

CORRIGENDA

LAKSHMIVARAHAN S.*, HONDA Y., and LEWIS J.M. Second-order approximation to the 3DVAR cost function: application to analysis/forecast. *Tellus* **55A**, 371–384

We have noticed several errors in our paper, which was published in 2003.

1. Section 4, The second-order method:

In the sixth line $J : R^n \rightarrow R$, the R's should be bold capitalized

2. Section 5: Special Case: first-order method

In equation (5.4), the expression $[B^{-1} + D_h^T(x_c)R^{-1}D_h^T(x_c)]$ in the third line of (5.4) should be changed to $[D_h^T(x_c)R^{-1}D_h(x_c)]$

3. Section 7.2 Results:

In Table 5A. The evolution of the forecast of the true state from time $n = 4$ to 12, the first three numbers in the last column $\times 3$ given as 0.51269, 0.72028 and 0.98574 should read as 0.051269, 0.072028 and 0.098574 respectively.

4. There are 3 errors in the Reference list:

- Le Dimet F.X., Navon, I.M. and Descau D. N., 2002 should be
 Le Dimet, F.X., Navon, I.M. and Daescu D.N., 2002
- Wang, Z., Navon, I, Le Dimet F and Zhou X. 1992 should be:
 Wang, Z., Navon, I. M., Le Dimet F. X. and Zou X., 1992
- Wang Z, Navon I. Zou X., and Le Dimet F, 1995 should be:
 Wang, Z., Navon, I. M., Zou X., and Le Dimet, F. X., 1995

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HANDLER R. A. *, SMITH G. B., and LEIGHTON R. I. The thermal structure of an air-water interface at low wind speeds. *Tellus* **53A**, 233–244

We have noted several typographical errors in our paper, which was published in 2001.

Equation (5) should read:

$$\frac{\partial \theta}{\partial z} = -q_s/k$$

The third and fourth sentences on page 238 should read:

In this case, $U_d/U_w \approx 0.014$, where U_w is the wind speed. This is considerably lower than the often quoted values of Eulerian and Lagrangian drift speeds which are typically found to be 0.02 and 0.03 respectively (Cheung and Street, 1988).

On page 241, the third sentence in the second column relating the surface drift velocity to the wave speed should read:

In further support of this approximation, we note that the surface drift velocity is negligibly small compared to the speed of a gravity wave, $U_d/c \sim 0.1$, so that the surface temperature field evolves little during the time scale associated with the passage of a wave.

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