

PEM006-14

会場:101

時間:5月25日 15:55-16:15

CAWSES-II TG 4 Longitudinal Network Campaign for investigation of atmosphere ionosphere dynamical coupling CAWSES-II TG 4 Longitudinal Network Campaign for investigation of atmosphere ionosphere dynamical coupling

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CAWSES-II, Task Group 4 works on the scientific objectives of geospace response to variable waves from the lower atmosphere. As one of the projects of this group, Project 2 focuses in a subject of the relation between atmospheric waves and ionospheric instabilities. In order to investigate it, we proposed to have a longitudinal network observation campaign around the equatorial and low latitude regions. The first tentative campaign has been carried out during the period of September to November (~75 days), 2010, crossing the September equinox. Ground based Ionosonde, magnetometer, MF radar, VHF radar, meteor radars and some other optical sensors have been used to collect mesosphere ionosphere related data from the different longitudes in a global scale. The campaign overview and some preliminary results will be presented and discussed.

キーワード: CAWSES-II, Task group 4, mesosphere-ionosphere coupling, longitudinal campaign
Keywords: CAWSES-II, Task group 4, mesosphere-ionosphere coupling, longitudinal campaign