

# OmniSOC

The Higher Education & Research  
Security Operations Center

# The ARF Sec Team



[arfsec@iu.edu](mailto:arfsec@iu.edu)



# Continuing Projects:

- CRMP and compliance documentation
- Participating in the NextGen Firewall (NGFW) Project
  - Great opportunity to upgrade network security!
- Monitoring network data.
  - NGFW, Corelight NIDS and OmniSOC Data Aggregators
- Deploying STINGARv2 Honeypots
  - 8 ships have them deployed
  - VMs or Raspberry Pi available
  - We can help with deployment
- External Network Vulnerability Scanning



# Continuing Projects (cont.):

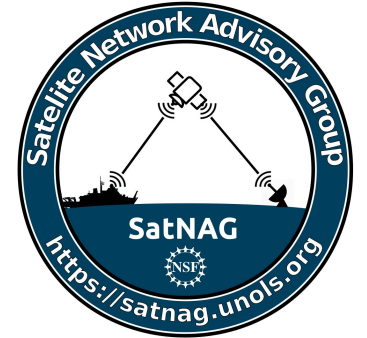
- Attend ship inspections:
  - Sproul
  - Sharp
  - Arranging to attend three more in 2025
- Ship and facility visits
- Incident Response (IR) Policy & Procedures
  - Review existing
  - Work with you to create new
  - All ship operators should have them!
- Cyber-Incident Drills
  - Test IR Policies and Procedures
  - Prepare for the cyber-incident that will come.





# Community Engagement

- Consults and Participates with:
  - CIWG
  - SatNAG
  - HiSeasNet
  - NextGen Firewall (NGFW) Project
- Participates at RVTEC Conference
- Attend UNOLS Council Meetings
- Participated on the training cruises on the Sikuliaq



# Cyber-incidents are happening:

- 4 total incidents in 2024
  - 1 from network and system monitoring
  - 3 from network honeypots
- **6 incidents so far in 2025**
  - 1 from network and system monitoring
  - 5 from network honeypots
  - These have all been relatively minor:
    - Little operational impact
    - Were misconfigured devices
    - Investigation was inconclusive but no further threat was detected.





Thank you for your attention.  
**Questions?**

---



arfsec@iu.edu