



# Investigating the Effect of Memory on a Convective System

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# The System



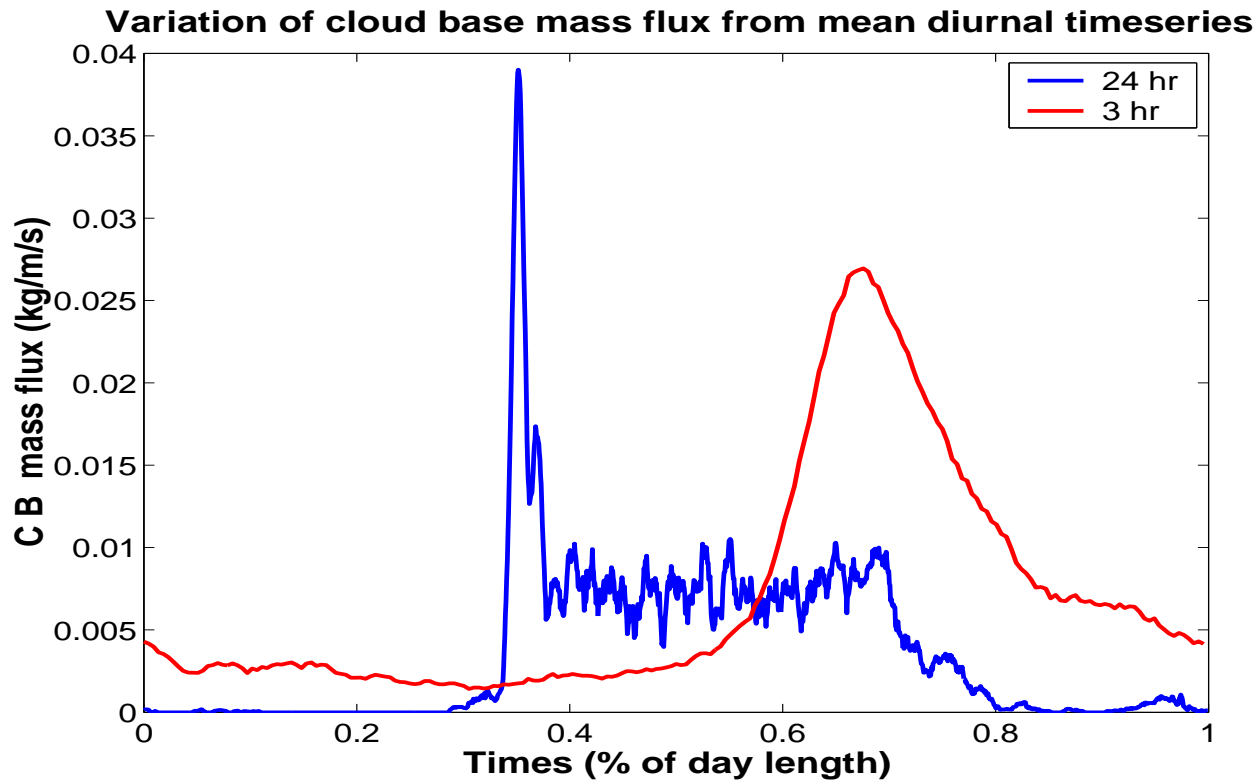
Investigating the timescale of convective forcing...

- Use a CRM to simulate the diurnal cycle over land
- But rescale the length of the day
  - have used values from 3 to 36h
- How well does the response correlate with the forcing?
- Does the response vary from day-to-day?



# Day-to-day variability

24h has variability in the onset  
3h has variability in the amplitude



# Triggering / Phase-shift

