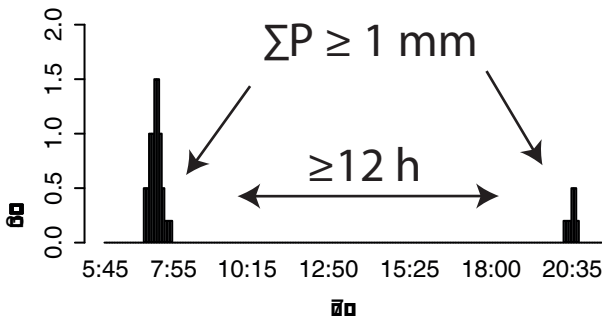


Rainfall event definition



32025 events classified
 -1392 events (threshold)
 -426 event ($T < 0^{\circ}\text{C}$)

30207 P events

Soil moisture criteria

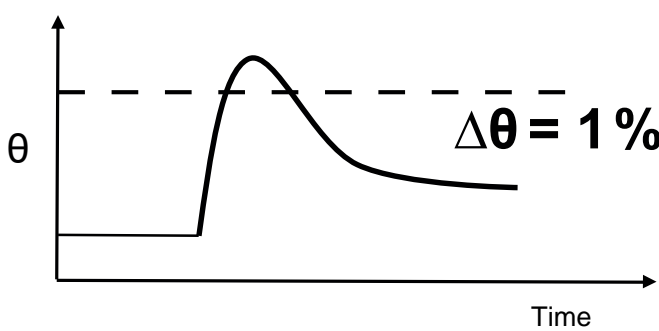
$\theta > \theta_{\text{sat}}$

-226 events (consistency criterion)

$\theta > \theta_{\text{sat}}$

8250 infiltration events

Infiltration event classification



NC

$\Delta\theta < 1\%$
 R U
 10 cm only

SR

Comparison with
 matrix flow

→ **Fast PF**

NSR

$\theta > \theta_{\text{sat}}$

Analysis:

Spatial: grouping profiles to landscape units

Temporal: θ and P