



2.3m Telescope Tour, Trig Point, Huntsman, KMTNet



David Allen Walking Track

INFORMATION and FIRST AID



i-Telescope Tour



ENTRY to SSO

SSO Lodge, Adult Talks, Coffee and Cake

Food & Coffee



Exploratory and Kids Talks, 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
COME TOUR INSIDE ME!



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.
NOT OPEN TO PUBLIC

TALKS PROGRAM in the SSO LODGE SEMINAR ROOM

1030am - Brad Tucker: Space Race 2.0

1100am - Sven Buder:Unravelling the Milky Way's history through starlight with the GALAH Survey.

1130am - Peter Swanton: "Impacts of Light pollution on Indigenous Knowledge Systems".

1200pm - Neco Kriel: Magnetic fields: the quiet architects of galaxies

LUNCH BREAK 1230—1330

1330pm - Stuart Wyithe: Finite Speed of light and Archaeology of the Universe

14:00pm - Chris Lidman:

TALKS in the Exploratory

1030am -Andrew Battisti: "The Cosmic Distance Ladder" - How do astronomers measure distances in space?

1100am - Neco Kriel: Magnetic fields: the quiet architects of galaxies

1130am - Sara Webb: 2023 Space Odyssey

1200pm - Brad Tucker: Exploring the Solar System

1230—1330pm LUNCH BREAK

130pm - Matt Dodds : "How to explore the night sky with a telescope"

2pm- Sara Webb: Alien Life in the Solar system!

BOK LECTURE 230pm - 330pm

SSO Lodge Conference Room

Katie Auchetti

A stellar crime scene: piecing together the life and death of stars

Stars are the powerhouses for forging elements. During their lives they can forge elements all the way up to Iron. However, like us, stars also don't live forever and when they reach the end of their lives, they don't go quietly, but rather explode like a firework in something called a super-nova explosion which enriches the universe with these and even heavier elements. However, one of the most uncertain aspects related to our understanding of the end points of a star's life is the link between the properties of the star during its life and the type of supernova explosion that it will undergo. In this talk, I will highlight how we piece together the leftover pieces of these stars using telescopes both on Earth and in space in an attempt to further our understanding of the life and death of stars.



THINGS TO DO @ SSO OPEN DAY

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

*Lil Coffee Cart

*Grab a sausage sizzle from Coona Rotary Club

*Pilliga Pottery ice-creams and food

*Lodge CAFÉ for coffee and cakes

*Coona Bakery for all your bakery goodies

*Visit the Exploratory

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

*Free buses circling around the site all day

*Planetarium on the Ground Floor of AAT

*Donna the Astronomer solar viewing

*Tamworth Astronomy Club Solar viewing

*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

*Get up close to the AAT- and find out what its up to in the sky

*GET UP CLOSE to 2DF—what is 2DF? Come find out on the 4th Floor AAT

*talks in the lodge seminar room

*talks in the Exploratory area

*BOK Lecture at 230pm in the lodge seminar room with Susan Scott!!!

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

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



Australian National University

