

Bibliography from ADS file: sridharan.bib  
 September 14, 2022

- Sreekanth, R. V., Banyal, R. K., Sridharan, R., & Selvaraj, A., "Measurements of atmospheric turbulence parameters at Vainu Bappu Observatory using short-exposure CCD images", 2019RAA...19...74S [ADS](#)
- Nirmal, K., Sridharan, R., Sriram, S., et al., "Wavelength calibration of a tunable spatial heterodyne spectrometer", 2018SPIE10702E..4VN [ADS](#)
- Das, T. P., Thampi, S. V., Dhanya, M. B., et al., "Upper limit of helium-4 in the sunlit lunar exosphere during magnetotail passage under low solar wind condition: Result from CHACE aboard MIP in Chandrayaan-1", 2017Icar..297..189D [ADS](#)
- Yadav, S., Sridharan, R., Sunda, S., & Pant, T. K., "Further refinements to the spatiotemporal forecast model for L-band scintillation based on comparison with C/NOFS observations", 2017JGRA..122.5643Y [ADS](#)
- Pratim Das, T., Thampi, S. V., Bhardwaj, A., Ahmed, S. M., & Sridharan, R., "Corrigendum to "Observation of Neon at mid and high latitudes in the sunlit Lunar Exosphere: Results from CHACE aboard MIP/Chandrayaan-1", Vol. 272 (2016), pp 206-211, doi 10.1016/j.icarus.2016.02.030", 2017Icar..284..489P [ADS](#)
- Yadav, S., Sunda, S., & Sridharan, R., "The impact of the 17 March 2015-St. Patrick's Day storm on the evolutionary pattern of Equatorial Ionization Anomaly over the Indian longitudes using high resolution spatio-temporal TEC maps - New insights", 2016AGUFMSA31A2389Y [ADS](#)
- Bagiya, M., Pant, T., Choudhary, R. K., Sunda, S., & Sridharan, R., "Impact of the perturbation zonal velocity variation on the spatio/temporal occurrence pattern of L-band scintillation - a case study", 2016cosp...41E.123B [ADS](#)
- Das, T. P., Thampi, S. V., Bhardwaj, A., Ahmed, S. M., & Sridharan, R., "Observation of Neon at mid and high latitudes in the sunlit lunar exosphere: Results from CHACE aboard MIP/Chandrayaan-1", 2016Icar..272..206D [ADS](#)
- Janardhan, P., Bisoi, S. K., Ananthakrishnan, S., Sridharan, R., & Jose, L., "Solar and Interplanetary Signatures of a Maunder-like Grand Solar Minimum around the Corner - Implications to Near-Earth Space", 2015SunGe..10..147J [ADS](#)
- Sridharan, R., Jose, L., Bagiya, M. S., et al., "Refinement of the background ionospheric conditions and plausible explanation based on neutral dynamics for the occurrence/non-occurrence of L-band scintillation patches against forecast.", 2015JASTP.133..18S [ADS](#)
- Bagiya, M. S., Sridharan, R., Sunda, S., et al., "Impact of the perturbation zonal velocity variation on the spatio/temporal occurrence pattern of L band scintillation-A case study", 2015JGRA..120.5882B [ADS](#)
- Janardhan, P., Bisoi, S. K., Ananthakrishnan, S., et al., "A 20 year decline in solar photospheric magnetic fields: Inner-heliospheric signatures and possible implications", 2015JGRA..120.5306J [ADS](#)
- Sridharan, R., Ahmed, S. M., Das, T. P., et al.: 2015, Corrigendum to "The Sunlit lunar atmosphere: A Comprehensive study by CHACE on the Moon Impact Probe of Chandrayaan-1" [Planet. Space Sci. 58 (2010) 1567-1577], Planetary and Space Science, Volume 111, p. 167-168. 2015P&SS..111..167S [ADS](#)
- Thampi, S. V., Sridharan, R., Das, T. P., et al., "The spatial distribution of molecular Hydrogen in the lunar atmosphere-New results", 2015P&SS..106..142T [ADS](#)
- Sridharan, R., Bagiya, M. S., Sunda, S., et al., "First results on forecasting the spatial occurrence pattern of L-band scintillation and its temporal evolution", 2014JASTP.119..53S [ADS](#)
- Bagiya, M. S., Hazarika, R., Laskar, F. I., et al., "Effects of prolonged southward interplanetary magnetic field on low-latitude ionospheric electron density", 2014JGRA..119.5764B [ADS](#)
- Manju, G., Madhav Haridas, M. K., Ramkumar, G., et al., "Gravity wave signatures in the dip equatorial ionosphere-thermosphere system during the annular solar eclipse of 15 January 2010", 2014JGRA..119.4929M [ADS](#)
- Bagiya, M. S., Sridharan, R., Sunda, S., et al., "Critical assessment of the forecasting capability of L-band scintillation over the magnetic equatorial region - Campaign results", 2014JASTP.110..15B [ADS](#)
- Bagiya, M. S., Sridharan, R., & Sunda, S., "Pre-assessment of the "strength" and "latitudinal extent" of L-band scintillation: A case study", 2013JGRA..118..488B [ADS](#)
- Choudhary, R. K., Rajeev, K., Krishna Moorthy, K., & Sridharan, R., "Ionospheric impact on the geopotential height profile of the temperature by balloon-borne GPS radiosondes?", 2013GeoRL..40..239C [ADS](#)
- Sridharan, R., Das, T. P., Ahmed, S. M., et al., "Spatial heterogeneity in the radiogenic activity of the lunar interior: Inferences from CHACE and LLRI on Chandrayaan-1", 2013AdSpR..51..168S [ADS](#)
- Sridharan, R., Štefl, S., & Rivinius, T. "Imaging the Circumstellar Environment of  $\omega$  CMA with the VLTT", 2012ASPC..464..231S [ADS](#)
- Bagiya, M. S., Sridharan, R., & Sunda, S., "Moving towards operational forecasting of occurrence of L-band scintillations based on background ionospheric variability: a case study using GSAT platform", 2012AGUFMSA13A2159B [ADS](#)
- Bhardwaj, A., Dhanya, M. B., Sridharan, R., et al., "Interaction of Solar Wind with Moon: An Overview on the Results from the SARA Experiment Aboard Chandrayaan-1", 2012aogs...30..35B [ADS](#)
- Manju, G., Sridharan, R., Ravindran, S., et al., "Rocket borne in-situ Electron density and Neutral Wind measurements in the equatorial ionosphere-Results from the January 2010 annular solar eclipse campaign from India", 2012JASTP..86..56M [ADS](#)
- Sridharan, R., Sunda, S., & Bagiya, M., "Forecasting L band scintillations 'when' and for 'how long': a reality?", 2012cosp...39.1873S [ADS](#)
- Dhanya, M. B., Barabash, S., Wieser, M., et al., "Investigation of Lunar plasma wake with the SARA experiment on Chandrayaan-1", 2012cosp...39..451D [ADS](#)
- Pratim Das, T., Bhardwaj, A., Mohankumar, S., et al., "Study of Lunar Atmosphere by CHACE aboard Chandrayaan-1 and a Follow-up by the CHACE-2 onboard Chandrayaan-2", 2012cosp...39..407P [ADS](#)
- Choudhary, R. K., St-Maurice, J.-P., Ambili, M. K., & Sridharan, R., "On the multifaceted role played by the Neutral Wind in the Equatorial Electrodynamics during Magnetically Disturbed times", 2012cosp...39..337C [ADS](#)
- Bagiya, M., Sunda, S., & Sridharan, R., "Towards forecasting the "strength" of L band scintillation based on background TEC variability: a case study", 2012cosp...39..85B [ADS](#)
- Sridharan, R., Bagiya, M. S., & Sunda, S., "A novel method based on GPS TEC to forecast L band scintillations over the equatorial region through a case study", 2012JASTP..80..230S [ADS](#)
- Rastogi, R. G., Chandra, H., Das, A. C., et al., "Effects of a magnetic cloud simultaneously observed on the equatorial ionosphere in midday and midnight sectors", 2012EP&S..64..353R [ADS](#)
- Vorburger, A., Wurz, P., Barabash, S., et al., "Energetic Neutral Atom Imaging of the Lunar Surface", 2012EGUGA..141220V [ADS](#)
- Vorburger, A., Wurz, P., Barabash, S., et al., "Angular Scattering of Energetic Neutral Hydrogen Atoms off the Lunar Surface", 2012EGUGA..141220V [ADS](#)
- Vorburger, A., Wurz, P., Barabash, S., et al., "Direct Observations of Magnetic Anomalies on the Lunar Surface under Varying Solar Wind Conditions", 2012EGUGA..1412169V [ADS](#)
- Rao, P. B., Beig, G., Dabas, R. S., et al., "An overview of CAWSES-India program with emphasis to equatorial atmospheric coupling processes", 2012JASTP..75..98R [ADS](#)
- Manju, G., Sridharan, R., Sreelatha, P., et al., "A Novel probe for in-situ Electron density and Neutral Wind (ENWi) measurements in the near Earth space", 2012JASTP..74..81M [ADS](#)
- Schaufelberger, A., Wurz, P., Barabash, S., et al., "Scattering function for energetic neutral hydrogen atoms off the lunar surface", 2011GeoRL..3822202S [ADS](#)
- Schaufelberger, A., Wurz, P., Barabash, S., et al., "Shielding efficiency of lunar magnetic anomalies: Observations from SARA on board Chandrayaan-1", 2011epsc.conf..959S [ADS](#)
- Schaufelberger, A., Wurz, P., Barabash, S., et al., "Scattering function for lunar ENAs: Observations from SARA on board Chandrayaan-1", 2011epsc.conf..954S [ADS](#)
- Bagiya, M. S. & Sridharan, R., "Evolutionary phases of equatorial spread F including L band scintillations and plumes in the context of GPS total electron content variability: A case study", 2011JGRA..11610304B [ADS](#)
- Wieser, M., Barabash, S., Futaana, Y., et al., "Erratum to textquotedblleftExtremely high reflection of solar wind protons as neutral hydrogen atoms from regolith in space textquotedblright [Planet. Space Sci. 57 (2009) 2132-2134]", 2011P&SS..59..798W [ADS](#)
- Vineeth, C., Pant, T. K., Sumod, S. G., et al., "Planetary wave-tidal interactions over the equatorial mesosphere-lower thermosphere region and their possible implications for the equatorial electrojet", 2011JGRA..116.1314V [ADS](#)
- Vineeth, C., Pant, T. K., & Sridharan, R., "Daytime upper mesospheric energetics over a tropical station, Trivandrum (8.5 degN, 77 degE): An investigation using the multiwavelength dayglow photometry", 2011JGRA..116.1304V [ADS](#)
- Bagiya, M. S., Iyer, K. N., Joshi, H. P., et al., "Low-latitude ionospheric-thermospheric response to storm time electrodynamical coupling between high and low latitudes", 2011JGRA..116.1303B [ADS](#)
- Sridharan, R., Ahmed, S. M., Pratim Das, T., et al., "The sunlit lunar atmosphere: A comprehensive study by CHACE on the Moon Impact Probe of Chandrayaan-1", 2010P&SS..58.1567S [ADS](#)
- Futaana, Y., Barabash, S., Wieser, M., et al., "Protons in the near-lunar wake observed by the Sub-keV Atom Reflection Analyzer on board Chandrayaan-1", 2010JGRA..11510248F [ADS](#)
- Wieser, M., Schaufelberger, A., Barabash, S., et al., "Mini-magnetospheres above magnetic anomalies on the Moon", 2010epsc.conf..619W [ADS](#)

- Padinhatteeri, S., Sridharan, R., & Sankarasubramanian, K., "Seeing-Induced Errors in Solar Doppler Velocity Measurements", 2010SoPh..266..195P ADS
- Vineeth, C., Pant, T. K., Gurubaran, S., Hossain, M. M., & Sridharan, R., "A comparison of optically measured daytime OH temperatures over the tropics during solar maximum and minimum periods", 2010EP&S...62..647V ADS
- Bhardwaj, A., Dhanya, M. B., Sridharan, R., et al., "The Sub-KeV Atom Reflecting Analyzer (*sara*) Experiment Aboard CHANDRAYAAN-1 Mission: Instrument and Observations", 2010aogs...19..151B ADS
- Sridharan, R., Ahmed, S. M., Pratim Das, T., et al., "textquotelleftDirecttextquoteright evidence for water ( $H_2O$ ) in the sunlit lunar ambience from CHACE on MIP of Chandrayaan I", 2010P&SS...58..947S ADS
- Schaufelberger, A., Wurz, P., Barabash, S., et al., "Global Mapping of Backscattered Energetic Neutral Hydrogen at the Moon: Observations from SARA/Chandrayaan-I", 2010EGUGA..1214269S ADS
- Wieser, M., Barabash, S., Futaana, Y., et al., "Observation of a lunar mini-magnetosphere above a magnetic anomaly using energetic neutral atoms", 2010EGUGA..12.8590W ADS
- Wieser, M., Barabash, S., Wieser, M., et al., "Protons observed in the near lunar wake by the SARA/SWIM sensor onboard Chandrayaan-I", 2010EGUGA..12.5202F ADS
- Wieser, M., Barabash, S., Futaana, Y., et al., "First observation of a mini-magnetosphere above a lunar magnetic anomaly using energetic neutral atoms", 2010GeoRL..37.5103W ADS
- Bhardwaj, A., Barabash, S., Dhanya, M. B., et al., "Studying the Lunar-Solar Wind Interaction with the SARA Experiment aboard the Indian Lunar Mission Chandrayaan-I", 2010AIPC.1216..518B ADS
- Pant, T., Sumod, S. G., Vineeth, C., et al., "Atmosphere-Ionosphere coupling -manifestations in the low latitude ionosphere", 2010cosp...38.1257P ADS
- Manju, G., Sreelatha, P., Ravindran, S., et al., "A new Ionospheric Probe for insitu measurements of neutral wind and electron density", 2010cosp...38..950M ADS
- Futaana, Y., Barabash, S., Wieser, M., et al., "Plasma expansion into the lunar wake: Observation of protons by the SARA/SWIM sensor onboard Chandrayaan-I", 2010cosp...38..427F ADS
- Wieser, M., Barabash, S., Futaana, Y., et al., "Energetic neutral atom imaging of the moon: Observation of a mini-magnetosphere above a lunar magnetic anomaly", 2010cosp...38..424W ADS
- Bhardwaj, A., Barabash, S., Sridharan, R., et al., "Solar Wind Monitoring with SWIM-SARA Onboard Chandrayaan-I", 2010ASSP...19..531B ADS
- Wieser, M., Barabash, S., Futaana, Y., et al., "Extremely high reflection of solar wind protons as neutral hydrogen atoms from regolith in space", 2009P&SS...57.2132W ADS
- Vineeth, C., Pant, T. K., Kumar, K. K., Ramkumar, G., & Sridharan, R., "Signatures of low latitude-high latitude coupling in the tropical MLT region during sudden stratospheric warming", 2009GeoRL..3620104V ADS
- Manju, G., Pant, T. K., Devasia, C. V., Ravindran, S., & Sridharan, R., "Electrodynamical response of the Indian low-mid latitude ionosphere to the very large solar flare of 28 October 2003 - a case study", 2009AnGeo..27.3853M ADS
- Wieser, M., Barabash, S., Bhardwaj, A., et al., "Observations by the Sub-keV Atom Reflecting Analyzer (*sara*) on board of Chandrayaan-I", 2009epsc.conf..736W ADS
- Sreeja, V., Balan, N., Ravindran, S., et al., "Additional stratifications in the equatorial F region at dawn and dusk during geomagnetic storms: Role of electrodynamics", 2009JGRA..114.8309S ADS
- Sreeja, V., Devasia, C. V., Ravindran, S., Pant, T. K., & Sridharan, R., "Response of the equatorial and low-latitude ionosphere in the Indian sector to the geomagnetic storms of January 2005", 2009JGRA..114.6314S ADS
- Sreeja, V., Vineeth, C., Pant, T. K., Ravindran, S., & Sridharan, R., "Role of gravity wavelike seed perturbations on the triggering of ESF - a case study from unique dayglow observations", 2009AnGeo..27..313S ADS
- Kumar, K. K., Vineeth, C., Antonita, T. M., Pant, T. K., & Sridharan, R., "Determination of day-time OH emission heights using simultaneous meteor radar, day-glow photometer and TIMED/SABER observations over Thumba (8.5 degN, 77 degE)", 2008GeoRL..3518809K ADS
- Sridharan, R. & Allen, R. J., "Crowded-Field Astrometry with SIM PlanetQuest. II. An Improved Instrument Model", 2008PASP..120..791S ADS
- Tulasi Ram, S., Rama Rao, P. V. S., Prasad, D. S. V. V. D., et al., "Local time dependent response of postsunset ESF during geomagnetic storms", 2008JGRA..113.7310T ADS
- Manju, G., Ravindran, S., Devasia, C. V., Thampi, S. V., & Sridharan, R., "Plasmaspheric electron content (PEC) over low latitude regions around the magnetic equator in the Indian sector during different geophysical conditions", 2008JASTP..70.1066M ADS
- Vineeth, C., Pant, T. K., Thampi, S. V., et al., "Investigation of the response of equatorial MLTI region during a partial solar eclipse through ground-based daytime optical technique", 2008JGRA..113.3302V ADS
- Campbell, M. F., K., T., Sridharan, et al., "Mid-Infrared Photometry and Spectra of Three High-Mass Protostellar Candidates at IRAS 18151-1208 and IRAS 20343+4129", 2008ApJ...673..954C ADS
- Wieser, M., Barabash, S., Bhardwaj, A., et al., "The Sub-keV Atom Reflecting Analyzer on Chandrayaan-I", 2008cosp...37.3464W ADS
- Sridharan, R., "Small Satellites for Atmospheric and near earth Space sciences - the Indian perspectives of a low cost access to Space", 2008cosp...37.3008S ADS
- Pant, T., Vineeth, C., & Sridharan, R., "The polar Sudden Stratospheric Warming (SSW) and its possible manifestations in the equatorial Mesosphere-Thermosphere-Ionosphere", 2008cosp...37.2343P ADS
- G. M., Pant, T., Ravindran, S., & Sridharan, R., "On the response of the Indian low latitude ionospheric regions to the magnetic disturbances of October 2003", 2008cosp...37..956G ADS
- Bagiya, M., Thampi, S., Aggarwal, M., et al., "Geomagnetic storm effect on low-latitude total electron content", 2008cosp...37..158B ADS
- Sreejith, P., Sridharan, R., & Sankarasubramanian, K., "Seeing induced cross-talks in filter-based velocity measurements", 2008BASIP..25..40S ADS
- Sridharan, R. & Allen, R. J., "Crowded-Field Astrometry with SIM PlanetQuest. I. Estimating the Single-Measurement Astrometric Bias Arising from Confusion", 2007PASP..119.1420S ADS
- Sridharan, R. & Allen, R. J., "Estimation of confusion in SIM targets with a detailed focal plane model", 2007SPIE.6693E..1HS ADS
- Sridharan, R., Raja Bayanna, A., Louis, R. E., et al., "An image stabilization system for solar observations", 2007SPIE.6689E..0ZS ADS
- Pant, T. K., Tiwari, D., Vineeth, C., et al., "Investigation on the mesopause energetics and its possible implications on the equatorial MLTI processes through coordinated daytime airglow and radar measurements", 2007GeoRL..3415102P ADS
- Vineeth, C., Pant, T. K., Devasia, C. V., & Sridharan, R., "Highly localized cooling in daytime mesopause temperature over the dip equator during counter electrojet events: First results", 2007GeoRL..3414101V ADS
- Thampi, S. V., Balan, N., Ravindran, S., et al., "An additional layer in the low-latitude ionosphere in Indian longitudes: Total electron content observations and modeling", 2007JGRA..112.6301T ADS
- Vineeth, C., Pant, T. K., Devasia, C. V., & Sridharan, R., "Atmosphere-Ionosphere coupling observed over the dip equatorial MLTI region through the quasi 16-day wave", 2007GeoRL..3412102V ADS
- Thampi, S. V., Ravindran, S., Devasia, C. V., et al., "Coherent Radio Beacon Experiment (CRABEX) for tomographic imaging of the equatorial ionosphere in the Indian longitudes Preliminary results", 2007AdSpR..40..436T ADS
- Tulasi Ram, S., Rama Rao, P. V. S., Prasad, D. S. V. V. D., et al., "Local time dependant response of Indian equatorial ionosphere to the moderate geomagnetic storms", 2007AdSpR..39.1304T ADS
- Sridharan, R., "Interplay Between the Equatorial Geophysical Processes", 2006ihy..workE..52S ADS
- Thampi, S. V., Ravindran, S., Pant, T. K., et al., "Deterministic prediction of post-sunset ESF based on the strength and asymmetry of EIA from ground based TEC measurements: Preliminary results", 2006GeoRL..3313103T ADS
- Thampi, S. V., Ravindran, S., Devasia, C. V., et al., "Prediction of post-sunset ESF based on the strength and asymmetry of EIA from ground based TEC measurements", 2006ilws.conf..414T ADS
- Spann, J. F. & Sridharan, R., "Panel discussion: ILWS Panel Discussion on Future Collaborations", 2006ilws.conf..13S ADS
- Ravindran, S., Manju, G., Devasia, C. V., et al., "Plasmaspheric electron content variation in the magnetic equatorial region during space weather events: Results from the CRABEX (Coherent Radio Beacon Experiment) using the beacon onboard the Indian geostationary satellite (GSAT - 2)", 2006cosp...36.1784R ADS
- Thampi, S. V., Ravindran, S., Pant, T., et al., "Seasonal variation of the 'forecast parameter' for the occurrence of post-sunset ESF using ground based TEC measurements", 2006cosp...36.1781T ADS
- Pant, T., Vineeth, C., Sridharan, R., & Devasia, C., "Investigation of the mesopause energetics and its possible implications on the mesosphere-lower thermosphere-ionosphere (MLTI) processes", 2006cosp...36.1405P ADS
- Kazama, Y., Barabash, S., Bhardwaj, A., et al., "Energetic neutral atom imaging mass spectroscopy of the Moon and Mercury environments", 2006AdSpR..37..38K ADS
- Bhardwaj, A., Barabash, S., Futaana, Y., et al., "Low energy neutral atom imaging on the Moon with the SARA instrument aboard Chandrayaan-I mission", 2005JESS..114..749B ADS
- Sridharan, R., "On the Characteristic Scales of Solar Convection", 2005ASPC..346..47S ADS

- Patra, A. K., Tiwari, D., Devasia, C. V., Pant, T. K., & Sridharan, R., "East-west asymmetries of the equatorial electrojet 8.3 m type-2 echoes observed over Trivandrum and a possible explanation", 2005JGRA..11011305P [ADS](#)
- Vineeth, C., Pant, T. K., Antonita, M., et al., "A comparative study of daytime mesopause temperatures obtained using unique ground based optical and meteor wind radar techniques over the magnetic equator", 2005GeoRL..3219101V [ADS](#)
- Venkatakrishnan, P., Sridharan, R., & Gupta, S. K., "Imaging with Insolated Mirrors", 2005BASI...33..415V [ADS](#)
- Sridharan, R., Bayanna, A. R., Kumar, B., & Venkatakrishnan, P., "An Image Stabilization System for Solar Observations", 2005BASI...33..414S [ADS](#)
- Kumar, B., Sridharan, R., Bayanna, A. R., & Venkatakrishnan, P., "Preliminary Results on the Calibration and Control of an Adaptive Optics System", 2005BASI...33..413K [ADS](#)
- Bayanna, A. R., Sridharan, R., & Venkatakrishnan, P., "Phase Diversity Technique for High Resolution Solar Imaging", 2005BASI...33..413B [ADS](#)
- Venkatakrishnan, P., Sridharan, R., & Gupta, S. K., "Imaging with insolated mirrors", 2005BASI...33..265V [ADS](#)
- Thampi, S. V., Ravindran, S., Devasia, C. V., et al., "First observation of topside ionization ledges using radio beacon measurements from low Earth orbiting satellites", 2005GeoRL..3211104T [ADS](#)
- Sridharan, R. & Allen, R. J., "Ultimate Limits to Precision Astrometry with the SIM PlanetQuest Mission", 2005AAS..206.1402S [ADS](#)
- Patra, A. K., Tiwari, D., Sripathi, S., et al., "Simultaneous radar observations of meter-scale F region irregularities at and off the magnetic equator over India", 2005JGRA..110.2307P [ADS](#)
- Sridharan, R., Bayanna, A. R., & Venkatakrishnan, P., "Simulations of Solar AO Systems", 2005sao..conf..132S [ADS](#)
- Thampi, S., Pant, T., Ravindran, S., Devasia, C., & Sridharan, R., "Simulation studies on the tomographic reconstruction of the equatorial and low-latitude ionosphere in the context of the Indian tomography experiment: CRABEX", 2004AnGeo..22.3445T [ADS](#)
- Pant, T., Tiwari, D., Sridharan, S., et al., "Evidence for direct solar control of the mesopause dynamics through dayglow and radar measurements", 2004AnGeo..22.3299P [ADS](#)
- Sridharan, R., Dashora, N., & Venkatakrishnan, P., "Estimation of Fried's Parameter from Long-Exposure Solar Images", 2004SoPh..222..35S [ADS](#)
- Jyoti, N., Devasia, C. V., Sridharan, R., & Tiwari, D., "Threshold height ( $h'F_c$ ) for the meridional wind to play a deterministic role in the bottom side equatorial spread F and its dependence on solar activity", 2004GeoRL..3112809J [ADS](#)
- Tiwari, D., Patra, A., Devasia, C., et al., "Radar Observations of 8.3-m scale equatorial spread F irregularities over Trivandrum", 2004AnGeo..22..911T [ADS](#)
- Sridharan, R. & Bayanna, A. R., "Low-order adaptive optics for the meter aperture solar telescope of Udaipur Solar Observatory", 2004SPIE.5171..219S [ADS](#)
- Devasia, C. V., Tiwari, D., Patra, A. K., et al., "Radar observations of 8.3 m scale equatorial spread f irregularities over Trivandrum", 2004cosp..35.2566D [ADS](#)
- Patra, A. K., Pant, T. K., Devasia, C. V., Sridharan, R., & Subbarao, K. S. V., "East-west Asymmetry in the 8.3 m scale size EEJ irregularities over dip equator Trivandrum, India", 2004cosp..35.2563P [ADS](#)
- Kumar Pant, T., Tiwari, D., Subbarao, K. S., et al., "Causative mechanism for the variabilities exhibited by old 630.0nm dayglow through coordinated optical and radar measurements", 2004cosp..35.2467K [ADS](#)
- Kumar Pant, T., Tiwari, D., Vineeth, C., et al., "Investigation of the mesopause energetics and its possible implications on the mesosphere-lower thermosphere-ionosphere (MLTI) processes through coordinated daytime airglow and radar measurements", 2004cosp..35.2463K [ADS](#)
- Thampi, S. V., Devasia, C. V., Ravindran, S., Pant, T. K., & Sridharan, R., "An observational study on the Strength and Movement of EIA in the Indian zone - Results from the Indian Tomography Experiment (CRABEX)", 2004cosp..35.2169T [ADS](#)
- Devasia, C. V., Jyothi, N., Pant, K. T., Diwakar, T., & Sridharan, R., "Inhibition/Development of equatorial Spread F on magnetically disturbed days - A case study", 2004cosp..35.2164D [ADS](#)
- Devasia, C. V., Manju, G., Sudha Ravindran, S. V., et al., "On the equatorial ionospheric response to the severe Space Weather event of October - November 2003", 2004cosp..35.2162D [ADS](#)
- Beusch, J., Abbot, R., & Sridharan, R., "A system for predicting close approaches and potential collisions in geosynchronous orbits", 2004cosp..35..88B [ADS](#)
- Tiwari, D., Patra, A. K., Viswanathan, K. S., et al., "Simultaneous radar observations of the electrojet plasma irregularities at 18 and 54.95 MHz over Trivandrum, India", 2003JGRA..108.1368T [ADS](#)
- Sridharan, R., Raja Bayanna, A., Srivastava, N., et al., "Performance Evaluation of Adaptive Optics Systems", 2003BASI...31..455S [ADS](#)
- Taori, A., Sridharan, R., Chakrabarty, D., Modi, N. K., & Narayanan, R., "Significant upper thermospheric contribution to the  $O(^1S)557.7\text{nm}$  dayglow emission: first ground based evidence", 2003JASTP..65..121T [ADS](#)
- Sridharan, R., Venkatakrishnan, P., & Verma, V. K., "Estimation of Fried's Parameter From Specklegrams of Solar Features", 2002SoPh..211..395S [ADS](#)
- Sridharan, R., Devasia, C. V., Jyoti, N., et al., "Effects of solar eclipse on the electrodynamical processes of the equatorial ionosphere: a case study during 11 August 1999 dusk time total solar eclipse over India", 2002AnGeo..20.1977S [ADS](#)
- Selvamurugan, R., Devasia, C. V., Jain, A. R., et al., "Observations on Stratospheric-Mesospheric-Thermospheric temperatures using Indian MST radar and co-located LIDAR during Leonid Meteor Shower (LMS)", 2002AnGeo..20.1869S [ADS](#)
- Pant, T., Tiwari, D., Vijayalakshmi, V., et al., "Daytime optical and radar measurements of the equatorial MLTI regions - new results", 2002cosp...34E1839P [ADS](#)
- Sridharan, R., Jyoti, N., & Devasia, C., "Solar activity linked variabilities in the Thermospheric meridional winds and their control on the occurrence of Equatorial Spread-F", 2002cosp...34E1381S [ADS](#)
- Devasia, C., Jyoti, N., Sridharan, R., et al., "On the role of vertical electron density gradients in the generation of type II irregularities associated with blanketing Es during counter electrojet events - a case study", 2002cosp...34E1380D [ADS](#)
- Devasia, C. V., Jyoti, N., Subbarao, K. S. V., et al., "On the plausible linkage of thermospheric meridional winds with the equatorial spread F", 2002JASTP..64..1D [ADS](#)
- Sojka, J. J., Eccles, J. V., Thiemann, H., et al., "An observation-driven model of the equatorial ionosphere - DEOS rocket campaign study", 2002AdSpR..29..899S [ADS](#)
- Pant, T. K. & Sridharan, R., "Parameterisation of the local and non-local processes in the thermospheric energy budget based on DE-2 satellite data", 2001JASTP..63.1715P [ADS](#)
- Leclair, R. A. & Sridharan, R., "Probability of collision in the geostationary orbit", 2001ESASP.473..463L [ADS](#)
- Pant, T. K. & Sridharan, R., "Seasonal dependence of the response of the low latitude thermosphere for external forcings", 2001JASTP..63..987P [ADS](#)
- Taori, A., Sridharan, R., Chakrabarty, D., Narayanan, R., & Ramarao, P. V. S., "Coordinated thermospheric day-night airglow and ionospheric measurements from low latitudes-First results", 2001GeoRL..28.1387T [ADS](#)
- Pant, T. K. & Sridharan, R., "Plausible explanation for the equatorial temperature and wind anomaly (ETWA) based on chemical and dynamical processes", 2001JASTP..63..885P [ADS](#)
- Chandra, H., Sharma, S., Devasia, C. V., et al., "Sporadic-E associated with the Leonid meteor shower event of November 1998 over low and equatorial latitudes", 2001AnGeo..19..59C [ADS](#)
- Thiemann, H., Sojka, J. J., Eccles, J. J., et al., "Indo-German low-latitude project deos: plasma bubbles in the post sunset and nighttime sector", 2001AdSpR..27.1065T [ADS](#)
- Sridharan, R., Pallam Raju, D., Somayajulu, V. V., et al., "Imprint of equatorial electrodynamical processes in the OI 630.0 nm dayglow", 1999JASTP..61.1143S [ADS](#)
- Sridharan, R., Taori, A., Gurubaran, S., Rajaram, R., & Shepherd, M. G., "First results on daytime mesopause OH rotational temperatures using ground-based photometry from equatorial latitudes", 1999JASTP..61.1131S [ADS](#)
- Sridharan, R., Taori, A., Chakrabarty, D., et al., "Effects of 6 January 1997 space weather related processes in the low latitude thermosphere-ionosphere system", 1999JASTP..61.1001S [ADS](#)
- Thiemann, H., Mayer, G., Piel, A., et al., "DEOS: Rocket Investigations of the Indian Low-Latitude Ionosphere", 1999ESASP.437..429T [ADS](#)
- Pant, T. K. & Sridharan, R., "A case-study of the low-latitude thermosphere during geomagnetic storms and its new representation by improved MSIS model", 1998AnGeo..16.1513P [ADS](#)
- Raghavarao, R., Sridharan, R., & Suhasini, R., "Joule heating due to vertical ion currents in the lower thermosphere over the dip equator", 1998EP&S..50..833R [ADS](#)
- Pallam Raju, D. & Sridharan, R., "High resolution 2-D maps of OI 630.0 nm thermospheric dayglow from equatorial latitudes", 1998AnGeo..16..997P [ADS](#)
- Pensa, A. F. & Sridharan, R., "Monitoring of Objects in Space with the US Space Surveillance Network", 1998mdis.conf..305P [ADS](#)
- Sridharan, R., Chandra, H., Das, S. R., et al., "Ionization hole campaign-a coordinated rocket and ground-based study at the onset of equatorial spread-F: first results", 1997JASTP..59.2051S [ADS](#)

- Sekar, R., Sridharan, R., & Raghavarao, R., "Equatorial plasma bubble evolution and its role in the generation of irregularities in the lower F region", 1997JGR...10220063S [ADS](#)
- Thiemann, H., Mayer, G. V., Piel, A., et al., "DEOS: Dynamics of the Equatorial Ionosphere over SHAR: Indo-German Low-Latitude Rocket Project", 1997ESASP.397..349T [ADS](#)
- Chakraborty, P., Sankarasubramanian, K., Majumder, S., et al., "Photometry of solar corona to study the coronal structures.", 1997KodOB..13..69C [ADS](#)
- Sridharan, R., Beavers, W., Lambour, R., Gaposchkin, E. M., & Kan-  
sky, J., "Remote Sensing and Characterization of Anomalous Debris", 1997ESASP.393..261S [ADS](#)
- Andrews, S., Hall, D., & Sridharan, R., "Searching for Satellite Ejecta with  
Ground-Based Radars", 1997ESASP.393..65A [ADS](#)
- Pallam Raju, D., Sridharan, R., Gurubaran, S., & Raghavarao, R., "First results  
from ground-based daytime optical investigation of the development of the  
equatorial ionization anomaly", 1996AnGeo..14..238P [ADS](#)
- Raju, D. P., Sridharan, R., Narayanan, R., et al., "Ground-based  
optical observations of daytime auroral emissions from Antarctica", 1995JATP...57.1591R [ADS](#)
- Pallam Raju, D., Sridharan, R., Narayanan, R., et al., "Ground-based  
optical observations of daytime auroral emissions from Antarctica.", 1995JATP...57.1591P [ADS](#)
- Gurubaran, S., Sridharan, R., & Raghavarao, R., "Effects of neu-  
tral temperature on meridional winds estimated from ionospheric data", 1995JATP...57.1095G [ADS](#)
- Gurubaran, S., Sridharan, R., Suhasini, R., & Jani, K. G., "Variabilities in the  
thermospheric temperatures in the region of the crest of the equatorial ion-  
ization anomaly—a case study", 1995JATP...57..695G [ADS](#)
- Sridharan, R., Raju, D. P., Raghavarao, R., & Ramarao, P. V. S., "Precursor to  
equatorial spread-F in OI 630.0 nm dayglow", 1994GeoRL..21.2797S [ADS](#)
- Sridharan, R., Sekar, R., & Gurubaran, S., "Two-dimensional high-resolution  
imaging of the equatorial plasma fountain.", 1993JATP...55.1661S [ADS](#)
- Gurubaran, S. & Sridharan, R., "Effect of meridional winds and neutral temper-  
atures on the F layer heights over low latitudes", 1993JGR...9811629G [ADS](#)
- Sridharan, R., Haider, S. A., Gurubaran, S., Sekar, R., & Narayan, R., "OI  
630.0-nm dayglow in the region of equatorial ionization anomaly: Temporal  
variability and its causative mechanism", 1992JGR...9713715S [ADS](#)
- Sekar, R. & Sridharan, R., "Validity of the estimates of night-time meridional  
winds made from bottomside ionograms", 1992JATP...54.1197S [ADS](#)
- Sridharan, R., Raghavarao, R., Gurubaran, S., & Narayanan, R., "First re-  
sults of OI 630.0 nm dayglow measurements from equatorial latitudes", 1991JATP...53..521S [ADS](#)
- Sridharan, R., Gurubaran, S., Raghavarao, R., & Suhasini, R., "Co-  
ordinated thermospheric and F-region measurements from low latitudes", 1991JATP...53..515S [ADS](#)
- Sridharan, R., Raghavarao, R., Suhasini, R., Narayanan, R., & Sekar, R., "Winds,  
wind-shears and plasma densities during the initial phase of a magnetic storm  
from equatorial latitudes", 1989JATP...51..169S [ADS](#)
- Danilov, A. D., Pokhunkov, A. A., Varfolomeev, V. A., Sridharan, R., & Gupta,  
S. P., "Latitudinal variation in the ionospheric parameters - A Soviet-Indian  
experiment by simultaneous launchings", 1988JATP...50..175D [ADS](#)
- Gupta, R., Desai, J. N., Raghavarao, R., et al., "Excess heating  
over the equatorial latitudes during storm sudden commencement", 1986GeoRL..13.1055G [ADS](#)
- Sridharan, R., Raghavarao, R., Pokhunkov, A. A., & Varfolomeev, V. A., "Rel-  
ative ion composition variation over the dip equator - A comparison of mea-  
surements with IRI", 1985JATP...47.1081S [ADS](#)
- Raghavarao, R., Sridharan, R., & Suhasini, R., "The importance of verti-  
cal ion currents on the nighttime ionization in the equatorial electrojet", 1984JGR...8911033R [ADS](#)
- Sridharan, R. & Raghavarao, R., "Evidence for turbopause control on neutral  
density variations in the lower thermosphere", 1984JATP...46..851S [ADS](#)
- Sridharan, R. & Seni, W. P.: 1979, *An intermediate-averaged theory for high  
altitude orbits* 1979STIN..8012104S [ADS](#)
- Taff, L. G., Poirier, I. M., Freed, A., & Sridharan, R.: 1978, *Real time astrometry*  
1978STIN...7925952T [ADS](#)
- Sridharan, R. & Renard, M. L., "Non-Numeric Computation for High Eccen-  
tricity Orbits", 1975CeMec..11..179S [ADS](#)