



Optik TU-134 aircraft laboratory

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In this paper we present a description of the Optik TU-134 aircraft laboratory constructed in 2011 instead of the Optik-É AN-30 airborne research platform used before (Antokhin et al., 2012). Scientific instrumentation complex consists of the equipment enabling in-situ and remote sensing measurements of trace gas species and aerosols simultaneously with meteorological and navigation parameters. Remote sensing instruments placed on board the aircraft laboratory allow measurements of atmospheric and underlying surface properties to be carried out. Some results obtained recently in the framework of several research projects are presented.

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