INTERNAL GRAVITY WAVES IN THE MESOPAUSE REGION ACCORDING TO THE MEASUREMENTS AT THE MAIMAGA STATION

Sivtseva V.I., Ammosov P.P., Gavrilyeva G.A., Koltovskoi I.I., Ammosova A.M.
Yu. G. Shafer Institute of Cosmophysical Research and Aeronomy of SB RAS, 31 Ave.

Lenin, Yakutsk, Russia, 677980

e-mail: verasivtseva@gmail.com, ammosov@ikfia.ysn.ru, gagavrilyeva@mail.ru, koltigor@mail.ru, ammosovaam@mail.ru

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The temperature of the mesopause region (87 km) is monitored at the Maimaga station (63.04 ° N, 129.51 ° E) using the Shamrock (Andor) spectrograph recording the OH band (3, 1). The temperature data obtained for the seasons from 2013 to 2017 are investigated. Standard temperature deviations $\sigma_{gw}$ corresponding to internal gravity waves are obtained. The seasonal variation of the gravitational component of standard deviations of temperature $\sigma_{gw}$ observed at Maimaga station almost coincides for three observation seasons except for the 2014-2015 season. In this observation season, $\sigma_{gw}$ has lower values in winter than in other seasons. In addition, in the 2014-2015 season, average monthly temperatures exceed similar values in other seasons.