Constraints on GCM LWP Response ($\frac{\Delta\text{LWP}}{\Delta\text{GMT}}$)

$40 - 85^o$ S $40 - 50^o$ S $50 - 85^o$ S
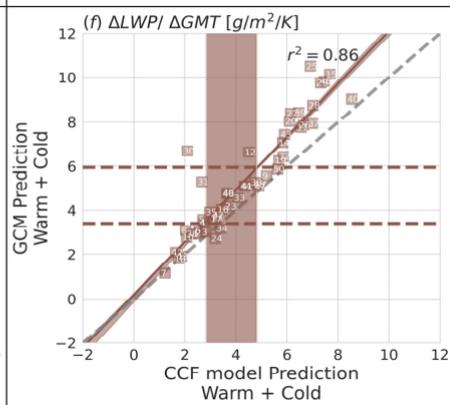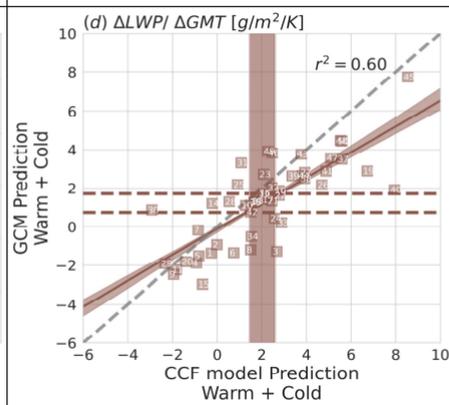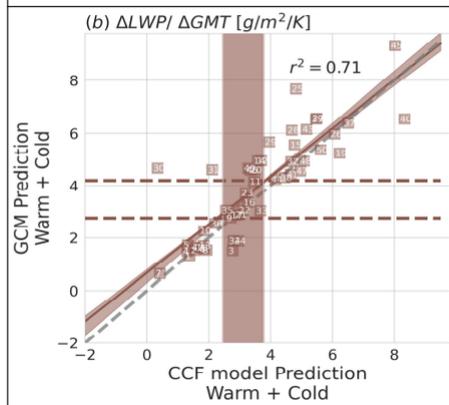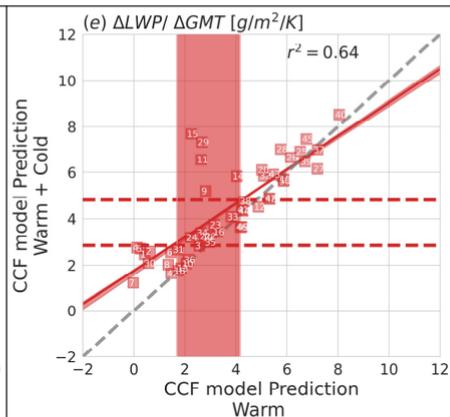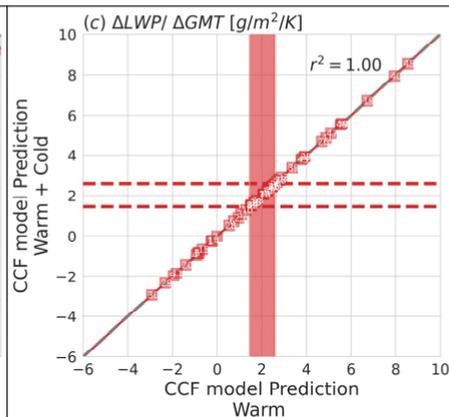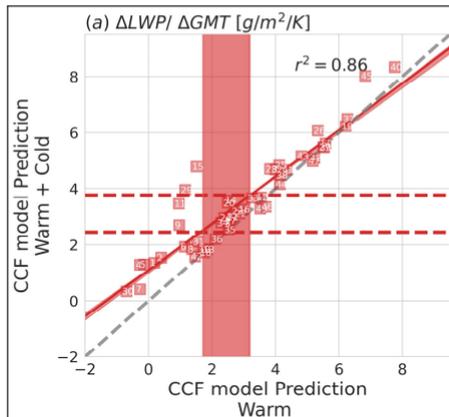
CCF (Warm) → CCF (Both)

CCF (Both) → GCM (Both)

(a) $\Delta LWP/ \Delta GMT$ [$g/m^2/K$] $r^2 = 0.86$

(c) $\Delta LWP/ \Delta GMT$ [$g/m^2/K$] $r^2 = 1.00$

(e) $\Delta LWP/ \Delta GMT$ [$g/m^2/K$] $r^2 = 0.64$

(b) $\Delta LWP/ \Delta GMT$ [$g/m^2/K$] $r^2 = 0.71$

(d) $\Delta LWP/ \Delta GMT$ [$g/m^2/K$] $r^2 = 0.60$

(f) $\Delta LWP/ \Delta GMT$ [$g/m^2/K$] $r^2 = 0.86$