Interactive comment on "A note on precision-preserving compression of scientific data" *by* Rostislav Kouznetsov

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Major Comments: The paper described a method which is simple but its utility has great implication in practical and real problem of data archival. A little bit of description may be added in the introduction to establish the need of such a method. As the same has been mentioned by other reviewers, the elaboration on this point is skipped here. The methodology part of the paper which describes different precision algorithm based on the static specification of the bits of mantissa is lacking a little visibility without schematics through diagram. The diagram showing distribution of values in the 32 bits may be schematically presented for a broad class of readers. If within the scope of the paper, the use of the specified method within NCO for real data may be tested and test result statistics may be added in the appendix.

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Minor Comments: The label of the Fig 2 (b) is not visible as it is hidden within the plots. The same may be rectified.