

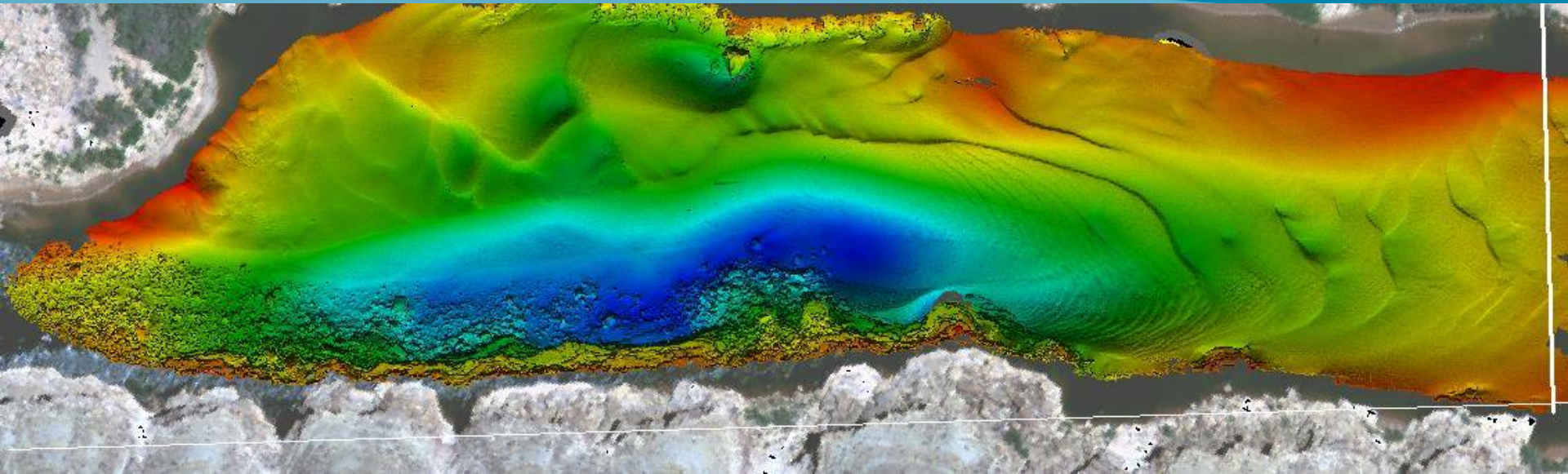
- Agosto 21, 2017

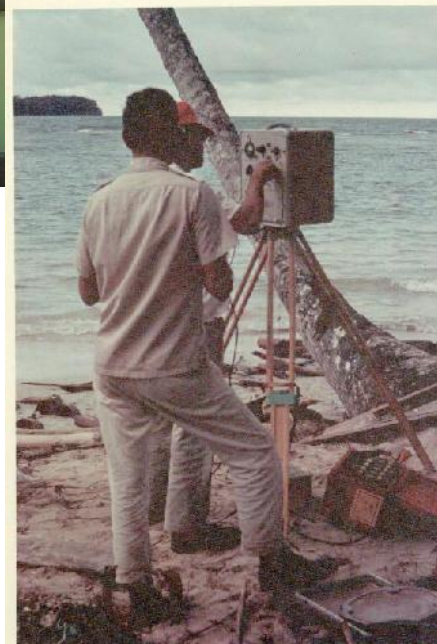
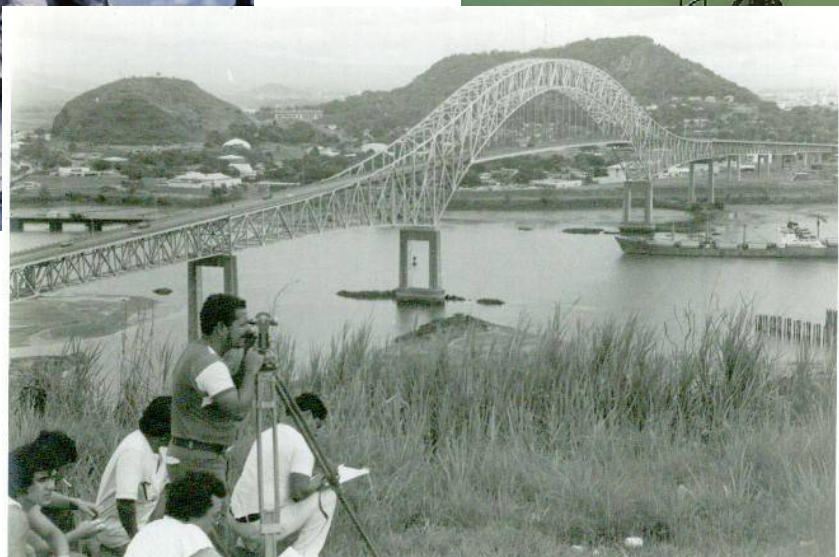
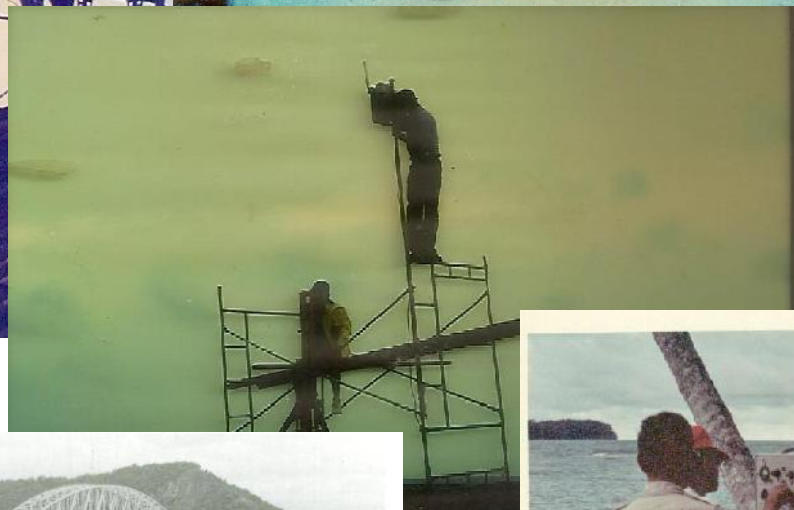


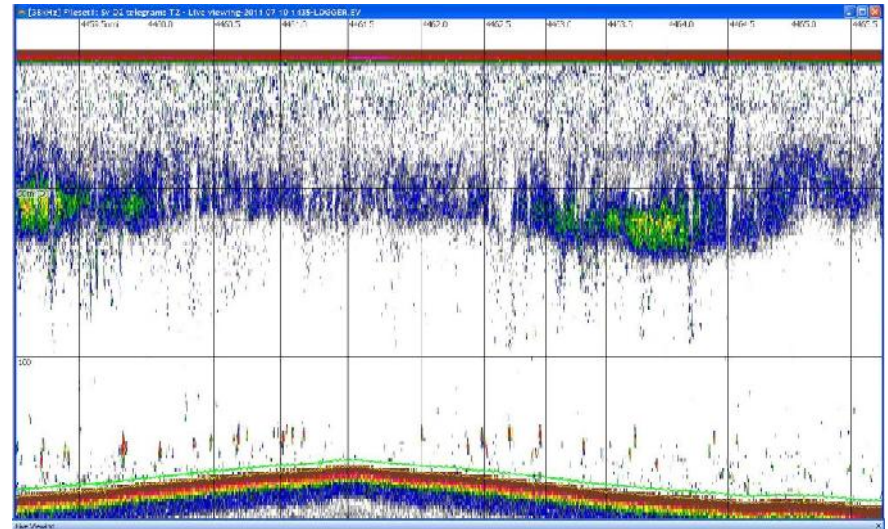
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Innovaciones para Levantamientos Hidrográficos

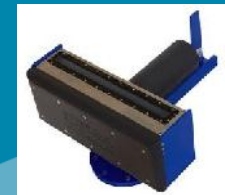
Carlos Tejada - Tech & Sales Coordinator for LA







Vida Fácil...





13. Ops Offshore



1. Cartografía Náutica



2. Defensa



3. Dragado



4. Represas & Embalses



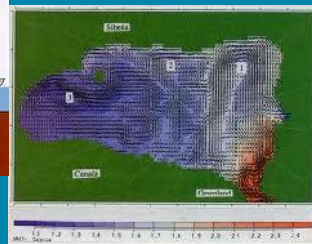
5. Rios



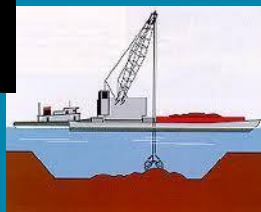
6. Investigación científica



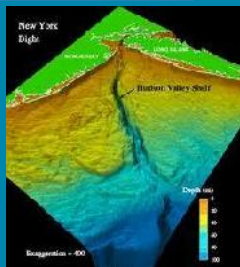
7. Ecología & Biología Marina



8. Oceanografía



9. Minería



10. Geología marina



11. Ingeniería de Costas



12. Puertos & Muelles

governments and coastal managers should assume the inevitability of a **seven-foot rise in sea level**. This number is not a prediction. But we believe that seven feet is the most prudent, conservative long-term planning guideline for coastal cities and communities, especially for the siting of major infrastructure; a number of academic studies examining recent ice sheet dynamics have suggested that an increase of seven feet or more is not only possible, but likely. Certainly, no one should be expecting less than a three-foot rise in sea level this century

[Orrin H. Pilkey, Rob Young, Sea Level Rise](#)



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Operación Neptuno

195,700 Personas

6,939 Embarcaciones

1,213 Buques de Guerra

4,126 Lanchas de Desembarco

736 Botes Auxiliares

864 Buques Mercantes

Tropas Aliadas desembarcadas 6/6/44

Aprox 156,000

El 6/11/44

326,547 Tropas

54,186 Vehiculos

104,428 Tons de pertrechos

Apoyo Aereo

11,590

14,674 Salidas

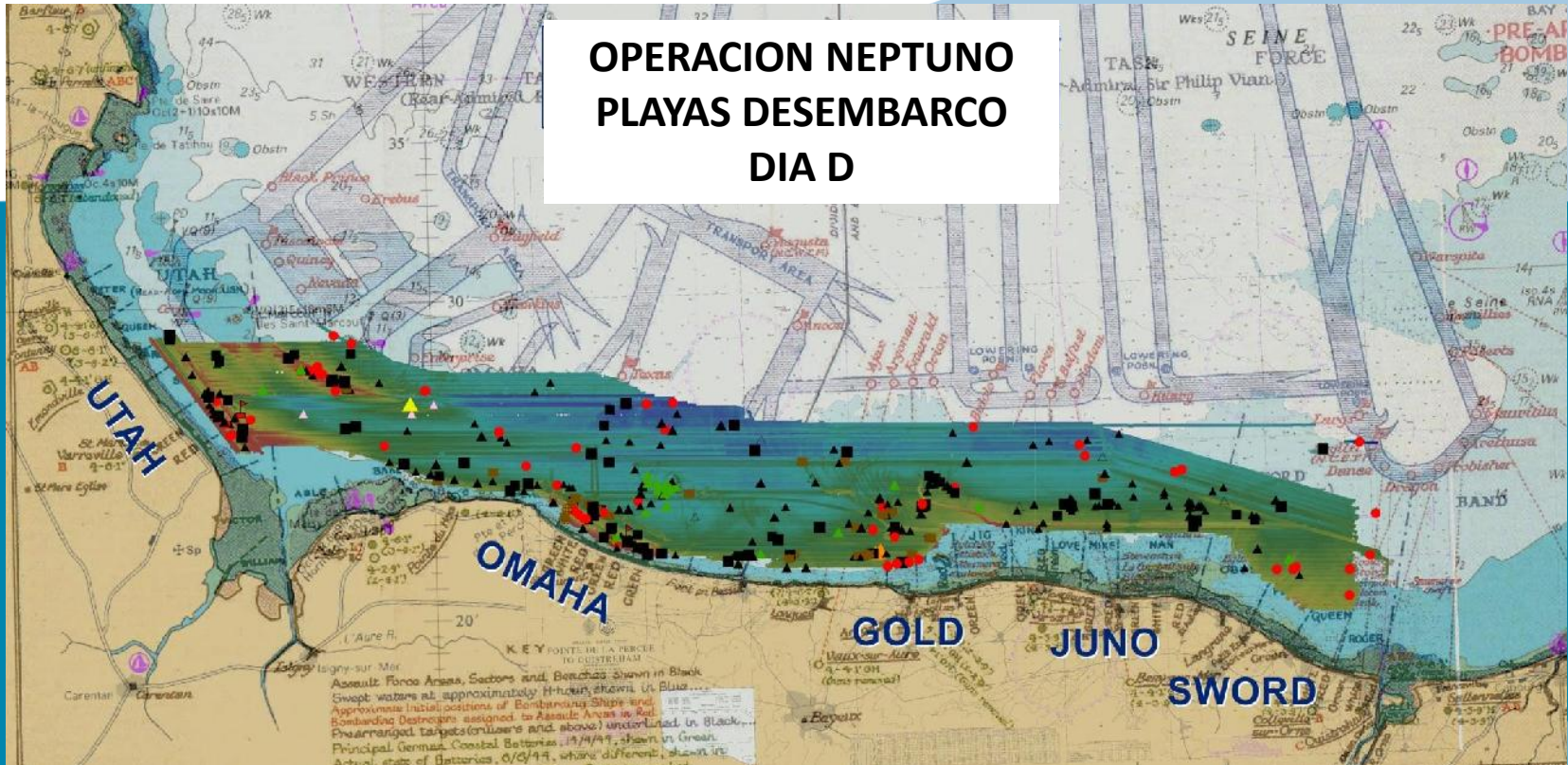
**127 Aviones
perdidos**

Muertos en Accion

78,750



OPERACION NEPTUNO PLAYAS DESEMBARCO DIA D



- Fase 1 se levanto 511km² en 27 días con mas de 350 naufragios y restos marcados.
- Fase 2 se levanto mas de 50 blancos especificos creando imagenes 3D muy detalladas.
- Trabajo continuo con el procesamiento de 11TB de datos colectados.
- Mapas Batimétricos fueron creados de toda el área levantanda asi como con mosaicos de Sonar de Barrido Lateral.

Equipo



Edge Tech 4600: Batimetría MB e imágenes de Sonar de Barrido lateral



R2-Sonic 2024 UHR (200-700 KHz)



Trimble 461: Posicionamiento Diferencial



CodaOctopus F-175 Sensor de Movimiento



USS Susan B. Anthony

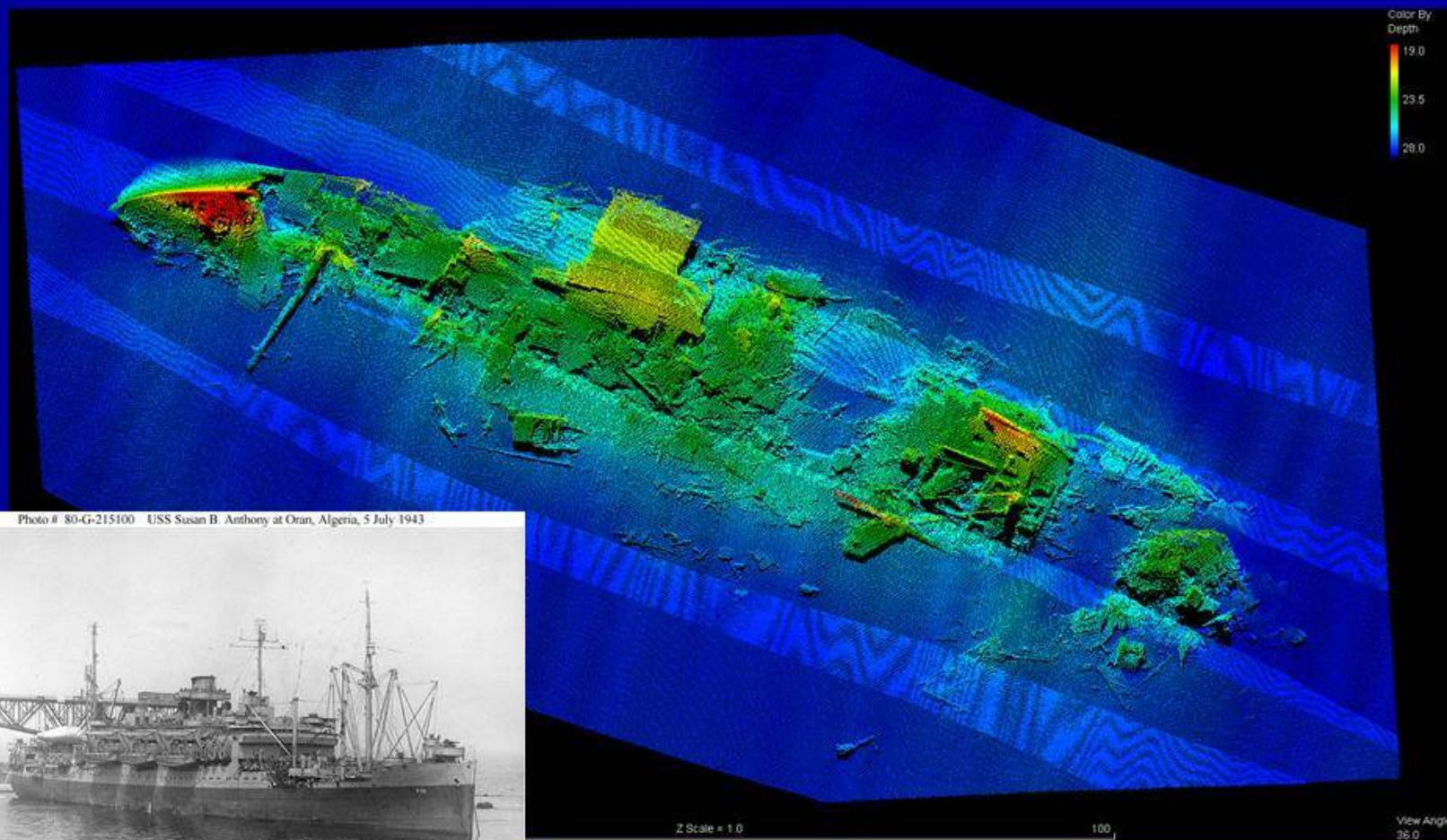


Photo # 80-G-215100 USS Susan B. Anthony at Oran, Algeria, 5 July 1943

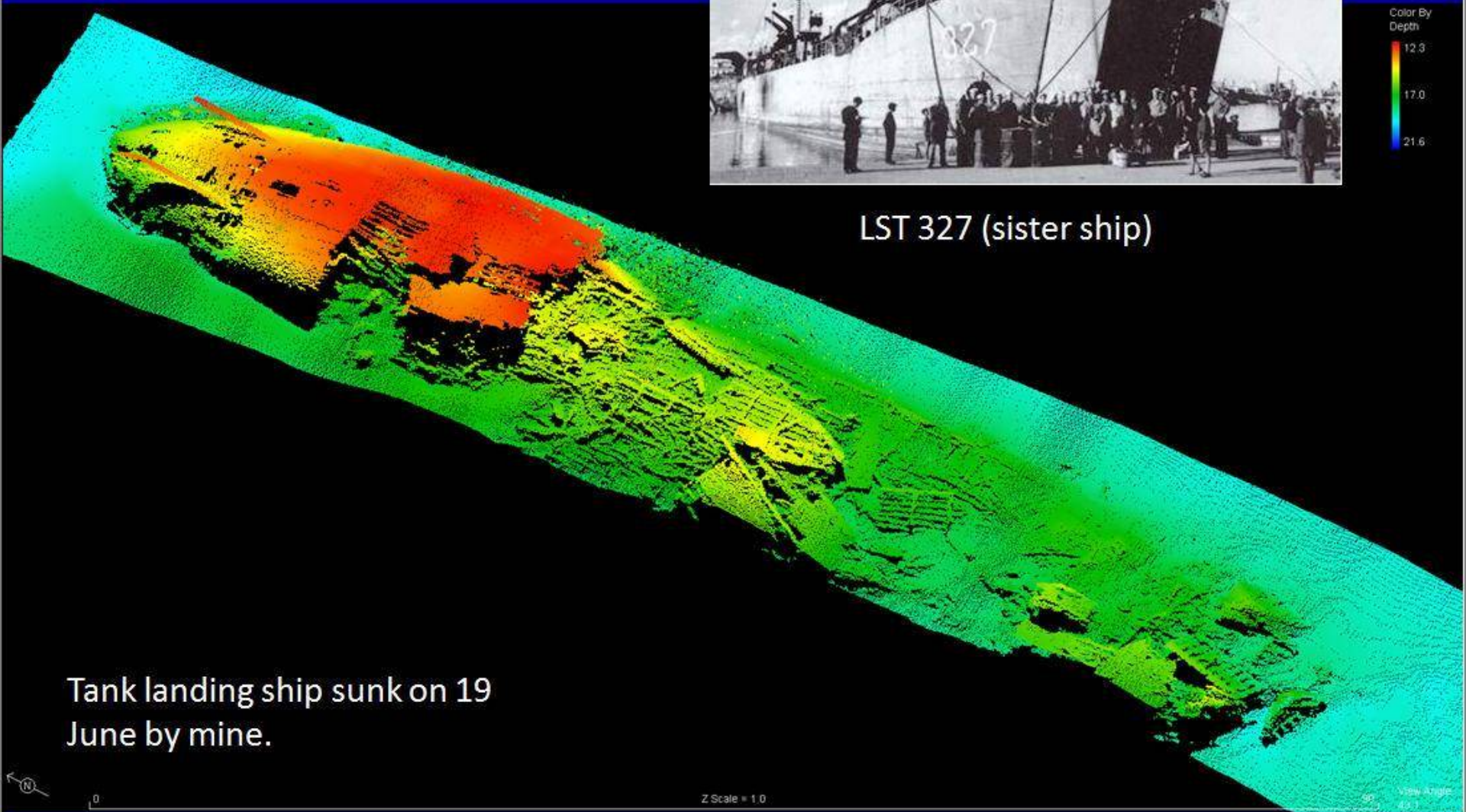


Troop transport ship: 483' 18kts
Struck mine in "swept" channel on 7 June 1944.

USS LST 523



LST 327 (sister ship)

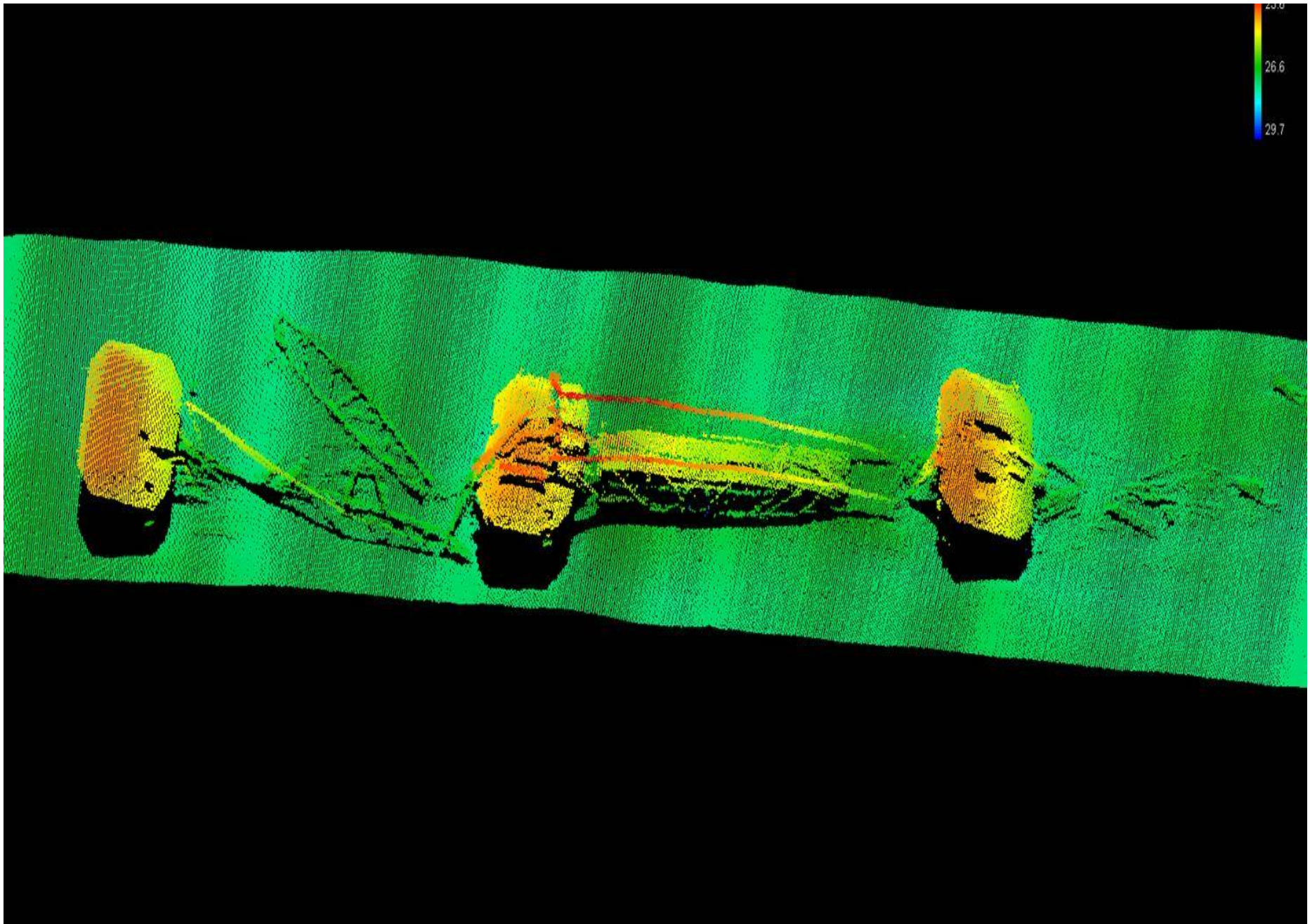


Tank landing ship sunk on 19
June by mine.

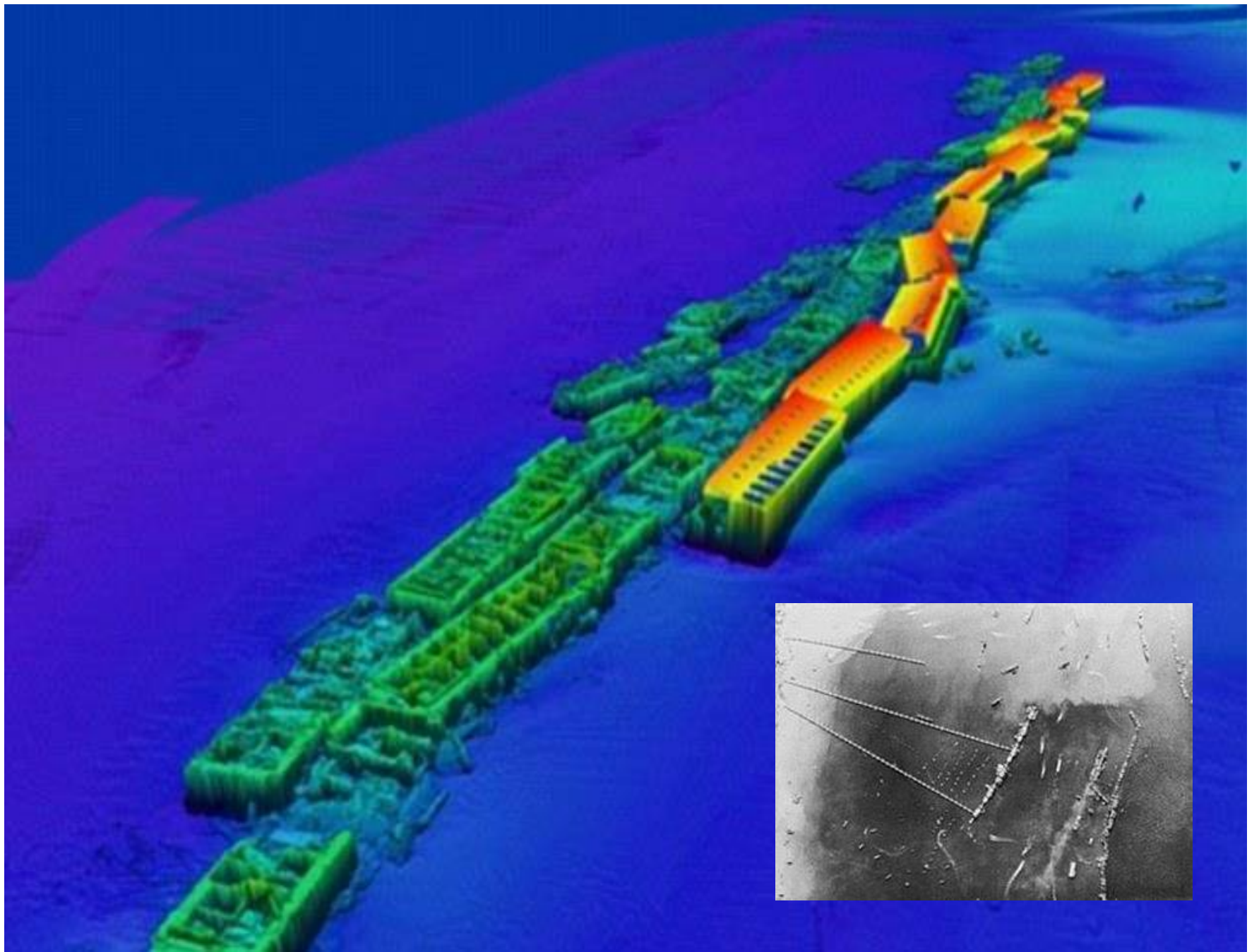




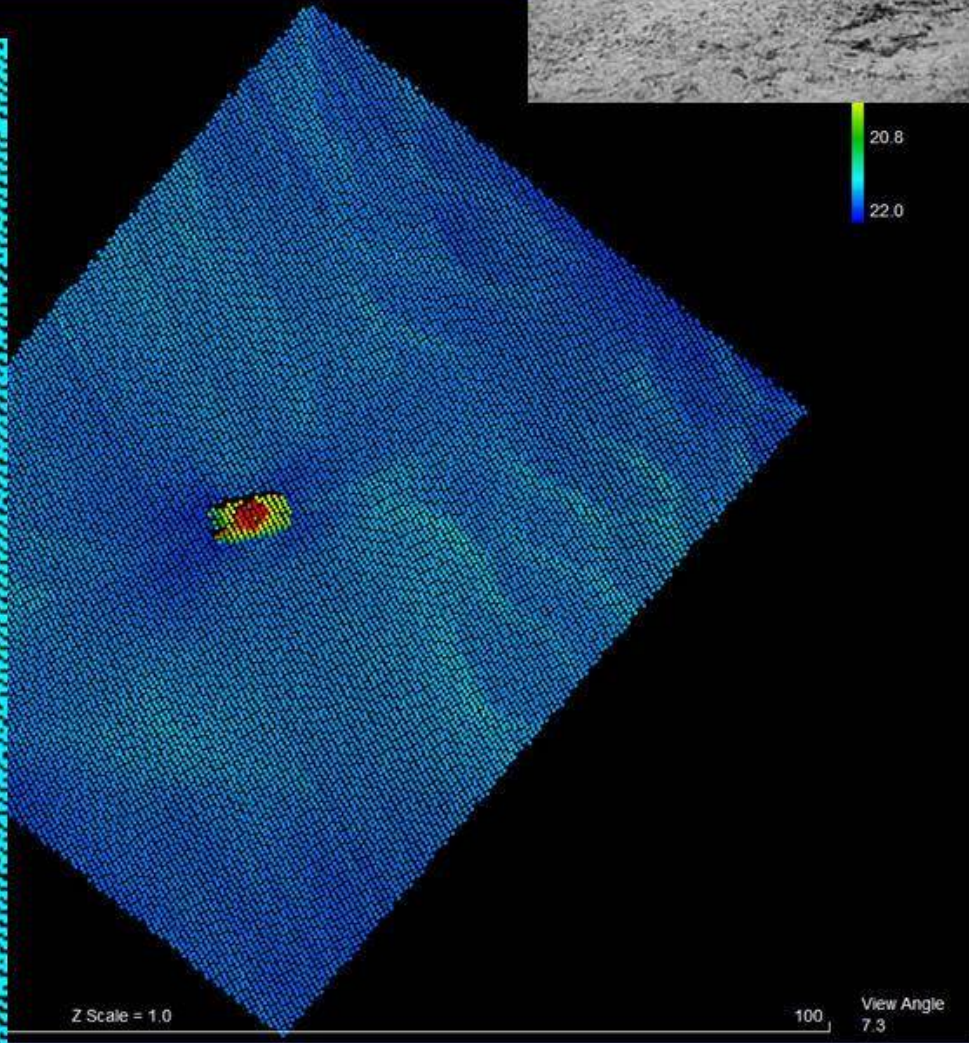
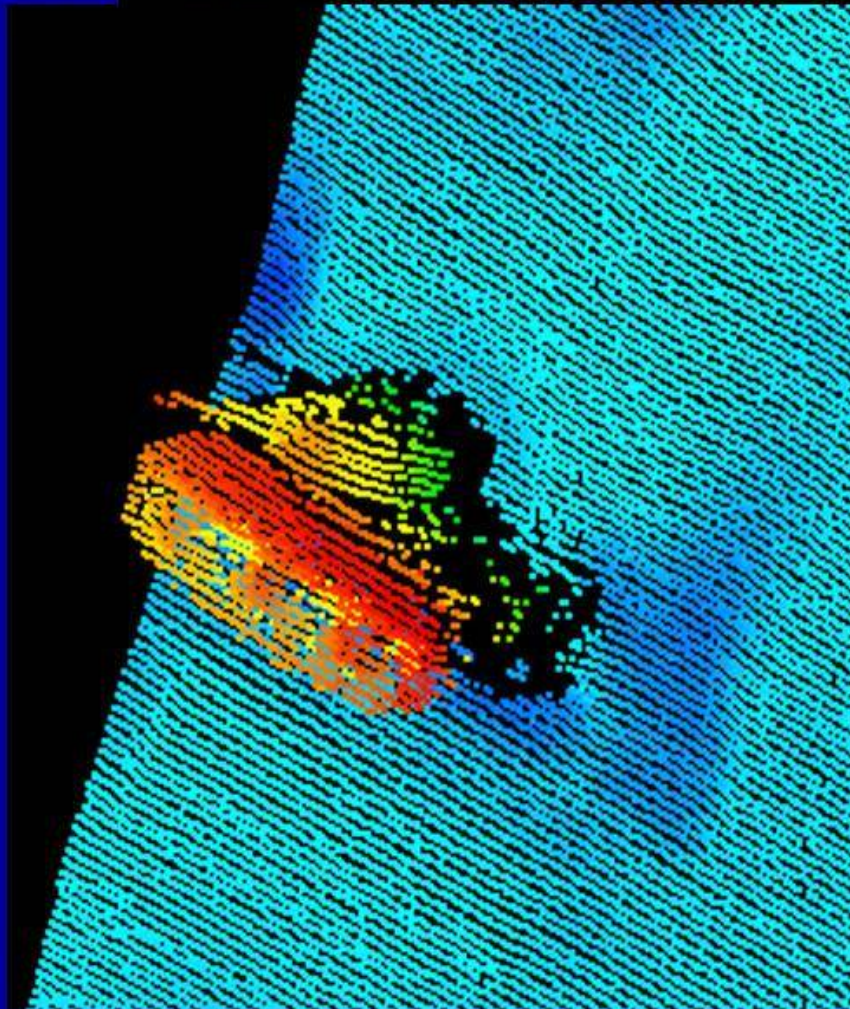








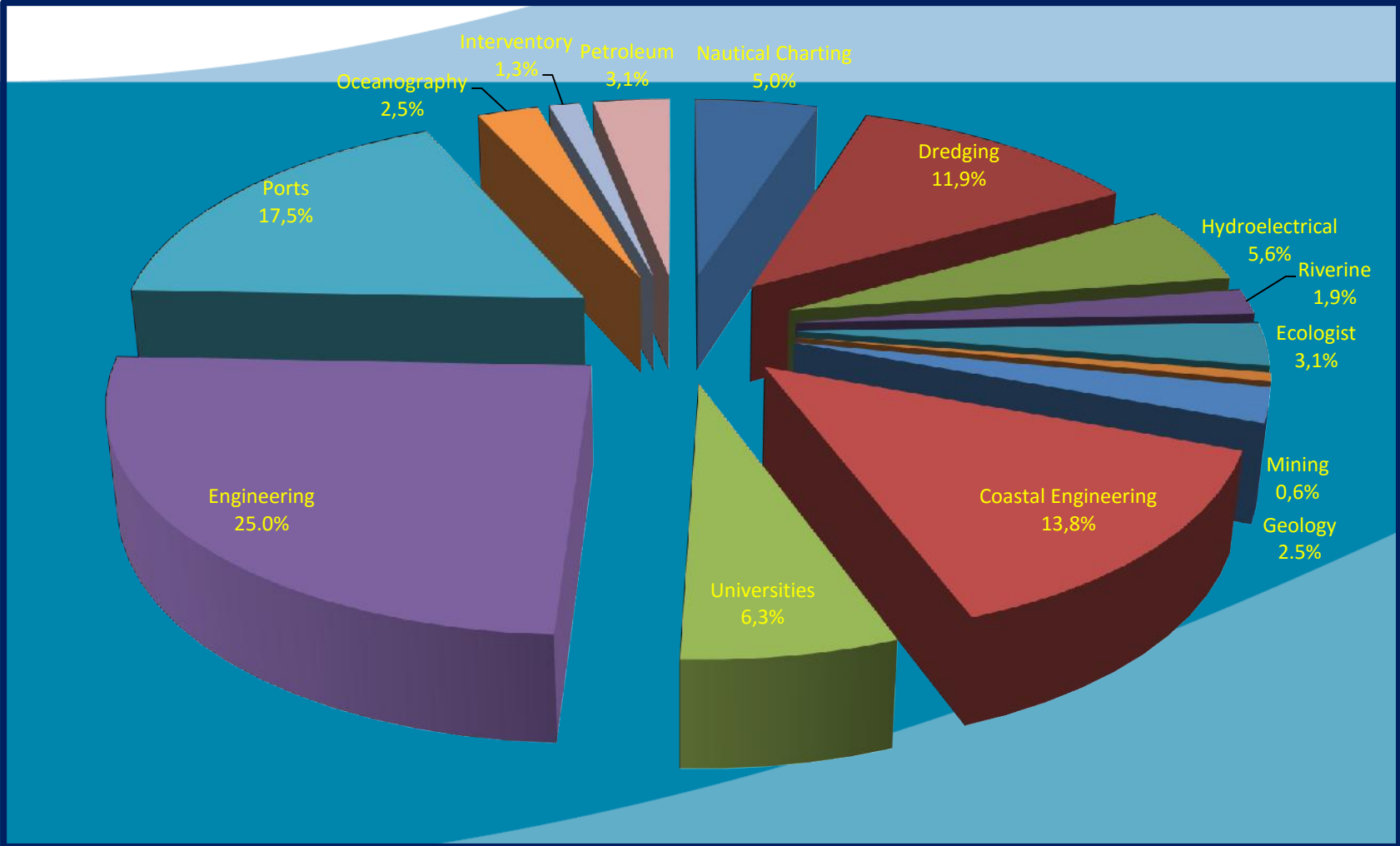
Tanks



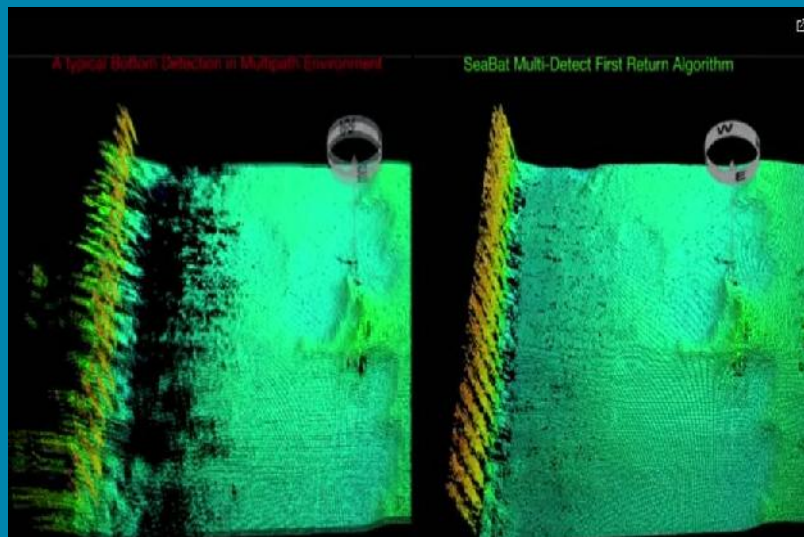
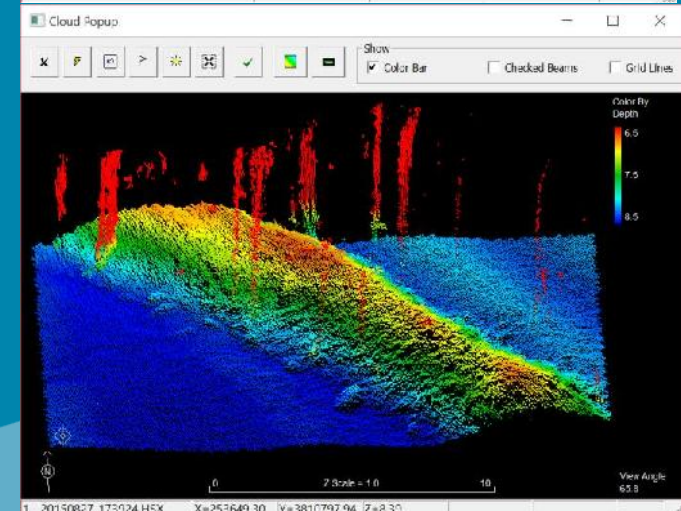
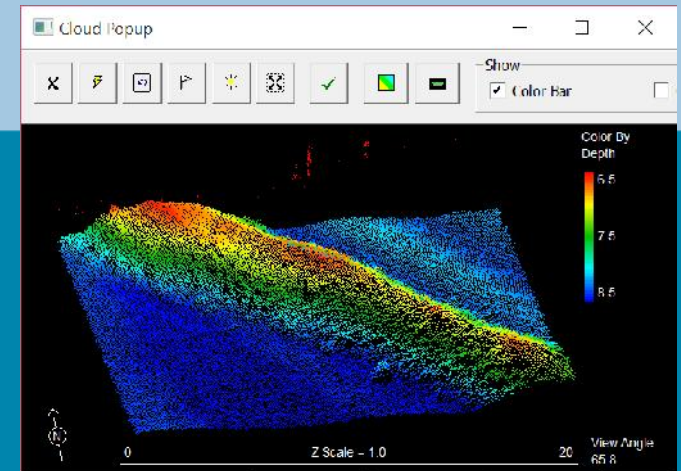
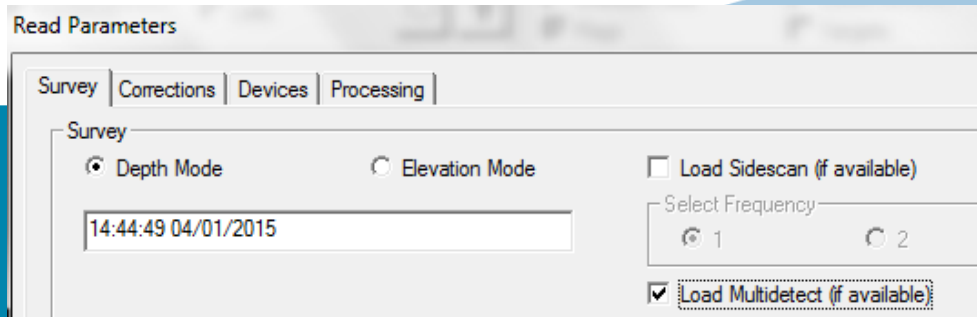
Z Scale = 1.0

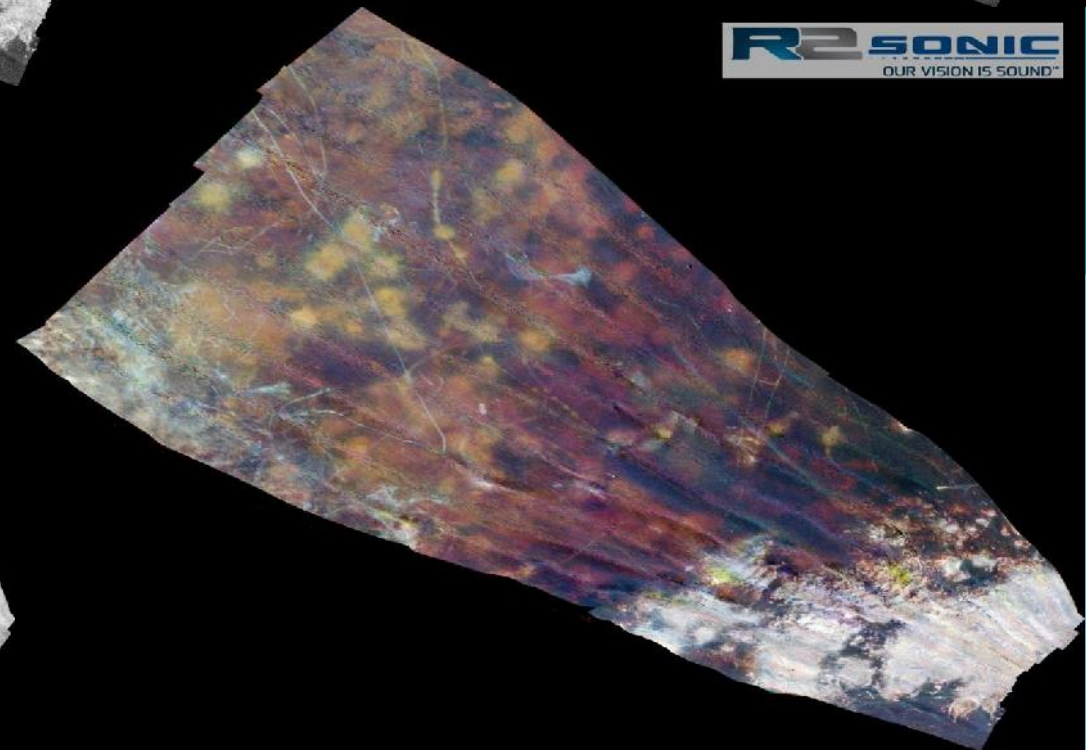
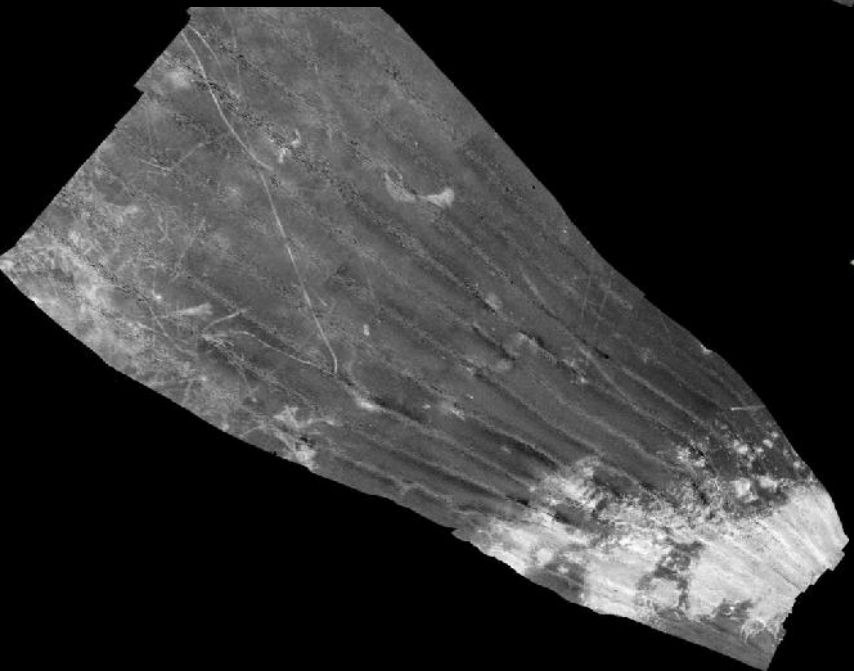
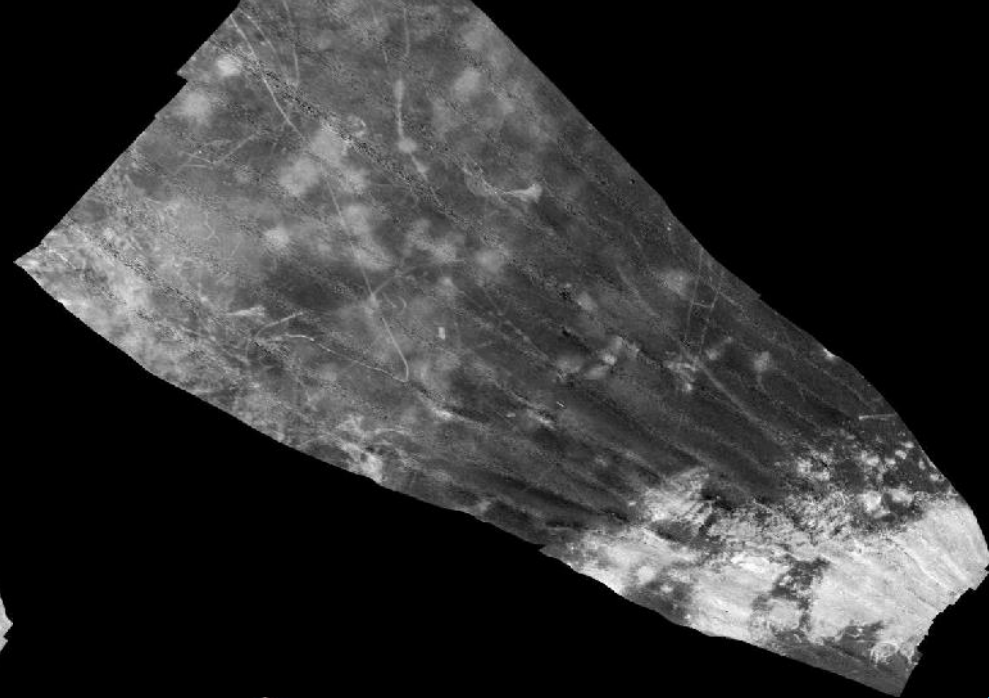
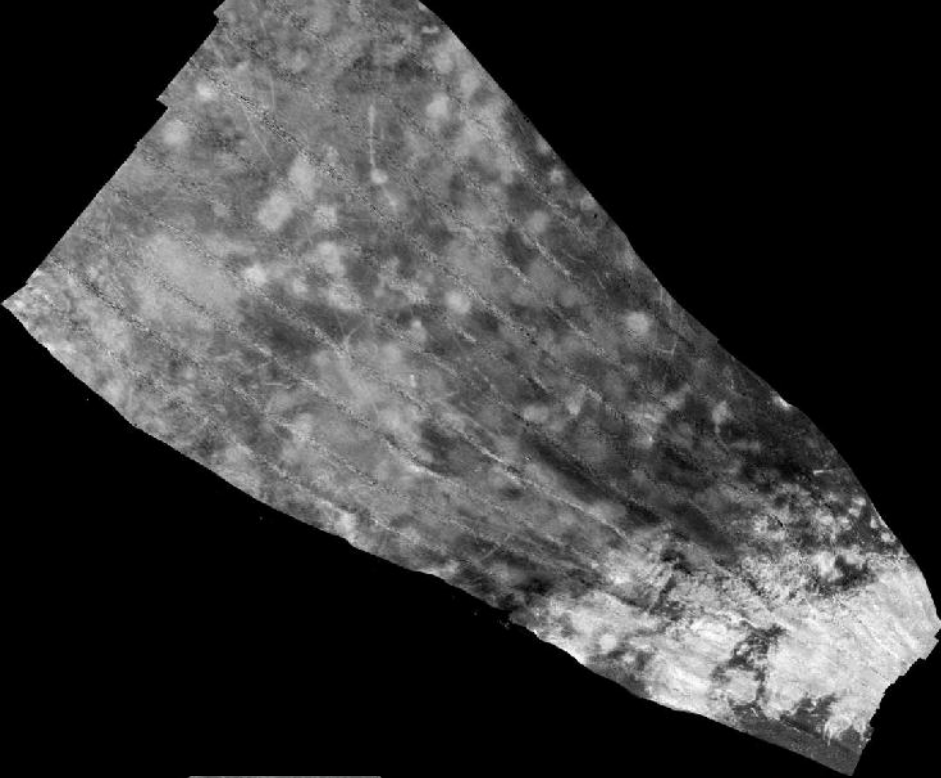
100

View Angle
7.3

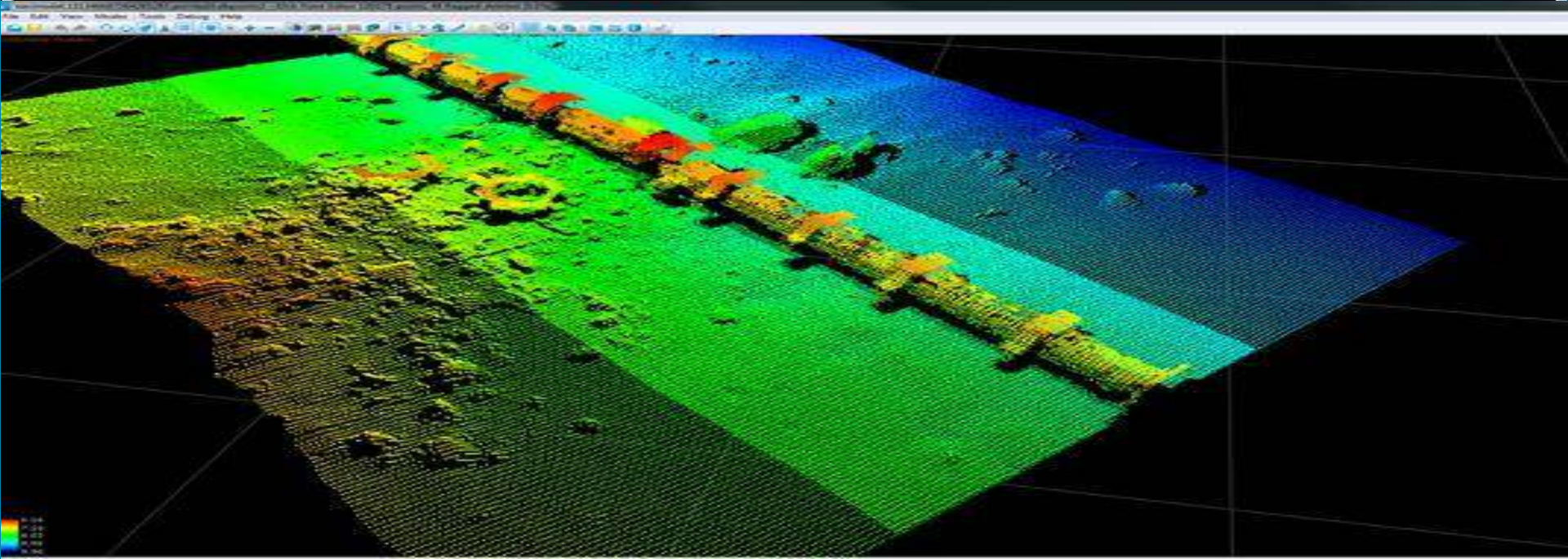
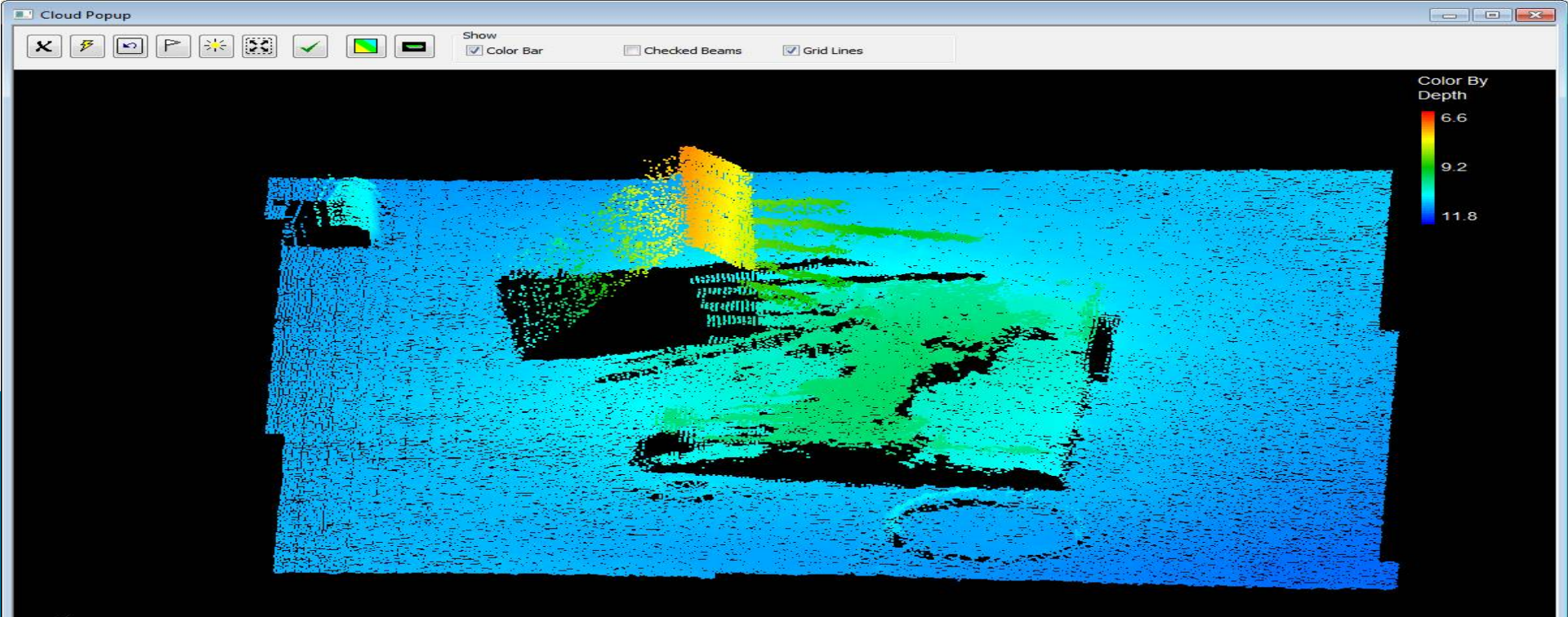


Opción para habilitar/deshabilitar multi-detección/extra detección.



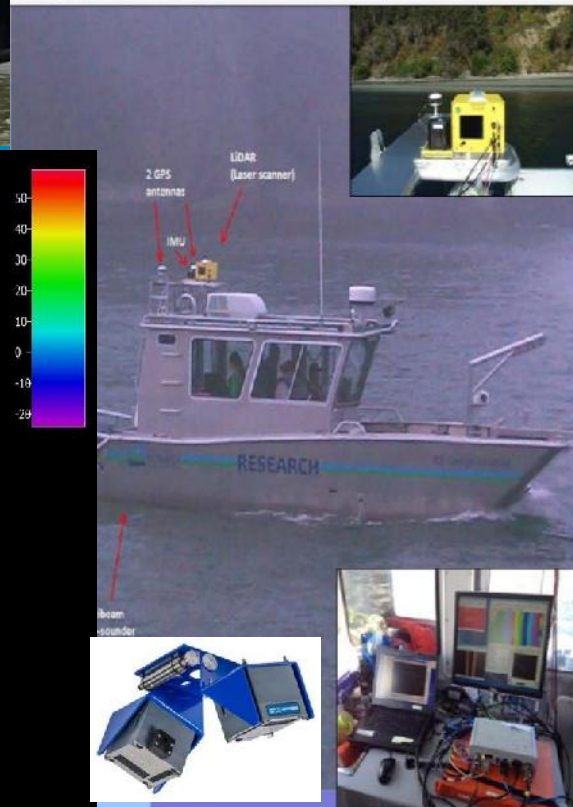


RESONIC
OUR VISION IS SOUND™





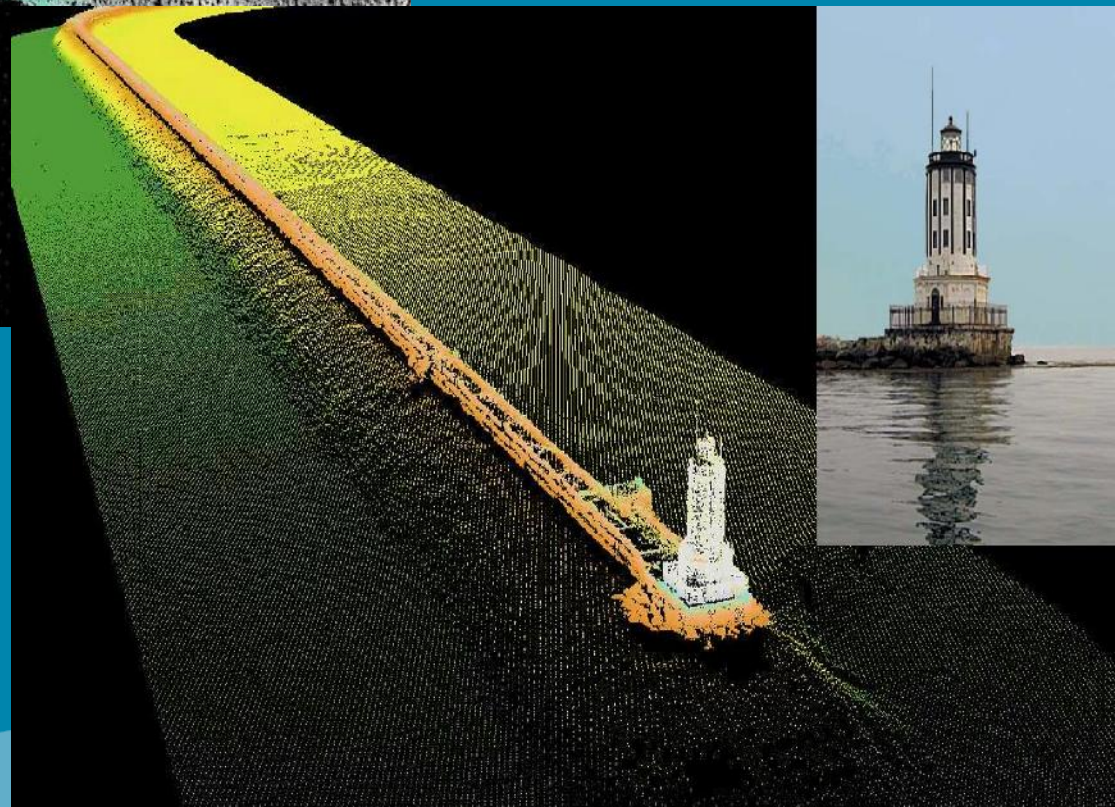
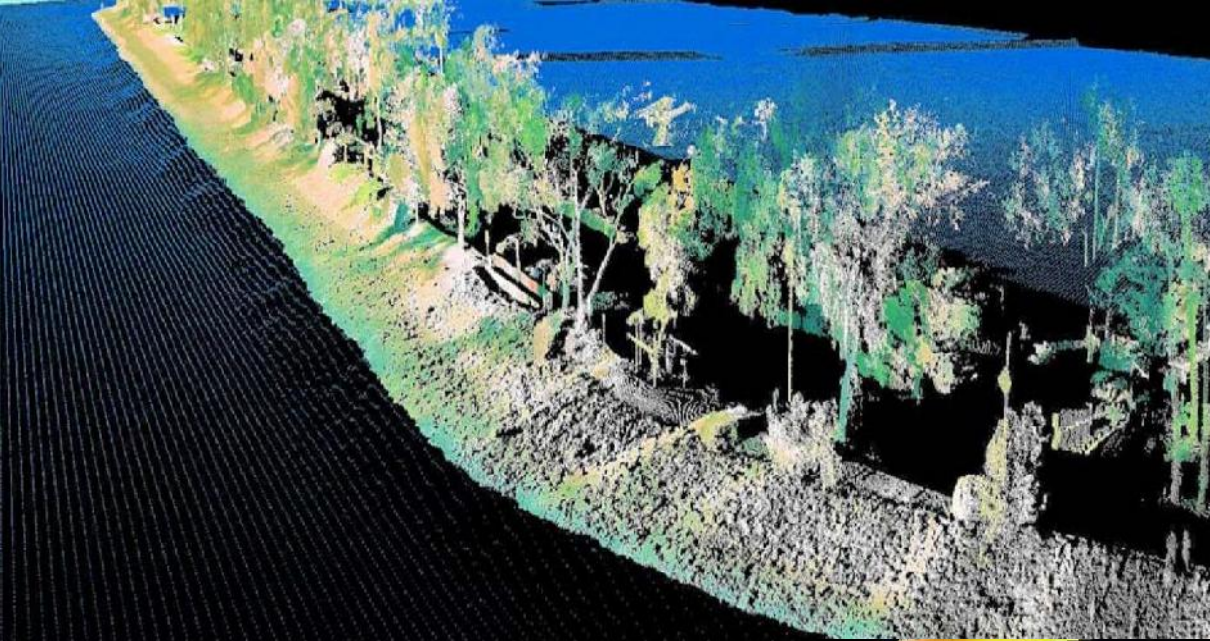
01uploads/2013/07/ECY_MultibeamSurveys_CoastWaikikum/Council/Mount_FinalReport.pdf



- [Optech ILRIS HD-ER laser scanner](#)
- [R2Sonic 2022 multibeam echosounder with Snippets/TruePix backscatter](#)
- [Applanix POS MV 320 V5 RTK inertial navigation system for georeferencing and motion compensation](#)
- [QINSy 8.1 hydrographic software for data acquisition](#)
- [AML MinosX SV Profiler and MicroX SV probe for sound velocity measurements](#)

Equipment for MBES and MLS surveys on the R/V George Davidson.



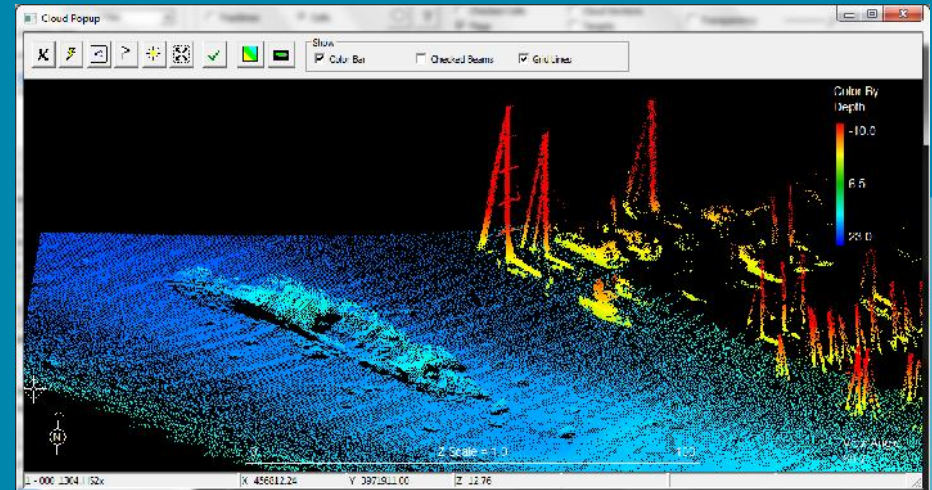
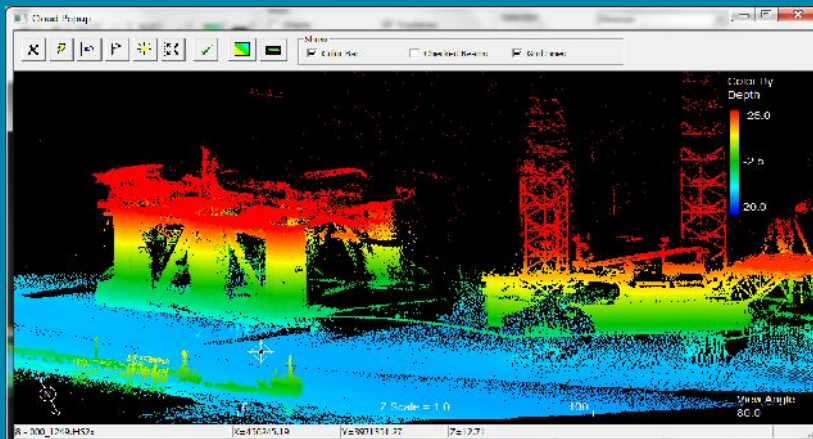




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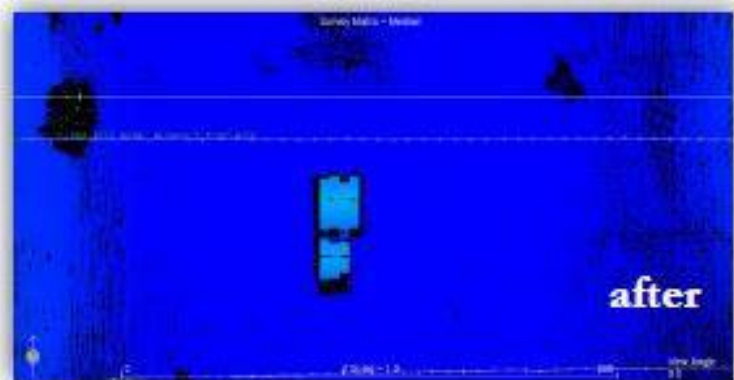
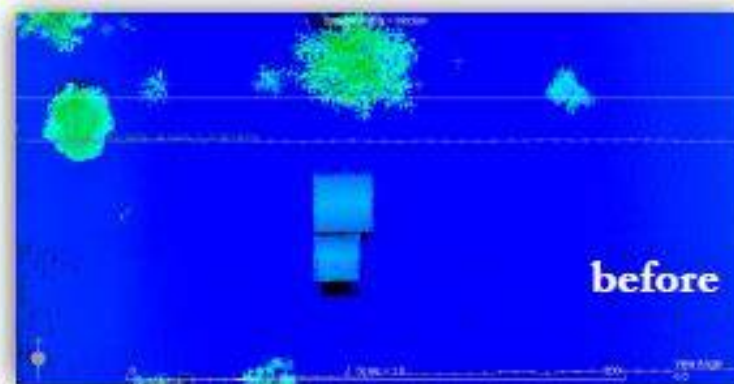
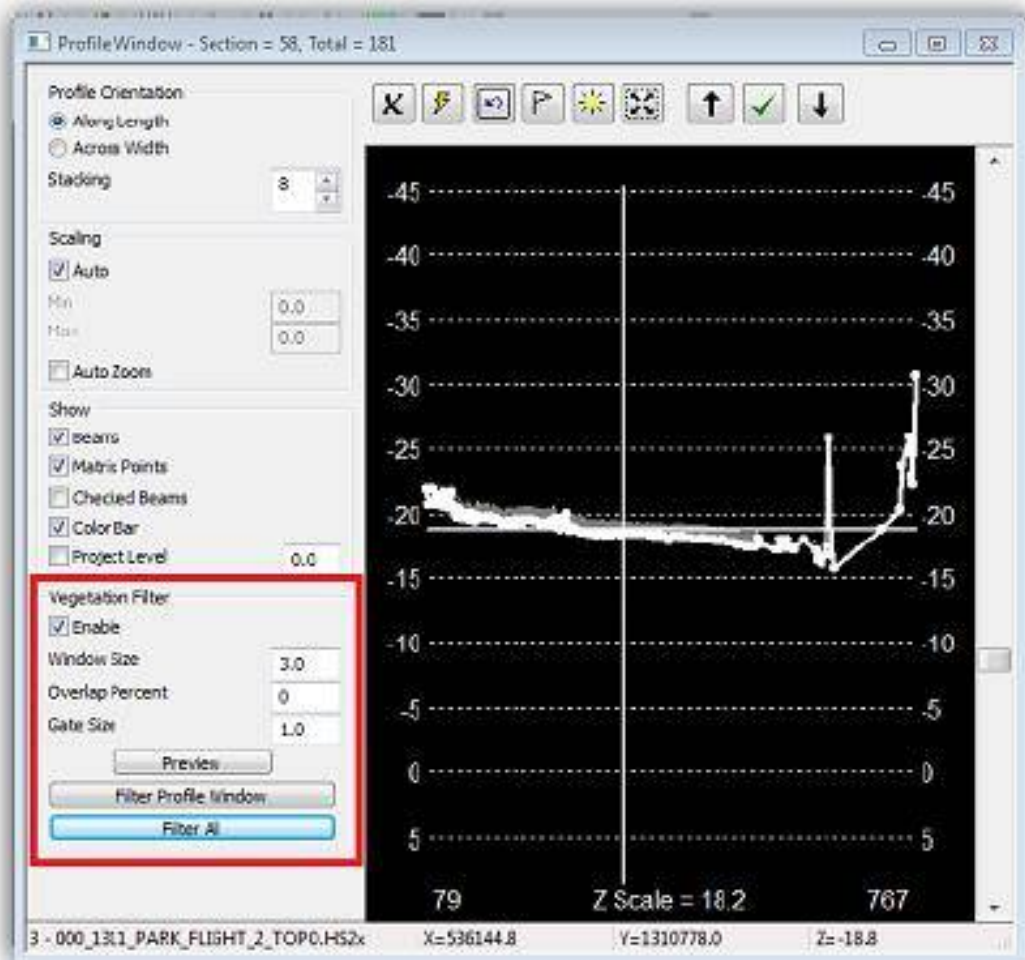
MBMAX64 - Combinando Datos Multihaz y Lidar

- Procesando tanto Multihaz como LIDAR en MBMAX le permite ver ambos juegos de datos en una sola sesión.
- Ejemplo de multihaz con Datos LIDAR.



Veleros al ancla (lidar) próximos a un naufragio (multihaz).

Vegetation Filter (Topography)





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**STEP 1: HYPACK®
HARDWARE Configuration**

- Add AutoLines.dll.
- Click the Setup Button and configure AutoLines.dll driver with the user-defined parameters.

**STEP 2: Prior to starting
HYPACK® SURVEY**

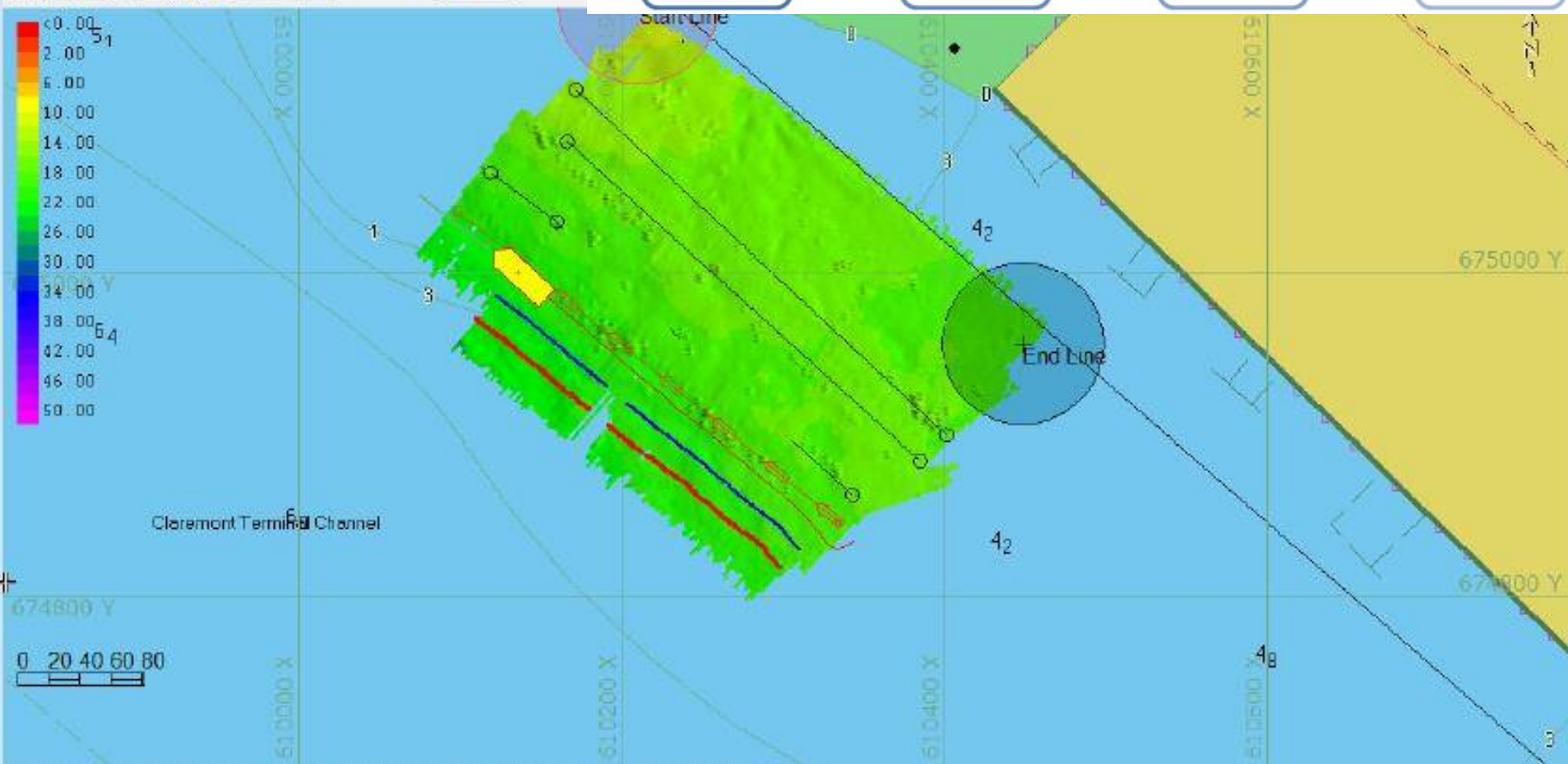
- Define a Matrix Border or use the AutoMatrix functionality.
- Create a "dummy" line planfile (*.LNW).
- AutoLines.dll appends its lines to the *.LNW file as the path is drawn.

**STEP 3: Launch
HYPACK®/HYSWEEP®**

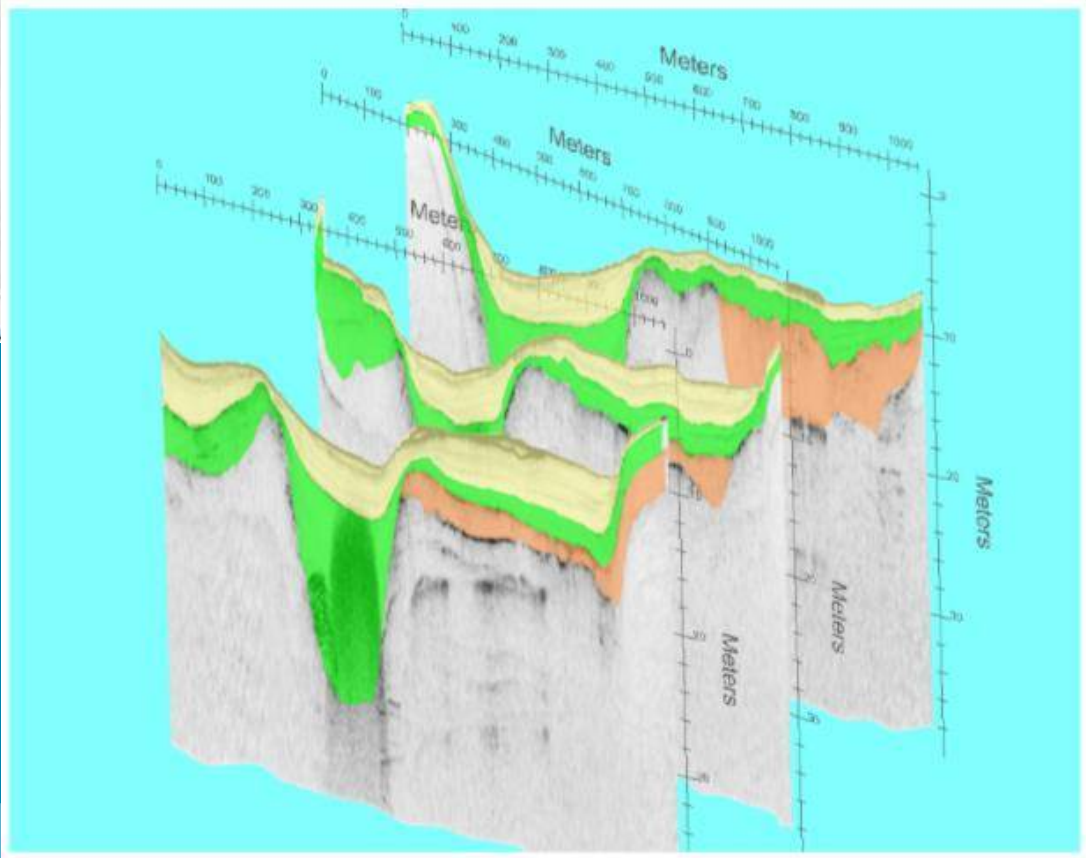
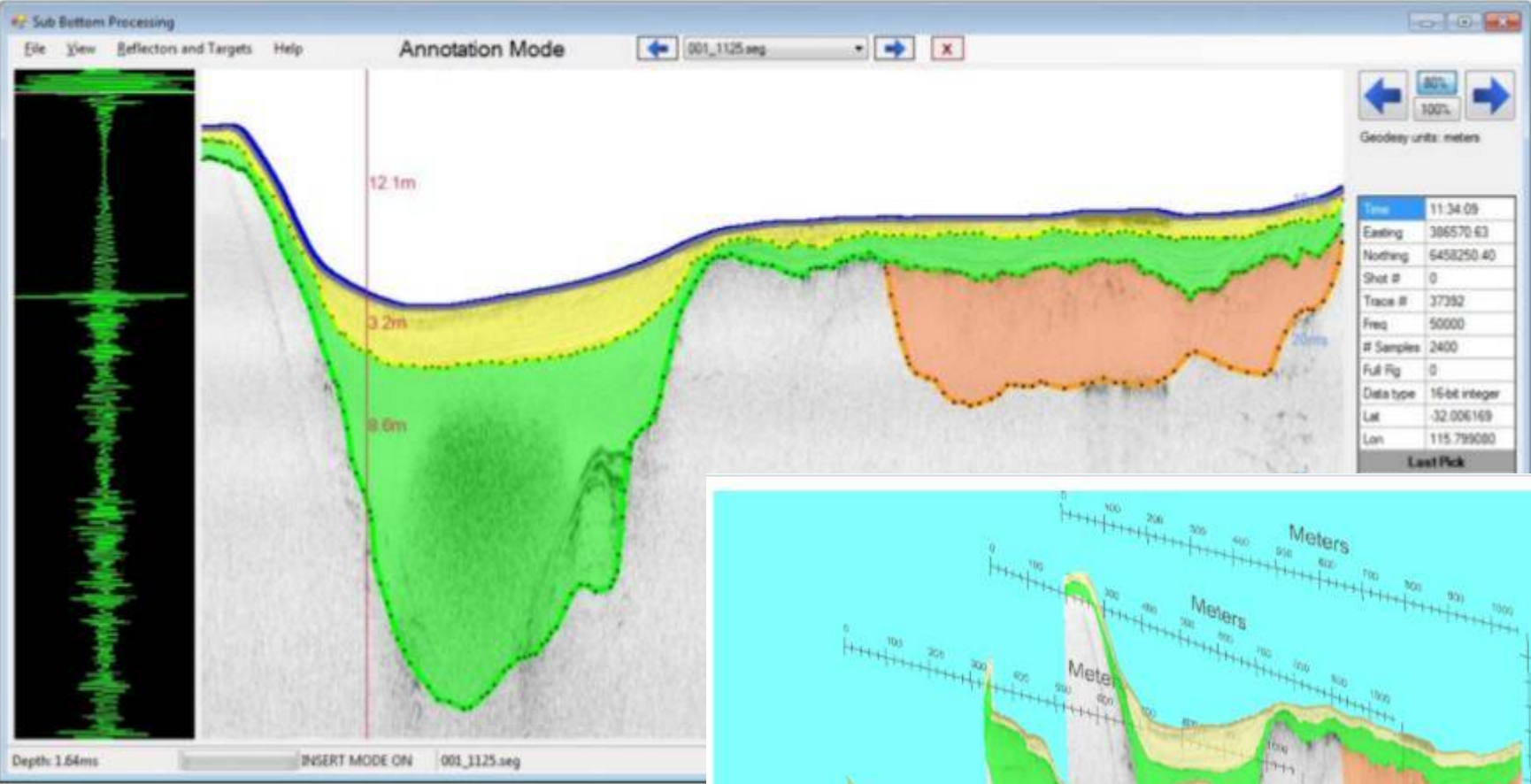
- Launch HYPACK® / HYSWEEP®.
- Start Logging and establish the first path.
- Blue dots indicate the approximate Beam Angle.
- Red dots provide a raw preview of the next path.

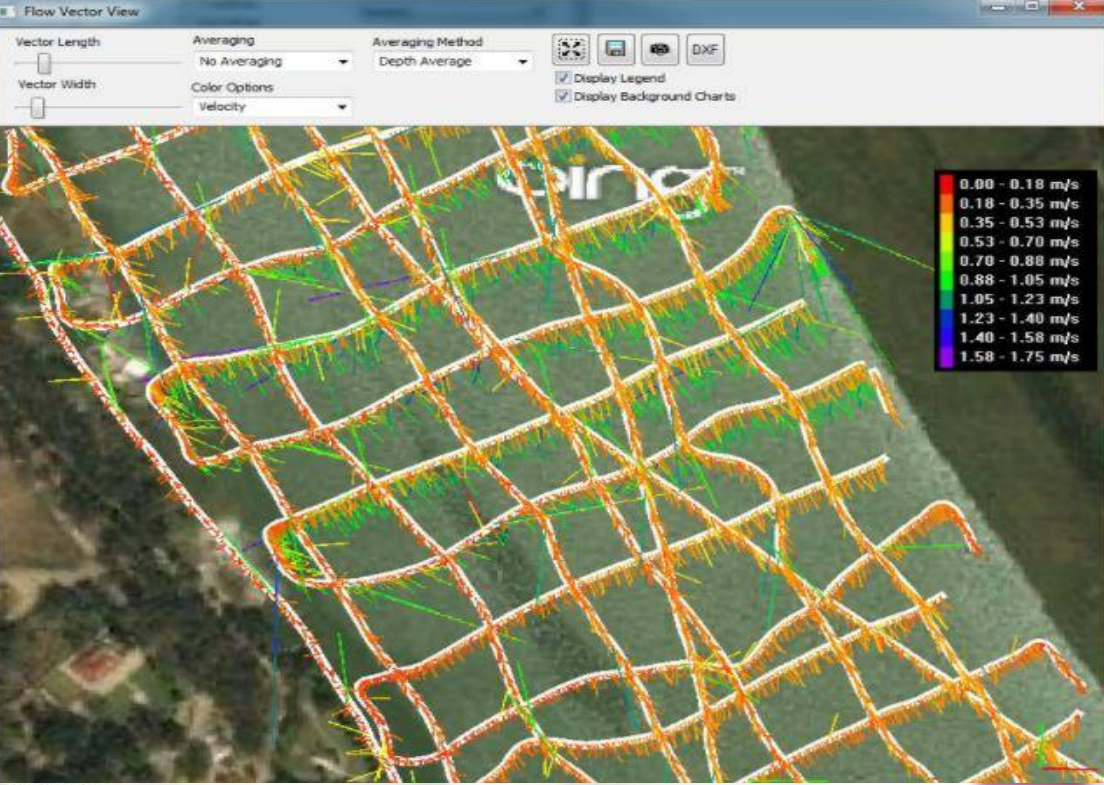
**STEP 4: Online AutoLine
Operation**

- Start Logging initiates the algorithm.
- Stop Logging creates the new path.
- During survey operations the user can refine the parameters:
 - XTE
 - Beam Angle
 - Track Side

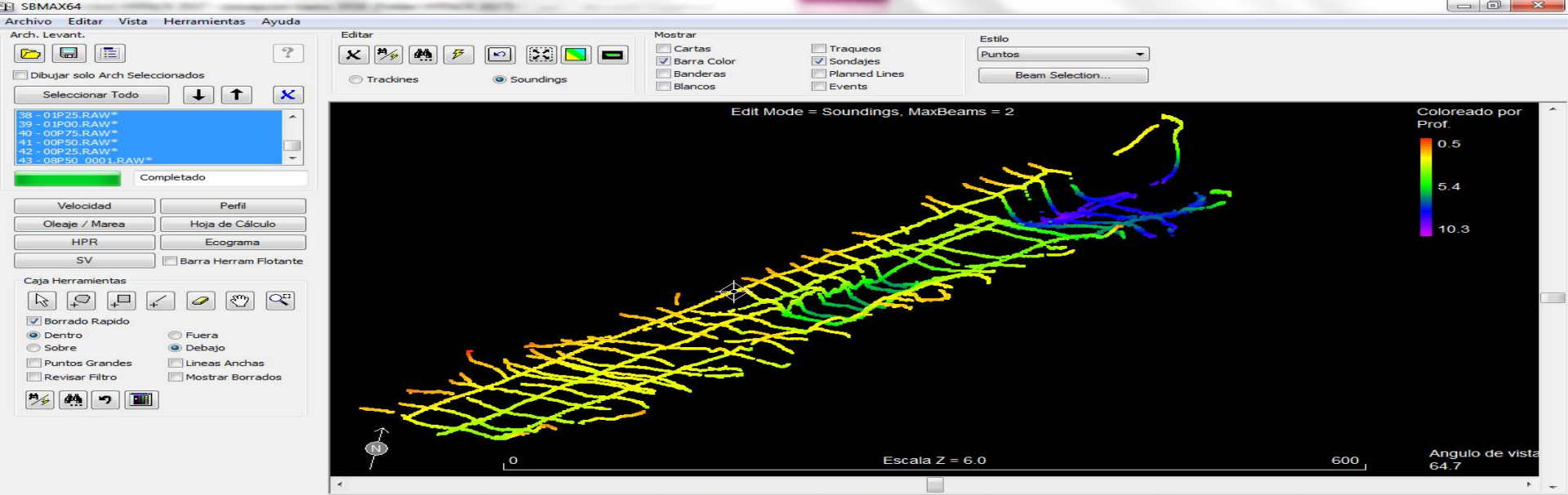


609818.16 674807.57 40d41'06.814" N 074d04'32.152" W 40d41'06.814" N 074d04'32.152" W





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Buque Nodriza con varios vehiculos no tripulados.





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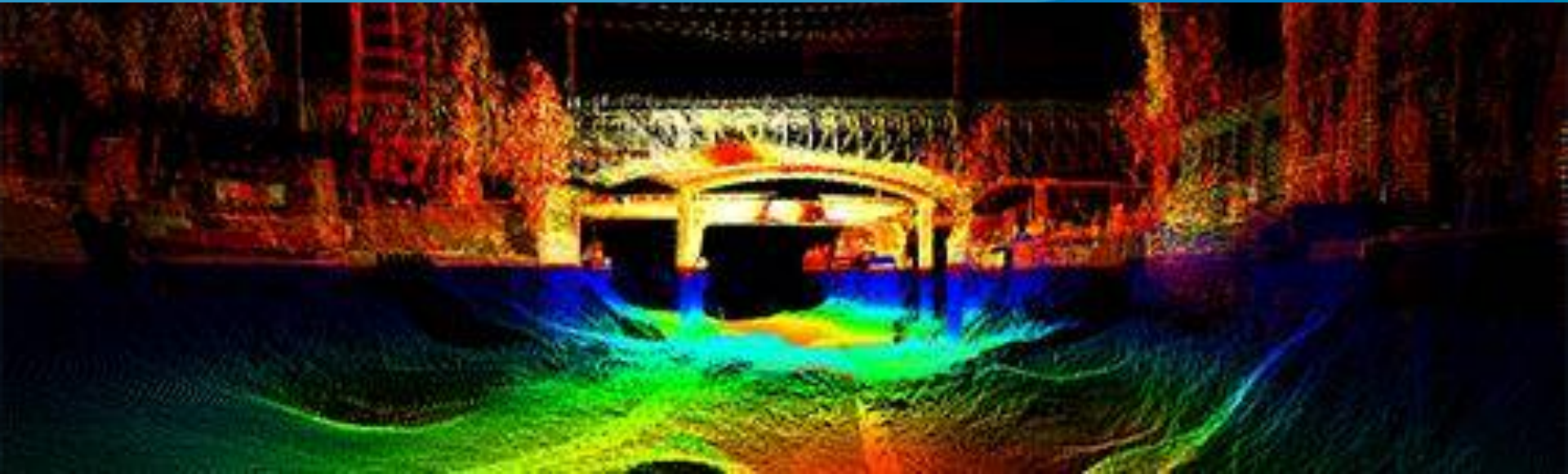
January 16 - 19, 2018
Savannah, Georgia
USA

HYPACK 2018

Hydrographic Training Event

[Register Now!](#)

Annual HYPACK Training Event



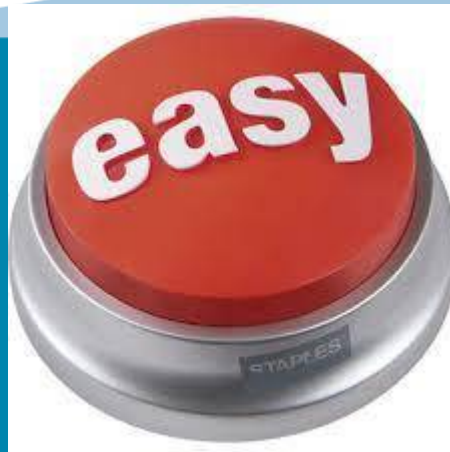


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Reflexiones Finales

**Cantidad
sobre
Calidad**



**Agenda
Regional
Hidrografica**

**Cualquiera
puede hacer
Hidrografia**

**CONFERENCIA
HIDROGRAFICA**

