Twilight Model (gamma) 0. Zenith angle (zero) 95.973 1. Zenith angle (median) 93.501 0.05 shape 2.565 scale 0.127 0.04 Density 0.03 0.02 0.01 0.00 0 10 50 20 30 40 twilight error (min) -5.2-4.3-2.7-0.10.7 -6 -3.5-1.8

sun elevation angle (degrees)