

THE INFRARED COOLING IN THE F-REGION

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The infrared cooling by the atomic oxygen and nitric oxide in the ionosphere above 200 km, has been estimated for different solar activity and geomagnetic conditions at moderate latitudes based on NRL upper atmospheric models. The simplified energy equation has been used for daytime maximum and minimum conditions, when the time variations in the temperature can be ignored. The results are discussed and compared with the present available results.

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