



Agenda
Rad-Sat Meeting
30 September - 2 October 2020
Via Zoom: <https://ukri.zoom.us/j/98919372696>

Wednesday 30th September

- | | | |
|-------|---|---|
| 10.00 | Welcome and Introduction
Project Update/Summary
Radiation environment for OneWeb | Richard Horne
BAS |
| 10.30 | Observations of EMIC waves and their effect on relativistic electrons
WP1 Science Highlights
20 min talk, 10 min Q&A | Johnathan Ross
BAS |
| 11.00 | Break | If you keep to time! |
| 11.15 | Origins of Plasmaspheric Hiss
WP2 Science Highlights
20 min talk, 10 min Q&A | Nigel Meredith
BAS |
| 11.45 | Quasilinear and nonlinear interactions
WP3 Science Highlights
20 min talk, 10 min Q&A | Oliver Allanson, Clare Watt
University of Northumbria |
| 12.15 | Stakeholder Presentation
20 min talk, 10 min Q&A | Hugh Evans
ESA |
| 12.45 | Lunch | |
| 13.45 | Into the future Darkly (is there light at the end of the tunnel?)
45min talk, 15 min Q&A | Ewan Haggarty
Airbus |
| 14.45 | Break | If you keep to time! |
| 15.00 | Optional open discussion
How to calculate diffusion rates for chorus and hiss - led by Richard/Sarah/Nigel | All |



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Thursday 1st October

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|-------|--|--|
| 10.00 | Radial Diffusion Coefficients: How do they vary with L*?
WP4 Science Highlights
20 min talk, 10 min Q&A | Jasmine Kaur Sandhu
MSSL/
University of Northumbria |
| 10.30 | Modelling of radiation effects on spacecraft
45 min talk, 15 min Q&A | Peter Truscott
Kallisto Consultancy |
| 11.30 | Break | If you keep to time! |
| 11.45 | Deriving proton belt radial diffusion coefficients via optimisation
20 min talk, 10 min Q&A | Alex Lozinski
BAS |
| 12.15 | Understanding the key signatures of magnetopause shadowing throughout a geomagnetic storm
30 min talk, followed by group study after lunch | Frankie Staples
MSSL |
| 12.45 | Lunch | |
| 13.45 | Combining radiation belt observations to evaluate the complex geomagnetic storm 6-10th Sept 17
Group Study/Workshop led by Frankie Staples | All |



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Friday 2nd October

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|-------|---|---|
| 10.00 | System Identification of the electron fluxes measured by GOES 16 and 17
WP5 Science Highlights
20 min talk, 10 min Q&A | Richard Boynton
University of Sheffield |
| 10.30 | Time Varying Magnetopause Motion
WP6 Science Highlights
20 min talk, 10 min Q&A | Ravindra Desai
Imperial College London |
| 11.00 | Break | If you keep to time! |
| 11.30 | Drift Orbit Bifurcations
Student Presentation
20 min talk, 10 min Q&A | Luana Williams / Dylan Shephard
Imperial College London |
| 12.00 | Discussion/Review | All |
| 12.30 | AOB/Closing Comments | Richard Horne
BAS |
| 12.45 | End of Meeting | |