



Figure 2: Return periods across different durations (top) and hyetographs (bottom) for observed events and 100-y design storms in Zurich (Switzerland).

- precipitation volumes across different duration intervals within precipitation events.

of intensity-duration.







samples can be generated from the multivariate joint distribution.

We compared design storms from standard methods with design storms that reproduce observed intensity-duration dependencies:

- storm volume is on average
- the relative difference in peak storm intensity is on average

Time [min]