

**UNDERSEA FEATURE NAME PROPOSAL**

(Sea NOTE overleaf)

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

<b>Name Proposed:</b>	Gama 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° 38.7' S	(Central Point) 37° 23.9' W
	28° 33.4' S	37° 27.8' W
	28° 34.3' S	37° 29.4' W
	28° 36.2' S	37° 28.5' W
	28° 39.0' S	37° 28.8' W
	28° 40.8' S	37° 30.3' W
	28° 44.7' S	37° 28.5' W
	28° 45.2' S	37° 22.1' W
	28° 38.2' S	37° 16.9' W
28° 34.0' S	37° 20.5' W	
28° 33.4' S	37° 27.8' W	

<b>Feature Description:</b>	Maximum Depth:	4570 m	Steepness :	55° to 1°
	Minimum Depth :	2225 m	Shape :	Conical
	Total Relief :	2345 m	Dimension/Size :	27 km X 20 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):	Gama Crucis Seamount is aligned with the Cruzeiro do Sul Rift, in the Northwest direction. Gama Crucis is the third-brightest star in the Cruzeiro do Sul constellation (in English: South Cross), in the southern hemisphere. Gama Crucis, also known as Rubidea in Portuguese, is a bright red giant located at the northern point of the crossbar of the South 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
	Survey Ship:	RV Marion Dufresne
	Sounding Equipment:	THOMSON TSM 5265B/ Seafalcon 11
	Type of Navigation:	GPS
	Estimated Horizontal Accuracy (nm):	
	Survey Track Spacing:	15 km - 4 km – Full bottom covered

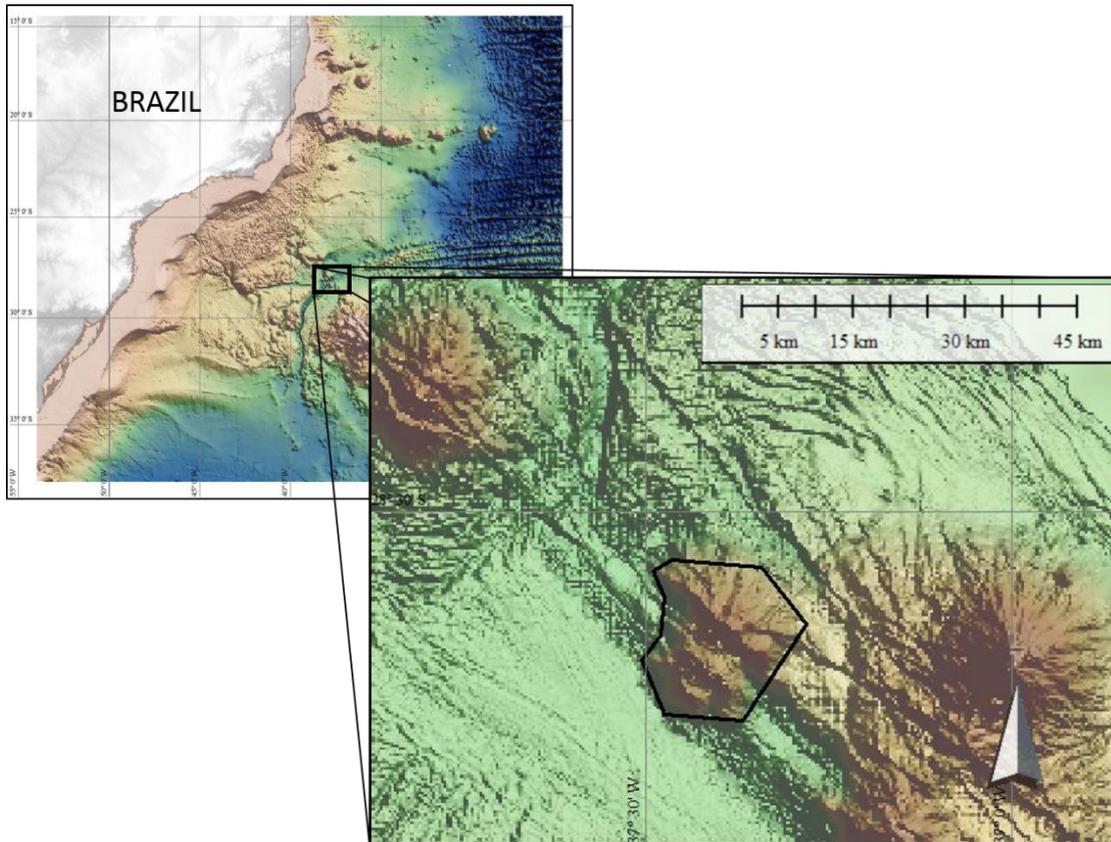


Fig. 1 – Gama Crucis Seamount location.

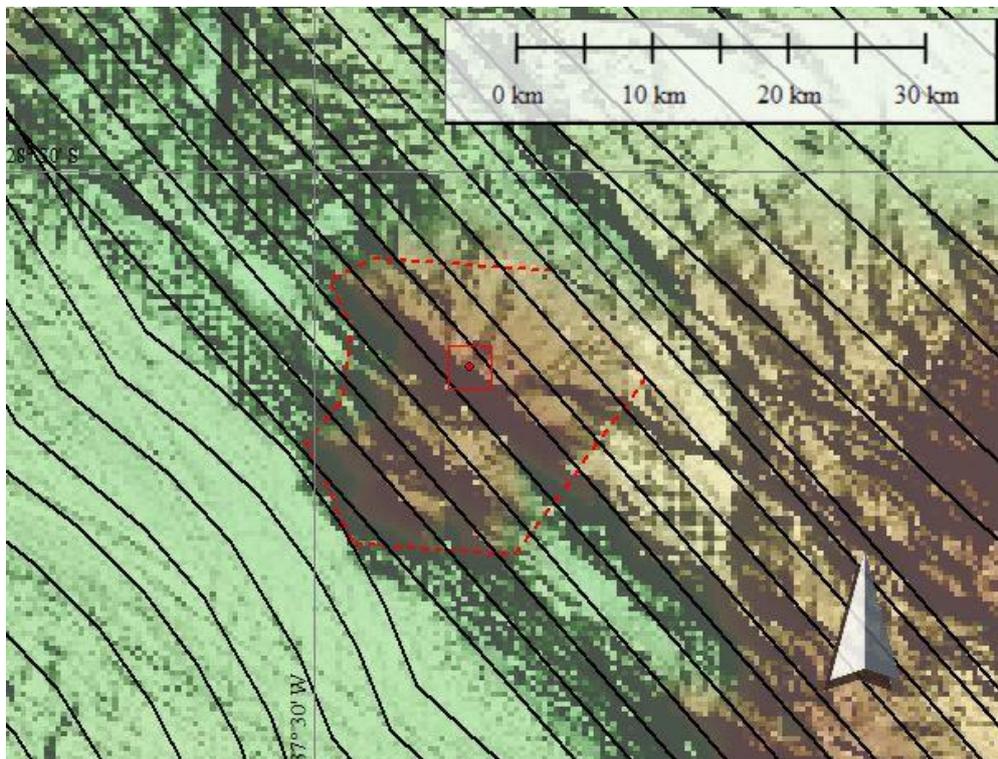


Fig. 2 – Track line. Black lines: multibeam data; Red dot: Gama Crucis Seamount central point.

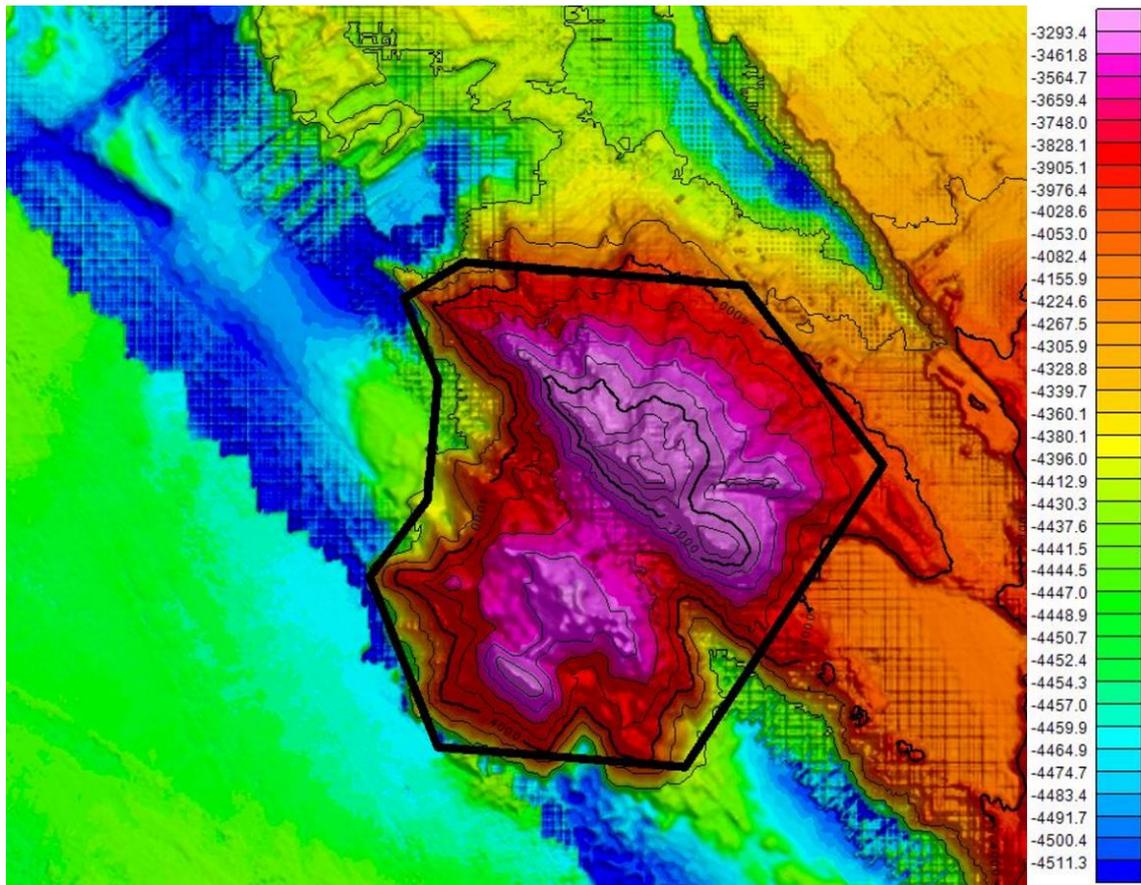


Fig. 3 – Bathymetric grid, contour Line (interval: 200 m) and the polygon.

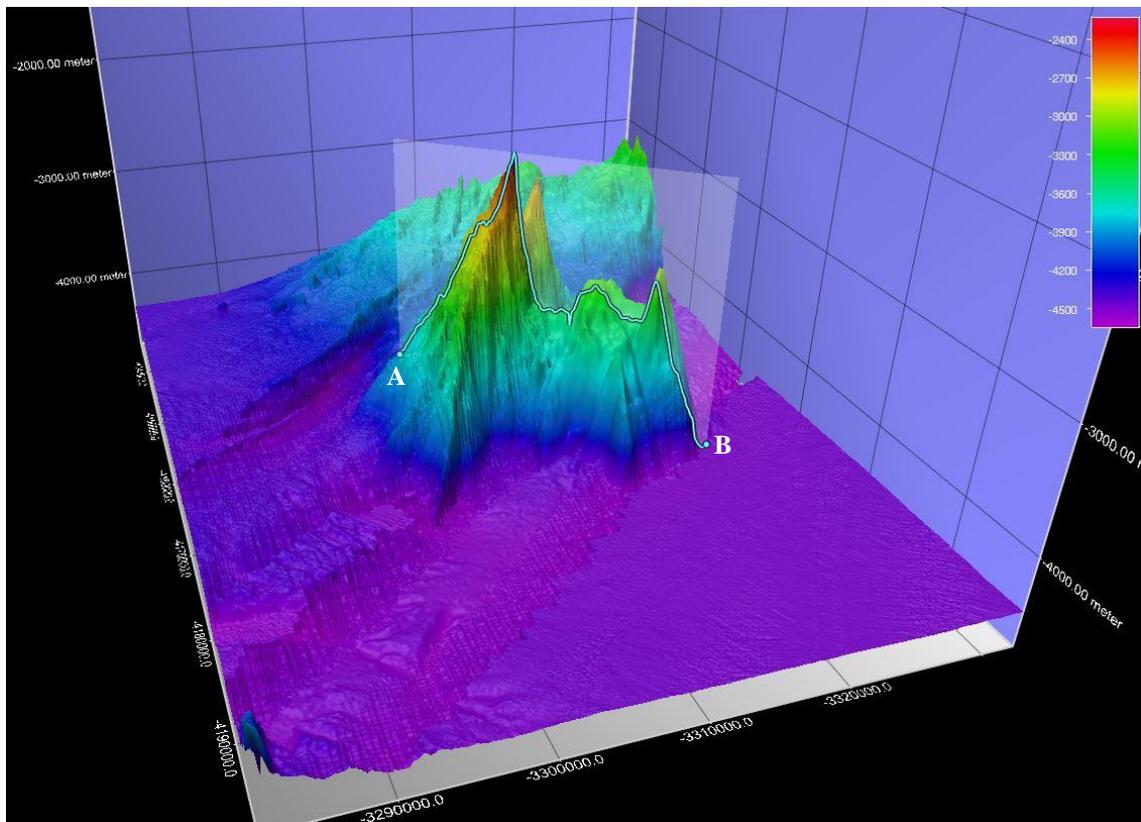


Fig. 4 – 3D - Digital Terrain Model. Bathymetric grid and profile (Application: Fledermaus 7.2.1a).

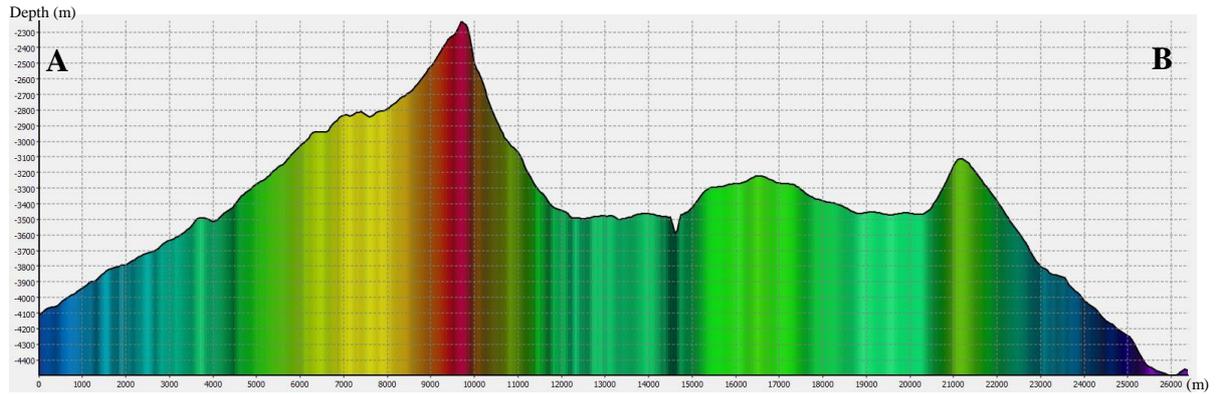


Fig. 5 – Bathymetric profile (Application: Fledermaus 7.2.1a).

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