This paper shows VMR profiles for most of the species retrieved with the latest versions from MIPAS-(E/B). I respect continuous efforts of these retrieval updates along with validation studies for ~20 years. I have no objection for this present status, but several suggestions as below will be addressed properly.

Major suggestions:
Because the authors show results of comparison between MIPAS-E and -B with little discussion on the differences, the title of this paper would be categorized into "Technical note". The authors might be considered this.

Minor comments:
p.2, L.58, Along with (1) and (2), there is a dynamical approach using potential vorticity and potential temperature field as suggested by Manney et al. (JGR, 2001).

p.5, L.142, Before Table 1, I suggest to add a short comparison among MIPAS-E (FR and OR) and MIPAS-B specifications using a table: vertical resolutions, spectral resolutions, retrieval grids, and so on.

p.8, L.218, For SZA corrections, did you change (correct) MIPAS-E data to match the MIPAS-B's SZA only for the daytime?

References