

# Simplified Voyage Data Recorders

(LAST REPORT – GROUP PURCHASE COMPLETE)

- **SHIPS:** Thompson, Revelle, Atlantis, Langseth, Kilo Moana, Melville, Knorr
- **TYPE:** Furuno VR-3000S
- **ORDERED:** November 2007
- **RECEIVED:** January 2008
- **Installation Requirements:** In the case of cargo ships of 3,000 gross tonnage and upwards but less than 20,000 gross tonnage constructed before 1 July 2002, at the first scheduled dry-docking after 1 July 2007 but not later than 1 July 2010;

# GEOTRACES SYSTEM UPDATE

- Voyage completed on Knorr in July 2008
- Design completed & Modifications were made to Knorr in March 2009:
  - Stanchion added in Thruster Room to increase support to Trawl Crane Crutch
  - Strengthening of Trawl Crane Crutch
- Design completed & fabrication on-going for transition foundation between winch and deck.

## GEOTRACES SYSTEM UPDATE

- Design Dwgs approved by ABS Houston & USCG Marine Safety Center
- Installations conducted in the presence of ABS Surveyors & USCG inspectors
- Voyage schedule to depart HI on 6 May 2009

## FUTURE

- 2009 SSSE Proposal included request to shift over-boarding method to integrated A-Frame
- Design to address integration with all

# Fleet Broadband Pilot Project

<b>SHIP</b>	<b>Antenna Purchased &amp; Received</b>	<b>Antenna Installed &amp; Operating</b>
Atlantis	√	√
Knorr	√	√
Oceanus	√	√
Sharp	√	√
Cape Hatteras	√	√
Atlantic Explorer	√	√
Revelle	√	√
Melville	√	√
New Horizon	√	√
Sproul	√	√
Wecoma	√	√
Endeavor	√	√
Point Sur	√	

# Fleet Broadband Pilot Project

- **Requested FBB Antennas in 2009:**

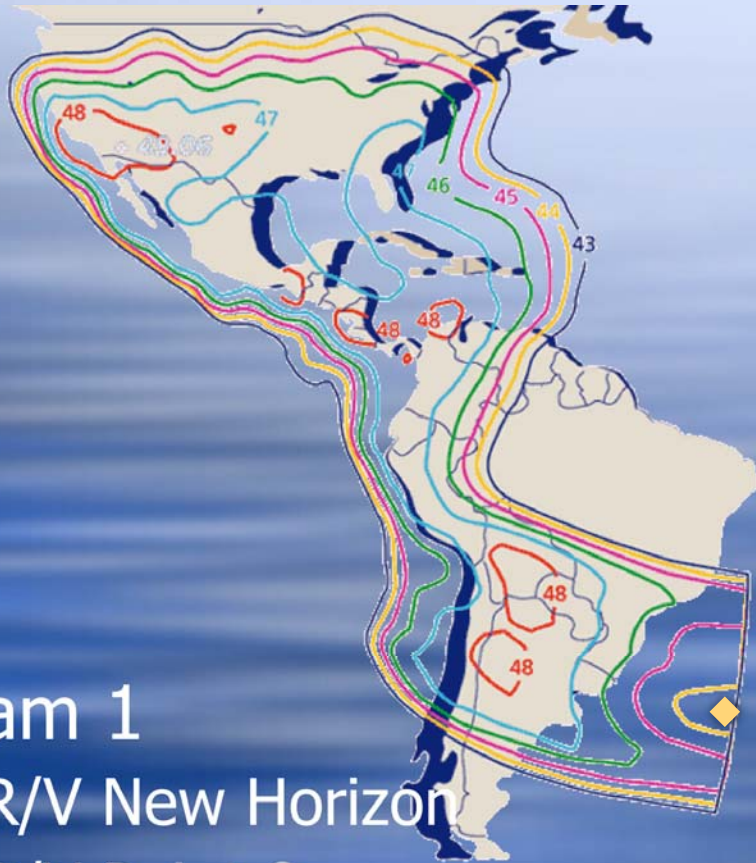
- Langseth
- Thompson
- Clifford Barnes

- **Invoice Processing and Tracking of Satellite Use continues at WHOI**

# Fleet Broadband Pilot Project

- **FBB Workshop in Woods Hole 19 May**
- **Netlimiter Monitor: Used to reduce background processing by 85%**
  - In one 10 hr period using this software and turning off background processes brought usage from 4.85 MB to .64 MB
  - Saved 12 MB in one 24 hr period.
  - Performance improvement ; bandwidth is not being stolen any more by background processes.

# Ku-Band Coverage (SatMex5)



- Beam 1

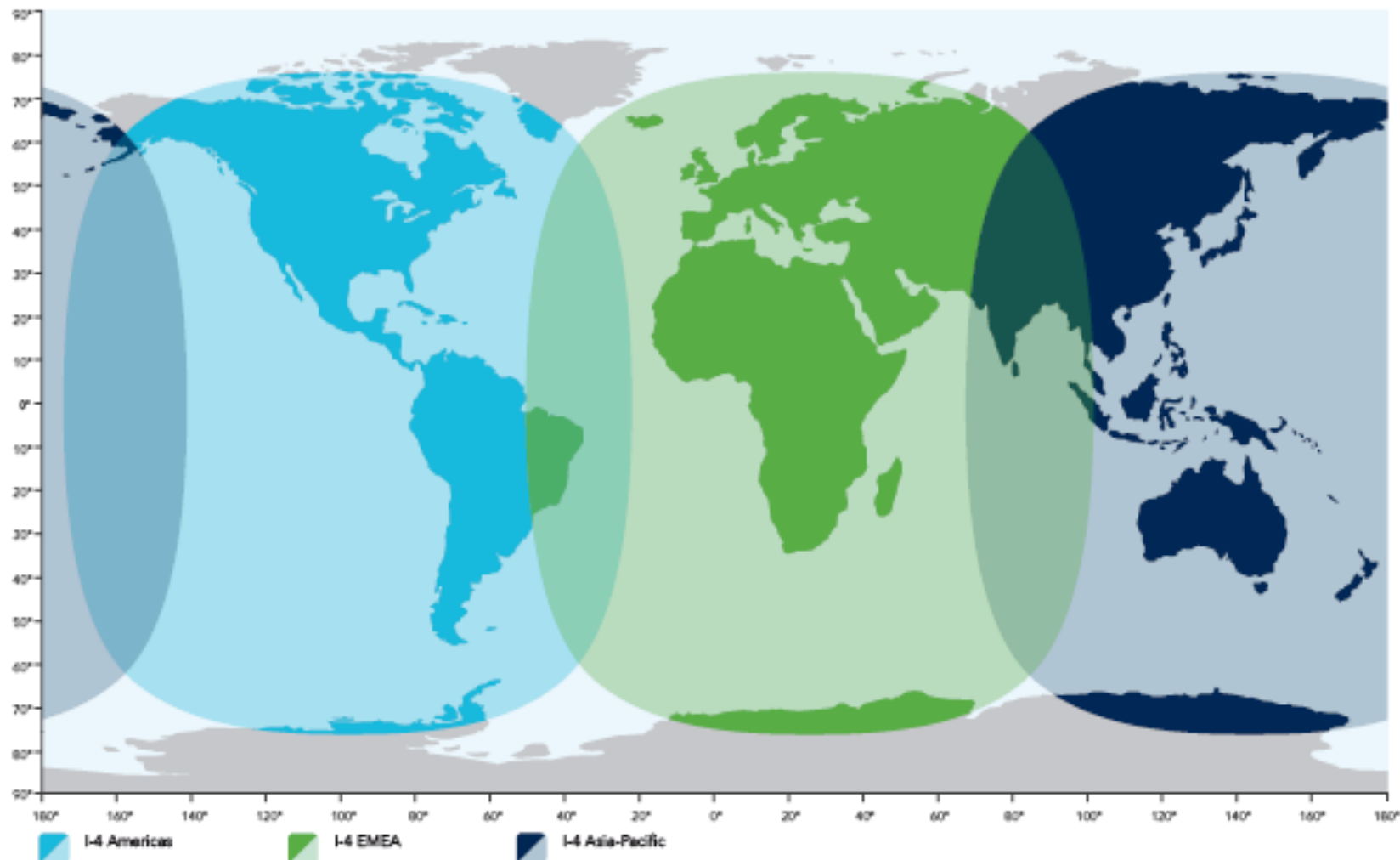
- R/V New Horizon
- R/V Point Sur
- R/V Wecoma

## Beam 2

- ◆ R/V Endeavor
- ◆ R/V Oceanus
- ◆ R/V Pelican
- ◆ R/V Walton Smith

February 24, 2009

## FleetBroadband I-4 satellite coverage - post repositioning



This map depicts Inmarsat's expectations of coverage post repositioning of its I-4 satellites. This map does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions.