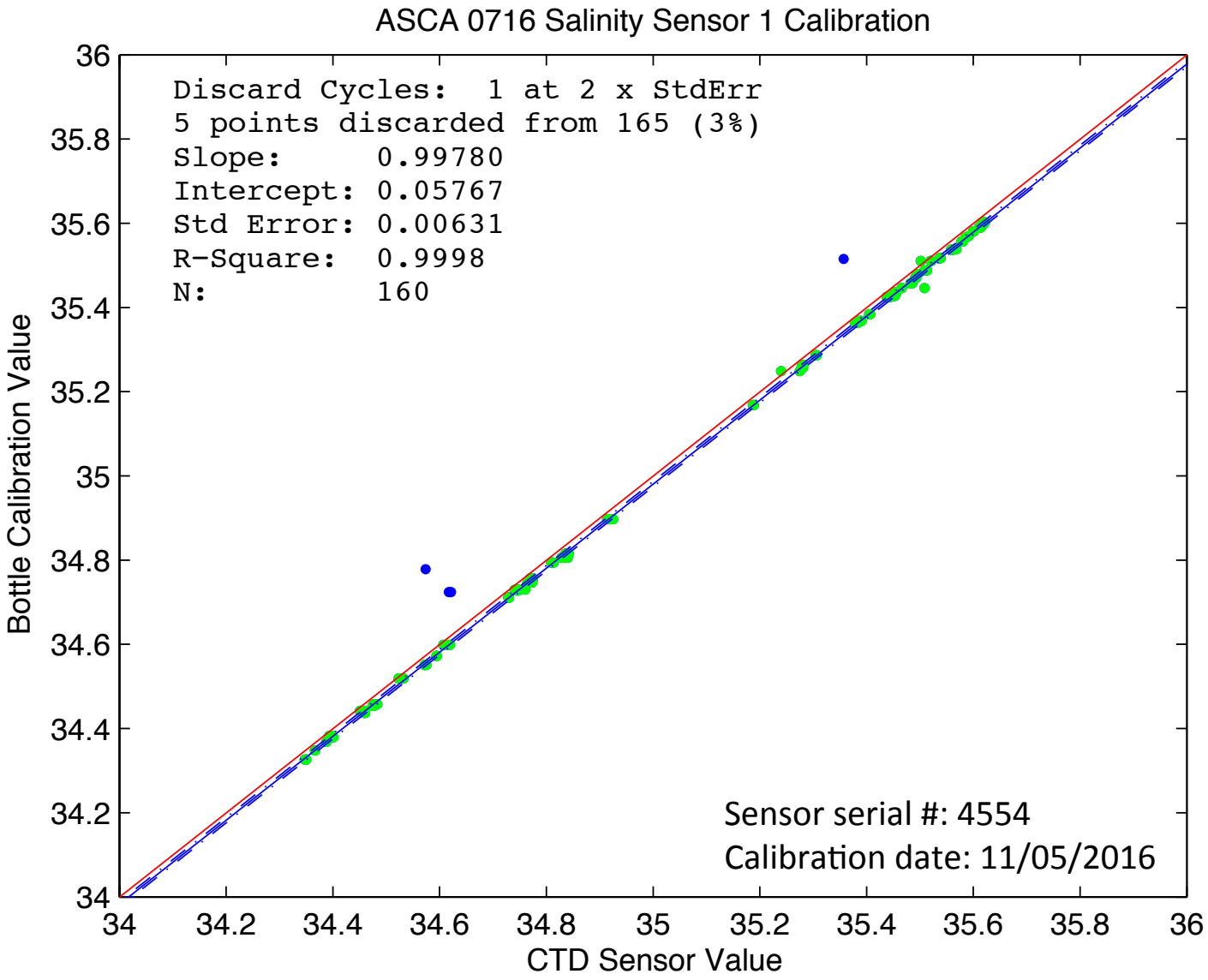
July 2016

- A least squares linear regression was applied to both the bottle salinity and Winkler titrations to verify the salinity and dissolved oxygen sensors respectively. Note, two conductivity cells were installed for this cruise, so two corrections for salinity are shown. Outliers were removed by means of a standard error calculation, and for both the salinity and calibrations, only one iteration, and for dissolved oxygen, 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. All three sets of data were corrected as per the linear regressions.
- The linear regressions are shown below, and captured in the .nc files for this CTD cruise data.

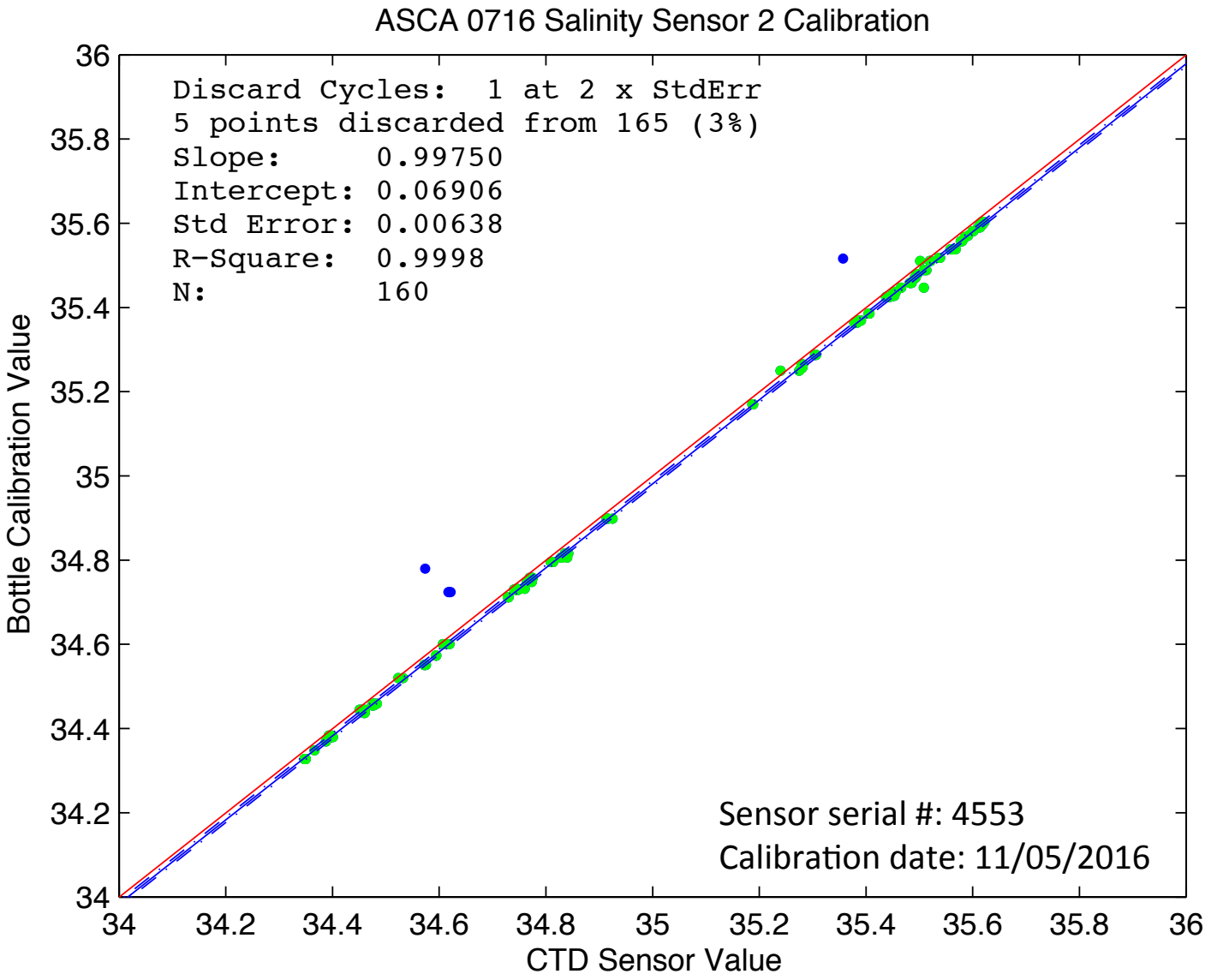
July 2016

1 iteration



July 2016

1 iteration



July 2016

2 iterations