Supporting Information for

Technical Note: Testing the Connection Between Hillslope Scale Runoff Fluctuations and Streamflow Hydrographs at the Outlet of Large River Basins

Ricardo Mantilla[1], Morgan Fonley[2], and Nicolás Velasquez[3]

[1]Department of Civil Engineering, University of Manitoba, Winnipeg, MB, Canada
[2]Alma College, Alma, MI, USA
[3]Iowa Flood Center, University of Iowa, Iowa City, IA, USA

Correspondence to: Ricardo Mantilla (ricardo.mantilla@umanitoba.ca)

Contents of this file

Figures S1 to S3
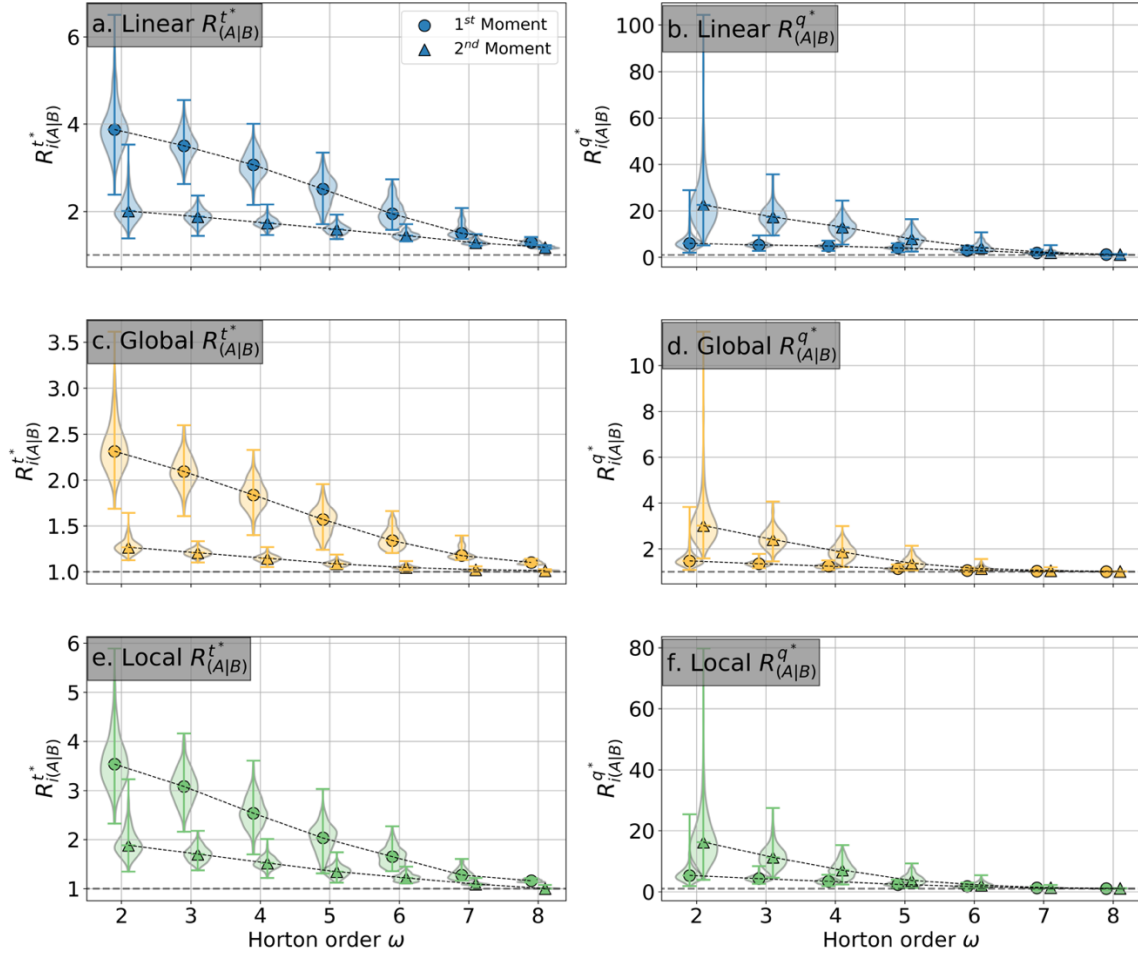
Figure S1. Convergence of hydrographs to a common hydrograph for all links in the river network. The Violin plot represent the distribution of moment ratios for time (t*) on the left panels and discharge (q*) on the right panels for hydrographs at the outlet of catchments of different Horton Order in the basin.
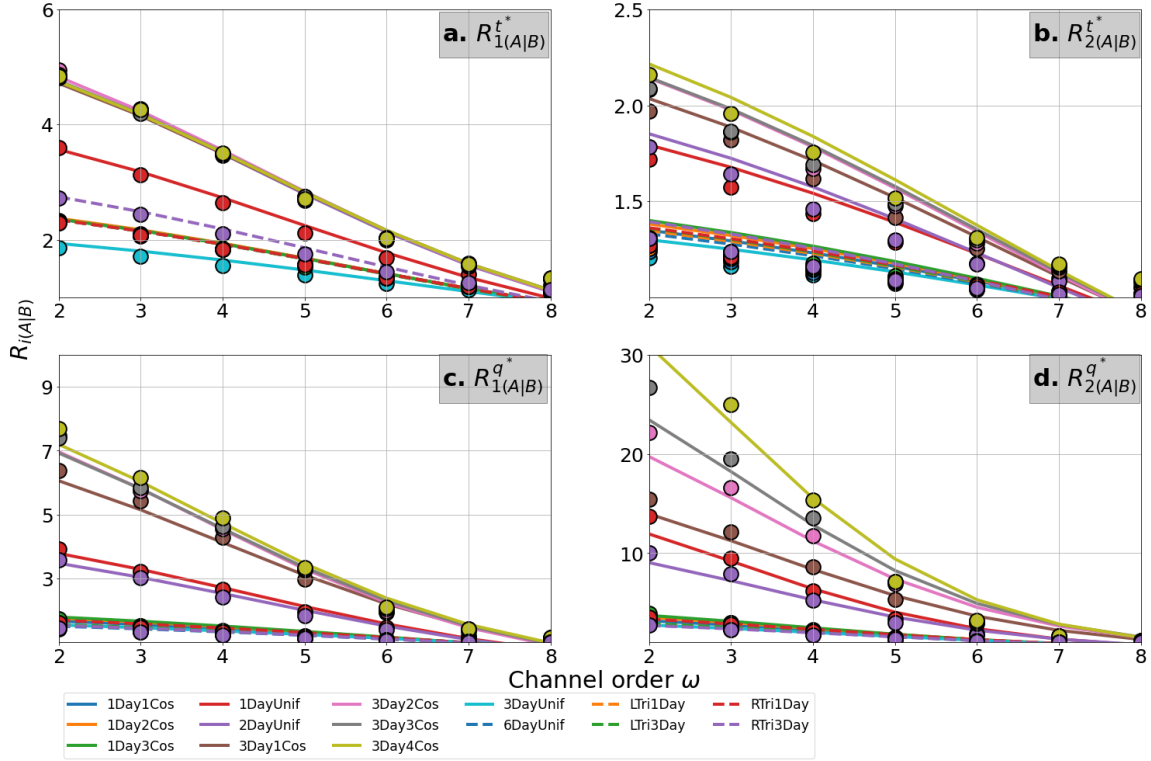
Figure S2. Convergence of moments to the Dirac case using global self-similar non-linear routing.
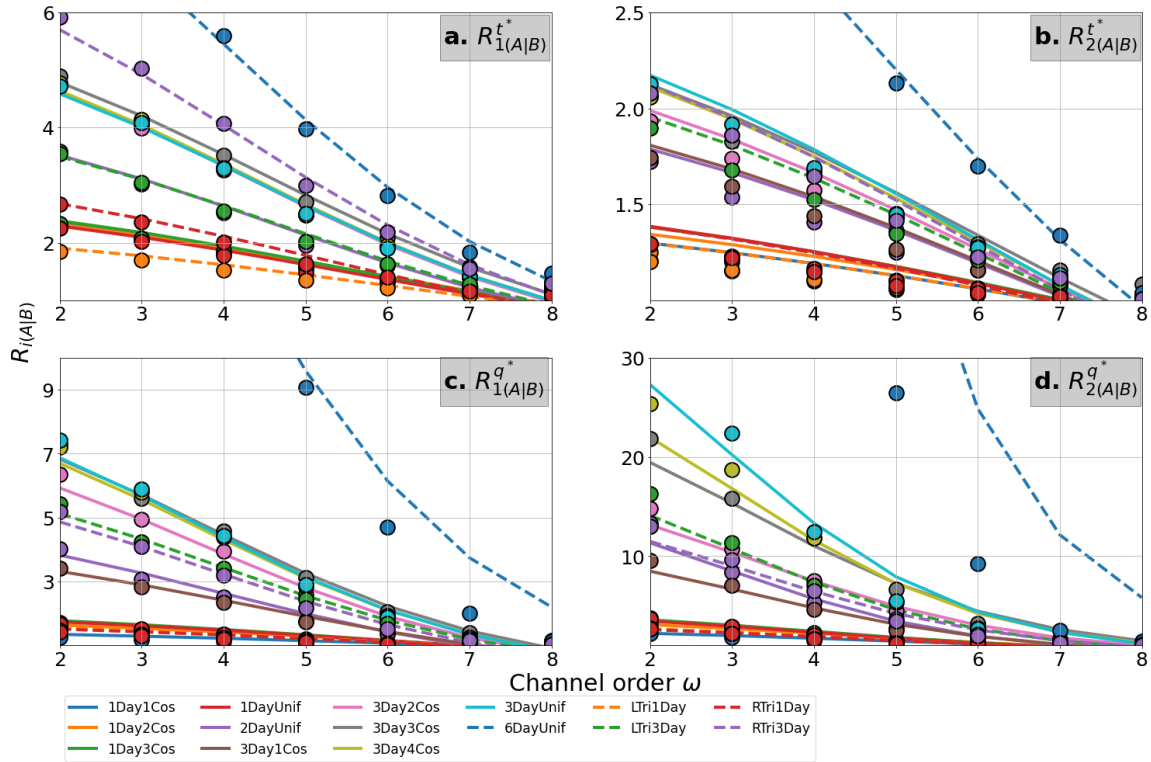
Figure S3. Convergence of moments to the Dirac case using local self-similar non-linear routing.