Optical Engineering

OpticalEngineering.SPIEDigitalLibrary.org

Review of profiling oceanographic lidar (erratum)

James H. Churnside

SPIE.

James H. Churnside, "Review of profiling oceanographic lidar (erratum)," *Opt. Eng.* **56**(7), 079802 (2017), doi: 10.1117/1.OE.56.7.079802.

Review of profiling oceanographic lidar (erratum)

James H. Churnside

NOAA Earth System Research Laboratory, 325 Broadway, Boulder, Colorado 80305, United States

[DOI: [10.1117/1.OE.56.7.079802](https://doi.org/10.1117/1.OE.56.7.079802)]

This article [*Opt. Eng.* **53**(5), 051405 (2014)] was originally published on 6 December 2013 with an error in Eqs. (1) and (9). The refractive index n should be in the denominator rather than the numerator in the first term on the right hand side of these equations. The corrected equations are printed below:

$$S(z) = \frac{EAO(z)T_oT_s^2\eta v}{2n(nH+z)^2}\beta(\pi, z)\exp\left[-2\int_0^z\alpha(z')dz'\right] + S_B, \quad (1)$$

$$\begin{aligned} S_C(z) &= \frac{EAO(z)T_oT_s^2\eta v}{2n(nH+z)^2}f_C(\pi, z)\beta(\pi, z)\exp\left[-2\int_0^z\alpha(z')dz'\right] \\ S_X(z) &= \frac{EAO(z)T_oT_s^2\eta v}{2n(nH+z)^2}\left[f_X(\pi, z)\beta(\pi, z) \right. \\ &\quad \left. + 2\int_0^z\gamma(z')dz'f_C\beta(\pi, z)\right]\exp\left[-2\int_0^z\alpha(z')dz'\right]. \quad (9) \end{aligned}$$

The paper was corrected online on 11 July 2017.

E-mail: james.h.churnside@noaa.gov

© 2017 Society of Photo-Optical Instrumentation Engineers (SPIE)