Chairs: Dr. Amit Kumar Patra, NARL / Dr. Surendra Sunda, AAI

S.No.	Time	Abstract No.	Title	Presenting Author	Affiliation	Mode
1	13:30	PS2-100	CCD-based daytime airglow photometer (CDAP) – a portable photometer for obtaining daytime OI 630.0 nm airglow emissions from the ground	Duggirala Pallamraju	Physical Research Laboratory, Ahmedabad	Oral
2	13:40	PS2-113	High power lidars at NARL	K Raghunath	National Atmospheric Research Laboratory, Gandaki	Oral
3	13:50	PS2-080	Indian Network for Space Weather Impact Monitoring (InSWIM): An initiative to observe and model the low latitude ionosphere over the Indian longitudes	Raj Kumar Choudhary	Space Physics Laboratory, VSSC, Trivandrum	Oral
4	14:00	PS2-141	Characterizing Low-Latitude Ionosphere with GMRT	Abhirup Datta	IIT Indore	Oral
5	14:10	PS2-084	Equatorial E region plasma irregularity spectral characteristics and causative mechanisms: An analysis using rocket based in-situ measurements under varying geophysical conditions	Sruthi T V	Space Physics Laboratory, VSSC, Trivandrum	Oral
6	14:20	PS2-044	A new method for deriving true height electron density profile from lonograms	Ankita Manjrekar	Indian Institute of Geomagnetism, Mumbai	Oral

Chairs: Dr. Lakshmi Narayanan, Krea University/ N. Phani Chandrasekhar, NGRI

S.No.	Time	Abstract No.	Title	Presenting Author	Affiliation	Mode
1	14:30	PS2-063	Impact of sudden stratospheric warming on low-	Amitava Guharay	Physical Research Laboratory,	Oral
			latitude middle atmosphere		Ahmedabad	
2	14:40	PS2-067	Disturbing the Middle Atmospheric Balance: The	Ghouse Basha	National Atmospheric Research	Oral
			Enduring Impact of Hunga Tonga-Hunga Ha'apai		Laboratory, Gadanki	
			volcanic eruption			
3	14:50	PS2-003	Evidence of Two-Step Nonlinear Interactions in the	Gourav Mitra	Physical Research Laboratory	Oral
			Presence of Zonally Symmetric Waves during Major			
			Sudden Stratospheric Warmings			
4	15:00	PS2-078	Mean winds and tidal variability from troposphere	A. Kalyan Teja	National Atmospheric Research	Oral
			to the thermosphere by combining ground based		Laboratory, Gadanki	
			and space borne measurements: First results			
5	15:10	PS2-039	Anomalous CO2 cooling in MLT region during a	Akash Kumar	Indian Institute of Technology,	Oral
			major warming event		Roorkee	
6	15:20	PS2-028	A Puzzling Quasi-Periodic Variability in the Tropical	Koushik N	Space Physics Laboratory, VSSC,	Oral
			Middle Atmosphere		Trivandrum	

Chairs Dr. Amitava Guharay, PRL/ Ghouse Basha, NARL

S.No.	Time	Abstract No.	Title	Presenting Author	Affiliation	Mode
1	12:00	PS2-131	Investigation of the importance of geomagnetic activity as a source for gravity waves in the mesosphere	V. Lakshmi Narayanan	Krea University, Sricity	Oral
2	12:10	PS2-108	Extraction of Atmospheric Gravity waves from COSMIC GPSRO profiles and Identification of their Source Using GROGRAT model	Arun Jo Mathew	IISER Trivandrum	Oral
3	12:20	PS2-050	Long-term variations in the mesospheric winds over Maitri (~70° S), Antarctica	Rashmi Rawat	National Centre for Polar and Ocean Research, Goa	Oral
4	12:30	PS2-016	Simultaneous observations of terdiurnal and quarter- diurnal tides in the mesosphere and lower thermosphere from two medium frequency (MF) radars at Tirunelveli (8.7°N, 77.8°E) and Kolhapur (16.7°N, 74.2°E)	S Sathishkumar	Indian Institute of Geomagnetism, Mumbai	Oral
5	12:40	PS2-023	Seasonal and Interannual Variability of Quasi-two day wave over a Low Latitude Station	Anagha Prasad	University of Hyderabad	Oral
6	12:50	PS2-134	Quasi Two-day Waves In Earth's Middle Atmosphere: Sources, Propagation Characteristics and Wave-Wave Interactions	Karanam Kishore Kumar	Space Physics Laboratory, VSSC, Trivandrum	oral

Chairs: Prof. Duggirala Pallamraju, PRL/ Dr. MV Sunil Krishna, IIT, Roorkee

S.No.	Time	Abstract No.	Title	Presenting Author	Affiliation	Mode
1	14:00	PS2-111	Short Wave Infrared Imager (SIRI) observations of small-scale	Ravindra Pratap	Physical Research laboratory,	Oral
			gravity waves from Mount Abu (24.6 °N, 72.8 °E)	Singh	Ahmedabad	
2	14:10	PS2-005	A case study on multiple self-interactions of MSTID bands:	Dipjyoti Patgiri	Indian Institute of Technology,	Oral
			New insights		Roorkee	
3	14:20	PS2-018	Quarter-diurnal Tides in the Variation of Thermospheric	Sovan Saha	Physical Research Laboratory,	Oral
			Winds and the Nightglow Emissions over Low-latitudes		Ahmedabad	
4	14:30	PS2-012	Investigations of different types of MSTIDs and the dynamics	Rahul rathi	Indian Institute of Technology,	Oral
			behind their generation over the western Himalayan region		Roorkee	
5	14:40	PS2-036	Estimation of the downward heat flux in sub-auroral	Kshitiz Upadhyay	Physical Research Laboratory,	Oral
			ionosphere using O(1D) day-glow emissions		Ahmedabad	
6	14:50	PS2-075	Mesospheric Dynamics: Insights from the PRL Airglow	Kiran	Physical Research Laboratory,	Oral
			InfraRed Spectrograph (PAIRS) over Ahmedabad, India		Ahmedabad	
7	15:00	PS2-054	A New Approach to Obtain Daytime Three-Dimensional	Sunil Kumar	Physical Research Laboratory,	Oral
			Gravity Wave Characteristics		Ahmedabad	
8	15:10	PS2-065	Ionospheric precursors observed before Assam and Nepal	Uma Pandey	National Centre for Geodesy,	Oral
			Earthquakes		IIT, Kanpur	
9	15:20	PS2-011	An analogous study on ionospheric parameter measured	Harleen Kaur	Barkatullah University, Bhopal	Oral
			with ionosonde and predicted using IRIPLAS-2011 Model			
			during earthquake at Mid and Low Latitude			

S.No.	Time	Abstract No.	Title	Presenting Author	Affiliation	Mode
1	12:00	PS2-071	Semi-diurnal tidal influence on the lonosphere- Thermosphere-Mesosphere (ITM) system	S Sridharan	National Atmospheric Research Laboratory, Gadanki	Oral
2	12:10	PS2-058	Novel Technique for Investigating Ionospheric Response due to Tonga Volcanic Eruption on 15 January 2022	Surendra Sunda	Airports Authority of India	Oral
3	12:20	PS2-004	Lightning and Gravity Wave Signatures Produced by the Hunga-Tonga Volcanic Eruption on Global Geomagnetic Data	N. Phani Chandrasekhar	National Geophysical Research Institute	Oral
4	12:30	PS2-020	Long-term analysis of planetary waves and their role in the atmosphere-ionosphere coupling	Ashish P. Jadhav	Indian Institute of Geomagnetism, Mumbai	Oral
5	12:40	PS2-142	Tropical cyclone induced gravity wave propagation over tropical thermosphere	Soumen Datta	IIT Indore	Oral
6	12:50	PS2-025	Remarkable changes in thermospheric winds and F-region plasma drifts during the QBO disruption of 2019/20	Meenakshi S	National Atmospheric Research Laboratory, Gadanki	Oral

Chairs: Dr. Sumanta Sarkhel, IITR/ Dr. Ravindra Pratap Singh, PRL

Date: 28-02-2024

Chairs: Dr. S. Sridharan, NARL/ Prof. Abhirup Datta, IITI

S.No.	Time	Abstract No.	Title	Presenting Author	Affiliation	Mode
1	14:00	PS2-140	Ionospheric disturbances observed over Japanese and	Arti Bhardwaj	National Physical	Oral
			Indian region Ionosphere after 15 January 2022 Tonga		Laboratory, New Delhi	
			volcano eruptions			
PS2 :	Electrody	namics of Iono	osphere			
2	14:10	PS2-130	Implications of Equatorial E-Region Electrodynamics in	Tarun Kumar Pant	Space Physics Laboratory,	Oral
			Ionospheric Density Restructuring		VSSC, Trivandrum	
3	14:20	PS2-062	Quiet time variability of TEC over Bharati, Antarctic	Gopi Krishna	Indian Institute of	Oral
			station	Seemala	Geomagnetism, Mumbai	
4	14:30	PS2-007	Parametric dependence of topside ionospheric scale	Venkatesh	Physical Research	Oral
			height in NeQuick2 model and its consequences on the	Kavutarapu	Laboratory, Ahmedabad	
			estimation of TEC over the equatorial and low latitudes			
5	14:40	PS2-115	Development and validation of ionospheric vertical	P PavanChaitanya	National Atmospheric	Oral
			plasma drift model for the Indian and Indonesian		Research laboratory,	
			longitudes		Gadanki	
6	14:50	PS2-077	Equatorial Counter-electrojets: Long-term Trends and	P.V. Muhammed	GHSS, Vazhakkad,	Oral
			Lunar Influences	Kutty	Malappuram, Kerala	
7	15:00	PS2-144	Ionospheric Reconstruction over the Indian Sub-	Bhattacharjee	Institute of Radio Physics	Oral
			continent using GNSS Signal Tomography		and Electronics, University	
					of Calcutta	
8	15:10	PS2-123	Beyond Individual Models: A Unified Ensemble	Mohit Jagne	Indian Institute of	Oral
			Approach to Ionospheric TEC Prediction		Technology, Indore	
9	15:20	PS2-110	Analysis of Amplitude and Phase Scintillation of GNSS	Mohammed	Chaitanya Bharathi Institute	Oral
			Signals	Kursheed	of Technology, Hyderabad.	

Chairs: Prof. Abhay Kumar Singh, BHU/ Dr. Ajeet Kumar Maurya, BBAU

S.No.	Time	Abstract No.	Title	Presenting Author	Affiliation	Mode
1	12:00	PS2-096	Prediction of equatorial plasma bubble - how far is it	A K Patra	National Atmospheric	Oral
			possible?		Research Laboratory,	
					Gadanki	
2	12:10	PS2-092	Equatorial Plasma Bubbles (EPBs) as investigated using	S Sripathi	Equatorial Geophysical	Oral
			long term ionosonde observations over Tirunelveli and		Research Laboratory,	
			its comparison with satellite observations		Tirunelveli	
3	12:20	PS2-074	Simultaneous study of plasma blobs, MSTIDs and	Mohammad Rafeeq	University of Kashmir	Oral
			plasma irregularities over low-mid latitude	Rather		
			geomagnetic transition region			
4	12:30	PS2-019	Probing the evolution of the Equatorial Plasma	Gayathri B	Indian Institute of	Oral
			Bubbles (EPBs) using ionosonde observations and its		Geomagnetism, Mumbai	
			implication for their prediction			
5	12:40	PS2-061	Identifying the Onset Location of Equatorial Plasma	Ajith K K	National Atmospheric	Oral
			Bubbles (EPBs) and its Relationship with the		Research Laboratory,	
			Background Ionospheric Conditions.		Gadanki	
6	12:50	PS2-001	On the Laggy Nature of D-region lonosphere during	Sayak Chakraborty	Indian Centre for Space	Oral
			Solar Flares		Physics, Kolkata	

Chairs: Dr. Rajkumar Choudhary, SPL/S. Sripathi, IIGM

S.No.	Time	Abstract No.	Title	Presenting Author	Affiliation	Mode
1	14:00	PS2-064	Space Weather Study of Ionosphere during Ascending Phase of	Abhay Kumar Singh	Banaras Hindu University,	Oral
			25th Solar Cycle over Low Latitudes		Varanasi	
2	14:10	PS2-043	Extremely large and rapid variation of equatorial geomagnetic	S. Tulasiram	Indian Institute of	Oral
			field due to impingement of an interplanetary magnetic cloud		Geomagnetism, Mumbai	
3	14:20	PS2-037	An overview of radiative cooling by Nitric Oxide (NO) in MLT	MV Sunil Krishna	Indian Institute of	Oral
			region and its response to multiple geomagnetic events		Technology, Roorkee	
4	14:30	PS2-120	A Critical Evaluation of Thermospheric Mass Density Models	Saikat Majumder	Digantara Research and	Oral
			During Extreme Space Weather Events		Technologies Pvt. Ltd.	
5	14:40	PS2-066	Geomagnetic signatures at high latitudes during the solar flare	S.S. Rao	Udaipur Solar	Oral
					Observatory, Udaipur	
6	14:50	PS2-112	On the lower ionospheric effect of recent geomagnetic storms of	Ajeet Kumar	Babasaheb Bhimrao	Oral
			March and April 2023 inferred using very low frequency signals	Maurya	Ambedkar University,	
			recorded at low latitude Indian station		Lucknow	
7	15:00	PS2-009	Study of solar storm impact on VLF signals by using deep learning	Shivali Verma	Oriental College of	Oral
			neural network		Technology, Bhopal	
8	15:10	PS2-029	Equatorial electric field perturbations during pre-and post-	Ankit Kumar	Physical Research	Oral
			midnight hours: insights on the effects of IMF By and substorm		Laboratory, Ahmedabad	
9	15:20	PS2-129	Statistical analysis of HILDCAA events of two different solar cycles	Ayushi Nema	Sardar Vallabhbhai	Oral
			and their comparison		National Institute of	
					Technology, Surat	

Chairs: Dr. Tarun Kumar Pant, SPL/ Venkatesh Kavutarapu, PRL

S.No.	Time	Abstract No.	Title	Presenting Author	Affiliation	Mode
1	12:00	PS2-145	Potential applications of the new ST Radar facility	Ashiq Paul	University of Calcutta	Oral
			at Kolkata			
2	12:10	PS2-114	Investigations on the sources, coupling, and	Sritam Hajra	National Atmospheric	Oral
			energy distribution during the Supersubstorms of		Research Laboratory,	
			the Solar Cycle 24		Gadanki	
3	12:20	PS2-099	Comparative Analysis of S4 index for L5 and S Band	Perumalla Naveen	Osmania University,	Oral
			Signals for Indian NavIC Constellation	Kumar	Hyderabad	
PS2: M	lagnetos	phere				
4	12:30	PS2-017	Impact of substorm associated dipolarization	Trunali Anil Shah	Indian Institute of	Oral
			events on ion flux and associated wave activity		Geomagnetism, Mumbai	
			observed from Van Allen Probes			
5	12:40	PS2-024	Lower Hybrid Drift Instablity in Earth's	Neetasha	Indian Institute of	Oral
			Magnetosphere	Govindram Arya	Geomagnetism, Mumbai	
6	12:50	PS2-034	Electron Plasma Wave Activity Around the Earth's	Shubhangi Lagad	Indian Institute of	Oral
			Magnetopause Region		Geomagnetism, Mumbai	