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A brief overview of the circulation features in the troposphere and lower stratosphere of the Southern Hemisphere is presented. Seasonal and long-term changes in the position and intensity of jet streams are considered. Features of the behavior and structure of the tropopause are described, including the polar night time. The impact of global warming and changes in stratospheric ozone on the circulation variations in the Southern Hemisphere is discussed.

Keywords: circulation indices, Southern hemisphere, tropopause, jet streams, ozone

Fig. 1. Ref. 62.