

Thank you for your comments and suggestions, which we have taken into account in the new version.

Schwander et al. 2024

Thank you for your revised submission, I am pleased to recommend publication subject to the following minor amendments, for improved understanding.

*Suggested amendments*

*L14: Remove 'large' – this is subjective. If you want to note the size discrepancy between the borehole and the RADIX logger, I suggest 'In June 2023, we fitted the logger with an adapter to enable operation and testing in the deep EGRIP borehole'.*

done

*L15: switch 'excellent' for 'high quality' or 'error free' to reduce subjectivity*

Changed to 'high quality'

*L26: join two sentences, to read 'It is designed to operate in bubble-free ice, since in bubbly ice the reflected light saturates the amplifier'.*

done

*L42: stray light – should be two words I think*

done

*L49: can you include an estimate of the concentration range? (even order of magnitude would be helpful for context)*

(10 to 1000 ppb for the Antarctic plateau)

*L65: as above – order of magnitude estimate in brackets would be helpful*

(100 to 10'000 ppb)

*L96: comma after 'hoisting'*

done

*Figure 3: I would be interested in a brief sentence in the discussion on the discrepancy between RADIX and ABAKUS records at 1337.9m, but this is at your discretion.*

The records shown in Fig. 3 exhibit several positive and negative discrepancies. Due to topographical surface features, we do not expect homogeneous dust deposition and thus homogeneous concentrations in horizontal layers. As we do not have precise information on these variations, we refrain from discussing the observed deviations.