Review on ‘Long-term time series of ground-based NDACC FTIR trace gases at Paris between 2011 and 2022’ by Fu et al., 2026

This manuscript presents a comprehensive overview of the FTS-Paris station, detailing its instrumentation, the automated operation software (FTSpectRA), the SFIT4 retrieval strategy, and the resulting long-term time series (2011–2022) of 10 NDACC-IRWG trace gases. The paper is well-structured, highly relevant to the scientific community, and fully aligns with the scope of ESSD by providing an openly accessible, high-quality dataset. I recommend the manuscript be accepted after addressing the following comments.

Major comments:

- The authors report that the fraction of measurement availability increased quite a lot after the implementation of FTSpectRA. I wonder whether this increased operational efficiency will introduce temporal sampling biases into the dataset. For instance, did the pre-FTSpectRA measurements strongly favor clear-sky conditions, and how might this affect the homogeneity of the long-term time series?

Minor Comments:

- Figure 2 is not clear, and Figure 3 is too small to read.
- Figure10: what about your DOFs in these cell PROFFIT retrievals?
- Figures A3 A5 A7 A11, A13, it is very hard to read the wavenumbers in the x-axes.