## REVISION NOTICE TABLE

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| DATE | DESCRIPTION OF REVISION |
| 16-Jan-2014 | The CTD files were bin averaged at 0.1 m intervals since the original files had not been bin averaged and contained duplicated pressure records. J.L.  |

Processing Notes April 20, 1996

 Cruise 95-42

 Dec 12 - Dec 14, 1995

Location: Barkley Sound, Nootka Sound

Project: Laperouse

Chief Scientist: Rick Thomson

Processed by: Joe Linguanti

There were 36 raw files of which 20 were processed. The others were either

upcasts, missing or aborted casts.

Very little editing was needed as the data was fairly clean. The CTD

vs. bottle salinity comparion revealed that the salinity values

shifted after cast 7 by approximately .2 ppt. This could of been

caused as a result of the CTD hitting bottom as the water depth was

quite shallow in this area.

The files in the archive are not meter averaged as a higher resolution

was desired for the working set since the area is a shallow inlet.

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 INSTRUMENT SUMMARY

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 The Following Instrument Was Used:

 Instrument Type : Guildline WOCE CTD

 Instrument Serial Number: 59,901

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 PROCESSING SUMMARY

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1. Calibrations (program CALIB)

 Guildline WOCE CTD calibrations from Dec 3, 1995 were used.

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 PRESSURE 10 3 .0 1.0 .0

 TEMPERATURE 10 3 -.593725E+01 .389170E-04 .482290E-13

 CONDUCTIVITY\_RATIO 63 3 -.519000E-03 .169180E-05 .288885E-16

 TEMPERATURE:THERMISTOR1 34 6 .3592744E+04 -.6542941E-01 .1017114E-02

 .2943959E-03 .1568311E-06 .930000E-02

 TEMPERATURE:THERMISTOR2 34 6 .3629344E+04 -.766553E-01 .1045541E-02

 .2903017E-03 .1588842E-06 .910000E-02

2. Despiking (first pass) (program DESPIKE)

 - the following parameters were used for all casts:

 DESPIKE TABLE

 Channels FIT OVER- MIN MAX MIN MAX SPIKE

 WIDTH LAP VALUE VALUE STDDEV STDDEV TOL

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 Pressure 11 2 0.0 300.0 0.10000 999.00 3.50

 Temperature 11 2 0.0 20.0 0.01000 999.00 3.50

 Conductivity 11 2 0.0 1.0 0.00100 999.00 3.50

3. Time compensation (program TIMECOMP)

 - the following input was use for the Guildline WOCE CTD

 temperture distance (m) = 0.04 sample period (sec) = 0.04

4. Swell Removal (program DELETE)

 - the following parameters were used for all casts:

 Surface records removed using last pressure minimum method

 Surface pressure max (relative): 10.0

 Pressure tolerance: 0.5

 Pressure channel filtered using filter size of 5

 Swells were deleted

 Slow drop rate NOT removed

5. Editing

 - Used program CTDEDIT to edit temperature, salinity and transmissivity

 channels where needed.

6. Bottle corrections

 The bottle salinities were compared with the BOT files and it was determined

 that somwhere between cast 7 and 9 the conductivity sensor shifted by

 approximately .2 ppt. Therefore there were 2 sets of corrections applied

 to these casts.

 for casts 1-7 the correction applied to salinity was

 corrected salinity = salinity + (-.5660089E-03 -7.603578E-06\*pressure)

 for casts 8-37 the correction applied to salinity was

 corrected salinity = salinity + (-.1541501E-00 -3.239068E-04\*pressure)

9. Particulars

 cast 17 - salinity deleted as values were to high.

 cast 36 - salinity was padded in the upper 10 dbars as values were

 to low

10. Data archived on tapes DLT011 and DLT012