PS-2 (Middle Atmosphere, Ionosphere-Thermosphere-Magnetosphere, Coupling Processes & Space Weather Impact) - List of accepted abstracts for Oral Presentation

Abstact ID	Name	Affilation	Title	Email Id
PS2-120	Saikat Majumder	Space Weather Analyst, Applications Engineer - SSA, Chief Technology Officer; Digantara Research and Technologies Pvt. Ltd.	A Critical Evaluation of Thermospheric Mass Density Models During Extreme Space Weather Events	saikat.majumder@digantara.co.in
PS2-020	Ashish P. Jadhav	Indian Institute of Geomagnetism, Navi Mumbai, India	Long-term analysis of planetary waves and their role in the atmosphere-ionosphere coupling	jadhavashishp19@gmail.com
PS2-062	Gopi Krishna Seemala	Indian Institute of Geomagnetism	Quiet time variability of TEC over Bharati, Antarctic station	gopi.seemala@iigm.res.in
PS2-092	S Sripathi	Equatorial Geophysical Research Laboratory, Indian Institute of Geomagnetism, Tirunelveli, India	Equatorial Plasma Bubbles (EPBs) as investigated using long term ionosonde observations over Tirunelveli and its comparison with satellite observations	ssripathi.iig@gmail.com
PS2-095	Remya Bhanu	Indian Institute of Geomagnetism	Energetic particle precipitation due to wave-particle interactions in the Earth's magnetosphere	remya.bhanu@iigm.res.in
PS2-017	Ms. Trunali Anil Shah	Indian	Impact of substorm associated dipolarization events on ion flux and associated wave activity observed from Van Allen Probes	trunalishah151996@gmail.com
PS2-039	Akash Kumar	Indian Institute of Technology Roorkee	Anomalous CO2 cooling in MLT region during a major warming event	akash_k@ph.iitr.ac.in
PS2-037	MV Sunil Krishna	Indian Institute of Technology Roorkee	An overview of radiative cooling by Nitric Oxide (NO) in MLT region and its response to multiple geomagnetic events	mv.sunilkrishna@ph.iitr.ac.in
PS2-131	V. Lakshmi Narayanan	(1) Krea University, Sricity, India, (2) University of Bath, Bath, UK	Investigation of the importance of geomagnetic activity as a source for gravity waves in the mesosphere	lakshmi.narayanan@krea.edu.in
PS2-115	P PavanChaitanya	1National Atmospheric Research laboratory, Gadanki, India 2Institute for Space-Earth Environmental Research, Nagoya University, Nagoya, Japan 3Research Institute for Sustainable Humanosphere, Kyoto University, Uji, Japan *Corresponding Author: pavan@narl.gov.in	Development and validation of ionospheric vertical plasma drift model for the Indian and Indonesian longitudes	pavan@narl.gov.in
PS2-113	K Raghunath	NARL	High power lidars at NARL	kraghunath@narl.gov.in
PS2-003	Gourav Mitra	Physical Research Laboratory; Leibniz Institute of Atmospheric Physics	Evidence of Two-Step Nonlinear Interactions in the Presence of Zonally Symmetric Waves during Major Sudden Stratospheric Warmings	reachmitragourav@gmail.com
PS2-063	Amitava Guharay	(1) Space & Atmospheric Sciences Division, Physical Research Laboratory, Ahmedabad, GJ, India, (2) Heliophysics, Planetary Sciences and Aeronomy Division, National Institute for Space Research, São José dos Campos, SP, Brazil	Impact of sudden stratospheric warming on low-latitude middle atmosphere	guharay@prl.res.in
PS2-018	Sovan Saha	Space and Atmospheric Sciences Division, Physical Research Laboratory, Ahmedabad, India; Laboratory for Atmospheric and Space Physics, University of Colorado, Boulder, CO, USA; High Altitude Observatory, National Center for Atmospheric Research, Boulder, CO, USA	Quarter-diurnal Tides in the Variation of Thermospheric Winds and the Nightglow Emissions over Low-latitudes	sovansaha93@gmail.com
PS2-029	Ankit Kumar	1. Physical Research Laboratory, Ahmedabad, India, 2. Utah State University, Logan, UT, USA, 3. Space Science and Applications Group, Los Alamos National Laboratory, Los Alamos, NM, USA, 4. National Atmospheric Research Laboratory, Gadanki, India, 5. University of Saskatchewan, Saskatoon, SK, Canada, 6. Indian Institute of Geomagnetism, Navi Mumbai, India, 7. Airport Authority of India, Ahmedabad, India	Equatorial electric field perturbations during pre-and post-midnight hours: insights on the effects of IMF By and substorm	ankit@prl.res.in
PS2-130	Tarun Kumar Pant	Space Physics Laboratory, VSSC, Trivandrum, India-695022	Implications of Equatorial E-Region Electrodynamics in Ionospheric Density Restructuring	pant.tk@gmail.com
PS2-103	Md. Mosarraf Hossain	Space Physics Laboratory, Vikram Sarabhai Space Centre, Trivandrum, Kerala	Observations of Thermospheric Midnight Temperature Maximum using a Fabry-Perot Interferometer: First results from an equatorial Indian station	mosarraf_sw@yahoo.co.in, mosarraf_hossain@vssc.gov.in
PS2-033	Ayisha M Ashruf	Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala	On the variability of the Atomic Oxygen Density in the Upper Atmosphere under different Solar Activity and Geomagnetic Conditions and its impacts on Satellite Drag	ayisha296@gmail.com
PS2-060	Dr. Ambili K M	Space Physics Laboratory, VSSC, ISRO	The role of the storm-time prompt penetrating electric field on the net distribution of plasma density over the low latitude ionospheric regions	ambilisadasivan@gmail.com
PS2-110	Mohammed Kursheed	Chaitanya Bharathi Institute of Technology, Hyderabad.	Analysis of Amplitude and Phase Scintillation of GNSS Signals	kursheed012@gmail.com

PS2-129	Ayushi Nema	Sardar Vallabhbhai National Institute of Technology Surat, Indian Institute of Technology Indore, India	Statistical analysis of HILDCAA events of two different solar cycles and their comparison	ds20ph002@phy.svnit.ac.in
PS2-108	Arun Jo Mathew	IISER Trivandrum	Extraction of Atmospheric Gravity waves from COSMIC GPSRO profiles and Identification of their Source Using GROGRAT model	arunjomathew19@iisertvm.ac.in
PS2-007	Venkatesh Kavutarapu	1-Physical Research Laboratory, Navrangpura, Ahmedabad, India; 2-Space Physics Laboratory, VSSC, Trivandrum, India	Parametric dependence of topside ionospheric scale height in NeQuick2 model and its consequences on the estimation of TECover the equatorial and low latitudes	venkateshk@prl.res.in
PS2-016	S Sathishkumar	Indian Institute of Geomagnetism	Simultaneous observations of terdiurnal and quarter-diurnal tides in the mesosphere and lower thermosphere from two medium frequency (MF) radars at Tirunelveli (8.7oN, 77.8oE) and Kolhapur (16.7oN, 74.2oE)	sathishkumar.s@iigm.res.in
PS2-123	Mohit Jagne	Dept. of Astronomy, Astrophysics and Space Engineering, Indian Institute of Technology Indore, India 453552	Beyond Individual Models: A Unified Ensemble Approach to Ionospheric TEC Prediction	ms2204121004@iiti.ac.in
PS2-036	Kshitiz Upadhyay	(1) Physical Research Laboratory, Ahmedabad, India; (2) IIT Gandhinagar, India.	Estimation of the downward heat flux in sub-auroral ionosphere using O(1D) dayglow emissions	kshitiz@prl.res.in
PS2-001	Sayak Chakraborty	Indian Centre for Space Physics	On the Laggy Nature of D-region Ionosphere during Solar Flares	sayak.kolkata@gmail.com
PS2-025	Meenakshi S	National Atmospheric Research Laboratory	Remarkable changes in thermospheric winds and F-region plasma drifts during the QBO disruption of 2019/20	meenakshipongalil@gmail.com
PS2-100	Duggirala Pallamraju	Space and Atmospheric Sciences Division, Physical Research Laboatory, Navrangpura, Ahmedabad 380009, India	CCD-based daytime airglow photometer (CDAP) – a portable photometer for obtaining daytime OI 630.0 nm airglow emissions from the ground	raju@prl.res.in
PS2-114	SRITAM HAJRA	National Atmospheric Research Laboratory, Gadanki	Investigations on the sources, coupling, and energy distribution during the Supersubstorms of the Solar Cycle 24	sritam008@gmail.com
PS2-024	Neetasha Govindram Arya	Indian Institute of Geomagnetism, Panvel	Lower Hybrid Drift Instablity in Earth's Magnetosphere	neetasha.arya1@gmail.com
PS2-028	Koushik N	Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram, India	A Puzzling Quasi-Periodic Variability in the Tropical Middle Atmosphere	koushiknk@gmail.com
PS2-004	Yes	Geomagnetism, CSIR-National Geophysical Research Institute	Lightning and Gravity Wave Signatures Produced by the Hunga-Tonga Volcanic Eruption on Global Geomagnetic Data	phaninelapatla@gmail.com
PS2-096	A K Patra	1National Atmospheric Research Laboratory, Gadanki, Tirupati, India 2Leibniz Institute of Atmospheric Physics, Kühlungsborn, Germany	Prediction of equatorial plasma bubble - how far is it possible?	akpatra@narl.gov.in
PS2-030	Diptiranjan Rout	National Atmospheric Research Laboratory, Gadanki, India, University of New Brunswick, Fredericton, NB, Canada, Institute for Space-Earth Environmental Research, Nagoya University, Nagoya, Japan, Physical Research Laboratory, Ahmedabad, India, Los Alamos National Laboratory, Los Alamos, NM, USA, Leibniz Institute of Atmospheric Physics at the University of Rostock, Kuhlüngsborn, Germany, Department of Physics and Engineering Physics, ISAS, University of Saskatchewan, Saskatoon, SK, Canada, Center for Space Science and Engineering Research Bradley Department of Electrical and Computer Engineering, Virginia Tech, Blacksburg, VA, USA, Department of Electrical and Computer Engineering, University of South Alabama, Mobile, AL, USA	The Growth of Ring Current/SYM-H Under Northward IMF Bz Conditions Present During the 21–22 January 2005 Geomagnetic Storm	diptiprl89@gmail.com
PS2-043	S. Tulasiram	Indian Institute of Geomangetism	Extremely large and rapid variation of equatorial geomagnetic field due to impingement of an interplanetary magnetic cloud	tulasiram.s@iigm.res.in
PS2-023	Anagha Prasad	(1) Centre for Earth, Ocean and Atmospheric Sciences, University of Hyderabad, Hyderabad, India (2) Department of Physics, Sri Venkateswara University, Tirupati, India	Seasonal and Interannual Variability of Quasi-two day wave over a Low Latitude Station	23espe01@uohyd.ac.in
PS2-012	RAHUL RATHI	Department of Physics, Indian Institute of Technology Roorkee, Roorkee – 247667, Uttarakhand, India; Aryabhatta Research Institute of Observational Sciences, Nainital – 263001, Uttarakhand, India	Investigations of different types of MSTIDs and the dynamics behind their generation over the western Himalayan region	rrathi@ph.iitr.ac.in
PS2-080	Raj Kumar Choudhary	SPL, VSSC, ISRO	Indian Network for Space Weather Impact Monitoring (InSWIM): An initiative to observe and model the low latitude ionosphere over the Indian longitudes	rajkumar.choudhary@gmail.com
PS2-050	RASHMI RAWAT	1National Centre for Polar and Ocean Research, MoES, Gov. of India, Goa; 2Department of Atmospheric Sciences, School of Marine Sciences Cochin, University of Science and Technology, Kerala	Long-term variations in the mesospheric winds over Maitri (~70° S), Antarctica	rashmirs10@gmail.com
PS2-075	Kiran	Space and Atmospheric Sciences Division, Physical Research Laboratory, Ahmedabad 380009, India	Mesospheric Dynamics: Insights from the PRL Airglow InfraRed Spectrograph (PAIRS) over Ahmedabad, India	vishukiran@prl.res.in

PS2-067	Ghouse Basha	National Atmospheric Research Laboratory, Department of Space, Gadanki 517112, India	Disturbing the Middle Atmospheric Balance: The Enduring Impact of Hunga Tonga-Hunga Ha'apai volcanic eruption	mdbasha@gmail.com
PS2-084	Sruthi T V	1. Space Physics Laboratory, Vikram Sarabhai Space Centre, Trivandrum, India, 2. Department of Physics, University of Kerala, Trivandrum, India	Equatorial E region plasma irregularity spectral characteristics and causative mechanisms: An analysis using rocket based in-situ measurements under varying geophysical conditions	sruthitv10@gmail.com
PS2-058	Surendra Sunda	Airports Authority of India	Novel Technique for Investigating Ionospheric Response due to Tonga Volcanic Eruption on 15 January 2022	ssunda@aai.aero
PS2-083	Veenus Venugopal	(1) Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram-695022 (2) Department of Physics, University of Kerala, Thiruvananthapuram-695581	Influence of QBO in the intensity of BDC and its implications in the distribution of stratospheric ozone and water vapour	veenusvenugopal@gmail.com
PS2-065	Yes	National Centre for Geodesy, Indian Institute of Technology, Kanpur, Dept of Earth Sciences, Indian Institute of Technology, Kanpur, Dept of Electrical Engineering Department, Frederick University Cyprus	Ionospheric precursors observed before Assam and Nepal Earthquakes	umap@iitk.ac.in;pandeyuma68@gmail.com
PS2-144	Bhattacharjee	Institute of Radio Physics and Electronics, University of Calcutta	Ionospheric Reconstruction over the Indian Sub-continent using GNSS Signal Tomography	kbhattacharjee176@gmail.com
PS2-140	Arti Bhardwaj	CSIR National Physical Laboratory, AcSIR	Mrs	arti.bhardwaj0@gmail.com
PS2-074	Mohammad Rafeeq Rather	University of Kashmir, National Atmospheric Research Laboratory (NARL)	Simultaneous study of plasma blobs, MSTIDs and plasma irregularities over low-mid latitude geomagnetic transition region	rafeeqmsph@gmail.com
PS2-087	Bitap Raj Kalita	Dibrugarh University	DR.	bitapkalita@dibru.ac.in
PS2-071	S SRIDHARAN	NATIONAL ATMOSPHERIC RESEARCH LABORATORY	Semi-diurnal tidal influence on the Ionosphere-Thermosphere-Mesosphere (ITM) system	susridharan@narl.gov.in
PS2-061	Ajith K K	National Atmospheric Research Laboratory, Gadanki, India. Key Laboratory of Earth and Planetary Physics, Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing, China. Indian Institute of Geomagnetism, Mumbai, India.	Identifying the Onset Location of Equatorial Plasma Bubbles (EPBs) and its Relationship with the Background Ionospheric Conditions.	ajithkk2007@gmail.com
PS2-054	Sunil Kumar	1Physical Research Laboratory, Ahmedabad, Gujrat, India; British Antarctic Survey, Cambridge, UK	A New Approach to Obtain Daytime Three-Dimensional Gravity Wave Characteristics	sukulhari@gmail.com
PS2-141	Abhirup Datta	IIT Indore	Characterizing Low-Latitude Ionosphere with GMRT	abhirup.datta@iiti.ac.in
PS2-069	C. Vineeth	Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala	Vertical Coupling during Counter Electrojet Events and its Impact on Thermospheric O1D 630.0 nm Dayglow Emission	cnvins@gmail.com
PS2-142	Soumen Datta	IIT Indore	Tropical cyclone induced gravity wave propagation over tropical thermosphere	soumendatta88@gmail.com
PS2-064	Abhay Kumar Singh	Department of Physics, Banaras Hindu University, Varanasi-221005, (U.P.), India.	Professor	singhak@bhu.ac.in
PS2-112	Ajeet Kumar Maurya	Department of Physics, Babasaheb Bhimrao Ambedkar University, Lucknow, India	On the lower ionospheric effect of recent geomagnetic storms of March and April 2023 inferred using very low frequency signals recorded at low latitude Indian station	ajeet.phys@email.bbau.ac.in
PS2-019	Gayathri B	(1) Indian Institute of Geomagnetism, Mumbai, India (2) Equatorial Geophysical Research Laboratory, Indian Institute of Geomagnetism, Tirunelveli, India	Probing the evolution of the Equatorial Plasma Bubbles (EPBs) using ionosonde observations and its implication for their prediction	balamurugangayathri135@gmail.com
PS2-111	Ravindra Pratap Singh	Physical Research laboratory	Short Wave Infrared Imager (SIRI) observations of small-scale gravity waves from Mount Abu (24.6 oN, 72.8 oE)	ravindra@prl.res.in
PS2-034	Shubhangi Lagad	Indian Institute of Geomagnetism, New Panvel(W), Navi Mumbai, 410218 India	Electron Plasma Wave Activity Around the Earth's Magnetopause Region	shubhangilagad1@gmail.com
PS2-134	Karanam Kishore Kumar	Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram	Quasi Two-day Waves In Earth’s Middle Atmosphere: Sources, Propagation Characteristics and Wave-Wave Interactions	kishore_nmrf@yahoo.com
PS2-145	Ashik Paul	Institute of Radio Physics and Electronics, University of Calcutta	Potential applications of the new ST Radar facility at Kolkata	Ashik Paul <ap.rpe@caluniv.ac.in>

PS-2 (Middle Atmosphere, Ionosphere-Thermosphere-Magnetosphere, Coupling Processes & Space Weather Impact) - List of accepted abstracts for Poster Presentation

Abstact ID	Name	Affilation	Title	Email Id
PS2-085	Dr. Barsha Dutta	Dibrugarh University, Jengraimukh College, SRM Institute of Science and Technology, University of Delhi, Digboi College, Sadia College	Troposphere-stratosphere-ionosphere interaction during tropical cyclones	barshaduttakakoty@gmail.com
PS2-055	Arti Mishra	Nehru Gram Bharati Deemed to be University,Prayagraj	Mrs.	artimisra2601@gmail.com
PS2-091	Urvashi Jinwal	National Atmospheric Research Laboratory, Gandaki-517112, A.P., India	Improving Lidar performance by Laser Beam Combining	urvashi@narl.gov.in

PS2-002	Dr. O. B. Gurav	1Department of Physics, Bharati Vidyapeeth (Deemed to be University), Yashwantrao Mohite College of Arts, Science and Commerce, Pune, 411038, Maharashtra, India., omgurav91@gmail.com 2Medium Frequency Radar, Indian Institute of Geomagnetism, Shivaji University Campus, Kolhapur, 416004, Maharashtra, India., rupeshghodpage@gmail.com 3Earth & Climate Science Area, National Remote Sensing Centre, Hyderabad, India., alok.taori@gmail.com 4Indian Institute of Geomagnetism, Navi Mumbai, 410218, Maharashtra, India., sripathi@iigs.iigm.res.in 5Dr. K. S. Krishnan Geomagnetic Research Laboratory (KSKGRL) Prayagraj (U.P.), India., ptpiigkop@yahoo.com, 6Space and Earth Science Laboratory, Department of Physics, Shivaji University, Kolhapur, India 7Jaysingpur College, Jaysingpur (Affiliated to Shivaji University), Kolhapur mane.axy7@gmail.com E-mail of the corresponding/presenting Author: omgurav91@gmail.com	Evidence of Interaction of Equatorial Plasma Bubbles with Medium Scale Travelling Ionospheric Disturbances during post mid-night sector over Indian region	omgurav91@gmail.com
PS2-073	mini rajput	BANARAS HINDU UNIVERSITY	Ionospheric Plasma Variabilities using GPS and Modelled TEC over Equatorial-, Low-, Mid- and High-Latitude Stations During Low and High Solar Activity	mini.rajput.2015@gmail.com
PS2-119	Mukulika Mondal	Banaras Hindu University	Effect of Geomagnetic Storms Using ROTI Index Over Low and Mid Latitude Ionosphere	missmukulika@bhu.ac.in
PS2-011	Dr.HARLEEN KAUR	barkatullah university bhopal and oriental college bhopal	An analogous study on ionospheric parameter measured with ionosonde and predicted using IRIPLAS-2011 Model during earthquake at Mid and Low Latitude	harleen74@gmail.com
PS2-021	Kuruva Lakshmanna	Department of ECE, Jawaharlal Nehru Technological University Anantapur, India. Department of ECE, Chaitanya Bharathi Institute of Technology, Hyderabad, India. Department of AI&DS, Chaitanya Bharathi Institute of Technology, Hyderabad, India. Department of ECE, PBR Visvodaya Institute of Technology & Science, Kavali, India.	ML based Detection of Ionospheric Scintillations in multiple directions over a low latitude station using GNSS	lakshmanna05@gmail.com
PS2-041	Dr. Azad A. Mansoori	Department of Physics, Govt. P. G. College, Tikamgarh, M. P. India, 472001	Investigation of Solar Flare Effects on GPS TEC and their positional dependence at Low, Mid and High Latitudes	drazad.amansoori@mp.gov.in
PS2-139	BIBEK RAI	1. Dibrugarh University , 2. Vietnam Academy of Science, Vietnam	The investigation of ionospheric plasma irregularity in southern hemisphere.	bibekrai2722@gmail.com
PS2-104	Debrup Hui	1. Ghani Khan Choudhury Institute of Engineering and Technology, Malda, India-732141 2. Physical Research Laboratory, Ahmedabad, India-380009	Importance of Curl free nature of Low Latitude Ionospheric Electric Field in Determining Ionospheric Electrodynamics using Indian Aditya-L1 and Upcoming DISHA Mission Data	deb4shillong@gmail.com
PS2-143	A.K Dwivedi	Harish Chandra PG College Varanasi	Effect of inhomogeneous magnetic and electric field on auroral currents by Kinetic Alfven wave	akdwivedi875@gmail.com
PS2-010	K SIBA KIRAN GURU	Indian Institute of Geomagnetism, Plot-5, Sector-18, New Panvel (west), Navi Mumbai, India-410218 ; Equatorial Geophysical Research Laboratory (EGRL), Indian Institute of Geomagnetism, Krishnapuram, Tirunelveli-627011	A study on Ionosonde derived true-height density profiles using POLynomial ANalysis and its comparison with COSMIC RO density profiles	sibakiranguru@gmail.com
PS2-082	Dr. Nilam Yashwant Bhosale	Indian Institute of Geomagnetism	The impact of Interplanetary (IP) shocks on Equatorial Electrojet (EEJ) –Empirical Relation	nilambhosale0@gmail.com
PS2-093	Sarvesh Chandra	Indian Institute of Geomagnetism	Mr	sarvesh.c@iigm.res.in
PS2-015	Prasanna Mahavarkar	IIG New Panvel and SPPU Pune	Development of an Integrating Sphere based Fabry-Perot Interferometer for Aeronomy Studies	mahavarkarprasanna@gmail.com
PS2-137	Bhuvnesh Brawar	IIT Indore	Exploring the Impact of Solar Flares on Earth's Ionosphere Using a Multi-Messanger Approach	phd2101121005@iiti.ac.in
PS2-136	Sirsha Nandy	Indian Institute of Technology Indore. CEA Saclay, France.	Deciphering Solar Wind-Magnetosphere Interactions through Numerical Modeling	nandysirsha@gmail.com
PS2-038	Alok Kumar Ranjan	Indian Institute of Technology Roorkee	Seasonal variation in nighttime NO radiative cooling as observed by TIMED/SABER	aranjan1@ph.iitr.ac.in
PS2-040	Dayakrishna Nailwal	Indian Institute of Technology Roorkee	Modeling of atomic oxygen green line (557.7 nm) emission in upper atmosphere using machine learning	dnailwal@ph.iitr.ac.in
PS2-138	Vishnu Singh Rathore	Department of Physics, J. S. University, Shikohabad, 283135, India; Department of Physics, Banaras Hindu University, Varanasi, 221005, India	Unveiling Ionospheric Dynamics during Ascending Solar Cycle 24: A Comparative Analysis of IRI Models with Top-Side Parameterizations	vishnurathore1989@gmail.com

PS2-101	SHIBU R	University of Kerala	Spatial distribution analysis of self-similar and multifractal features of ground geomagnetic field fluctuations	shibu030@gmail.com
PS2-051	ARCHA P CHANDRAN	(1)Department of Physics, Mahatma Gandhi College, Thiruvananthapuram (2) Space Physics Laboratory, Vikram Sarabhai Space centre, Thiruvananthapuram	Meteor Radar Observations of Structure and Dynamics of Quasi-16 Day Waves in the Mesosphere Lower Thermosphere over Thumba (8.5°N, 76.5°E)	archachandran1998@gmail.com
PS2-042	VIVEKANANDAN R S	University College Thiruvananthapuram	Oscillations of the Magnetotail Plasma Sheet Parameters During a Solar Flare in the Maximum Activity Year	vivekanandanrs@gmail.com
PS2-072	Aashiq Hussain Bhat	National Atmospheric Research Laboratory; University of Kashmir	Impacts of Lower Atmospheric Gravity Waves on Ionospheric Disturbances over Srinagar, J and K, IndiaImpacts of Lower Atmospheric Gravity Waves on Ionospheric Disturbances over Srinagar, J and K, India	bhatashiq362@gmail.com
PS2-117	P PavanChaitanya	1National Atmospheric Research laboratory, Gadanki, India 2Institute for Space-Earth Environmental Research, Nagoya University, Nagoya, Japan 3Research Institute for Sustainable Humanosphere, Kyoto University, Uji, Japan *Corresponding Author: pavan@narl.gov.in	Semidiurnal Lunar wave controlled equatorial ionospheric vertical plasma drifts during sudden stratospheric warming	pavan@narl.gov.in
PS2-105	G Janardana Reddy	National Atmospheric Research Laboratory	Auto-scaling of low-latitude ionospheric parameters from digisonde observations	janasvu@gmail.com
PS2-109	Ajith K K	National Atmospheric Research Laboratory, Gadanki, India.	A Machine Learning Based zonal drift model for Equatorial Plasma Bubbles (EPBs)	ajithkk2007@gmail.com
PS2-118	P PavanChaitanya	1National Atmospheric Research Laboratory, Gadanki, India *Corresponding Author: pavan@narl.gov.in	Development of a neural network based electron density model for Indian low latitude using digisonde observations	pavan@narl.gov.in
PS2-122	Soujan Ghosh	National Atmospheric Research Laboratory	Whether equatorial plasma bubble (EPB) can be predicted using C/NOFS observations	soujan@narl.gov.in
PS2-078	A.Kalyan Teja	National Atmospheric Research Laboratory and Sri Venkateswara university.	Mean winds and tidal variability from troposphere to the thermosphere by combining ground based and space borne measurements: First results	aktsvu@gmail.com
PS2-097	A K Patra	1National Atmospheric Research Laboratory, Gadanki 2Institute of Radio Physics and Electronics, University of Calcutta, Kolkata	First results on the mesospheric echoing layers, winds and turbulence from the 53 MHz radar from Haringhata	akpatra@narl.gov.in
PS2-116-Sritam Hajra	SRITAM HAJRA	National Atmospheric Research Laboratory, Gadanki	Investigations on the geomagnetic responses and geomagnetically induced currents during the Supersubstorms of the Solar Cycle 24	sritam008@gmail.com
PS2-107-Qadeer Ahmed	Qadeer Ahmed	1-Academy of Scientific and Innovative Research (AcSIR), Ghaziabad 201002, India. 2-Environmental Science and Biomedical Metrology Division, CSIR-National Physical Laboratory, New Delhi -110060, India	Response of ionospheric F2 region at low mid latitude Indian station, Delhi due to sudden stratospheric warming (SSW) events.	qahmed785@gmail.com
PS2-106-Ankit Gupta	Ankit Gupta	CSIR- National Physical Laboratory, New Delhi	Mr	akki.ankitgupta1995@gmail.com
)99-Perumalla Naveen Ku	Perumalla Naveen Kumar	Osmania University, Hyderabad	Comparative Analysis of S4 index for L5 and S Band Signals for Indian NavIC Constellation	drnaveenkumarp9@osmania.ac.in
)98-Perumalla Naveen Ku	Perumalla Naveen Kumar	Osmania University, Hyderabad	Ionospheric Scintillation activity during 2017 Geomagnetic Strom condition over Hyderabad Station	drnaveenkumarp9@osmania.ac.in
127-Dr. Ravindra Pratap S	Dr. Ravindra Pratap Singh	Physical Research Laboratory	Long term influences on the OH(6-2) and O2(0-1) brightness and rotational temperatures: Inferences from NIRIS observations	ravindra@prl.res.in
2-077-Muhammed Kutty	Muhammed Kutty PV	Government Higher Secondary School Vazhakkad, Malappuram, Kerala., & Equatorial Geophysical Research Laboratory, Indian Institute of Geomagnetism, Tirunelveli, Tamil Nadu	Dr.	mk.egrl.iig@gmail.com
PS2-056-Dr. Dada P. Nad	Dr. Dada P. Nade	1Department of Physics, Dr. Patangrao Kadam Mahavidyalaya College, Sangli, (Shivaji University, Kolhapur) 2Indian Institutes of Tropical Meteorology, Ministry of Earth Sciences, Pune 3National Remote Sensing Centre, ISRO, Hyderabad 4Department of Physics, Sanjay Ghodawat University, Kolhapur 5Fabtech Technical Campus, College of Engineering and Research, Sangola	Observations of enhancement in plasma intensity of OI 630.0 nm emission over western Indian station, Kolhapur	dpnade@gmail.com
33-Gangadhar Achyut C	Gangadhar Achyut Chavan	Sir Parashurambhau College, Pune	Scintillation and TEC observations of NavIC signal in equatorial crest region Kolhapur	gangadharchavan2@gmail.com
PS2-052-Shimna Kannoth	Shimna Kannoth	Space Physics Laboratory, VSSC, ISRO, Trivandrum-695022, India.	Dr	shimna.kan@gmail.com
PS2-102-Sruthi T V	Sruthi T V	1.Space Physics Laboratory, Vikram Sarabhai Space Centre, Trivandrum, India, 2.Department of Physics, University of Kerala, Trivandrum, India	Study on the generation and sustenance of ionospheric F region irregularities: A multi-instrumental analysis over Thumba	sruthitv10@gmail.com

PS2-124-Ajay Potdar	Ajay Potdar	Space Physics Laboratory, Vikram Sarabhai Space Centre, Indian Space Research Organisation	First results from reconstruction of simulated ionospheric electron density distribution over the Indian region using SMART tomography technique	ajaypotdar99@gmail.com
25-LALITHA G KRISH	LALITHA G KRISHNAN	SPACE PHYSICS LABORATORY, VSSC, THIRUVANANTHAPURAM	Study on the Seasonal Variability of the Drift of the E-region Plasma Irregularities over Indian Dip Equatorial Region During Geomagnetically Quiet Times	lalithag28@gmail.com
S2-128-Tarun Kumar Par	Tarun Kumar Pant	Space Physics Laboratory Vikram Sarabhai Space Centre Thiruvananthapuram-695022	Space Weather, DISHA Mission and Thermospheric Composition Measurement	tarun_kumar@vssc.gov.in
PS2-022-Vaishali Portel	Vaishali Portel	(1) Centre for Earth, Ocean and Atmospheric Sciences, University of Hyderabad, Hyderabad, India (2) ISEE, Nagoya University, Japan (3) National Institute of Polar Research, Tokyo, Japan	Meteor distribution over Arctic- a comprehensive long-term analysis	23espe03@uohyd.ac.in
PS2-006-Subarna Monda	Subarna Mondal	Physical Research Laboratory, Ahmedabad-380009, Gujarat, India; Physical Research Laboratory, Ahmedabad-380009, Gujarat, India; Indian Institute of Technology Roorkee, Roorkee-247667, Uttarakhand, India; Indian Institute of Technology Roorkee, Roorkee-247667, Uttarakhand, India; NASA Langley Research Center, Mail Stop 420, Hampton, VA, USA.	Observation of Mesospheric Frontal Interaction and Associated Processes	subarnaphd@gmail.com
PS2-046-P T Patil	P. T. Patil	Technical Officer - IV	Measurements of D-region electron density in the low latitude station Kolhapur using MF Radar	parashram.p@iigm.res.in
S2-044-Ankita Manjreka	Ankita Manjrekar	Indian Institute of Geomagnetism, Navi Mumbai, India.	A new method for deriving true height electron density profile from Ionograms	ankita.m1011@gmail.com
S2-045-Ankita Manjreka	Ankita Manjrekar	Indian Institute of Geomagnetism, Navi Mumbai, India.	Reconstructing the Large Scale Wave Structure (LSWS) using satellite traces	ankita.m1011@gmail.com
PS2-005-Dipjyoti Patgiri	Dipjyoti Patgiri	Department of Physics, Indian Institute of Technology Roorkee, Roorkee 247667, Uttarakhand, India; Aryabhatta Research Institute of Observational Sciences, Nainital 263001, Uttarakhand, India; Space and Atmospheric Sciences Division, Physical Research Laboratory, Ahmedabad 380009, Gujarat, India	A case study on multiple self-interactions of MSTID bands: New insights	dipjyoti_p@ph.iitr.ac.in
PS2-014-Omkar Patil	Omkar M. Patil	Dr. KSK Geomagnetic Research Laboratory, IIG, Prayagraj, India; Indian Institute of Geomagnetism (IIG), Navi Mumbai, India	Extremely Severe Cyclonic Storm Fani induced Ionospheric perturbations	omkarmpatil5@gmail.com
S2-032-T. Madhavi Lath	T. Madhavi Latha	Department of Physics, Andhra University, Visakhapatnam, A.P	Behavior of ionospheric F2 region during Geomagnetic storm associated with Solar flare	madhavilatha809@gmail.com
PS2-031	IPSITA KATUAL	Indian Institute Of Geomagnetisim (IIG),New Panvel	Anomalous Day-to-Day Variability of Ionospheric Scintillation During 23-24th April, 2023 Geomagnetic storm as Inferred through GPS-TEC derived ROTI Observations	ipsitakatual96@gmail.com
PS2-047	Bhupendra Malvi	Department of Applied Sciences, National Institute of Technical Teachers' Training and Research (NITTTR) Bhopal - 462002, M.P., India	Analysis of Ionospheric Total Electron Content Variation during the Intense Geomagnetic Storm on June 22, 2015, across the Globe	bhup1201@gmail.com
PS2-035	Kshitiz Upadhyay	(1) Physical Research Laboratory, Ahmedabad, India; (2) IIT Gandhinagar, India; (3) University of Massachusetts, Lowell, MA, USA.	Imprint of storm enhanced density in ground-based OI 630.0 nm dayglow measurements	kshitiz@prl.res.in
PS2-008	Sumanta Sarkhel	Indian Institute of Technology Roorkee, Aryabhatta Research Institute of Observational Sciences, Physical Research Laboratory	A rare interaction between a westward propagating plasma blob and dark band of a Medium Scale Traveling Ionospheric Disturbances	sarkhel@ph.iitr.ac.in
PS2-053	Sunil Kumar	1Physical Research Laboratory, Ahmedabad, Gujrat, India; 2Leibniz Institute of Atmospheric Physics at the University of Rostock, Kühlungsborn, Germany; 3High Altitude Observatory, National Center for Atmospheric Research, Boulder, CO, USA; 4COSMIC Program Office, University Corporation for Atmospheric Research, Boulder, CO, USA	Impact of strong and weak stratospheric polar vortices on the Ionosphere	sukulhari@gmail.com
PS2-076	Kiran	Space and Atmospheric Sciences Division, Physical Research Laboratory, Ahmedabad 380009, India	Exploring the impact of Atmospheric Gravity waves using OH(3-1) brightness and rotational temperature from 4 years of observations over Ahmedabad (23.0 N, 72.6 E) using Krassovsky Method	vishukiran@prl.res.in
PS2-066	S S RAO	1Udaipur Solar Observatory, Physical Research Laboratory Udaipur, India 2Tripura University, Agartala, India 3Space and Atmospheric Sciences Division, Physical Research Laboratory Ahmedabad, India	Dr.	ssraophy116@gmail.com
PS2-086	REETAMBHARA DUTTA	NATIONAL ATMOSPHERIC RESEARCH LABORATORY, INDIAN INSTITUTE OF SPACE SCIENCE AND TECHNOLOGY	Is there any role of tides in driving the polar UMLT winds?	rupsadutta.rd@gmail.com
PS2-057	Surendra Sunda	Airports Authority of India	Impact of Severe Geomagnetic & Ionospheric Storms on Indian SBAS - GAGAN During Recent Solar Cycle 25	ssunda@aai.aero

PS2-009	Dr Shivali Verma	Oriental College of Technology, Bhopal,MP,India	Study of solar storm impact on VLF signals by using deep learning neural network	shivali.atre@gmail.com
PS2-048	KSHAMA TIWARI	Banaras Hindu University	Response of intense solar flares during the descending phase of solar cycle 24 using VLF measurement	tiwarikshama@bhu.ac.in
PS2-088	Rahul Rawat	1Indian Institute of Geomagnetism, Navi Mumbai 410218, India	An Investigation of the Response of Hunga Tonga Volcanic Eruptions on Schumann Resonances Measurements	rahul.rawat@iigm.res.in
PS2-049	Sukanta Sau	(1) Equatorial Geophysical Research Laboratory, Indian Institute of Geomagnetism, Tirunelveli, India; (2) Krea University, Sri City, Andhra Pradesh, India; (3) MIT Haystack Observatory, Westford, Massachusetts, USA; (4) Indian Institute of Geomagnetism, Navi Mumbai, India	Comparison between rotational temperatures derived from a multi-filter photometer operated at Tirunelveli and SABER measurements	sukanta.sau@gmail.com
PS2-059	Navin Parihar	Indian Institute of Geomagnetism	Rare occurrence of off-equatorial edge initiating and equatorward surging plasma depletions observed in OI 630 nm imaging	navin.parihar@iigm.res.in
PS2-121	Anshul Singh	(1) National Physical Laboratory, Atmospheric Science & Metrology, New Delhi, India, (2) Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, India	Characteristics of X-Class Solar Flares in X-Ray and EUV bands during 23rd, 24th, and 25th Sunspot Cycles	phy.anshul@gmail.com
PS2-081	Sandip Bhattacharyya	Physical Research Laboratory, Ahmedabad, India	Estimation of Earth's Magnetic Field Through Digisonde Measurements Over Ahmedabad	sandipbhat643@gmail.com
PS2-079	Komal	Physical Research Laboratory, Ahmedabad, Gujarat,2Indian Institute of Technology, Gandhinagar, Gujarat	Relative contributions of the E and F-region processes to the daytime Green Line emissions.	komal@prl.res.in
PS2-070	Charitarth Vyas	Sarvajanik University, Surat	Unveiling the Dynamics of TEC in Surat, India: Exploring Connections to Space Weather and Extreme Events	charitarthvyaspro@gmail.com
PS2-126	Vikash Rishi Dharan K	Indian Institute of Science Education and Research, Thiruvananthapuram.	Latitudinal Variation of Solar Diurnal, Semi-diurnal, and Terdiurnal Tides using a network of meteor radars and SD WACCM simulation.	vikash2419@iisertvm.ac.in
PS2-089	Archana RK	CSIR-National Geophysical Research Institute, Hyderabad, India	Seasonal pattern of Inter-hemispheric Field-Aligned Currents – Observations from ground geomagnetic measurements	archanamgp.ngri@gmail.com
Shifted_1	Chaithra P	1Department of Physics, Bangalore University, Bengaluru – 560056; 2Indian Centre for Space Physics (ICSP), Kolkata – 700099	Temporal variations of ionospheric TEC over Bengaluru	chaithra.assrphy7@gmail.com
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Shifted_4	IOUDHARY CHAMPABAI KISHNARA	1 Ph.D Research Scholer,Kskv Kachchh University , 2 Assistant Professor ,Department Of Physics , Tolani College Of Arts And Science,Adipur,Kskv Kachchh University , 3 Associate Professor , Indian Institute Of Geomagnetism	" Storm on Ionosphere During Nov 2021"	samikshachoudhary50@gmail.com
Shifted_5	SHNA SAMALLA,DR P NAVEEN KUM	OSMANIA UNIVERSITY	An Efficient Anti-Spoofing Algorithm to Detect and Mitigate GNSS/GPS	krishnas@sreenidhi.edu.in
Shifted_6	Arti Mishra	Department of Physics, Nehru Gram Bharti Deemed to be University, Prayagraj-221505	Ionospheric perturbations induced by Gorkha Nepal Earthquake	artimisra2601@gmail.com
Shifted_7	Mr. Amit Kumar Chakraborty	(1) Research Scholar, Department of Radio Physics and Electronics, University of Calcutta, Kolkata, India (2) Assistant Professor, Department of Electronics and Communications Engineering, Dream Institute of Technology, Kolkata, India	Prediction of Total Electron Content in the Ionosphere: A Machine Learning Approach	AKC.ECE14@GMAIL.COM