

Ship of Opportunity Programme SEAS US National Report



**Gustavo Jorge Goni
NOAA/AOML
Miami, FL
Gustavo.Goni@noaa.gov**

**Fifth Meeting of the JCOMM Ship Observations Team (SOT)
18-22 May, Geneva, 2009**

Accomplishments

- **Transects:**

NOAA/AOML = Atlantic HD and FR, Pacific FR

SIO= Pacific HD

NOAA/NEFSC and AOML = Atlantic HD/FR (Oleander Project)

- **Data transmission**

100% AOML and SIO RT data transmission into GTS

Maintaining software for RT/DT SEAS and non-SEAS data monitoring

- **Software development**

Implementation of Iridium in SEAS XBT and TSG transmissions

Devil card tested in lab with SEAS software

- **Hardware development**

New autolauncher for Deep Blue and Fast Deep probes

Accomplishments

- **Data Management:**

Improved VQC software
BUFR test

- **XBT Collaboration**

Logistics

South Africa: AX25, AX08

Brazil: AX97

Argentina: AX18

Probes

IRD/ Noumea

IRD/Brest

FURG/Brazil

BOM/Australia

- **Transmissions:**

Aid NIO (India) to place data into GTS

Accomplishments

- **TSG collaboration:**

SAS M/V Explorer

NOAA fleet RT transmissions

SeaKeepers

- **Scientific participation**

FRE workshop

Strong emphasis on AMOC studies (AX18, AX07)

5 manuscripts published using XBT observations

- **Training**

Ghana and Nigeria (2008, 2009)

NIO (2008)

- **Other**

SEAS support of USCG Search and Rescue

Annual SEAS XBT/TSG workshop

SEAS XBT transmissions into GTS

<http://www.aoml.noaa.gov/phod/goos/ldenxbt/index.php>

www.aoml.noaa.gov/phod/hdenxbt

<http://goos142.amverseas.noaa.gov/db/xbtplotapp.html>

Scripps High Resolution XBT/XCTD Network Site - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www-hrx.ucsd.edu/links.html

Getting Started file:///C:/Documents... Latest Headlines

Google scripps xbt high Search AutoLink AutoFill Send to... Settings

Sun Java System Communications Exp... NOAA/AOML State of the Ocean - Atl... Scripps High Resolution XBT/XCT...

SIO High Resolution XBT/XCTD Network Site

Home
Introduction
10m file info
AX22
IX15/21
IX28
PX06
PX08
PX09
PX10
PX25
PX30/31
PX31
PX34
PX37
PX38
PX40
PX44
PX50
PX81
Gallery
Links
Line definitions
Result
Posters
Bibliography
Acknowledging
HRX data

Shipping Companies:

Horizon Lines	Horizon Enterprise	PX44/PX10/PX37
Maersk Sealand	Maersk Auckland	PX06/PX31
Mediterranean Shipping Company S.A.	MSC Didem	IX15/IX21
Nippon Yusen Kaisha	NYK Nacre	PX25/PX81
Pacific Forum Line	Forum Samoa II	PX30/PX31
P&O Nedlloyd	PONL Mairangi	PX08
Seabulk International	Seabulk Pride & Arctic	PX38

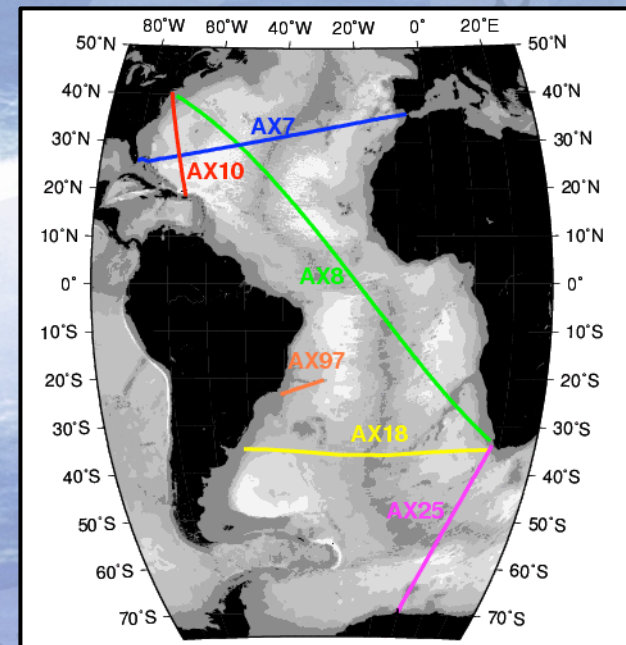
Probes:
Lockheed Martin Sippican, Inc.

Research Vessels:

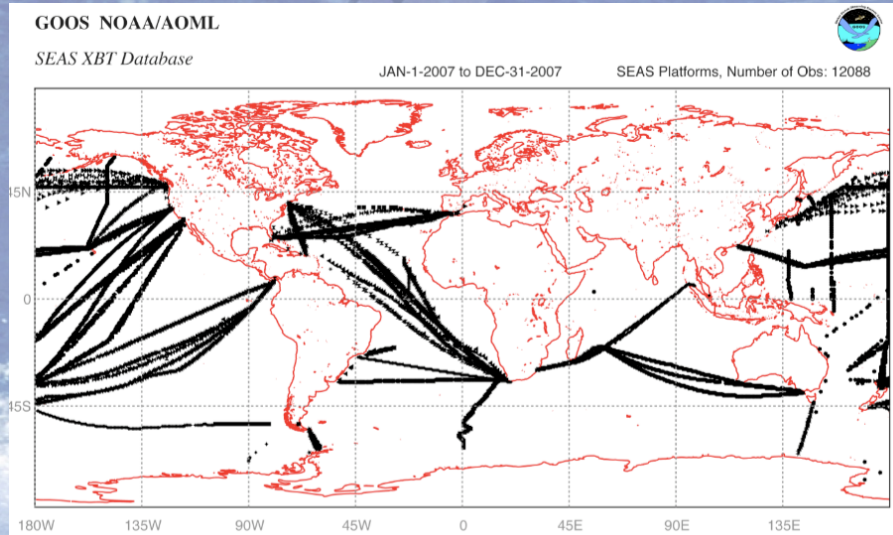
Kilo Moana	PX38
L'Astrolabe	IX28
Laurence M. Gould	AX22
R/V Nathaniel B. Palmer	PX50
USCGC Hickory	PX38

Related Interest:
Atlantic Oceanographic & Meteorological Laboratory (AOML) High Density XBT Lines
National Oceanographic Data Center (NODC)
National Oceanic & Atmospheric Administration (NOAA)
National Science Foundation (NSF)
Scripps Institution of Oceanography (SIO)
Argo

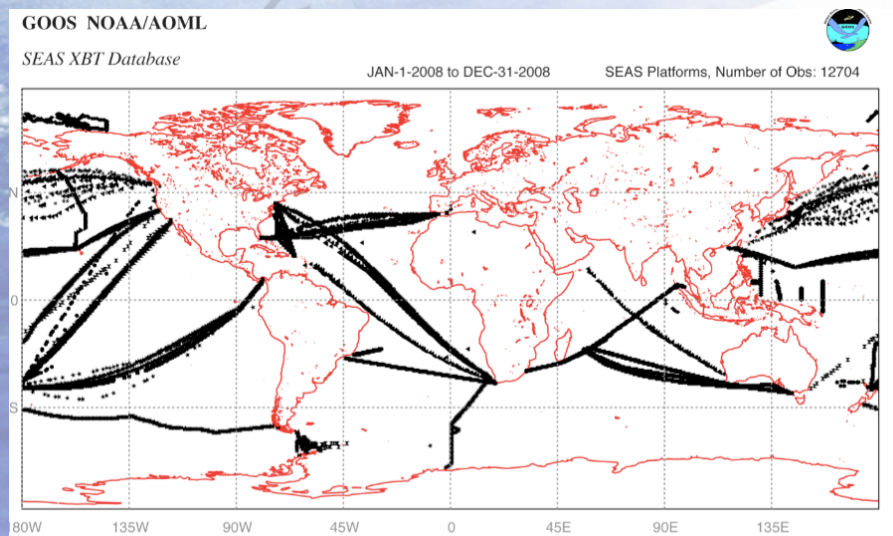
Done



SEAS XBT transmissions into GTS



2007 = 12,088 GTS transmissions



2008 = 12,704 GTS transmissions

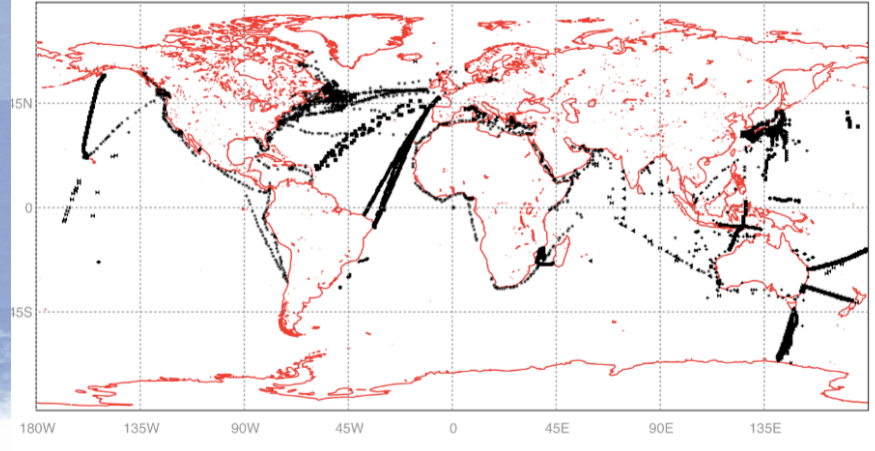
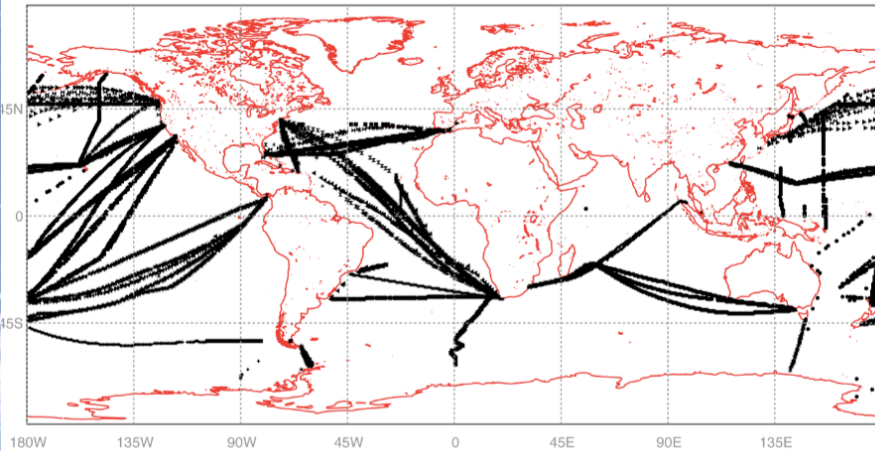
XBT transmissions into GTS

SEAS

non SEAS

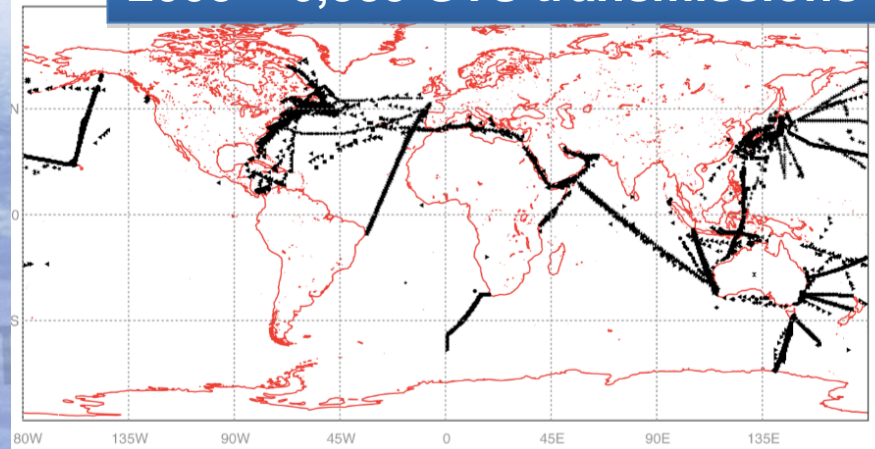
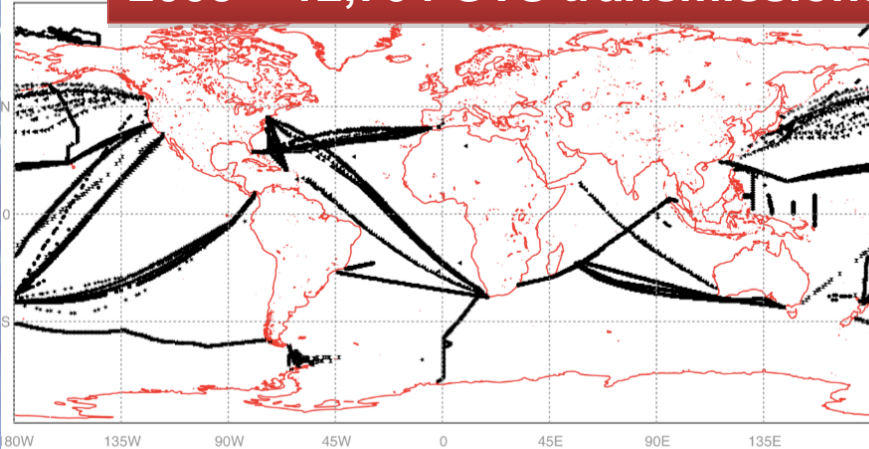
2007 = 12,088 GTS transmissions

2007 = 5,102 GTS transmissions

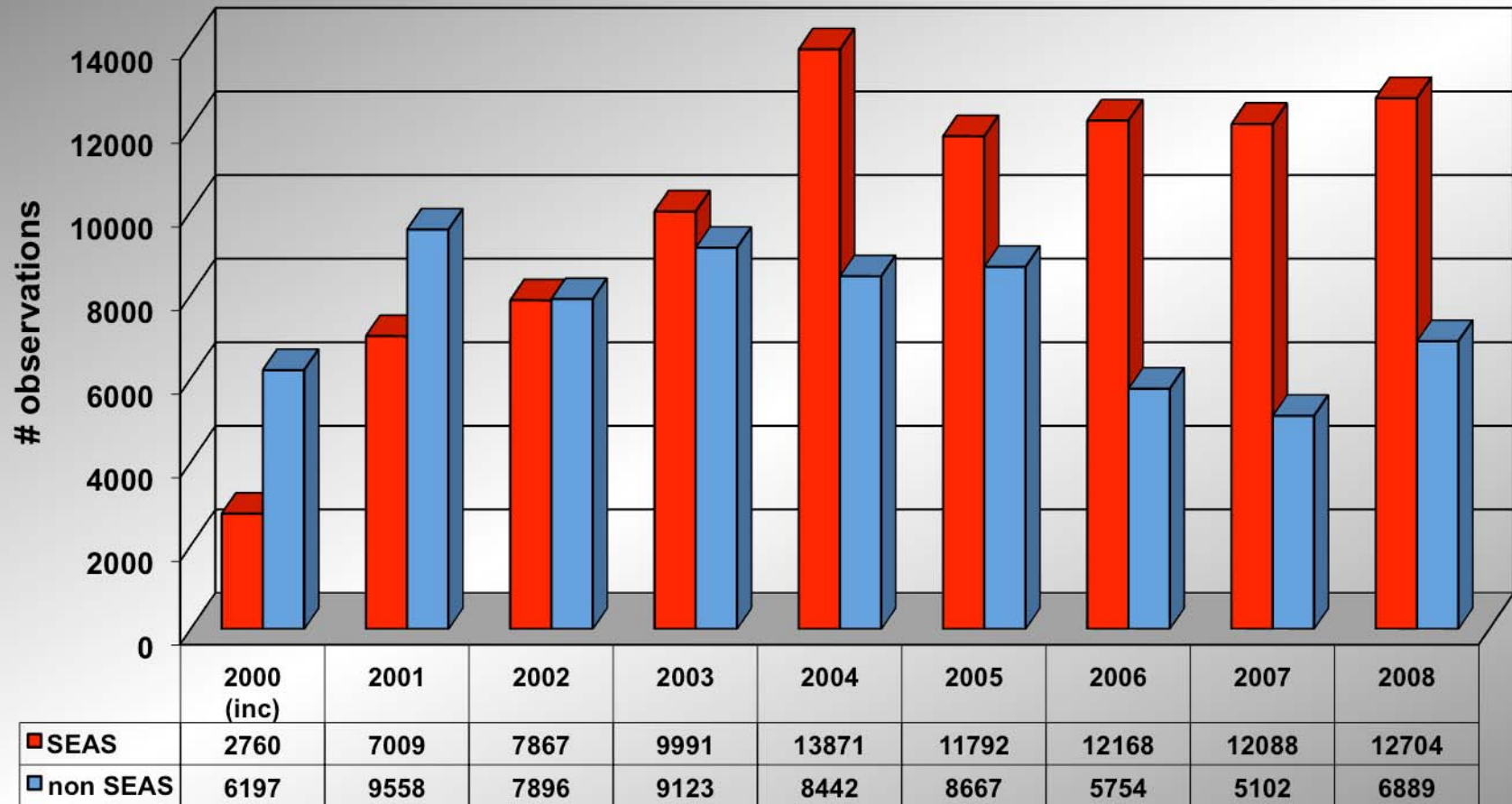


2008 = 12,704 GTS transmissions

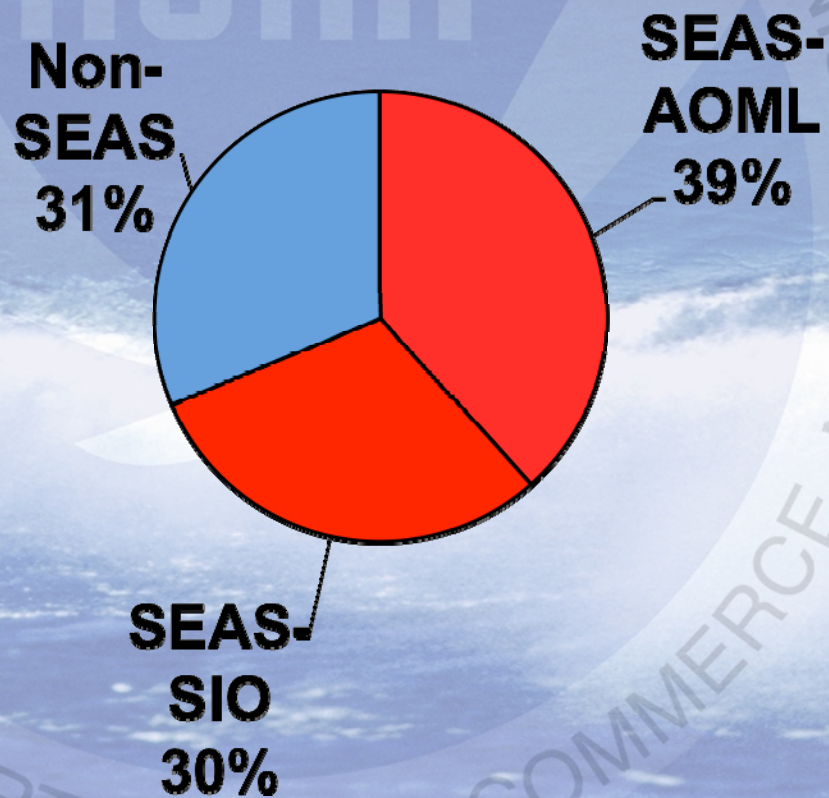
2008 = 6,889 GTS transmissions



SEAS and non-SEAS XBT transmissions into GTS



XBT GTS observations during 2006



SEAS Plans

- Continue improving TSG operations
- Inmarsat-C to Iridium migration, reducing significantly the transmission cost of each XBT profile.
- Testing of Argos transmissions.
- Testing and implementation of BUFR and Metadata.
- Recruiting: Pacific and Atlantic transects
- OceanObs09 CWP
- Plenty of involvement in SOT-V Action Items

