A night sky photograph showing a faint aurora borealis in shades of green and purple. A bright star is visible in the upper left. The bottom of the image shows the roofline of a building with a stone chimney.


**Gravitational Wave Astronomy
North-West
7th Annual GWANW
Jun 24-26 2024**

Human Things

- Bathrooms and Water Stations are Behind You
- Evacuation Areas for Fire and Lock-down Emergencies
- Coffee and Tea mugs are available for your sustainable use
- Lunch, snacks, and dinner are provided for each day




Human Things

MON
6/24  **85°** /55° 0%


Partly sunny and pleasant; dry thunderstorms can spark new wildfires

RealFeel®	90°	Max UV Index	9 Very High
RealFeel Shade™	83°	Wind	SSE 5 mph

TUE
6/25  **94°** /62° 0%

Hot with plenty of sunshine

RealFeel®	98°	Max UV Index	9 Very High
RealFeel Shade™	91°	Wind	SE 4 mph

WED
6/26  **92°** /64° 0%

Hot with plenty of sunshine

RealFeel®	96°	Max UV Index	9 Very High
RealFeel Shade™	89°	Wind	SSW 7 mph

It's **HOT** in the desert.

The UV index is **VERY HIGH**
The wind is **NON-EXISTENT**
Fire Danger **HIGH**

When outside, we strongly recommend

- Wear a hat
- Wear sunscreen
- Have a personal source of water
- Drink that water
- Holler if you're feeling it and would like help
- Watch out for others



This is a safe space.

Take your time. Be patient. Listen.

Take a break.

Do whatever you need to do.

In here, we set aside the world for a moment to look

—and “listen” —

up.

Welcome!

JWST NIRCам Image of [Serpens Nebula](#)

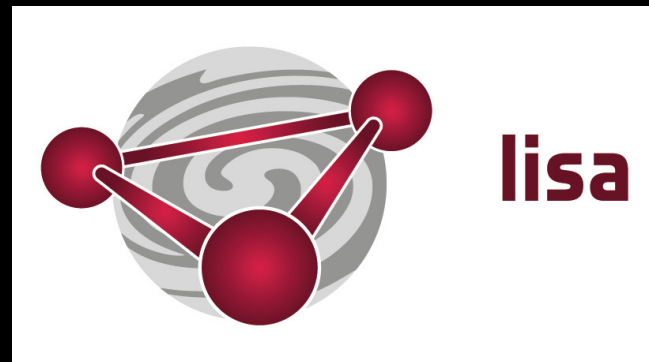
GWANW 2024: Essential Links

<https://www.npl.washington.edu/eotwash/https%3A//www.npl.washington.edu/eotwash/gwanw2024>

<https://dcc.ligo.org/cgi-bin/DocDB/DisplayMeeting?conferenceid=1182>

<https://washington.zoom.us/j/95644215436>

Zoom Meeting ID: 956 4421 5436



Conference Dinner: Essential Food Order!!

Dinner at
Proof Pasco

Teusday 6/25
18:30 PDT

6627 Burden
Blvd Suite C,
Pasco, WA
99301

**(1/2 hour drive
from LHO)**



Use the QR Code, or
tinyurl Link below to
order your food via
Google Forms

<https://tinyurl.com/GWANW2024>

**Please Complete
the form by
12:00p TODAY**

GWANW 2024: Day 1

[LHO:75543](#) "The wind fence needs repair again..."



10:15 GW Astronomy Tutorial

11:15 Coffee Break

11:45 LIGO Tutorials

13:15 Lunch Break

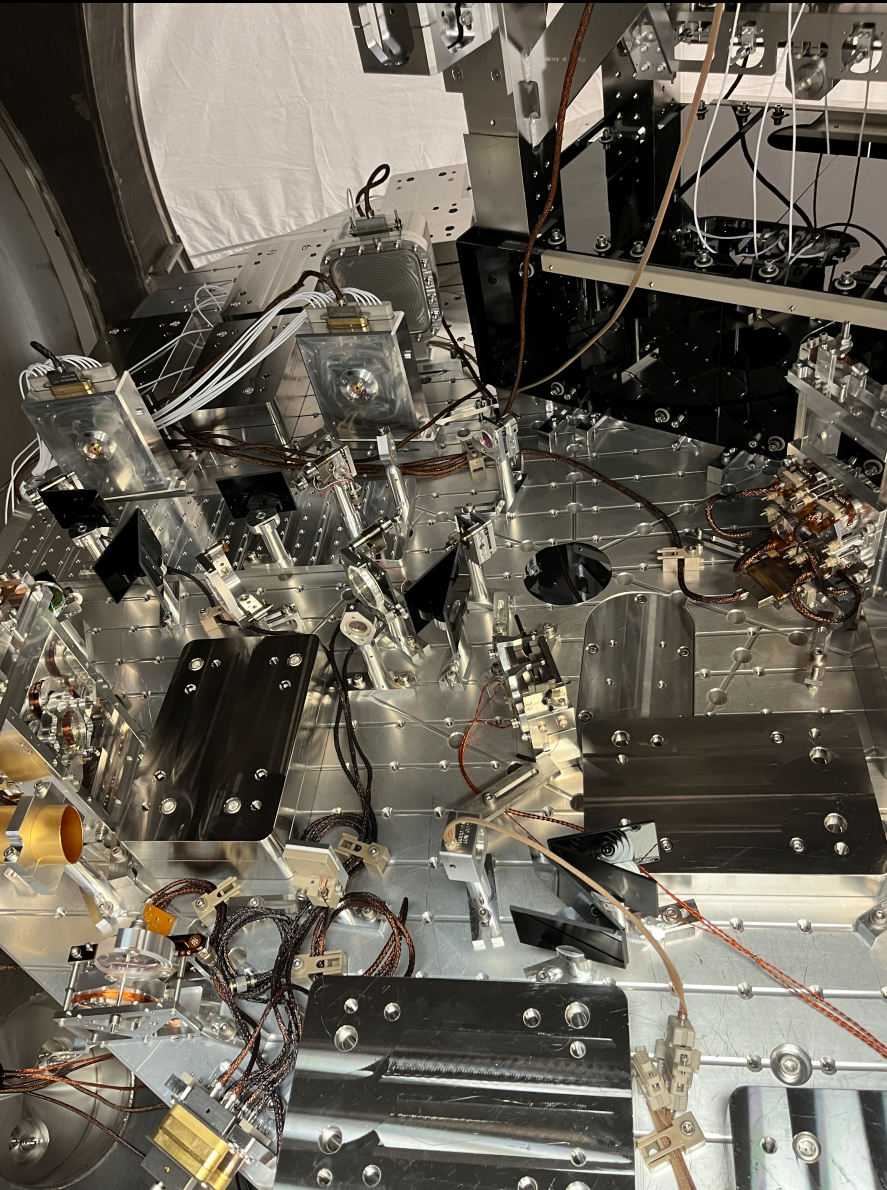
18:00 *Optional Evening Activity: Board games and Pizza!*

14:15 NANOGrav Tutorial

15:00 Coffee Break

15:30 LISA Tutorial

GWANW 2024: Day 2



Inside HAM6 after OMC Swap [LHO:75791](#)

9:00 Welcome

9:30-10:45 LIGO Lab Tour

11:00 Observatory Status Updates

12:00 Lunch Break

13:30 PNW Group Updates

14:45 Coffee Break

15:00 Outreach Discussions

16:00 Small Group Chat Time

18:30 *Optional Evening
Activity: Conference Dinner
at Proof (Pasco)*

LHO Site Tour 9:30a – 10:45a

Please split yourself into the following groups:

- BEGINNER “I’m new to gravitational wave physics, let alone the detector” [main location, control room; “highlight location” on to the roof]
- INTERMEDIATE “I do data analysis, and I think I know a bit about how the detector works, but I’d love to see in person, and I can take in *some* details.” [a bit of time in the control room, “highlight location” high-level, general walk through the LVEA]
- EXPERT “I’ve been to the observatories before, I’d love to hear what’s new since last year, and to pick your brain about some specific technical details.” [“highlight location” is the Electronics Racks and the HAM567 area]
- I DON’T WANNA “I need a break from people,” “My email inbox is on fire,” “It’s too hot outside,” “I’m too old for that” “I’d rather to talk with long-lost colleagues instead” Whatever the reason – you do you! LExC will remain open and cool.
- We have 4 tour guides, so we can split up one of the groups if one is big
Camilla Compton, Sheila Dwyer, Jeff Kissel, TJ Shaffer
- All tour guides can cover all levels, so Ask Us Anything!
- Please wear comfortable, close-toed shoes.

GWANW 2024: Day 3

Adams

Rainier

Pahto

Tahoma

Rattlesnake
Lalíik

Columbia River

Nch'i-Wàna

9:00 Morning Coffee

10:00 Science Talks

12:30 Lunch Break

13:30 Science Talks

14:30 Career Talks & Discussion

15:00 Close out & Safe Travels Home!

[G2301207](#) Aerial Photos Collection circa May 2023

(Indigenous names for geographical features are shown in the Yakama Language)

Career Advancement Opportunities

LIGO

- LIGO Grads, Post-docs, and up: **LSC Fellows Program**
 - Ask your LVK advisor; contact Sheila Dwyer & Brian O'Reilly
- Undergraduates: **Summer Fellowships**
 - <https://www.ligo.caltech.edu/page/reu-undergraduate-internships>
- **Jobs Jobs Jobs:**
 - <https://www.ligo.caltech.edu/page/employment>
 - <https://www.ligo.caltech.edu/page/postdocs>

LISA

NANOGrav / PTA

It's US! Yay 2024!



GWANW 2025

Mark Your Calendars!

June 16-18 2025

Back at LIGO Hanford Observatory

**Host Institution: University of Oregon
(Ben Farr is Point of Contact)**