

UNDERSEA FEATURE NAME PROPOSAL

Name Proposed:	Cruzeiro do Sul Rift	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.

	Lat.	Long.
Coordinates:	(Central Point) 31°59.48'S	(Central Point) 33°15.95'W
	29°45.53'S	37°03.58'W
	30°31.60'S	36°02.33'W
	30°59.27'S	35°05.63'W
	31°36.32'S	33°50.45'W
	32°48.63'S	32°30.33'W
	33°43.50'S	31°16.38'W
	34°18.40'S	30°14.75'W
	34°37.80'S	28°52.17'W

Feature Description:	Maximum Depth: - 5300 m	Steepness:
	Minimum Depth : -630 m	Shape: Elongated
	Total Relief:	Dimension/Size: 1200 Km (approximately)

Associated Features: Rio Grande Plateau, Rio Grande Leste Plateau, Rio Grande Oeste Plateau and Konstantinov Ridge

Chart/Map References:	Shown Named on Map/Chart: Shown Unnamed on Map/Chart: 30 (201) Within Area of Map/Chart: 30 (201)
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Reason for Choice of Name: Cruzeiro do Sul is the name of a five star constellation that indicates the South Pole. They became used as a national symbol by several southern nations and also appear in the Brazilian flag. The feature proposed is located in the Cruzeiro do Sul

deformation zone, already described in scientific works.

Discovery Facts:

Discovery Date: -----
Discoverer (Individual, Ship): -----

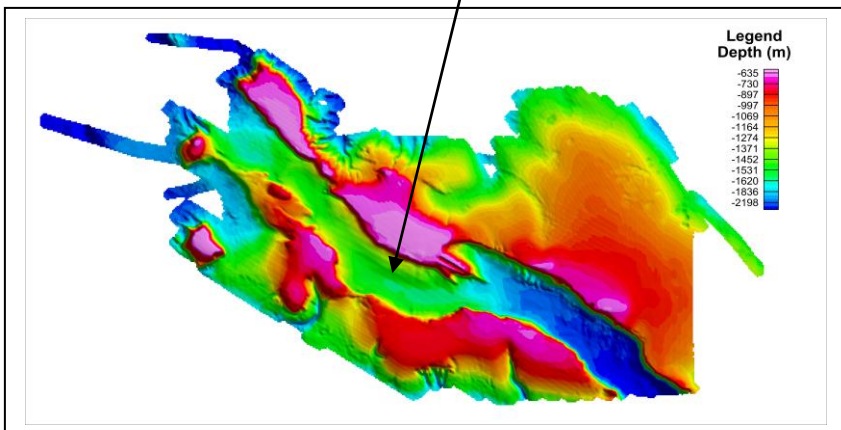
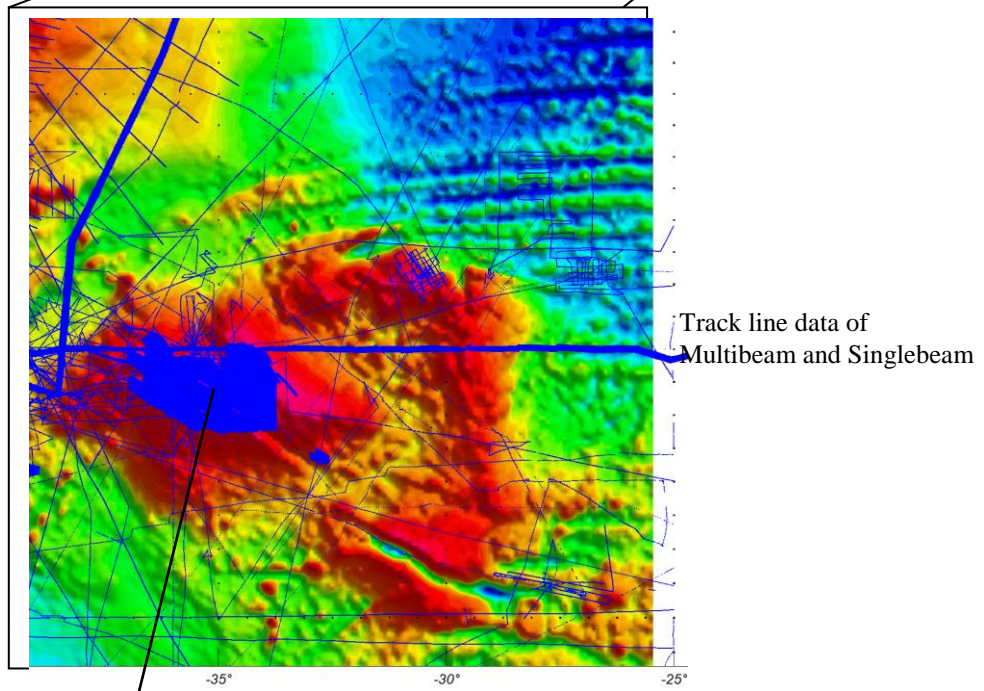
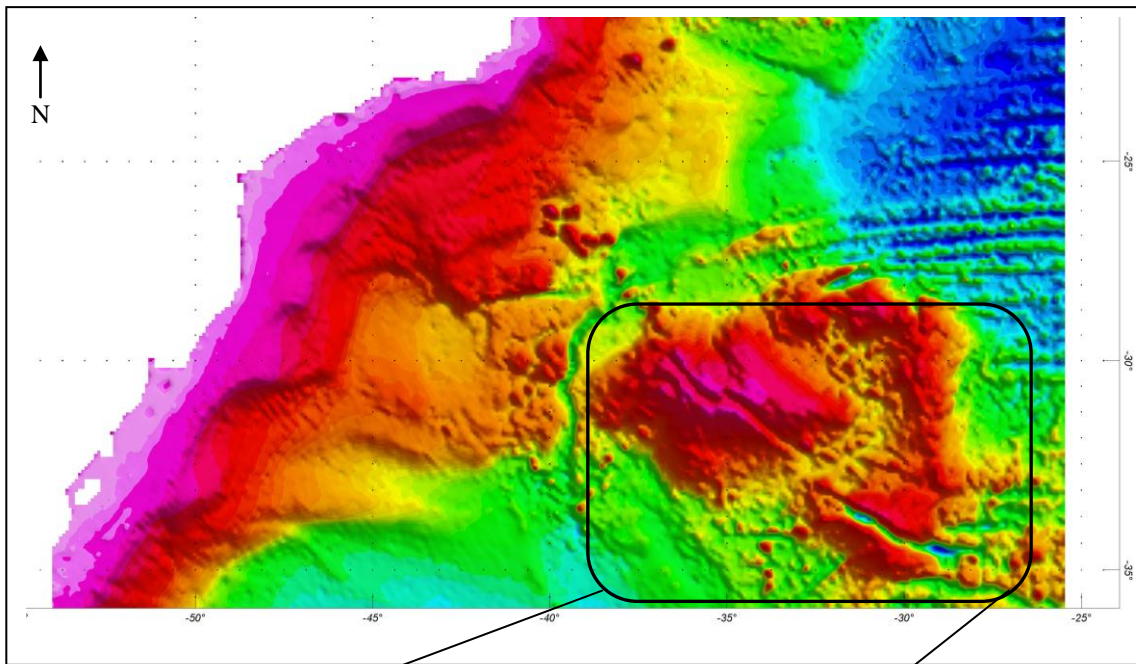
**Supporting Survey Data,
including Track Controls:**

Date of Survey: 1966 - Abril/2010 - November/2003 to
December/ 2003
Survey Ship: R/V Vema - NHi Sírius - R/V Mirai
Sounding Equipment: Multibeam – Simrad EM 302 - Sea Beam
2112.004
Type of Navigation: GPS
Estimated Horizontal Accuracy (nm):
Survey Track Spacing: 4 km

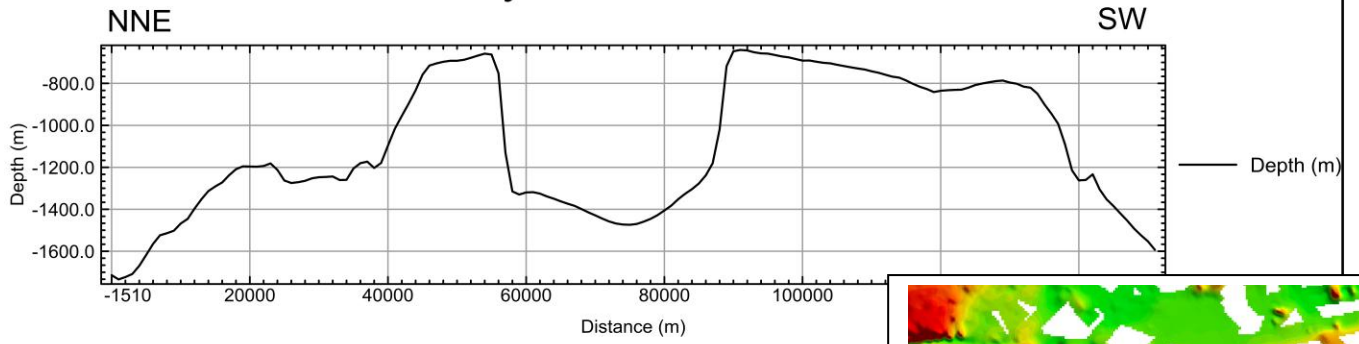
Remarks: This proposal was presented in 23rd SCUFN Meeting as Cruzeiro do Sul Southeast Escarpment and Cruzeiro do Sul Northwest Escarpment. The SCUFN suggested renaming both as a single one rift feature.

The amount of data in part of this area is very poor so that all bathymetric profiles shown in southeast part were extracted by the grid which was built with acquired data and ETOPO2.

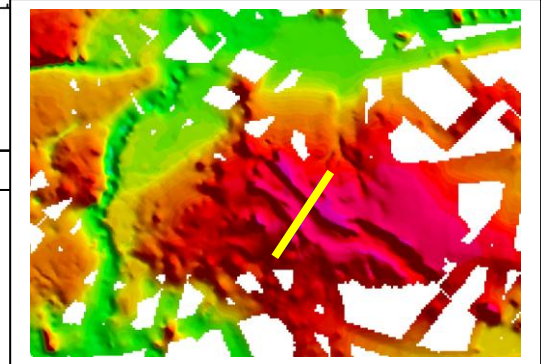
Location of Cruzeiro do Sul Rift



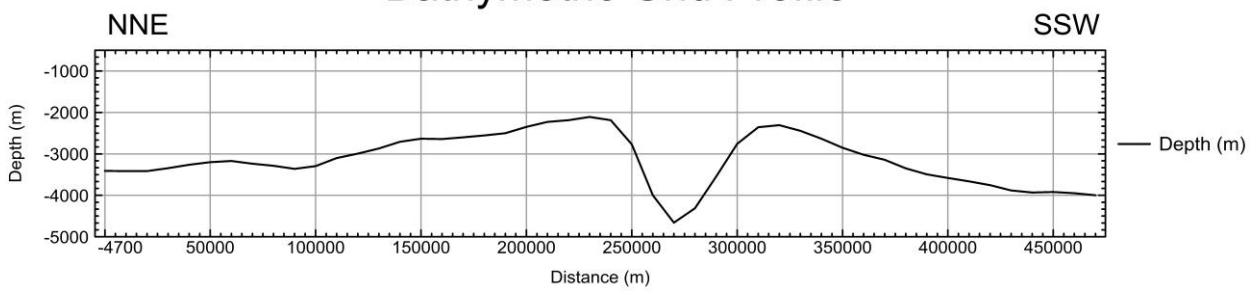
Bathymetric Grid Profile



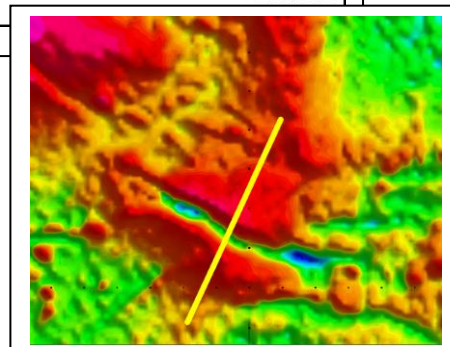
Sirius: L5



Bathymetric Grid Profile



L0



-30°

Proposer(s):

Name(s): Directorate of Hydrography and Navigation

Date: August 2011

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Concurrer (name, e-mail, organization and address):