## Pearson correlations with Longitude – Line level CCRT\_F CCRT\_M CSM\_F Dia\_F DT\_A\_F DT\_A\_M CSM\_M 2000 -1900 250 1.4 1.3 250 1750 1700 240 240 1500 1500 1.0 -0.9 R = 2.083, p = 0.281250 1300 20 30 -10 0 10 20 30 -10 0 10 20 30 10 20 30 10 20 30 10 20 30 -10 010 20 30 -10 0-10 0DT\_P\_NA DW\_F DW\_M HSM\_M Fec\_F HSM\_F LA\_Activity\_B 125 450 0.55 0.30 400 400 160 100 0.50 0.28 -350 75 350 140 0.45 20 0.24 300 120 -0.40 R = 0.17, p = 0.03R = 0.23, p = 0.0023R = -0.28, p = 0.0074200 **Population** -10 0 10 20 30 -10 0 10 20 30 -10 0 10 20 30 10 20 30 -10 0 10 20 30 -10 0 10 20 30 -10 0 10 20 30 -10 0 ΑK Pgm\_T4\_F LA\_CircPhase\_B LA\_NDlog2\_B LA\_Period\_B LS\_F Pgm\_T5\_F LS\_M GI 60 60 55 0.9 KA 13 -24.5 55 0.0 50 MA 12 · MU 11 -24.0 -0.540 RE 40 R = -0.066, p = 0.39R = -0.31, p = 0.0025R = 0.24, p = 0.02R = -0.065, p = 0UM -10 0 10 20 30 10 20 30 -10 0 10 20 30 -10 0 10 20 30 10 20 30 -10 0 10 20 30 -10 0-10 0-10 0 10 20 30 VA Pgm\_Total\_F SR\_F TL\_F Pgm\_T6\_F TL\_M YΕ SR\_M Via\_NA 0.9 1050 -1.2 -120 -90 1.00 8.0 850 0.7 1000 100 0.75 0.6 800 950 0.50 -80 -R = 0.0012, p = 0.99R = -0.019, p = 0.81750 - R = 0.1, p = 0.22R = -0.1, p = 0.18900 10 20 30 -10 0 10 20 30 -10 0 10 20 30 10 20 30 10 20 30 -10 0 10 20 30 -10 010 20 30 WA\_L\_F WA\_R\_F WA\_R\_M WA\_L\_M 3000 -3000 -2600 -2600 -2900 2900 2500 2500 -2800 2800 2400 2400 2700 2700

R = -0.24, p = 0.0012

-10 0 10 20 30

Longitude

Line random coefficients

R = -0.24, p = 0.0013

-10 0 10 20 30

R = -0.21, p = 0.0065

-10 0 10 20 30

2300

R = -0.22, p = 0.0046

-10 0 10 20 30

2300