Acclimation time (\mathbf{a}) $MAD_{SP|P_s}=36.88$ 20 $MAD_{SP|P_{s,y}} = 30.63$ $\overline{MAD_{TP}} = 20.60$ $MAD_{SP|P_s}$ 10 $MAD_{SP|P_{s,y}}$ MAD_{TP} 25 A_t [days] Drought stress parameters (b) (c) (\mathbf{d}) $MAD_{SP\mid P_s}=0.23$ $MAD_{SP|P_s}=1.81$ $MAD_{SP\mid P_s}=0.17$ 40 40 $MAD_{SP\mid P_{s,y}}=0.13$ $MAD_{SP\mid P_{s,y}}=1.63$ $MAD_{SP\mid P_{s,y}}=0.21$ $\overline{MAD_{TP}} = 1.52$ $\overline{MAD_{TP}} = 0.08$ $\overline{MAD_{TP}} = 0.10$ 20 20 20 of sites [%] 0.000.25 10 0.000.25 α [-] K_W [-] $W_I \left[\text{mm} \cdot \text{mm}^{-1} \right]$ Hydrological model parameters (e) (g)Fract $MAD_{SP|P_s} = 339.82^{40}$ 20- $MAD_{SP\mid P_s}=0.02$ $MAD_{SP\mid P_s}=0.27$ $MAD_{SP\mid P_{s,y}}=0.02$ $MAD_{SP|P_{s,y}} = 314.84$ $MAD_{SP\mid P_{s,y}}=0.14$ 20 $\overline{MAD_{TP}} = 0.06$ $\overline{MAD_{TP}} = 144.86$ $\overline{MAD_{TP}} = 0.01$ 20 10 250 0.0000.0250 PET_{scalar} [-] AWC [mm] $\theta \, [\mathrm{mm} \cdot \mathrm{h}^{-1}]$ (h) (i)**(j)** $MAD_{SP|P_s} = 0.04 40$ $MAD_{SP\mid P_s}=0.51$ $MAD_{SP\mid P_s}=0.17$ $MAD_{SP|P_{s,y}} = 0.12 \ 20$ $MAD_{SP\mid P_{s,y}}=0.45$ $MAD_{SP\mid P_{s,y}}=0.02$ 20 $\overline{MAD_{TP}} = 0.19$ $\overline{MAD_{TP}} = 0.12$ $\overline{MAD_{TP}} = 0.03$ 20 10 10-0.0 0.2 0.000.05 MR_{tair} MR_{netrad} sn_a [-] $[\text{mm} \cdot \text{MJ}^{-1} \cdot \text{h}^{-1}]$ $[\text{mm} \cdot^{\circ} \text{C} \cdot \text{h}^{-1}]$