Acclimation time (\mathbf{a}) $MAD_{SP|P_s} = 36.88$ 20 $MAD_{SP|P_{s,y}} = 30.63$ $\overline{MAD_{TP}} = 20.60$ $MAD_{SP|P_s} \ MAD_{SP|P_{s,y}}$ 10 MAD_{TP} 25 A_t [days] Drought stress parameters (d)(b) (c) $MAD_{SP|P_s} = 0.23$ $MAD_{SP|P_s} = 1.81$ $MAD_{SP|P_s} = 0.17$ 4040 $MAD_{SP|P_{s,y}} = 0.21$ $MAD_{SP|P_{s,y}} = 1.63$ $MAD_{SP|P_{s,y}} = 0.13$ $\overline{MAD_{TP}} = 1.52$ $\overline{MAD_{TP}} = 0.10$ $\overline{MAD_{TP}} = 0.08$ 20 20 20 ion of sites [%] 0.00 0.2510 0.00 0.25 $W_I \left[\text{mm} \cdot \text{mm}^{-1} \right]$ K_W [-] α Hydrological model parameters (e) (g) Fract $MAD_{SP|P_s} = 339.82^{40}$ 20 $MAD_{SP|P_s} = 0.02$ $MAD_{SP|P_s} = 0.27$ $MAD_{SP|P_{s,y}} = 314.84$ $MAD_{SP|P_{s,y}} = 0.02$ $MAD_{SP|P_{s,y}} = 0.14$ 20 $\overline{MAD_{TP}} = 144.86$ $\overline{MAD_{TP}} = 0.01$ $\overline{MAD_{TP}} = 0.06$ 20 10 0.000250 0.0250 PET_{scalar} [-] AWC [mm] $\theta \, [\mathrm{mm} \cdot \mathrm{h}^{-1}]$ (h) (i)**(j)** $MAD_{SP|P_s} = 0.04 40$ $MAD_{SP|P_s} = 0.17$ $MAD_{SP|P_s} = 0.51$ $MAD_{SP|P_{s,y}} = 0.12 \ 20^{\frac{1}{2}}$ 20 $MAD_{SP|P_{s,y}} = 0.02$ $MAD_{SP|P_{s,y}} = 0.45$ $\overline{MAD_{TP}} = 0.12$ $\overline{MAD_{TP}} = 0.03$ $\overline{MAD_{TP}} = 0.19$ 20 10 10 0.00 0.2 0.0 0.05 MR_{tair} MR_{netrad} sn_a [-] $[\text{mm} \cdot \text{MJ}^{-1} \cdot \text{h}^{-1}]$ $[\text{mm} \cdot^{\circ} \text{C} \cdot \text{h}^{-1}]$