

Dear Dr. Gazeau,

Thank you for your quick review of our revised manuscript. Per your request, we have added a new column to Table 1, listing precision/accuracy for the measurements as best we can describe them. Most are based on the standard deviation of sub-second burst measurements (where available) – these are also provided in the full data record as noted previously in the text. A few are from the manufacturer specifications or literature.

We were unable to find accuracy values for the CCMP gridded winds – these are not explicitly provided as a value in the literature. In that case, we direct the reader to the appropriate paper so they can use their best judgement. The only measurement where we do not provide a precision/accuracy value is for the outgoing longwave radiation measurement. This was not an instrument for our mission, but an instrument provided by the SO-CHIC mission as mentioned in the text. We can find absolutely no mention of accuracy or precision estimates in the literature or manufacturer on this instrument, merely algorithms for converting the actual measurements of microwave irradiance into a flux, which was done onboard. Therefore, we have stated “Unknown. Deployed by SO-CHIC mission” for this one.

We feel this is the best we can do for this, and we note again that we find few papers in the literature using similar instruments that go into this level of detail. Hopefully, this is now acceptable.

We have also modified Table 2 to refer to the specific variables stored in the data set in Table 1. Trying to list ALL variables in this table would be cumbersome. Again, we hope this is now acceptable.

Please let us know if you have any further requests.

Regards,

Don Chambers
(for the author team)