Case examples for removal of advection effects on DO measurements

Marcus W. Beck

July 15, 2014

1 Overview

Four stations from the SWMP database were chosen as case examples for evaluating effectiveness of weighted regression to detide the DO signal. Stations were chosen to represent unique combinations of relatively high or low tidal range and high or low production range.
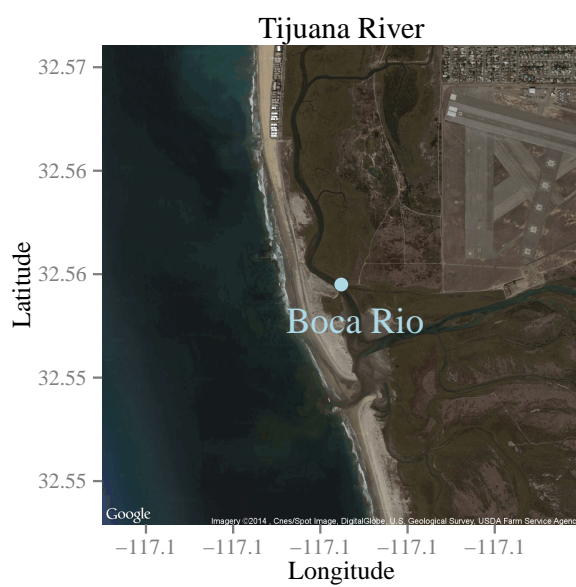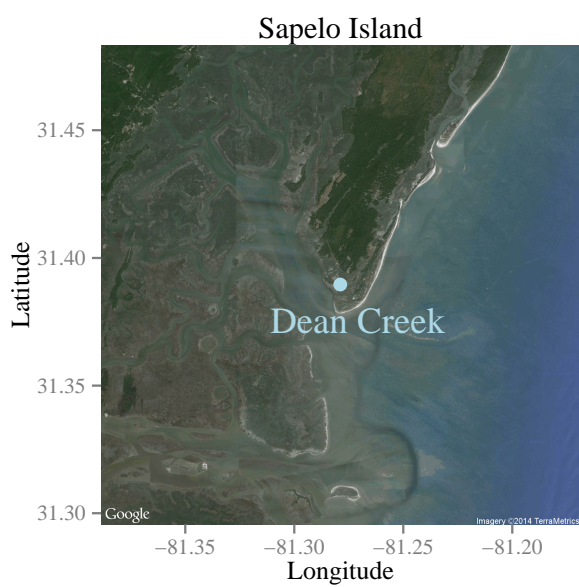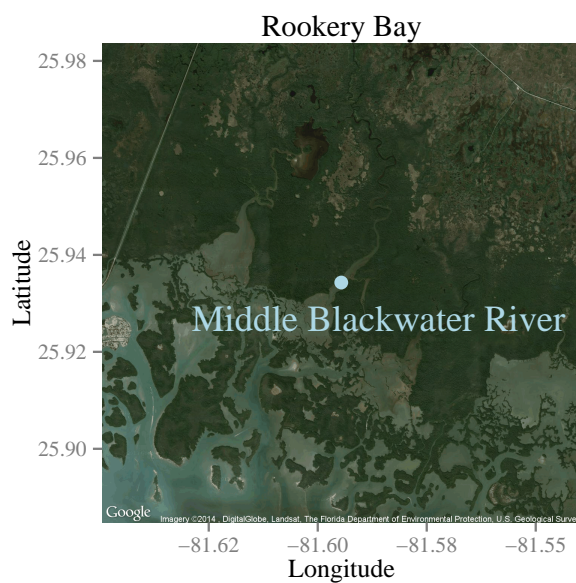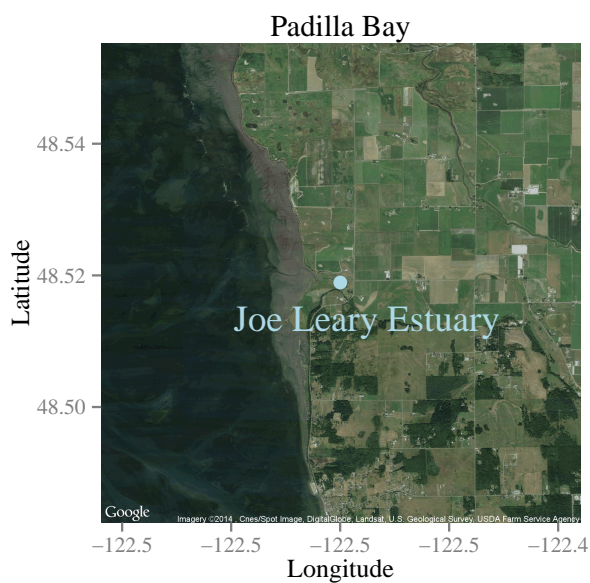
Figure 1: Satellite view of each case. KACHD: low DO/high tide, PDBBY: high DO/high tide, MARMB: low DO/low tide, WKBFR: high DO/low tide.
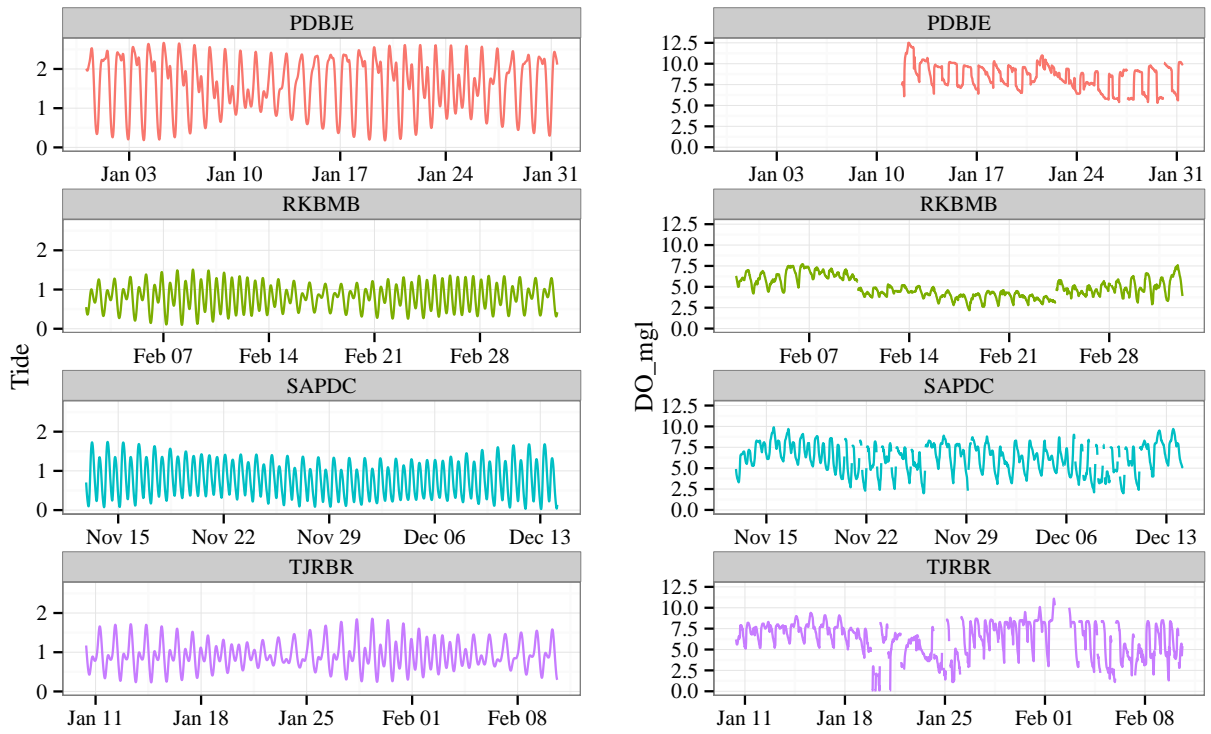
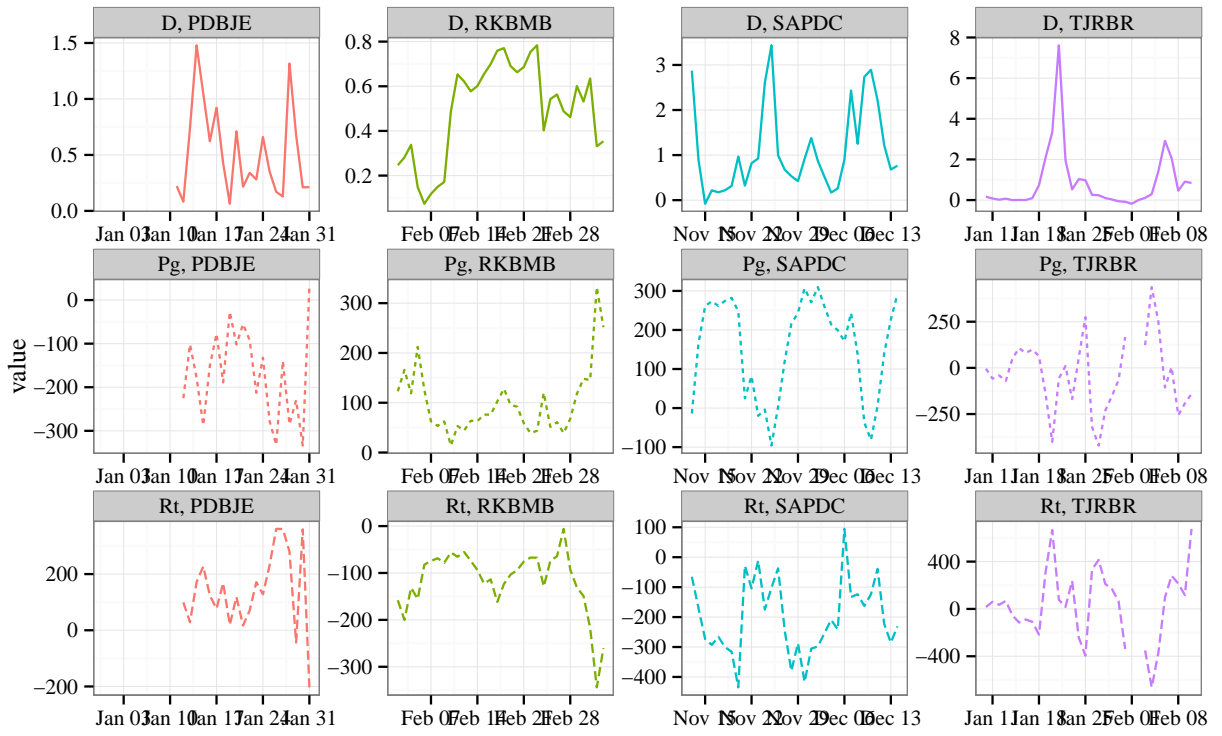Figure 2: KACHD: low DO/high tide, PDBBY: high DO/high tide, MARMB: low DO/low tide, WKBFR: high DO/low tide

Figure 3: Metabolism for each station