

## PROPOSED OUTLINE OF EVENTS

### Monday 17<sup>th</sup> June

p.m.

- Flights to Brisbane.
  - ☞ Transport into Brisbane City for hire mini-bus
  - ☞ Brisbane students join group

5:00 pm

#### **Check-in at Brisbane City YHA**

392 Upper Roma St  
Brisbane City (Ph: 3236 1004)

#### **Venue – Rainforest Conference Room (BC-YHA)**

6:30 to 9:30 pm

- Dinner served at YHA
- Conference welcome & Introductions
- Zoom Conference – Past TSAA Students (Chris Dilger & Grace Lawrence – Swinburne University)

### Tuesday 18<sup>th</sup> June

#### **Venue – Rainforest Conference Room (BC-YHA)**

7:00 to 8:00 am

- Breakfast

#### **Venue – QUT Gardens Point**

9:00 am – 2:00 pm

- Astrophysics at QUT (Astrophysics lecturer and undergrad students)
- Tour of QUT Campus (Incl. Roof-top Observatory)

#### **Venue – Rainforest Conference Room (BC-YHA)**

3:00 to 3:15 pm

- Afternoon Tea

3:15 to 4:30 pm

- Lecture – History of Astronomy in Australia (John Tebbutt) – Prof Graeme White

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## Venue – BC-YHA Dorms

4:30 to 6:30 pm

- Free time

## Venue – Rainforest Conference Room (BC-YHA)

6:30 to 7:30 pm

- Dinner

7:45 to 9:30 pm

- Lecture – Double Stars (Prof Graeme White)

## Wednesday 19<sup>th</sup> June

### Venue – Rainforest Conference Room (BC-YHA)

7:00 to 8:00 am

- Breakfast

### Venue – University of Queensland (UQ) – St Lucia

9:00 am to 1:00 pm

- Physics museum (Incl. famous “Pitch Drop Experiment” & “Online Labs”)
- Asteroid search
- Q&A with Astrophysicists
- Campus & College tour (Science/Engineering student Billy Fogg)
- Lunch

### Venue – Brisbane Planetarium

2:00 to 4:30 pm

- Planetarium display and show
- Observatory (unique Zeiss 15 cm refractor)

### Venue – Rainforest Conference Room (BC-YHA)

5:30 to 6:30 pm

- Dinner

### Venue – Brisbane Exhibition and Convention Centre

7:30 to 9:30 pm

- An evening with Prof Brian Cox – Universal World Tour 2019

## Thursday 20<sup>th</sup> June

### Venue – Rainforest Conference Room (BC-YHA)

7:00 to 8:00 am

- Breakfast

9:00 am

- Check-out BC-YHA

9:15 am

- Dept. YHA Brisbane for USQ Springfield Campus (Minibus)

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## Venue – USQ Springfield Campus

10:00 to 12:30 pm

- Tour of USQ Springfield campus
- Lunch & travel to USQ Toowoomba (Minibus)

## Venue – USQ Toowoomba Campus

2:30 pm

- Arrive Toowoomba & afternoon tea (USQ Refectory)

3:00 to 4:00 pm

- Tour of USQ Campus
- Meet USQ astronomers

4:00 to 5:00 pm

- Travel to Mt Kent Observatory

## Venue – USQ Mt Kent Observatory

5:00 to 6:00 pm

- WH&S awareness and site tour
- Dinner

6:00 pm to late



*Before each session there will be a ½ hour background context set in the EDG building*

- **Discovering the Night Sky (all students) – Prof Graeme White**
  - ☞ Using a Dobsonian telescope, star map & red torch, students star-hop to find objects themselves and record results.  
Suggested objects: Southern Cross, Constellations, Milky Way, Coal Sack, LMC, SMC, Alpha Cen, Kappa Cru, Omega Cen, NGC4945, Cen A, Jupiter & Moons, Saturn, M8, M7, Moon and selected features
- **Project – Images of Nova Aquilae for photometry (Group 1) – Prof Graeme White**
  - ☞ Introductory talk on project and photometry then imaging using a Shared Skies research telescope
- **Imaging on Shared Skies telescope (Group 2) – USQ Astronomer & Ralph Smith**
  - ☞ Using a Shared Skies research telescope, students image objects of interest:  
Alpha Cen, Kappa Cru, Omega Cen, NGC 4945, Cen A, Jupiter & moons, Saturn, M8, M7, Moon & selected features

Retire to swags in EDG Building

## Friday 21<sup>st</sup> June

### Venue – USQ Mt Kent Observatory

9:00 to 10:00 am

- Breakfast

10:00 to 11:00 am

- Tour of MINERVA South facility

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11:00 am to 12:30 pm

- Solar viewing and recording

12:30 to 1:30 pm

- Lunch

1:30 to 4:00 pm

- Solar imaging – EDG Building

4:00 to 5:30 pm

- Free time

5:30 to 6:00 pm

- BBQ dinner at Mt Kent Observatories.

6:00 pm to late



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- **Astrophotography with Tripod Mounted Cameras (all students) – Prof Graeme White & Ralph Smith**
  - ☞ DSLR on fixed tripod – Milky Way
  - ☞ DSLR on side of classic C8 – Milky Way
  - ☞ DSLR/Phone imaging of bright objects through tripod mounted telescope
  - ☞ CMOS imaging through tripod mounted telescope
- **Project – Images of Nova Aquilae for photometry (Group 2) – Prof Graeme White**
  - ☞ Introductory talk on project and photometry then imaging using a Shared Skies research telescope
- **Imaging on Shared Skies telescope (Group 1) – USQ Astronomer & Ralph Smith**
  - ☞ Using a Shared Skies research telescope, students image objects of interest:  
Alpha Cen, Kappa Cru, Omega Cen, NGC 4945, Cen A, Jupiter & moons, Saturn, M8, M7, Moon & selected features

Retire to swags in EDG Building

## Saturday 22<sup>nd</sup> June

5:30 to 6:30 am

- Breakfast and pack-up

6:30 am

- Depart Mt Kent Observatory for BC-YHA

9:00 am

- Parents pick up students at BC- HA who joined Brisbane

9:15 am

- Depart BC-YHA for Brisbane AP

10:00 am onwards

- Drop off minibus and flights home