

**UNDERSEA FEATURE NAME PROPOSAL**  
(Sea NOTE overleaf)

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

<b>Name Proposed:</b>	Nachtigaller Hill	<b>Ocean or Sea:</b>	Weddell Sea
-----------------------	-------------------	----------------------	-------------

<b>Geometry that best defines the feature (Yes/No) :</b>						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
Yes	No	Yes	No	No	No	No

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

<b>Coordinates:</b>	Lat.	Long.
	Central Point: 63°54.18'S  Polygon corners: Pt 1: 63° 50.78' S Pt 2: 63° 51.27' S Pt 3: 63° 53.63' S Pt 4: 63° 56.60' S Pt 5: 63° 57.52' S Pt 6: 63° 56.56' S Pt 7: 63° 53.62' S Pt 8: 63° 51.46' S	055°36.44'W   055° 42.039' W 055° 35.364' W 055° 29.005' W 055° 28.405' W 055° 32.287' W 055° 36.634' W 055° 42.234' W 055° 44.574' W

<b>Feature Description:</b>	<b>Maximum Depth:</b>	430 m	<b>Steepness :</b>	0°-52°
	<b>Minimum Depth :</b>	20 m	<b>Shape :</b>	Elliptical
	<b>Total Relief :</b>	410 m	<b>Dimension/Size :</b>	8.7 nm x 4.4 nm

<b>Associated Features:</b>	
-----------------------------	--

<b>Chart/Map References:</b>	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	
	Within Area of Map/Chart:	

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	The Name 'Nachtigaller' is a figure from a series of novels written by W. Moers. In the novels, Prof. Nachtigaller dedicates his life to the research of the mysteries of the world. In order to do so, he visits the most remote areas of the earth. He has especial preference for dark and hostile places.
--	---

<b>Discovery Facts:</b>	<b>Discovery Date:</b>	12 <sup>th</sup> February 2013
	<b>Discoverer (Individual, Ship):</b>	Captain U. Pahl, RV Polarstern

<b>Supporting Survey Data, including Track Controls:</b>	<b>Date of Survey:</b>	20 <sup>th</sup> January 2013 – 19 <sup>th</sup> March 2013
	<b>Survey Ship:</b>	RV Polarstern
	<b>Sounding Equipment:</b>	Atlas Hydrosweep DS III
	<b>Type of Navigation:</b>	GPS
	<b>Estimated Horizontal Accuracy (nm):</b>	0.003 nm

Survey Track Spacing:	Variable (ice conditions)
Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	Boris Dorschel
	Date:	19th March 2013
	E-mail:	<a href="mailto:Boris.Dorschel@awi.de">Boris.Dorschel@awi.de</a>
	Organization and Address:	Alfred-Wegener-Institut, Helmholtz-Zentrum für Polar- und Meeresforschung Am Handelshafen 12 27570 Bremerhaven Germany
	Concurrer (name, e-mail, organization and address):	

Remarks:	<p>The hill was discovered during Expedition ANT XXIX/3 with the German RV Polarstern Published as: The influence of the geo-morphological and sedimentological settings on the distribution of epibenthic assemblages on a flat topped hill on the over-deepened shelf of the Western Weddell Sea Biogeosciences Discuss., 11, 1631-1672, 2014 <a href="http://www.biogeosciences-discuss.net/11/1631/2014/">www.biogeosciences-discuss.net/11/1631/2014/</a> doi:10.5194/bgd-11-1631-2014</p> <p>Annex 1: Overview Map of Nachtigaller Hill Annex 2: NW-SE and SW-NE profiles across Nachtigaller Hill</p>
----------	--

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 page 2-9) or, if this does not exist or is not known, either to the IHB 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 IHB or to the IOC, at the following addresses :

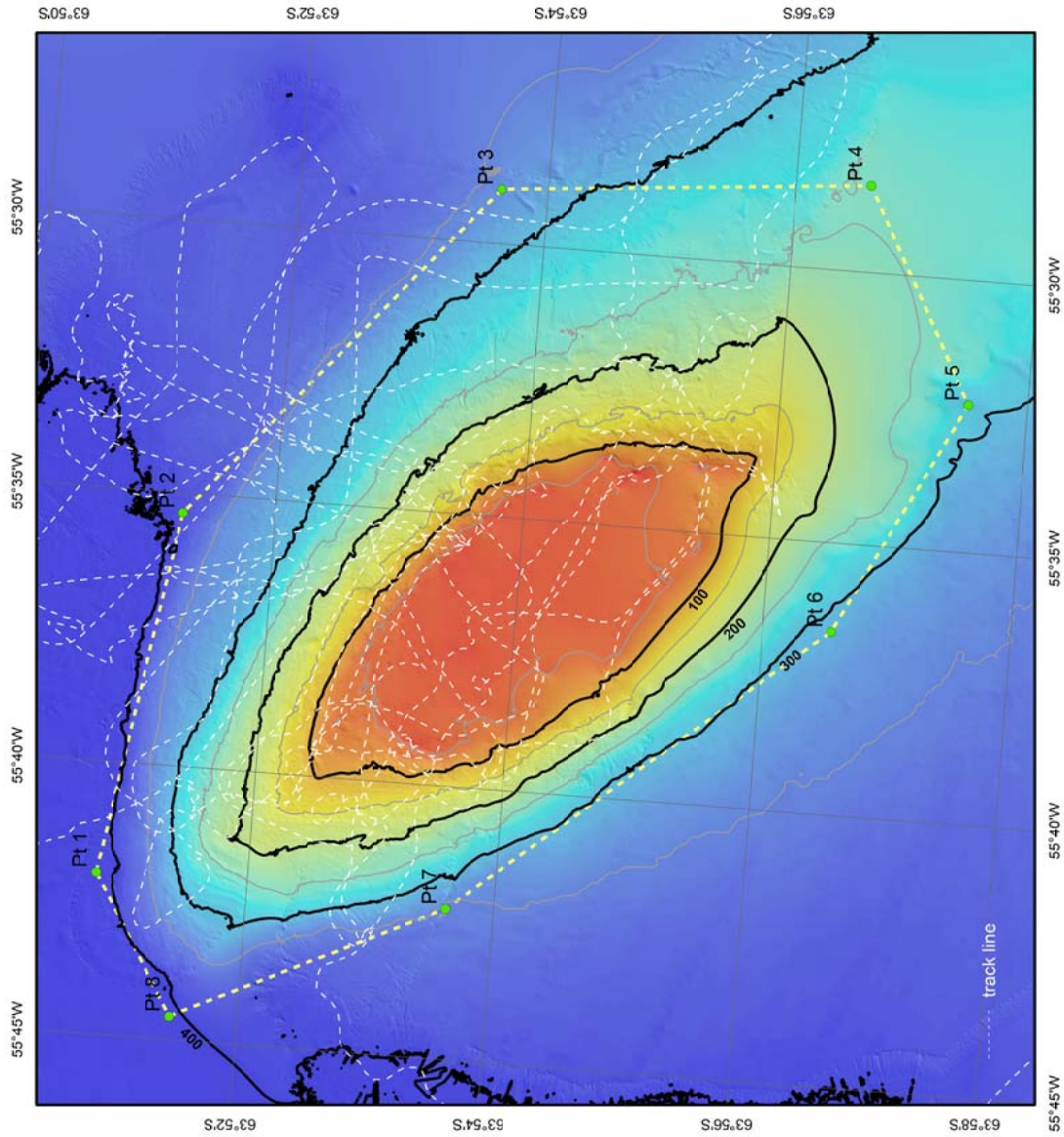
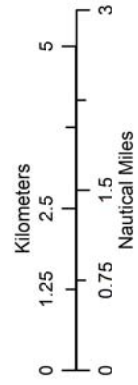
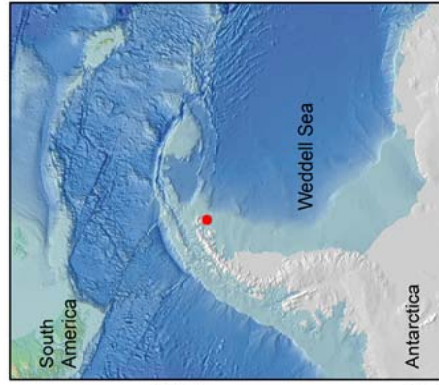
International Hydrographic Bureau (IHB) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: <a href="mailto:info@ihb.mc">info@ihb.mc</a>	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a>
--	--



### FS Polarstern - ANT-XXIX/3 Nachtigaller Hill

© 2013 AWI Bathymetry and Geodesy Group

Projection: South Pole Stereographic



Annex 2

