

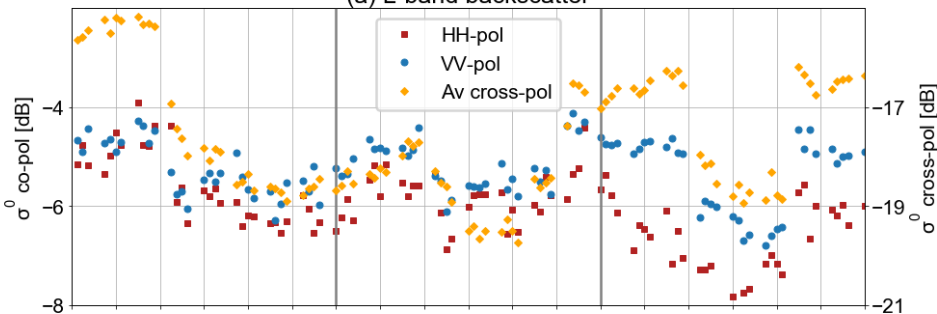
Capturing sub-daily vegetation water dynamics with radar

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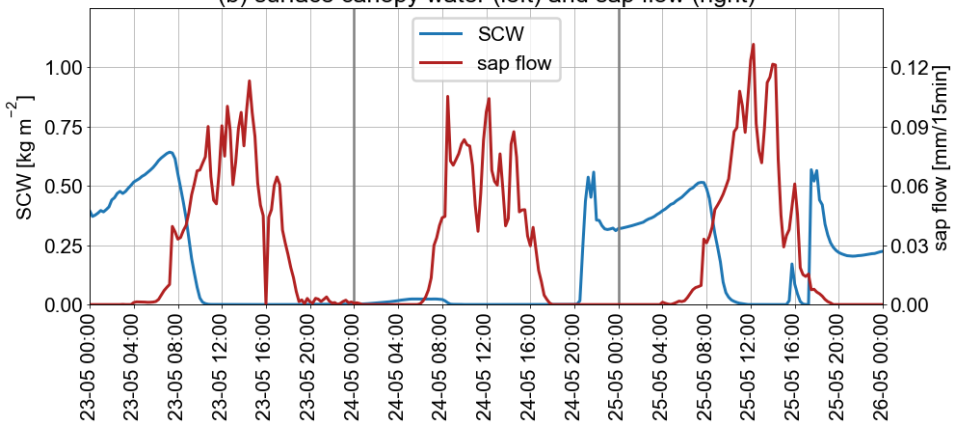


Backscatter follows sub-daily canopy water

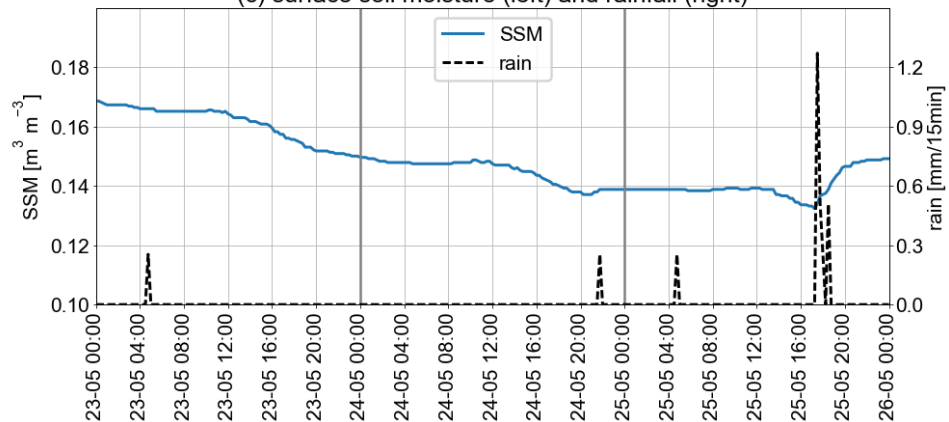
(a) L-band backscatter



(b) surface canopy water (left) and sap flow (right)

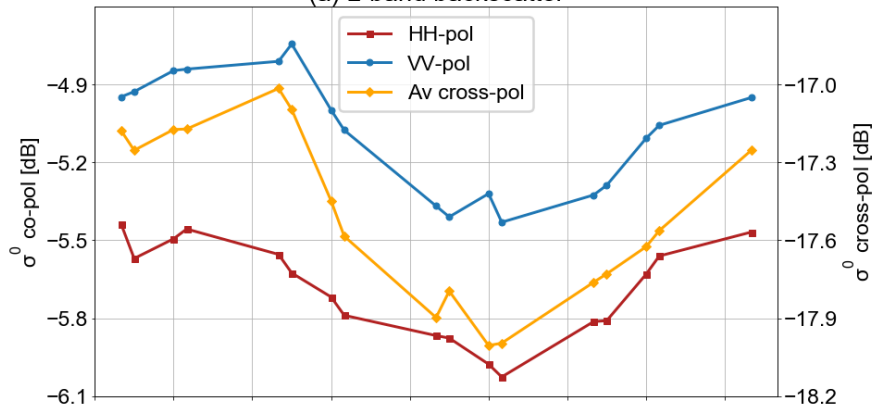


(c) surface soil moisture (left) and rainfall (right)



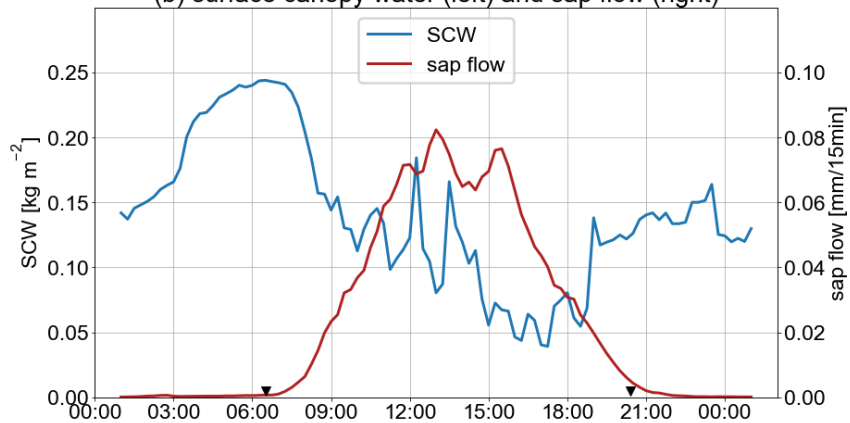
Aggregated sub-daily cycles (21 days)

(a) L-band backscatter

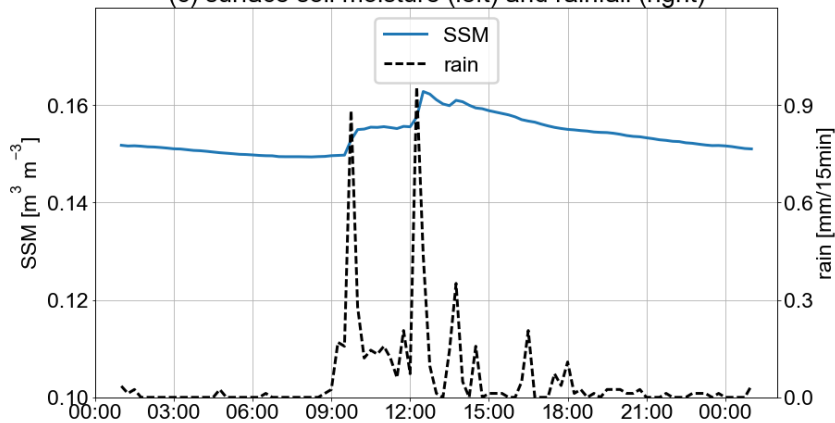


10-30% loss of internally stored water between 6am and 6pm

(b) surface canopy water (left) and sap flow (right)



(c) surface soil moisture (left) and rainfall (right)



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