

Welcome to TTSO18

The Eighteenth Trans-Tasman Symposium on Occultations

April 1, 2024

Trans-Tasman Occultation Alliance
Parkes, New South Wales, Australia



Acknowledging our Sponsors

NACAA 2024 – Providing a physical venue and infrastructure to allow this meeting to happen.

Wellington Astronomical Society for allowing us to use their Zoom facility over these two weekends.



Rules of the house

- With both online and in person, please be patient as we combine interactions from both.
- Fire alarms, toilets and catering for in person attendees. Everyone else will have to look after themselves
- Only one person can speak at a time – usually the presenter.
- Use the Chat channel or ‘Raise your hand’ to ask questions – everything you type here can be seen by everyone else. Type as the questions come to mind – the presenter can decide to answer on the fly or at the end.
- If you are having technical difficulties, you can put questions in the chat channel but our ability to troubleshoot on the fly will be limited (our experience so far is the problem is often at your end).
- Please be polite and courteous.

Program for TTSO18

Monday 1 April 2024

AEDT	Duration	Speaker	Title	Description
Mon 1/4/24 (min)				
9:00:00	0:10:00	S. Kerr	Welcome and Introduction	
9:10:00	0:30:00	T. Haymes	SODIS	An introduction to the SODIS observation reporting structure.
9:40:00	0:40:00	S. Kerr	Round Up of TTOA Observing	Reviewing the results of observations by TTOA through 2023 with summary and statistics
10:20:00	0:30:00	Morning Break		
10:50:00	0:30:00	M. Forbes	Occultations by Global Meteor Network	This presentation shows my preliminary investigation into the possibility of using the GMN system for observing occultations
11:20:00	0:30:00	D. Gault	Short Event Processing	A cooks tour of the planetary occultation processing pipeline.
11:50:00	0:30:00	D. Herald	World Wide Result Roundup	Interesting observations and statistics from around the world.
12:20:00	1:00:00	Lunch		
13:20:00	0:30:00	M. Camilleri	GPS Flash Timing	Cheap and accurate GPS timing without DIY.
13:50:00	0:30:00	D. Herald	Validation of Asteroid Satellites by Occultation	A review of the challenges of detecting asteroid satellites
14:20:00	0:30:00	W. Hanna	2023 Observation Roundup	A summary of results from Bill's observatory
14:50:00	0:30:00	Afternoon Break		
15:20:00	0:30:00	T. Holt	2024 Didymos Campaign	A overview of the ACROSS Didymos campaign across Australia and New Zealand
15:50:00	0:30:00	S. Kerr	Upcoming TTOA Occultations and Campaigns	A round up of interesting upcoming occultations for Australia and New Zealand.
16:20:00	0:30:00	S. Kerr	Wrap Up	
16:50:00	0:10:00			

<https://www.occultations.org.nz/meetings/TTSO18/TTSO18.htm>