**Publisher's Note: Constraining a dark matter
and dark energy interaction scenario
with a dynamical equation of state
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This paper was published online on 20 June 2017 with errors in Eqs. (7), (9), and (16). Equation (7) should read as

$$\rho_{DE} = \frac{(1+z)^3}{f(z)} \left[\rho_{DE,0} f(0) + \delta \rho_{dm,0} \int_0^z (1+z)^{-1-\delta} f(z) dz \right].$$

Equation (9) should read as

$$\begin{aligned} \left(\frac{H}{H_0} \right)^2 &= \Omega_{r0}(1+z)^4 + \Omega_{b0}(1+z)^3 + \Omega_{dm,0}(1+z)^{3-\delta} \\ &+ \frac{(1+z)^3}{f(z)} \left[\Omega_{DE,0} f(0) + \delta \Omega_{dm,0} \int_0^z (1+z)^{-1-\delta} f(z) dz \right]. \end{aligned}$$

Equation (16) should read as

$$\begin{aligned} \left(\frac{H}{H_0} \right)^2 &= \Omega_{r0}(1+z)^4 + \Omega_{b0}(1+z)^3 + \Omega_{dm,0}(1+z)^{3+3\eta} \\ &+ \Omega_{DE,0}(1+z)^{3(1+w_0+\frac{w_\beta}{\beta})} \exp \left(\frac{3w_\beta}{\beta^2} \{ (1+z)^{-\beta} - 1 \} \right). \end{aligned}$$

The authors thank Somasri Sen for finding the misprints. The paper has been corrected as of 17 October 2017. The equations are correct in the printed version of the journal.