

### Comments to the author:

Dear Authors,

I am recommending accept subject to resolving a few technical issues raised by R1:

I have just noticed a few typos in the modifications:

Page 6, lines 127-128: LAI(i) is the leaf area index above the ith canopy layer, LAI(i) is the leaf area index in and above the ith canopy layer -> Should the second one be LAI(i+1)?

Page 6, line 128: distinction coefficient -> extinction coefficient?

Page 6, line 131: J is the number of azimuth angle-> angles

Best wishes,

Martin De Kauwe

### Responses

We thank Dr. Kauwe and two reviewers for your appreciation and support of the paper. We have now made the changes mentioned above to fix the typos we had. Besides, we also made an additional change in the acknowledgements (track changes version, [blue](#) for new inserted text)

- Line 401-403: “We gratefully acknowledge the generous support of Eric and Wendy Schmidt (by recommendation of the Schmidt Futures) and the Heising-Simons Foundation. CF was supported by NASA OCO 2/3 science team grant no. 80NSSC18K0895 [and by the NASA CCS \(Carbon Cycle Science\) grant no. 80NSSC21K1712.](#)”