

**UNDERSEA FEATURE NAME PROPOSAL**

(Sea NOTE overleaf)

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

<b>Name Proposed:</b>	Beta Crucis Seamount	<b>Ocean or Sea:</b>	Atlantic Ocean
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<b>Geometry</b> 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.

<b>Coordinates:</b>	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
	(Central Point) 28°4.16'S	(Central Point) 038°02.10'W
	27° 59.9' S	37° 59.8' W
	28° 01.9' S	37° 57.9' W
	28° 04.3' S	37° 56.5' W
	28° 07.9' S	37° 59.0' W
	28° 08.5' S	38° 01.5' W
	28° 08.1' S	38° 05.4' W
	28° 04.7' S	38° 07.3' W
	28° 01.2' S	38° 06.1' W
27° 59.4' S	38° 02.3' W	
27° 59.9' S	37° 59.8' W	

<b>Feature Description:</b>	Maximum Depth:	5050 m	Steepness :	30° to 5°
	Minimum Depth :	2360 m	Shape :	Conical
	Total Relief :	2690 m	Dimension/Size :	19 km X 18 km (approximately)

<b>Associated Features:</b>	Cruzeiro do Sul Rift, Bigarella Seamount, Bigarella Hill, Vema Seachannel
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	
	Within Area of Map/Chart:	Nautical Chart 1 and 10

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	Beta Crucis Seamount is aligned with the Cruzeiro do Sul Rift in the Northwest direction. Beta Crucis is the second-brightest visible star of the Cruzeiro do Sul constellation (in English: South Cross), in the southern hemisphere. Beta Crucis, also known as Mimosa in Portuguese, is blue-white and is located at the left point of the crossbar of the Southern Cross, when you are facing south.
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<b>Discovery Facts:</b>	Discovery Date:	Unknown
	Discoverer (Individual, Ship):	Unknown

<b>Supporting Survey Data, including Track Controls:</b>	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.	

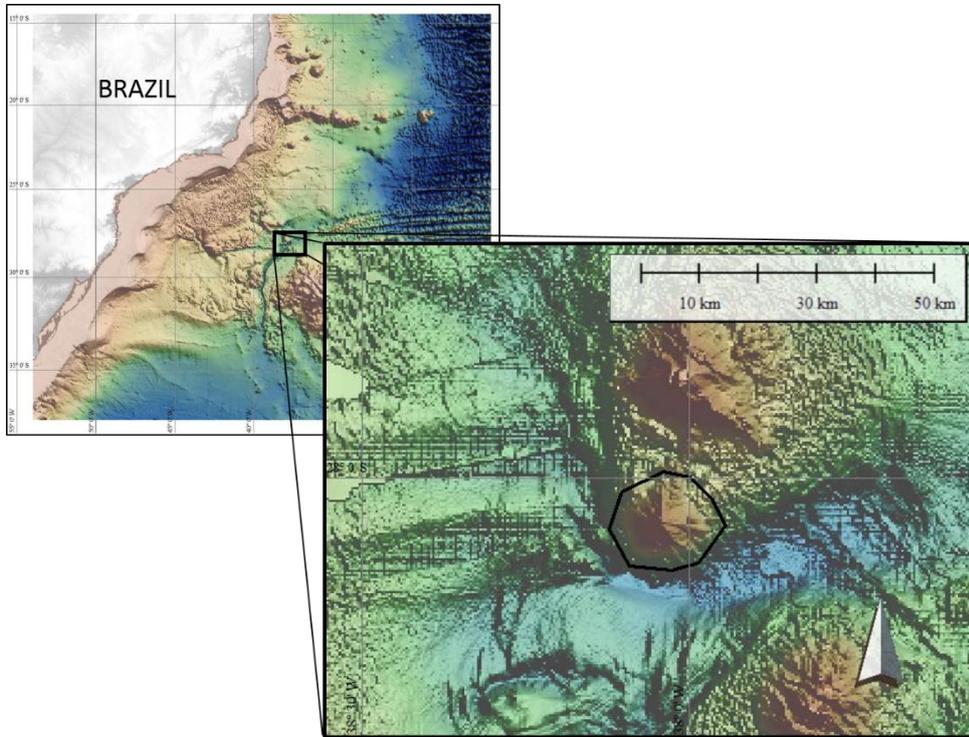


Fig. 1 – Beta Crucis Seamount location.

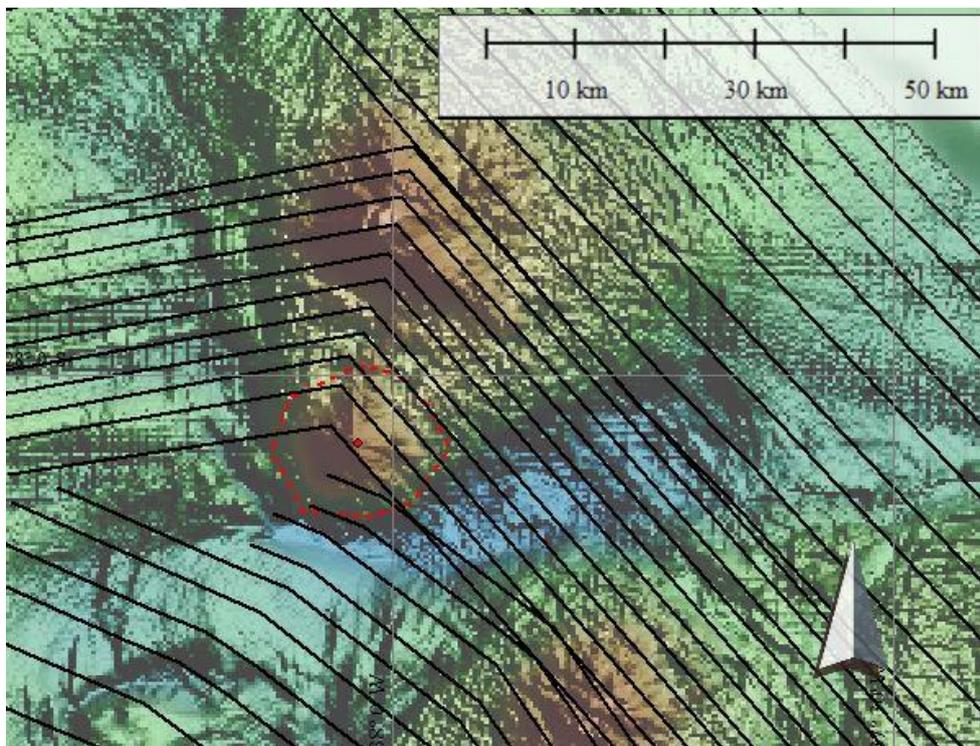


Fig. 2 – Track line. Black lines: multibeam data; Red dot: Beta Crucis Seamount central point.

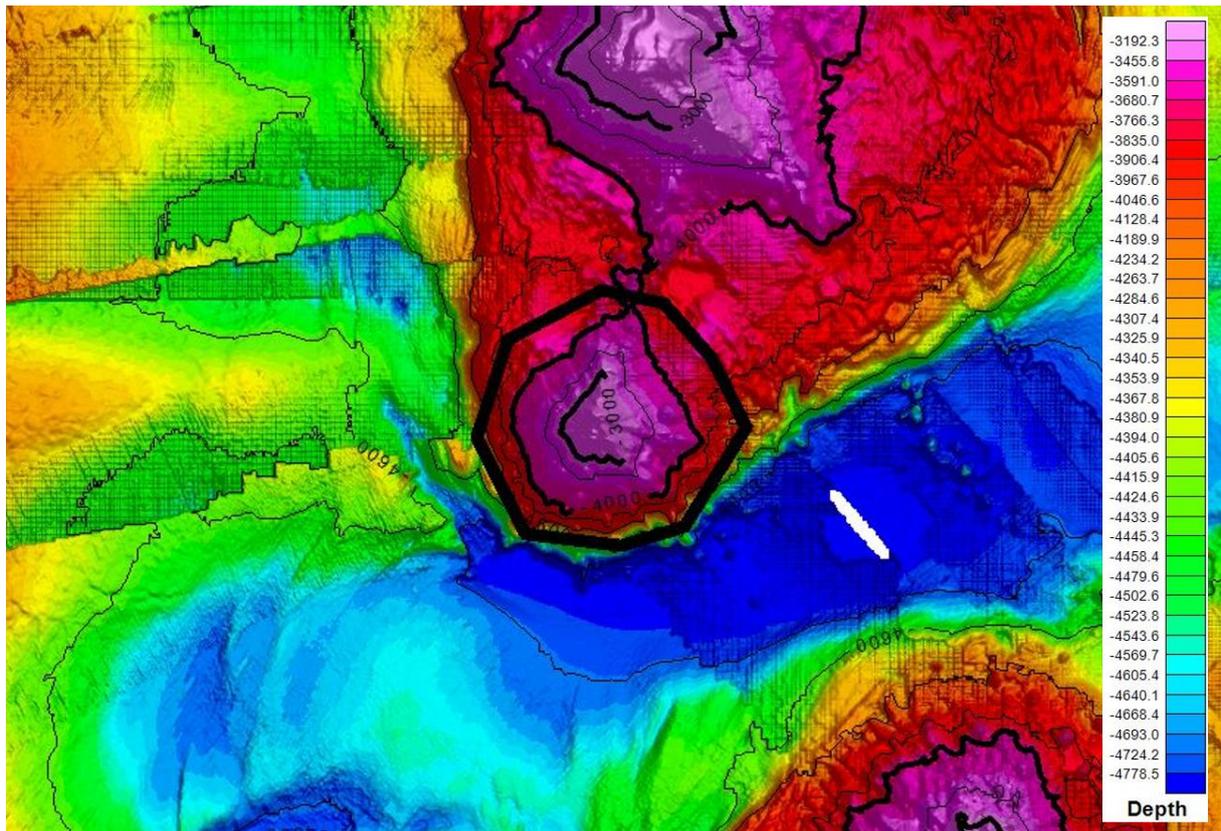


Fig. 3 – Bathymetric grid, contour Line (interval: 200 m) and the polygon.

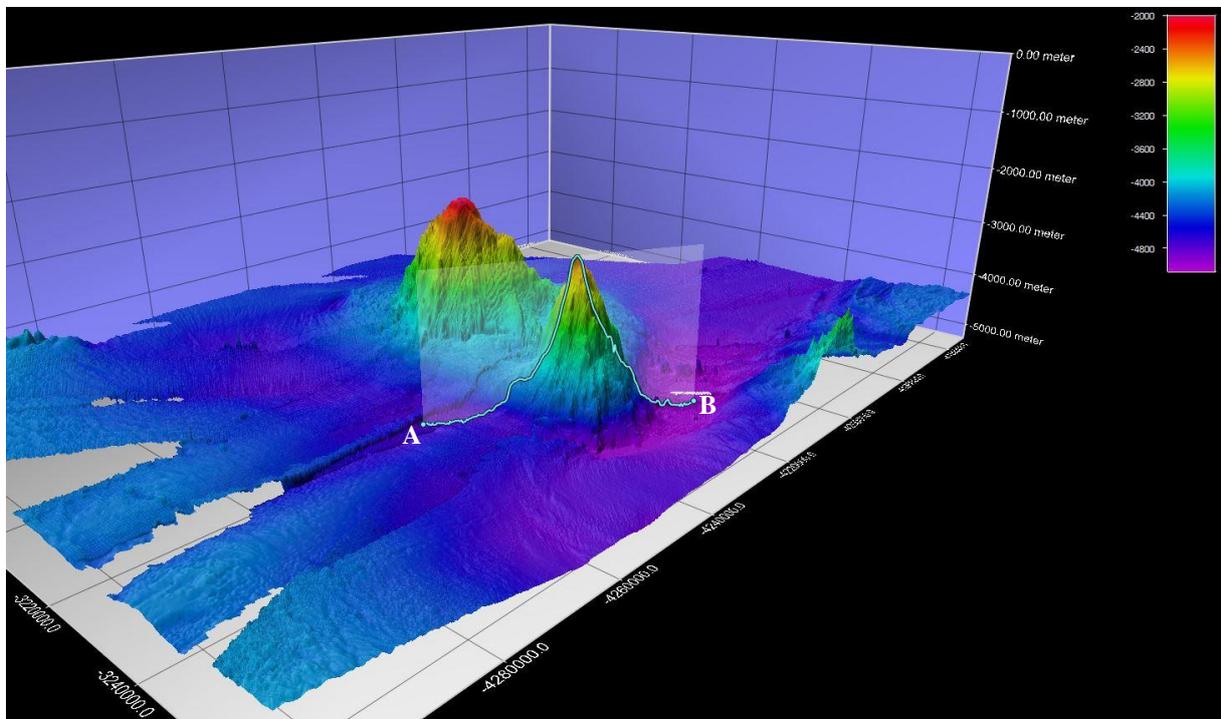


Fig. 4 – 3D - Digital Terrain Model. Bathymetric grid and profile (Application: Fledermaus 7.2.1a).

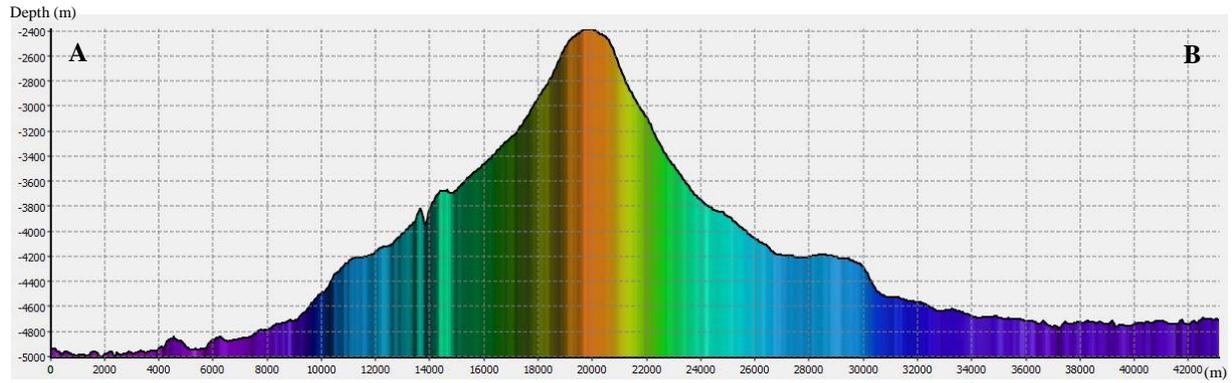


Fig. 5 – Bathymetric profile (Application: Fledermaus 7.2.1a).

<b>Proposer(s):</b>	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):	