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The South Asia Low is considered, that is a seasonal center of atmospheric action, a predominant type of circulation in the lower troposphere during the warm season over the Near and Middle East. The generalized factorial model of the low for the levels of 1000, 925, and 850 hPa is presented. The dependence of generalized characteristics of the low structure on surface air temperature in the summer months is estimated for different types of the low. The results of the present study extend information about the seasonal center of atmospheric action: they allow obtaining typical fields of the low taking into account the features of internal structure; revealing peculiarities of meteorological conditions for different types of the low (in different parts of the analyzed macroregion). The identified generalized characteristics of the low structure can be used for constructing forecast models.

Keywords: South Asia Low, geopotential height, reanalysis, isobaric level, factor, cluster, correlation coefficient

Tab. 1. Fig. 9. Ref. 9.