

Earth Syst. Sci. Data Discuss., referee comment RC2  
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## **Comment on essd-2021-75**

Leonid Yurganov (Referee)

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Referee comment on "Design and description of the MUSICA IASI full retrieval product" by Matthias Schneider et al., Earth Syst. Sci. Data Discuss.,  
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The IASI interferometer data are of great significance for global atmospheric research. The authors demonstrated a high professional quality of spectra analysis and state-of-art retrieval algorithm. A rather large TOTAL data volume is not a serious disadvantage, a real disadvantage is archiving orbit-by-orbit mode. A global coverage is not necessary for many applications, but users have to download global data and delete unnecessary information to save memory. Downloading of ~ 1 TB (one year) may take ~ 50 hours. It may be suggested a simple filtering service of a type as follows.

1) Reading standard .nc file; 2) selecting user-defined list of variables; 3) writing of data in a new .nc file.