

PS-3 (Solar and Planetary Sciences) - Oral Presentation Schedule

Abstract ID	Name	Affiliation	Title	Email Id	Date & Session for presentation
26.02.2024 OS-1 (1200hrs-1300hrs)					
PS3-O-001	Vijayan S	Physical Research Laboratory, Ahmedabad	Chandrayaan-3 mission: New insights from Vikram and Pragyan at the lunar high latitude	vijayansiva@gmail.com	26.02.2024 OS-1 (1200hrs-1300hrs)
PS3-O-002	M Shanmugam	Physical Research Laboratory, Ahmedabad	The first in-situ elemental composition measurements near the south pole of the Moon by APXS on Chandrayaan-3 Rover	shansm@prl.res.in	26.02.2024 OS-1 (1200hrs-1300hrs)
PS3-O-003	Aditya Dagar	Space Applications Centre, ISRO	Study of young lunar domes using high resolution images of Orbiter High resolution Camera (OHRC) and data sets from contemporary missions	dagar_aditya@yahoo.com	26.02.2024 OS-1 (1200hrs-1300hrs)
PS3-O-004	Ashish Devaraj	Department of Physics and Electronics, CHRIST (Deemed to be University), Bangalore, India	Mapping Global Lunar Oxygen distribution Using Chandrayaan-2	ashish.devaraj@res.christuniversity.in	26.02.2024 OS-1 (1200hrs-1300hrs)
PS3-O-005	MEGHA TOMER	PHYSICAL RESEARCH LABORATORY, AHMEDABAD	Physical and Mechanical properties of lunar soil at the landing site of Chandrayaan-3 mission	meghatomerck@gmail.com	26.02.2024 OS-1 (1200hrs-1300hrs)
PS3-O-006	Satyendra Kumar	Department of Space, Planetary & Astronomical Sciences & Engineering (SPASE), Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh ,208016, India	Morphological Mapping of Tharp Crater on the Moon: Understanding the Cratering Dynamics	sgeo365@gmail.com	26.02.2024 OS-1 (1200hrs-1300hrs)
26.02.2024 OS-2 (1400hrs-1530hrs)					
PS3-O-007	Megala S	Deputy Director (Lunar Science and Exploration)	Science priorities for future lunar missions (including Sample return mission)	smegala@gmail.com	26.02.2024 OS-2(1400hrs-1500hrs)
PS3-O-008	TATHAGATA CHAKRABORTY	Space Applications Centre, Indian Space Research Organization, Ahmedabad-380015	Subsurface Dielectric Constant Retrieval using Ground Penetrating Radar data: Implications to ISRO-JAXA LuPEX mission	tathagata.earth@gmail.com	26.02.2024 OS-2(1400hrs-1500hrs)
PS3-O-009	RAJARSHI SAHA	National Remote Sensing Centre, Indian Space Research Organisation	Chandrayaan-3 landing site crater chronological categorization using morphological analysis	rajarshigeology@gmail.com	26.02.2024 OS-2(1400hrs-1500hrs)
PS3-O-010	Vijayan S	Physical Research Laboratory, Ahmedabad	Chandrayaan-3 mission: New insights from Vikram and Pragyan at the lunar high latitude	vijayansiva@gmail.com	26.02.2024 OS-2(1400hrs-1500hrs)
PS3-O-011	Deepak Dhingra	Department of Earth Sciences, IIT Kanpur	Age of Formation of Lunar Swirls: New Approaches Using Multi-Sensor Characterization	deepdpes@gmail.com	26.02.2024 OS-2(1400hrs-1500hrs)

PS3-O-012	Megha Bhatt	Physical Research Laboratory, Ahmedabad, 380009, India	Lunar Swirls: Spectral and physical characterisation and its linkage to formation mechanism	megha@prl.res.in	26.02.2024 OS-2(1400hrs-1500hrs)
27.02.2024 OS-3 (1200hrs-1300hrs)					
PS3-O-013	Dr. K. DURGA PRASAD	Physical Research Laboratory, Ahmedabad	Thermophysical Characterisation of Latitudinally Distinct Sites on the Moon	durgaprasad@prl.res.in	27.02.2024 OS-3 (1200hrs-1300hrs)
PS3-O-014	Thriveni Santhosh	National Institute of Science Education and Research, HBNI, Jatni, Odisha	Understanding Lunar Water and Volatiles using Far Ultraviolet Spectroscopy	thriveni.santhosh@niser.ac.in	27.02.2024 OS-3 (1200hrs-1300hrs)
PS3-O-015	Nachiketa Rai	Centre for Space Science and Technology, Indian Institute of Technology Roorkee, India – 247 667	Physical properties of lunar magmas under high pressure and high temperature conditions.	n.raai@es.iitr.ac.in	27.02.2024 OS-3 (1200hrs-1300hrs)
PS3-O-016	Mishal K.T	IIT Kanpur	Deep Pre-Imbrian Impact Craters in the Vicinity of Schrödinger Basin on the Moon: Resolving the Lack of Significant Ejecta Filling	mishalkt@iitk.ac.in	27.02.2024 OS-3 (1200hrs-1300hrs)
PS3-O-017	Neha Panwar	Physical Research Laboratory	Implications of Ancient Basins on the Geological Evolution of the Moon using Remote Sensing Datasets	neha@prl.res.in	27.02.2024 OS-3 (1200hrs-1300hrs)
PS3-O-018	Priyom Roy	National Remote Sensing Centre, Indian Space Research Organisation, Hyderabad	Surficial absolute model ages in and around Svedrup-Henson crater near Lunar south pole: Implications for future landing site	roy.priyom@gmail.com	27.02.2024 OS-3 (1200hrs-1300hrs)
27.02.2024 OS-4 (1400hrs-1530hrs)					
PS3-O-019	Swati Singh	National Remote Sensing Centre, Indian Space Research Organisation, Hyderabad	“Eyes” Of Mars and Earth (Lowell Crater and Richat Structure): Similar Morphology Yet Contrasting Evolution	swati.isro@gmail.com	27.02.2024 OS-4 (1400hrs-1530hrs)
PS3-O-020	Garima Sodha	Department of Earth Sciences, Indian Institute of Technology Kanpur	Evaluating the Potential Primary Crustal Exposures on Mars: Understanding Crustal Evolution	garimasd@iitk.ac.in	27.02.2024 OS-4 (1400hrs-1530hrs)
PS3-O-021	Varsha M Nair	PRL Ahmedabad	Geochemical investigation of enriched and intermediate poikilitic shergottites: Unraveling Mars' magmatic evolution	varsha@prl.res.in	27.02.2024 OS-4 (1400hrs-1530hrs)
PS3-O-022	Bivas Das	Banaras Hindu University	Recent Marsquakes: Exploring Seismic Patterns with InSight Lander Data	bivas015@gmail.com	27.02.2024 OS-4 (1400hrs-1530hrs)
PS3-O-023	Aditya Das	Physical Research Laboratory, Ahmedabad-380009	Unravelling Martian Paleoclimate through Clay Analysis: Perspectives from Meteorite and Terrestrial Samples	adityadas@prl.res.in	27.02.2024 OS-4 (1400hrs-1530hrs)

PS3-O-024	Amar Kakad	Indian Institute of Geomagnetism, New Panvel, Navi Mumbai 410218, India	Evidence of High-Frequency Waves in the Martian Magnetosphere	amar.kakad@gmail.com	27.02.2024 OS-4 (1400hrs-1530hrs)
PS3-O-025	Dr Leelavathi Vulapati	National Atmospheric Research Laboratory	Mass Dependent Response of Gravity Waves in the Martian Thermosphere	vlvsvu@gmail.com	27.02.2024 OS-4 (1400hrs-1530hrs)
PS3-O-026	Arnob Sarkar	National Atmospheric Research Laboratory, Gadanki, Tirupati, India	Magnetic Topology Dependence of Electron Impact Ionization Frequency in the Martian Nightside Ionosphere	arnobsarkar2712@gmail.com	27.02.2024 OS-4 (1400hrs-1530hrs)
PS3-O-027	Supartim Chatterjee	Department of Physics, Tripura University, Suryamani Nagar, Agartala, Madhupur, Tripura 799022	Understanding and Validating Martian Global Dust Storm of the year 2007 using LMD MGCM	supratimchatterjee99@gmail.com	27.02.2024 OS-4 (1400hrs-1530hrs)
28.02.2024 OS-5 (1200hrs-1300hrs)					
PS3-O-028	Dr. Shashi Kumar	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun-248001	DFSAR data-based Integral Equation Modeling for Dielectric Characterization of Lunar Taurus-Littrow Valley	sksinghiirs@gmail.com	28.02.2024 OS-5 (1200hrs-1300hrs)
PS3-O-029	R. Rubia	Space Physics Laboratory, VSSC, Indian Institute of Geomagnetism	Nonlinear electrostatic waves over the lunar magnetic anomaly region	rubi.r92@gmail.com	28.02.2024 OS-5 (1200hrs-1300hrs)
PS3-O-030	Dr. Renju R	SPL, VSSC, ISRO	Simulation analysis of microwave emission from lunar subsurface for passive mode operation of DFSAR/Chandrayaan-2	renju_r@vssc.gov.in	28.02.2024 OS-5 (1200hrs-1300hrs)
PS3-O-031	Sriram Saran Bhiravarasu	Space Applications Centre, ISRO, Ahmedabad	Constraining physical properties of lunar impact melts using dual-wavelength radar and topography data	sriram.saran@gmail.com	28.02.2024 OS-5 (1200hrs-1300hrs)
PS3-O-032	Raj Kumar Choudhary	SPL, VSSC, ISRO	Characteristic features of the Lunar ionosphere under varying solar-geophysical conditions as revealed by RAMBHA-DFRS onboard Chandrayaan-2	rajkumar.choudhary@gmail.com	28.02.2024 OS-5 (1200hrs-1300hrs)
PS3-O-033	Vipin K. Yadav	Space Physics Laboratory (SPL), Vikram Sarabhai Space Centre (VSSC), ISRO, Thiruvananthapuram 695022, Kerala	The Effect of Energetic Electrons in Lunar Ionosphere on the Streaming Plasma Instability around Moon	vkyadavcsp@gmail.com	28.02.2024 OS-5 (1200hrs-1300hrs)
PS3-O-034					28.02.2024 OS-5 (1200hrs-1300hrs)
28.02.2024 OS-6 (1400hrs-1530hrs)					
PS3-O-035	Brajesh Kumar	Udaipur Solar Observatory, Physical Research Laboratory, Dewali, Badi Road, Udaipur 313004 Rajasthan, India	Solar Atmospheric Gravity Waves in the Lower Solar Atmosphere in Different Magnetic Configurations	brajesh@prl.res.in	28.02.2024 OS-6 (1400hrs-1530hrs)
PS3-O-036	Kunwar Alkendra Pratap Singh	Department of Physics, Institute of Science, BHU, Varanasi-221005, India	ON CHROMOSPHERIC ANEMONE JETS AND ITS EVOLUTION IN SOLAR ATMOSPHERE	alkendra@gmail.com	28.02.2024 OS-6 (1400hrs-1530hrs)

PS3-O-037	Yogesh Kumar Maurya	Udaipur Solar Observatory/Physical Research Laboratory, Ahmedabad	Unraveling generation and annihilation of 3D magnetic nulls in the solar atmosphere: Insights from MHD simulations	yogeshjn1995@gmail.com, yogeshk@prl.res.in	28.02.2024 OS-6 (1400hrs-1530hrs)
PS3-O-038	Ananya Rawat	Udaipur Solar Observatory, Physical Research Laboratory, Udaipur 313001, India	Propagation and damping of slow magnetoacoustic waves from the photosphere to corona along fan loops rooted in sunspot umbra	ananyarawat1202@gmail.com	28.02.2024 OS-6 (1400hrs-1530hrs)
PS3-O-039	KARAN SAHU	National Institute of Technology, Rourkela -769008, India	Investigation of coronal origin periodic solar wind number density structures using Parker's Solar Probe observations.	ksahu522ph1003@gmail.com	28.02.2024 OS-6 (1400hrs-1530hrs)
PS3-O-040	Harsha Avinash Tanti	Dept. of Astronomy, Astrophysics and Space Engg, IIT Indore, Madhya Pradesh, India, 453552	Solar Magnetic Field Variations and Solar Wind Turbulence Across Cycles 21-25	phd1901121009@iiti.ac.in	28.02.2024 OS-6 (1400hrs-1530hrs)
PS3-O-041	Balamurugan	ISRO Telemetry Tracking and Command Network	Sunspots prediction using multivariate machine learning techniques	balamurugan.c@istrac.gov.in	28.02.2024 OS-6 (1400hrs-1530hrs)
PS3-O-042	DIBYA KIRTI MISHRA	Aryabhata Research Institute of Observational Sciences, Nainital, Uttarakhand, India	Ca K Polar Network as a Proxy for Estimating Polar Magnetic Fields	dibyakirtimishra@aries.res.in	28.02.2024 OS-6 (1400hrs-1530hrs)
PS3-O-043	Panini Maurya	Department of Physics, University of Mumbai, Vidyanagari, Santacruz (E), Mumbai 400098, India	Investigation of kinetic scale fluctuations	paninimaurya23@gmail.com	28.02.2024 OS-6 (1400hrs-1530hrs)

29.02.2024 OS-7 (1200hrs-1300hrs)

PS3-O-044	Janmejy Sarkar	Inter-University Centre for Astronomy and Astrophysics, Pune, India	Pre-launch Photometric Calibration and Spectral Validation of the SUIT payload on-board Aditya L1	janmejy.sarkar@iucaa.in	29.02.2024 OS-7 (1200hrs-1300hrs)
PS3-O-045	Susanta Kuma Bisoi	Dept. of Physics and Astronomy, National Institute of Technology, Rourkela-769008, India	Prediction of solar cycle 25 using F10.7 cm radio flux and machine learning techniques	bisoi.susanta@gmail.com	29.02.2024 OS-7 (1200hrs-1300hrs)
PS3-O-046	Bhuwan Joshi	Physical Research Laboratory	Coronal Mass Ejections associated with decameter-hectometer (DH) Type II Radio Bursts	bhuwan@prl.res.in	29.02.2024 OS-7 (1200hrs-1300hrs)
PS3-O-047	Shiv Kumar Goyal	Physical Research Laboratory, Ahmedabad	Configuration, on-board performance and initial observations from ASPEX-STEPS on-board Aditya-L1	goyal@prl.res.in	29.02.2024 OS-7 (1200hrs-1300hrs)
PS3-O-048	Mithun N. P. S.	Physical Research Laboratory, Ahmedabad	Improved energy estimates in solar flares using joint observations with Chandrayaan-2 XSM and Solar Orbiter STIX	mithun@prl.res.in	29.02.2024 OS-7 (1200hrs-1300hrs)
PS3-O-049	Adithya HN	Manipal Centre for Natural Sciences, Manipal Academy of Higher Education, Manipal-576104, India	Role of temperature threshold in triggering solar flares	adithya.mcnsmpl2023@learner.manipal.edu	29.02.2024 OS-7 (1200hrs-1300hrs)

29.02.2024 OS-8 (1400hrs-1530hrs)

PS3-O-050	Prateek Mayank	Indian Institute of Technology Indore, India	Investigating the Geo-Effectiveness of CME-CME Interactions with SWASTi framework	prateekmayank9@gmail.com	29.02.2024 OS-8 (1400hrs-1530hrs)
PS3-O-051	Richa Naja Jain	Space Physics Laboratory, VSSC, Trivandrum	Solar Wind journey from Corona to Earth : A study using India's Mars Orbiter Mission and InSWIM observations	richanajajain@gmail.com	29.02.2024 OS-8 (1400hrs-1530hrs)
PS3-O-052	Lot Ram	Department of Physics, Indian Institute of Technology Roorkee, Roorkee-247667, Uttarakhand, India	Martian M2 peak behavior in the dayside near-terminator ionosphere during interplanetary coronal mass ejections.	l_ram@ph.iitr.ac.in	29.02.2024 OS-8 (1400hrs-1530hrs)
PS3-O-053	Bijoy Dalal	Physical Research Laboratory, Ahmedabad, India	Suprathermal particles associated with stream interaction regions: STEREO-A observations	bijoydalal.at@gmail.com	29.02.2024 OS-8 (1400hrs-1530hrs)
PS3-O-054	Omkar Dhamane	Department of Physics, University of Mumbai, Mumbai	Observation of Alfvén Ion Cyclotron Waves in ICME Magnetic Clouds at 1 au	omkar@physics.mu.c.in	29.02.2024 OS-8 (1400hrs-1530hrs)
PS3-O-055	Smitha V. Thampi	Space Physics Laboratory, Vikram Sarabhai Space Centre, Trivandrum	Analysis of the prediction of Solar wind velocity at Earth and Mars using a WSA-HUXt-CONE based model	smitha.v.thampi@gmail.com	29.02.2024 OS-8 (1400hrs-1530hrs)
PS3-O-056	SRITAM HAJRA	National Atmospheric Research Laboratory, Gadanki	On the kinetic scale Solar Wind-Magnetosphere coupling at the magnetic reconnection regions in the earth's magnetosphere using MMS, Cluster, and THEMIS observations	sritam008@gmail.com	29.02.2024 OS-8 (1400hrs-1530hrs)
PS3-O-057	Soumyaranjan Khuntia	Indian Institute of Astrophysics, II Block, Koramangala, Bengaluru 560034, India	Modeling the Thermodynamic Enigma of Coronal Mass Ejections During Their Propagation towards Earth	soumyaranjan.khuntia@iiap.res.in	29.02.2024 OS-8 (1400hrs-1530hrs)
PS3-O-058	SREEBALA P S	Department of Physics, University college, University of Kerala, Thiruvananthapuram - 695034, Kerala, India	CME acceleration and the geomagnetic impact leading to space weather predictions – Analysis of Large angle CMEs in Solar Cycle 23	pssreebala@gmail.com	29.02.2024 OS-8 (1400hrs-1530hrs)
01.03.2024 OS-9 (1200hrs-1300hrs)					
PS3-O-059	Dr. Ambili K M	Space Physics Laboratory, VSSC, ISRO	Exploring the Venus ionosphere using radio techniques and physics based ionospheric models	ambilisadasivan@gmail.com	01.03.2024 OS-9 (1200hrs-1300hrs)
PS3-O-060	ANCY JERALD	Department of Physics, Mahatma Gandhi College, Thiruvananthapuram, Kerala, India	CYCLOSTROPHIC WIND RETRIEVAL USING AKATSUKI RADIO OCCULTATION DATA IN THE MIDDLE ATMOSPHERE OF PLANET VENUS	ancyjerald06@gmail.com	01.03.2024 OS-9 (1200hrs-1300hrs)

PS3-O-061	Keshav Aggarwal	Department of Astronomy, Astrophysics and Space Engineering (DAASE), Indian Institute of Technology Indore (IIT Indore)	Retrieving sulphuric acid profiles of Venus Atmosphere from Radio Occultation data of Akatsuki spacecraft	mscphd2301121015@iiti.ac.in	01.03.2024 OS-9 (1200hrs-1300hrs)
PS3-O-062	Sankhabrata Chandra	NASA Jet Propulsion Laboratory, California Institute of Technology, USA	Radiation sputtering of organics on Europa's icy surface	sankhabrata.chandra@jpl.nasa.gov	01.03.2024 OS-9 (1200hrs-1300hrs)
PS3-O-063	AYUSHI SRIVASTAVA	Indian Institute of Geomagnetism	Dynamics of Ultra-Relativistic Charged Particles in the Jupiter's Radiation Belt	ayushisrivastava@gmail.com	01.03.2024 OS-9 (1200hrs-1300hrs)
PS3-O-064	Dr. Ragav Ramachandran	Atomic, Molecular, and Optical Physics Division, Physical Research Laboratory, Ahmedabad, India	Discovery of Ozone on Callisto and its implication to the Jovian system	ragav.kasak@gmail.com	01.03.2024 OS-9 (1200hrs-1300hrs)