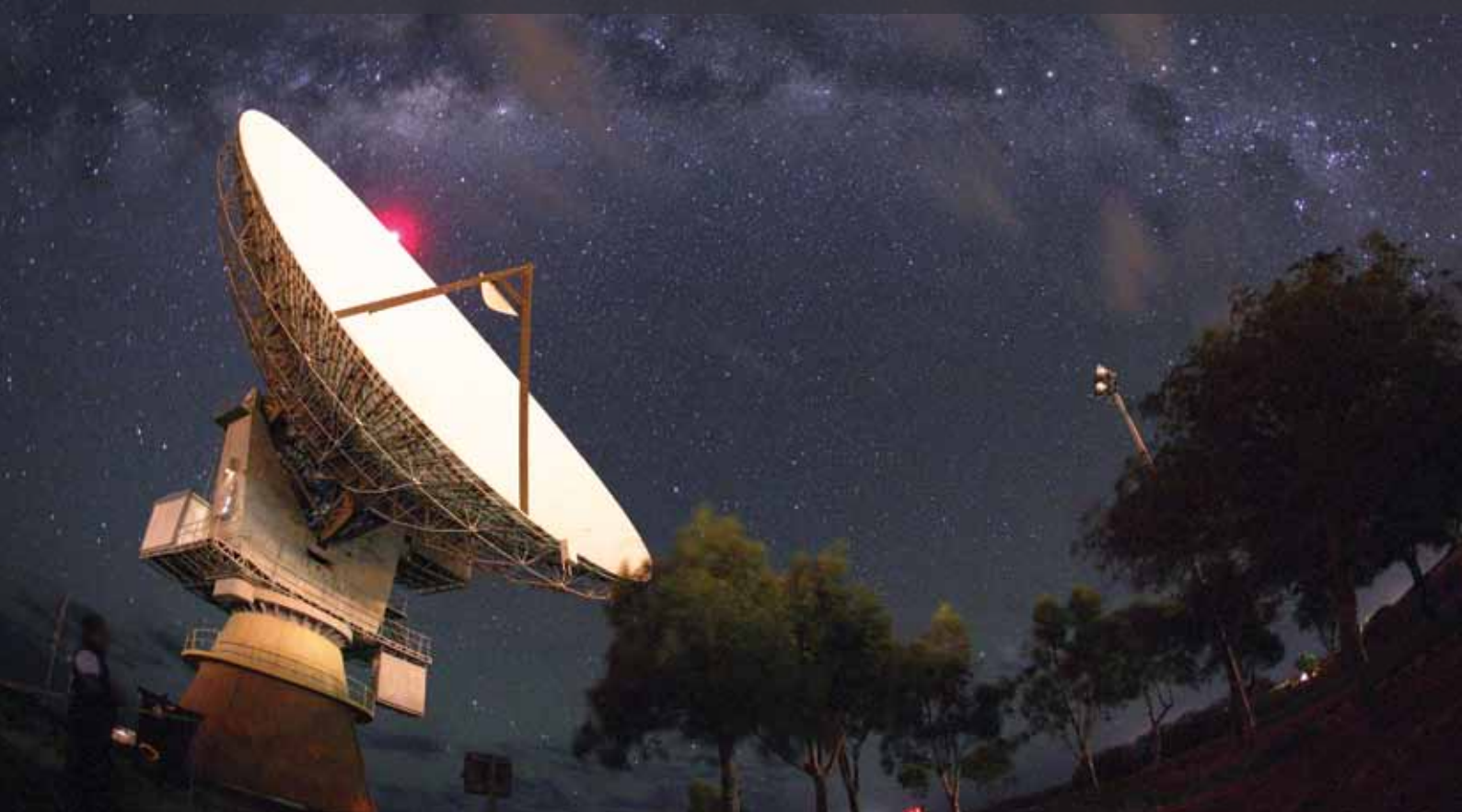


# ASTROFEST 2012

## ASTROPHOTOGRAPHY EXHIBITION



### WELCOME TO THE ASTROFEST 2012 ASTROPHOTOGRAPHY EXHIBITION

This year's exhibition showcases the exceptional talent and achievements of Western Australian astrophotographers. The 2012 exhibit presents a diverse range of images; from popular and well known images, to the lesser known and more challenging deep space objects, to extreme wide angle views of the night sky.

The astrophotographers featured in the exhibition use a range of equipment and techniques to achieve these remarkable images. Some use sophisticated telescope equipment and image processing designed to reveal hidden or faint detail. Other photographers use tripod based cameras.

Astrophotos selected for the exhibition have been grouped according to common themes; Astronomical Landscapes, Astronomical Panoramas, Star Trails and Multiple Exposures, Comet Lovejoy, Sun and Moon, and Deep Space.

More than 40 astrophotos have been selected for exhibition, showing work from 14 talented Western Australian astrophotographers.

Exhibition photographs have been selected to illustrate the diversity of Western Australia astrophotography, and to showcase technical achievement and quality, innovative techniques, aesthetic appeal & astronomical content. The inspirational images achieved by the contributors are a credit to the Western Australian astrophotography community.

The Astrofest 2012 Astrophotography Exhibition was made possible by The Western Australian Department of Commerce.

We hope you enjoy the exhibition as much as we've enjoyed putting it together.

ASTRONOMICAL LANDSCAPES



**Swan River Boatshed and Southern Cross**  
John Goldsmith



**Moon and City Skyline**  
Divya Palaniswamy



**Carnarvon Dish and Milky Way**  
Rick Tonello



**Carnarvon Casshorn Antenna and Milky Way**  
Rick Tonello



**Perth Skyline and Moon**  
Brian Sture



**Large and Small Magellanic Clouds**  
Roger Groom

ASTRONOMICAL PANORAMAS



**Milky Way Panoramic**  
David Parlevliet



**Pinnacles and Milky Way**  
David Parlevliet



**Space Train**  
David Parlevliet



**Stromatolites and Milky Way**  
David Parlevliet



**360 degree view of Comet Lovejoy from Kings Park, Perth**  
John Goldsmith



**Graffiti Bunker**  
David Parlevliet

STAR TRAILS AND MULTIPLE EXPOSURES

COMET LOVEJOY



**Windmill Star Trails**  
James Athanasou

**Pinnacle Star Trails**  
James Athanasou



**Perth, Planets and Moon**  
Divya Palaniswamy

**Wolfe Creek Crater Star Trails**  
James Athanasou



**Windmill and Moonrise**  
Chris Thorne



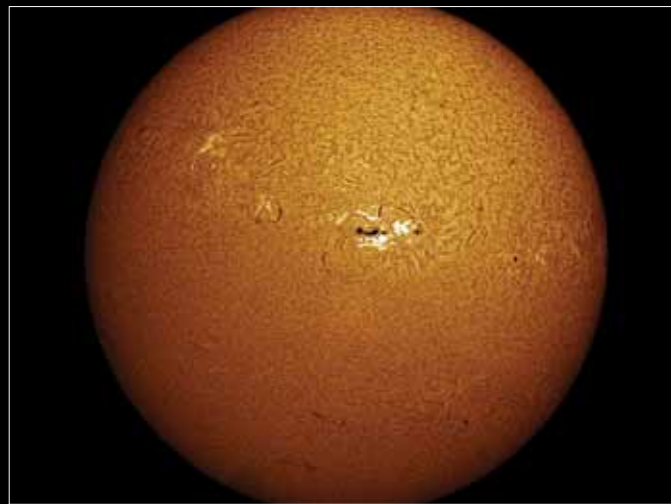
**Moonset and Ship**  
Chris Thorne

**Wave Rock and Stars**  
Chris Thorne



- 1 Chris Thorne
- 2 Above Brookton Valley - John Goldsmith
- 3 John Goldsmith
- 4 In the morning twilight - Grahame Kelaher
- 5 Roger Groom
- 6 John Goldsmith
- 7 James Athanasou
- 8 Above Perth Observatory - Rick Tonello

SUN AND MOON



Hydrogen Alpha image of the Sun, showing granulations and sunspot  
Rick Tonello



Lunar Eclipse in June 2011  
Grahame Kelaher



Lunar Eclipse With Stars  
Roger Groom



Moon  
Mick Todd

DEEP SPACE



DEEP SPACE



NGC5139  
Trevor Warner



Rosetta Nebula  
Trevor Warner

1 M20 - Grahame Kelaher 2 Horsehead Nebula - Brendan Mitchell 3 Helix Nebula - David Ahn  
4 M66 - Mick Todd 5 M16 - Graham Kelaher 6 IC2602 - Mick Todd

## DEEP SPACE



1 Lagoon and Triffid Nebulas - Grant Boxer  
2 M83 - Grant Boxer  
3 NGC5128 - Grahame Kelaher



4 M42 The Great Orion Nebula - Trevor Warner  
5 Seagull Nebula - Brendan Mitchell

The astrophotography exhibition also included timelapse photography sequences from Grahame Kelaher, John Goldsmith and James Athanasou.

### ASTROFEST ASTROPHOTOGRAPHY EXHIBITION 2012

**Curator:** John Goldsmith (Image selection: Kirsten Gottschalk, ICRAR)

#### Exhibition contributors:

David Ahn  
Graham Kelaher  
Mick Todd

James Athanasou  
Brendan Mitchell  
Chris Thorne

Grant Boxer  
Divya Palaniswamy  
Rick Tonello

John Goldsmith  
David Parlevliet  
Trevor Warner

Roger Groom  
Brian Sture

#### Sponsor:

Western Australian Department of Commerce

#### Associates:

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Celestial Visions

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International  
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Astronomy  
Research

This exhibition was held as part of Astrofest 2012 at Curtin Stadium, Perth on the 31st of March.