Pearson correlations with Latitude – Line level CCRT_F CCRT_M CSM_F DT_A_F CSM_M Dia_F DT_A_M 2000 1900 250 1.4 1.3 -250 1750 1.2 240 1700 240 1500 1500 1.0 0.9 -0.042, p = 0.59220 0.8 -1250 1300 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 45 50 55 60 40 DW_F DW_M HSM_F HSM_M LA_Activity_B DT_P_NA Fec_F 125 450 0.55 0.30 400 400 160 **-**100 0.28 -350 350 75 140 -300 20 250 120 0.40 R = 0.00041, p = 1R = 0.31, p = 5e - 05R = -0.25, p = 0.016200 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 45 50 55 60 40 45 50 55 60 **Population** 40 Line random coefficients ΑK LA_CircPhase_B LA_NDlog2_B LA_Period_B LS_F Pgm_T5_F LS_M Pgm_T4_F 60 GI 60 55 KA 13 -0.9 24.5 55 50 MA 12 45 MU 11 -24.0 -0.545 10 RE R = -0.28, p = 0.0002R = -0.38, p = 0.0004p = 0.014R = 0.43, p = 2.2e - 05R = 0.24, p = 0.0014-0.08, p = 0.08UM 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 VA Pgm_Total_F Pgm_T6_F YΕ SR_F SR_M TL_F TL_M Via_NA 0.9 120 1.2 1040 90 1.00 8.0 870 0.7 100 0.75 0.6 0.50 80 0.5 R = 0.51, p = 1.1e-12 -0.022, p = 0.78P = 0.37, p = 7.7e - 07R = -0.14, p = 0.1245 50 55 60 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 45 50 55 60 40 45 50 55 60 WA_R_F WA_R_M WA_L_F WA_L_M 3000 -2600 -3000 -2600 -2550 2900 -2550 2900 2800 2700 R = -0.25, p = 0.000-0.24, p = 0.0017R = -0.25, p = 0.000-0.22, p = 0.003640 45 50 55 60 40 45 50 55 60 40 45 50 55 60 40 45 50 55 60 Latitude