INTERNATIONAL HYDROGRAPHIC ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

IHO/IOC Form No. 1

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

Ocean or Sea Atlantic Ocean Name proposed Zembruscki Seamount

Coordinates : **A** - of midpoint or summit : Lat. 12° 46' 07"S , Long. 32° 35'30"

___ kilometres in _____direction from _____

and/or **B** - extremities (if linear feature) :

Lat. _____ } to { Lat. _____

Long. _____ Long. _____

Description (kind of feature) : Seamount

Identifying or categorizing characteristics (shape, dimensions, total relief, least depth, steepness, etc.):

The basal depth exceeds 4500 m and its top 2080 m. It has a classical conical shape.

Associated features : Bahia Seamounts

Chart reference :

Shown with name on chart No. _____

Shown but not named on chart No. _____

Not shown but within area covered by chart No INT 202

Reason for choice of name (if a person, state how associated with the feature to be named) : Dr. Sylvio Geraldo. Zembruscki was a marine geologist and worked all his life at PETROBRAS (Brazilian Energy Company). He carried out some of the extensive marine geophysical research along the Brazilian Continental Margin. He was the coordinator of REMAC program, the first Brazilian project to knowledge the continental margin. He also participated at expedition to Alaska and was the scientific chief of many expedition at the Brazilian continental margin..

Discovery facts :

Date 1989 by (individuals or ship) R.V. Conrad

By means of (equipment) : Multibeam echosounding system

Navigation used : GPS

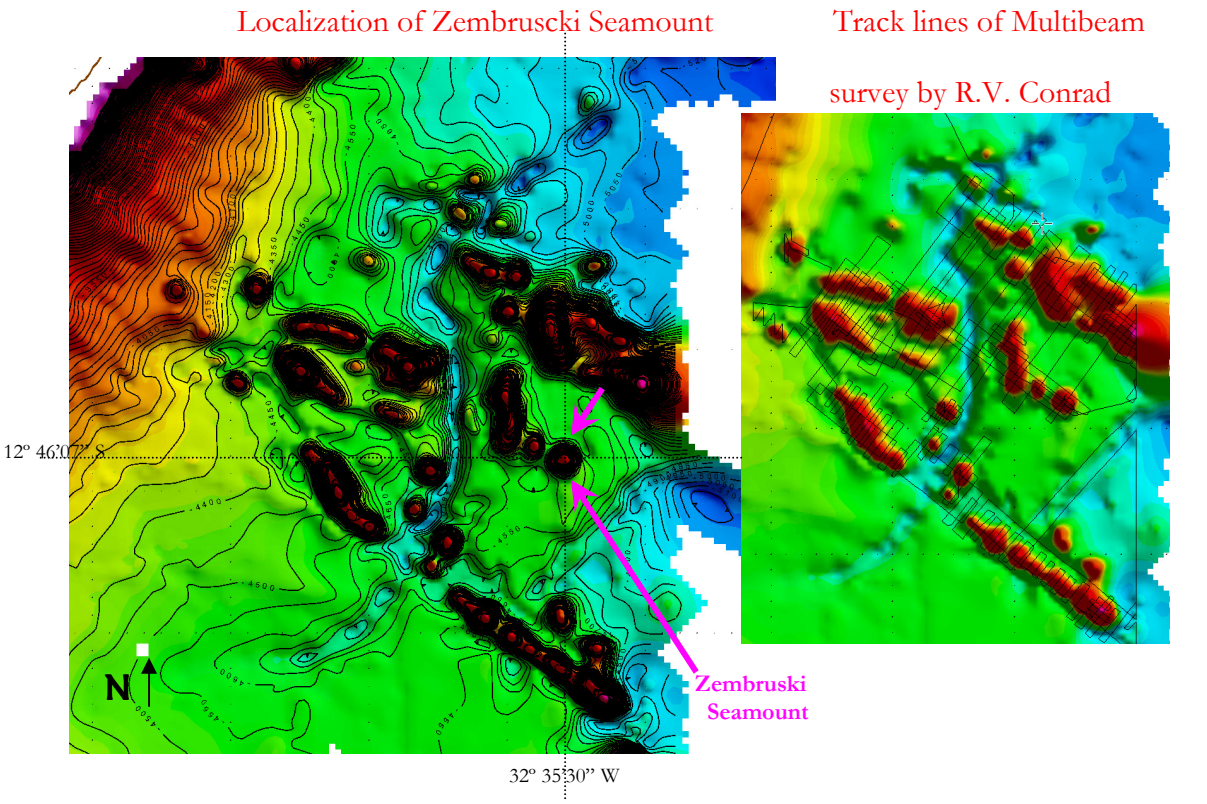
Estimated positional accuracy in nautical miles : 0.1M

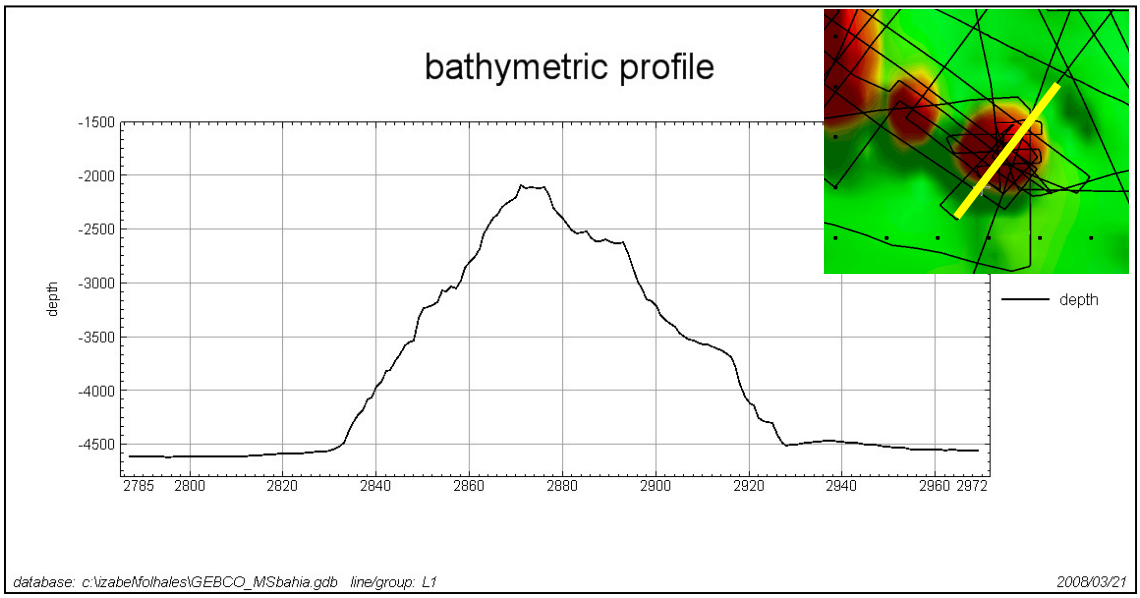
Description of survey (track spacing, line crossing, grid network, etc.) : Bathymetric track spacing profiles vary from 3000 m to 9000m

Nature and repository of other survey activities (dredge samples, cores, magnetics, gravity,

photographs, etc.) :
Dredge samples, multibeam, proton-precession magnetometer, gravimetry, single channel seismic profiler

Supporting material : enclose, if possible, a sketch map of the survey area, profiles of the features, etc.,





with reference to prior publication, if any : Reference: N.Z. Cherckis, D.A. Chayes and L.C. Costa. The bathymetry and distribution of the Bahia Seamounts, Brazil Basin, 1991.

Submitted by : Brazilian Navy Hydrographic Center

Date : April , 2008

Address : Barao de Jaceguay Street – Ponta da Armação – Niterói – Rio de Janeiro - Brazil

ZIP code: 24.048-900

Concurred in by (if applicable) : _____

Address : _____

_____

National Authority (if any) : Directorate of Hydrographic and Navigation - DHN

Address : Barao de Jaceguay Street – Ponta da Armação – Niterói – Rio de Janeiro - Brazil

ZIP code: 24.048-900

NOTE : This form should be forwarded, when completed :

a) **If the undersea feature is located in territorial waters** :-
to your "National Authority for Approval of Undersea Feature Names" or, if this does not exist or is not known, either to the International Hydrographic Bureau or to the Intergovernmental Oceanographic Commission (see addresses below);

b) **If the undersea feature is located in international waters** :-
to the International Hydrographic Bureau or to the Intergovernmental Oceanographic Commission, at the following addresses :

International Hydrographic Bureau
4, quai Antoine 1er
B.P. 445
MC 98011 MONACO CEDEX
Principality of MONACO
Fax: +377 93 10 81 40
E-mail: info@ihb.mc

Intergovernmental Oceanographic Commission
UNESCO
Place de Fontenoy
75700 PARIS
FRANCE
Fax: +33 1 45 68 58 12
E-mail : info@unesco.org

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