

Geosci. Model Dev. Discuss., referee comment RC2
<https://doi.org/10.5194/gmd-2021-316-RC2>, 2022
© Author(s) 2022. This work is distributed under
the Creative Commons Attribution 4.0 License.

Comment on gmd-2021-316

Anonymous Referee #2

Referee comment on "Development and evaluation of an advanced National Air Quality Forecasting Capability using the NOAA Global Forecast System version 16" by Patrick C. Campbell et al., Geosci. Model Dev. Discuss.,
<https://doi.org/10.5194/gmd-2021-316-RC2>, 2022

The paper describes the development and evaluation of a forecasting system, describing in details how this is implemented to cover meteorology, emissions and air quality.

The paper is really interesting, comprehensive, and well written.

I only have a suggestion for improvement. For me it was not easy in the beginning to find 'validation metrics' for the system, even if validation is performed and properly presented. I would suggest the authors to put the validations part in separated sections, so that is more visible to the reader.