

The figure consists of six vertically stacked panels, each representing a different time segment of the residual elevation data for Weymouth in March 2006. The y-axis for all panels ranges from -0.4 to 0.4. The x-axis shows dates and times, with labels like '0:', '12:', and '0:' indicating the start of a day. The panels are labeled with dates: March 1, March 8, March 15, March 22, March 29, and April 1. Each panel displays a fitted curve (solid line) and data points (red diamonds and black plus signs). The residuals show a clear diurnal cycle, with peaks and troughs occurring at regular intervals. The overall trend of the residuals is relatively stable, with some minor fluctuations in the amplitude of the diurnal cycle over the month.

Sample size: 369  
Correlation coefficient: 0.894  
Mean Error: -0.03  
Standard deviation of error: 0.077  
Coefficients: 0.031    0.958  
RMS error: 0.083

Sample size: 28  
Correlation coefficient: 0.953  
Mean Error: -0.03  
Standard deviation of error: 0.062  
Coefficients: 0.029    0.843  
RMS error: 0.069