

UNDERSEA FEATURE NAME PROPOSAL

(Sea NOTE overleaf)

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

Name Proposed:	Satgat Seamount	Ocean or Sea:	Southern 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. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
Point Coordinates:	67°16.44'S	175°10.36'E
Polygon Coordinates:	67°11.78'S	175°16.70'E
	67°13.81'S	175°22.60'E
	67°16.70'S	175°25.05'E
	67°21.18'S	175°24.93'E
	67°19.76'S	175°01.94'E
	67°12.35'S	174°58.79'E
	67°10.91'S	175°03.14'E

Feature Description:	Maximum Depth:	3,600 m	Steepness :	7 ~ 13 °
	Minimum Depth :	1,480 m	Shape :	Dome
	Total Relief :	2,120 m	Dimension/Size :	16 km x 24 km

Associated Features:	
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Satgat is the Korean word for the shape of the seamount is similar to that of a "Satgat,"- a traditional Korean hat made of bamboo.
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Discovery Facts:	Discovery Date:	2011-02-06
	Discoverer (Individual, Ship):	Icebreaker RV ARAON

Supporting Survey Data, including Track Controls:	Date of Survey:	2011-02-06 / 2017-02-20
	Survey Ship:	Icebreaker RV ARAON
	Sounding Equipment:	EM122
	Type of Navigation:	Seapath 200 RTK
	Estimated Horizontal Accuracy (nm):	5 m*
	Survey Track Spacing:	1-2 nautical miles
Supporting material can be submitted as Annex in analog or digital form.		

*Vertical and horizontal accuracy based on RMS accuracy of sonar systems, and after estimates in Dowdeswell et al. (2010).

Proposer(s):	Name(s):	Korea Committee on Geographical Names (KCGN), Republic of Korea
	Date:	August 31, 2017
	E-mail:	infokhoa@korea.kr
	Organization and Address:	351, Haeyang-ro, Yeongdo-gu, Busan, Republic of Korea
	Concurrer (name, e-mail, organization and address):	

Remarks:	
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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 <u>Principality of MONACO</u> Fax: +377 93 10 81 40 E-mail: info@ihb.mc	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS <u>France</u> Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
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Satgat Seamount

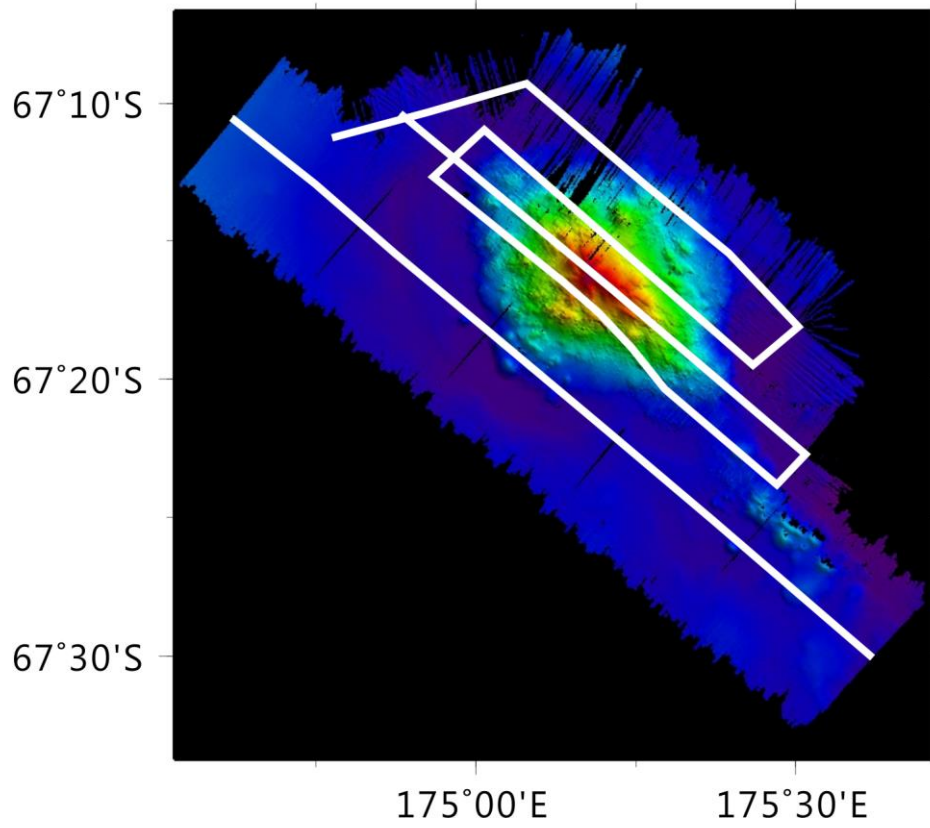


Fig.1. Track line and swaths in survey area

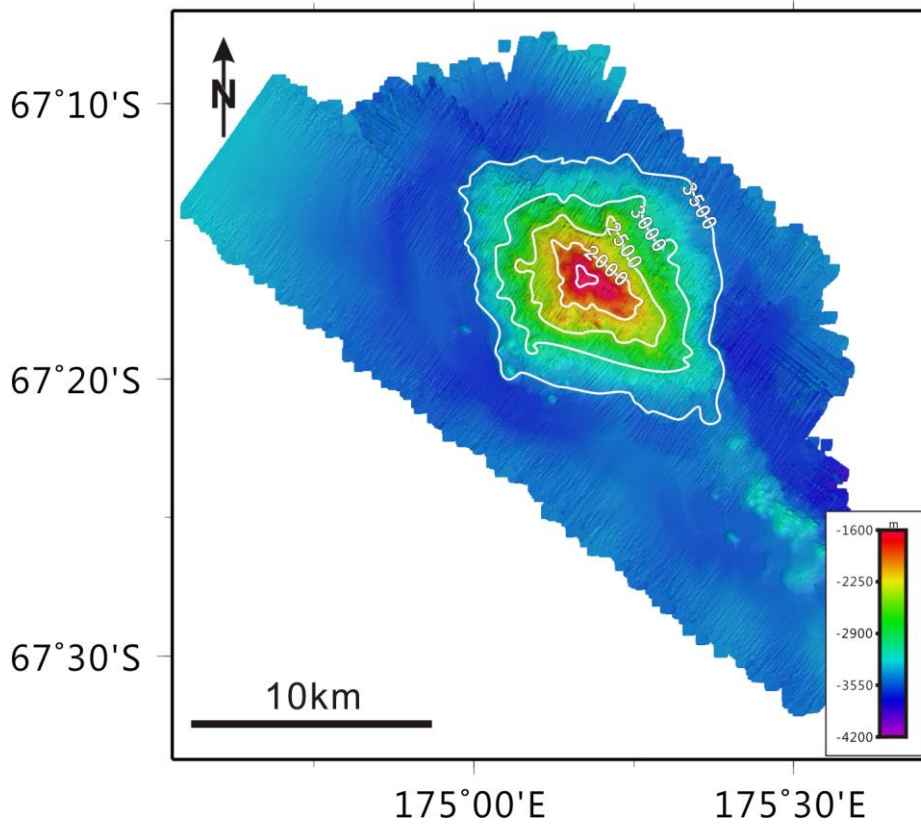


Fig.2. 2-D Bathymetric contour map of Satgat Seamount

Contour interval = 500 meters

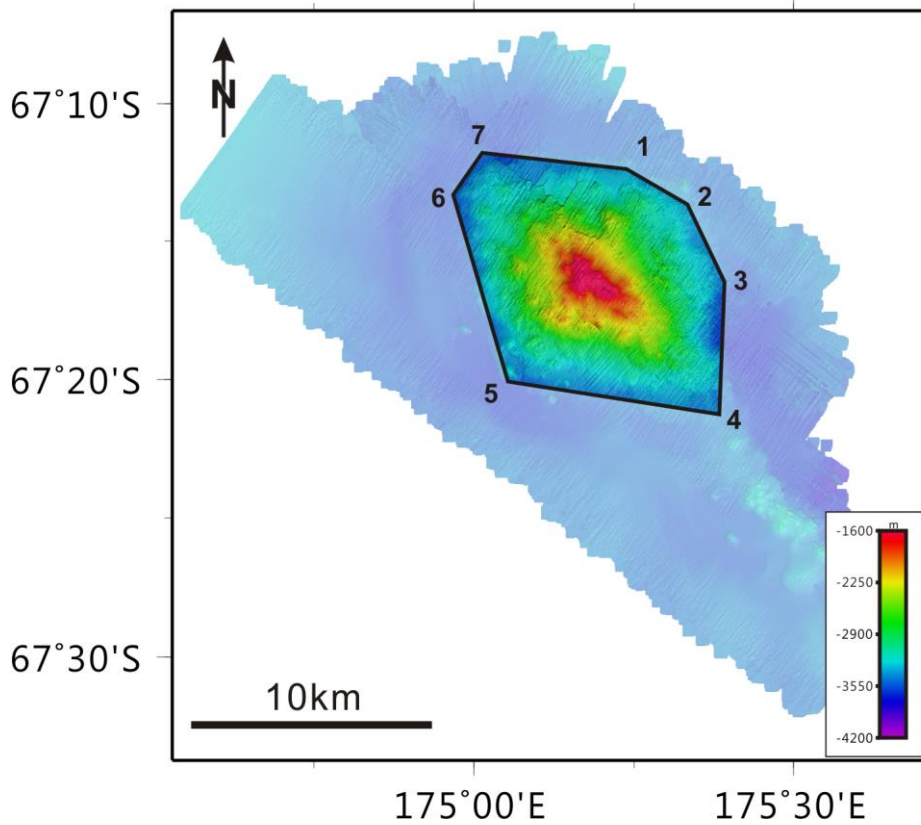


Fig.3. Polygon boundary of Satgat Seamount

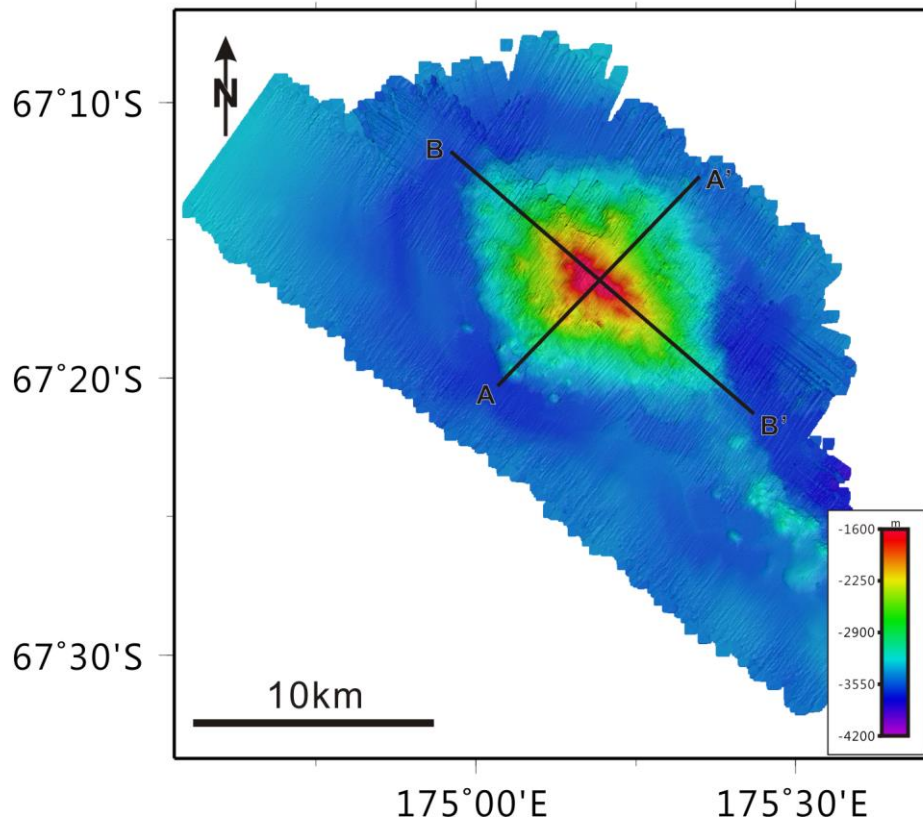


Fig.4. Locations of profiles across Satgat Seamount

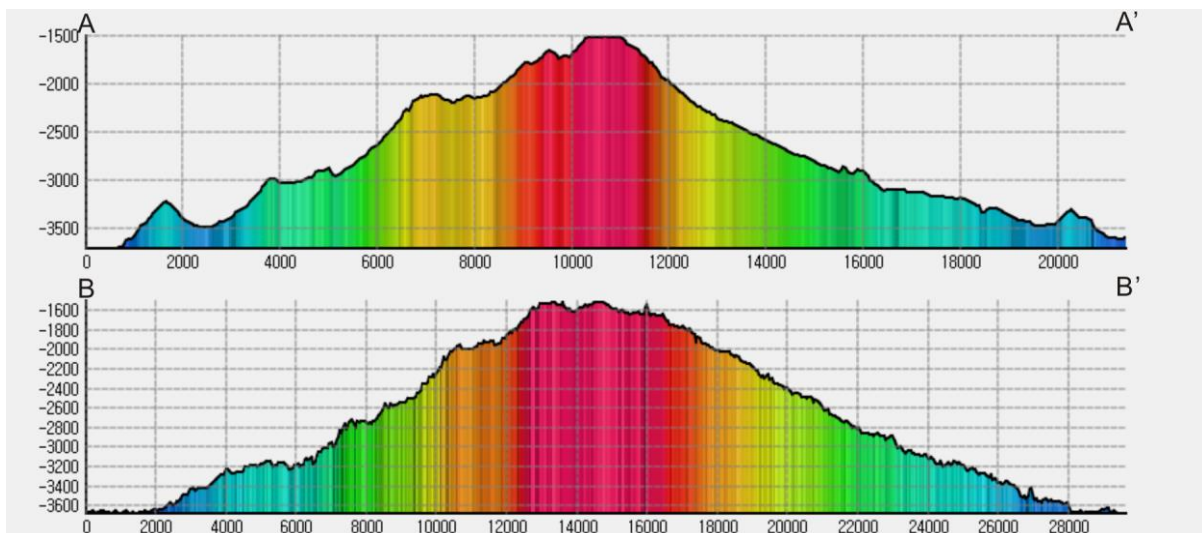


Fig.4a. Profiles across Satgat Seamount

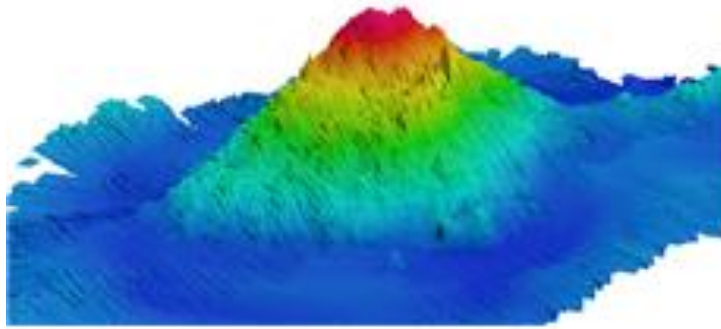


Fig.5. Side view of Satgat Seamount



Fig.6. The shape of “Satgat”