



Webinar chat summary

Special webinar | Solar tantrums: Why space weather matters

Tuesday 6 October 2026, 1.00pm-2.00pm

Presenters

- **David Mitchell**, Radio Astronomy Coordinator, Mount Burnett Observatory
- **Allison Kealy**, Director Innovative Planet Research Institute, Swinburne University of Technology
- **Cassie Marshall**, Space Weather Forecaster, Bureau of Meteorology

Appreciation

- Three very good presentations, thank you so much to bring to light such an unknown aspect of weather to many of us
- Fascinating presentation - very informative, thank you
- Thank you. Wonderful information .. and presentation
- Thank you. That was terrific session
- Thanks so much I found this presentation really interesting! It makes me wish I was a lot smarter and had more capacity to understand these beautiful complex systems <3
- Thank you for this great presentations
- Thank you all for a very informative presentation today
- That's cool as David
- A true Nerd!! excellent!
- excellent presentation. Thank you
- That was very interesting and informative. Thanks team
- Fascinating information and great presentations - thank you to the presenters
- Really great presenters today. Awesome session - thank you all
- Great session -many thanks
- Great session - thanks to all the presenters - happy World Space Week all
- Great presentations, thank you
- Thanks all - very informative and intriguing
- I wouldn't expect anything less David! Thanks all for some interesting discussion
- Thank you
- Thank you
- that was the best webinar I've ever been to, thanks 😊
- Brilliant
- Thank you, it was really interesting.

Links from webinar presentations

Mount Burnett Observatory

<https://mbo.org.au>



Geomagnetism

<https://geomag.bgs.ac.uk>

Electrical engineering questions and answers

<https://ewww.electricaldesks.com>

Australian Antarctic Data Centre

<https://data.aad.gov.au>

Space Weather Prediction Centre

<https://spaceweather.gov>

Magnetosphere

<https://science.nasa.gov>

Space weather and GPS systems

<https://www.spaceweather.gov/impacts/space-weather-and-gps-systems>

Bureau of Meteorology

<https://www.bom.gov.au>

Meteorology Act 1955

<https://www.legislation.gov.au/C1955A00006/latest/text>

Bureau of Meteorology Australian Space Weather Forecasting Centre

<https://www.sws.bom.gov.au>

Australian Space Weather Alert System document

<https://sws.bom.gov.au/Category/About%20SWS/Australian%20Space%20Weather%20Alert%20System/BoM%20Australian%20Space%20Weather%20Alert%20System.pdf?124>

NEMA's Exercise Aurora here

<https://www.nema.gov.au/about-us/media-centre/exercise-aurora-preparing-australia-extreme-weather>

Articles from webinar presentations

- “Impacts of Mid-Latitude Ionospheric Dynamics on RF Applications During the November 2025 Superstorm Event”

<https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2026GL124645>

“Could last year’s Gannon space storm and GNSS outage impact farmers again?”

<https://extension.k-state.edu/news-and-publications/news/stories/2025/04/agriculture-solar-weather-gps-outage.html>

“Effect of the 24 September 2011 solar radio burst on precise point positioning service”

<https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2013SW001011>

“Solar Radio Burst Events on 6 September 2017 and Its Impact on GNSS Signal Frequencies”

<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2019SW002198>

Comments in the chat (small sample)

- Given cancer rates increase the closer you are to the poles (and on aircraft) I would imagine solar radiation does have measurable health effects
- So for this upcoming spring/summer and considering the El Nino forecast ... are we in a sun cycle that would suggest interruption in the upcoming period?

Invitations to connect

- If you would like to talk to the Bureau of Meteorology about space weather services for your work, please contact space@bom.gov.au
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Announcements

Webinar resources

The webinar recording and other resources will be uploaded to the AIDR Knowledge Hub:
<https://knowledge.aidr.org.au/collections/webinar-collection/>

Special webinar

International Day for Disaster Risk Reduction: Resilience starts at home

Tuesday 13 October 1-2pm AEDT

For more information and to register, go to:

<https://www.aidr.org.au/events/57629?locationId=57630>