

**PS2: Posters****Date: 26-02-2024****Time: 15:30-17:30**

<b>S.No.</b>	<b>Abstract Id</b>	<b>Title</b>	<b>Presenting Author</b>	<b>Affiliation</b>	<b>Mode</b>
1	PS2-091	Improving Lidar performance by Laser Beam Combining	Urvashi Jinwal	National Atmospheric Research Laboratory, Gandaki	Poster
2	PS2-015	Development of an Integrating Sphere based Fabry-Perot Interferometer for Aeronomy Studies	Prasanna Mahavarkar	IIG , Mumbai	Poster
3	PS2-021	ML based Detection of Ionospheric Scintillations in multiple directions over a low latitude station using GNSS	Kuruva Lakshmanna	Jawaharlal Nehru Technological University Anantapur	Poster
4	PS2-128	Space Weather, DISHA Mission and Thermospheric Composition Measurement	Tarun Kumar Pant	Space Physics Laboratory, Vikram Sarabhai Space Centre, Trivandrum	Poster
5	PS2-093	An investigation of the mesopause region in the Indo-Gangetic Plains during Solar Quiet of 2008	Sarvesh Chandra	Indian Institute of Geomagnetism, Mumbai	Poster
6	PS2-038	Seasonal variation in nighttime NO radiative cooling as observed by TIMED/SABER	Alok Kumar Ranjan	Indian Institute of Technology Roorkee	Poster
7	PS2-051	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)	Archa P Chandran	Department of Physics, Mahatma Gandhi College, Trivandrum	Poster
8	PS2-078	Mean winds and tidal variability from troposphere to the thermosphere by combining ground based and space borne measurements: First results	A. Kalyan Teja	National Atmospheric Research Laboratory, Gadanki	Poster
9	PS2-097	First results on the mesospheric echoing layers, winds and turbulence from the 53 MHz radar from Haringhata	A K Patra	National Atmospheric Research Laboratory, Gadanki	Poster
10	PS2-022	Meteor distribution over Arctic- a comprehensive long-term analysis	Vaishali Portel	University of Hyderabad, Hyderabad	Poster
11	PS2-086	Is there any role of tides in driving the polar UMLT winds?	Reetambhara Dutta	National Atmospheric Research Laboratory, Gadanki	Poster
12	PS2-049	Comparison between rotational temperatures derived from a multi-filter photometer operated at Tirunelveli and SABER measurements	Sukanta Sau	Equatorial Geophysical Research Laboratory, Tirunelveli	Poster
13	PS2-126	Latitudinal Variation of Solar Diurnal, Semi-diurnal, and Terdiurnal Tides using a network of meteor radars and SD WACCM simulation	Vikash Rishi Dharan K	IISER, Thiruvananthapuram.	Poster
14	PS2-040	Modeling of atomic oxygen green line (557.7 nm) emission in upper atmosphere using machine learning	Dayakrishna Nailwal	Indian Institute of Technology, Roorkee	Poster
15	PS2-127	Long term influences on the OH(6-2) and O2(0-1) brightness and rotational temperatures: Inferences from NIRIS observations	Ravindra Pratap Singh	Physical Research Laboratory, Ahmedabad	Poster

16	PS2-056	Observations of enhancement in plasma intensity of OI 630.0 nm emission over western Indian station, Kolhapur	Dr. Dada P. Nade	Dr. Patangrao Kadam Mahavidyalaya College, Sangli,	Poster
17	PS2-006	Observation of Mesospheric Frontal Interaction and Associated Processes	Subarna Mondal	Physical Research Laboratory, Ahmedabad	Poster
18	PS2-035	Imprint of storm enhanced density in ground-based OI 630.0 nm dayglow measurements	Kshitiz Upadhyay	Physical Research Laboratory, Ahmedabad	Poster
19	PS2-008	A rare interaction between a westward propagating plasma blob and dark band of a Medium Scale Traveling Ionospheric Disturbances	Sumanta Sarkhel	Indian Institute of Technology, Roorkee	Poster
20	PS2-076-	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	Kiran	Physical Research Laboratory, Ahmedabad	Poster
21	PS2-059-	Rare occurrence of off-equatorial edge initiating and equatorward surging plasma depletions observed in OI 630 nm imaging	Navin Parihar	Indian Institute of Geomagnetism, Mumbai	Poster
22	PS2-079	Relative contributions of the E and F-region processes to the daytime Green Line emissions.	Komal	Physical Research Laboratory, Ahmedabad	Poster
23	PS2-002	Evidence of Interaction of Equatorial Plasma Bubbles with Medium Scale Travelling Ionospheric Disturbances during post mid-night sector over Indian region	Dr. O. B. Gurav	Bharati Vidyapeeth, Yashwantrao Mohite College of Arts, Science and Commerce, Pune	Poster
24	PS2-085	Troposphere-stratosphere-ionosphere interaction during tropical cyclones	Barsha Dutta	Dibrugarh University	Poster

**PS2: Posters****Date: 27-02-2024****Time: 15:30-16:30**

<b>S.No.</b>	<b>Abstract Id</b>	<b>Title</b>	<b>Presenting Author</b>	<b>Affiliation</b>	<b>Mode</b>
1	PS2-072	Impacts of Lower Atmospheric Gravity Waves on Ionospheric Disturbances over Srinagar, J and K, India	Aashiq Hussain Bhat	National Atmospheric Research Laboratory, Gadanki	Poster
2	PS2-117	Semidiurnal Lunar wave controlled equatorial ionospheric vertical plasma drifts during sudden stratospheric warming	P PavanChaitanya	National Atmospheric Research laboratory, Gadanki	Poster
3	PS2-107	Response of ionospheric F2 region at low mid latitude Indian station, Delhi due to sudden stratospheric warming (SSW) events.	Qadeer Ahmed	Academy of Scientific and Innovative Research (AcSIR), Ghaziabad	Poster
4	PS2-052	Investigation of Equatorial Ionosphere response to the Tropical Cyclones using multi instruments	Shimna Kannoth	Space Physics Laboratory, VSSC, Trivandrum	Poster
5	PS2-014	Extremely Severe Cyclonic Storm Fani induced Ionospheric perturbations	Omkar M. Patil	Dr. KSK Geomagnetic Research Laboratory, IIG, Prayagraj	Poster
6	PS2-053	Impact of strong and weak stratospheric polar vortices on the Ionosphere	Sunil Kumar	Physical Research Laboratory, Ahmedabad	Poster
7	PS2-088	An Investigation of the Response of Hunga Tonga Volcanic Eruptions on Schumann Resonances Measurements	Rahul Rawat	Indian Institute of Geomagnetism, Mumbai	Poster
8	PS2-073	Ionospheric Plasma Variabilities using GPS and Modelled TEC over Equatorial-, Low-, Mid- and High-Latitude Stations During Low and High Solar Activity	Mini Rajput	Banaras Hindu University	Poster
9	PS2-139	The investigation of ionospheric plasma irregularity in southern hemisphere.	Bibek Rai	Dibrugarh University	Poster
10	PS2-104	Importance of Curl free nature of Low Latitude Ionospheric Electric Field in Determining Ionospheric Electrodynamics using Indian Aditya-L1 and Upcoming DISHA Mission Data	Debrup Hui	Ghani Khan Choudhury Institute of Engineering and Technology, Malda	Poster
11	PS2-010	A study on Ionosonde derived true-height density profiles using POLynomial ANALYSIS and its comparison with COSMIC RO density profiles	K Siba Kiran Guru	Indian Institute of Geomagnetism, Mumbai	Poster
12	PS2-082	The impact of Interplanetary (IP) shocks on Equatorial Electrojet (EEJ) – Empirical Relation	Nilam Yashwant Bhosale	Indian Institute of Geomagnetism, Mumbai	Poster
13	PS2-137	Exploring the Impact of Solar Flares on Earth's Ionosphere Using a Multi-Messenger Approach	Bhuvnesh Brawar	Indian Institute of Technology, Indore	Poster

14	PS2-138	Unveiling Ionospheric Dynamics during Ascending Solar Cycle 24: A Comparative Analysis of IRI Models with Top-Side Parameterizations	Vishnu Singh Rathore	Department of Physics, J. S. University, Shikohabad,	Poster
15	PS2-101	Spatial distribution analysis of self-similar and multifractal features of ground geomagnetic field fluctuations	Shibu R	University of Kerala	poster
16	PS2-105	Auto-scaling of low-latitude ionospheric parameters from digisonde observations	G Janardana Reddy	National Atmospheric Research Laboratory	Poster
17	PS2-109-	A Machine Learning Based zonal drift model for Equatorial Plasma Bubbles (EPBs)	Ajith K K	National Atmospheric Research Laboratory, Gadanki, India.	poster
18	PS2-118	Development of a neural network based electron density model for Indian low latitude using digisonde observations	P Pavan Chaitanya	National Atmospheric Research Laboratory, Gadanki	poster

**PS2: Posters****Date: 28-02-2024****Time: 15:30-16:30**

<b>S.No.</b>	<b>Abstract Id</b>	<b>Title</b>	<b>Presenting Author</b>	<b>Affiliation</b>	<b>Mode</b>
1	PS2-122	Whether equatorial plasma bubble (EPB) can be predicted using C/NOFS observations	Soujan Ghosh	National Atmospheric Research Laboratory	Poster
2	PS2-106	Ionospheric response to solar eclipse during 2014 to 2023 at low-mid latitude Indian station, Delhi	Ankit Gupta	CSIR- National Physical Laboratory, New Delhi	Poster
3	PS2-133	Scintillation and TEC observations of NavIC signal in equatorial crest region Kolhapur	Gangadhar Achyut Chavan	Sir Parashurambhau College, Pune	poster
4	PS2-102	Study on the generation and sustenance of ionospheric F region irregularities: A multi-instrumental analysis over Thumba	Sruthi T V	Space Physics Laboratory, VSSC, Trivandrum	poster
5	PS2-124	First results from reconstruction of simulated ionospheric electron density distribution over the Indian region using SMART tomography technique	Ajay Potdar	Space Physics Laboratory, VSSC, Trivandrum	poster
6	PS2-125	Study on the Seasonal Variability of the Drift of the E-region Plasma Irregularities over Indian Dip Equatorial Region During Geomagnetically Quiet Times	Lalitha G Krishnan	Space Physics Laboratory VSSC, Trivandrum	poster
7	PS2-046	Measurements of D-region electron density in the low latitude station Kolhapur using MF Radar	P. T. Patil	Technical Officer - IV	Poster
8	PS2-045	Reconstructing the Large Scale Wave Structure (LSWS) using satellite traces	Ankita Manjrekar	Indian Institute of Geomagnetism, Navi Mumbai	Poster
9	PS2-081	Estimation of Earth's Magnetic Field Through Digisonde Measurements Over Ahmedabad	Sandip Bhattacharyya	Physical Research Laboratory, Ahmedabad	Poster
10	PS2-055	Magnetosphere-Thermosphere-Ionosphere Coupling during Geomagnetic Storm	Arti Mishra	Nehru Gram Bharati Deemed to be University, Prayagraj	Poster
11	PS2-119	Effect of Geomagnetic Storms Using ROTI Index Over Low and Mid Latitude Ionosphere	Mukulika Mondal	Banaras Hindu University	Poster
12	PS2-041	Investigation of Solar Flare Effects on GPS TEC and their positional dependence at Low, Mid and High Latitudes	Dr. Azad A. Mansoori	Department of Physics, Govt. P. G. College, Tikamgarh	Poster
13	PS2-116	Investigations on the geomagnetic responses and geomagnetically induced currents during the Supersubstorms of the Solar Cycle 24	Sritam Hazra	National Atmospheric Research Laboratory, Gadanki	Poster

14	PS2-098	Ionospheric Scintillation activity during 2017 Geomagnetic Storm condition over Hyderabad Station	Perumalla Naveen Kumar	Osmania University, Hyderabad	Poster
15	PS2-032	Behaviour of ionospheric F2 region during Geomagnetic storm associated with Solar flare	T. Madhavi Latha	Andhra University, Visakhapatnam,	Poster
16	PS2-031	Anomalous Day-to-Day Variability of Ionospheric Scintillation During 23-24th April, 2023 Geomagnetic storm as Inferred through GPS-TEC derived ROTI Observations	Ipsita Katual	Indian Institute Of Geomagnetism, Mumbai	Poster
17	PS2-047	Analysis of Ionospheric Total Electron Content Variation during the Intense Geomagnetic Storm on June 22, 2015, across the Globe	Bhupendra Malvi	National Institute of Technical Teachers' Training and Research, Bhopal	Poster

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1	PS2-057	Impact of Severe Geomagnetic & Ionospheric Storms on Indian SBAS - GAGAN During Recent Solar Cycle 25	Surendra Sunda	Airports Authority of India	Poster
2	PS2-048	Response of intense solar flares during the descending phase of solar cycle 24 using VLF measurement	Kshama Tiwari	Banaras Hindu University	Poster
3	PS2-121	Characteristics of X-Class Solar Flares in X-Ray and EUV bands during 23rd, 24th, and 25th Sunspot Cycles	Anshul Singh	National Physical Laboratory	Poster
4	PS2-070	Unveiling the Dynamics of TEC in Surat, India: Exploring Connections to Space Weather and Extreme Events	Charitharth Vyas	Sarvajanik University, Surat	Poster
5	PS2-070	Temporal variations of ionospheric TEC over Bengaluru	Chaithra P	Bangalore University, Bengaluru	Poster
6	PS2-146	Geomagnetic Storm Effect on Mid-Latitude Ionosphere in Different Longitudinal Sectors	Pyla Peddi Naidu	NS Raju Institute of Technology, Visakhapatnam	Poster
7	PS2-147	Study of particle energization in the magnetosphere due to solar wind dynamic pressure changes	Gauri Datar	Indian Institute of Geomagnetism, Mumbai	Poster
8	PS2-148	Storm on Ionosphere During Nov 2021	Choudhary Champabai Kishnaram	Kskv Kachchh University	Poster
9	PS2-149	An Efficient Anti-Spoofing Algorithm to Detect and Mitigate GNSS/GPS	Krishna Samalla	Osmania University	Poster
10	PS2-150	Ionospheric perturbations induced by Gorkha Nepal Earthquake	Arti Mishra	Nehru Gram Bharti Deemed to be University, Prayagraj	Poster
11	PS2-151	Prediction of Total Electron Content in the Ionosphere: A Machine Learning Approach	Amit Kumar Chakraborty		Poster
12	PS2-143	Effect of inhomogeneous magnetic and electric field on auroral currents by Kinetic Alfvén wave	A.K Dwivedi	Harish Chandra PG College Varanasi	Poster
13	PS2-136	Deciphering Solar Wind-Magnetosphere Interactions through Numerical Modeling	Sirsha Nandy	Indian Institute of Technology, Indore	poster
14	PS2-042-	Oscillations of the Magnetotail Plasma Sheet Parameters During a Solar Flare in the Maximum Activity Year	Vivekanandan R S	University College, Thiruvananthapuram	Poster
15	PS2-089	Seasonal pattern of Inter-hemispheric Field-Aligned Currents – Observations from ground geomagnetic measurements	Archana RK	National Geophysical Research Institute, Hyderabad,	Poster