Acclimation time (\mathbf{a}) $MAD_{SP\mid P_s}=36.88$ 20 $MAD_{SP\mid P_{s,y}}=30.63$ $\overline{MAD_{TP}} = 20.60$ $MAD_{SP|P_s}$ 10 $MAD_{SP|P_{s,y}}$ MAD_{TP} 25 A_t [days] Drought stress parameters (\mathbf{d}) (b) (c) $|MAD_{SP|P_s}=0.23$ $MAD_{SP\mid P_s}=0.17$ $MAD_{SP|P_s} = 1.81$ 40 40 $||MAD_{SP|P_{s,y}}=0.21|$ $MAD_{SP\mid P_{s,y}}=1.63$ $MAD_{SP\mid P_{s,y}}=0.13$ $\overline{MAD_{TP}}=1.52$ $\overline{MAD_{TP}} = 0.08$ $\overline{MAD_{TP}} = 0.10$ 20 20 20 of sites [%] 0.000.250.2510 0.00 K_W [-] α [-] $W_I \left[\text{mm} \cdot \text{mm}^{-1} \right]$ Hydrological model parameters (g) (\mathbf{e}) Fract $|MAD_{SP|P_s} = 339.82^{40}|$ 20- $MAD_{SP\mid P_s}=0.02$ $MAD_{SP\mid P_s}=0.27$ $||MAD_{SP|P_{s,y}}=314.84||$ $MAD_{SP|P_{s,y}}=0.02$ $MAD_{SP\mid P_{s,y}}=0.14$ 20- $\overline{MAD_{TP}} = 0.01$ $\overline{MAD_{TP}} = 0.06$ $\overline{MAD_{TP}} = 144.86$ 20 10 0.0000.025250 0 PET_{scalar} [-] AWC [mm] $\theta \, [\mathrm{mm} \cdot \mathrm{h}^{-1}]$ (h) $MAD_{SP|P_s} = 0.04$ 40 $MAD_{SP\mid P_s}=0.17$ $MAD_{SP\mid P_s}=0.51$ $MAD_{SP|P_{s,y}} = 0.12 \ 20$ $MAD_{SP\mid P_{s,y}}=0.45$ 20 $MAD_{SP\mid P_{s,y}}=0.02$ $\overline{MAD_{TP}} = 0.03$ $\overline{MAD_{TP}} = 0.12$ $\overline{MAD_{TP}} = 0.19$ 20 10 10-0.0 0.2 0.000.05 MR_{tair} MR_{netrad} sn_a [-] $[\text{mm} \cdot \text{MJ}^{-1} \cdot \text{h}^{-1}]$ $[\text{mm} \cdot^{\circ} \text{C} \cdot \text{h}^{-1}]$