Comments to author:

The authors have done some work to appropriately address my remarks and provide answers. The relevant discussion was also included at several places throughout the manuscript. I therefore recommend the manuscript be accepted for publication once the authors make the following typos that should still be considered.

L15: May delete ‘efficient’.
L39: Consider using ‘remote sensing of earth’ instead of ‘earth remote sensing’.
L51: May use [ ] instead of the outer ().
L66: May use ‘various’ or other words instead of ‘all kinds of’?
L118: Similar to the study (or implementation) in Mechri et al…….
L125: May delete ‘Explicitly’.
L136: The equation never happens in mathematic unless $\alpha$ is 1. May use another letter for the left $C_b$.
L150: Eq.2 $\rightarrow$ Eq. 3
L154: Move the definition of $\sigma$ at L158 to this line.
L158: Is $n$ at L137 the same as $p$ at L158? If so, why not use the same letter, $n$ or $p$?
L255: The sentence is too long. Rewrite it.
L297: Fig. 2 looks fine. However, cloud fraction and Normalized Jo are not the same thing. It may be better to consider Normalized Jo as Fig. 3.