109
PRINT 1081

STOP

109 IF(MOL.EQ.MO) GO TO 110
PRINT 1091
STOP

110 IF(MOL.EQ.MOT) GO TO 111
PRINT 1101

STOP

111 IF(ISD.NE.0) GO TO 1131

ISD s ICD

AUNs1HF

SYM s1HC

GO TO 1132

1131 SYMs1HS

1132 PRINT7

ALASsLAS

ALOSsLOS

ALAMsFLOAT(LAM)+ALAS/60.

ALOMsFLOAT(LOM)+ALOS/60.

1188 PRINT 8

PRINT 9'AA'IAB'IAC'MO'IDAY'IYR'ISD'AUN'SYM'IHR'ITM'TMEW'LAD'ALAM'H

INS'LOD'ALOM'HEW'IWEATH'WS'WD'INSCD

PRINT 10'DCOD

Is0

CATsFLOAT(LAD)+ALAM/60.

CONsFLOAT(LOD)+ALOM/60.

IF(HNS.EQ.IN) GO TO 1133

CATs-CAT

1133 IF(HEW.EQ.IW) GO TO 1134

CONs-CON

1134 A(MP) s AA

A(MP+1)sIAB

A(MP+2)sIAC

A(MP+3)sIDAY

A(MP+4)sMO

A(MP+5)sIYR

A(MP+6)sIHR

A(MP+7)sCAT

A(MP+8)sCON

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A(MP+9)S MAX
A(MP+10)S INSCD
A(MP+11)S IWEATH
A(MP+12)S WS
A(MP+13)S WD
A(MP+14)S ISD
A(MP+15)S ITM
A(MP+16)S AUN
MPPS MP+20
MPXS MP+60
DO 114 Ls1' MAX
PRINT 6' IDEP(L)' QT(L)' QS(L)
A(MPP+L)S QS(L)
A(MPX+L)S QT(L)
114 CONTINUE
500 CONTINUE
STOP
4 FORMAT(1X'A2'I2'1X'I2'1X'I3'1X'2I2'I4'1X'I3'3(1X'I2)'A1'1X'I3'2(1X
1'I2)'A1'3(1X'I2)'1X'I3)
5 FORMAT(1X'A2'I2'1X'I2'A1'I1'I3'2I2'I4'I3'2X'2A1'10F5.3)
6 FORMAT(13X'I4'4X'F5.1'3X'F5.1)
7 FORMAT(1H1)
8 FORMAT(23X'8HNOAA-NOS)
9 FORMAT(11X'4HSTA 'A2'I2'1H-'I2'7H DATE 'I2'1H-'I2'1H-'I2/11X'3HSD
1 'I3'1X'A2'1X'A1'2X'5HHOUR 'I4'1X'3HTM 'I3'A1/11X'4HLAT 'I2'1H-'F6
2.3'A1'5H LON 'I3'1H-'F6.3'A1/11X'8HWEATHER 'I2'2X'5HWIND 'I2'7H KT
3 AT 'I3/11X'5HINST 'I2//)
10 FORMAT(11X'25H DEPTH TE1P SALINITY//11X'3H (*A2'20H) (DEG
1C) (PPT)///)
11 FORMAT(30X'10I5)
1011 FORMAT(1X*SECTION TYPE ON GP CARD NOT SAME AS ON SAL CARD*)
1021 FORMAT(1X*SECTION TYPE ON GP CARD NOT SAME AS ON TEMP CARD*)
1031 FORMAT(1X*SECTION NUMBER ON GP CARD NOT SAME AS ON SAL CARD*)
1041 FORMAT(1X*SECTION NUMBER ON GP CARD NOT SAME AS ON TEMP CARD*)
1051 FORMAT(1X*STATION NUMBER ON GP CARD NOT SAME AS ON SAL CARD*)
1061 FORMAT(1X*STATION NUMBER ON GP CARD NOT SAME AS ON TEMP CARD*)
1071 FORMAT(1X* DAY NUMBER ON GP CARD NOT SAME AS ON SAL CARD*)
1081 FORMAT(1X* DAY NUMBER ON GP CARD NOT SAME AS ON TEMP CARD*)
1091 FORMAT(1X* MONTH NUMBER ON GP CARD NOT SAME AS ON SAL CARD*)
1101 FORMAT(1X* MONTH NUMBER ON GP CARD NOT SAME AS ON TEMP CARD*)
END

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IN SITU PROGRAM

II

J0400'CM60000'T75'TP0. WARTHA OCEANOGRAPHY

COMMENT

EXECUTE.
EXIT.
DMP(0'60000)

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h
PROGRAM SALINE (INPUT'OUTP'IT'TAPE2'PUNCH)
DIMENSION QS(40)'QT(40)'A(2000)*IDEP(40)'LOC(4)'QX(7)
DATA (IXs1HX)'(ISs1HS)'(ICs1HC)'(INS1HN)'(IES1HE)'(IWs1HW)
DATA (DCODs2HFT)'(TMEWs1HW)
JOBS=205 JOBS=180
READ 11' (IDEP(LUM)'LUMs1'40)
DO 500 IJK s1*JOBS
JCT s 0
MP s 1
LLs 1
LU s LL + 9
READ 4'AAL'IABL'IACL'ICD'IDAYL'MOL'IYRL'MAX'LAD'LAM'LAS'HNS'LOD'LO
IM'LOS'HEW'IWEATH'INSCD'WS'WD
INSCDs2
100 READ 5'AA'IAB'IAC'AD'IE'ISD'IDAY'MO'IYR'IHR'ITM'AUN'ATP'(QS(L)'LsL
1L'LU)
101 READ 5' AAT'IABT'IACT'ADT'IET'ISDT'IDAYT'MOT'IYRT'IHRT'ITMT'AUNT'A
1TPT'(QT(L)'LsLL'LU)
115 READ 5' AAX'IABX'IACX'ADX'IEX'ISDX'IDAYX'MOX'IYRX'IHRX'ITMX'AUNX'A
1TPX'(QX(L)'LsLL'LU)
IF(AAL.EQ.AA) GO TO 102
PRINT 1011
STOP
102 IF(AAL.EQ.AAT) GO TO 103
PRINT 1021
STOP
103 IF(IABL.EQ.IAB) GO TO 104
PRINT 1031
STOP
104 IF(IABL.EQ.IABT) GO TO 105
PRINT 1041
STOP
105 IF( IACL.EQ.IAC) GO TO 106
PRINT 1051
STOP
106 IF(IACL.EQ.IACT) GO TO 107
PRINT 1061
STOP
    
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107 IF(IDAYL.EQ.IDAY) GO TO 108
PRINT 1071
STOP
108 IF(IDAYL.EQ.IDAYT) GO TO 109
PRINT 1081
STOP
109 IF(MOL.EQ.MO) GO TO 110
PRINT 1091
STOP
110 IF(MOL.EQ.MOT) GO TO 111
PRINT 1101
STOP
111 IF(AAL.EQ.AAX)GO TO 119
PRINT 1311
STOP
119 IF(IABL.EQ.IABX) GO TO 120
PRINT 1321
STOP
120 IF(IACL.EQ.IACX) GO TO 121
PRINT 1331
STOP
121 IF(IDAYL.EQ.IDAYX) GO TO 122
PRINT 1341
STOP
122 IF(MOL.EQ.MOX) GO TO 113
PRINT 1351
STOP
113 IF(ISD.NE.0) GO TO 1131
ISD s ICD
AUNsIHF
SYM s IHC
GO TO 1132
1131 SYMsIHS
1132 PRINT7
ALASsFLOAT(LAS)/60.
ALAMsFLOAT(LAM)+ALAS
ALOSsFLOAT(LOS)/60.
ALOMsFLOAT(LOM)+ALOS
PRINT8
PRINT 9'AA'IAB'IAC'MO'IDAY'IYR'ISD'AUN'SYM'IHR'ITM'TMEW'LAD'ALAM'H
1NS'LOD'ALOM'HEW'IWEATH'WS'WD'INSCD
PRINT 10' DCOD
CATsFLOAT(LAD)+ALAM/60.
CONsFLOAT(LOD)+ALOM/60.
IF(HNS.EQ.IN) GO TO 1133
CATs-CAT
1133 IF(HEW.EQ.IW) GO TO 1134
CONs-CON
1134 A(MP) s AA
A(MP+1) s IAB
A(MP+2) s IAC
A(MP+3) s IDAY
A(MP+4) s MO
A(MP+5) s IYR
A(MP+6) s IHR

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A(MP+7) sCAT
A(MP+8) sCON
A(MP+9) sMAX
A(MP+10) sINSCD
A(MP+11) sIWEATH
A(MP+12) sWS
A(MP+13) sWD
A(MP+14) sISD
A(MP+15) sITM

A(MP+16) sAUN

MPP sMP+20

MPX sMP+60

DO 114 Ls1 MAX

PRINT 6 IDEP(L) QS(L) QT(L) QX(L)

A(MPP+L) sQS(L)

A(MPX+L) sQT(L)

114 CONTINUE

500 CONTINUE

STOP

4 FORMAT(1X'A2'I2'I1X)'I3'I1X'2I2'I4'I1X'I3'3(1X'I2)'A1'I1X'I3'2(1X'I2
1)'A1'3(1X'I2)'1X'I3)

5 FORMAT(1X'A2'I2'I1X'I2'A1'I1'I3'3I2'I4'I3'2X'2A1'10F5.3)

6 FORMAT(12X'I4'4X'F5.1'3X'F5.1'3X'F5.1)

7 FORMAT(1H1)

8 FORMAT(23X'8HNOAA-NOS)

9 FORMAT(11X'4HSTA 'A2'I2'1H-'I2'7H DATE 'I2'1H-'I2'1H-'I2/11X'3HSD
1 'I3'I1X'A2'I1X'A1'2X'5HHOUR 'I4'I1X'3HTM 'I3'A1/11X'4HLAT 'I2'1H-'F6
2.3'A1'5H LON 'I3'1H-'F6.3'A1/11X'8HWEATHER 'I2'2X'5HWIND 'I2'7H KT

CARD*)

CARD*)

CARD*)

CARD*)

CARD*)

CARD*)

END