Frontal Rain Event (FRE) Climatology, 1951-2007 a) Mean Total Rainfall (mm day⁻¹) 50 100 150 200 250 300 350 Day # 240 36 10 1 2 3 4 5 М М S 0 F Α Ν D b) Probability of FRE centered at given latitude (%) 350 Day # 2 40 36 2 4 5 1 |3| F М S Μ 0 Α Α Ν D c) Mean FRE intensity (mm day⁻¹) 20Ó 250 300 350 100 150 Day # **2**40 2 3 4 5 [−]36 35 30 25 20 15 10 S F М Α М Α Ν 0 D d) Mean FRE frequency and daily intensity 150 100 200 250 300 350 50 Day # <u>§</u>100 1 5 4 Frequency 80 Frequency 60 Intensity 40 14 pt Intensity 20 0 S D F Μ М 0 Ν Α