



2.3m Telescope Tour, Trig Point, Huntsman Telescope



David Allen Walking Track

INFORMATION and FIRST AID



Kids Talks

SSO Lodge, Adult Talks, Coffee and Cake

i-Telescope Tour

UKST Tour



ENTRY to SSO

Food & Coffee



Exploratory, Food and Coffee

AAT Tour, Displays, Planetarium



NAME: Anglo Australian Telescope (AAT)
 BUILT: Early 1970's
 YOUR TOUR GUIDES: AAT Staff
 FACTS: Mirror is 3.9m diameter and weights 16tonne!
 Diameter is 37m & height to base of dome 26m
COME TOUR INSIDE ME!



NAME: ANU 2.3m Telescope
 BUILT: Early 1980's
 YOUR TOUR GUIDE: Ian Adams & ANU Staff
 FACTS: Rather than a rotating telescope mount, the whole building rotates!
 And with a light mirror weight this allows for more rapid movement during observations.
COME TOUR INSIDE ME!



NAME: Huntsman Telescope
 BUILT: 2020
 YOUR TOUR GUIDE: Huntsman Team
 FACTS: Our Newest arrival to site - and opened in August 2022.
COME TOUR ME!



NAME: iTelescope
 BUILT: 2013
 YOUR TOUR GUIDE: Blake Estes
 FACTS: -Telescopes are located all around the world
 Anyone can book time on these telescopes
 There are 24 telescopes in the building!
COME TOUR INSIDE ME!



NAME: Korea Microlensing Telescope Network (KMTNet)
 BUILT: 2014
 FACTS: KMTNet has telescopes all around the world
 Mirror is 1.6m in diameter
 Targeting—the discovery of extra solar plants
NOT OPEN TO PUBLIC



NAME: Las Cumbres Observatory (LCO)
 BUILT: 2002-2003
 FACTS: 1x2m Telescope
 2x 1m Telescopes
 LCO has telescopes all around the world
NOT OPEN TO PUBLIC



NAME: Skymapper
 BUILT: Late 2000's
 FACTS: Dome is 11.5m high, and 6.25m in diameter
 Its mapping the entire southern sky, by the time its finished it will have imaged more than BILLION stars and galaxies!!
NOT OPEN TO PUBLIC



NAME: United Kingdom Schmidt Telescope (UKST)
 BUILT: Early 1970's
 FACTS: Currently being refurbished and equipped with new instruments to carry out the planned TAIPAN galaxy survey.
COME TOUR INSIDE ME!

TALKS PROGRAM in the SSO LODGE SEMINAR ROOM

1030am - Fred Watson:

More than a Big White Dome

1100am - Thomas Nordlander:

Anaemic stars and ancient supernovae

1130am - Hilay Shah:

Why and how to build galaxies

1200pm - Maya Jablonska:

Peering into the Abyss: How We Detect Black Holes

LUNCH BREAK 1230—1330

1330pm - Matthew Colless:

Telescopes: 100 years of evolving technology and advancing discovery

14:00pm - Jenny Jiang:

Behind the Scenes: the instruments that enable astronomical observations

14:30pm - Olivia Walters:

High Velocity Clouds: the giant magnets colliding with the milky way and radio wave astronomy

KIDS TALKS in the Old Admin

1030am - Katie Grasha -Stars and their Stellar Stories

1100am - Alan Chan -The Expanding Universe: Unveiling the Mysteries of Dark Matter and Dark Energy

1130am - Olivia Walters -The giant magnets colliding with the Milky Way, and how we can see them

1200pm - LG Spriggs -A Stellar Resolution

1230—1330pm LUNCH BREAK

130pm - Donna Burton Exploring Mars: The Thrills and Challenges of Space Travel

2pm - Matt Dodds—TBA

230pm - Gayandhi De Silva—Let's be detectives and fingerprint some stars!



StarFest

Bok Lecture

Warrumbungle National Park

5 October 2024

Join the celebrations

Saturday 5 October 2024
5.00–9pm

Join astrophysicist and Gomeri woman Krystal De Napoli for the Starfest Bok lecture. Explore the stars with us in the Warrumbungle National Park, Australia's first Dark Sky Park.

What's on

Krystal De Napoli - guest speaker
Q & A session with the Dark Sky Committee
Explore the night sky with Coonabarabran Stargazing
Telescope viewing opportunity

Partners:



Visitors are advised to dress warmly, including gloves and beanies. Please bring a chair and additional items for comfort such as a torch and blanket

To book your place call (02) 6842 1311
More info - nswparks.info/stars



Photo: Stargazing in the Warrumbungles © Admir Trtova/DCCCEW

THINGS TO DO @ SSO OPEN DAY

*Behind the scenes of the AAT, 2.3m, Huntsman, iTelescope, UKST and talk with technicians

*Lil Coffee Cart

*Grab a sausage sizzle from Coona Rotary Club

*Pilliga Pottery gelato and food

*Coona High School P&C fundraiser—sandwich's, drinks and cakes

*Bintel Onsite for your telescope needs

*Town Choir in the Dome from 12pm

*Catch the bus to the summit of the mountain for guided tours of the 2.3m Telescope and Huntsman

*Free buses circling around the site all day

*Planetarium on the Ground Floor of AAT

*Tamworth Astronomy Club Solar viewing

*Donna the Astronomer Solar Viewing

*Mt Burnett Observatory Information Stall—4th Floor AAT

*AAO and MQ UNI Info stall—4th Floor AAT

*AAT Catwalk for thrill seekers and a great photo—6th Floor AAT

*Dress up like astronauts in the AAT and have a photo—6th Floor AAT

*

*talks in the Lodge seminar room

*talks in the Old Admin Building

*Blast off! With OzGrav's amazing VR system—take a trip out into the solar system and beyond

*David Allen walking Track—NOTE steep walking in some areas.

(The track starts below the ANU lodge—look for the signs)



Australian National University

