Errata to Field Guide to Atmospheric Optics, 2nd Ed. (FG41)  
(Nov. 19, 2021)

p. 47  Last box on the right in Flowchart. “Temporal Irradiance Spectrum” should read  
“Temporal Phase Spectrum”

p. 109: Line 8 from the top. The term “\[ 1 - \left( \frac{K_0^2 W_0^2}{1 + K_0^2 W_0^2} \right)^{1/6} \]” should be eliminated. The equation should read
\[
\langle r_c^2 \rangle = \frac{7.25 (L - z_0)^2}{W_0^{1/3}} \times \int_{z_0}^{L} C_\alpha^2(h) \left( 1 - \frac{z - z_0}{L - z_0} \right)^2 \left[ 1 - \frac{z - z_0}{F_0} \right]^{-1/3} \, dz
\]

p. 109: Line 2 from bottom. The term “\[ 1 - \left( \frac{K_0^2 W_0^2}{1 + K_0^2 W_0^2} \right)^{1/6} \]” should be eliminated. The equation should read
\[
\langle r_c^2 \rangle \approx 0.54 L^2 \left( \frac{\lambda}{2W_0} \right)^2 \left( \frac{2W_0}{r_0 T} \right)^{5/3}, \quad H \gg 20 \text{ km}
\]

p. 109: Last line reading “\[ K_0 = \frac{2}{\pi} \zeta \text{ (rad/m); } H \gg 20 \text{ km} \]” should be eliminated.

p. 126: The four graphs in the middle of the page should be replaced by the following:

Mirror target: collimated beam

Retroreflector target: collimated beam

p. 126: The Note at the bottom of page should now read (reference to focused beams removed):

**Note:** The nondimensional target size in the above graphs is \( \Omega_T = 0.02 \), which leads to a smaller enhancement from a mirror target.
p. 133 Line 3. The equation “$\langle \Omega_T << 1 \rangle$” should be “$\langle \Omega_T >> 1 \rangle$”