

DRAFT SUMMER SCHOOL AGENDA (2/6/2025)

Day 1: Monday, July 14, 2025

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| Goals: | Participant introductions and Summer School overview |
| | Computing environment/JupyterHub familiarity |
| | NSF-OOI acoustics instrument and data overviews |

A.M.

- Welcome: Review workshop goals, agenda and expectations
- Participant introductions part 1 (lightning talks)
- OOI program overview (general: network and assets)
- Acoustics Primer 1 (focus: OOI acoustic instruments)

P.M.

- Participant introductions part 2 (lightning talks)
- Python/conda (computing) environment setup and JupyterHub walk-through
- OOI data overview (data collection >> data delivery >> user access, with brief examples)
- Networking and open discussion

Day 2: Tuesday, July 15, 2025

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| Goals: | NSF-OOI passive acoustics instrument and data overviews |
| | Learn how to access and process passive acoustic data through hands-on activities |

A.M.

- Computing environment check/troubleshooting
- Acoustic Primer 2 (focus: passive acoustics)
- Programming best practices (working with passive acoustics data)
- Guest Lecture #1

P.M.

- NSF OOI Case Study #1: (passive acoustic data exploration activity)
- Networking and open discussion

Day 3: Wednesday, July 16, 2025

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| Goals: | NSF-OOI active acoustics instrument and data overviews |
| | Learn how to access and process active acoustic data through hands-on activities |

A.M.

- Data activity check-in and review
- Acoustic Primer 3 (focus: active acoustics)
- Programming best practices (working with active acoustics data)
- Guest Lecture #2

P.M.

- NSF OOI Case Study #2: (active acoustic data exploration activity)
- Networking and open discussion

Day 4: Thursday July 17, 2025**Goals:** NSF-OOI complementary data - instrument and data overviews

Learn how to access and process other OOI data necessary for acoustic analysis through hands-on activities

A.M.

- Data activity check-in and review
- Cloud computing overview and getting started
- Acoustics Primer 4 (data sets complimentary to acoustics)
- Guest Lecture #3

P.M.

- NSF OOI Case Study #3 (data exploration activity)
- Networking and open discussion

Day 5: Friday July 18, 2025**Goals:** Review research best practices and discuss sponsor opportunities

Develop ideas for future research and educational activities

A.M.

- Data activity check-in and review
- Reproducible research best practices
- Research sponsor panel discussion (federal funding agencies: NSF, ONR, NOAA, etc.)
- Guest Lecture #4

P.M.

- Brainstorming/networking session
- Program wrap up and next steps