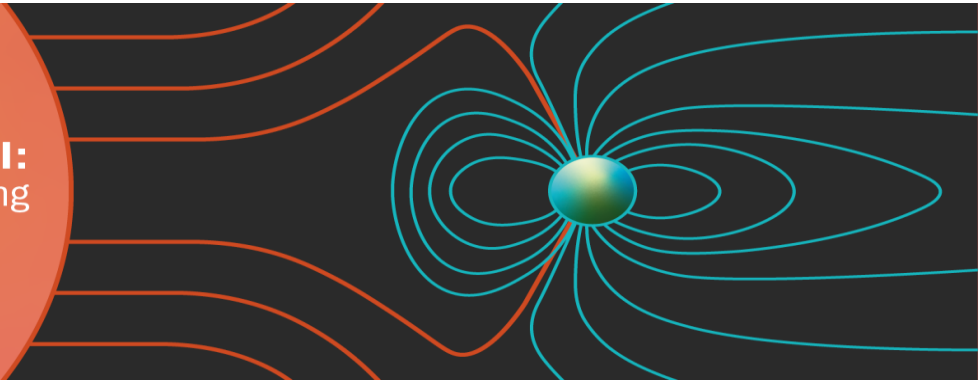


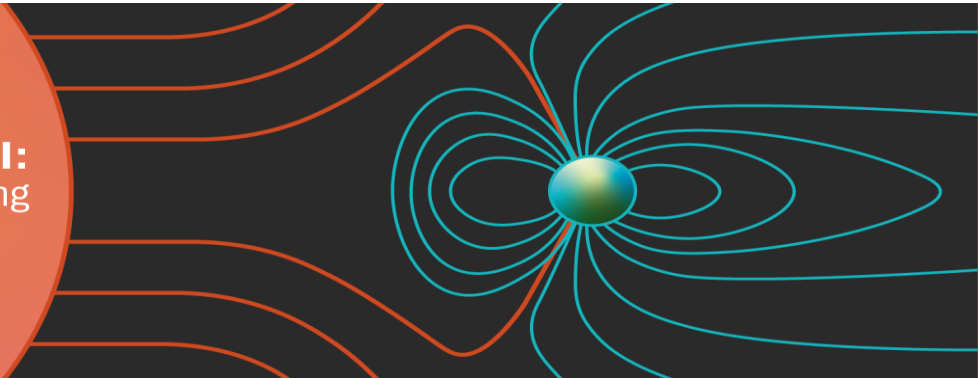
UK Space Weather and Space Environment Meeting III: Global Challenges in Understanding the Space Environment & Space Weather at Solar Maximum



Programme Monday 8 September 2025

10:00 AM - 11:00 AM	Registration and Refreshments (Room: Hadfield Hall)
11:00 AM - 1:00 PM	<p>Conference Opening and LOC Session (Room: Main Hall)</p> <p>11:00 AM Mario M. Bisi: Welcome and Housekeeping</p> <p>11:07 AM Oliver Allanson: Opening and Programme Overview</p> <p>11:15 AM Mike Willis: UKSA ESA Space Safety Update</p> <p>12:05 PM Julia Robbie: DESNZ Downstream Gas & Energy Resilience</p> <p>12:25 PM Wg Cdr Neal Henley: UK Joint Force Space Component – an update since last year’s conference</p> <p>12:45 PM Chris Johnson: DSIT CSA</p>
1:00 PM - 2:00 PM	Lunch (Room: Hadfield Hall)
2:00 PM - 4:00 PM	<p>Plenary Session 1: Space Weather Operations (Room: Main Hall)</p> <p>2:00 PM Alexi Glover and Andrew Monham: Towards European Operational Space Weather Capabilities</p> <p>2:10 PM Ian Cohen: Gauging National Preparedness for Space Weather Events – Findings from the May 2024 Tabletop Exercise</p> <p>2:20 PM Salma Khan (Invited Speaker): Experience of SANSA’s 24/7 Operational Space Weather Centre</p> <p>2:30 PM Patrick Perron: Advancing Arctic Space Weather Monitoring and Forecasting through Targeted Research</p> <p>2:40 PM Kasper van Dam: What space weather can learn from meteorology: a Dutch case study</p> <p>2:50 PM Major Ross Malugani: Space Weather Enterprise: Holistic Assessment of Needs, Gaps and Future Priorities</p> <p>3:00 PM Carina Alden (Invited Speaker): Space Weather Analysis During Solar Maximum with the Moon to Mars Space Weather Analysis Office</p> <p>3:10 PM Panel Session</p>

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4:00 PM - 4:30 PM	<p>Lightning Talks 1 (Room: Main Hall) Each talk lasts 2 minutes</p> <p>1 Martin Archer: Characterising magnetopause surface waves within magnetosphere–ionosphere–ground coupling</p> <p>2 Stephen Bannister: Quantitative Characterisation of Magnetic Topology in Solar Active Regions for Operational Space Weather Forecasting</p> <p>3 Susanna Bekker: Response of the total electron content in the ionosphere to the impulsive and late phases of X-class solar flares</p> <p>4 Damini Bhagwath: Model Validation using Historical SEP Event Analysis of the 3D Physics-Based Forecasting Tool SPARX</p> <p>5 Christopher Chen: Examining time-dependent heliospheric solar wind properties driven by evolving WSA boundaries</p> <p>6 Ingrid Cnossen: Projected long-term decline in upper atmosphere density and its impacts on the space debris environment</p> <p>7 Jackie Davies: UK-ODESSI: A Low-Cost, Low-Earth Orbit, In-Orbit Pathfinder for UK Space Weather</p> <p>8 Clive Dyer: The Importance of Single Event Effects For Atmospheric Radiation Scales, Alerts and Actions</p> <p>9 Ian Mann: Understanding, Modelling, and Quantifying the Space Weather Effects of Geomagnetically Induced Currents (GICs) on the Electric Power Grid</p> <p>10 Mike Marsh: Atmospheric Radiation: the Met Office Pathway to Operations</p> <p>11 Juliana Rinaldi-Semione: Conceptualising ‘environment’ and ‘sustainability’ for an off-Earth future: leveraging existing expertise and frameworks to make a start</p> <p>12 Christopher Chen: Scale-by-scale accuracy of solar wind analogue ensemble forecasts</p>
4:30 PM - 6:30 PM	<p>Poster Presentations and Afternoon Break (Room: Hadfield Hall)</p>
6:30 PM - 8:00 PM	<p>Drinks Reception and Buffet (Room: Hadfield Hall)</p>