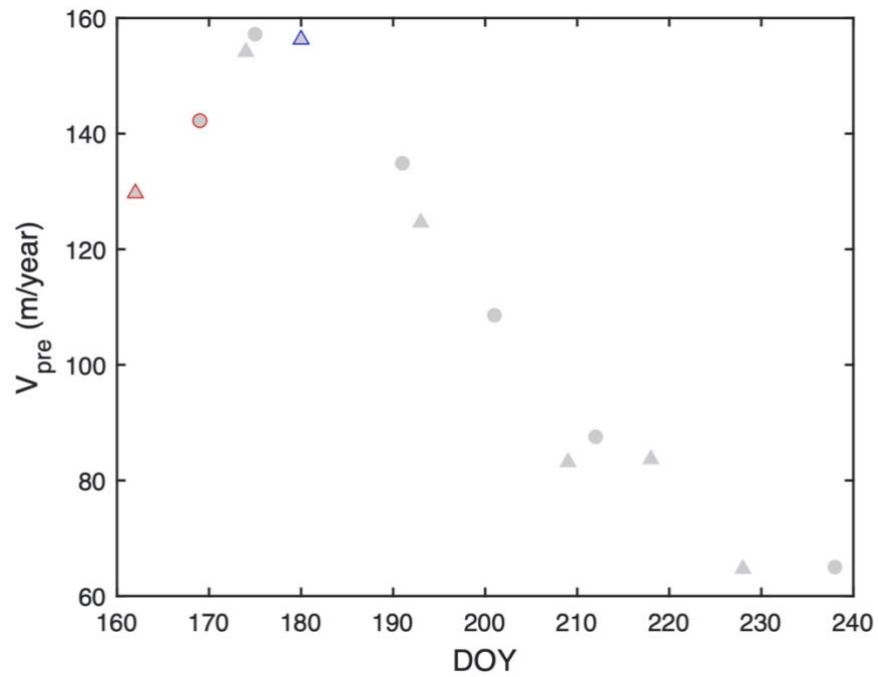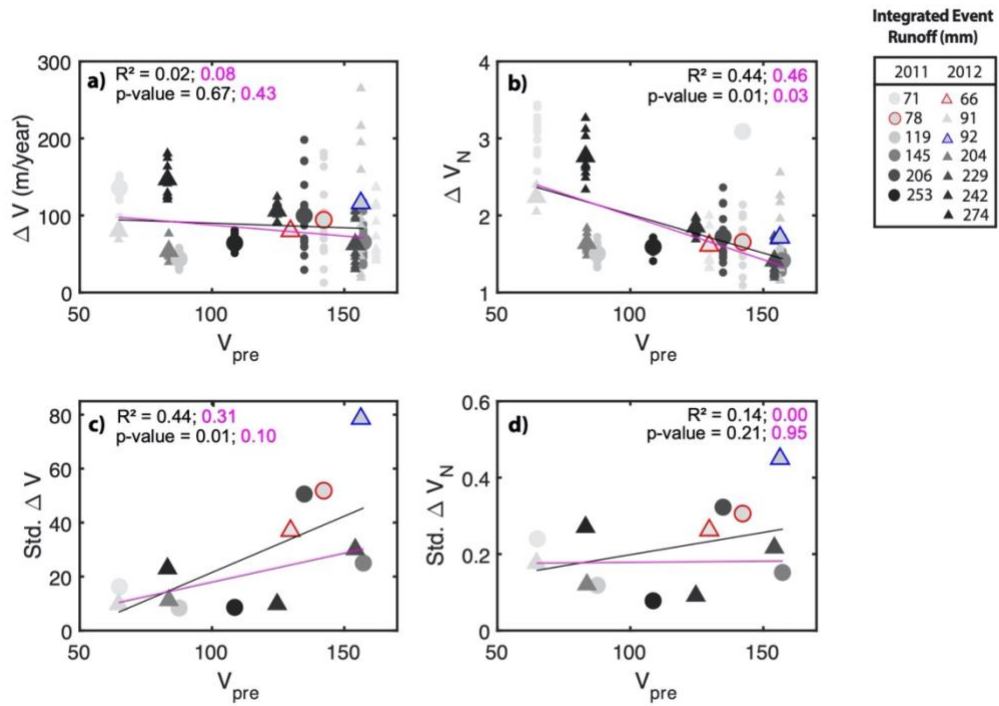745   **Figure S1.** Pre-event velocity (V_{pre}) versus day of year (DOY). Circles and triangles show events in 2011 and 2012, respectively. The red-outlined symbols show the North Lake drainage events. The blue-outline symbols show the neighboring lake drainage event on 2012/180.

Figure S2. Velocity response **(a)** ΔV and **(b)** ΔV_N, as a function of V_{pre}. Circles and triangles show events in 2011 and 2012, respectively. Individual, smaller symbols in panels a and b show individual GPS stations. Larger symbols show the average value across all stations per event. Colors darken with integrated event runoff (mm) the lightest grey color indicating less runoff and the darkest black color representing the greatest runoff. The red-outlined symbols show the North Lake drainage events. The blue-outline symbols show the neighboring lake drainage event on 2012/180. Standard deviation of **(c)** ΔV and **(d)** ΔV_N, as a function of V_{pre}. Linear fits of all events (black lines) and regional events only (magenta lines) are displayed for all panels, with associated R-squared and p-values shown in panel corners. Note the trend similarity to Figure 7.