

# April 2016

- A least squares linear regression was applied to the bottle salinity to verify the salinity data. Outliers were removed by means of a standard error calculation, and two iterations of this standard error removal of outliers was applied.
- A reference line with a slope of 1 and an intercept of 0 was applied to the resultant graph to determine whether profile data needed to be corrected to the linear regression equation. The reference line was outside the data and standard error plotted and the data was thus corrected.
- The linear regression is shown below, and captured in the .nc files for this CTD cruise data.

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2 iterations

