VOD response to a rainfall event

(a)

Legend:
- VOD (5-min average)
- VOD (smoothed)
- VOD (median daily cycle)
- Rainfall rate
- Surface wetness (roof)

Left axis: Rainfall [mm h^{-1}] (0 to 5)
Right axis: VOD (0.6 to 1.1)

X-axis: May 17, May 18, May 19, May 20, May 21, May 22
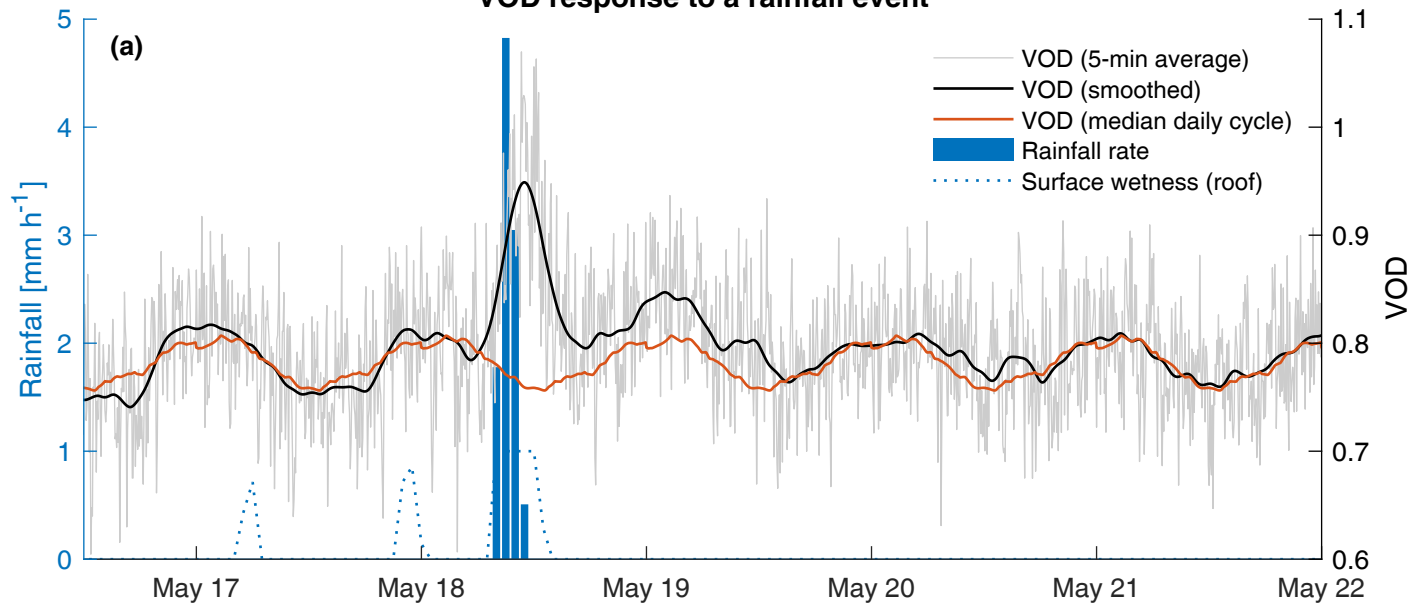
Dew effect on CWC (August-September)

(b)

Y-axis: CWC [kg m^{-2}] (10 to 16)
X-axis: Hour (12, 18, 0, 6, 12)

- CWC (nights with RH$_{max}$>70%, n=15) *
- CWC (nights with RH$_{max}$≤70%, n=19)
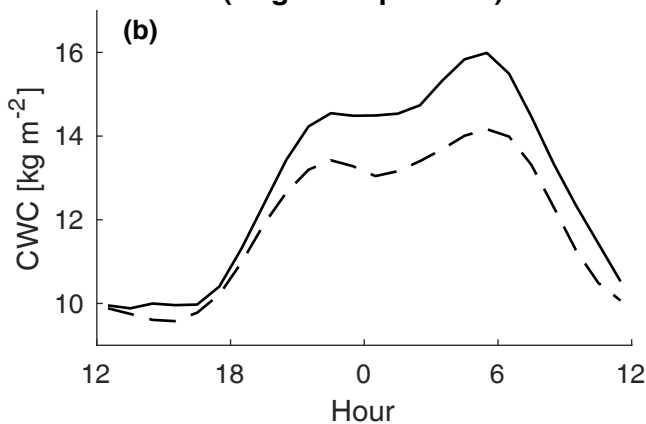
Comparison with surface wetness measurements

(c)

Left axis: CWC [kg m^{-2}] (0 to 2)
Right axis: Surface wetness (unitless) (0 to 2)
X-axis: Hour (12, 18, 0, 6, 12)

- Δ CWC (from panel b)
- Wetness sensor (nights with RH$_{max}$>70%) *
- Wetness sensor (nights with RH$_{max}$≤70%)
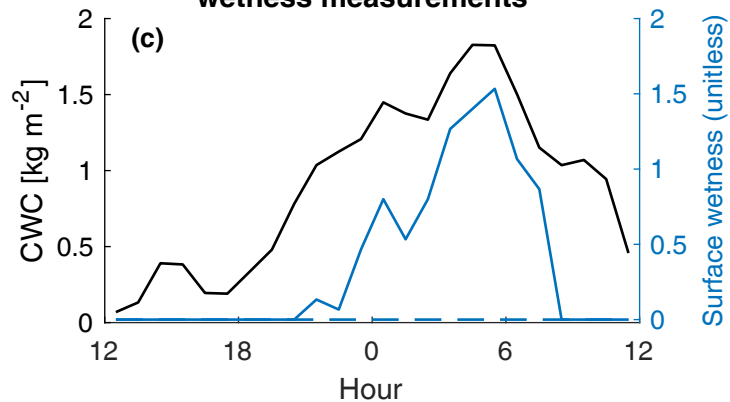
* nights where the wetness sensor reaches its maximum (saturation) value are excluded