Scintillation SDF Analysis: Intensity & Phase (moderate) moderate L1 | S_{A} : Th. 0.427, Exp. 0.439 moderate L2 | S_A : Th. 0.616, Exp. 0.663 moderate L5 | S_A : Th. 0.653, Exp. 0.702 SDF [dB] -20 Intensity SDF [dB] SDF [dB] -50 -40 -40 -60 Intensity Intensity Post-Propagation SDF Post-Propagation SDF Theoretical Model -100 Theoretical Model -80 Post-Propagation SDF -100 -100 Theoretical Model -150 10⁻³ 10² 10⁻³ 10² 10⁻³ 10² 10 10¹ Doppler Frequency (Hz) Doppler Frequency (Hz) Doppler Frequency (Hz) moderate L1 Phase SDF moderate L2 Phase SDF moderate L5 Phase SDF 50 50 [dB] Phase SDF [dB] SDF [dB] SDF -50 -50 -50 Phase -100 Phase Pre-Propagation SDF Pre-Propagation SDF Pre-Propagation SDF Post-Propagation SDF Post-Propagation SDF Post-Propagation SDF Theoretical Model Theoretical Model Theoretical Model -150 -150 -150 10⁻³ 10² 10⁻³ 10² 10⁻³ 10² 10⁻² 10⁻¹ 10⁰ 10 10 Doppler Frequency (Hz) Doppler Frequency (Hz) Doppler Frequency (Hz)