Dear Farahnaz,

Thank you for taking a last look at our manuscript. We have implemented the last reviewer comment regarding the units of Figure 2b (we changed DU to DU/layer as requested). We also implemented your suggestions:

Public justification (visible to the public if the article is accepted and published):
Dear authors,

I am pleased to inform you that your manuscript is accepted for publication in ACP after technical corrections. Please find enclosed the report from one referee. There is only one small technical issue left that should be corrected. Further, I would like to ask you to consider the following technical corrections:

P5, L133: write reference as Bhartia et al., 1993 to avoid double closing parenthesis? Here, I am actually not sure what the Copernicus style is. Maybe you could check their guidelines? Done.
P7, L162-163: Sentence correct? Please check. Sentence is correct.
P7, L180-181: Avoid separation of number and unit. Done across the manuscript.
P14, L318: Why is the text in italic? Please use upright font. Changed to upright font.
P15 and throughout the manuscript: Figure should be abbreviated as “Fig.” except if it appears at the begin of sentence. In this case it is written as “Figure”. Done, as well as "section” -> “Sect.” Following the Copernicus guidelines.
P15, L374-375: Same as for P7, L180-181. We modified this paragraph a bit to shorten and clarify the sentence.
P23, L485: Add also the long version of the instrument names. The full instrument names and their abbreviations are defined in Section 4.4 (L441-449) — is it necessary to add the information here again?
P25, L513: Remove “Disclaimer” (since you obviously have none). Done.
References: Check Copernicus guidelines for references. Journal names should be abbreviated. Bibliography was updated according to Copernicus guidelines (including DOIs).

Best regards, Farahnaz Khosrawi