



Cover image: Pictured are gravity waves revealed by a thin layer of glowing atmosphere called airglow, as seen from the Tibetan Plateau. The orange colors come from excited hydroxyl radicals, and the green colors from oxygen light emissions. In the foreground are the Himalayas, and astronomy photographers capturing the night sky. Steven D. Miller and colleagues found that an instrument on the *Suomi* National Polar-orbiting Partnership satellite could detect nocturnal gravity waves near the mesopause, around 90 kilometers above sea level, through the observed modulation of airglow intensity by these waves. The authors identified cases of gravity waves launched in connection with events such as volcanic eruptions and strong thunderstorms. The results suggest a means to remotely observe gravity waves from space and at subkilometer spatial resolution. See the article by Miller et al. on pages E6728–E6735. Image courtesy of Dai Jianfeng (Chongqing University, Chongqing, China).

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