

## ***Interactive comment on “Linking big models to big data: efficient ecosystem model calibration through Bayesian model emulation” by Istem Fer et al.***

**Istem Fer et al.**

[fer.istem@gmail.com](mailto:fer.istem@gmail.com)

Received and published: 28 February 2018

Dear reviewers and colleagues,

Unfortunately during the re-formatting step, a misalignment occurred in Table 2's columns. Please consider the following format for it.

We apologize for the inconvenience.

Istem Fer, On behalf of all Co-Authors

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2018-96>, 2018.

C1

Table 2. Performance statistics of ensemble means before and after the PDA for both models and output variables. While root-mean-square-error (RMSE) scores evaluate the absolute deviations of model predictions than data, deviance ( $-2 \times \log$ -likelihood) scores evaluate predictive ability. For both metrics lower scores are better.

420 SIPNET<sub>E</sub>: Emulator PDA. SIPNET<sub>B</sub>: Brute-force PDA. Bold RMSE values for NEE and SoilResp were rescaled by  $10^6$  for easier comparison.

		NEE		LE		SoilResp	
		pre-PDA	post-PDA	pre-PDA	post-PDA	pre-PDA	post-PDA
RMSE	SIPNET <sub>E</sub>	<b>140</b>	<b>45</b>	89	81	<b>18</b>	<b>21</b>
	SIPNET <sub>B</sub>		<b>43</b>		77		<b>32</b>
	ED2	<b>122</b>	<b>68</b>	124	89	<b>29</b>	<b>18</b>
Deviance	SIPNET <sub>E</sub>	2745	1073	9879	8469	-1333	-1372
	SIPNET <sub>B</sub>		944		8331		-1315
	ED2	3152	1523	9914	9103	-1380	-1390

**Fig. 1.** Corrected Table 2 columns

C2