1. Record Nr. UNINA9910830681403321 Ionospheric space weather: longitude and hemispheric dependences Titolo and lower atmosphere forcing / / Timothy Fuller-Rowell [and three others], editors Hoboken, New Jersey:,: Wiley,, [2017] Pubbl/distr/stampa ©2017 **ISBN** 1-118-92923-3 1-118-92921-7 Descrizione fisica 1 online resource (314 pages) : color illustrations, maps Geophysical monograph; ; 220 Collana Disciplina 551.5145 Soggetti Ionospheric forecasting Space environment Longitude Boundary layer (Meteorology) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "This work is a copublication between the American Geophysical Union Note generali and John Wiley and Sons, Inc." Includes bibliographical references and index. Nota di bibliografia Sommario/riassunto "Ionospheric Space Weather' includes articles from six science themes that were discussed at the Chapman Conference in 2012. These include: Hemispherical dependence of magnetospheric energy injection and the thermosphere-ionosphere response, longitude and hemispheric dependence of storm-enhanced densities (SED), response of the thermosphere and ionosphere to variability in solar radiation, longitude spatial structure in total electron content and electrodynamics, temporal response to lower-atmosphere disturbances, and ionospheric irregularities and scintillation. 'Ionospheric Space Weather: Longitude Dependence and Lower Atmosphere Forcing' will be useful to both active researchers and advanced graduate students in the field of physics, geophysics, and engineering, especially those who are keen to acquire a global understanding of ionospheric phenomena, including observational

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