# Multibeam Status Focus Group

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**UNOLS RVTEC Meeting** 

BIOS November 2010

Ship	Manufacturer	Model	Frequency (kHz)	Swath Width (deg)	Ice	Status
Atlantis	SeaBeam	SB2112	12	120	N	Operational
Blue Heron	Reson	SeaBat 8101	240	150	N	Operational
Healy	Kongsberg	EM122	12	150	Y	Operational
Kilo Moana	Kongsberg	EM122	12	150	N	Operational
Kilo Moana	Kongsberg	EM1002	95	150	N	Operational
Knorr	SeaBeam	SB3012-P1	12	120	N	Operational
Langseth	Kongsberg	EM122	12	150	N	Operational
Melville	Kongsberg	EM122	12	150	N	Operational
Okeanos Explorer	Kongsberg	EM302	30	140	N	Operaional
Palmer	Kongsberg	EM120	12	150	Y	Operational
Revelle	Kongsberg	EM122	12	150	N	Operational
Ron Brown	Kongsberg	EM122	12	150	N	Operational
Sharp	Reson	SeaBat 8101	240	150	N	Operational
Sikuliaq	Kongsberg	EM710	70	140	N	Planned
Sikuliaq	Kongsberg	EM302	30	140	N	Planned
Thompson	Kongsberg	EM302	30	150	N	Operational
Thompson	Atlas	Hydrosweep DS	15.5	90	Y	Down
Updated: 2010-11-12	Comments to Dale Chayes		20			

http://www.ldeo.columbia.edu/~dale/projects/multibeam-support/

#### Outline

- Discussion at previous (2009) RVTEC
- Events since RVTEC 2009
- Healy SAT
- Discussion

# Ideas/talking points for UNOLS academic research fleet multibeam *improvement*

UNOLS RVTEC November 20, 2009

## Goals (ideas)

- Improve quality of data
- Improve quantity of data per year
- Stabilize maintenance costs

13 words (Meeting Marc's challenge of explaining "it" in less than 25)

#### Possible actions (1)

- Identify advisory group
- Propose a plan to NSF
- Improved communications w/ vendor (KUTI)
- Raise the understanding/skill level in the operating community
- Negotiate a fixed price/year maintenance agreement
- Evaluate "depot" spares arrangement

### Possible actions (2)

- Establish and maintain a patch test site/clearing house (web)
- Develop & maintain accurate configuration documentation/ship
- Document best practices (installation, operation, maintenance...)
- Evaluate "depot" spares arrangement

### Possible actions (3)

\*Coordinate hands-on education/ training events (underway during transits) for our at-sea technical personnel

#### Events in 2010

(that I'm aware of)

- Meeting at NSF (June 16, 2010)
  ftp://ftp.soest.hawaii.edu/pjohnson/NSF\_Multibeam\_Workshop/
- Healy EM122 install and acceptance
- Langseth array issues
- Melville flap
- Thompson EM300 -> EM302 upgrade
- **3** ?



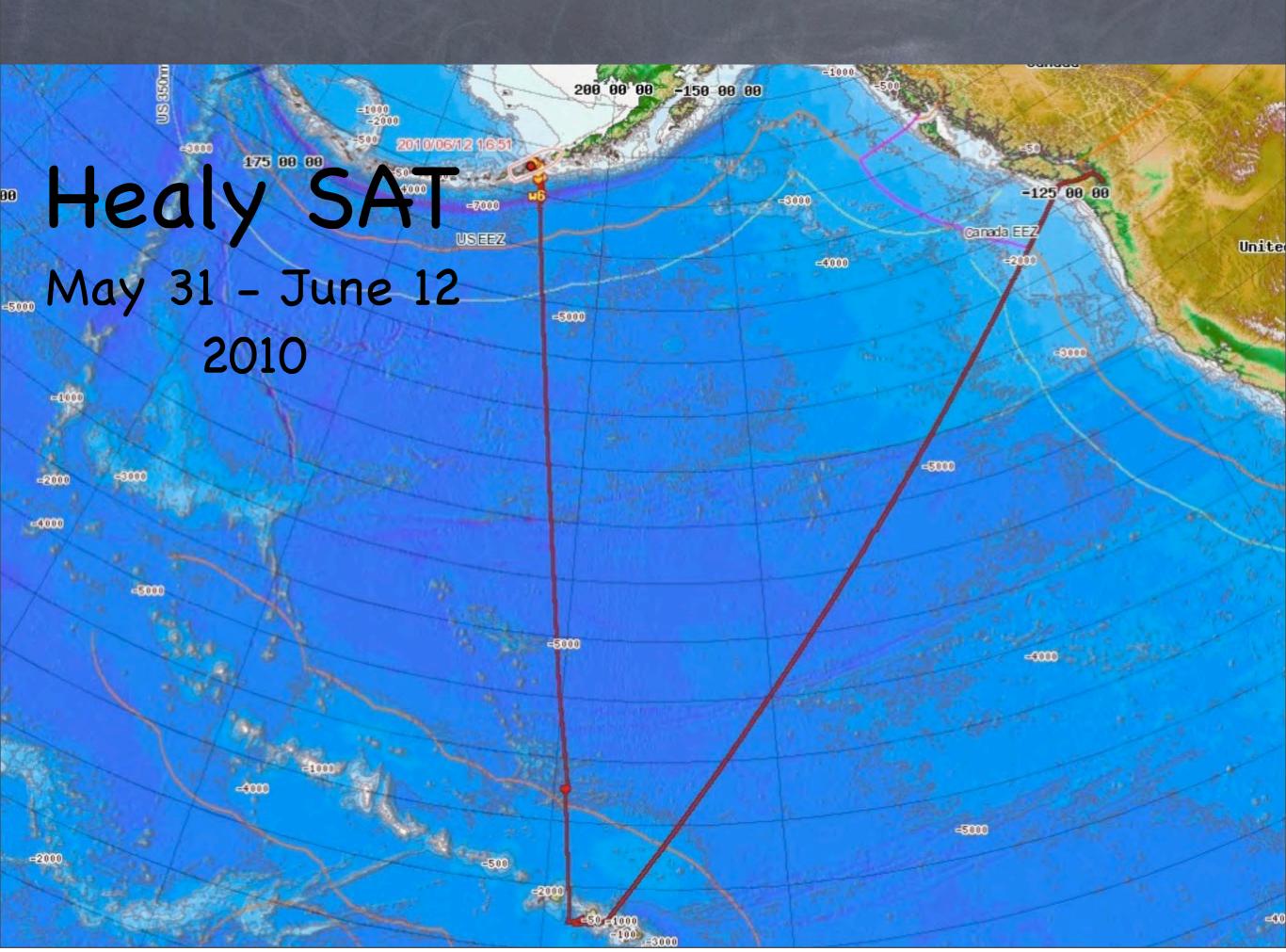


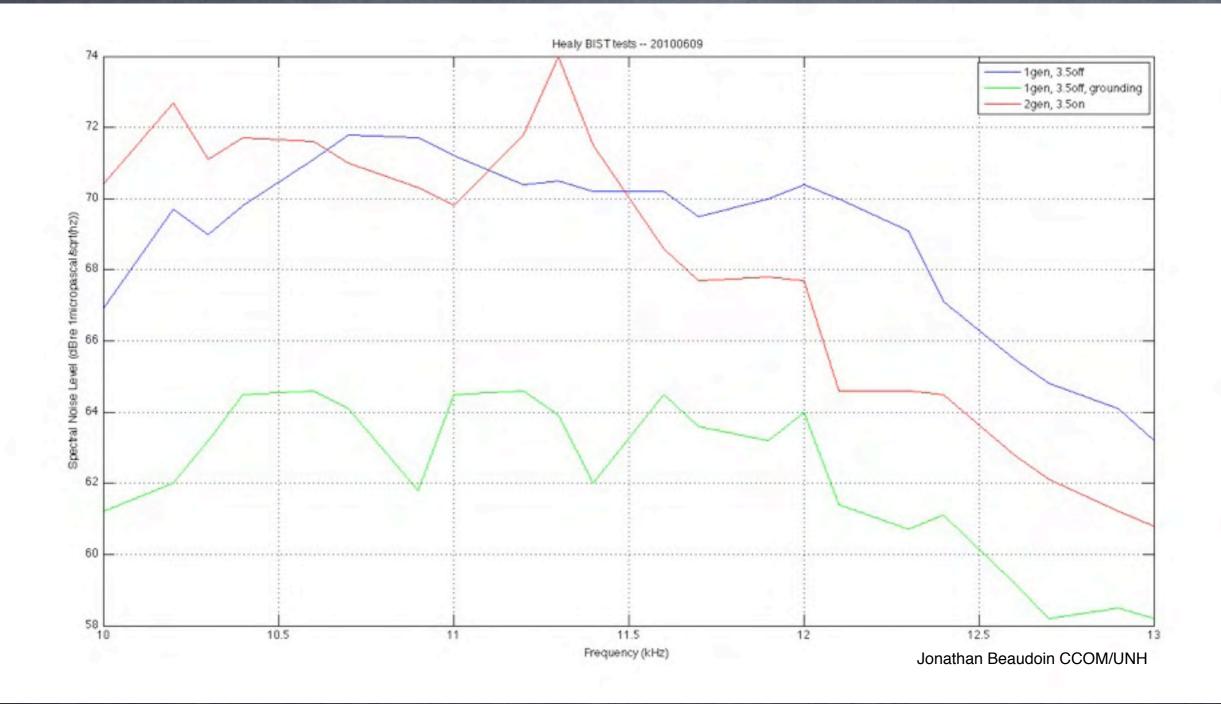
Monday, November 15, 2010



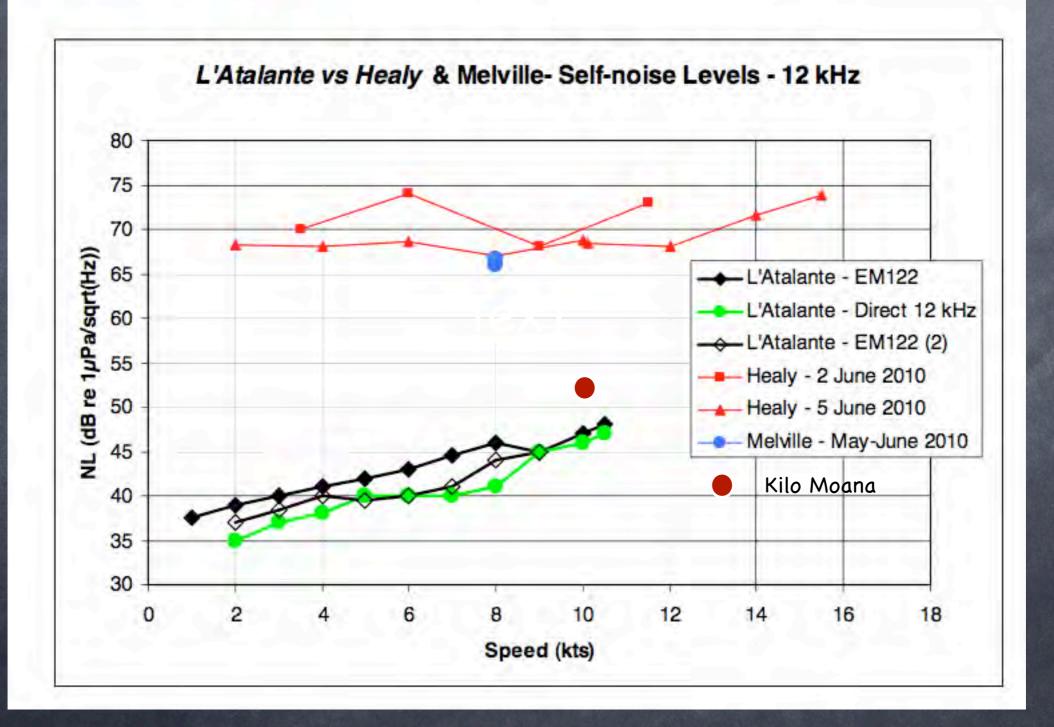
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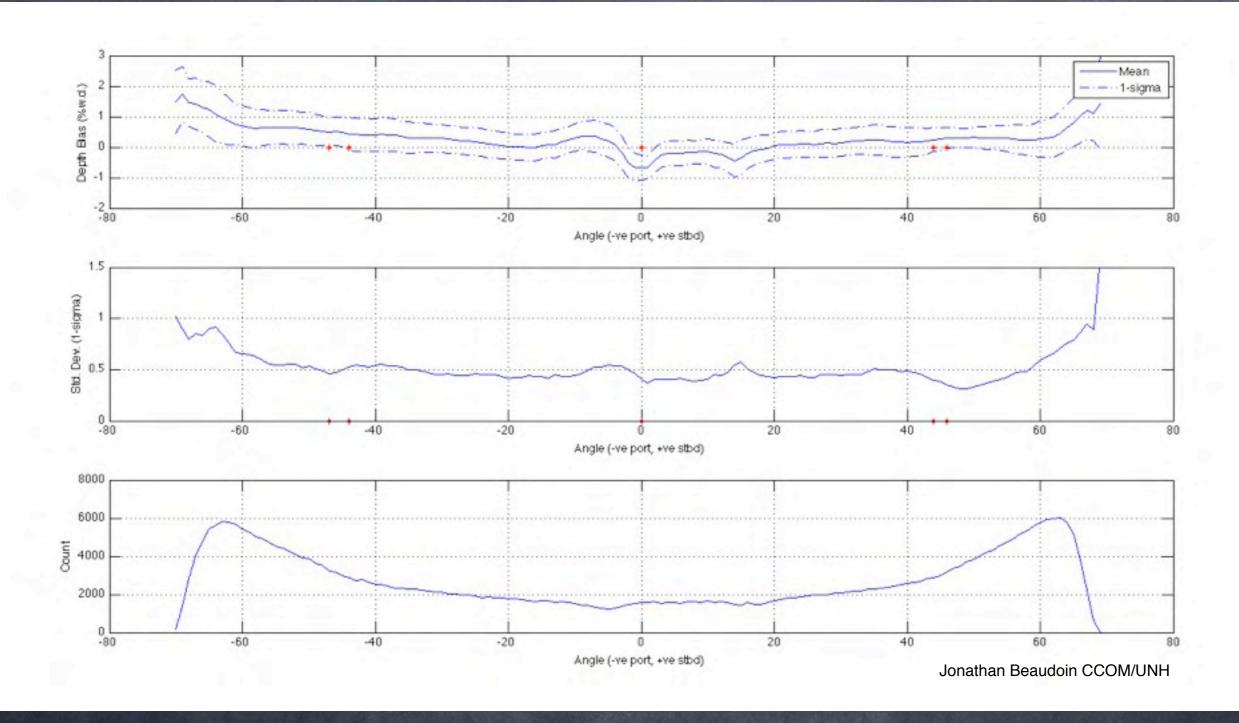
#### Ifremer Jean-Marie Augustin



#### HLY10TC EM122 SAT area 4 (~100m)



#### HLY10TC EM122 SAT area 4 (~100m)

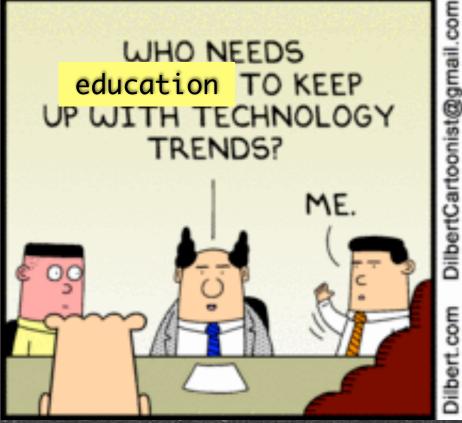


# How do you make an "easy to grasp" picture of complicated events?

http://www.ldeo.columbia.edu/~dale/projects/healy/timeline/local/local\_example.html

http://www.simile-widgets.org/

#### Discussion?







www.dilbert.com

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