

UNDERSEA FEATURE NAME PROPOSAL
(Sea NOTE overleaf)

Note: The boxes will expand as you fill the form.

Name Proposed:	Vital de Oliveira Hill	Ocean or Sea:	Atlantic Ocean
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Geometry that best defines the feature (Yes/No) :						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
Yes		Yes				

* Geometry should be clearly distinguished when providing the coordinates below.

Coordinates:	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
	Central point 39°23.49' W	Central point 29°51.79' S
	39°23.46' W	-29°49.51' S
	39°23.77' W	-29°49.68' S
	39°24.38' W	-29°50.85' S
	39°24.55' W	-29°51.72' S
	39°24.45' W	-29°53.85' S
	39°24.34' W	-29°54.25' S
	39°24.10' W	-29°54.34' S
	39°23.45' W	-29°53.95' S
	39°22.65' W	-29°52.84' S
	39°22.20' W	-29°51.82' S
	39°22.22' W	-29°51.31' S
	39°22.59' W	-29°49.97' S
	39°22.97' W	-29°49.65' S
39°23.46' W	-29°49.51' S	

Feature Description:	Maximum Depth:	4834 m	Steepness :	40°
	Minimum Depth :	4403 m	Shape :	Conical and elongated
	Total Relief :	431 m	Dimension/Size :	4.5 km x 10 km (approximately)

Associated Features:	Vema Seachannel
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	
	Within Area of Map/Chart:	Nautical Chart 2

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Vital de Oliveira is the name of a Hydroceanographic Vessel from the Brazilian Navy, which was responsible for the discovery of this undersea feature. Its name is a tribute to the Captain Manoel Antonio Vital de Oliveira (1829-1867), hydrographer and geographer, passed by as a hero in the Paraguay War, on February 2 nd , 1867. Vital de Oliveira is considered the Brazilian Hydrography Patron.
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Discovery Facts:	Discovery Date:	2017
	Discoverer (Individual, Ship):	NPqHo Vital de Oliveira
Supporting Survey Data, including Track Controls:	Date of Survey:	2017
	Survey Ship:	NPqHo Vital de Oliveira.
	Sounding Equipment:	Multibeam – EM122.
	Type of Navigation:	GPS
	Estimated Horizontal Accuracy (nm):	
	Survey Track Spacing:	Full bottom covered
	Supporting material can be submitted as Annex in analog or digital form.	

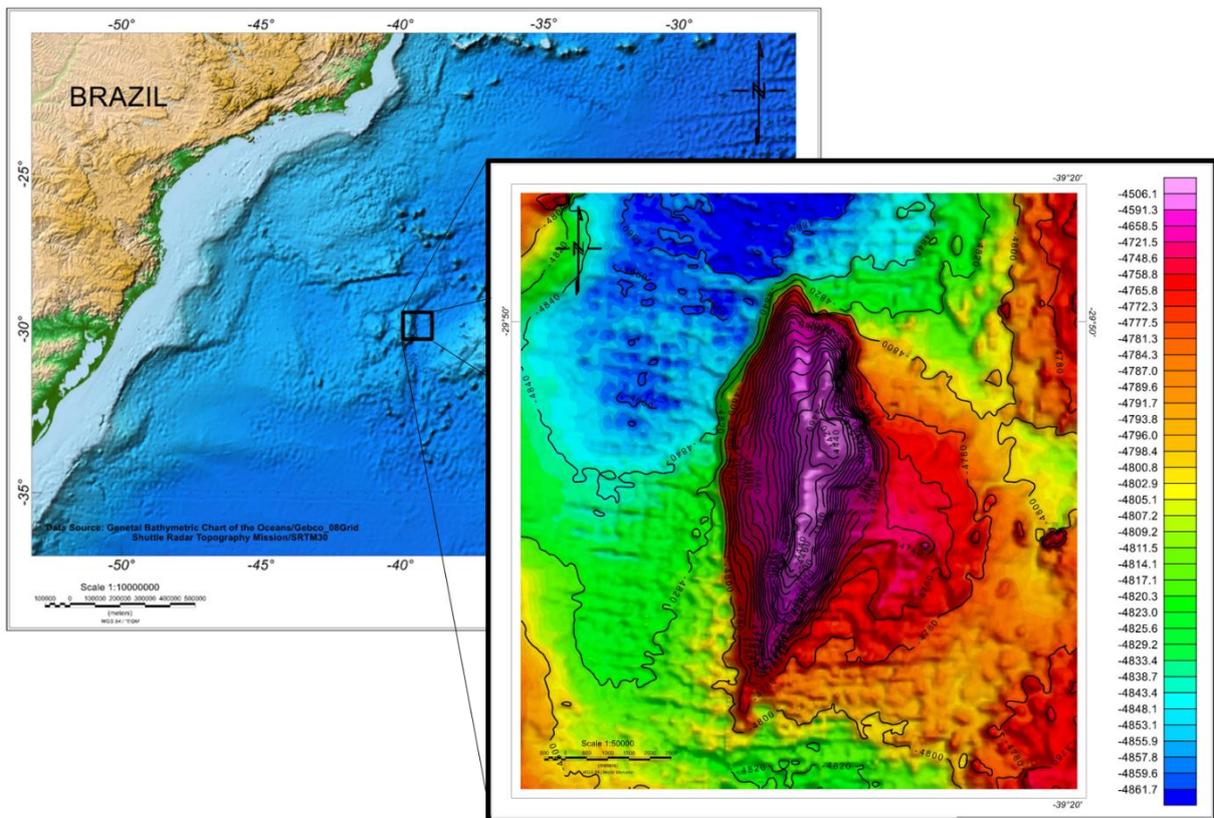


Fig. 1 – Vital de Oliveira Seamount Location.

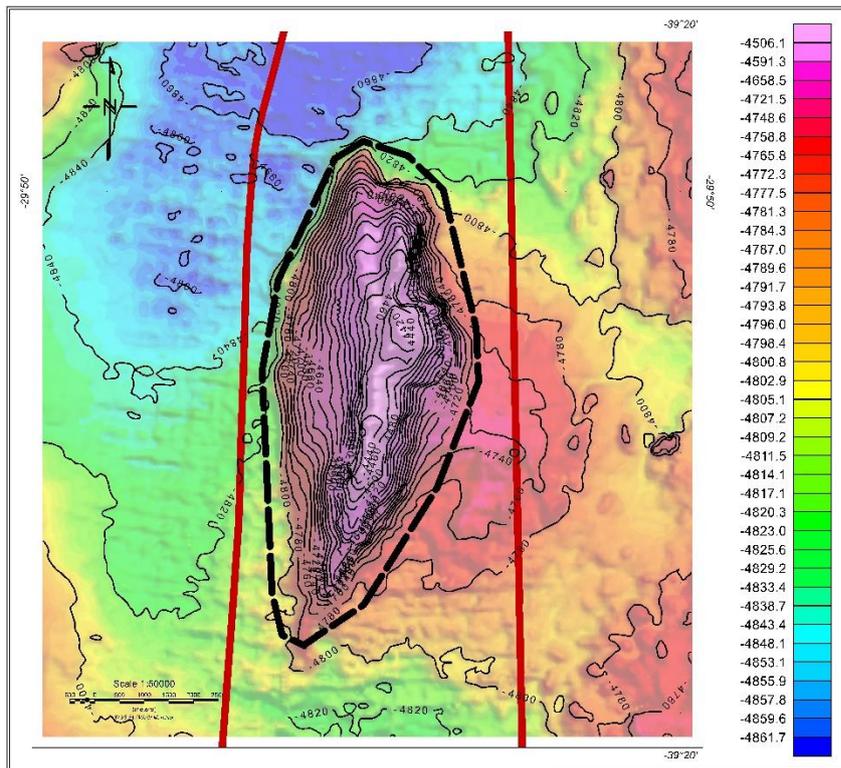


Fig. 2 - Bathymetric grid, the polygon and track line (red lines: multibeam data).

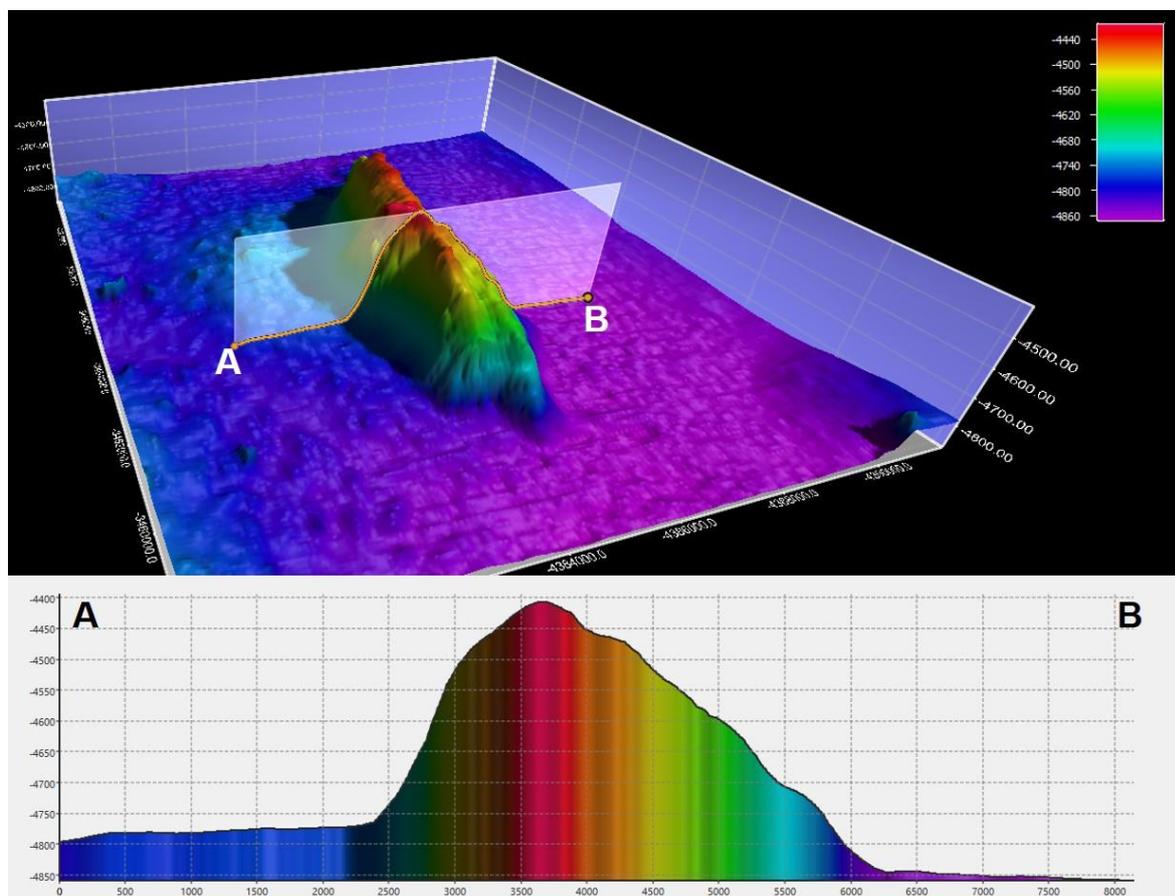


Fig. 3 – DTM and bathymetric profile 1 (Application: Fledermaus 7.2.1a).

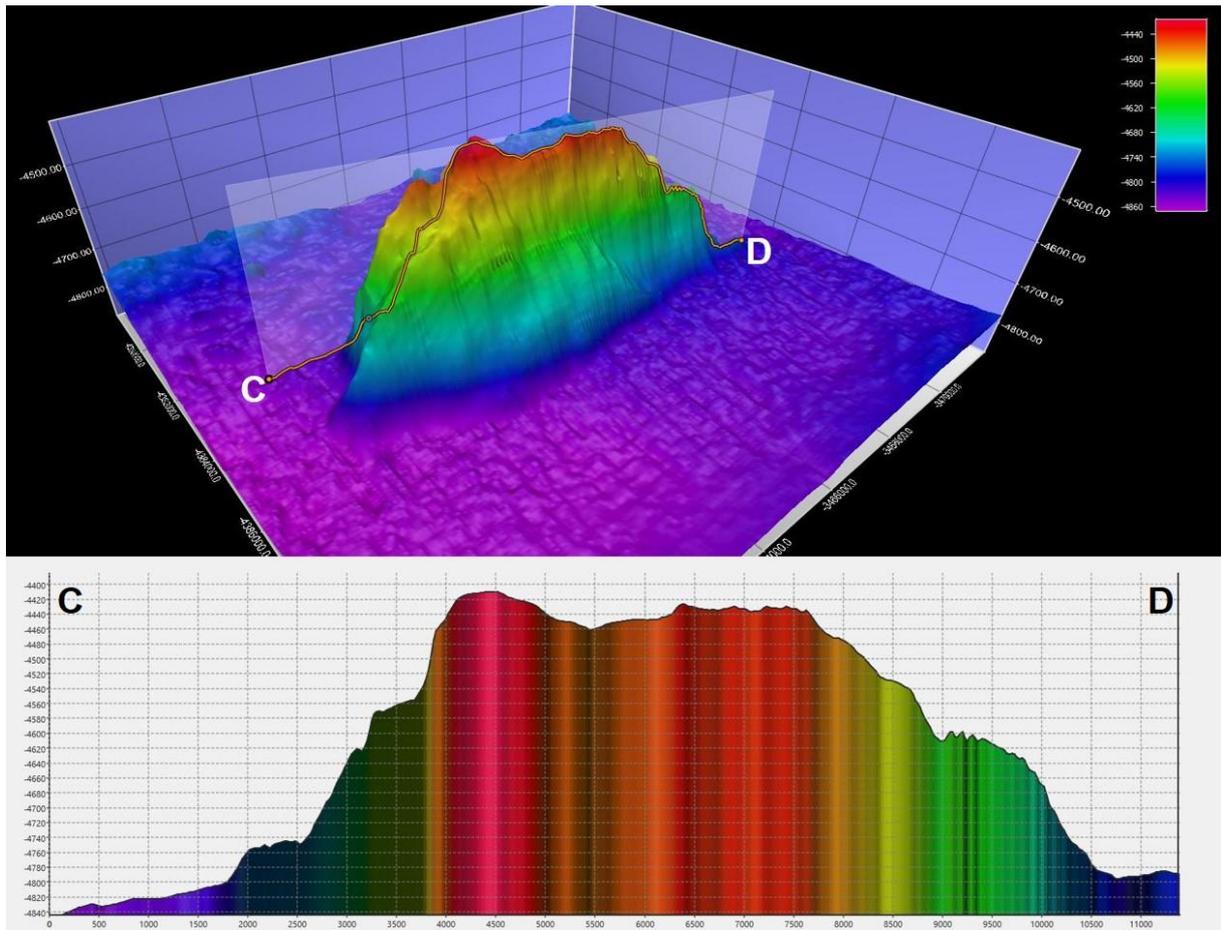


Fig. 4 - DTM and bathymetric profile 2 (Application: Fledermaus 7.2.1a).

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Remarks:	
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