

UNDERSEA FEATURE NAME PROPOSAL
(See IHO-IOC Publication B-6 and **NOTE** overleaf)

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

Name Proposed:	Jokat Seamount (or Wilfried Jokat Seamount or Wilfried Seamount)	Ocean or Sea:	South Atlantic
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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. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
Coordinates:	32°13.5'S	32°01.1'W
	32°15.2'S	31°58.4'W
	32°17.6'S	31°55.8'W
	32°21.9'S	31°52.3'W
	32°23.9'S	31°51.8'W
	32°26.5'S	31°55.4'W
	32°27.1'S	32°02.9'W
	32°26.1'S	32°07.4'W
	32°22.9'S	32°15.3'W
	32°21.7'S	32°17.6'W
	32°19.9'S	32°18.8'W
	32°18.9'S	32°16.7'W
	32°17.1'S	32°16.6'W
	32°15.5'S	32°18.2'W
	32°12.5'S	32°18.5'W
	32°10.3'S	32°11.9'W
32°11.4'S	32°04.7'W	
32°13.5'S	32°01.1'W	

Feature Description:	Maximum Depth:	4222 m	Steepness :	Mean 5°/ Max 41°
	Minimum Depth :	1658 m	Shape :	ridge-like
	Total Relief :	2564 m	Dimension/Size :	47x27 km/1115 km ²

Associated Features:	Rio Grande Rise/Bromley Plateau
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	BA4201
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Wilfried Jokat has published important papers about the interplay between tectonics and mantle plumes in the South Atlantic that have raised the key questions of our ongoing expedition MSM82 to the Rio Grande Rise. W.J. was actually one of the initiators of the MSM82 expedition. He has been a leader in the German Marine Geophysics community for the past three decades. W.J. has made fundamental contributions to our knowledge about continental (Pangaea) breakup, structure of passive continental margins, and the evolution of seamount chains in the South Atlantic. He is also a highly respected polar geophysicist who has also made fundamental contributions to our understanding about Arctic and
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	Antarctic geoscience.	
Discovery Facts:	Discovery Date:	?
	Discoverer (Individual, Ship):	? (satellite altimetry)
Supporting Survey Data, including Track Controls:	Date of Survey:	31.03.2019
	Survey Ship:	R/V Maria S. MERIAN
	Sounding Equipment:	Kongsberg EM122
	Type of Navigation:	SeaTex Seapath 320
	Estimated Horizontal Accuracy, in nautical miles (M):	Navigation (DGPS): <0.0005 M Grid resolution 0.054 M
	Survey Track Spacing:	varying (~5 M)
	Supporting material can be submitted as Annex in analog or digital form.	
Proposer(s):	Name(s):	Wolfram Geissler, John O'Connor, Peter Hackspacher
	Date:	02.04.2019
	E-mail:	Wolfram.Geissler@awi.de
	Organization and Address:	Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung, Am Alten Hafen 26, 27568 Bremerhaven, Germany
	Concurrer (name, e-mail, organization and address):	John O'Connor, j.m.oconnor@vu.nl, Earth and Life Sciences, VU University Amsterdam, De Boelelaan 1085, 1081 HV Amsterdam, The Netherlands Peter Hackspacher, peter.hackspacher@unesp.br, Department of Petrology and Metalogeny, Institut of Geociencia and Exact Sciences, São Paulo State University- UNESP, São Paulo, Brazil
Remarks:	To support the choice of the name of a living person we have added a list of publications demonstrating the impact of Wilfried Jokat's contribution to ocean science. We wish to honor W.J. in this way because he retired from his official position on March 31, 2019, the same day we mapped Jokat Seamount. Digital bathymetry data can be made available if requested.	

NOTE: This form should be forwarded, when completed:

- a) **If the undersea feature is located inside the external limit of the territorial sea:**
- to your "National Authority for Approval of Undersea Feature Names" (see Publication B-6) or, if this does not exist or is not known, either to the IHO or to the IOC (see addresses below);
- b) **If at least 50 % of the undersea feature is located outside the external limits of the territorial sea:**
- to the IHO or to the IOC, at the following addresses :

International Hydrographic Organization (IHO) 4b, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX <u>Principality of MONACO</u> Fax: +377 93 10 81 40	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12
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Web: <http://ioc-unesco.org/>