Results from the TWP-ICE case study using Met Office models

ARM radiative processes & cloud modelling meeting

Thu Nov 20th

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- Some (very) preliminary results
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  - CRM

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Our plans

The models involved?

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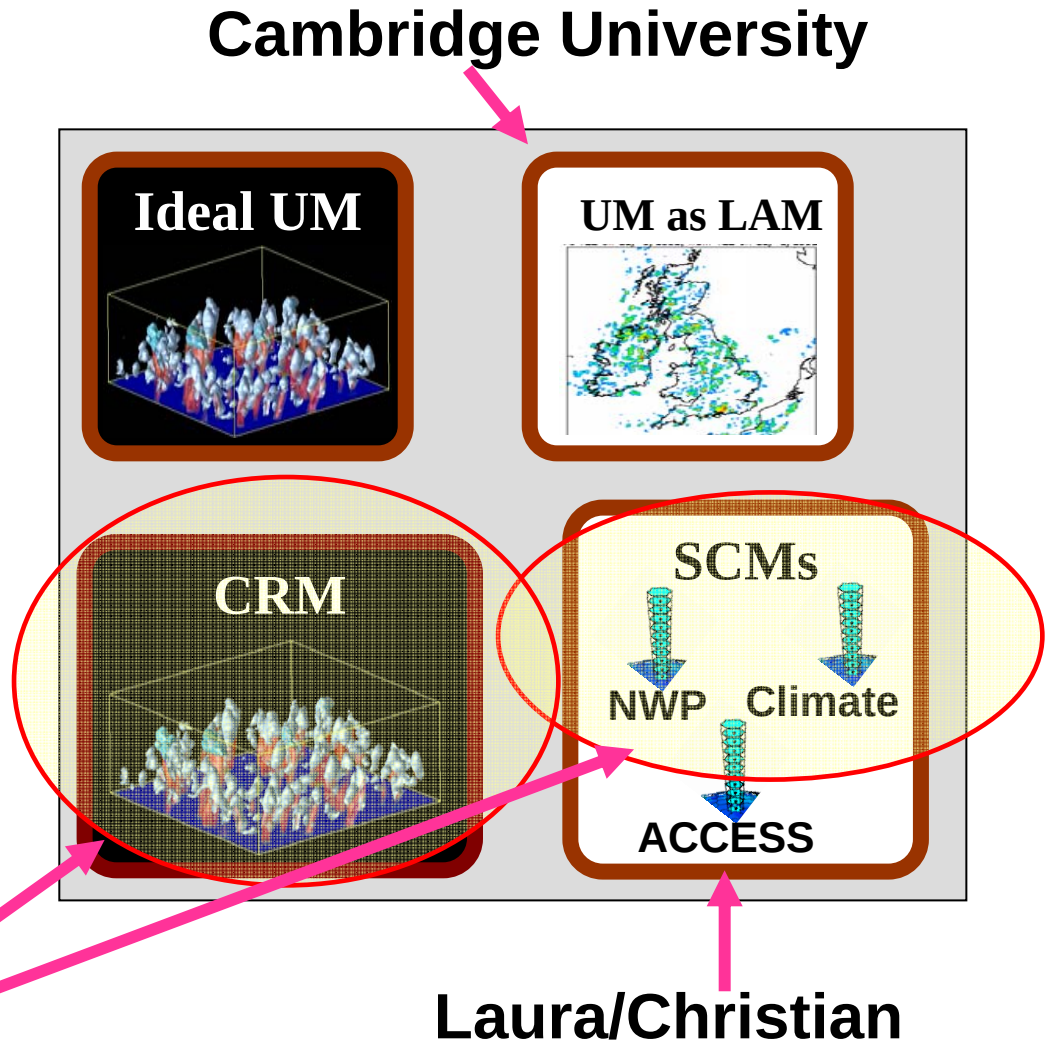
Models which will be run for TWP-ICE



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Some results

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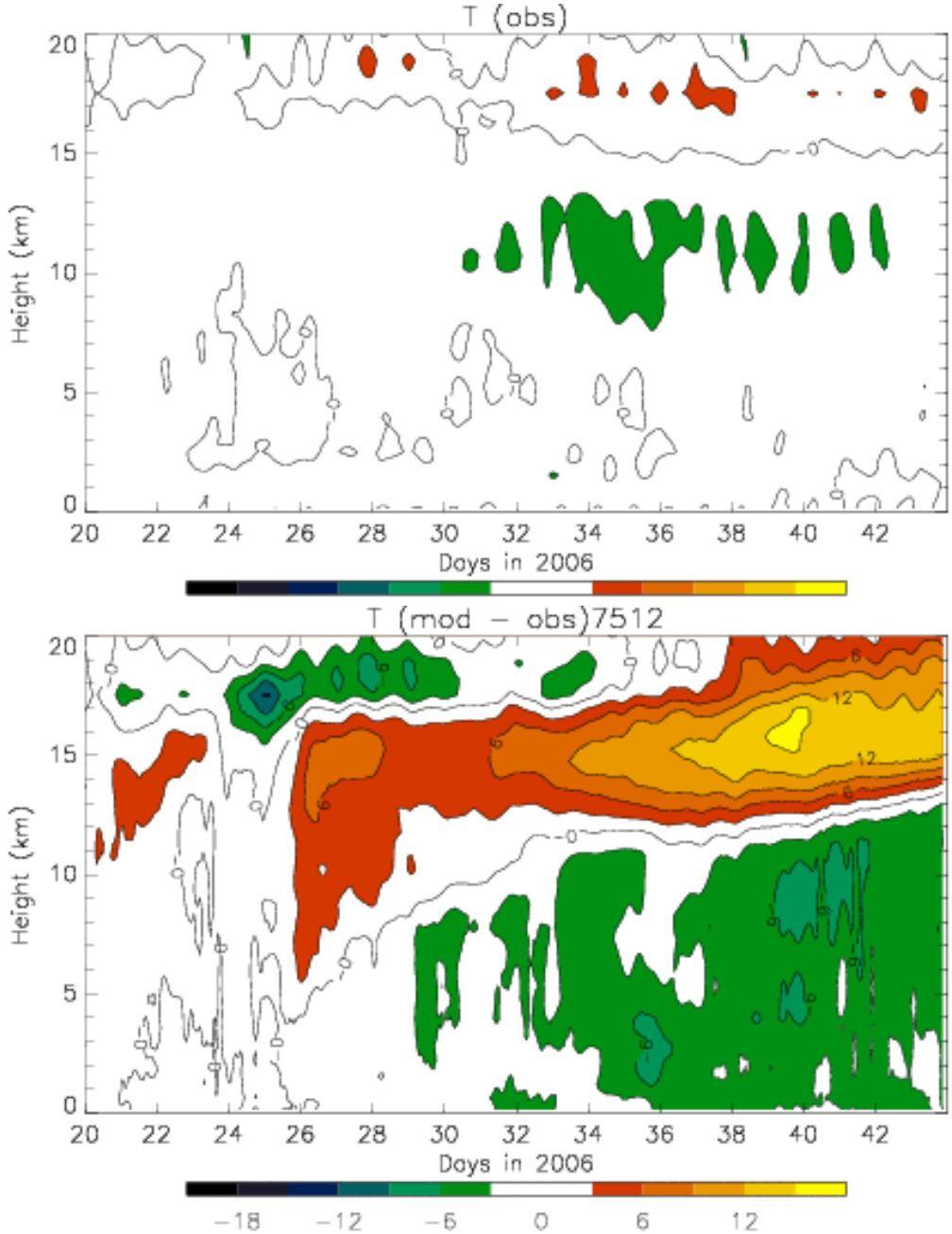
The older CRM runs
-The new forcing will address
-some of the upper biases



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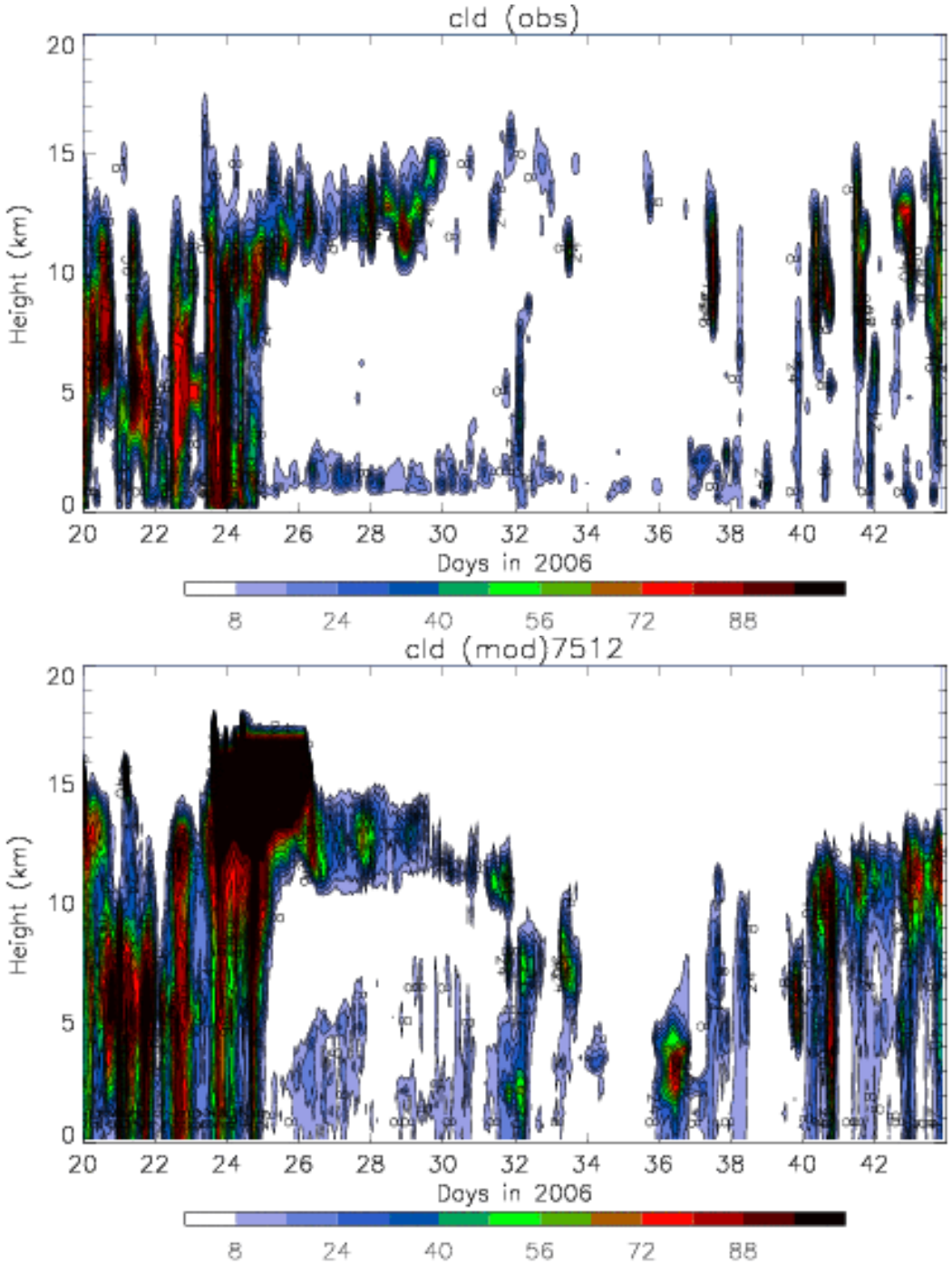
The older CRM runs



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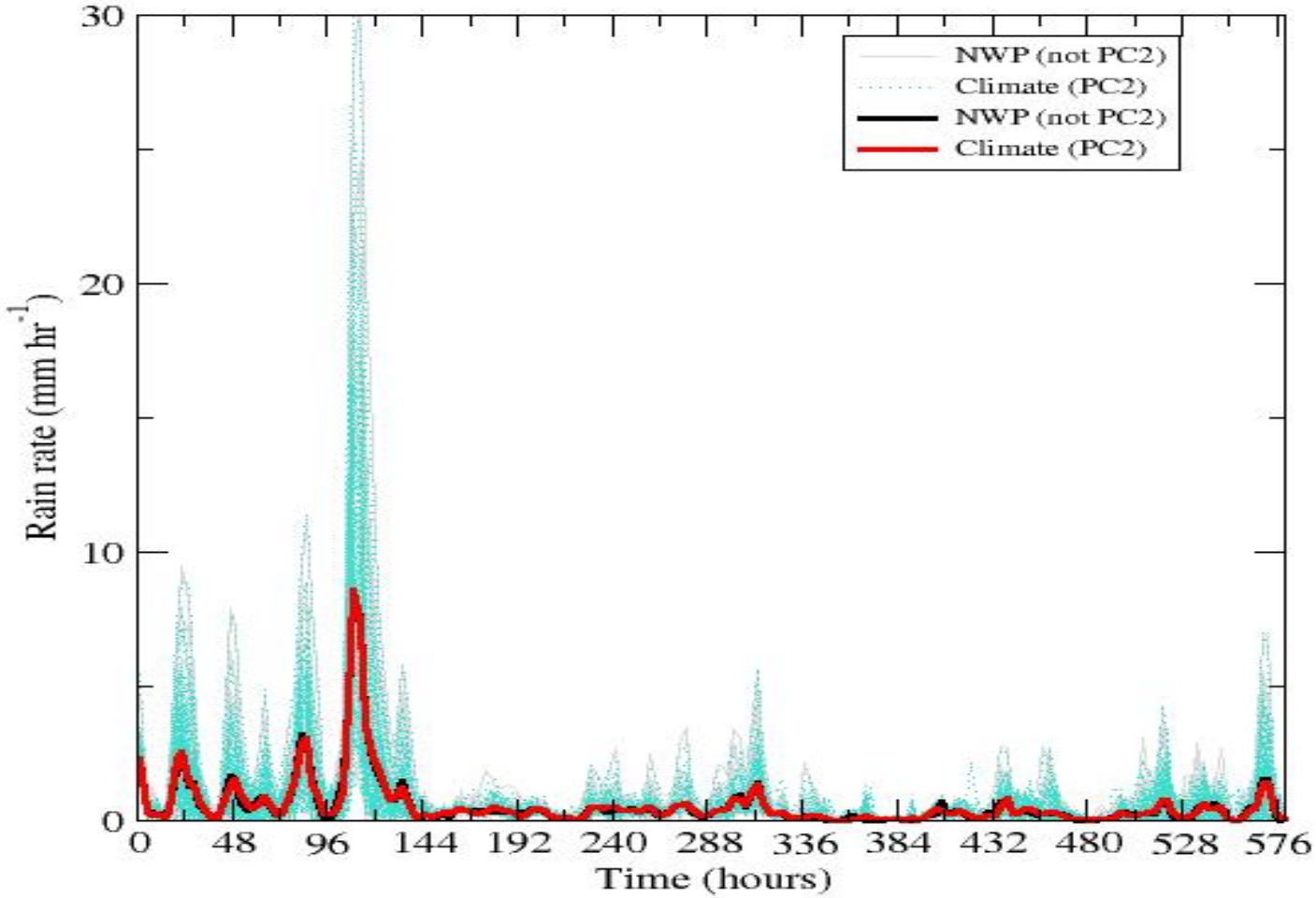
SCM ensembles rain rate as an example plot



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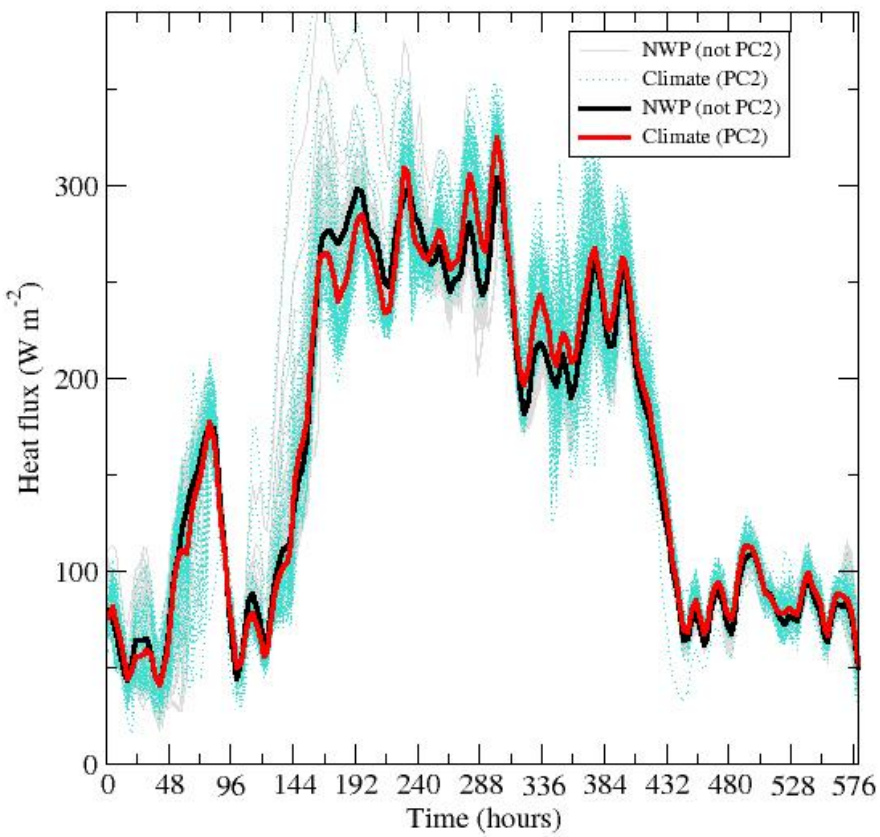
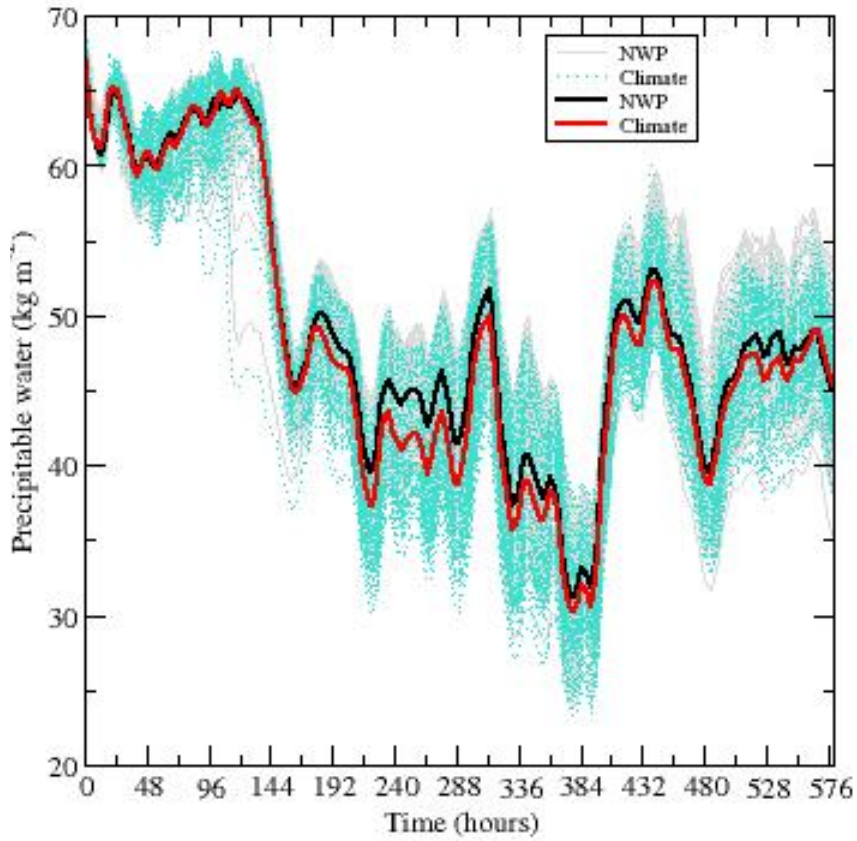
Latent heat and precipitable water





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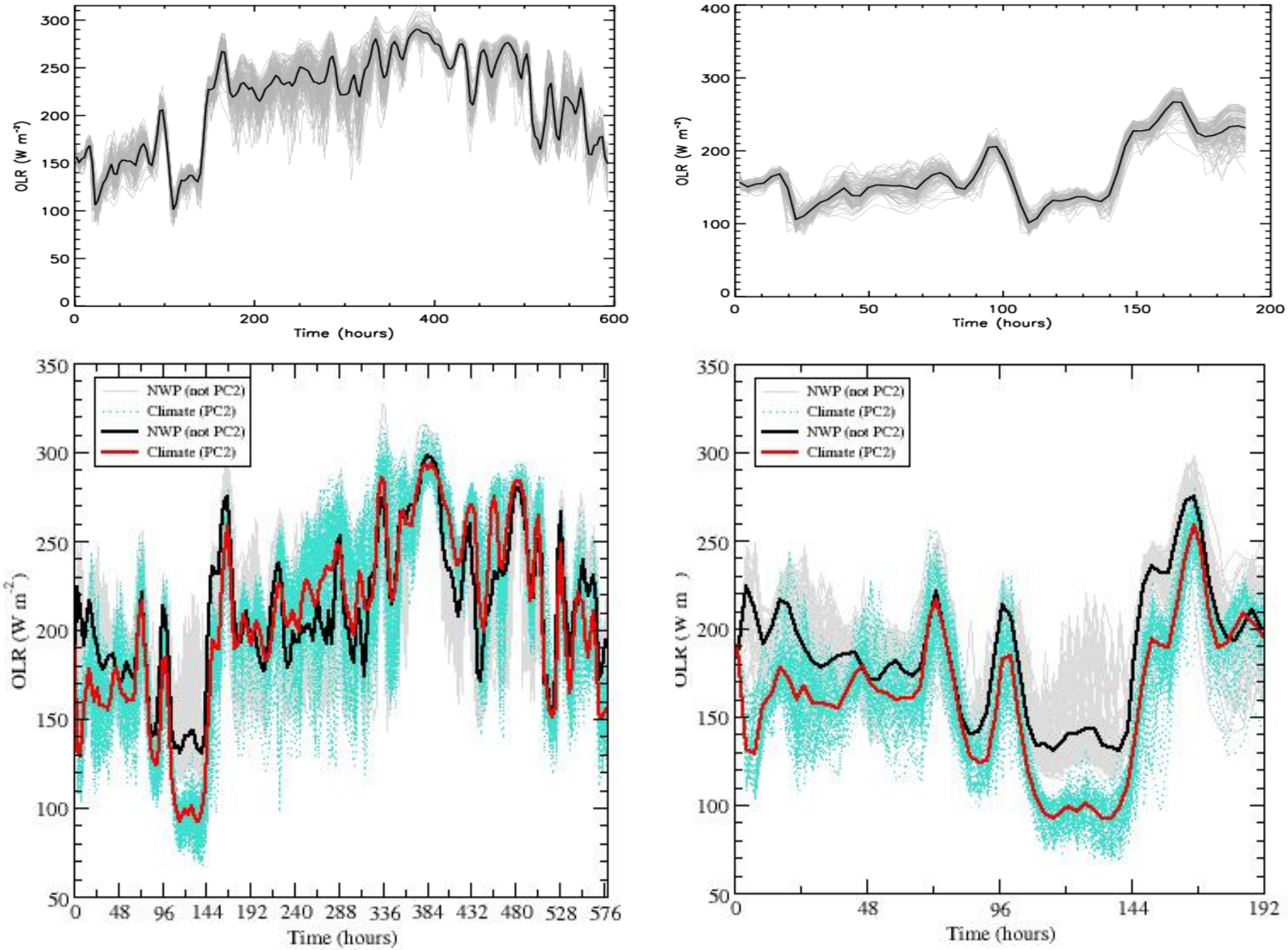
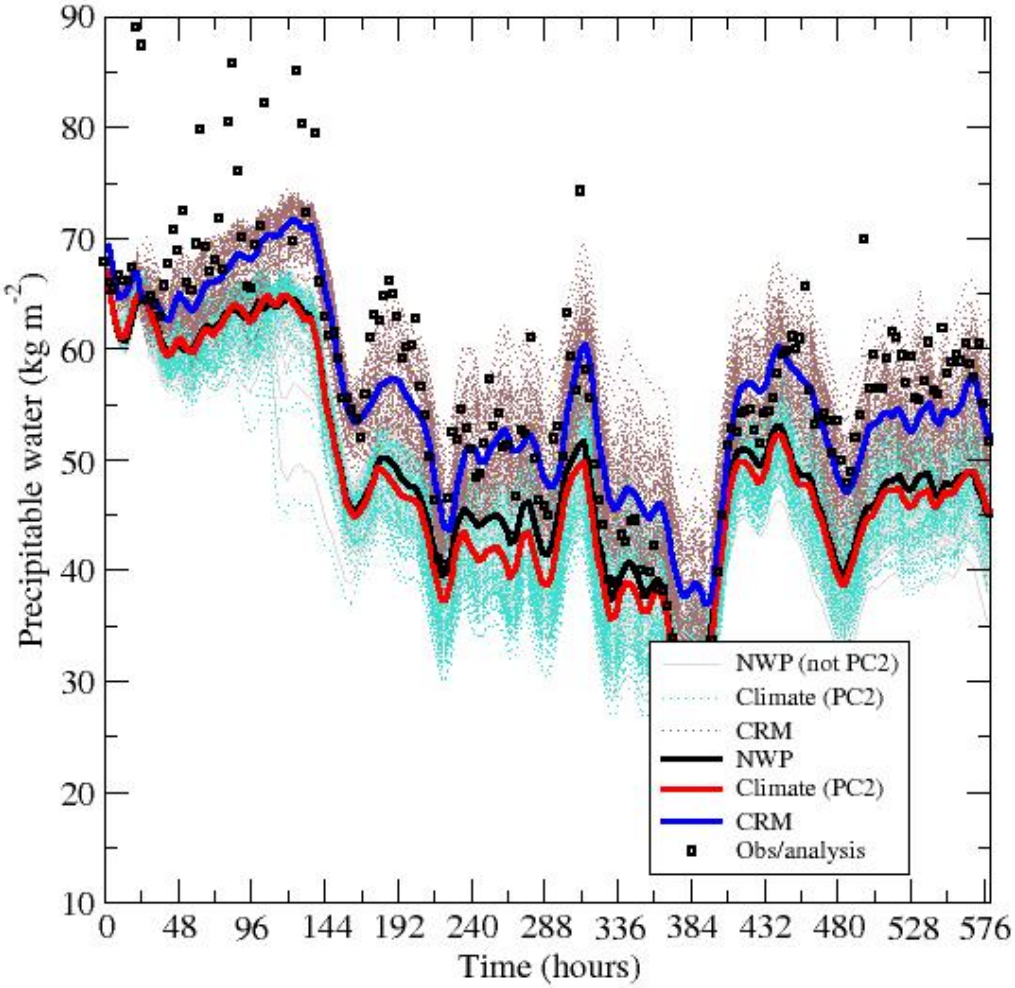

OLR (W m⁻²)
Time (hours)
NWP (not PC2)
Climate (PC2)
NWP (not PC2)
Climate (PC2)
OLR (W m⁻²)
Time (hours)

Precipitable water



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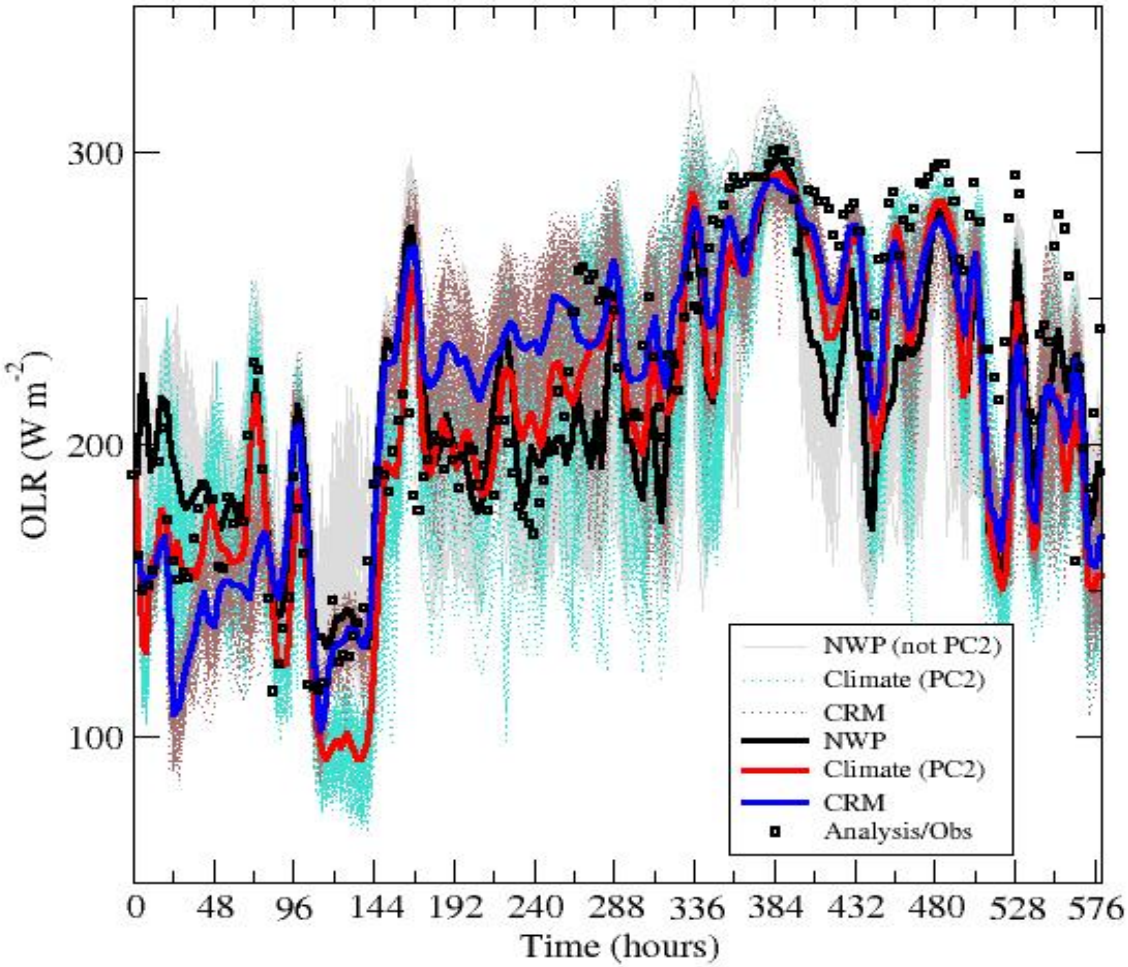
OLR



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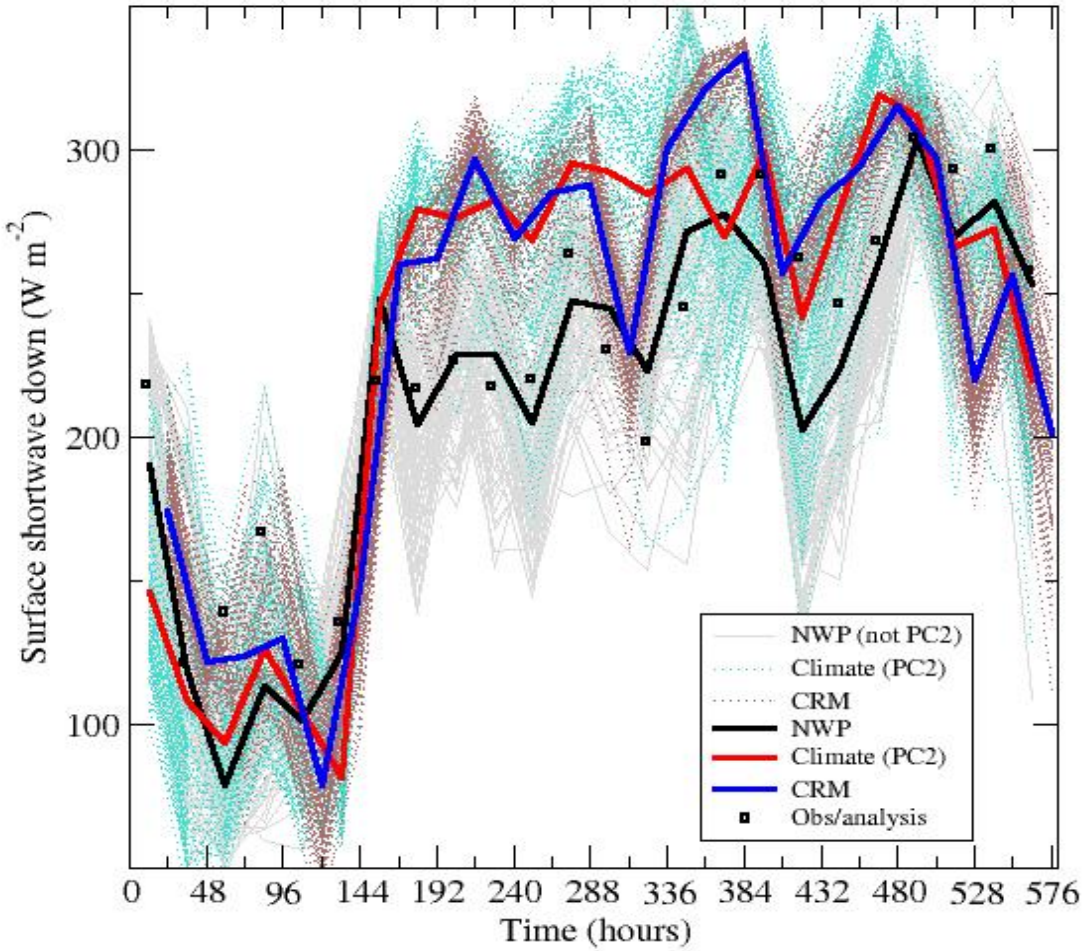
Downwelling surface shortwave



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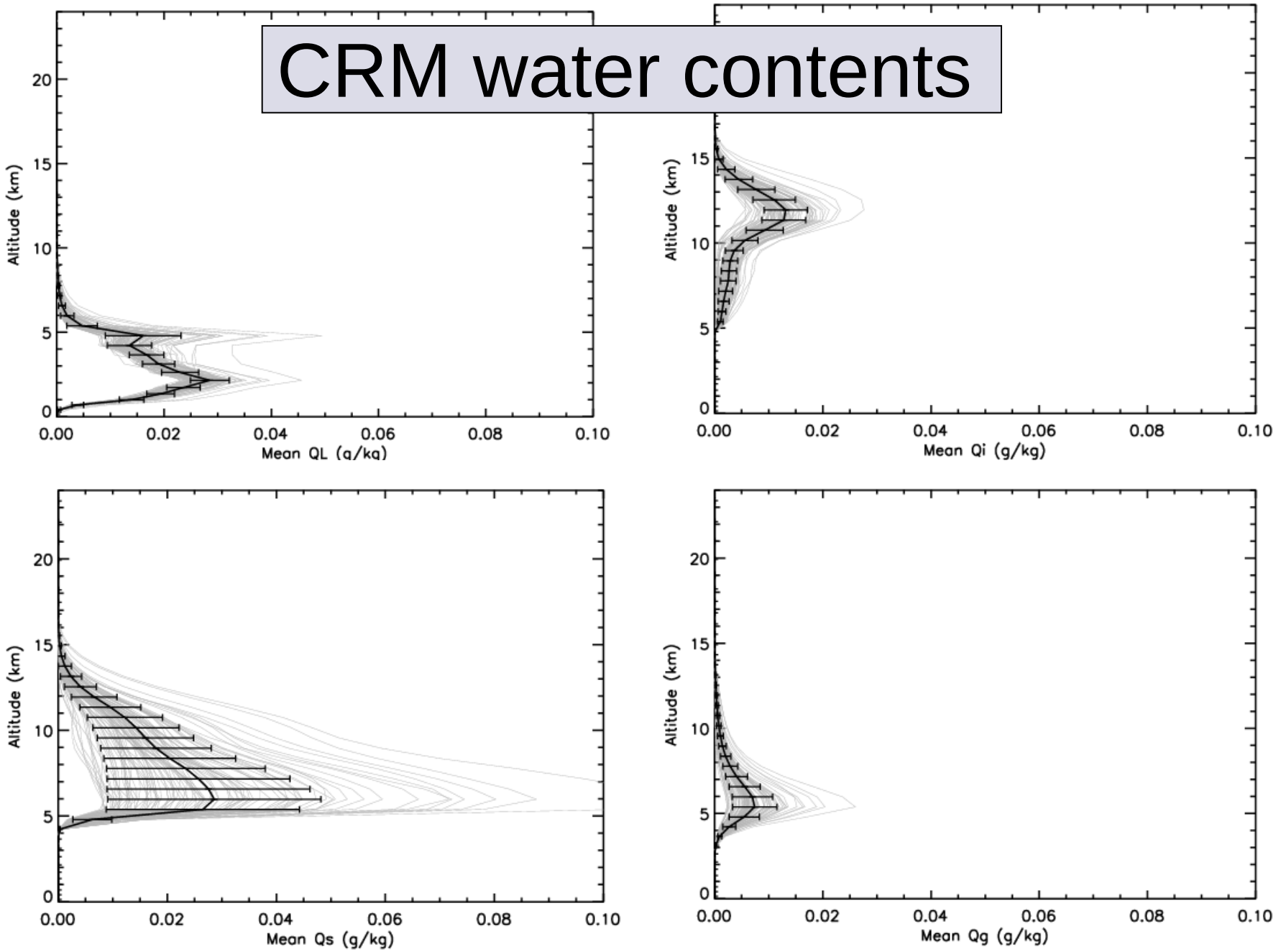
CRM water contents



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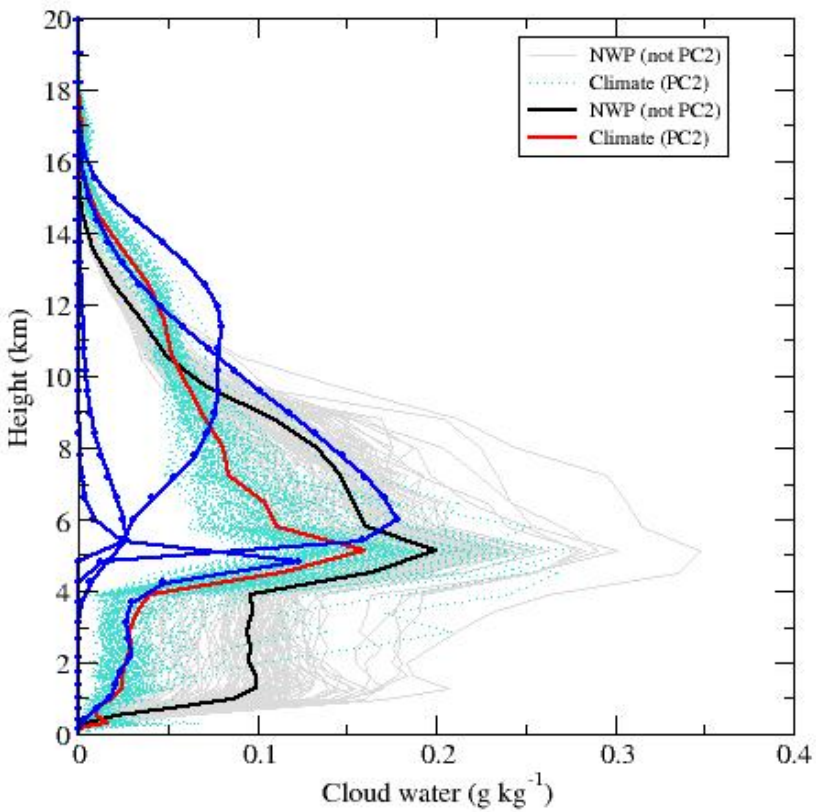
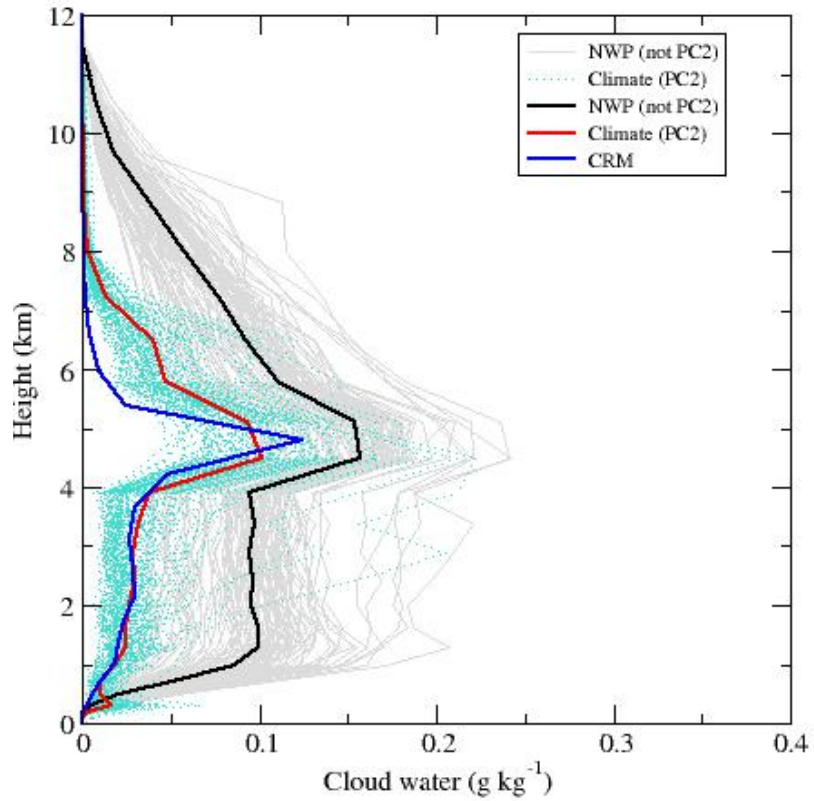
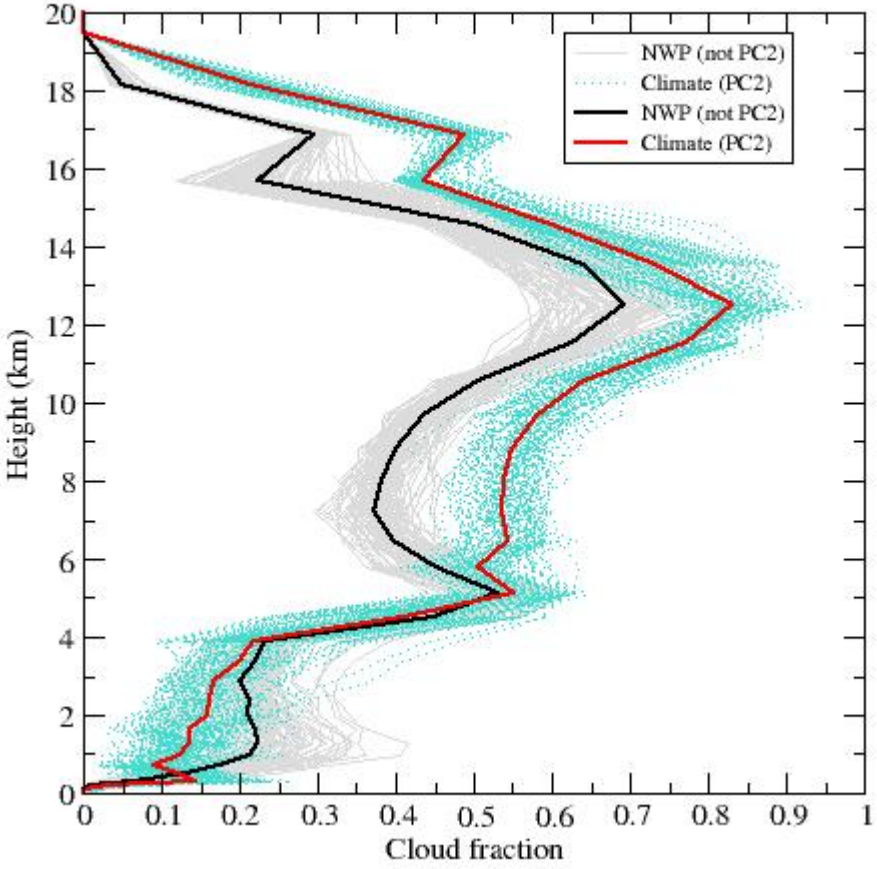
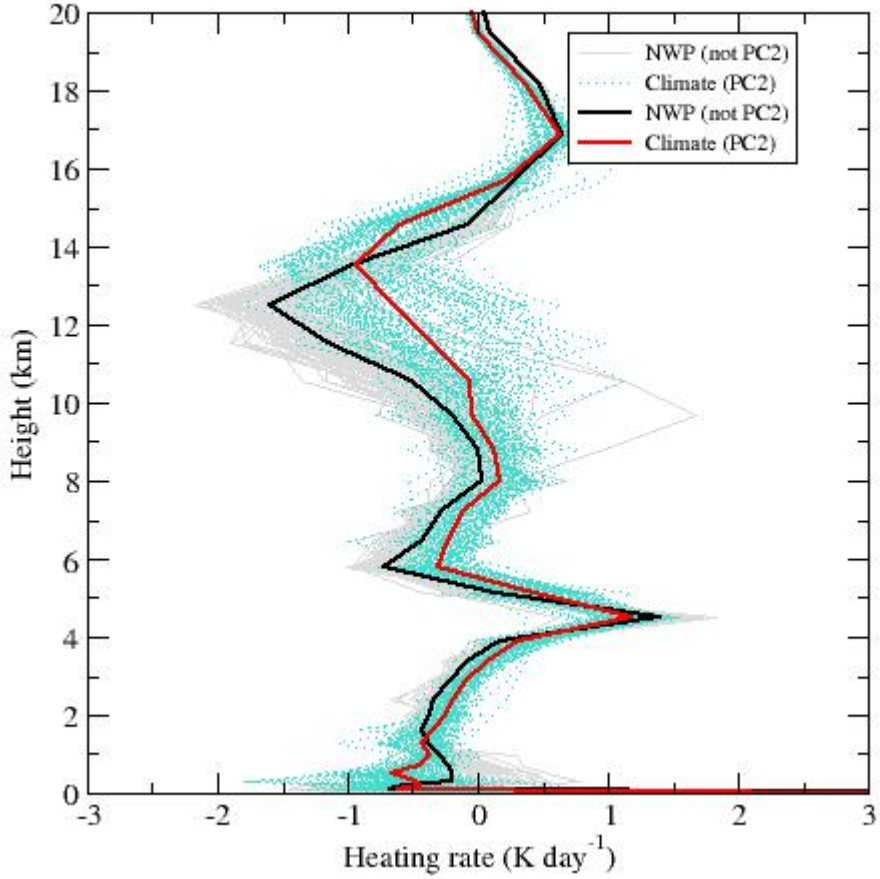
Cloud water (left includes ice) from the SCM and CRM









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A good place to stop

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