

UNDERSEA FEATURE NAME PROPOSAL

(Sea NOTE overleaf)

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

Name Proposed:	Delta Crucis Seamount	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) 28°20.5'S	(Central Point) 037°47.4'W
	28° 16.9' S	37° 41.0' W
	28° 21.0' S	37° 39.7' W
	28° 26.0' S	37° 40.9' W
	28° 28.2' S	37° 47.8' W
	28° 26.2' S	37° 53.6' W
	28° 21.8' S	37° 55.4' W
	28° 17.2' S	37° 54.4' W
	28° 14.1' S	37° 49.8' W
28° 14.0' S	37° 44.6' W	
28° 16.9' S	37° 41.0' W	

Feature Description:	Maximum Depth:	5060 m	Steepness :	30° to 8°
	Minimum Depth :	2460 m	Shape :	Conical
	Total Relief :	2600 m	Dimension/Size :	30 km X 27 km (approximately)

Associated Features:	Cruzeiro do Sul Rift, Bigarella Seamount, Bigarella Hill, 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 1 and 10

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Delta Crucis Seamount is aligned with the Cruzeiro do Sul Rift, in the Northwest direction. Delta Crucis is the less bright star of the Cruzeiro do Sul constellation (in English: South Cross), in the southern hemisphere. Delta Crucis, also known as Pálida in Portuguese, is located at the right point of the crossbar of the Southern Cross, when you are facing south.
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Discovery Facts:	Discovery Date:	Unknown
	Discoverer (Individual, Ship):	Unknown

Supporting Survey Data, including Track Controls:	Date of Survey:	2011, 2017
	Survey Ship:	RV Marion Dufresne and NPqHo Vital de Oliveira (Brazilian Continental Shelf Project)
	Sounding Equipment:	THOMSON TSM 5265B/ Seafalcon 11 and EM122/ EM710

Type of Navigation:	GPS
Estimated Horizontal Accuracy (nm):	
Survey Track Spacing:	15 km - 4 km – Full bottom covered
Supporting material can be submitted as Annex in analog or digital form.	

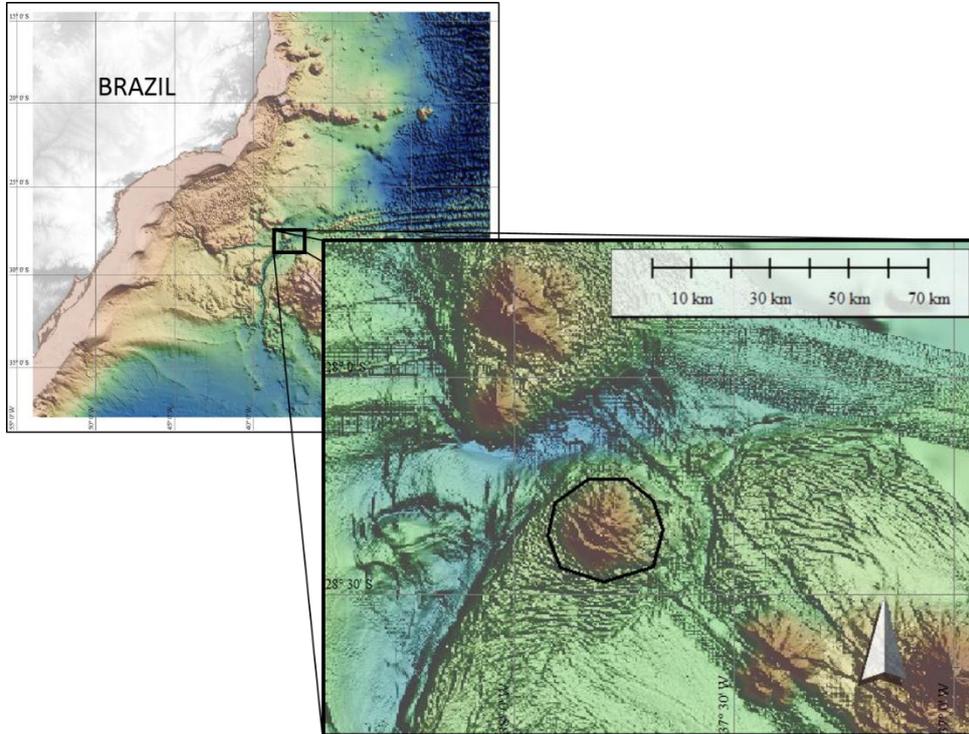


Fig. 1 – Delta Crucis Seamount location.

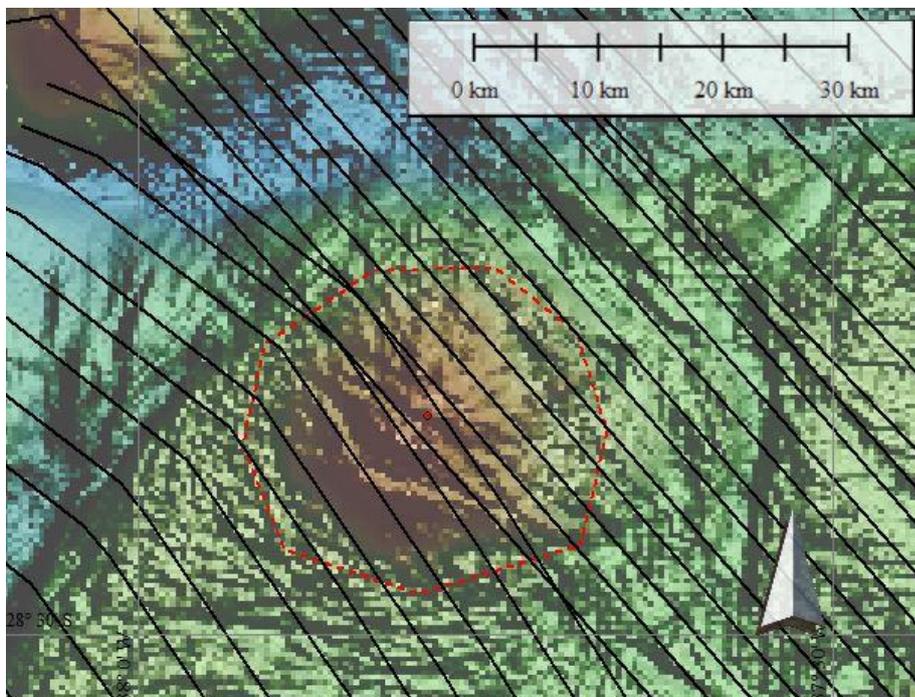


Fig. 2 – Track line. Black lines: multibeam data; Red dot: Delta Crucis Seamount central point.

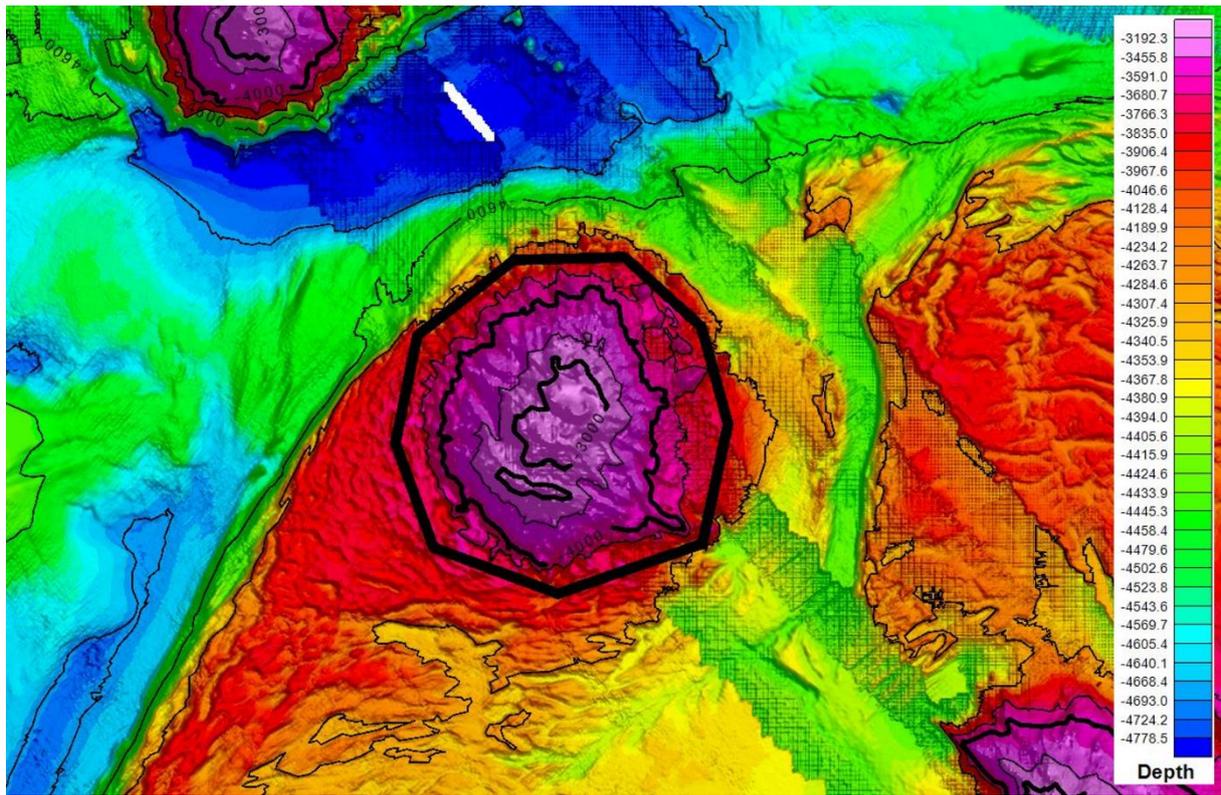


Fig. 3 – Bathymetric grid, contour Line (interval: 200 m) and the polygon.

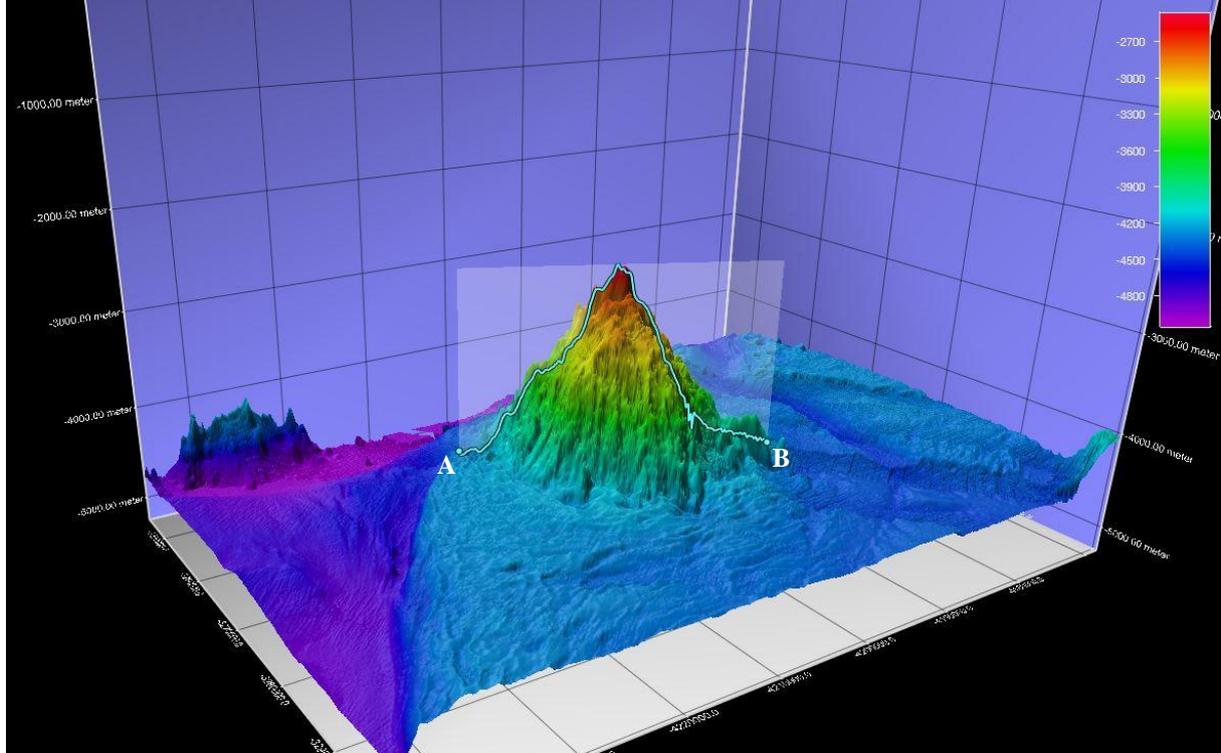


Fig. 4 – 3D - Digital Terrain Model. Bathymetric grid and profile (Application: Fledermaus 7.2.1a).

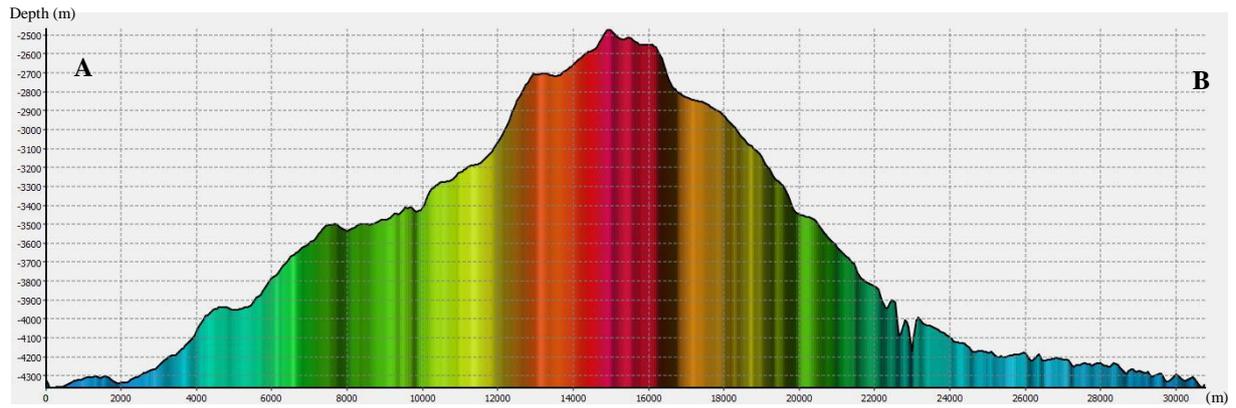


Fig. 5 – Bathymetric profile (Application: Fledermaus 7.2.1a).

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