

# **New Results of Gravity Wave Observations from Aura MLS**

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This paper presents new results of gravity waves in the stratosphere to lower mesosphere as observed by the Microwave Limb Sounder (MLS) on board NASA Aura satellite. The zonal mean morphology of gravity wave variances observed by Aura MLS is consistent with those previously reported with the UARS (Upper Atmospheric Research Satellite) MLS, whereas the Aura MLS reveals important new information at altitudes of 20-30 km, not covered by the UARS MLS. In the lower stratosphere the gravity wave variance maps show wave activity associated with tropospheric westerlies and deep convective systems.