## reshuffled by years Maize Rice Wheat 30 30 20 20 count 20 10 10 10 0 0 -100 100 -50 50 -60 -30 30 60 -200 100 200 0 -100 0 AOT40 coefficient ( $\times 10^{-8}$ ) reshuffled by locations Maize Rice Wheat 40 30 30 30 count 20 20 20 10 10 10 0 0 40 -60 -30 30 -100 0 -200 100 200 -40 0 60 0 AOT40 coefficient ( $\times 10^{-8}$ ) reshuffled by years Maize Rice Wheat $AOD^2$ coefficient ( $\times 10^{-3}$ ) 40 150 20 100 20 10 50 0 0 0 -50 -10 -20 -100 -20 -40 -150 -30 30 20 -200 -100 Ò 60 -20 -60 -40 Ò 40 100 200 0 AOD coefficient ( $\times 10^{-3}$ ) reshuffled by locations Maize Rice Wheat $AOD^2$ coefficient ( $\times 10^{-3}$ ) 30 30 100 20 20 50 10 10 0 0 0 -10 -10 -50 -20 -20 -30 -100 50 -200 -25 25 100 200 -50 -25 -100 25 0 0 0 AOD coefficient ( $\times 10^{-3}$ )