

Publication List of Dr.S.Sridharan,National Atmospheric Research Laboratory,Gadanki:

1. O. Nath, **S. Sridharan** and H. Gadhavi, J , ' Equatorial stratospheric thermal structure and ozone variations during the sudden stratospheric warming of 20133' , Journal of Atmospheric and Solar-Terrestrial Physics, 2015, doi:10.1016/j.jastp.2014.11.003
2. Sandhya, M., **S. Sridharan**, M. Indira Devi, H. Gadhavi, Tropical upper tropospheric ozone enhancements due to potential vorticity intrusions over Indian sector, J. Atmos. Sol.-Terr. Phys., 132, 147-152
3. Sandhya, M., **S. Sridharan**, M. Indira Devi, K. Niranjana, and A. Jayaraman (**2015**), A case study of formation and maintenance of a lower stratospheric cirrus cloud over the tropics, AnGeo Comm., 33, 599–608
4. Sarkhel, S., J. D. Mathews, S. Raizada, R. Sekar,D. Chakrabarty, A. Guharay, G. Jee, J.-H. Kim, R. B. Kerr, G. Ramkumar, **S. Sridharan**, Q. Wu, M. G. Mlynczak and J. M. Russell III, 'A case study on occurrence of an unusual structure in the sodium layer over Gadanki, India ' , Earth Planets and Space, 67:19, doi:10.1186/s40623-015-0183-5, **2015**
5. Sharma, S., H Chandra, S Lal, YB Acharya, A Jayaraman, H Gadhavi, **S Sridharan**, S Chandra, Study of thermal structure differences from coordinated lidar observations over Mt. Abu (24.5°N, 72.7°E) and Gadanki (13.5° N, 79.2° E), Earth, Planets and Space, DOI 10.1186/s40623-015-0258-3
6. Ramesh, K., **S. Sridharan**, K. Raghunath, S.V.B. Rao (**2017**), A chemical perspective of day and night tropical (10° N-15° N) mesospheric inversion layers, Journal of Geophysical Research: Space Physics, doi/10.1002/2016JA023721
7. Sathishkumar, S., **S. Sridharan**, PVM. Kutty, S. Gurubaran (**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, doi.org/10.1016/j.jastp.2017.05.015
8. Sharma, S., P. Kumar, R. Vaishnav, H. Chandra, H. Gadhavi, **S. Sridharan** (**2017**), A Jayaraman, Study of Stratospheric Sudden Warming (SSW) over the tropical and subtropical regions of India using Rayleigh lidar, International journal of remote sensing, 38, 4285-4302
9. **Sridharan, S. (2017)**, Solar and lunar tidal variabilities in GPS-TEC and geomagnetic field variations: Seasonal as well as during the sudden stratospheric warming of 2010, Journal of Geophysical Research: Space Physics, 122, doi/10.1002/2016JA023196. 2017
10. **Sridharan, S. (2017)**, Variabilities of low-latitude migrating and nonmigrating Tides in GPS-TEC and TIMED-SABER temperature during the sudden stratospheric warming Event of 2013, Journal of Geophysical Research: Space Physics, 122, doi.org/10.1002/2017JA024283

11. K. Ramesh, and **S. Sridharan (2018)** Long-Term Trends in Tropical (10°N–15°N) Middle Atmosphere (40–110 km) CO₂ Cooling, *Journal of Geophysical Research: Space Physics* 123 (7), 5661-5673
12. Oindrila Nath, **S. Sridharan**, C. V. Naidu (**2018**), Seasonal, interannual and long-term variabilities and tendencies of water vapour in the upper stratosphere and mesospheric region over tropics (30° N-30° S), *Journal of Atmospheric and Solar-Terrestrial Physics* 167, doi.org/10.1016/j.jastp.2017.07.009
13. Oindrila Nath, and **S. Sridharan (2019)**, Seasonal, interannual and SSW related variations of middle atmospheric N₂O and NO_x over low latitudes, *J. Atmos. Sol. Terr. Phys.*, <https://doi.org/10.1016/j.jastp.2019.05.007>
14. S. Sarkhel, S. Mondal, R. Sekar, D. Chakrabarty, and **S. Sridharan (2019)** A review on the upper atmospheric sodium observations from India: Insights, *Advances in Space Research*, 63, 3568-3585
15. **Sridharan, S. (2019)**, Seasonal variations of low-latitude migrating and nonmigrating diurnal and semidiurnal tides in TIMED-SABER temperature and their relationship with source variations. *Journal of Geophysical Research: Space Physics*, 124, 3558–3572. <https://doi.org/10.1029/2018JA026190>
16. Ramesh, K., **S. Sridharan**, and K. Raghunath (**2020**), A Comprehensive Study On Tropical (10°N-15°N) Mesospheric Inversion Layers Using Lidar And Satellite (Timed-Saber) Observations, *EPJ Web Conferences*, 237, 04001, <https://doi.org/10.1051/epjconf/202023704001>
17. **Sridharan, S. (2020)**, Equatorial upper mesospheric mean winds and tidal response to strong El Niño and La Niña, *J. Atmos. Sol. -Terr. Phys.*, <https://doi.org/10.1016/j.jastp.2020.105270>