

COSMIC RAYS AND ATMOSPHERIC PROCESSES

Y.I. Stozhkov, V.I. Ermakov, and V.S. Makhmutov
Lebedev Physical Institute, RAS, Moscow, Russia

Cosmic rays play important role in many atmospheric processes. We consider the following issues: ion production in the atmosphere; role of cosmic rays in the global electric circuit operation (the relationship of cosmic ray fluxes with air electric current, thundercloud electricity and lightning production); the relationship between cosmic ray fluxes and cloud coverage.