Cruise: 1978-91

Chief Scientist: Grant Gardner

Ship: Parizeau

Region: BC Inlets

No project name known

Dates: October 20, 1978 to October 25, 1978

Data were prepared for the archives by: Germaine Gatien

Date of Preparation of file for archive: 5 December 2014

**Summary of Original Data Available**

These data were originally collected by the Ocean Ecology group with the cruise number 78/7. When the data were prepared for the OSD Data Archive the cruise name was changed to 1978-91 because cruise number 1978-07 was already assigned to another cruise in the archive.

The data were available in a spreadsheet (Hydrography 7891.xlsx) that included position, time, station name, sample numbers, depth, a single temperature reading and bottle salinity.

No original hydro data sheets were found, but Bridge Log sheets and salinity analysis sheets were available as well as net haul logs. Checks of a few values found perfect correspondence between the salinity sheets and the spreadsheet entries.

**PROCESSING STEPS**

Some reformatting and simplification was applied to the spreadsheet data. The date was derived from the separate hour, month and day entries using the formula for DATE.

The latitudes and longitudes were derived in decimal format from degrees and minutes.

A 6-line header was added, entering N in the top row for data that are to go in the headers only except for time and date which were left to enable calculation of the start time.

The spreadsheet was converted to BOT files.

CLEAN was used to derive a Start and Stop Time.

REMOVE was used to remove TIME and DATE channels.

Track plots (1 with event #s and 1 with station names) were produced and added to this report.

Page plots were examined on screen and the only questionable features were near the surface of the Queen Charlotte Strait stations. This was the only area with fairly strong winds and well-mixed surface waters. There are features that are unstable in T-S space, but they are due to small reversals in salinity. Most of the reversals are ~0.01psu, so likely within the accuracy of the analysis, but the largest (0.274psu) looks unreliable and was replaced with a pad value. A note was placed in the header to explain the change.

Head Edit was used to add comments and to remove the END Time and ZERO Time from the headers. The final files were named \*CHE.

A cross-reference list was produced.

The Header Check turned up no problems. The Standards Check found no significant problems, only a non-standard depth format which was a deliberate choice.

