
APRIL 4 • TUESDAY

3:00pm – 4:15pm

R SEPs

Jamaica (main building)

Introduction and general discussion

- Introduction: 2-3 slide contributions from participants introducing yourself, your interest in the SEP team, or slides related to any of the discussion items below.
- User needs discussion
- SEP scoreboard introduction
- Validation for science vs. user needs
- How to define: event, event duration, event start onset time
- Which observations and derived quantities to compare against?
- Event selection discussion

4:45pm – 6:00pm

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Metrics Discussion (2-3 slide contributions from participants on any of the discussion items)

- What quantities to validate?
 - Onset time or threshold crossing time
 - Duration
 - Profile shape/rate of increase
 - Capturing SEP vs No SEP (all clear)
 - Which energy ranges, which thresholds?
- How to compare models/methods
 - Model settings: Do some models need to be tuned for each event? Can they run for a long event period without parameter changes?
 - Reducing false alarms and misses
 - Which reference model or climatology to use?
 - Comparing models with different forecast types (deterministic vs probabilistic)
 - Collecting relevant models outputs for systematic comparisons (example: SEP scoreboard XML schema)
- Observations
 - What observations are needed as SEP model inputs?
 - Models running on retrospective vs. real-time inputs
 - Incorporating radio observations

APRIL 6 • THURSDAY

10:45am – 12:00pm

R Joint Session: SEPs; SEEs; Radiation Effects for Aviation; Total Dose

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- Discussion of user needs for each team's topic area
 - Event selection, finding a common event period for initial study
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