

Base Seattle C5I

Polar Icebreaker Support

USCGC HEALY



Homeland
Security



2022 So Far

- Installed new fiber switch in Radio for improved front of ship/back of ship network communications
- Responded to VSAT UPS failure: short turnaround replacement
- Upgraded servers to Windows Server 2019
- Installed new printers: Xerox VersaLink C405
- Implemented McAfee SIEM for increased security alerting/reporting
- Updated video display systems



Starlink Prototype: Collaboration with CG RDC, Ship ETs

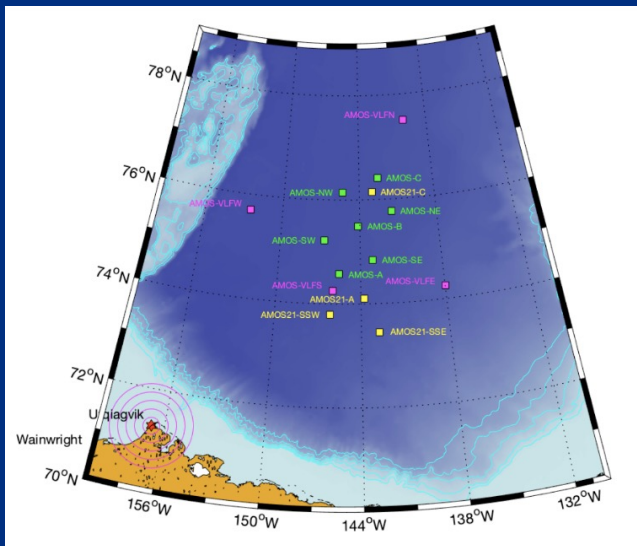
- Starlink “cells” are not fully activated: system testing is in progress.
- Open ocean service is not supported yet.
- Where service exists, bandwidth is variable but consistently higher than VSAT; latency (signal delay) is low.
- System is designed for consumer level services: some technical work will be required for us to use as a production system.



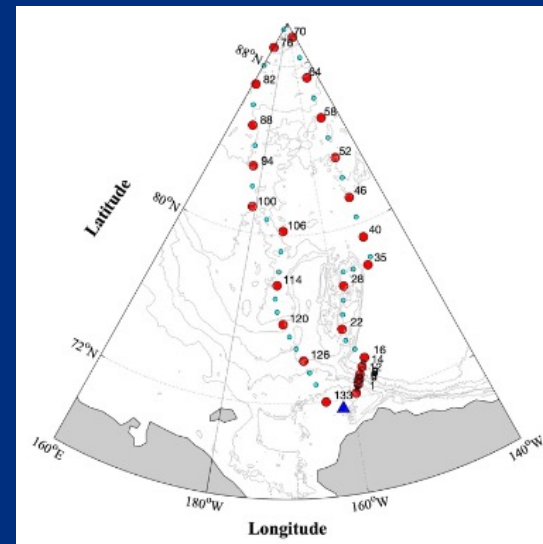
Healy Arctic West Summer 22

Supporting science underway

HLY2201: AMOS



HLY2202: SAS



Future plans

- Replace VSAT antennas: acquisition project in process
- Implement new wifi infrastructure: Cisco APs
- Test/implement single domain (just polarscience.net)
- Replace IP cameras
- Replace large format printer in Future Lab (currently OOC): 36” instead of 44”
- Evaluate Starlink for production use
- Fiber replacement plan: on schedule for 2024 MMA



Personnel

Rajendra (Raj)
Patel
Branch Chief



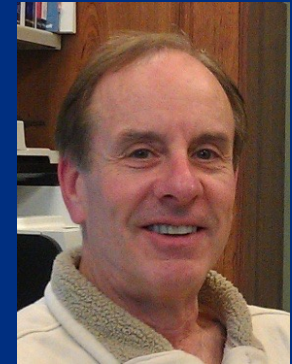
Tom Gomez
Deputy Chief



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Network Administrator



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Contact

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