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 (b) (c) (\mathbf{d}) $MAD_{SP\mid P_s}=0.23$ $MAD_{SP\mid P_s}=0.17$ $MAD_{SP|P_s}=1.81$ 4040 $MAD_{SP\mid P_{s,y}}=0.13$ $MAD_{SP\mid P_{s,y}}=0.21$ $MAD_{SP\mid P_{s,y}}=1.63$ $\overline{MAD_{TP}} = 0.08$ $\overline{MAD_{TP}}=1.52$ $\overline{MAD_{TP}} = 0.10$ 20 20 20 of sites [%] 0.00 0.25 10 0.00 0.25 K_W [-] $W_I [\mathrm{mm} \cdot \mathrm{mm}^{-1}]$ α [-] Hydrological model parameters (e) (g)Fract $MAD_{SP|P_s} = 339.82^{40}$ 20- $MAD_{SP\mid P_s}=0.02$ $MAD_{SP\mid P_s}=0.27$ $MAD_{SP\mid P_{s,y}}=0.02$ $MAD_{SP|P_{s,y}}=0.14$ $MAD_{SP|P_{s,y}} = 314.84$ $\overline{MAD_{TP}}=0.06$ $\overline{MAD_{TP}} = 0.01$ 20 $\overline{MAD_{TP}}=144.86$ 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 $MAD_{SP\mid P_s}=0.17$ $MAD_{SP\mid P_s}=0.51$ $MAD_{SP|P_{s,y}} = 0.12$ 20 $MAD_{SP|P_{s,y}}=0.45$ $MAD_{SP\mid P_{s,y}}=0.02$ 20 $\overline{MAD_{TP}}=0.19$ $\overline{MAD_{TP}}=0.12$ $\overline{MAD_{TP}}=0.03$ 20 10 10-0.0 0.2 0.000.050 MR_{tair} MR_{netrad} sn_a [-] $[\text{mm} \cdot \text{MJ}^{-1} \cdot \text{h}^{-1}]$ $[\text{mm} \cdot {}^{\circ}\text{C} \cdot \text{h}^{-1}]$