Ground-Based Jacobian (midlatitude-winter, $\theta = 0$) 10 1.44 1.32 1.2 8 1.08 0.96 Height [km] 6 0.84 0.72 0.6 0.48 0.36 0.24 0.12 2 0 0 10 0.00264 0.0024 8 0.00216 0.00192 Height [km] 0.00168 6 0.00144 0.0012 4 0.00096 0.00072 2 0.00048 0.00024 0

1200

1400

1600

600

800

1000

Wavenumber [1/cm]