

Authors response to corrections for cp-2019-151

“Data-constrained assessment of ocean circulation changes since the middle Miocene in an Earth system model” Crichton et al.

All reviewers comments and technical corrections were implemented, and marked up in the corrected version, including:

- Some changes to introductory paragraph on mid-Miocene CO₂ levels
- Adding citations for more appropriate references for the disappearance of the Tethys Sea
- Reviewer requested R² values for figures 9 -11, instead we point readers to our model-data fit statistic M-score in figure 5

Other very small changes to the text requested by co-authors – and is marked up in the corrected version, and do not change any of the meaning of the content of the accepted version.