From the author's response, they have answered all the questions raised by my first round of review, received my comments and made corresponding modifications in the revised manuscript. I have no more specific comments.

In the paper "Evaluation of OAFlux datasets based on in situ air-sea flux tower observations over the Yongxing Islands in 2016" the authors introduce the system design of a high quality air-sea flux tower (YXASFT) in the SCS, and also describe the air-sea interface observations in the Yongxing Island (SCS) for a long time period (a whole year). This area is characterized by a deep depth (around 1000m), and such data are very important for understanding the air-sea energy exchange in deep sea area. Given the importance of the OAFlux reanalysis datasets in the air-sea interaction research community, they evaluated the OAFlux datasets comprehensively using observations and provided some new conclusions. For example, they found that the reliability of OAFlux reanalysis data varies seasonally in the SCS, and gave suggestions on how to select OAFlux parameters in different seasons. Moreover, the authors analyzed the possible factors affecting the biases of OAFlux heat flux in different seasons.

Overall, this paper is well written with clear ideas and conclusions, the data observed from YXASFT are very rare and variable for air-sea interaction research in the SCS, and the content of this paper focuses on observation technology and data analysis, which is suitable for publication in the prestigious AMT.

So my conclusion is: this paper should be accepted and published in the final publication in AMT.

Other points:
P.24, P.25 In Figure 5,6, you have four panels on one figure with the same time scale in the X axis, I suggest to merge the four X axis into one, that will make the figure clearer.