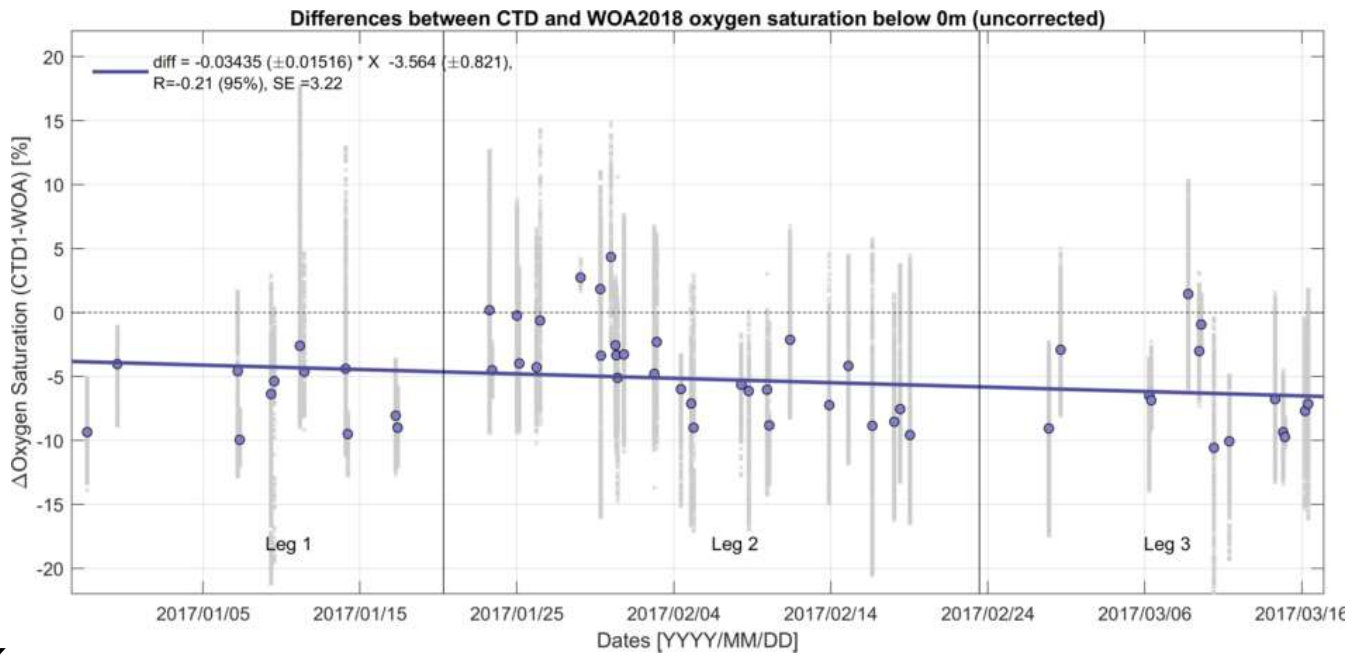
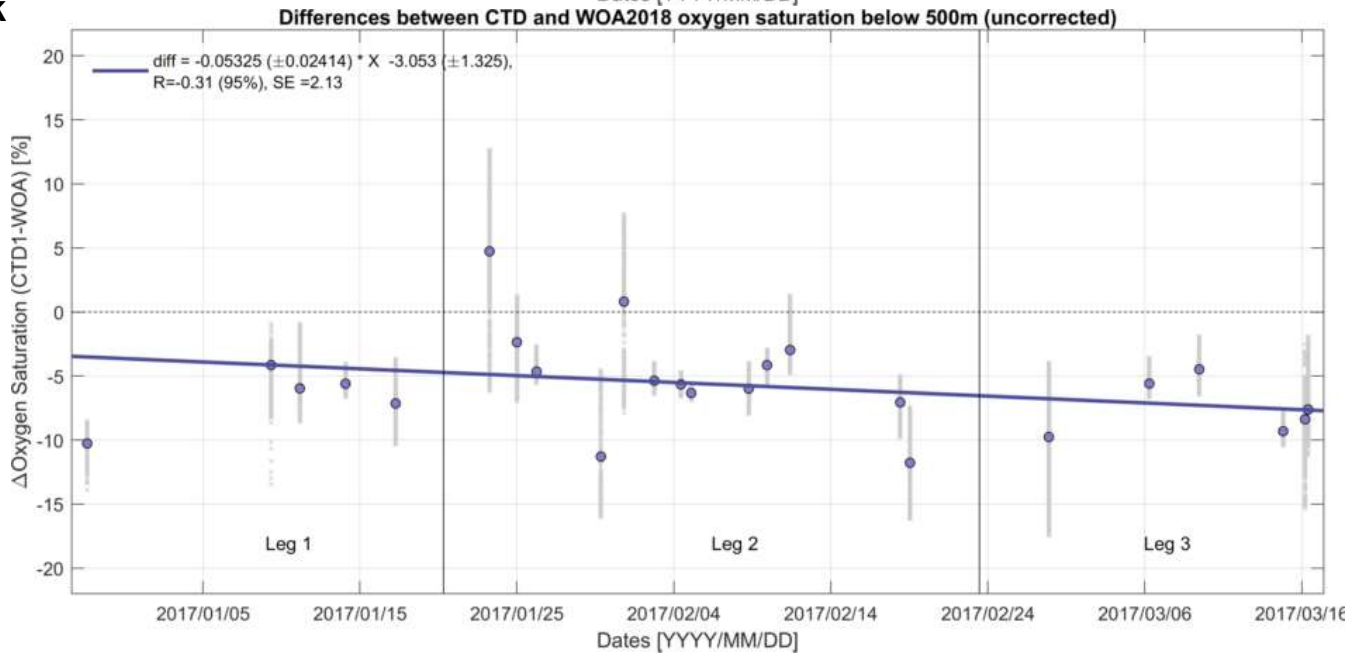
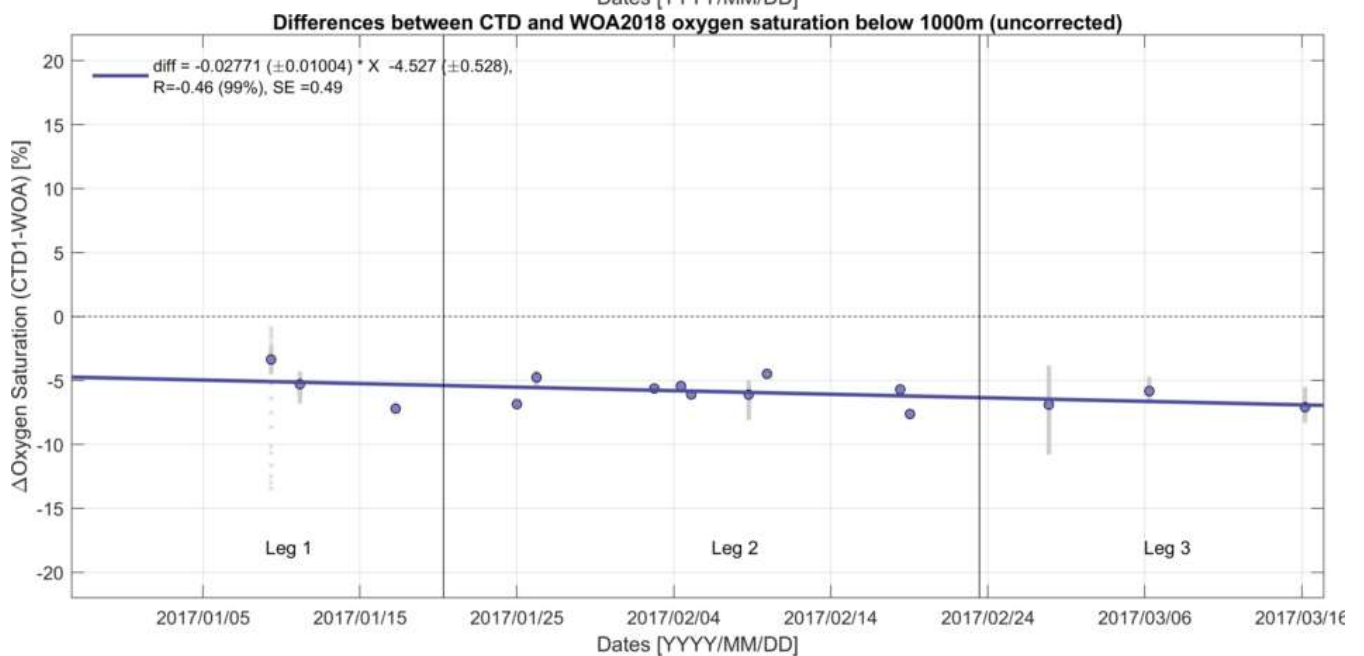
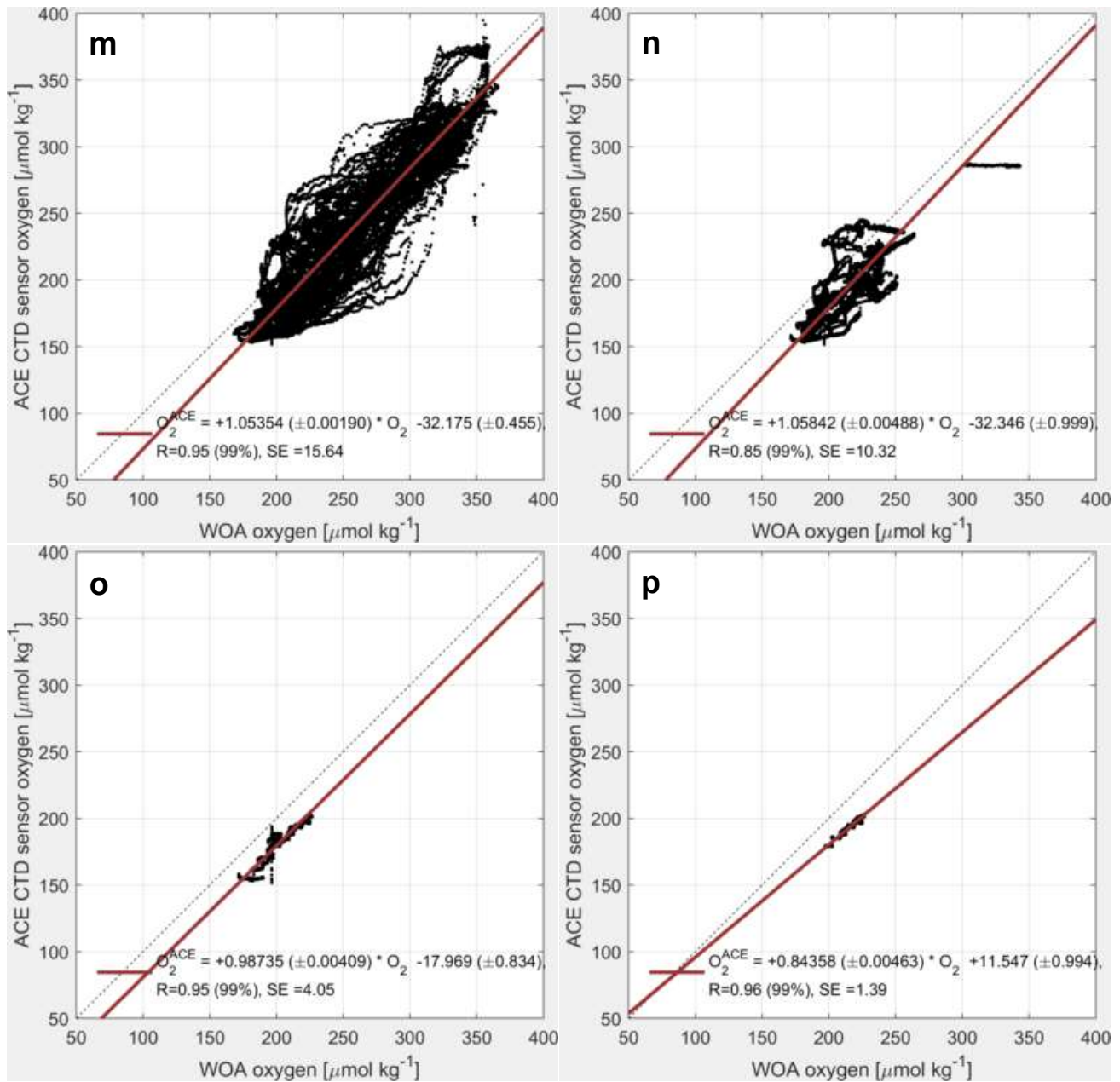


**j****k****l**



**Figure 3: CTD temperature, salinity, and dissolved oxygen comparison to World Ocean Atlas 2018 (WOA18).** (a,b,c) In-situ temperature difference between published CTD data (sensor 1) and WOA2018 (Locarnini et al., 2018) below 0 m, 500 m, and 1000 m, respectively. (d,e,f) Practical salinity difference between published CTD data (sensor 1) and WOA2018 (Zweng et al., 2018) below 0 m, 500 m, and 1000 m, respectively. (g,h,i) Dissolved oxygen difference between published CTD data and WOA2018 (Garcia et al., 2018) below 0 m, 500 m, and 1000 m, respectively. (j,k,l) Oxygen saturation difference between published CTD data and WOA2018 (Garcia et al., 2018) below 0 m, 500 m, and 1000 m, respectively. (m,n,o,p) Dissolved oxygen of CTD sensor versus WOA2018 (Garcia et al., 2018) below 0 m, 500 m, 1000 m, and 1500 m, respectively. Note that oxygen data in the current version has not been post-cruise corrected and a correction needs to be applied when using the data. Difference show the value of the sensor minus WOA2018. Single data points are shown as gray crosses (or black dots in m-p), averages of one cast as blue dots, and linear regression lines as blue/red lines. The results of the regression analyses are displayed in the figure legends. Vertical black lines denote the end of legs 1 and 2, respectively.