

Dear Dr. Caldwell,

Thank you very much for handling the review of our manuscript, "Stripe Patterns in Wind Forecasts Induced by Physics-Dynamics Coupling on a Staggered Grid in CMA-GFS 3.0" (Manuscript ID: egusphere-2025-2704). We are pleased to hear that the manuscript has been accepted pending minor revisions. We have carefully considered all your suggestions and have revised the manuscript accordingly. The changes are detailed below.

1. L54-57: I found description of the Lorenz (L) and Charney-Phillips (CP) grids to be insufficient. For example, if thermodynamic and dynamic variables are at half levels on the L grid, what's at full levels? I think the authors are missing description of vertical winds.

Response: We agree and thank you for this suggestion. We have revised the text to explicitly state the location of the vertical velocity and to clarify the variables at the full-levels. Please see the lines 54-60 in the revised manuscript.

2. I found it odd that the authors insert a "{" symbol to the left of systems of equations. If this is normal in Europe disregard my comment.

Response: We thank you for this careful observation. We have checked the formatting against published articles in GMD and, accordingly, have removed the left curly brace '{' from equations (1-2) and (14-16) to align with the journal's standard convention.

3. Similarly, I think Eq 5 should start with " $K(z) = \{$ " rather than having $K(z)$ on the upper condition.

Response: We agree with you. We have revised Equation 5 to place ' $K(z) =$ ' before the opening curly brace, as you suggested.

4. eq 17: "otherwise" is misspelled.

Response: We have revised this typo in Eq. 17. Thank you very much.

5. line 50: Need "s" after "model" in "In NWP model, ..."

Response: Thank you very much for this careful observation. We have revised this typo. Please see Line 48.

In accordance with the 'Notification to the Authors', we have ensured that Figure 4 is successfully embedded in the PDF and that all figures have been verified—using the Cobliis simulator—to meet accessibility standards for readers with color vision deficiencies.

Additionally, we have corrected two minor errors in the text.

(1) We have corrected the equation label that was mistakenly identified as '17' to the correct number '16'.

(2) We have also adjusted the format of the longitude and latitude at Line 148 to ensure consistency throughout the manuscript.

Thank you for your time and consideration.

Sincerely,
Jiong Chen