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The seasonal and interannual variability of the tropopause height and temperature was studied using the information from 41 upper-air sounding stations located south of 30° during 2015–2024. Average values and the distribution of the tropopause characteristics were obtained, and the influence of the Antarctic continent on the tropopause location was discussed. A search for trends in the tropopause height in the Southern Hemisphere over the past decade was carried out.

Keywords: tropopause, Southern Hemisphere, upper-air sounding

Tab. 3. Fig. 8. Ref. 14.