

UNDERSEA FEATURE NAME PROPOSAL

Name Proposed:	Natal Canyon	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					

* Geometry should be clearly distinguished when providing the coordinates below.

	Lat.	Long.
Coordinates:	(Central Point) 05°42.73' S	(Central Point) 34°38.25' W
	5°58.78' S	34°52.12' W
	5°58.20' S	34°50.96' W
	5°57.32' S	34°51.23' W
	5°55.92' S	34°50.50' W
	5°54.60' S	34°50.98' W
	5°52.60' S	34°50.32' W
	5°51.62' S	34°50.35' W
	5°49.23' S	34°48.65' W
	5°45.03' S	34°45.35' W
	5°43.33' S	34°40.85' W
	5°42.88' S	34°37.45' W
	5°41.57' S	34°34.15' W
	5°39.92' S	34°31.17' W
	5°37.23' S	34°28.50' W
	5°35.47' S	34°25.67' W
	5°32.95' S	34°21.15' W
	5°42.75' S	34°39.18' W
	5°41.15' S	34°43.32' W
	5°36.47' S	34°47.38' W
	5°34.00' S	34°48.60' W
	5°42.02' S	34°47.12' W
	5°42.02' S	34°49.13' W
	5°42.45' S	34°52.33' W

Feature Description:	Maximum Depth: 3960 m	Steepness: 9° - 23°
	Minimum Depth : 300 m	Shape: channel with V and asymmetric shapes. There are three principals channels ramification in the upper slope up to 3100 m depth which join in one major elongated channel up to 4000 m depth approximately.
	Total Relief: 3660 m.	Dimension/Size: 100 Km – from 2 km to 6,5 km width and from 250 m to 600 m height.

Associated Features: Rio Grande do Norte Plateau, Rio Grande do Norte Seamount and Othon Leonardos Seamount.

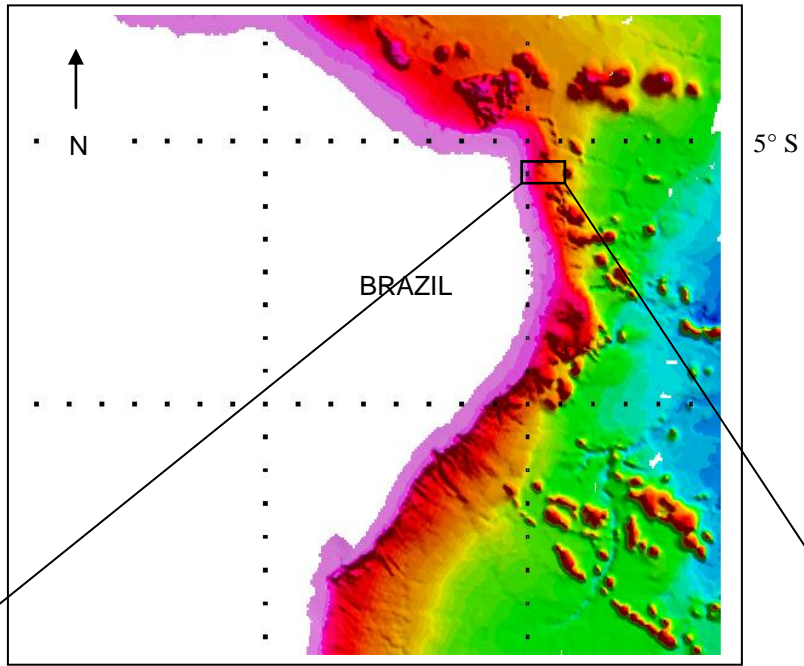
Chart/Map References: Shown Named on Map/Chart:
Shown Unnamed on Map/Chart:
Within Area of Map/Chart: 1, 20 (INT 202), 19002 (INT 22), 21030 (INT 2007) and 22100 (INT 2114)

Reason for Choice of Name: The feature proposed is offshore Natal City, in the northeastern Brazilian continental margin.

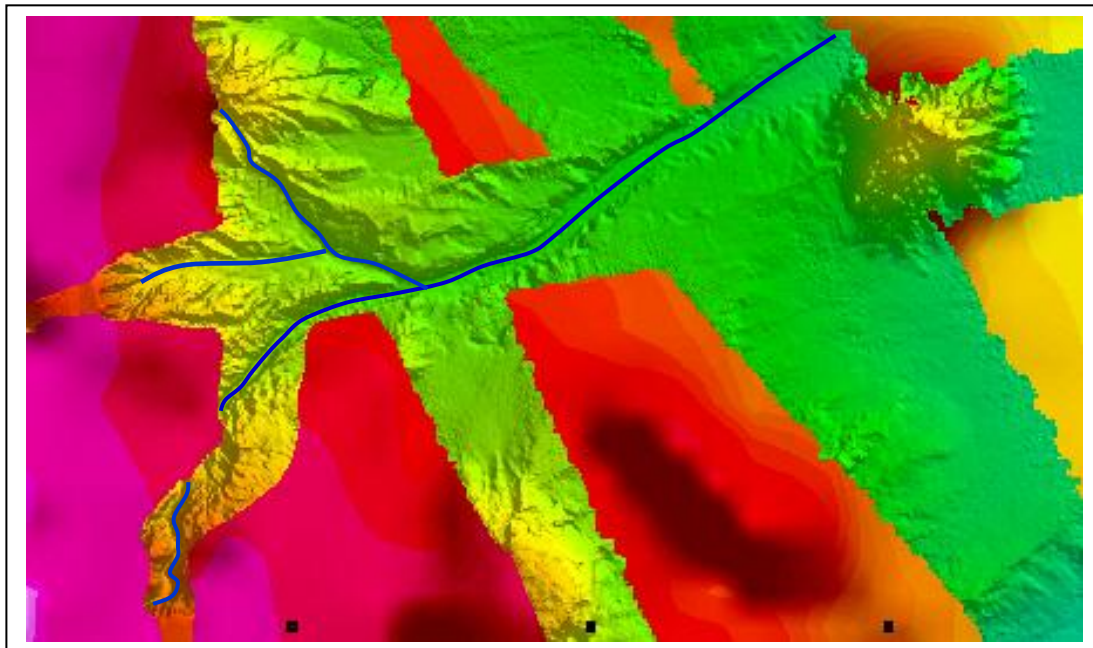
Discovery Facts: Discovery Date
Discoverer (Individual, Ship):

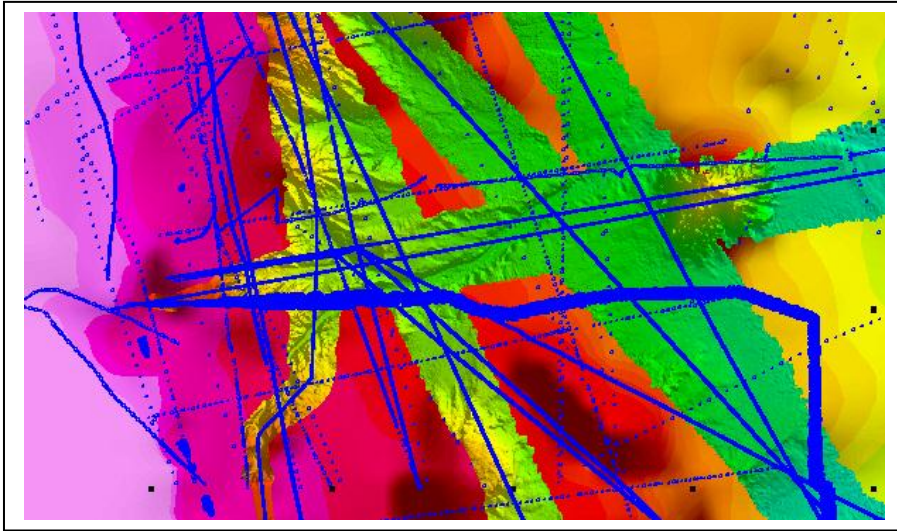
Supporting Survey Data, including Track Controls: Date of Survey: August 2009
Survey Ship: Sea Surveyor – Brazilian Continental Shelf Project
Sounding Equipment: Multibeam -Kongsberg– Simrad EM 122
Type of Navigation: GPS
Estimated Horizontal Accuracy (nm):
Survey Track Spacing: 4 km

Location of Natal Canyon

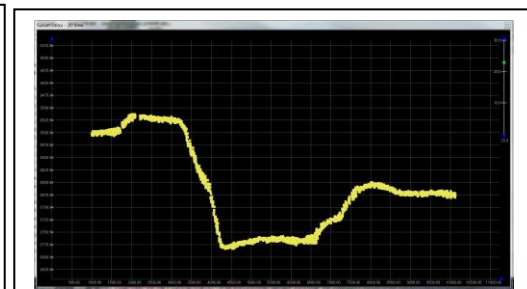
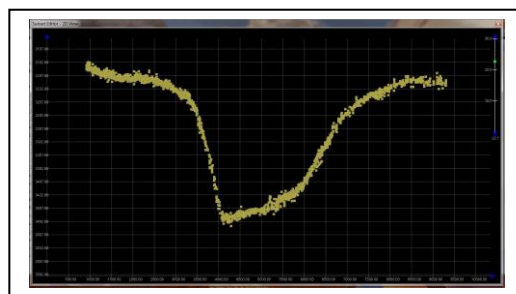
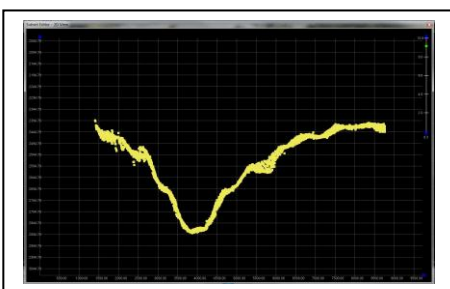
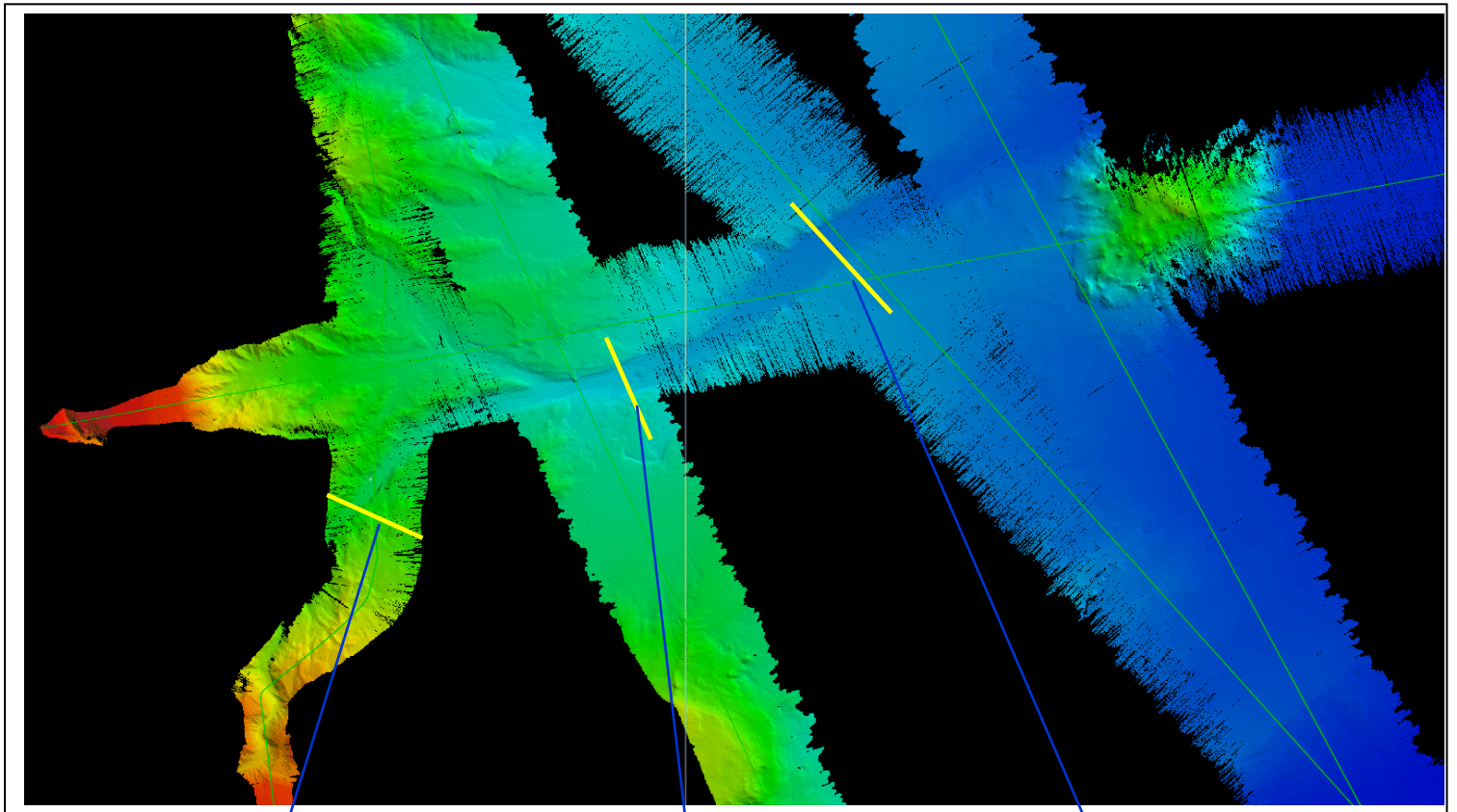


40° W





Track line data of Multibeam and Singlebeam



Remarks: The Natal Canyon is well known since 70's and it has been mentioned in many scientific papers and publications for instance REMAC Project – Geomorphology of the Brazilian Continental Margin and adjacent oceanic areas.

References: Zembruski *et al.*, 1972, Damuth, 1973 in REMAC Project – Geomorphology of the Brazilian Continental Margin and adjacent oceanic areas, 111 - 113.

Proposer(s):

Name(s): Directorate of Hydrography and Navigation

Date: August 2012

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