

UNDERSEA FEATURE NAME PROPOSAL

(Sea NOTE overleaf)

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

Name Proposed:	Epsilon 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) 29°08.9'S	(Central Point) 036°56.3'W
	29° 02.0' S	36° 51.3' W
	29° 06.3' S	36° 47.5' W
	29° 10.6' S	36° 46.7' W
	29° 14.1' S	36° 50.6' W
	29° 18.7' S	36° 59.2' W
	29° 17.5' S	37° 02.2' W
	29° 12.4' S	37° 02.6' W
	29° 06.4' S	37° 01.7' W
	29° 00.3' S	37° 00.7' W
28° 58.8' S	36° 58.1' W	
29° 02.0' S	36° 51.3' W	

Feature Description:	Maximum Depth:	4030 m	Steepness :	15° to 2°
	Minimum Depth :	2465 m	Shape :	Conical
	Total Relief :	1565 m	Dimension/Size :	42 km X 34 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):	Epsilon Crucis Seamount is aligned with the Cruzeiro do Sul Rift, in the Northwest direction. Epsilon Crucis, also known as Intrometida in Portuguese, is an orange to red giant star. It is located in the borders of the Cruzeiro do Sul constellation (in English: South Cross).
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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.	

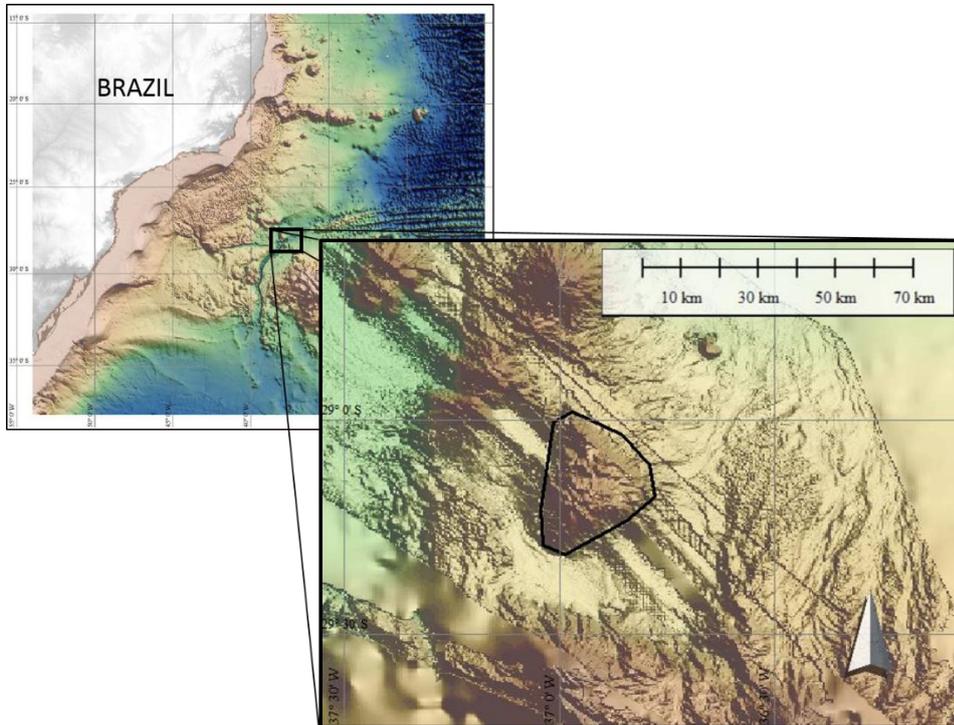


Fig. 1 – Epsilon Crucis Seamount location.

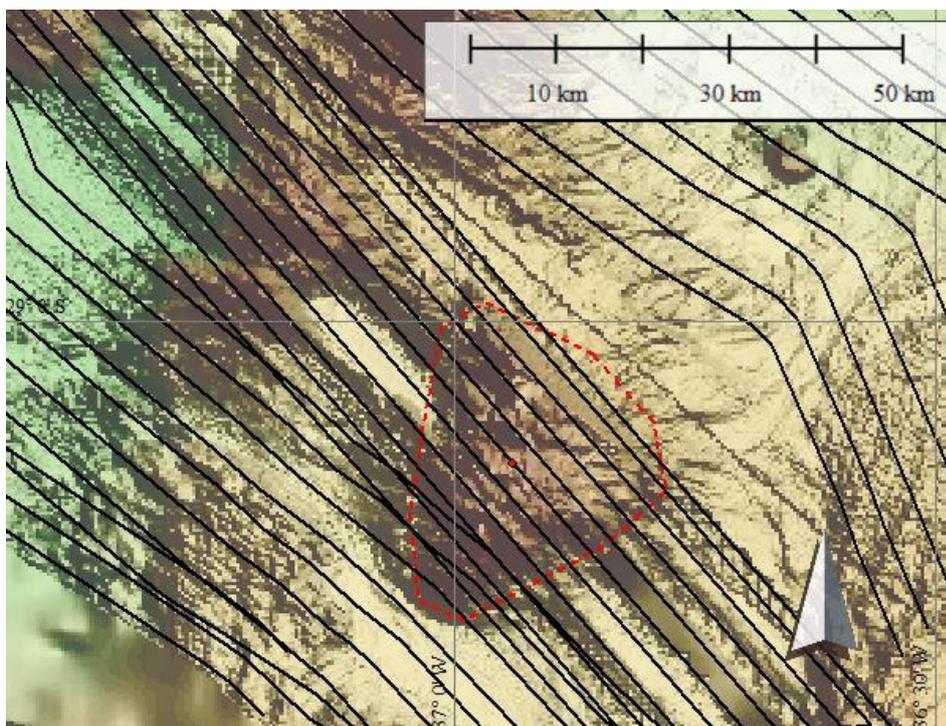


Fig. 2 – Track line. Black lines: multibeam data; Red dot: Epsilon Crucis Seamount central point.

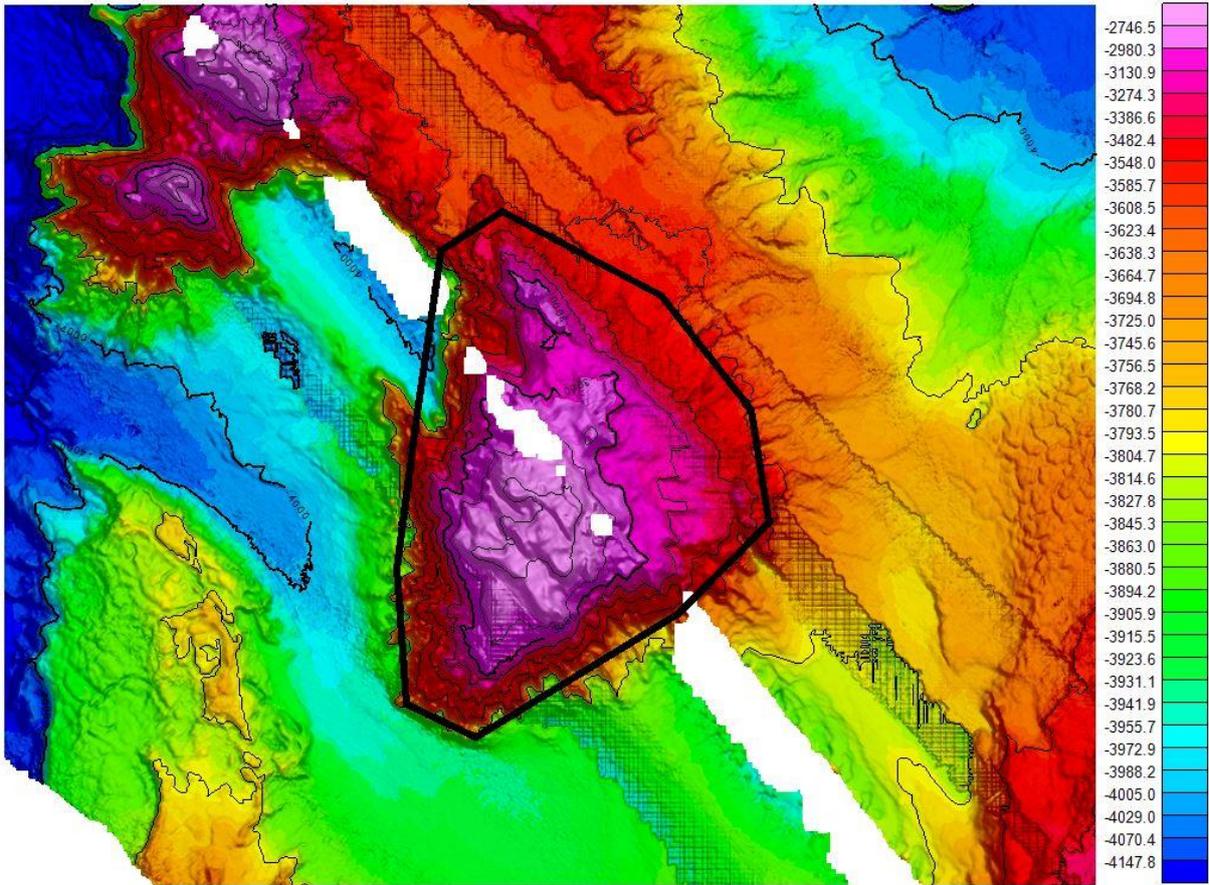


Fig. 3 – Bathymetric grid, contour Line (interval: 200 m) and the polygon.

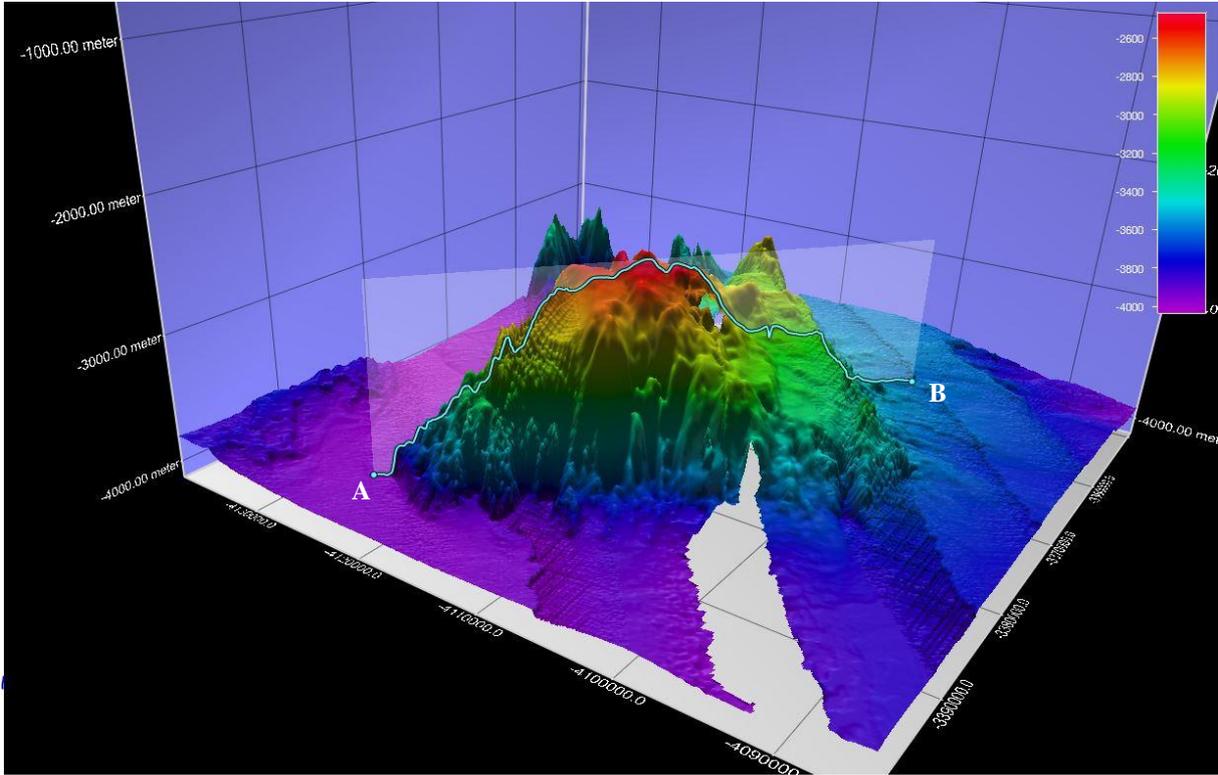


Fig. 4 – 3D - Digital Terrain Model. Bathymetric grid and profile (Application: Fledermaus 7.2.1a).

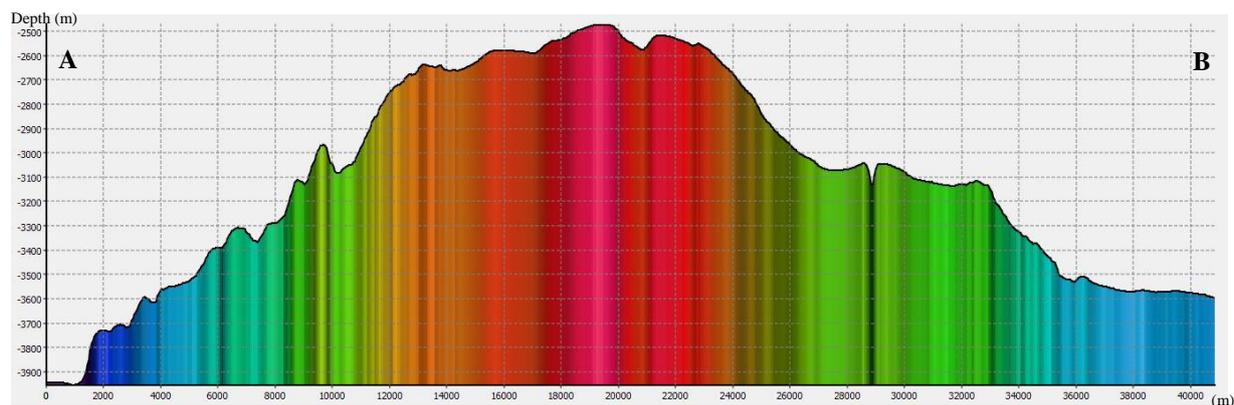


Fig. 5 – Bathymetric profile (Application: Fledermaus 7.2.1a).

Proposer(s):	Name(s):	Directorate of Hydrography and Navigation
	Date:	May 2019
	E-mail:	lorena.sampaio@marinha.mil.br
	Organization and Address:	Directorate of Hydrography and Navigation Barão de Jaceguay Street – Ponta da Armação – Niterói – Rio de Janeiro – Brazil - ZIP code: 24.048-900
	Concurrer (name, e-mail, organization and address):	