

Reply

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I acknowledge and agree with the comments made on *Harkrider* [1964] by A. D. Pierce.

In addition, I would like to correct equation 2 on page 5297 of that article. It should be

$$\begin{aligned} \frac{1}{r} \frac{\partial}{\partial r} \left(r \frac{\partial p_s}{\partial r} \right) + \frac{1}{h_s} \left(\frac{\partial^2 p_s}{\partial z^2} + \frac{\gamma g_s}{\alpha_s^2} \frac{\partial p_s}{\partial z} + \frac{\omega^2}{\alpha_s^2} p_s \right) \\ = [\rho_s^0(z)/\rho_s^0(D)]^{1/2} \cdot \frac{\delta(r)}{r} \delta(z - D) e^{i\omega t} \quad (2) \end{aligned}$$

No changes in the remaining equations are necessary.

REFERENCES

Harkrider, D. G., Theoretical and observed acoustic-gravity waves from explosive sources in the atmosphere, *J. Geophys. Res.*, *69*, 5295-5321, 1964.

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