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 1.0 -1500 1500 0.9 R = 2.084, p = 0.281250 1300 20 30 -10 0 10 20 30 10 20 30 10 20 30 10 20 30 10 20 30 -10 0-10 010 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 60 GI 60 55 13 -0.9 KA 24.5 55 0.0 50 MA 12 · MU 11 -24.0 -0.540 RE 40 R = 0.017, p = 0.82R = -0.066, p = 0.39R = -0.31, p = 0.0025R = 0.24, p = 0.02R = -0.065, p = 0UM 10 20 30 -10 0 10 20 30 -10 0 10 20 30 -10 0 10 20 30 10 20 30 10 20 30 -10 0-10 0-10 0 10 20 30 -10 0VA Pgm_Total_F SR_F TL_F Pgm_T6_F SR_M YΕ TL_M Via_NA 0.9 1.2 -120 -90 1040 1.00 -8.0 870 0.7 100 0.75 0.6 960 0.50 -80 -0.5 R = 0.0012, p = 0.99R = -0.019, p = 0.8R = 0.093, p = 0.28R = -0.084, p = 0.2-10 0 10 20 30 10 20 30 -10 0 10 20 30 10 20 30 -10 010 -10 010 20 30 -10 010 20 30 WA_L_F WA_R_F WA_R_M WA_L_M 3000 -2600 -3000 2600 -2550 2550 **-**2900 2900 2800 2800 2450 2450 2700 2700 R = 0.23, p = 0.0029R = -0.27, p = 0.0002

-10 0 10 20 30

Longitude

-10 0 10 20 30

Line random coefficients

R = 0.22, p = 0.0044

10 20 30

-10 0

10 20 30