

NINGALOO ECLIPSE

WESTERN AUSTRALIA



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? What is an Eclipse?

A total solar eclipse occurs when the moon passes between the sun and earth, completely obscuring the face of the sun. A rare hybrid solar eclipse is set to occur on Thursday, April 20 2023, tracing a path from northeast to southwest across Cape Range in the Shire of Exmouth. The centre line of the eclipse path will pass over the Exmouth peninsula, making it the only location on mainland Australia to witness the phenomenon.

☀️ Totality

Visitors are travelling to see totality, 99% or less is not an option, some popular locations for viewing, and the length of totality are:

- Viewing platform at Kailis site = 62 seconds
- Ningaloo Visitor Centre/Aquarium = 56 seconds
- Ningaloo Station = 46 seconds
- Turquoise Bay = 41 seconds
- Vlamingh Head Lighthouse = 17 seconds

🕶️ Viewing the Eclipse

Viewing the sun at any time can be dangerous if you do not take the proper precautions, even when the sun's surface is partially covered during a solar eclipse.

The safest technique for viewing a solar eclipse is indirect viewing, and there are two screen sites available with live streaming starting at 10am and finishing at 1pm. The screens will be set up at Federation Park and Talanjeer Oval. Another technique is using a pinhole viewer to project an image of the sun onto a piece of card or stiff paper which acts as a screen.



Food Trucks

Over 30 food trucks will be in operation with the following service locations:

- Talanjee Oval 19th to 21st April
- Federation Park Oval 17th to 23rd April (DSF operating 19th to 21st)
- Town Beach 17th to 23rd April (DSF operating 20th)
- Welch Street 17th to 24th April



Dark Sky Festival

SolFest: 19-23 April

SolFest is a 3-day vibrant music concert on Talanjeer Oval. Each evening will feature a Welcome to Country by Traditional Owners, live performances and much more.

Stargazing Sessions – with AstroTourism WA Astronomy Guides:

19- 21 April

What's up in the night sky? The spectacular stars in the Milky Way Galaxy are waiting for you to see in these incredible stargazing sessions on our telescope fields.

Talanjee Oval & Federation Park:

Activated every day from 19-21 April from 5pm – 10pm with loads of free entertainment.

2022 Astrofest Astrophotography Exhibition: 1-30 April

Visitors are invited to see an exhibition of Western Australian astrophotography at The Ningaloo Centre curated by Roger Groom. The exhibition will be on daily for the entire month of April.

Totality Brunch at the Exmouth Yacht Club: 20 April (10.30am-1.30pm)

During the 62 seconds of 'totality' all the senses will be heightened over a delicious brunch.

Town Beach: First Lights

Activated on 20 April for the Drone Show from 5pm – 9pm, First Lights is a mesmerising highlight on the night of the Eclipse and involves choreographing a fleet of nearly 200 drones with 3D animation techniques, alongside a cinematic soundscape.

National Park Access

Jurabi Coastal Park: Controlled access to Jurabi Coastal Park between 17 – 23 April 2023.

- Residents passes obtainable via DBCA regional offices.

Cape Range National Park: Controlled access Cape Range National Park between 17 – 23 April 2023.

- Ticketing system.
- Restricted access to Charles Knife Road. Charles Knife Canyon closed 20 April.
- Shothole Canyon, Sandy Bay & Pilgonman Gorge will be closed for the week.

Waste Management

Solid Waste

The Shire and Exmouth Waste have chosen several locations during the TSE to be Waste Stations. These areas include temporary camp site Welch Street, Boat Ramps, Ningaloo Aquarium & Discovery Centre, Exmouth Town Centre and more. Together they will collaborate on the process of collecting, treating and disposing of solid wastes.

RV Dump Points:

- 2x located at Welch Street
- 1x located at Niblett Oval
- 1x located at Williersdorf Road

Recycling

Containers for Change, ABC Foundation and Exmouth T-Ball Association working alongside each to empty and dispose of bottles, cans, and glass.

The ABC Foundation and Exmouth Freemason will continue to service their regular locations and the T-Ball Association will service the TSE locations, such as Talanjee Oval, Welch Street and Town Beach.

Shuttle Bus Routes

Shuttle buses will be in operation from 17 – 21 April with 6 designated stops.

Welch Street camp site is one of those 6 stops. An additional shuttle bus service will be in operation on 20 April to ticket holders at the Kailis Viewing Site.



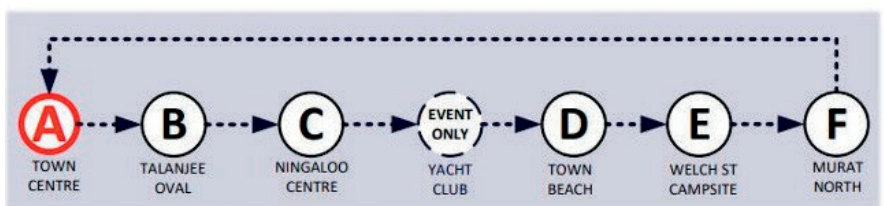
Traffic Management

The impact on travel, movement, freight and logistics as well as the functionality of the Exmouth Town Centre, will be pronounced given the remote nature of the site and limited transport infrastructure. Peak travel days are forecast to be:

- Monday 17 April for longer distance inbound movements within Exmouth & North-West Cape.
- The TSE on Thursday 20 April where large volumes of visitors from surrounding towns are expected to attend and depart the same day.
- Saturday 22 & Sunday 23 April when accommodation lodgings will see large volumes of movements south, particularly between 6am-10am.

Road Closures

- Maidstone Crescent: Joining the Exmouth CBD and Federation Park from 17 – 21 April.
 - Truscott Crescent: Joining Truscott Crescent and Talanjee Oval, on 20 April, Truscott Crescent will be closed to vehicles.
 - Charles Knife Canyon Road – closed between 17/4/23 and 19/4/23 and between 21/4/23 and 23/4/23 access along Charles Knife Rd will be restricted to the first viewing point on the south side of the road. Directly to the east of the water tanks where the vehicle turn around area is nominated. Approximately 2.1 kms from the Minilya/Exmouth Rd intersection.
 - Shothole Canyon Rd: Closed between 17/4/23 and 23/4/23.
 - Yardie Creek Rd: 17/4/23 till 23/4/23 inclusive into Cape Range National Park and Jurabi Coastal Park for day visitors with controlled access being applied from 19/4/23 to 21/4/23 inc.
- Beach Closures to vehicles: Town Beach – from Golf Club to Yacht Club 17 – 21 April
MacLeods Beach: 18-21 April



FREQUENCY: Approximately every 15min.

HOURS OF OPERATION:

Mon 17th & Tues 18th April: between 7am – 7pm
Wed 19th, Thurs 20th & Fri 21st April: between 7am – 11pm

EVENT ONLY STOP: Exmouth Yacht Club

Wed 19th & Thurs 20: during Yacht Club event hours only



Visit ningalooeclipse.com for further detail



**DARK SKY
FESTIVAL**
2023

YOUR DAILY GUIDE TO WHAT'S ON AT THE DARK SKY FESTIVAL



WEDNESDAY 19 APRIL

7am - 9:30pm **FREE ENTRY**
FEDERATION PARK

The Dark Sky Festival all day
& evening Picnic Zone!

7am - 8am
Slow Flow Yoga
(free, bookings required)

8:30am - 9:30am
Vinyasa & Music Yoga
(free, bookings required)

9 - 10am, 12 - 1pm, 6 - 7pm, 8 - 9pm
**'String Symphony' Giant Illuminated
Puppet Show supported by
Lotterywest**

10am - 12pm
Public Astronomy Talks

From 4:30pm
**Live music, market stalls, food trucks
& more!**
Please note this is an alcohol-free zone

8:30am - 4:30pm (Mon - Fri, 9am Sat
- Sun) **FREE**

**2022 Astrofest
Astrophotography Exhibition**
Enjoy this exhibition of incredible
dark sky photography
The Ningaloo Centre

8:30am - 4:30pm (Mon - Fri, 9am Sat
- Sun) **FREE**

Scitech
Ignite scientific curiosity in kids!
Special shows on at 10am, 11am,
2pm, & 3pm
And

**The Wallal Experiment and
Einsteinian Physics**
Learn how Einstein's Theory of
Relativity was proved - right here
in WA!
Mandu Mandu Centre



4:30pm - 10pm **FREE**
SolFest Music Festival

Come on down for live music,
delicious food trucks and the
kids' Astrotent!

Wednesday headliner: The Waifs
Talanjee Oval, alcohol-free event

5:30pm or 7:45pm
Dark Sky Festival Seafood BBQ
A seaside dinner featuring stunning
seafood BBQ
Exmouth Yacht Club

6.45pm to 9.15pm
Free Stargazing Sessions

7pm, 7.45pm & 8.30pm
Green Laser Pointer Tours
Let Astrotourism WA navigate you
through the Milky Way
Kooboroo Oval



VISITING ONSLOW?

Sunday 23 April,
5:30pm - 9:30pm
Fervor Dark Sky Dining
A remote dinner with ex-Noma
chef Paul 'Yoda' Iskov, Cullen
wine, and a stargazing guide
Four Mile Creek



For all information on the Dark Sky Festival, 19 - 21 April,
visit ningalooeclipse.com or scan the QR code

THURSDAY 20 APRIL

7am - 9:30pm FREE ENTRY

FEDERATION PARK

The Dark Sky Festival all day & evening Picnic Zone!

7am - 8am

Vinyasa Yoga

(free, bookings required)

9 - 10am, 12 - 1pm, 6 - 7pm, 8 - 9pm

'String Symphony' Giant Illuminated Puppet Show supported by Lotterywest

10am - 12pm

Public Astronomy Talks

From 4:30pm

Live music, market stalls, food trucks & more!

Please note this is an alcohol-free zone

8:30am - 4:30pm (Mon - Fri, 9am Sat - Sun) FREE

2022 Astrofest

Astrophotography Exhibition

Enjoy this exhibition of incredible dark sky photography

The Ningaloo Centre

8:30am - 4:30pm (Mon - Fri, 9am Sat - Sun) FREE

Scitech

Ignite scientific curiosity in kids!

Special shows on at 10am, 11am, 2pm, & 3pm

And

The Wallal Experiment and Einsteinian Physics

Learn how Einstein's Theory of Relativity was proved - right here in WA!

Mandu Mandu Centre

10am - 1:30pm

Totality Brunch

The ultimate front-row (delicious) seat to the eclipse

Exmouth Yacht Club



4:30pm - 10:30pm FREE

SolFest Music Festival

Come on down for live music, delicious food trucks and the kids' Astrotent!

Thursday headliner: Hot Dub Time Machine

Talanjee Oval, alcohol-free event

5:30pm - 9:30pm

(g) Astronomy Dinner

A lobster and seafood dinner under the stars

Exmouth Yacht Club

5:30pm, FREE

Fremantle Biennale's First Light Drone Show

Ancient stories told through 160 light drones, with indigenous music and dance. Supported by Lotterywest

Town Beach

6.45pm - 9.15pm

Free Stargazing Sessions

7pm, 7.45pm & 8.30pm

Green Laser Pointer Tours:

Let AstroTourism WA navigate you through the Milky Way

Koobooroo Oval

FRIDAY 21 APRIL

7am - 9:30pm FREE ENTRY

FEDERATION PARK

The Dark Sky Festival all day & evening Picnic Zone!

7am - 8am

Traditional Hatha Flow Yoga

(free, bookings required)

8:30am - 9:30am

Acro-yoga

(free, bookings required)

9 - 10am, 12 - 1pm, 6 - 7pm, 8 - 9pm

'String Symphony' Giant Illuminated Puppet Show supported by Lotterywest

10am - 12pm

Public Astronomy Talks

From 4:30pm

Live music, market stalls, food trucks & more!

Please note this is an alcohol-free zone

8:30am - 4:30pm (Mon - Fri, 9am Sat - Sun) FREE

2022 Astrofest

Astrophotography Exhibition

Enjoy this exhibition of incredible dark sky photography

The Ningaloo Centre

10am - 12pm

BYO "Best of your eclipse" photo for Roger to review!

8:30am - 4:30pm (Mon - Fri, 9am Sat - Sun) FREE

Scitech

Ignite scientific curiosity in kids!

Special shows on at 10am, 11am, 2pm, & 3pm

And

The Wallal Experiment and Einsteinian Physics

Learn how Einstein's Theory of Relativity was proved - right here in WA!

Mandu Mandu Centre

11am - 12pm, FREE

Public Talk and Book Signing by Greg 'Space Gandalf' Quicke

A fascinating presentation about our home planet's position in space

Ningaloo Centre

4:30pm - 10pm FREE

SolFest Music Festival

Come on down for live music, delicious food trucks and the kids' Astrotent!

Friday headliner: Caravāna Sun

Talanjee Oval, alcohol-free event

6.45pm - 9.15pm

Free Stargazing Sessions

7pm, 7.45pm & 8.30pm

Green Laser Pointer Tours

Let AstroTourism WA navigate you through the Milky Way

Koobooroo Oval

OTHER EVENTS

Sunday 16 April, 1-3pm

Roger Groom Astro Photography Workshop

Tantabiddi Gallery, Ningaloo Centre

Sunday 16 April, 7-9pm

Roger Groom Astro Photography Workshop

Practical field workshop

Tuesday 18 April, 7-9pm

Roger Groom Astro Photography Workshop

Practical field workshop



Astro Photography
www.AstroPhotography.com.au