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Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Atmosphere Physics -- Analysis of Ionospheric Parameters During Solar Events and Magnetic Storms -- 1 Introduction -- 2 Generalized Multicomponent Model of Ionospheric Parameters and a Method for Detecting Ionospheric Disturbances -- 2.1 Regular Component of the Model and a Method for Detecting Intense Ionospheric Disturbances -- 2.2 Anomalous Component of the Model and a Method for Detecting Shot-Period Ionospheric Disturbances -- 3 Experimental Results and Discussion -- 4 Conclusions -- References -- Estimation of Characteristics of Atmospheric Ionization Rates Taking into Account Different Energies of Precipitating Electrons -- 1 Introduction -- 2 Ionization Rates Taking into Account Electrons with Initial Energy from Several of keV Up to Several MeV -- 3 Conclusions -- References -- Dust Plasma in the Region of Active Influence on the Ionosphere -- 1 Introduction -- 2 Method -- 3 Results -- 4 Concluding Remarks -- References -- Ozone Dynamics During Geomagnetic and Meteorological Disturbances in October 2015 and 2018 -- 1 Introduction -- 2 Data and Selections of Event -- 3 Ozone in the Mesosphere and Lower Thermosphere -- 4 Discussion -- 5 Conclusion -- References -- Observations of the Meteoric Aerosol in the Stratosphere Above Tomsk in August 2013 -- 1 Introduction -- 2 Experimental Data and the Procedure of Trajectory Analysis -- 3 Results of the Lidar Observations of Aerosol

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