

Figure 1. Stomatal response functions for theta and VPD.

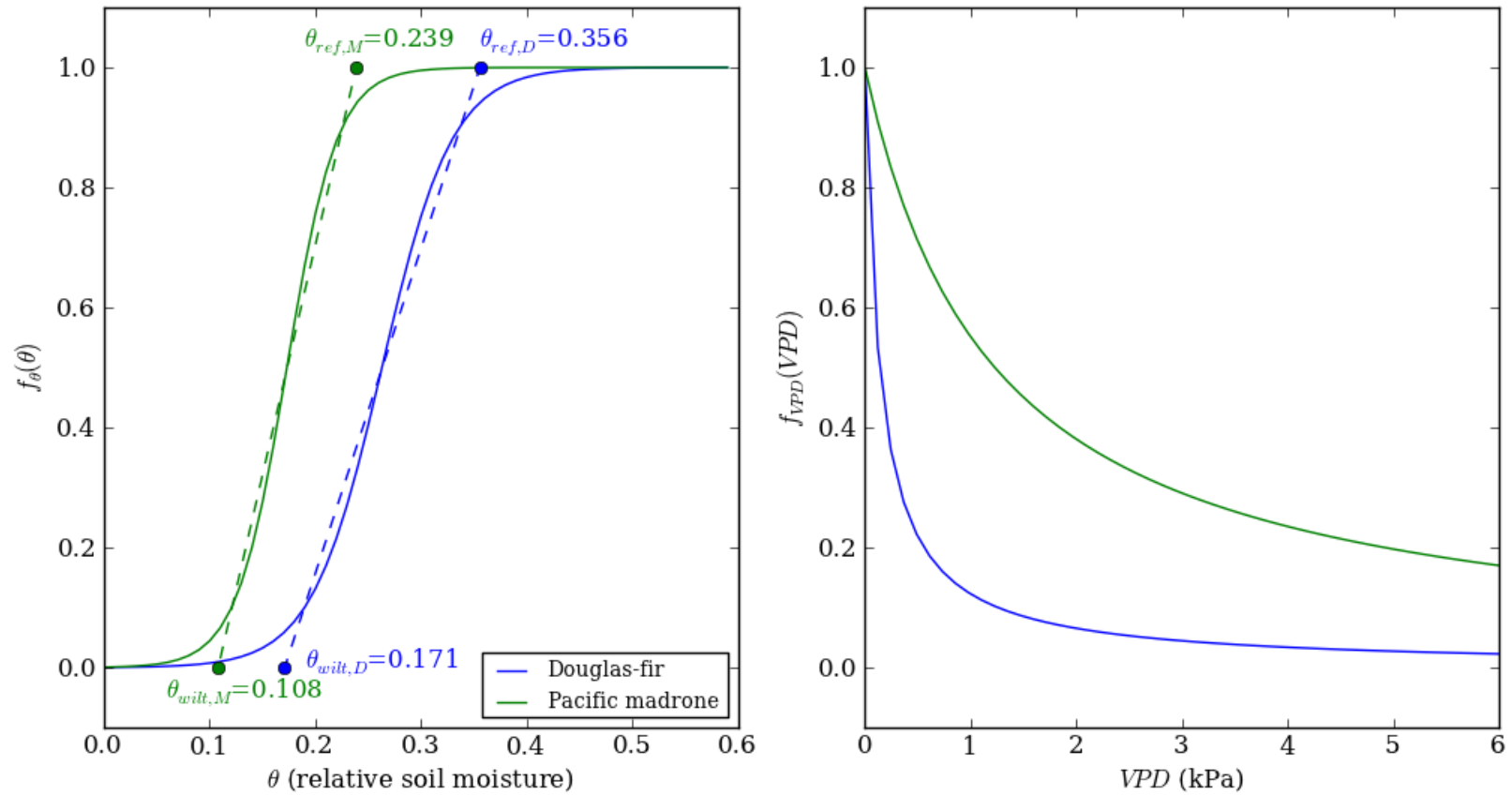


Table 1. Stomatal response parameters for Douglas-fir and Pacific madrone, as in Equation XX

Species	g_{\max}/α (kPa ⁻¹)	D_o (kPa)	β (unitless)	θ_o (unitless)	γ ((W/m ²) ⁻¹)
Douglas-fir	7.23	0.14	30	0.263	5.44E-04
Pacific madrone	1.02	1.23	42	0.173	7.20E-04

Figure 2.

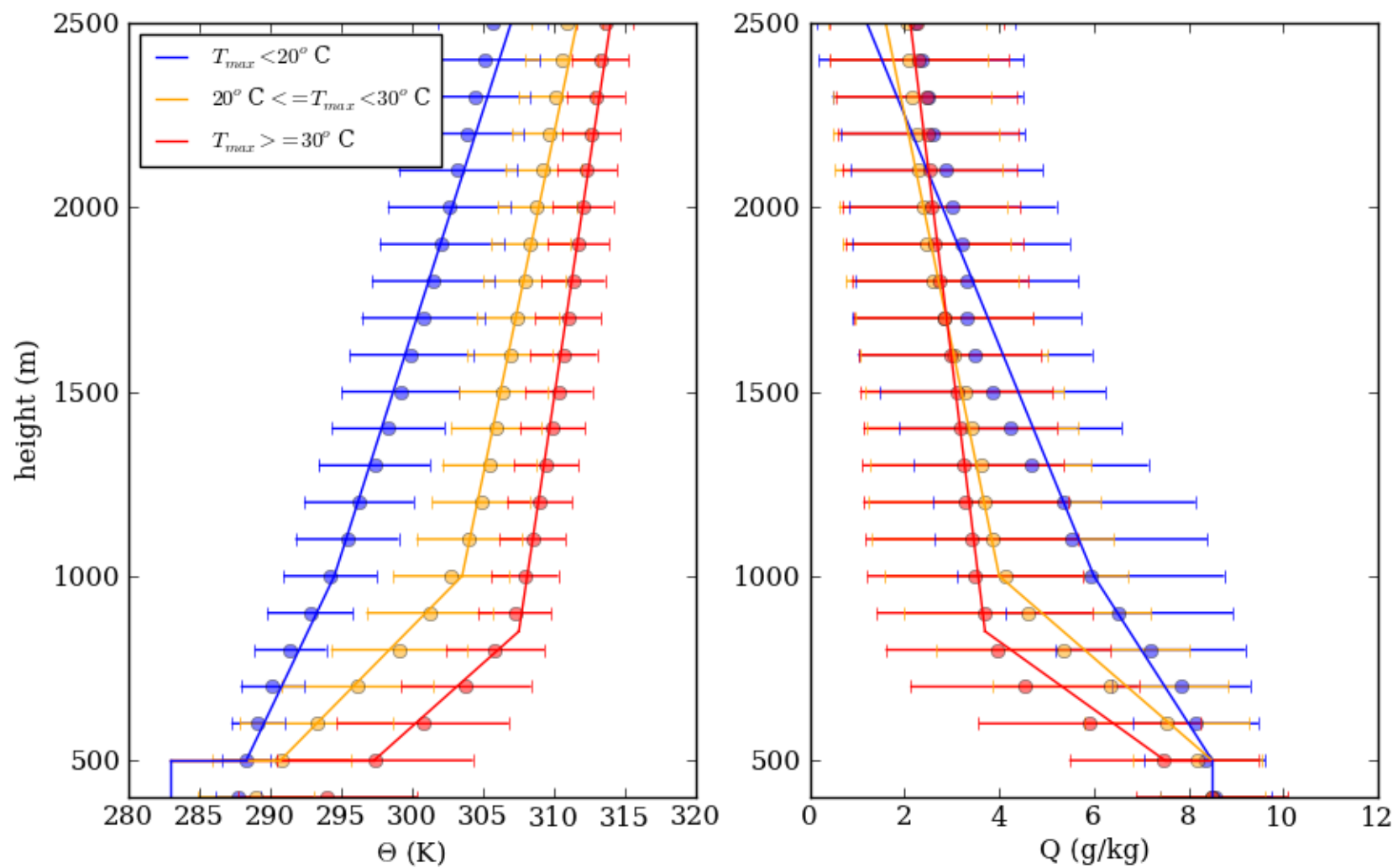
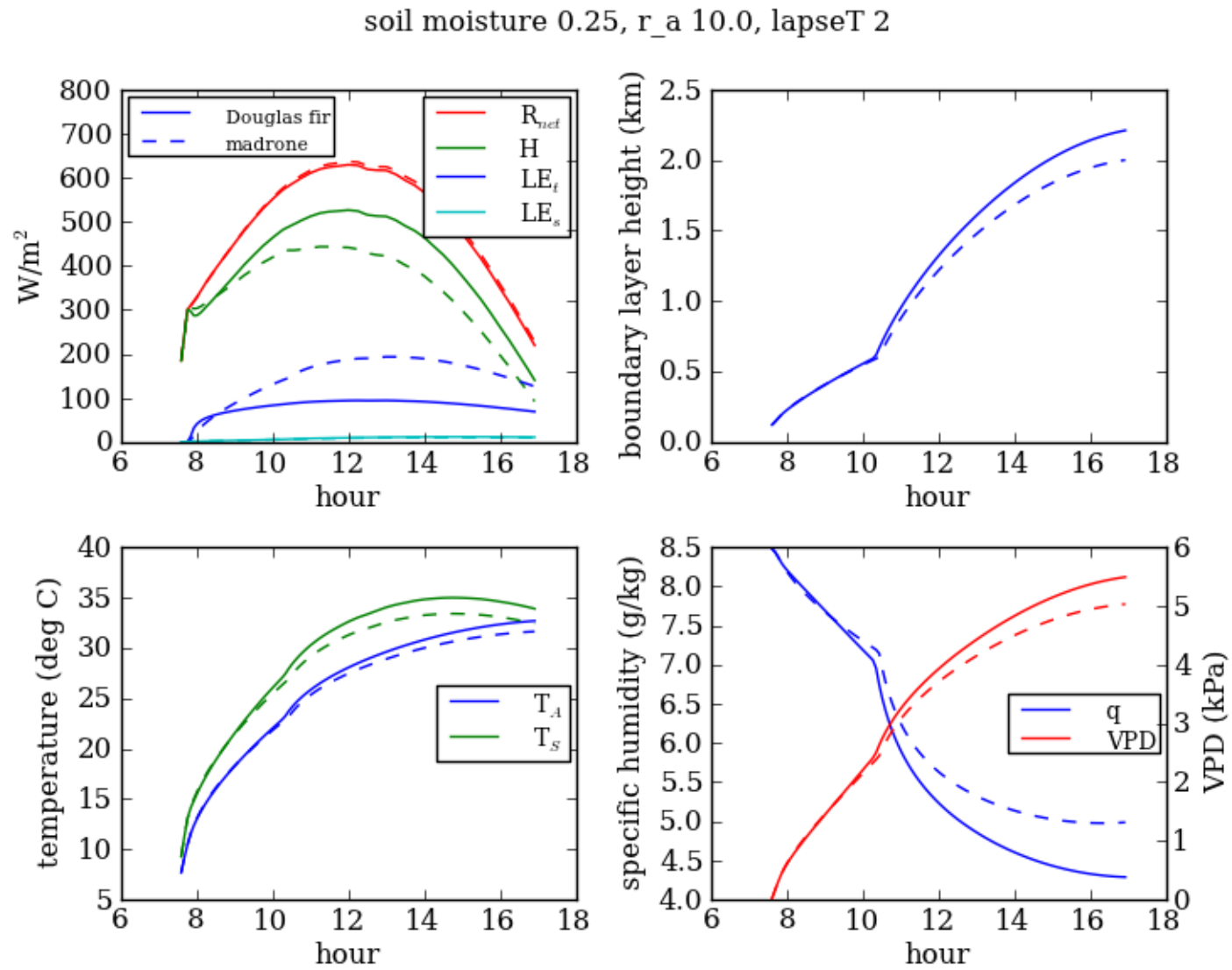


Table 2.

Variable	Range tested	
	1-D model	WRF
Relative soil moisture		
Synoptic conditions	3 free troposphere lapse rates (Figure XX)	LIST RANGE OF DAYS TESTED
	1. f_theta parameters differ by species, f_VPD and f_rad the same between species (set to douglas fir parameters); 2. f_VPD parameters differ by species, f_theta and f_rad the same between species (f_theta set to madrone parameters, f_rad set to douglas fir parameter); 3. f_theta, f_VPD, and f_rad parameters differ by species	1. f_theta parameters differ by species (theta_ref and theta_wilt shown in Figure XX and Table XX), default Noah f_VPD parameters for needleleaf evergreen forest; 2. f_theta and f_VPD parameters vary by species (listed in Table XX)
Stomatal response		

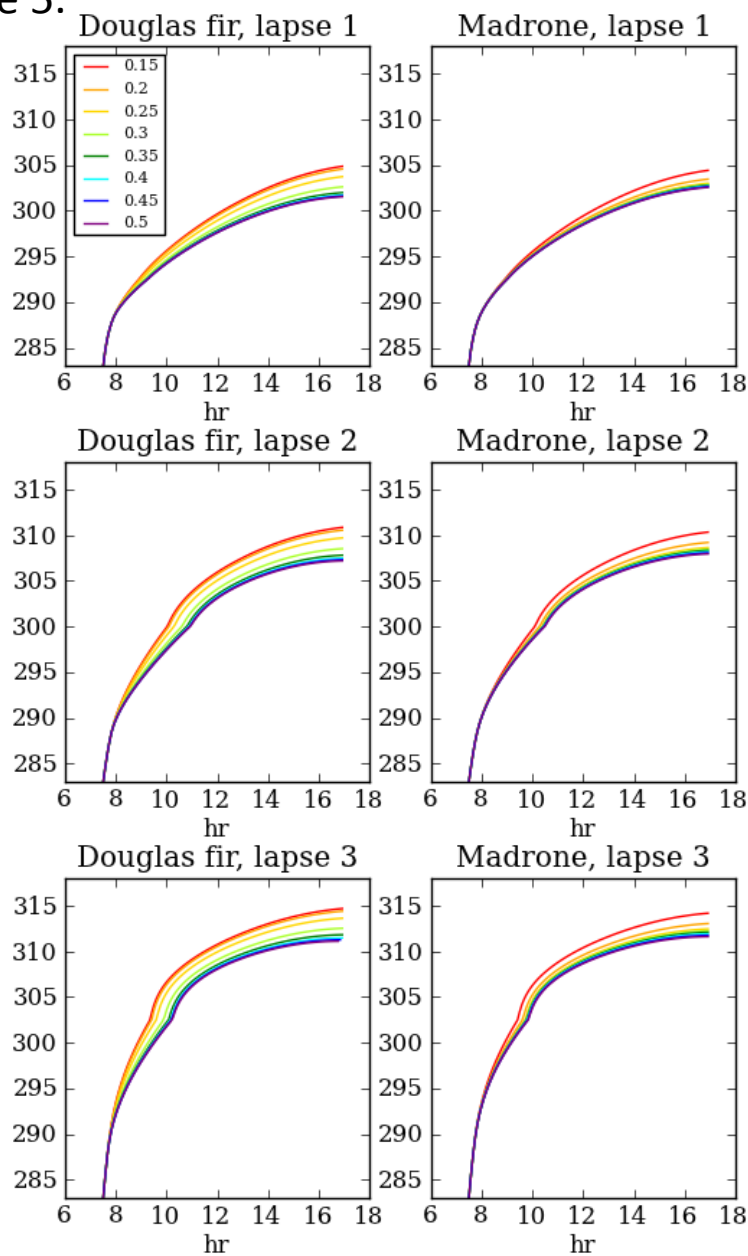
Figure 3. WRF model domain and experimental region.
NOT MADE YET.

Figure 4.



Ta air theta

Figure 5.



q mixing ratio

Figure 6.

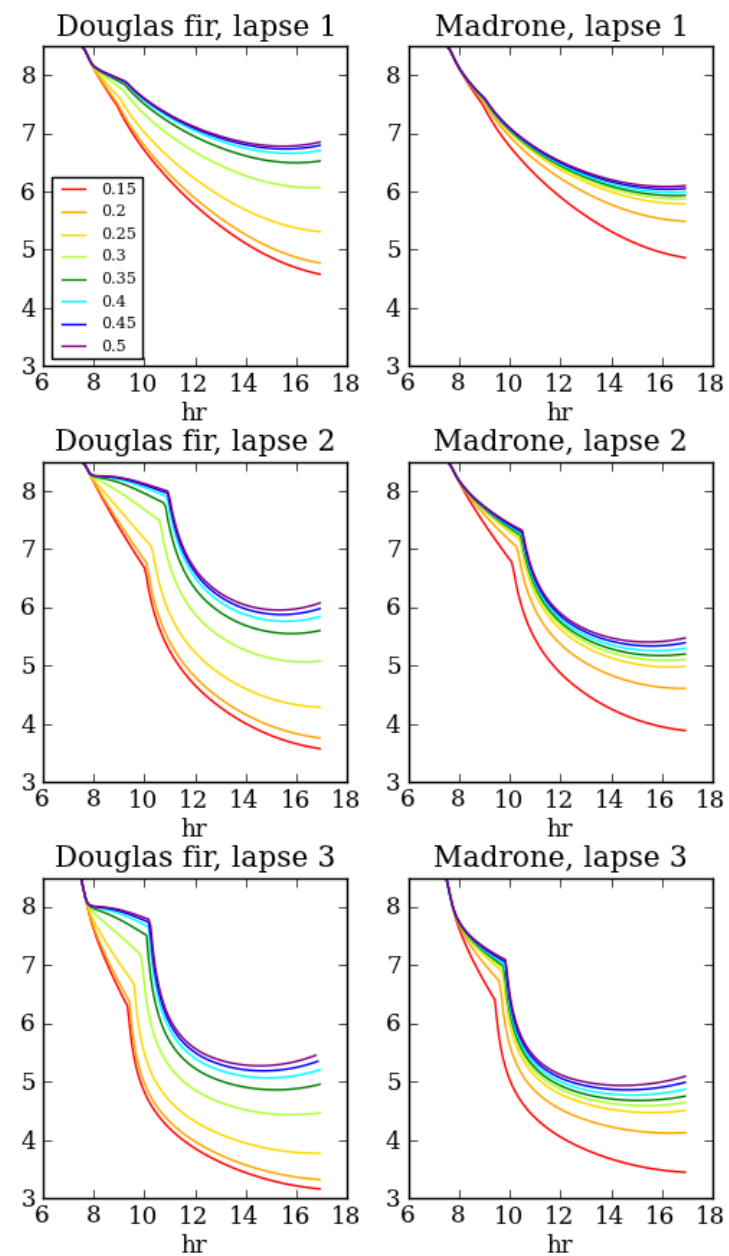
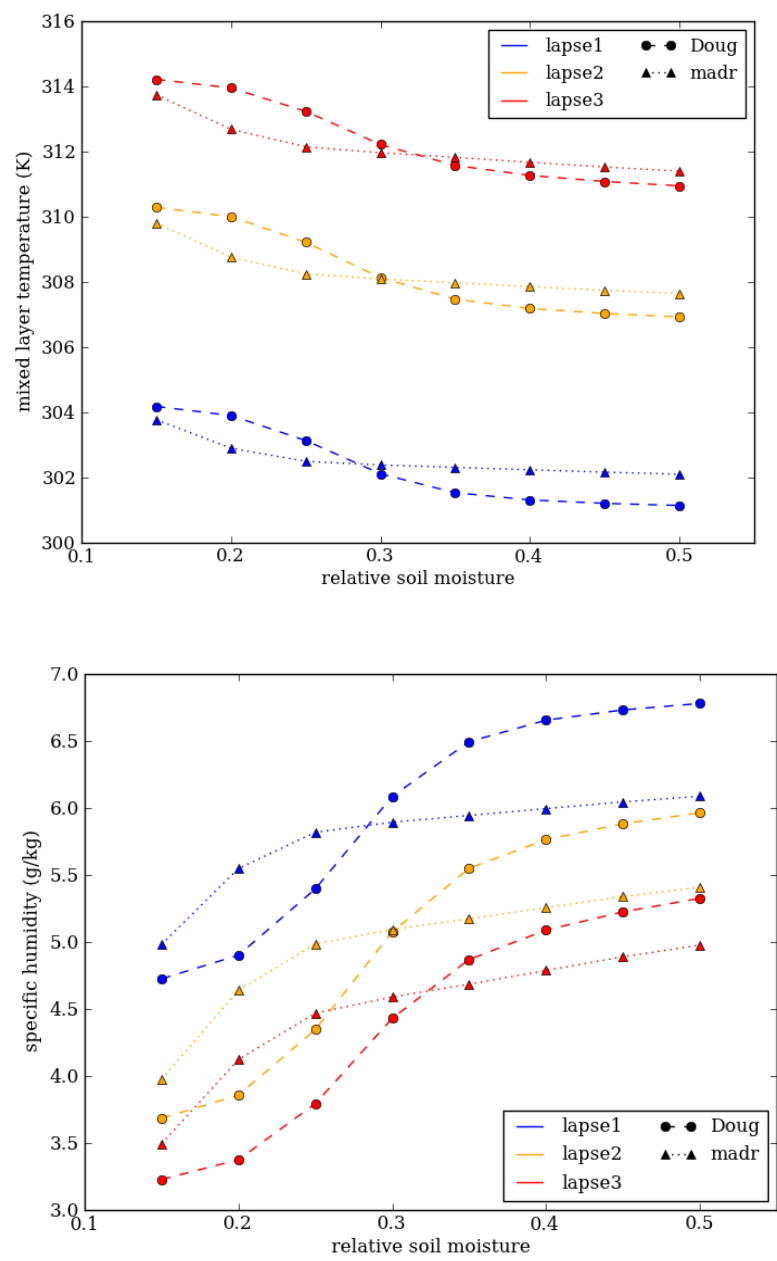


Figure 7.



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Figure 8.

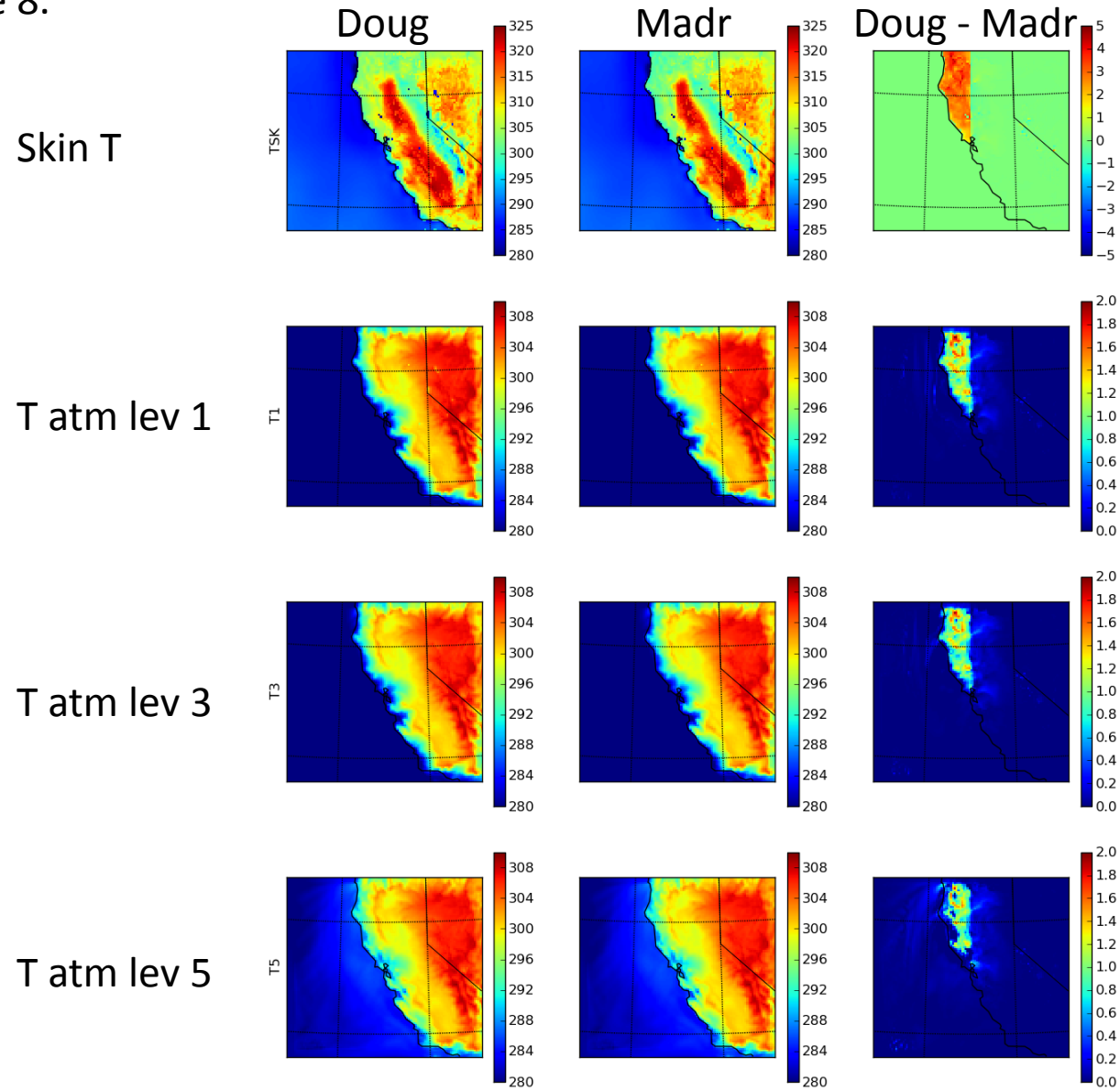


Figure 9.

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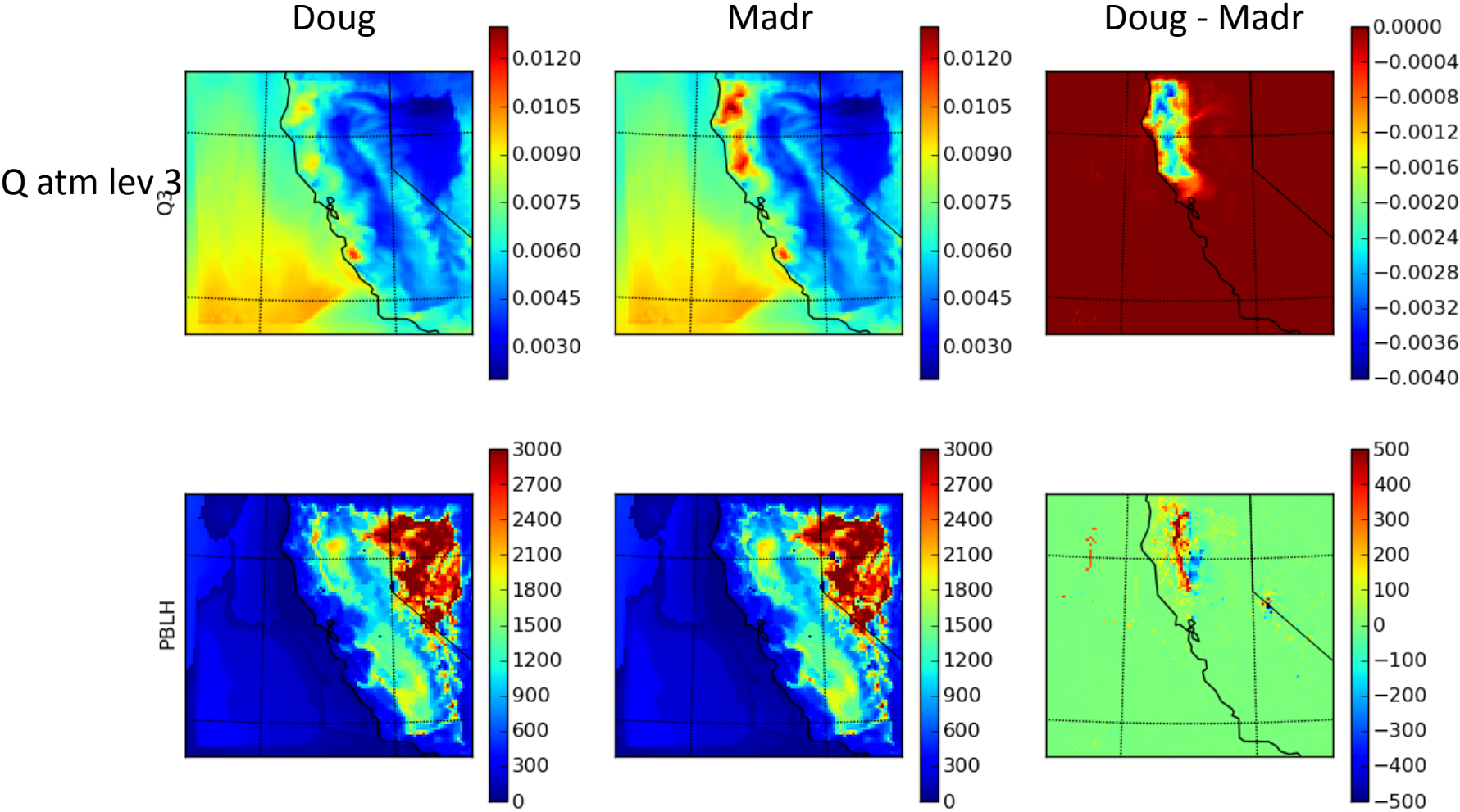


Figure 10.

