Drought stress parameters (c) (b) (\mathbf{a}) $MAD_{SP|P_s} = 0.09$ $MAD_{SP|P_s} = 2.46$ $MAD_{SP|P_s} = 0.36$ 20 40 20- $MAD_{SP|P_{s,y}} = 1.13$ $MAD_{SP|P_{s,y}} = 0.05$ $MAD_{SP|P_{s,y}} = 0.18$ $\overline{MAD_{TP}} = 1.81$ $\overline{MAD_{TP}} = 0.07$ $\overline{MAD_{TP}} = 0.13$ 10 20 10-0.3 0.05 2.5 0.2 0.10 5.0 0.1 K_W [-] α [-] $W_I \, [\mathrm{mm} \cdot \mathrm{mm}^{-1}]$ Hydrological model parameters (d) (f) (e) (g)of sites [%] 20 20 $MAD_{SP|P_s} = 254.4220$ $MAD_{SP|P_s} = 0.03$ $MAD_{SP|P_s} = 0.12$ $MAD_{SP|P_s} = 0.12$ $MAD_{SP|P_{s,y}} = 0.02 \qquad 20$ $MAD_{SP|P_{s,y}} = 0.08$ $MAD_{SP|P_{s,y}} = 181.46$ $MAD_{SP|P_{s,y}} = 0.10$ $\overline{MAD_{TP}} = 154.07$ $\overline{MAD_{TP}} = 0.02$ $\overline{MAD_{TP}} = 0.04$ $\overline{MAD_{TP}} = 0.10$ 10 10 10 0.0 0.2 0.000.00.5 200 0.02 MR_{tair} AWC [mm] PET_{scalar} [-] $\theta \, [\mathrm{mm} \cdot \mathrm{h}^{-1}]$ $[\text{mm} \cdot^{\circ} \text{C} \cdot \text{h}^{-1}]$ (h) (i) 40-20 $MAD_{SP|P_s} = 0.65$ $MAD_{SP|P_s} = 0.03$ $MAD_{SP|P_s} \ MAD_{SP|P_{s,y}}$ $MAD_{SP|P_{s,y}} = 0.02$ $MAD_{SP|P_{s,y}} = 0.54$ $\overline{MAD_{TP}} = 0.03$ $\overline{MAD_{TP}} = 0.36$ 20-10- MAD_{TP} 0.000.05 MR_{netrad} sn_a [-]

Fraction

 $[\text{mm} \cdot \text{MJ}^{-1} \cdot \text{h}^{-1}]$