

## WINDII Publications 1991-2017

### Papers Published in Refereed Journals or Books (151)

#### 2017

- Dhadly, Manbharat, John Emmert, Douglas Drob, Mark Conde, Eelco Doornbos, Gordon Shepherd, Jonathan Makela, QianWu, Rick Niciejewski, and Aaron Ridley, *Seasonal dependence of northern high-latitude upper thermospheric winds: A quiet time climatological study based on ground-based and space-based measurements*, J. Geophys. Res. Space Physics, 122, 2619–2644, doi:10.1002/2016JA023688, 2017.
- Shepherd, Gordon G. and Young-Min Cho, *Stationary depletions in thermospheric atomic oxygen concentration and mass density observed with WINDII, GUVI, GOCE and simulated by NRLMSISE-00*, J. Atmos. Solar-Terr. Phys. 164 29-38, 2017.
- Shepherd, G.G. and Y.-M. Cho, *WINDII airglow observations of wave superposition and the possible association with historical “bright nights”*, Geophys. Res. Lett., 44, doi:10.1002/2017GL074014, 2017.
- Shepherd, G.G., *WINDII on UARS in the context of SCISAT and Odin*, J. Quant. Spec. Rad. Trsfr. 186, 40-51, 2017.
- Shepherd, M.G., *Longitudinal and seasonal variations of O(<sup>1</sup>D) nightglow emission maxima at southern midlatitudes*, J. Atmos. Solar-Terr. Phys., 167, DOI 10.1016/j.jastp.2017.11.012, November 2017.
- Dhadly, Manbharat S., Emmert, John T., Drob, Douglas P., Conde, Mark G., Doornbos, Eelco, Shepherd, Gordon G., Makela, Jonathan, J., Wu, Qian, Niciejewski, Richard J., Ridley, Aaron J. (2017). *Seasonal dependence of geomagnetic active-time northern high-latitude upper thermospheric winds*, J. Geophys. Res.: Space Phys., 122. <https://doi.org/10.1002/2017JA024715>.

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- Shepherd, Gordon G., Young-Min Cho, Victor I. Fomichev, Oleg V. Martynenko, *Thermospheric atomic oxygen concentrations from WINDII O<sup>+</sup> (<sup>2</sup>P-<sup>2</sup>D) 732 nm emission: Comparisons with the NRLMSISE-00 and C-IAM models and with GUVI observations*, J. Atmos. Solar-Terr. Phys. 147, 50-58, 2016.
- Shepherd, Gordon, Donna-Lee Desaulniers, William Gault, Charles Hersom, Kenneth Smith, Alan Scott, Brian Solheim, Jeffery Wimperis, *Wind Imaging Interferometer on NASA's Upper Atmosphere Research Satellite*, Optical Payloads for Space Missions, Ed. Shen-En Qian, John Wiley and Sons, 2016.
- Shepherd, M. G., *WINDII observations of thermospheric O(<sup>1</sup>D) nightglow emission rates, temperature, and wind: 1. The northern hemisphere midnight temperature maximum and the wave 4*, J. Geophys. Res. Space Physics, 121, 11,450–11,473, doi:10.1002/2016JA022703. 2016.

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- Cho, Y.-M., and G. G. Shepherd, *Resolving daily wave 4 nonmigrating tidal winds at equatorial and midlatitudes with WINDII: DE3 and SE2*, J. Geophys. Res. Space Physics, 120, 10,053–10,068, doi:10.1002/2015JA021903, 2015.

Shepherd, Gordon G., *Development of wind measurement systems for future space missions*, Acta Astronautica, 115, 206-217, 2015.

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Shepherd, Gordon G., Young-Min Cho, Victor I. Fomichev, and Oleg V. Martyntenko, *Characteristics of the  $O^+$  ( $^2P-^2D$ ) 732.0 and 733.0 nm airglow emissions observed with WINDII and simulated with the C-IAM*, Geophys. Res. Lett. 10.1002/2014GL060840, 2014.

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Shepherd, Gordon G., Raymond G. Roble, and Young-Min Cho *WINDII observations and TIME-GCM simulations of  $O(^1S)$  polar spirals during geomagnetic disturbances*, J. Geophys. Res., 118, 2721–2733, doi:10.1002/jgra.50272, 2013

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