

HiSeasNet 2016 Review

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2016 Transitions and Highlights

- HiSeasNet Team Transition II
- Network Infrastructure Scaling
 - Architecture expanded for dedicated AOR and POR bandwidth expansions
 - Trans-Atlantic Ku service
- Network Operations and Support
 - Shared situational awareness Slack upgrade
 - InMon Traffic Sentinel implementation
 - Life cycle replacements
- HiSeasNet Future Directions
 - Better integration with FBB and GX
 - Standardize reference architecture
 - Engineer for increased bandwidth
 - ♦ Manage bandwidth as an end-to-end service
 - Routine system checks during mobilization
 - **♦** Continue to baseline systems and operations

Thank You for your continued patience

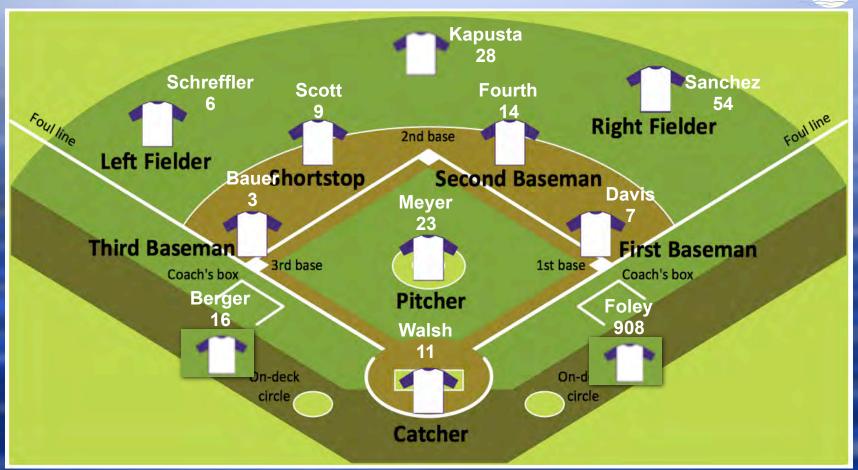


Patience is something you admire in the driver behind you, but not in one ahead.

Bill McGlashen

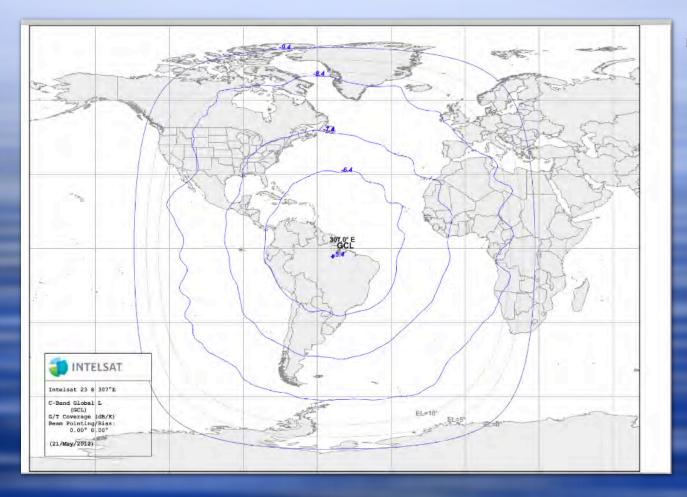
HiSeasNet Support Team





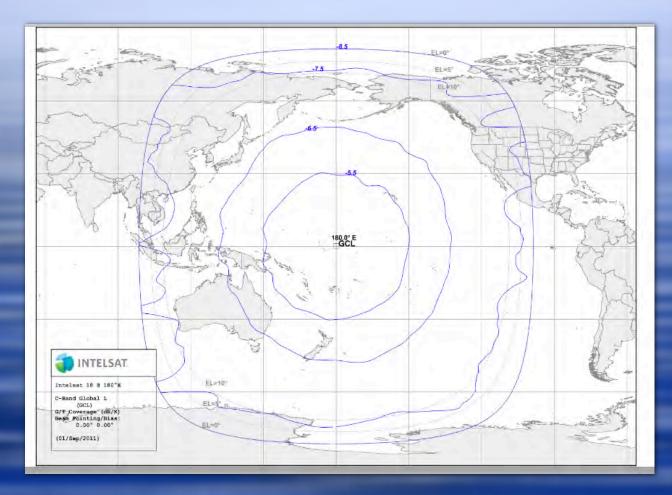
HiSeasNet Support Line (858)822-3356 hiseasnet@ucsd.edu





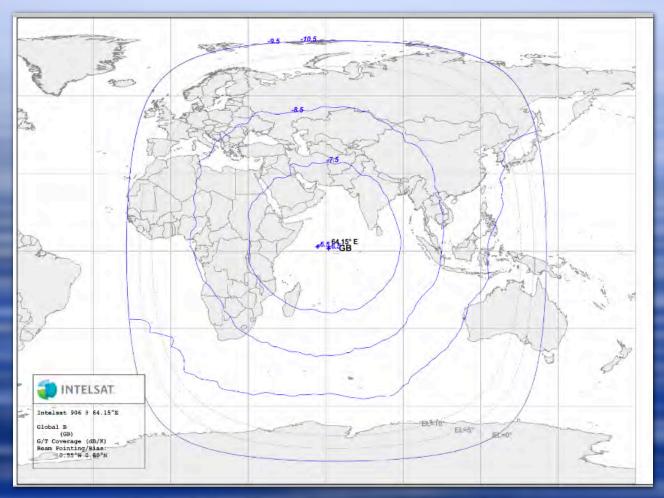
Global Atlantic C-band Beam



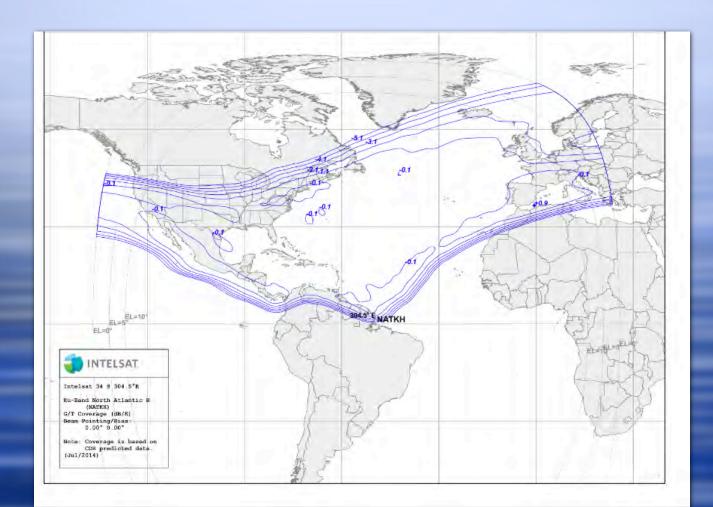


Global Pacific C-band Beam





Global Indian Ocean C-band Beam



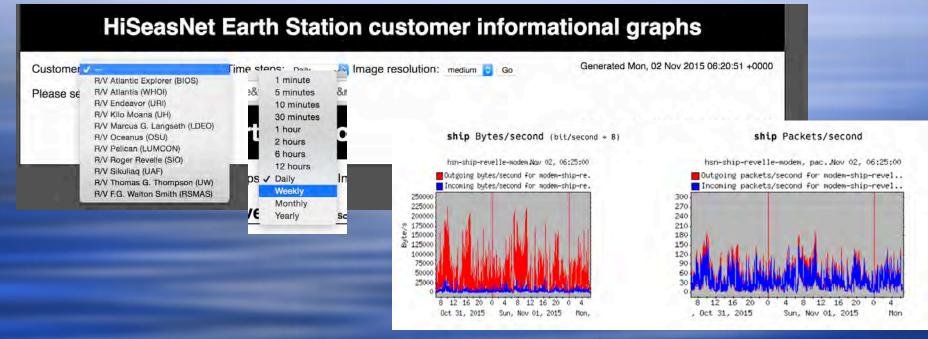


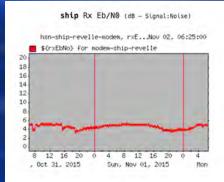
Northern Trans -Atlantic Ocean Ku-band Beam

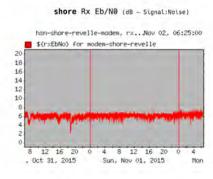
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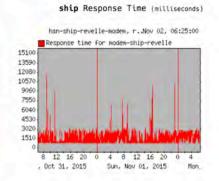
http://hiseasnet.ucsd.edu/customer/

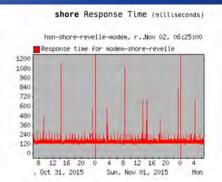








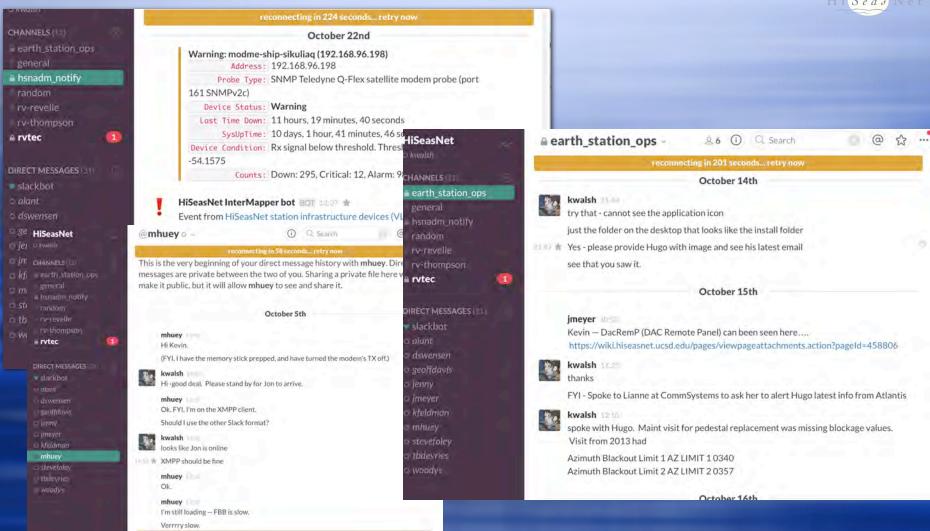




Slack -

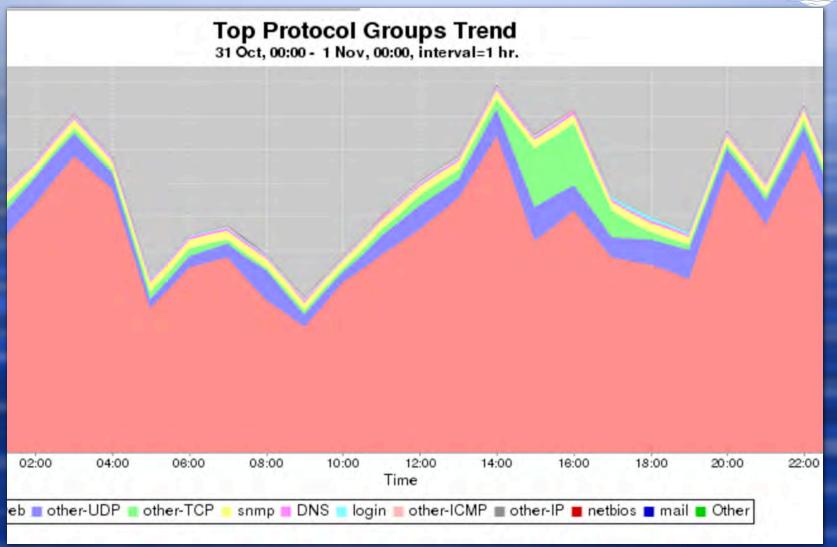
Collaboration and Situational Awareness





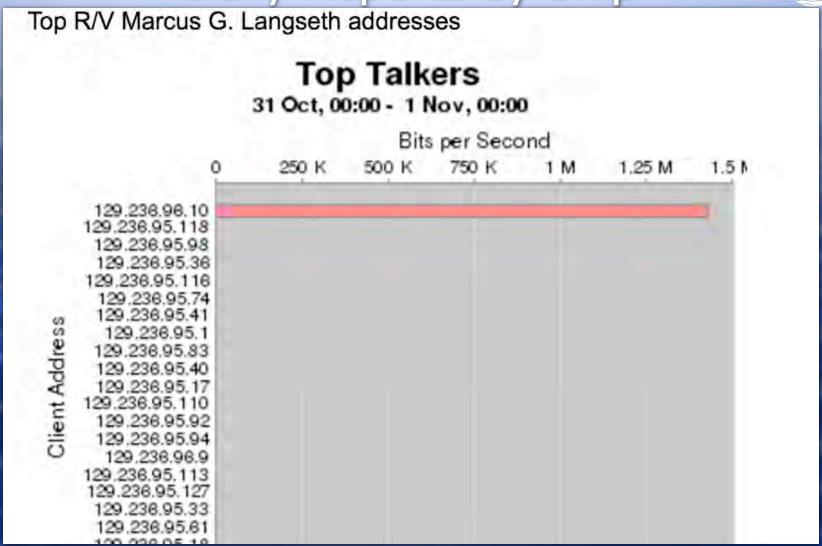
InMon Implementation





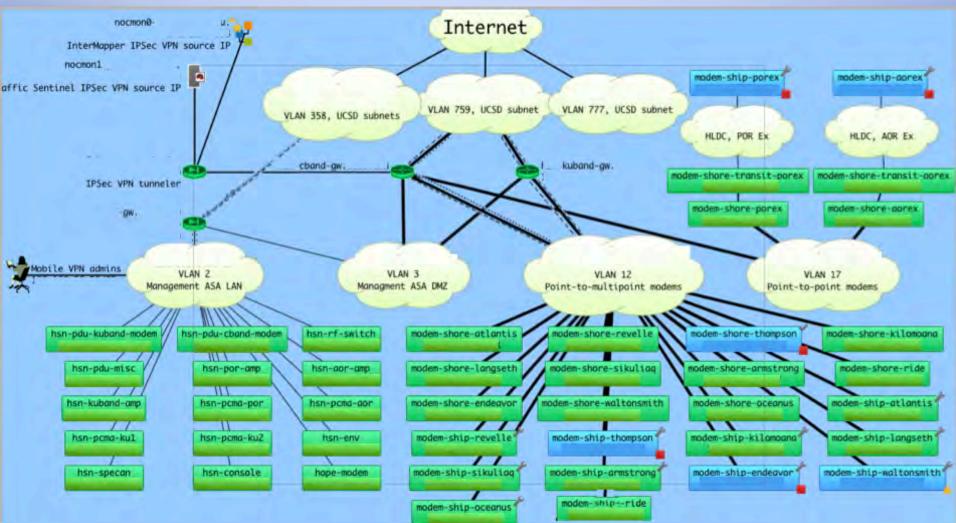
InMon– Daily Reports by Ship





HiSeasNet Layer 3 Conceptual Architecture





HiSeasNet Goals for 2017



- Matrix support with SIO STS
- Network Operations and Support
 - Life cycle replacements (modulo funding)
 - **♦** Radomes
 - **♦ LMR 600**
 - Bigger amps
- HiSeasNet Future Directions
 - Better integration with FBB and GX
 - Standardize reference architecture per class of vessel – reduction of variants
 - Engineer for increased bandwidth
 - Manage bandwidth as an end-to-end service
 - Routine system checks during mobilization
 - Continue to baseline systems and operations

Thanks for the reason why

on
out there was a reason.

I am a viking of some note.
Knut's my name and here I float.
Out on the sea in a great big boat.
And I'm the one who beats the drum in time.

To stroke the oars that drive our galleons on.

And while we rowed we had our song. And we had our god and it may seem odd.

But at least there was a cause.

Caught a wind and we upped the sail.

Lost two ships when it turned to a gale.

Down went a third when she rammed on a whale.

Though we despaired we could not fail. And through it all we never faltered.

Late at night I lay on the deck.
Wondering why I risk my neck.
Picture myself in a sinking wreck.
Ande down I'm going not knowing why.
I just can't quite recall the reason why.

It's such a drag to carry on
But there was a cause, but there was a
cause. But there was a reason.
Reason

If you like I'll be your viking.
Sit you down to a nordic meal.
Give you strength that you might wield.
A viking sword and a viking shield.
And off well sail in mighty ships of yore.

Perhaps we shouldn't let our hands get sore.

We need someone to pull the oars. And to do the chores.

So we need a cause, we need a reason, reason why

The "Viking Song"
Todd Rundgren
Something/Anything 1972