

REFERENCES

- Achatz, U., Grieger, N., & Schmidt, H. (2008). Mechanisms controlling the diurnal solar tide: Analysis using a GCM and a linear model. *Journal of Geophysical Research: Space Physics*, *113*(A08303).
- Ahrens, C. D. (2000). *Essentials of Meteorology, an invitation to the atmosphere*.
<https://doi.org/10.1111/j.1467-8535.2007.00763.x>
- Alken, P., & Maus, S. (2009). Electric fields in the equatorial ionosphere derived from CHAMP satellite magnetic field measurements. *Journal of Atmospheric and Solar-Terrestrial Physics*. <https://doi.org/10.1016/j.jastp.2009.02.006>
- Alken, P., Maute, A., & Richmond, A. D. (2017). The F -Region Gravity and Pressure Gradient Current Systems: A Review. *Space Science Reviews*, *206*(1–4), 451–469.
<https://doi.org/10.1007/s11214-016-0266-z>
- Anderson, D., Anghel, A., Yumoto, K., Ishitsuka, M., & Kudeki, E. (2002). Estimating daytime vertical ExB drift velocities in the equatorial F-region using ground-based magnetometer observations. *Geophysical Research Letters*, *29*(12).
- Archana, R. K., Phani Chandrasekhar, N., Arora, K., & Nagarajan, N. (2018). Constraints on Scale Lengths of Equatorial Electrojet and Counter Electrojet Phenomena From the Indian Sector. *Journal of Geophysical Research: Space Physics*, *123*(8), 6821–6835.
<https://doi.org/10.1029/2018JA025213>
- Baker, W. G., & Martyn, D. F. (1953). ELECTRIC CURRENTS IN THE IONOSPHERE I .

- THE CONDUCTIVITY. *Philosophical Transactions of the Royal Society of London. Series A, Mathematical and Physical Sciences*, 246(913), 281–294.
<https://doi.org/10.1098/rsta.1953.0016>
- Barreto, L. M. (1992). the Equatorial Electrojet: a Brief Review. *Geofisica Internacional*.
- Becker, E. (2017). Mean-Flow Effects of Thermal Tides in the Mesosphere and Lower Thermosphere. *Journal of the Atmospheric Sciences*, 74, 2043–2063.
<https://doi.org/10.1175/JAS-D-16-0194.1>
- Blume, C., Matthes, K., & Horenko, I. (2012). Supervised Learning Approaches to Classify Sudden Stratospheric Warming Events. *Journal of the Atmospheric Sciences*, 69(6), 1824–1840. <https://doi.org/10.1175/JAS-D-11-0194.1>
- Butler, A. H., Seidel, D. J., Hardiman, S. C., Butchart, N., Birner, T., & Match, A. (2015). Defining sudden stratospheric warmings. *Bulletin of the American Meteorological Society*, 96(11), 1913–1928. <https://doi.org/10.1175/BAMS-D-13-00173.1>
- Chandra, H. (1989). Effect of filtering on drift and anisotropy parameters determined by full correlation analysis. In *Proceedings of the Indian Academy of Sciences (Earth Planet. Sci.)* (Vol. 98, pp. 327–338).
- Chandra, H., Sinha, H. S. S., & Rastogi, R. G. (2000). Equatorial electrojet studies from rocket and ground measurements. *Earth, Planets and Space*, 52(2), 111–120.
<https://doi.org/10.1186/BF03351619>
- Chandrasekhar, N. P., Archana, R. K., Nagarajan, N., & Arora, K. (2017). Variability of equatorial counter electrojet signatures in the Indian region. *Journal of Geophysical*

- Research: Space Physics*, 122(2), 2185–2201. <https://doi.org/10.1002/2016JA022904>
- Chau, J. L., Fejer, B. G., & Goncharenko, L. P. (2009). Quiet variability of equatorial E x B drifts during a sudden stratospheric event. *Geophysical Research Letters*, 36(L05101).
- Colegrove, F. D., Johnson, F. S., & Hanson, W. B. (1966). Atmospheric composition in the lower thermosphere. *Journal of Geophysical Research*, 71(9), 2227–2236. <https://doi.org/10.1029/JZ071i009p02227>
- Dowdy, A. J., Vincent, R. A., Murphy, D. J., Tsutsumi, M., Riggin, D. M., & Jarvis, M. J. (2004). The large-scale dynamics of the mesosphere-lower thermosphere during the Southern Hemisphere stratospheric warming of 2002. *Geophysical Research Letters*, 31(14), 3–6. <https://doi.org/10.1029/2004GL020282>
- Fambitakoye, O., Rastogi, R. G., Tabbagh, J., & Vila, P. (1973). Counter-electrojet and Esq disappearance. *Journal of Atmospheric and Terrestrial Physics*, 35(6), 1119–1126. [https://doi.org/10.1016/0021-9169\(73\)90009-3](https://doi.org/10.1016/0021-9169(73)90009-3)
- Fang, T. W., Richmond, A. D., Liu, J. Y., & Maute, A. (2008). Wind dynamo effects on ground magnetic perturbations and vertical drifts. *Journal of Geophysical Research: Space Physics*, 113(11), 1–11. <https://doi.org/10.1029/2008JA013513>
- Fejer, B. G. (2011). Low latitude ionospheric electrodynamics. *Space Science Reviews*, 158(1), 145–166. <https://doi.org/10.1007/s11214-010-9690-7>
- Forbes, J. M., & Zhang, X. (2012). Lunar tide amplification during the January 2009 stratosphere warming event: Observations and theory. *Journal of Geophysical Research: Space Physics*, 117(12), 1–13. <https://doi.org/10.1029/2012JA017963>

- Francisca, N. O., Esther, A. H., Eucharia, C. O., Isikwue, B. C., & Oby, J. U. (2013). Formation and identification of counter electrojet (CEJ). *International Journal of Physical Sciences*, 8(15), 604–612. <https://doi.org/10.5897/IJPS12.700>
- Garcia, R. R., & Solomon, S. (1985). The effect of breaking gravity waves on the dynamics and chemical composition of the mesosphere and lower thermosphere. *Journal of Geophysical Research*, 90(D2), 3850–3868.
- Gardner, C. S., & Liu, A. Z. (2010). Wave-induced transport of atmospheric constituents and its effect on the mesospheric Na layer. *Journal of Geophysical Research Atmospheres*, 115(20), 1–14. <https://doi.org/10.1029/2010JD014140>
- Goncharenko, L. P., Coster, A. J., Chau, J. L., & Valladares, C. E. (2010). Impact of sudden stratospheric warmings on equatorial ionization anomaly. *Journal of Geophysical Research: Space Physics*, 115(10), 1–11. <https://doi.org/10.1029/2010JA015400>
- Goncharenko, L., & Zhang, S. R. (2008). Ionospheric signatures of sudden stratospheric warming: Ion temperature at middle latitude. *Geophysical Research Letters*, 35(21), 4–7. <https://doi.org/10.1029/2008GL035684>
- Gurubaran, S. (2002). The equatorial counter electrojet: Part of a worldwide current system? *Geophysical Research Letters*, 29(9).
- Gurubaran, S., & Rajaram, R. (2000). Signatures of equatorial electrojet in the mesospheric partial reflection drifts over magnetic equator. *Geophysical Research Letters*, 27(7), 943–946.
- Hagan, M. E., & Forbes, J. M. (2002). Migrating and nonmigrating diurnal tides in the

- middle and upper atmosphere excited by tropospheric latent heat release. *Journal of Geophysical Research: Atmospheres*, 107(D24).
- Hamid, N. S. A., Liu, H., Uozumi, T., Yumoto, K., Veenadhari, B., Yoshikawa, A., & Sanchez, J. A. (2014). Relationship between the equatorial electrojet and global Sq currents at the dip equator region. *Earth, Planets and Space*, 66(1), 146. <https://doi.org/10.1186/s40623-014-0146-2>
- Hargreaves, J. K. (1992). *The Solar-Terrestrial Environment: An Introduction to Geospace - the Science of the Terrestrial Upper Atmosphere, Ionosphere, and Magnetosphere*. Cambridge University Press. <https://doi.org/10.1017/CBO9780511628924>
- Hernández-Pajares, M., Juan, J. M., Sanz, J., Orus, R., Garcia-Rigo, A., Feltens, J., ... Krankowski, A. (2009). The IGS VTEC maps: A reliable source of ionospheric information since 1998. *Journal of Geodesy*, 83, 263–275. <https://doi.org/10.1007/s00190-008-0266-1>
- Hickey, M. P., Walterscheid, R. L., & Richards, P. G. (2000). Secular variations of atomic oxygen in the mesopause region induced by transient gravity wave packets. *Geophysical Research Letters*, 27(21), 3599–3602. <https://doi.org/10.1029/2000GL012099>
- Hunsucker, R. D., & Hargreaves, J. K. (2003). *The high - latitude ionosphere and its effects on radio propagation*. Cambridge University Press.
- Jacobson, M. Z. (2005). *Fundamentals of atmospheric modeling* (Vol. 136). Cambridge University Press.

- James, M. E., Rastogi, R. G., & Rao, D. R. K. (1997). Identification of the current system associated with a partially reversed equatorial electrojet. *J. Geomagn. Geoelec.*, 49(5), 633–640. <https://doi.org/10.1176/appi.ajp.2009.09070956>
- Jankowski, J., & Sucksdorff, C. (1996). *Guide for Magnetic Measurements and Observatory Practice. Iaga*. <https://doi.org/10.1139/z84-333>
- Joshi, L. M., & Sripathi, S. (2016). On the utility of the ionosonde Doppler-derived EXB drift during the daytime. *Journal of Geophysical Research A: Space Physics*, 121(3), 2795–2811. <https://doi.org/10.1002/2015JA021971>
- Kelley, M. C. (2009). *The Earth's Ionosphere Second Edition*. Elsevier Inc.
- Kodera, K. (2006). Influence of stratospheric sudden warming on the equatorial troposphere. *Geophysical Research Letters*, 33(L06804). <https://doi.org/10.1029/2005GL024510>
- Kodera, K., Eguchi, N., Mukougawa, H., Nasuno, T., & Hirooka, T. (2017). Stratospheric tropical warming event and its impact on the polar and tropical troposphere. *Atmospheric Chemistry and Physics*, 17(1), 615–625. <https://doi.org/10.5194/acp-17-615-2017>
- Kodera, K., Mukougawa, H., Maury, P., Ueda, M., & Claud, C. (2016). Absorbing and reflecting sudden stratospheric warming events and their relationship with tropospheric circulation. *Journal of Geophysical Research*, 121(1), 80–94. <https://doi.org/10.1002/2015JD023359>
- Lindzen, R. S. (1979). Atmospheric tides. *Annual Review of Earth Planet Science*.

- Lindzen, R. S. (1987). Atmospheric Dynamics. *Reviews of Geophysics*, 25(3), 323–328.
- Lindzen, R. S., & Chapman, S. (1969). *Atmospheric tides*.
- Liu, H., Stolle, C., Förster, M., & Watanabe, S. (2007). Solar activity dependence of the electron density in the equatorial anomaly regions observed by CHAMP. *Journal of Geophysical Research: Space Physics*, 112(11), 1–10. <https://doi.org/10.1029/2007JA012616>
- Liu, L., Wan, W., Ning, B., & Zhang, M. L. (2009). Climatology of the mean total electron content derived from GPS global ionospheric maps. *Journal of Geophysical Research: Space Physics*, 114, 1–13. <https://doi.org/10.1029/2009JA014244>
- Malin, S. R. C., & Schlapp, D. M. (1980). Geomagnetic lunar analysis by least-squares. *Geophysical Journal of the Royal Astronomical Society*, 60, 409–418.
- Martyn, D. F. (1947). Atmospheric Tides in the Ionosphere. I. Solar Tides in the F2 region. *Proc. R. Soc. Lond. A*, 189(1017), 241–260. <https://doi.org/1098/rspa.1947.0037>
- Matsushita, S. (1968). Current Systems in the Ionosphere, 109–125.
- Matsushita, S., & Campbell, W. H. (1967). *Physics of geomagnetic phenomena*. Academic press (Internatio, Vol. 1). <https://doi.org/10.1016/B978-0-12-373642-0.50027-2>
- Matsushita, S., & Maeda, H. (1965). On the geomagnetic solar quiet daily variation field during the IGY. *Journal of Geophysical Research*, 70(11), 2535–2558.
- Mayaud, P. N. (1977). The equatorial counter-electrojet-a review of its geomagnetic aspects. *Journal of Atmospheric and Terrestrial Physics*, 39(9–10), 1055–1070.

[https://doi.org/10.1016/0021-9169\(77\)90014-9](https://doi.org/10.1016/0021-9169(77)90014-9)

Mitra, S. N. (1949). A radio method of measuring winds in the ionosphere. *Proceedings of the IEE - Part III: Radio and Communication Engineering*, 96(43), 441–446.
<https://doi.org/10.1049/pi-3.1949.0094>

Mo, X. H., Zhang, D. H., Goncharenko, L., Zhang, S. R., Hao, Y. Q., Xiao, Z., ... Chau, H. D. (2017). Meridional movement of northern and southern equatorial ionization anomaly crests in the East-Asian sector during 2002–2003 SSW. *Science China Earth Sciences*, 60(4), 776–785. <https://doi.org/10.1007/s11430-016-0096-y>

Muhammed Kutty, P. V., & Gurubaran, S. (2018). Equatorial counter electrojets in the noon time : a comparison with the events at other local times. *International Journal of Advanced Scientific Research and Management*, 3(11), 38–391.

Mukhtarov, P., Pancheva, D., Andonov, B., & Pashova, L. (2013). Global TEC maps based on GNSS data: 1. Empirical background TEC model. *Journal of Geophysical Research: Space Physics*, 118(7), 4594–4608. <https://doi.org/10.1002/jgra.50413>

Muralikrishna, P., & Kulkarni, V. H. (2008). Can lower E-region dust particles be responsible for counter electrojet? *Geofisica Internacional*, 47(3), 145–151.

Olson, P., Christensen, U., & Glatzmair, G. A. (1999). Numerical modeling of geodynamo: mechanisms of field generation and equilibration. *Journal of Geophysical Research*, 104(B5), 10383–10404. <https://doi.org/10.1029/1999JB900013>

Onwumechili, C. A. (1997). *The Equatorial Electrojet*. CRC Press.

Pedatella, N. M., Forbes, J. M., & Richmond, A. D. (2011). Seasonal and longitudinal

- variations of the solar quiet (Sq) current system during solar minimum determined by CHAMP satellite magnetic field observations. *Journal of Geophysical Research: Space Physics*, 116(4), 1–13. <https://doi.org/10.1029/2010JA016289>
- Pedatella, N. M., Liu, H. L., Richmond, A. D., Maute, A., & Fang, T. W. (2012). Simulations of solar and lunar tidal variability in the mesosphere and lower thermosphere during sudden stratosphere warmings and their influence on the low-latitude ionosphere. *Journal of Geophysical Research: Space Physics*, 117(8), 1–14. <https://doi.org/10.1029/2012JA017858>
- Raghavarao, R., & Anandarao, B. G. (1980). Vertical winds as a plausible cause for equatorial counter electrojet. *Geophysical Research Letters*, 7(5), 357–360.
- Raja Rao, K. S. and Sivaraman, K. R. (1958). Lunar Geomagnetic Tides at kodaikanal. *Journal of Geophysical Research*, 63(4), 727–730.
- Raja Rao, K. S. (1960). Lunar Daily Variation of Geomagnetic Horizontal Intensity at Alibag, 65(1), 119–121.
- Rajaram, R., & Gurubaran, S. (1998). Seasonal variabilities of low-latitude mesospheric winds. In *Annales Geophysicae* (Vol. 16, pp. 197–204).
- Ramkumar, T. K., Gurubaran, S., & Rajaram, R. (2002). Lower E-region MF radar spaced antenna measurements over magnetic equator. *Journal of Atmospheric and Solar-Terrestrial Physics*, 64, 1445–1453. [https://doi.org/10.1016/S1364-6826\(02\)00108-6](https://doi.org/10.1016/S1364-6826(02)00108-6)
- Rao, K. N., Rao, D. R. K., & Raja Rao, K. S. (1967). Sunspot cycle and seasonal variations in the position and intensity of the equatorial electrojet in the Indian region. *Tellus*,

- 19(2), 337–345. <https://doi.org/10.3402/tellusa.v19i2.9796>
- Rastogi, R. G. (1973). Counter equatorial electrojet currents in the Indian zone. *Planetary and Space Science*, 21(8), 1355–1365. [https://doi.org/10.1016/0032-0633\(73\)90228-6](https://doi.org/10.1016/0032-0633(73)90228-6)
- Rastogi, R. G. (1974). Lunar effects in the counter electrojet near the magnetic equator. *Journal of Atmospheric and Terrestrial Physics*, 36, 167–170.
- Rastogi, R. G. (1975). On the simultaneous existence of eastward and westward flowing equatorial electrojet currents. *Proceedings of the Indian Academy of Sciences - Section A*, 81 A(2), 80–90.
- Rastogi, R. G. (1994). Ionospheric current system associated with the equatorial counterelectrojet. *Journal of Geophysical Research--Space Physics*, 99(A7), 13,209-213,217. <https://doi.org/10.1029/93JA03028>
- Rastogi, R. G. (1997). Midday reversal of equatorial ionospheric electric field. *Annales Geophysicae*, 15(10), 1309–1315. <https://doi.org/10.1007/s00585-997-1309-2>
- Rastogi, R. G. (1999). Morphological aspects of a new type of counter electrojet event. *Annales Geophysicae*, 17(2), 210–219. <https://doi.org/10.1007/s00585-999-0210-6>
- Rastogi, R. G., & Klobuchar, J. A. (1990). Ionospheric Electron Content Within the Equatorial F2 Layer Anomaly Belt. *Journal of Geophysical Research*, 95(A 11), 19045–19052. <https://doi.org/10.1029/JA095iA11p19045>
- Rishbeth, H., & Garriot, O. K. (1969). *Introduction to ionospheric physics*. Academic press.
- Salby, M. L. (1996). *Fundamentals of atmospheric physics*. Academic press.

- Sathishkumar, S. (2011). *STUDIES OF THE DYNAMICAL COUPLING TO THE EQUATORIAL MIDDLE ATMOSPHERE*. Manonmanian Sundaranar University, Tirunelveli, Tamil Nadu, India.
- Sathishkumar, S., & Sridharan, S. (2013). Lunar and solar tidal variabilities in mesospheric winds and EEJ strength over Tirunelveli (8.7°N, 77.8°E) during the 2009 major stratospheric warming. *Journal of Geophysical Research: Space Physics*, 118(1), 533–541. <https://doi.org/10.1029/2012JA018236>
- Sathishkumar, S., Sridharan, S., Muhammed Kutty, P. V., & Gurubaran, S. (2017). Long term variabilities and tendencies of mesospheric lunar semidiurnal tide over Tirunelveli (8.7°N, 77.8°E). *Journal of Atmospheric and Solar-Terrestrial Physics*, 163(May), 46–53. <https://doi.org/10.1016/j.jastp.2017.05.015>
- Schildge, J. P., Venkateswaran, S. V., & Richmond, A. D. (1973). The ionospheric dynamo and equatorial magnetic variations. *Journal of Atmospheric and Terrestrial Physics*, 35(6), 1045–1061. [https://doi.org/10.1016/0021-9169\(73\)90004-4](https://doi.org/10.1016/0021-9169(73)90004-4)
- Schunk, R. W. (Robert W. ., & Nagy, A. (2009). *Ionospheres : physics, plasma physics, and chemistry*. Cambridge University Press.
- Siddiqui, T. A., Maute, A., Pedatella, N., Yamazaki, Y., Lühr, H., & Stolle, C. (2018). On the variability of the semidiurnal solar and lunar tides of the equatorial electrojet during sudden stratospheric warmings. *Annales Geophysicae*, (July).
- Singh, D., & Gurubaran, S. (2017). Variability of diurnal tide in the MLT region over Tirunelveli (8.7°N), India: Consistency between ground and space-based observations.

Journal of Geophysical Research, 122(5), 2696–2713.
<https://doi.org/10.1002/2016JD025910>

Singh, D., Gurubaran, S., & He, M. (2018). Evidence for the Influence of DE3 Tide on the Occurrence of Equatorial Counter-electrojet. *Geophysical Research Letters*, 45(5), 2145–2150. <https://doi.org/10.1002/2018GL077076>

Sridharan, S., Sathishkumar, S., & Gurubaran, S. (2009). Variabilities of mesospheric tides and equatorial electrojet strength during major stratospheric warming events. *Annales Geophysicae*, 27(11), 4125–4130. <https://doi.org/10.5194/angeo-27-4125-2009>

Sridharan, S., Sathishkumar, S., & Gurubaran, S. (2012). Variabilities of mesospheric tides during sudden stratospheric warming events of 2006 and 2009 and their relationship with ozone and water vapour. *Journal of Atmospheric and Solar-Terrestrial Physics*, 78–79, 108–115. <https://doi.org/10.1016/j.jastp.2011.03.013>

Sridharan, S., Tsuda, T., & Gurubaran, S. (2010). Long-term tendencies in the mesosphere/lower thermosphere mean winds and tides as observed by medium-frequency radar at Tirunelveli (8.7° N, 77.8° E). *Journal of Geophysical Research: Atmospheres*, 115(D8).

Stening, R. J. (1992). The enigma of the counter equatorial electrojet and lunar tidal influences in the equatorial region. *Advances in Space Research*, 12(6), 23–32. [https://doi.org/10.1016/0273-1177\(92\)90036-W](https://doi.org/10.1016/0273-1177(92)90036-W)

Stening, R. J., Manson, A. H., Meek, C. E., & Vincent, R. A. (1994). Lunar tidal winds at Adelaide and Saskatoon at 80 to 100 km heights: 1985-1990. *Journal of Geophysical*

Research, 99(A7), 13273–12280.

Treumann, R. A., & Baumjohann, W. (2006). *Basic Space Plasma Physics*. Imperial college press, London. Imperial College press, London. <https://doi.org/10.1088/0741-3335/43/3/701>

Tulasi Ram, S., Su, S. Y., & Liu, C. H. (2009). FORMOSAT-3/COSMIC observations of seasonal and longitudinal variations of equatorial ionization anomaly and its interhemispheric asymmetry during the solar minimum period. *Journal of Geophysical Research: Space Physics*, 114(6). <https://doi.org/10.1029/2008JA013880>

Venkatesh, K., Fagundes, P. R., Prasad, D. S. V. V. D., Denardini, C. M., de Abreu, A. J., de Jesus, R., & Gende, M. (2015). Day-to-day variability of EEJ and its role on EIA over the Indian and Brazilian sectors. *Journal of Geophysical Research: Space Physics*, 120, 1–14. <https://doi.org/10.1002/2014JA020649>. Received

Vichare, G., & Rajaram, R. (2011). Global features of quiet time counterelectrojet observed by Ørsted. *Journal of Geophysical Research: Space Physics*, 116(A4).

Vincent, R. A., & Lesicar, D. (1991). Dynamics of the equatorial mesosphere: First results with a new generation partial reflection radar. *Geophysical Research Letters*, 18(5), 825–828. <https://doi.org/10.1029/91GL00768>

Vineeth, C., Pant, T. K., & Hossain, M. M. (2012). Enhanced gravity wave activity over the equatorial MLT region during counter electrojet events. *Indian Journal of Radio and Space Physics*, 41(2), 258–263.

Volland, H. (1988). *Atmospheric tidal and planetary waves*. Kluwer Academic Publishers.

- Vyas, B. M., Sardesai, D. V., Rai, R. K., Chandra, H., & Vyas, G. D. (1986). The effect of filtering on drift and anisotropy parameters determined by full correlation analysis. *Proceedings of the Indian Academy of Sciences - Earth and Planetary Sciences*, 95(1), 83–89. <https://doi.org/10.1007/BF03029173>
- Wang, H., Boyd, J. P., & Akmaev, R. A. (2016). On computation of Hough functions. *Geoscientific Model Development*, 9(4), 1477–1488. <https://doi.org/10.5194/gmd-9-1477-2016>
- Woodman, R. F., Chau, J. L., & Ilma, R. R. (2006). Comparison of ionosonde and incoherent scatter drift measurements at the magnetic equator. *Geophysical Research Letters*, 33(1), 1–4. <https://doi.org/10.1029/2005GL023692>
- Yamashita, C., Liu, H. L., & Chu, X. (2010). Responses of mesosphere and lower thermosphere temperatures to gravity wave forcing during stratospheric sudden warming. *Geophysical Research Letters*, 37(9), 1–5. <https://doi.org/10.1029/2009GL042351>
- Yamazaki, Y., Yumoto, K., McNamara, D., Hirooka, T., Uozumi, T., Kitamura, K., ... Ikeda, A. (2012). Ionospheric current system during sudden stratospheric warming events. *Journal of Geophysical Research: Space Physics*, 117(3), 1–7. <https://doi.org/10.1029/2011JA017453>
- Yue, J., & Wang, W. (2014). Changes of thermospheric composition and ionospheric density caused by quasi 2 day wave dissipation. *Journal of Geophysical Research: Space Physics*, 119, 2069–2078. <https://doi.org/10.1002/2014JA020025>. Received

- Zhang, G., Doviak, R. J., Vivekanandan, J., Brown, W. O. J., & Cohn, S. A. (2004). Performance of correlation estimators for spaced-antenna wind measurement in the presence of noise. *Radio Science*, 39(3), 1–16. <https://doi.org/10.1029/2003RS003022>
- Zhou, Y.-L., Lühr, H., Xu, H., & Alken, P. (2018). Comprehensive Analysis of the Counter Equatorial Electrojet: Average Properties as Deduced From CHAMP Observations. *Journal of Geophysical Research: Space Physics*, 5159–5181. <https://doi.org/10.1029/2018JA025526>