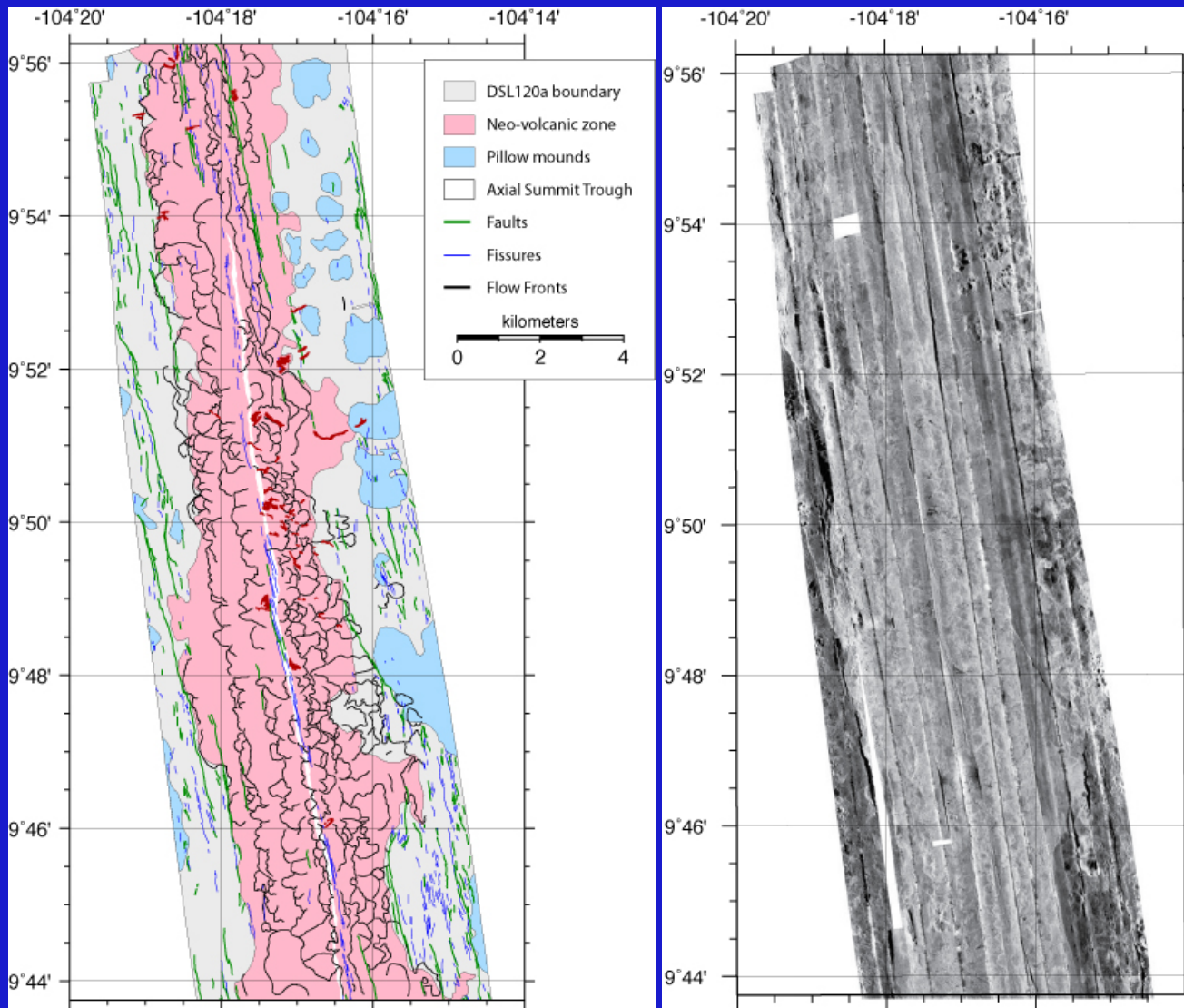


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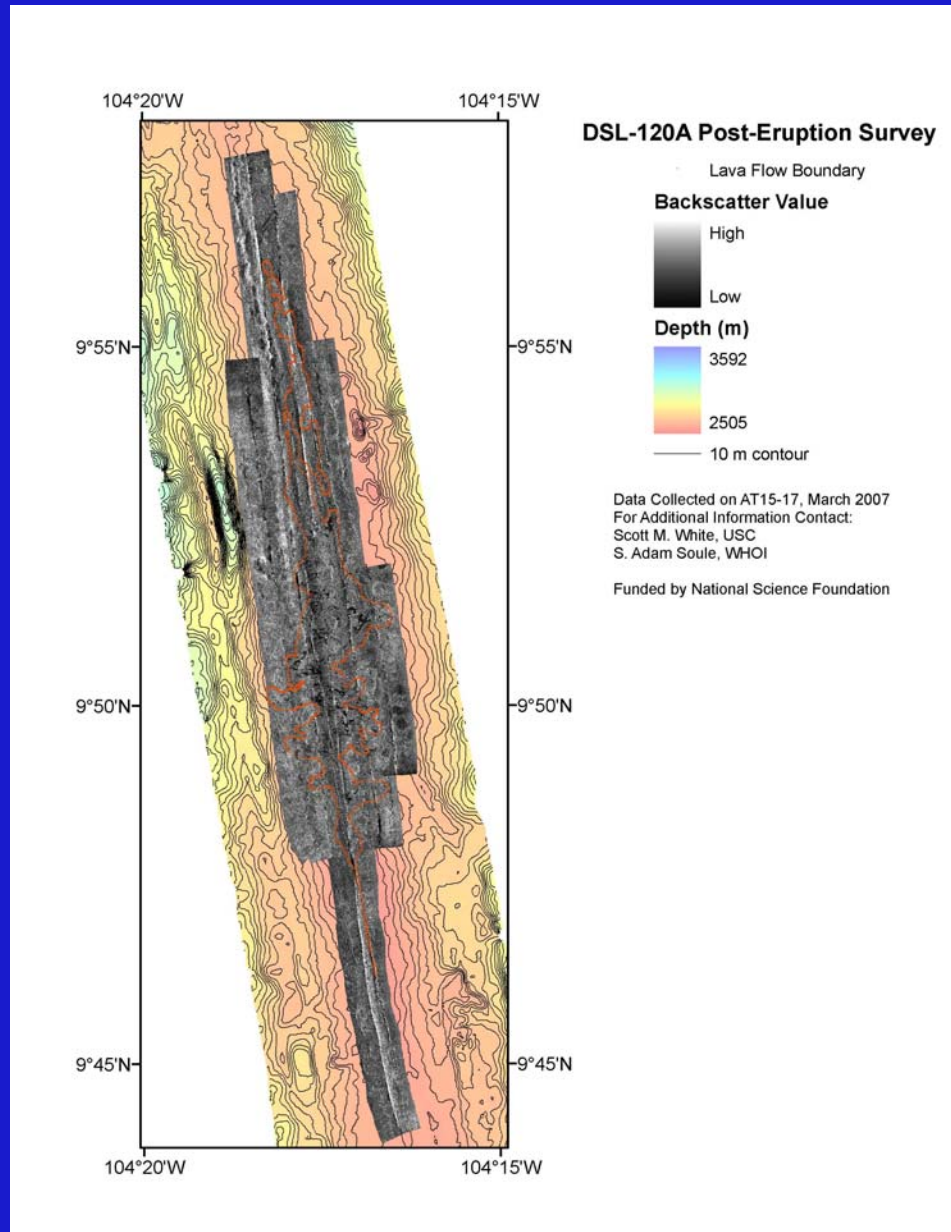
High-resolution mapping using sidescan and bathymetric sonars



Ridge2000
EPR ISS
Geological
Map
(in progress)

Adam Soule
& Dan Fornari
WHOI

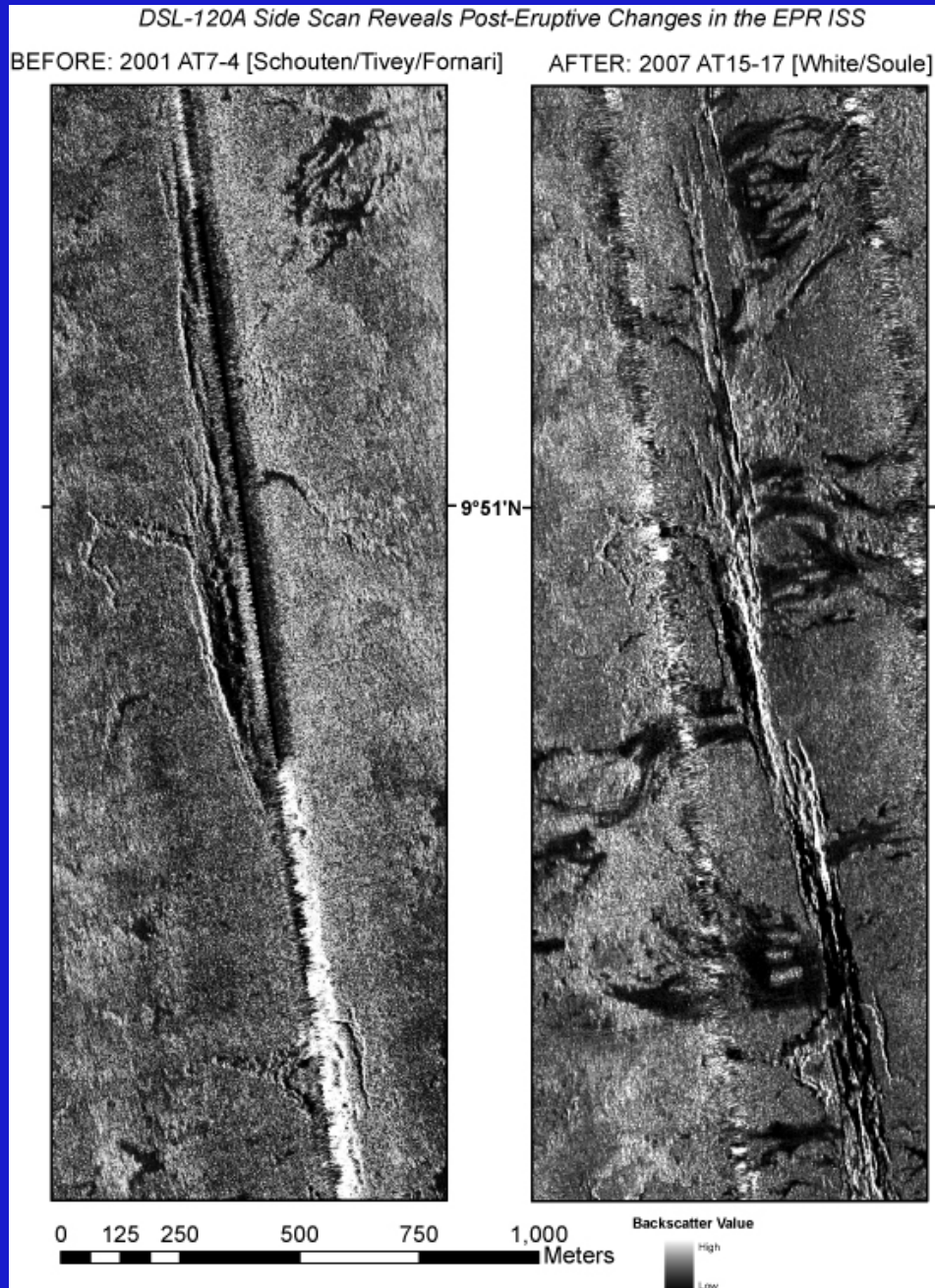
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EPR ISS
2005-2006
Eruption
Studies

Adam Soule
WHOI

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Ridge2000

EPR ISS

2001 and 2007

DSL-120a sidescan sonar
surveys

(Pre- & Post-Eruption)

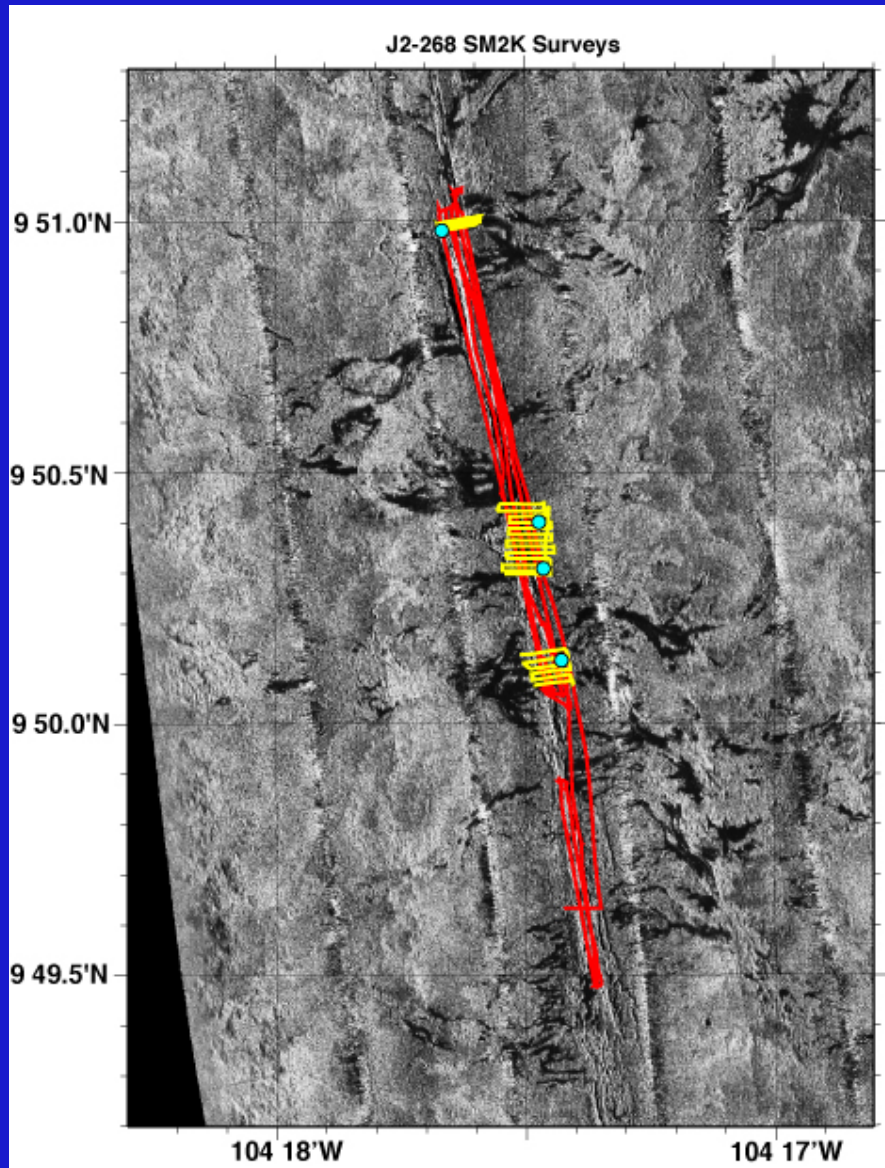
Scott White

U. South Carolina

& Adam Soule

WHOI

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Ridge2000

EPR ISS

SM2000 surveys

Red - AST surveys

Yellow - Benchmark surveys

Blue dots = Benchmarks

Adam Soule

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EPR ISS Benchmark AT15-17

Lettering is cut out of UHMW polyethylene panels.
Top marker panel flips up when deployed so it can be imaged vertically.

5cm (2") square reflective tape

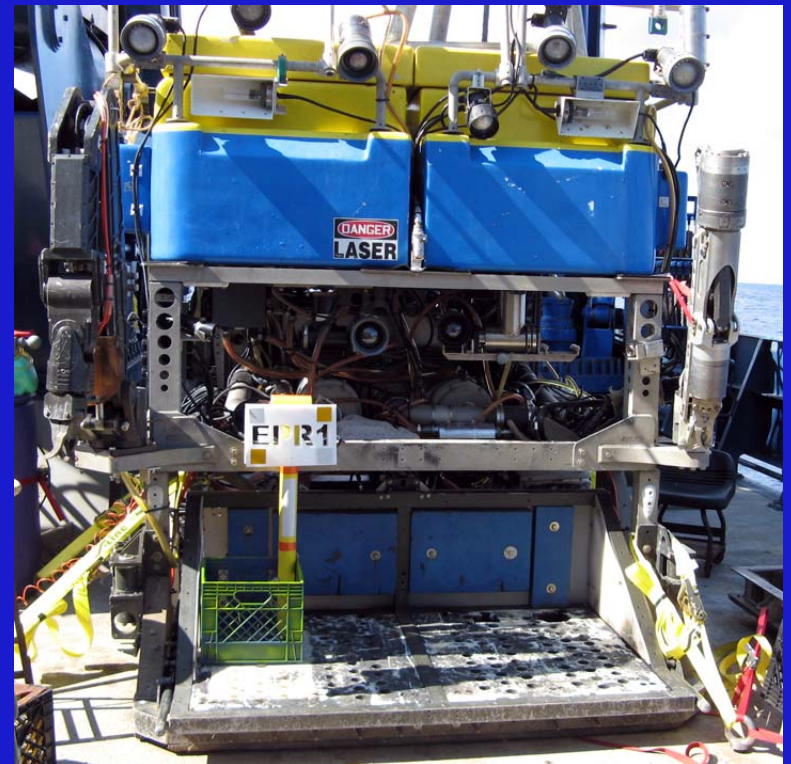


84cm
(33")

Ridge2000

EPR ISS

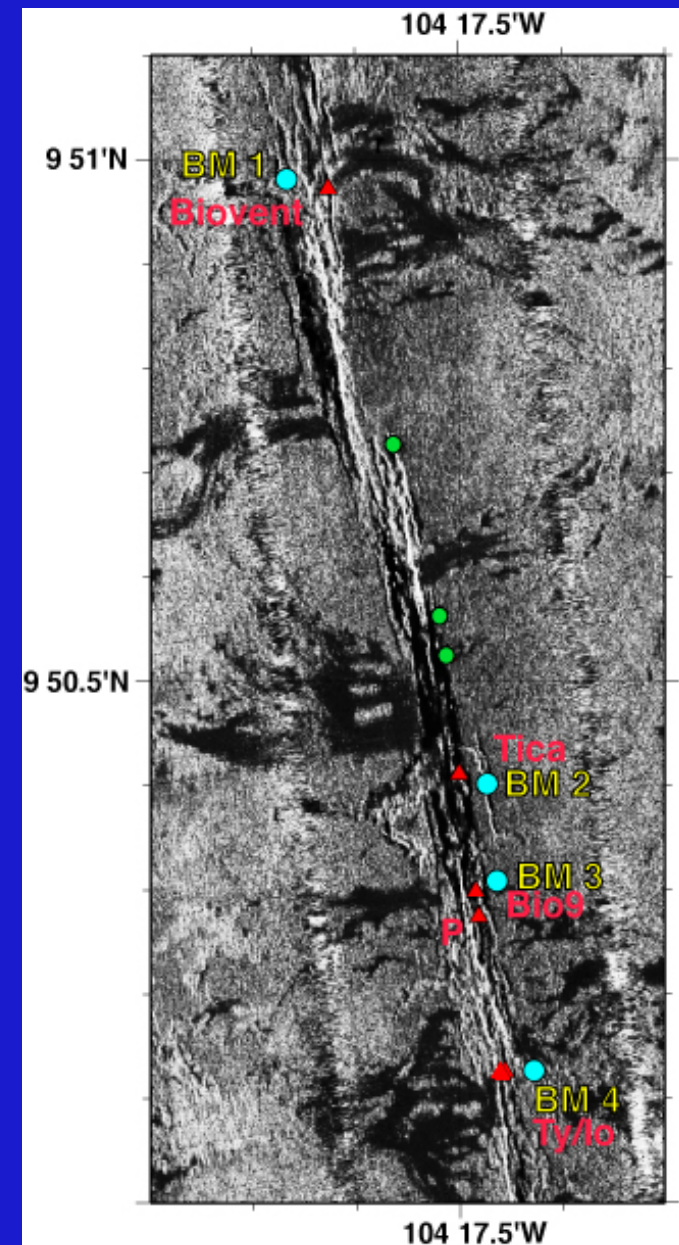
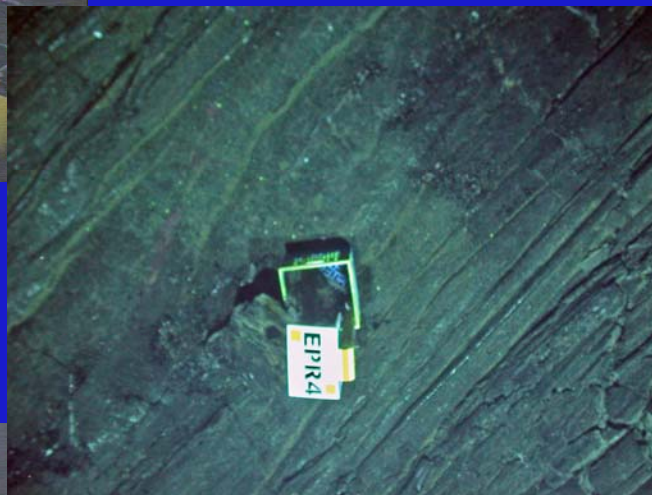
Benchmarks



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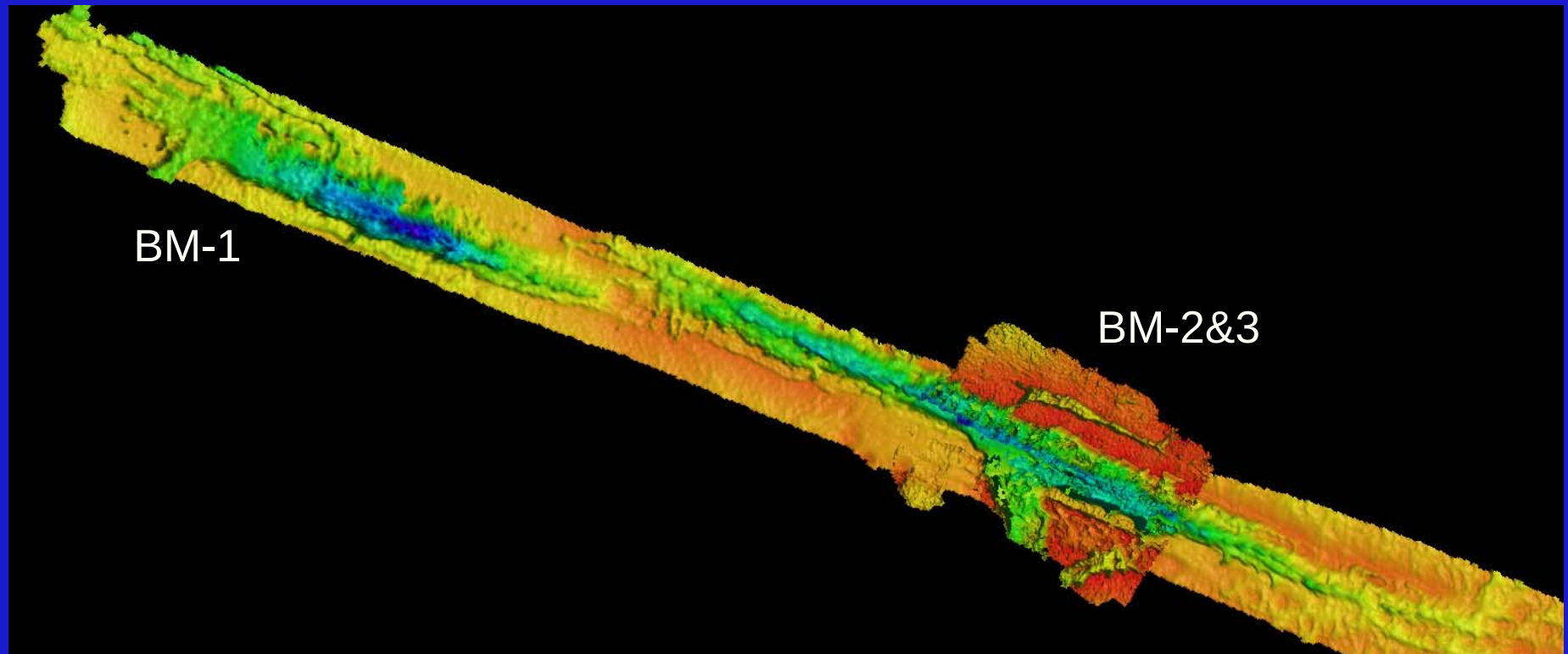
Ridge2000 EPR ISS

Benchmarks deployed



EPR-ISS Benchmark Surveys - AT15-17 - Jason2 Dive 268

Ridge2000 EPR ISS northern AST survey SM2000 Mapping



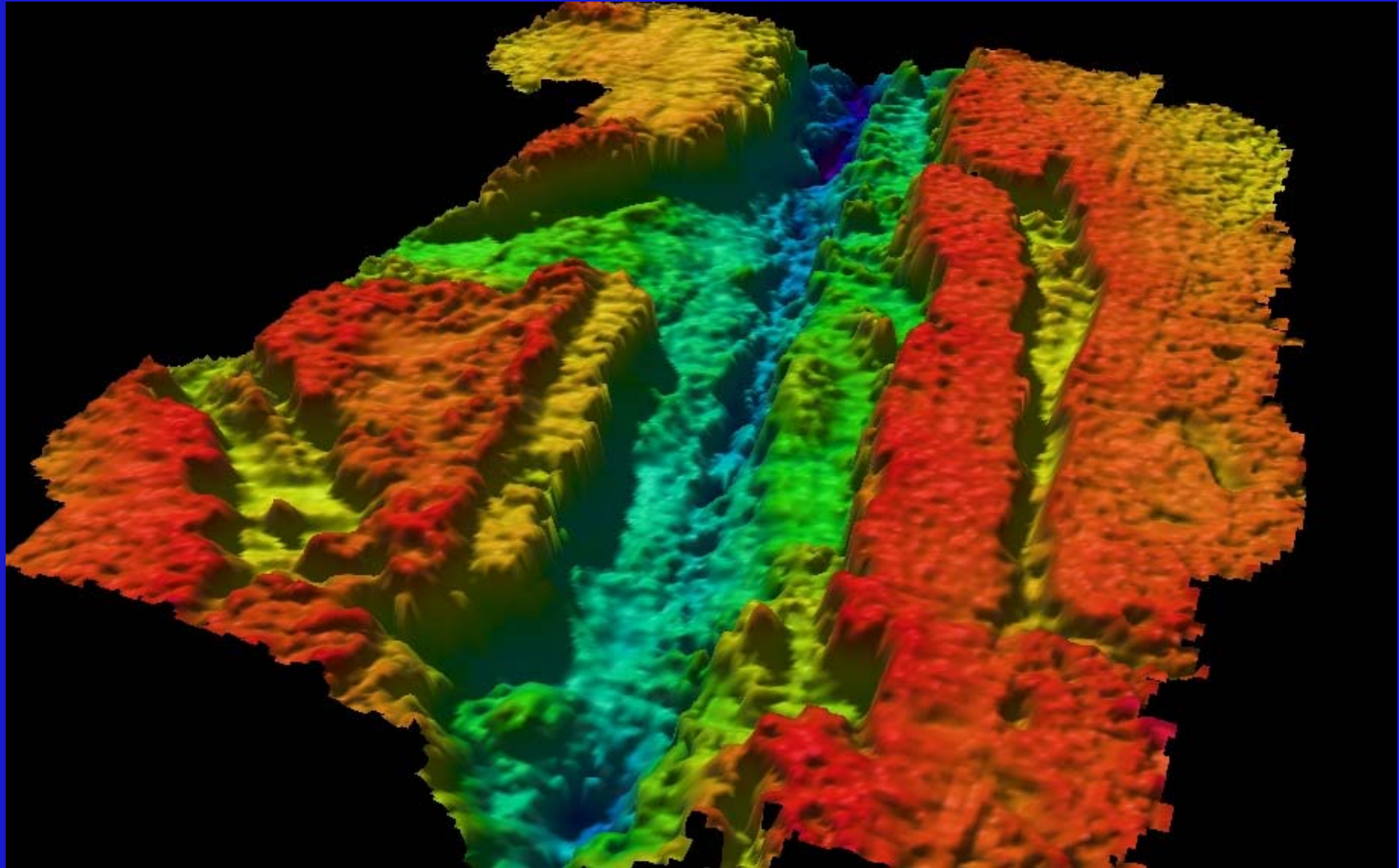
2.0 m grid

Adam Soule, Cindy Sellers
WHOI

Vicki Ferrini LDEO

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Ridge2000 EPR ISS Benchmarks 2-3 SM2000 Mapping



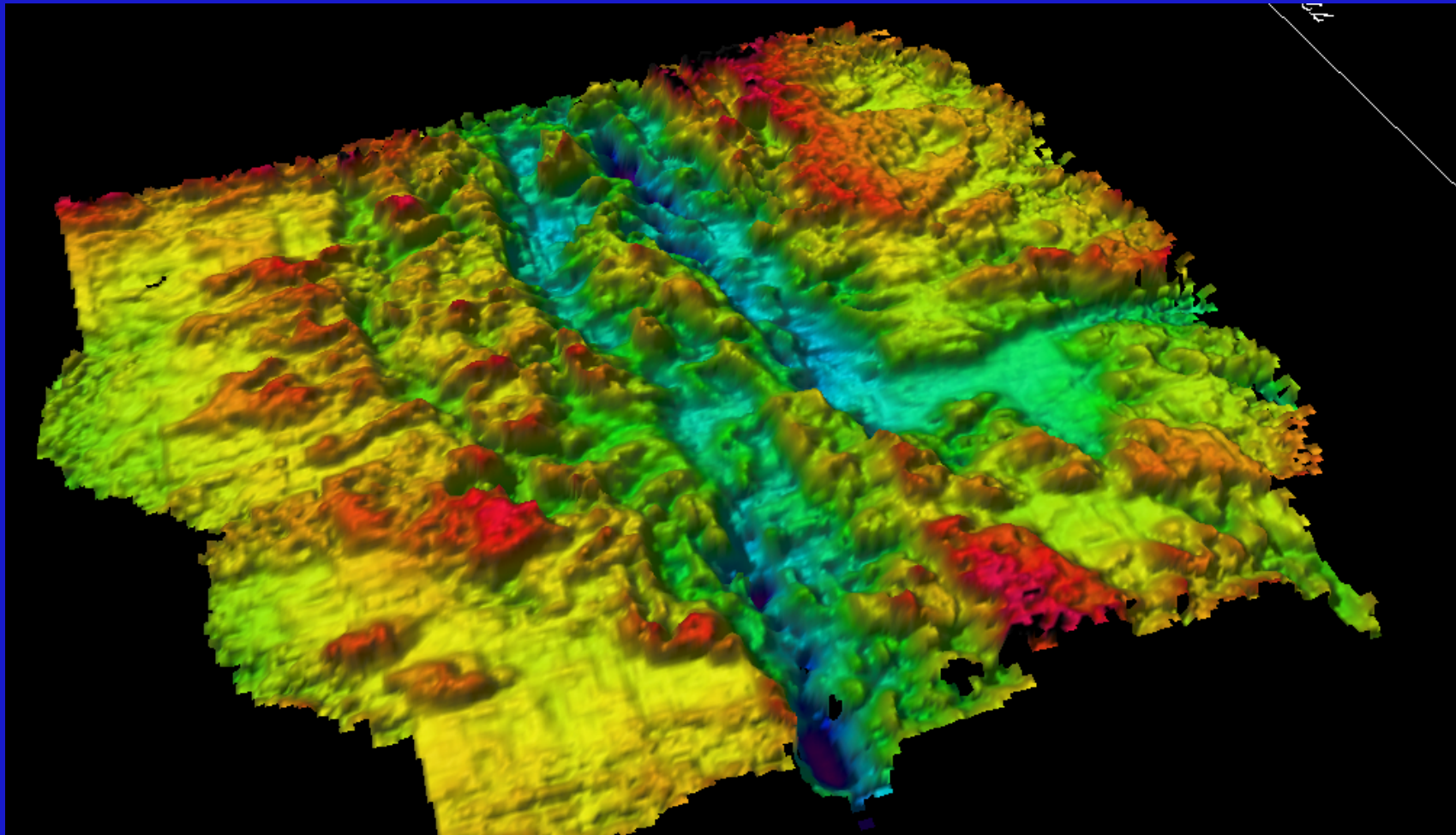
1.0 m grid

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Vicki Ferrini LDEO

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Ridge2000 EPR ISS Benchmark 4 SM2000 Mapping



0.75 m grid

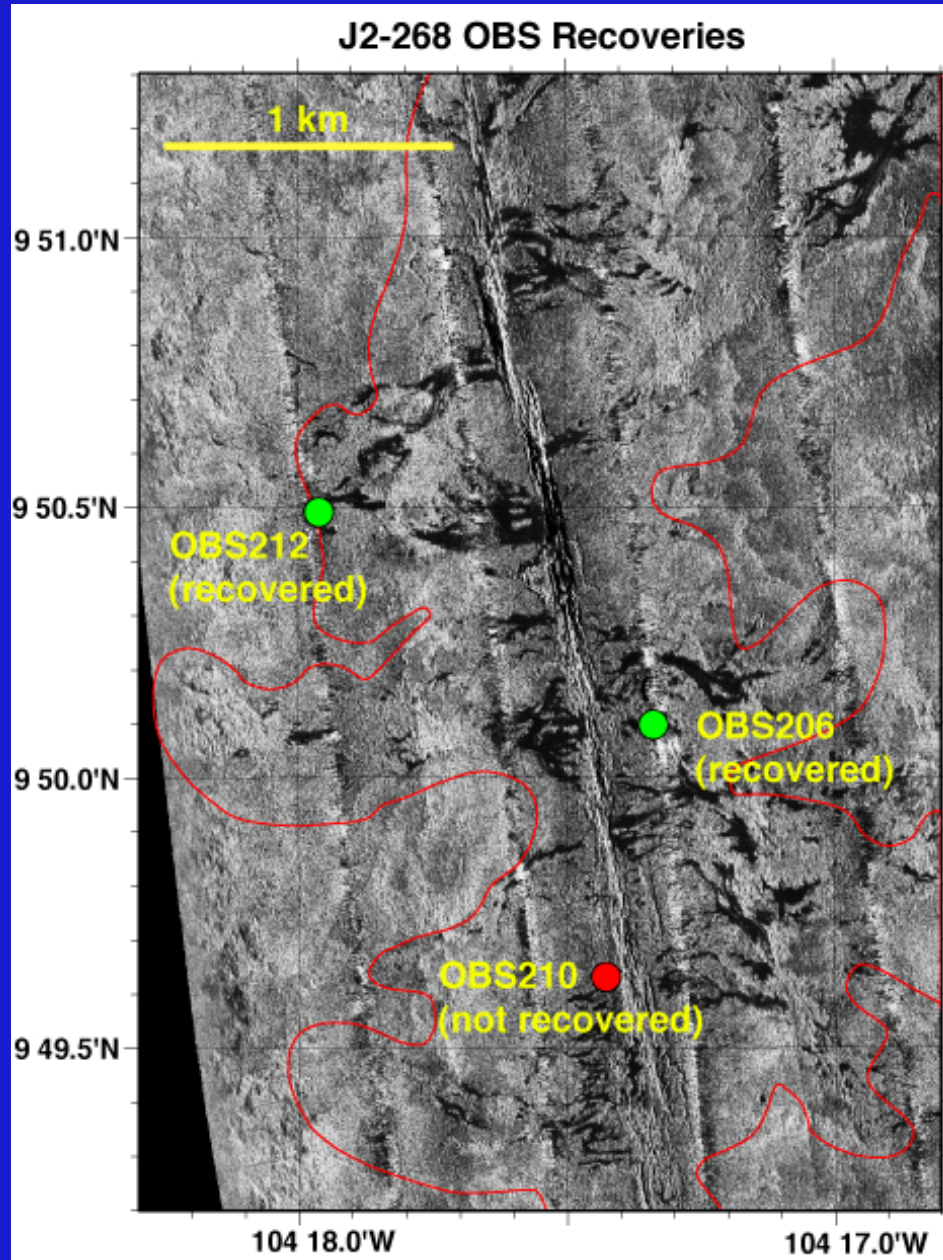
Adam Soule, Cindy Sellers
WHOI

Vicki Ferrini LDEO

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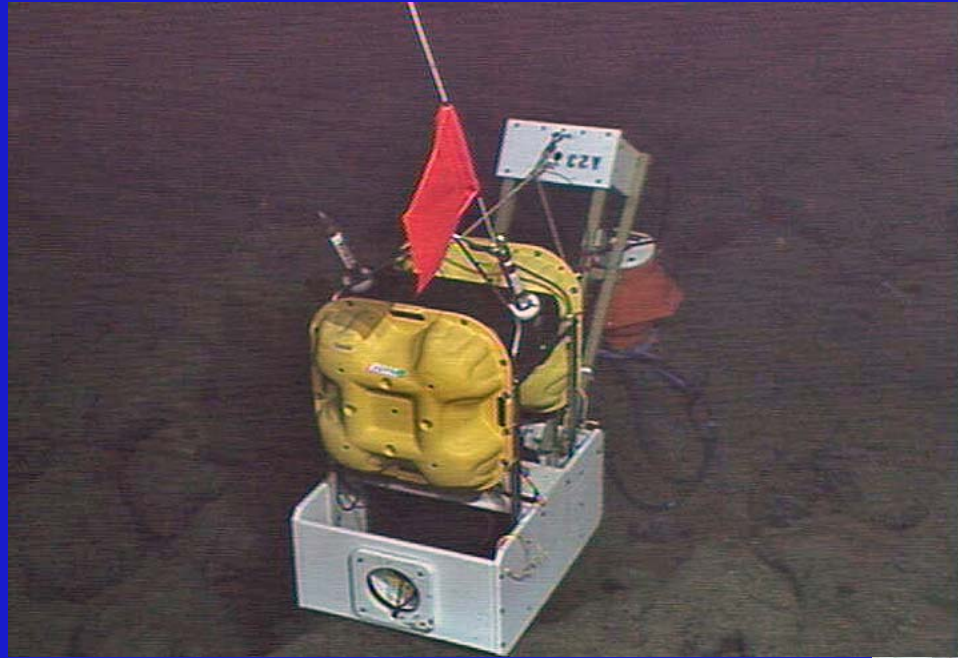
Ridge2000 EPR ISS

OBS recoveries



Oceanus article: <http://www.whoi.edu/oceanus/viewArticle.do?id=27286§ionid=1021>

EPR-ISS Benchmark Surveys - AT15-17 - Jason2 Dive 268



Ridge2000

EPR ISS

S. Webb

compliance
meter
recovery

