The *R/V Pelican*'s Experiences with the HiSeasNet Small-footprint Ku-band System

Brenda Leroux Babin

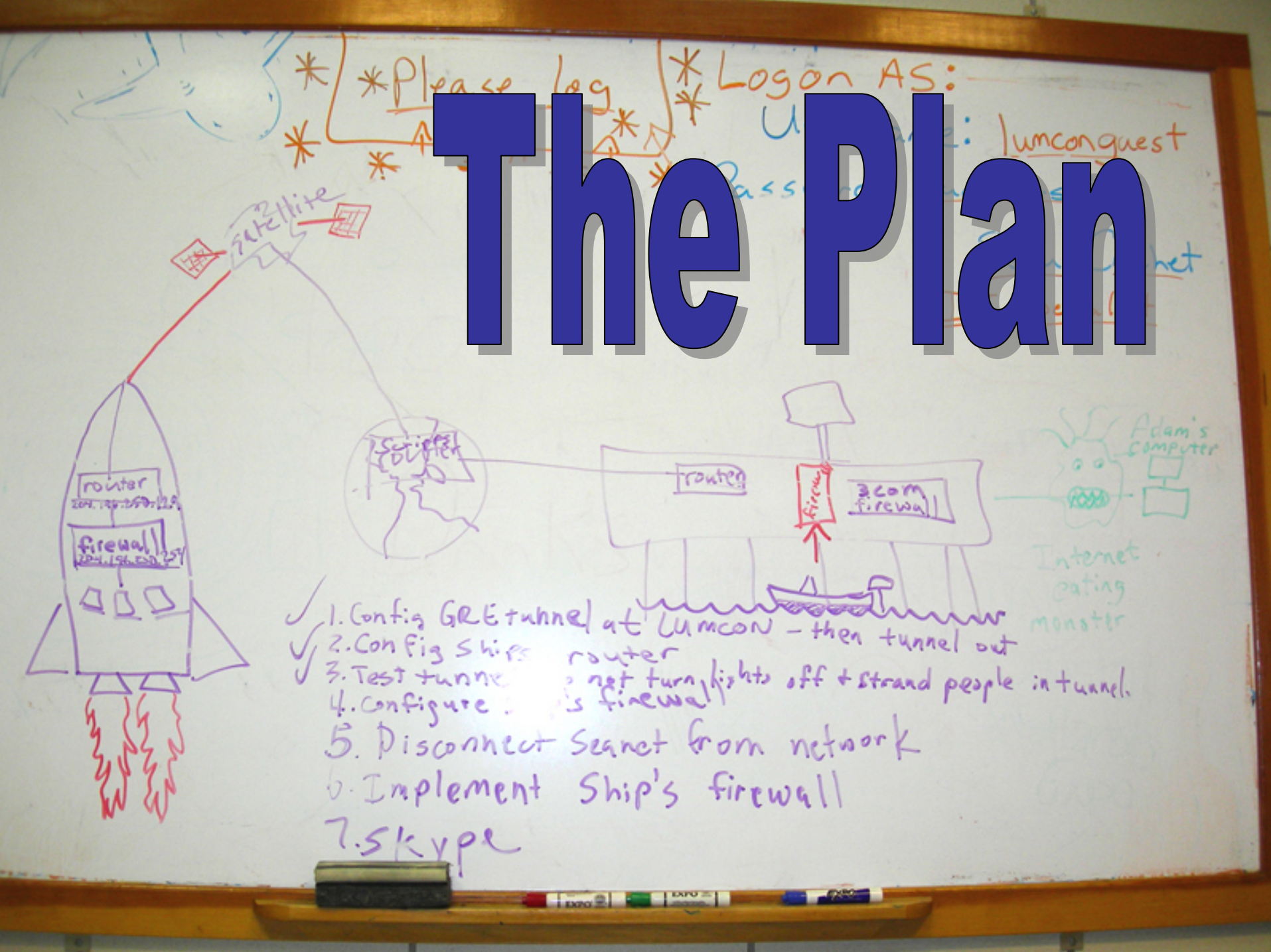
Who are we?


Thibodaux
Jean Lafitte
Morgan City
Lockport
Houma
Golden Meadow
Grand Isle

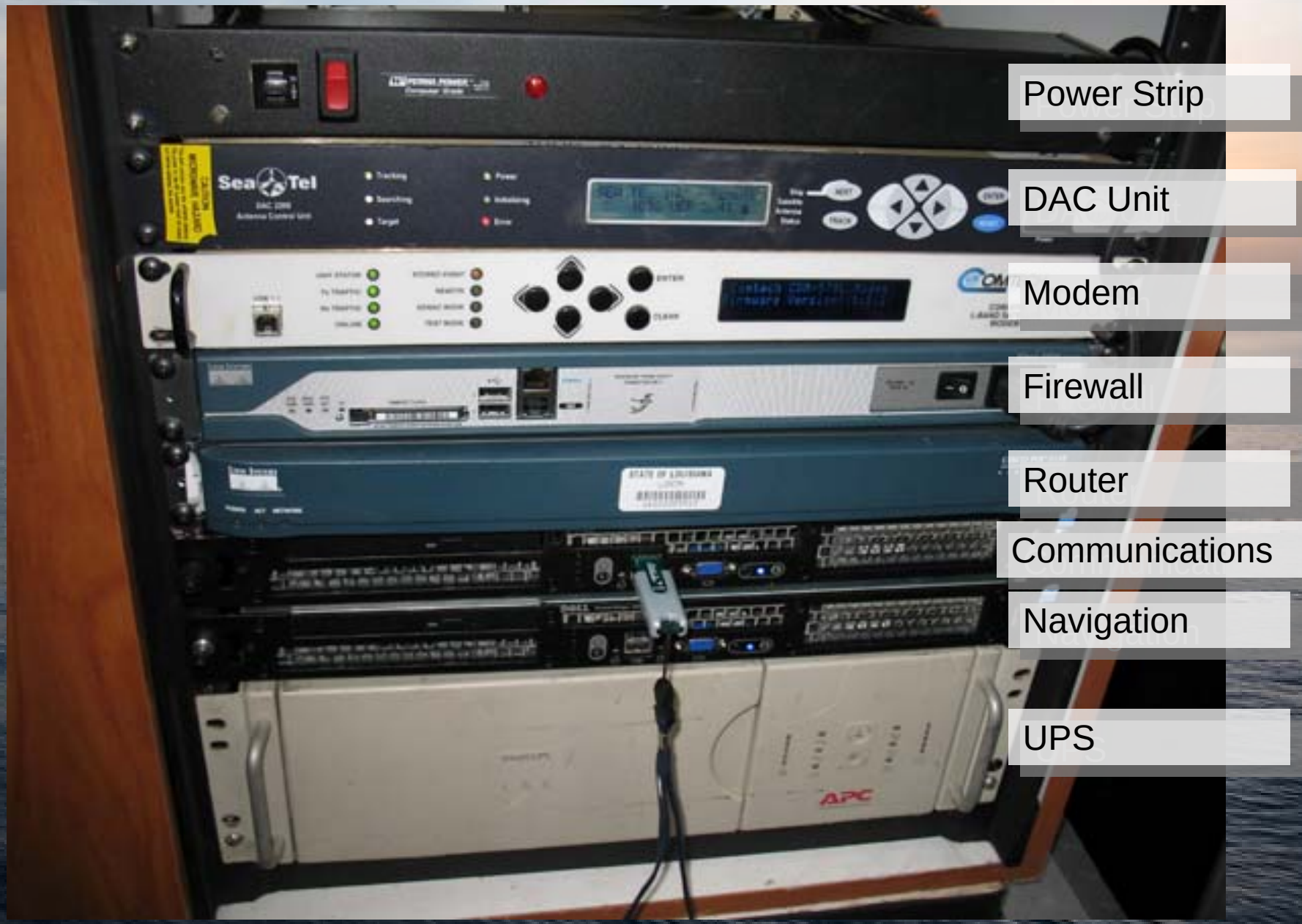
LUMCON

RV Pelican

The Plan


Please log
Logon AS:
lumconquest
satellite
router
firewall
router
firewall
3com firewall
Adam's computer
Internet eating monster
1. Config GRE tunnel at LUMCON - then tunnel out
2. Config Ship's router
3. Test tunnel - not turn lights off + strand people in tunnel.
4. Configure Ship's firewall
5. Disconnect Seanet from network
6. Implement Ship's firewall
7. Skype

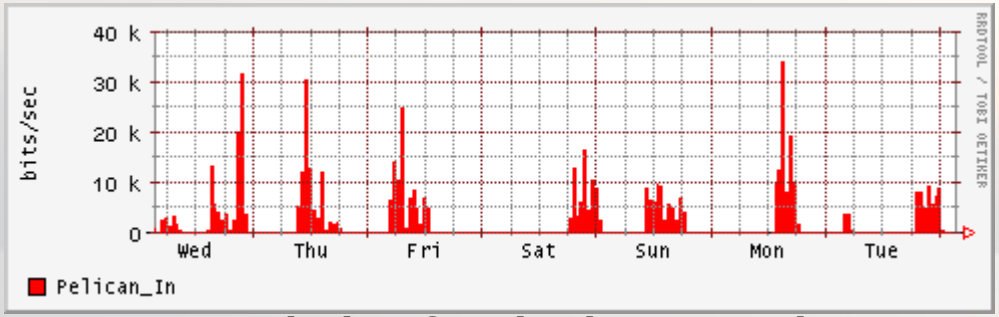
SeaTel 4006 1, Ku-band Antenna


Power Strip
DAC Unit
Modem
Firewall
Router
Communications
Navigation
UPS
Sea Tel
APC

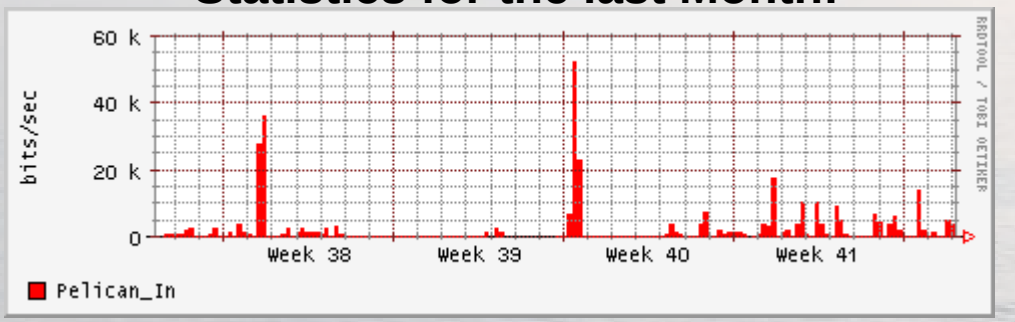
recent news

17 AUGUST 2006: R/V Pelican, operated by Louisiana Universities Marine Consortium, is now online via HiSeasNet. Pelican utilizes a SeaTel 4006 1m Ku-band antenna. Internet traffic is passing through a SatMex 5 to the HiSeasNet earth station that sits on top of the San Diego Supercomputer Center's primary building. Traffic plots are available online here.

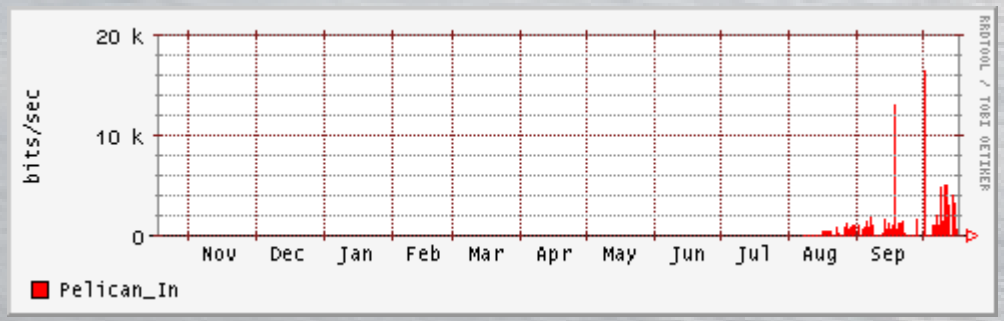
Statistics for the last week:

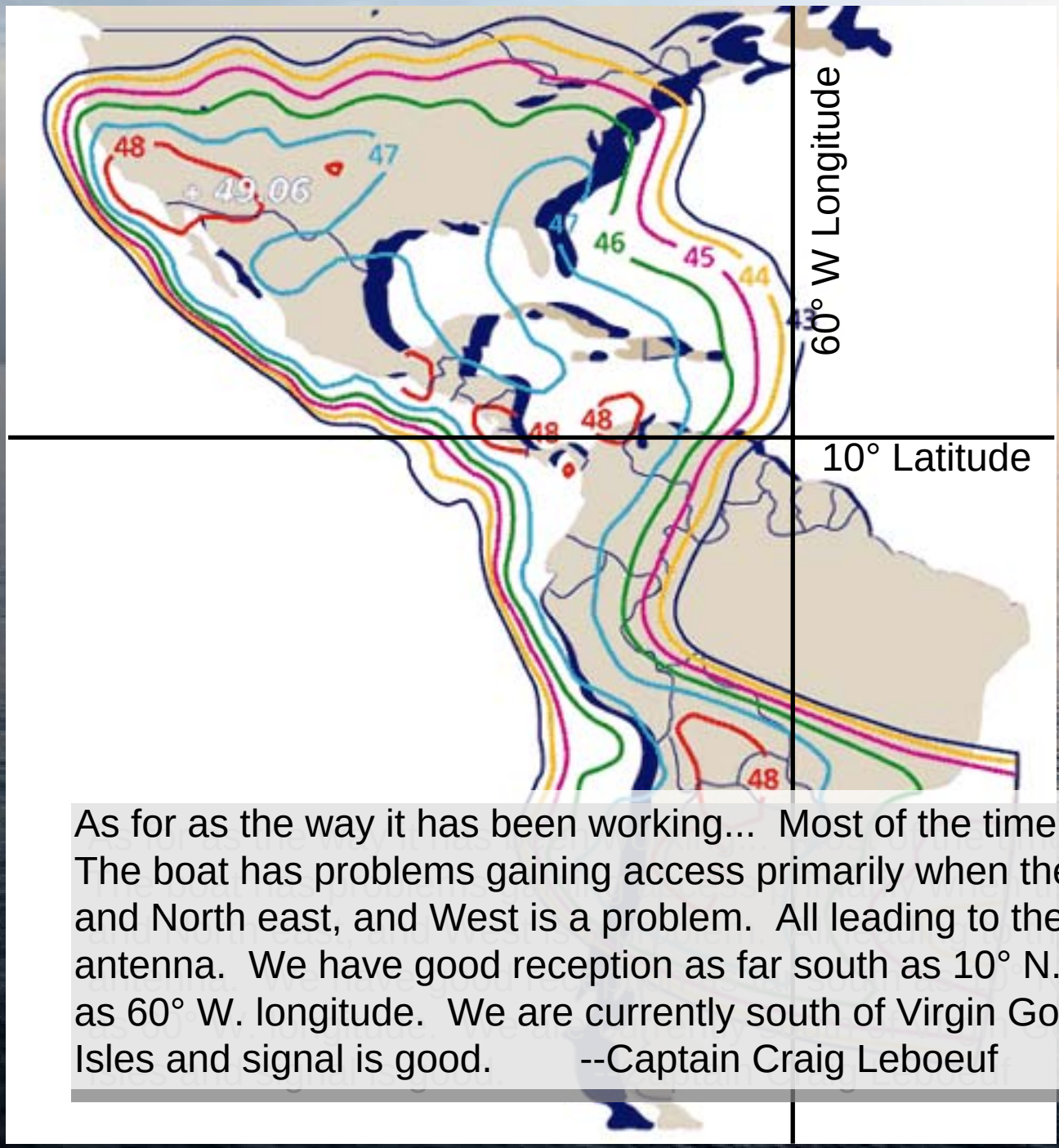


Statistics for the last Month:



Statistics for the last Year:



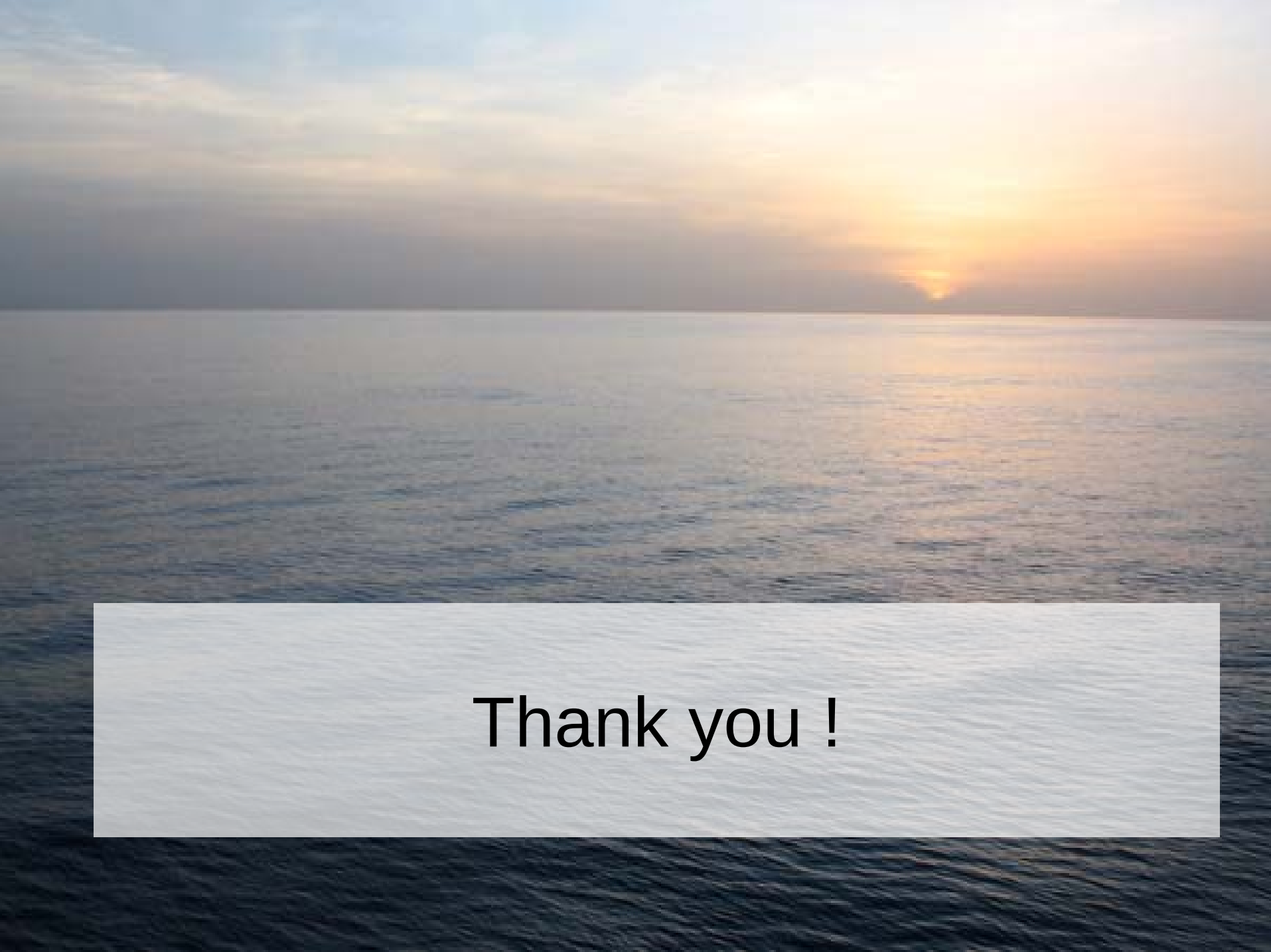


As for as the way it has been working... Most of the time we have a good signal. The boat has problems gaining access primarily when the boat is heading North and North east, and West is a problem. All leading to the orientation of the antenna. We have good reception as far south as 10° N. latitude and as far east as 60° W. longitude. We are currently south of Virgin Gorda in the British Virgin Isles and signal is good. --Captain Craig Leboeuf


PELICAN

Future Plans

- Develop HiSeasNet Policy
- Implement the firewall
- Add entire ship to network
- Increase communication opportunities for scientists
- Display MIDAS data at www.lumcon.edu in real time


Thank you !