

Response to the Editors comments

EC (Page 2 eq. 3): *Show these terms with a larger font*

AC : The terms are now enlarged.

EC (Page 2 below eq. 3): *name/definition of the bias terms (humidity, temperature, pressure)*
5 *required here*

AC : The sentence was changed to: "For CO₂, the bias terms due to the water vapour, temperature and pressure fluctuations in the sample volume (F_q, F_T and F_P , respectively) ... "

EC (Page 3): *computed, using a, increased, to a*

AC : The spelling corrections have been made.

10 EC (Page 5 below eq. 5): *should this be " a subscript n" rather than " a subscript j"?*

AC : Changed to "a subscript". Thanks!

EC (Page 5): *... and produce a new correction term via ~~via~~ ...*

AC : The second "via" was removed

EC (Page 6 below the heading Discussion): *Why the large space here?*

15 AC : LaTeX aligned the text block at the bottom. Inserting a /newpage command at the end of the discussion block changes the alignment to top. But this should be checked during the type setting process.

EC (Page 6): *"The magnitude and scatter of the bias in the CO₂ flux results from the un-dried CP systems increased with the latent heat flux." - This sentence doesn't appear correct. Should it say*
20 *"AND increaseS with the latent heat flux"?*

AC : The sentence was changed to avoid the ambiguity and a reference to figure 5 was inserted: "The magnitude of the scatter in the CO₂ fluxes from the un-dried CP systems increases with the latent heat flux (Fig. 5)."

EC (Page 9, tab. 1): *... ~~that are relevant for~~ addressing ...*

25 AC : Changed to "addressing"

EC (Page 9, tab. 1): *"tests show" or "test shows"*

AC : Changed to: "tests show"

EC (Page 9, tab. 1): *"first air-sea EC CO₂ fluxes consistent with bulk formulas "*

AC : Changed to formula

³⁰ **EC** (Page 11 Fig. 7): *"... A linear regression to the data is shown as a solid black line ..."*

AC : The "a" was inserted.

EC ():

AC :