

UNDERSEA FEATURE NAME PROPOSAL
(Sea NOTE overleaf)

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

Name Proposed:	Forster Seamounts	Ocean or Sea:	South East Pacific
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Geometry that best defines the feature (Yes/No) :						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
No	No	Yes	No	No	No	No

* 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:	Summit 37° 29.075' S	Summit 93° 13.101' W
	37.48651759	93.25699495
	37.46568148	93.23571728
	37.45384216	93.17111135
	37.45191152	93.10041344
	37.46749386	93.07124864
	37.48853676	93.07821250
	37.49408332	93.11022537
	37.51430730	93.20781154
37.50932229	93.23761409	

Feature Description:	Maximum Depth:	3163 m	Steepness :	20,00%
	Minimum Depth :	1863 m	Shape :	Oval shape east west directions
	Total Relief :	1300 m	Dimension/Size :	20 x 6 km ²

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):	<p>Johann Georg Adam Forster (November 27, 1754 – January 10, 1794) was a German Naturalist, ethnologist, Travel writer, Journalist, and revolutionary. At an early age, he accompanied his father on several scientific expeditions, including James Cook's second voyage to the Pacific. His report from that journey, <i>A Voyage Round the World</i>, contributed significantly to the ethnology of the people of Polynesia and remains a respected work. As a result of the report Forster was admitted to the Royal Society at the early age of twenty-two and came to be considered one of the founders of modern scientific travel literature.</p> <p>After returning to continental Europe, Forster turned toward academia. He traveled to Paris to seek out a discussion with the American revolutionary Benjamin Franklin in 1777. He taught natural history at the Collegium Carolinum in Kassel (1778–1784),</p>
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	and later at Academy of Vilna (Vilnius University) (1784–1787). He then (1788) became head Librarian at the University of Mainz. Most of his scientific work during this time consisted of essays on botany and ethnology, but he also prefaced and translated many books about travels and explorations, including a German translation of Cook's diaries. In the spring of 1790, Forster and the young Alexander von Humboldt started from Mainz on a long journey through the Southern Netherlands, the United Provinces, and England, which eventually finished in Paris. The impressions from the journey were described in a three volume publication (<i>Views of the Lower Rhine, from Brabant, Flanders, Holland, England, and France in April, May and June 1790</i>), published 1791–1794.
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Discovery Facts:	Discovery Date:	January 2, 2011
	Discoverer (Individual, Ship):	T. Dufek German RV Sonne Expedition SO213/1

Supporting Survey Data, including Track Controls:	Date of Survey:	January 2, 2011
	Survey Ship:	German RV Sonne Expedition SO213/1
	Sounding Equipment:	SIMRAD EM120
	Type of Navigation:	GPS
	Estimated Horizontal Accuracy (nm):	0.05
	Survey Track Spacing:	Single multibeam profile
Supporting material can be submitted as Annex in analog or digital form.		

Proposer(s):	Name(s):	Prof. Dr. Hans Werner Schenke
	Date:	5 July 2011
	E-mail:	Hans-Werner.Schenke@AWI.de
	Organization and Address:	Alfred Wegener Institute for Polar and Marine Research POB 120161 27515 Bremerhaven Germany
	Concurrer (name, e-mail, organization and address):	

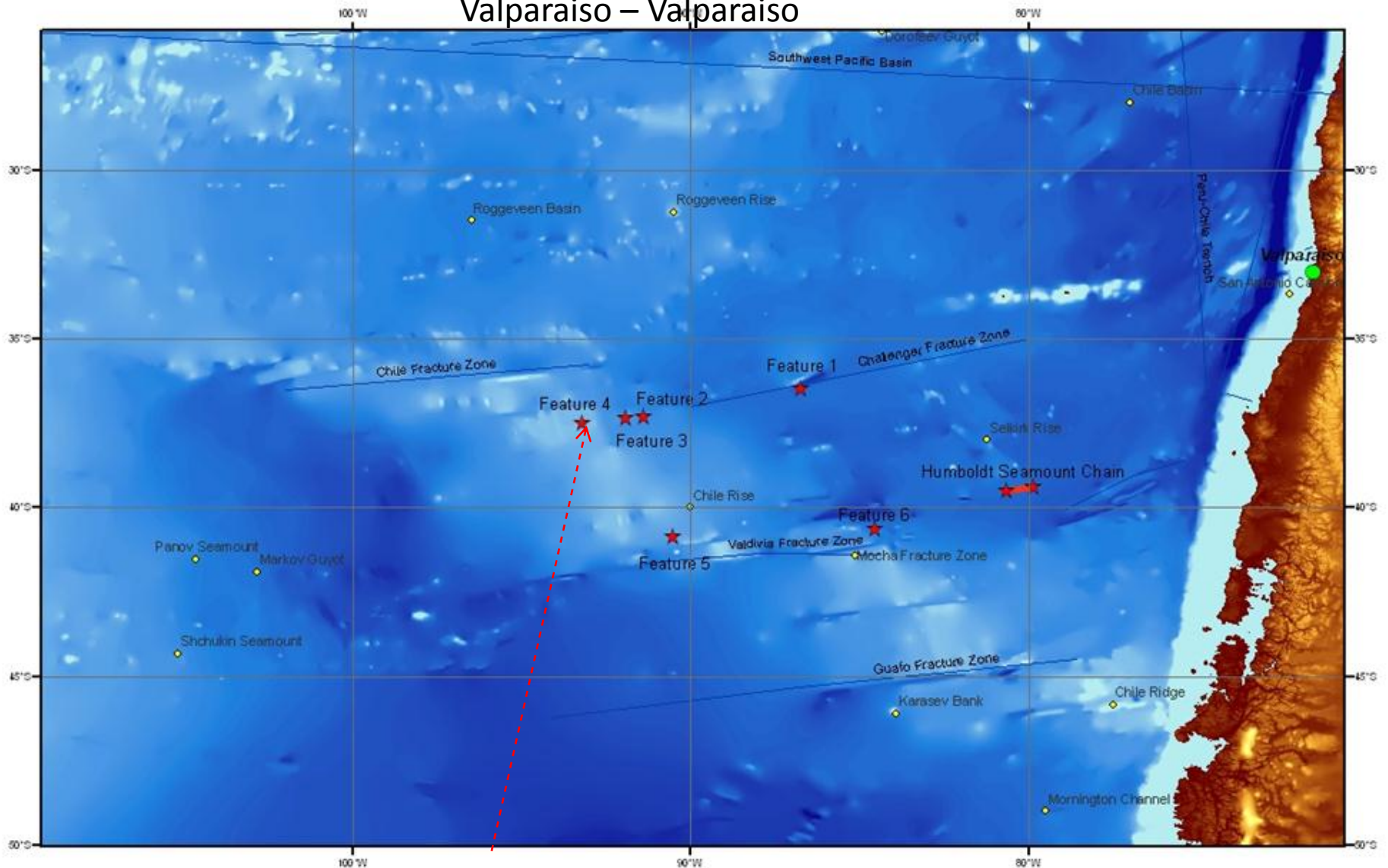
Remarks:	
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NOTE : This form should be forwarded, when completed :

- 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 :

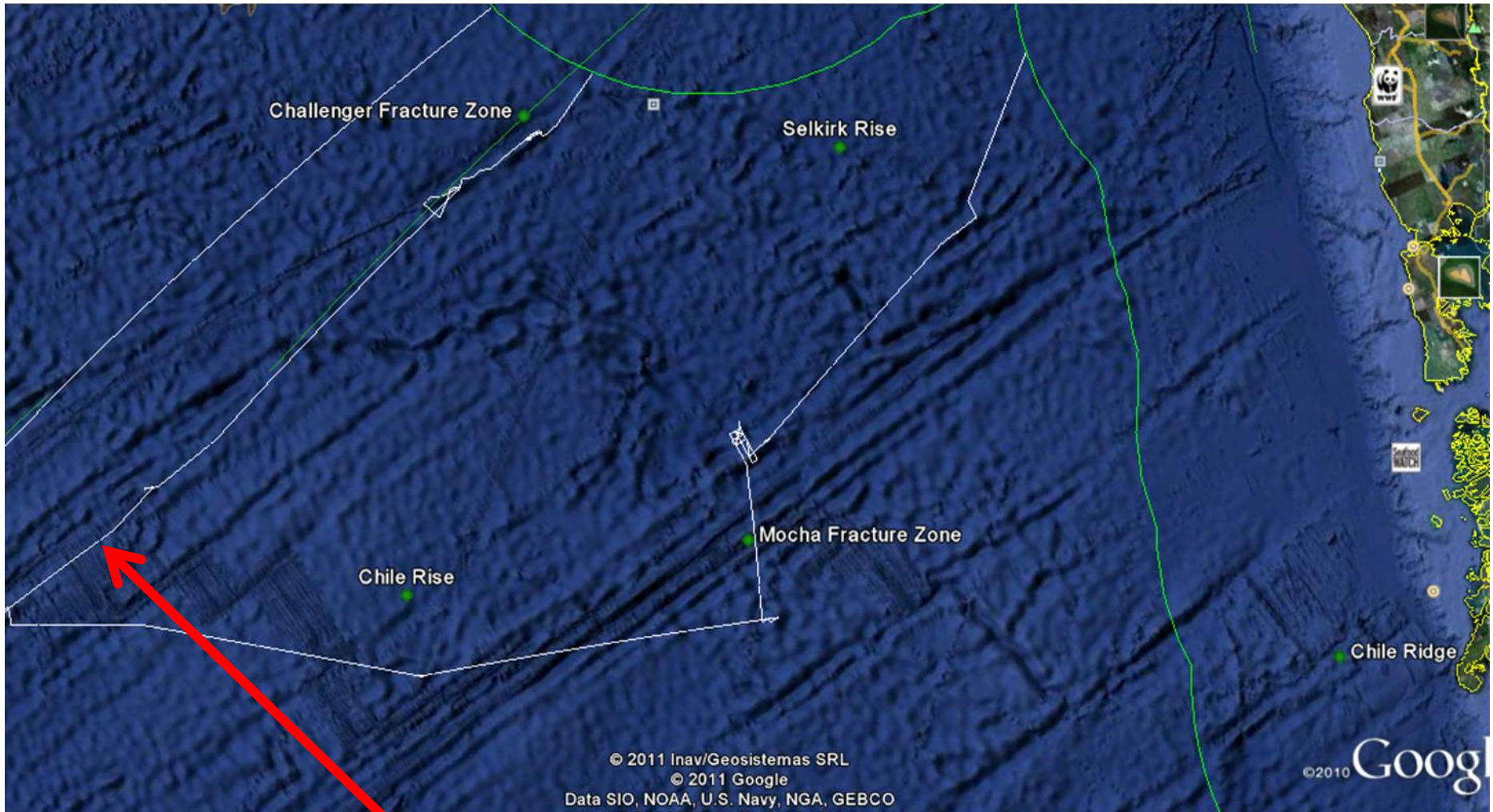
International Hydrographic Bureau (IHB) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: info@ihb.mc	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
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SO213-1
27.12.2010 – 13.1.2011
Valparaiso – Valparaiso



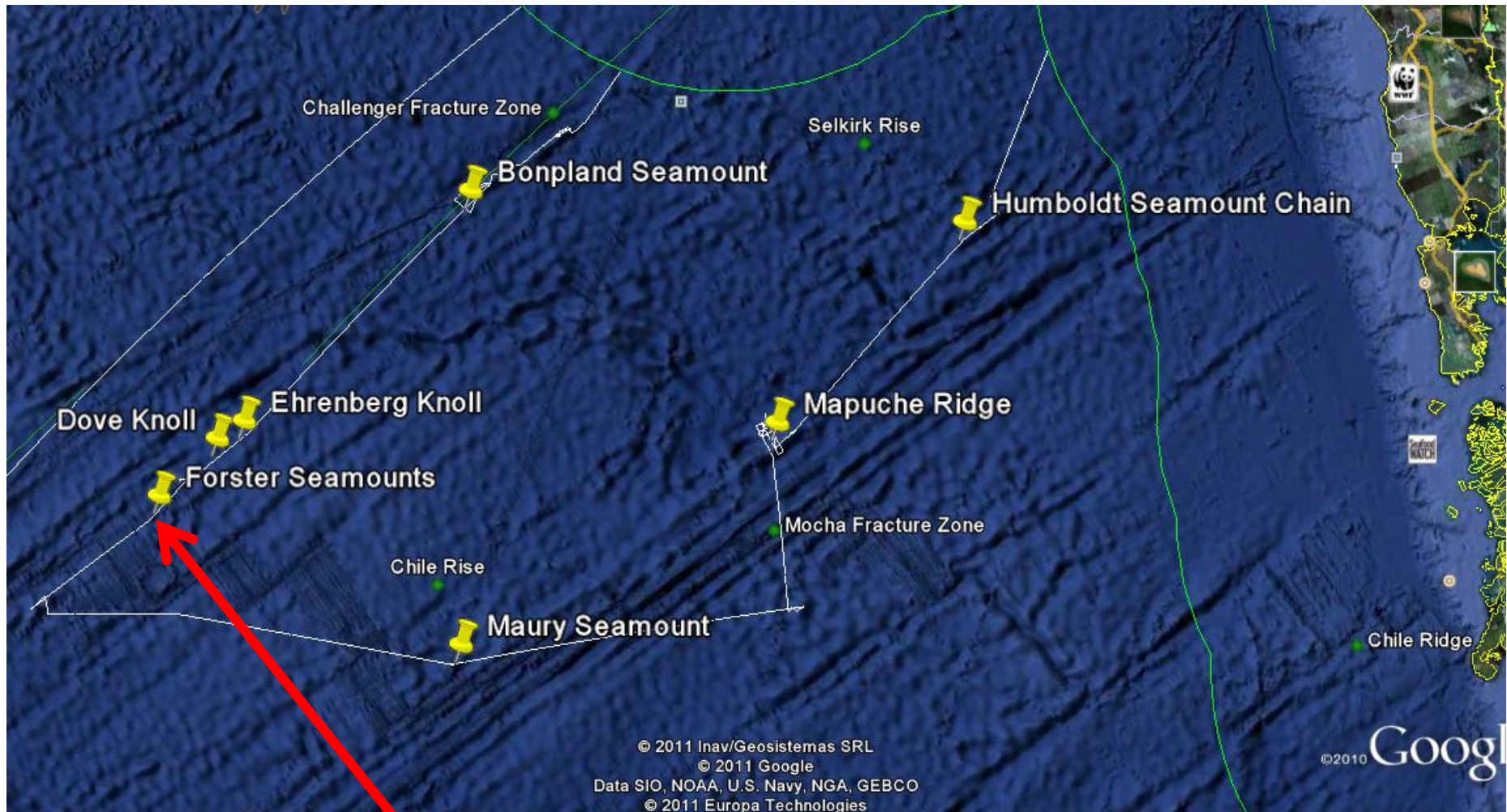
Feature 4:
Forster Seamounts

RV „Sonne“ Expedition SO213-1 shiptrack

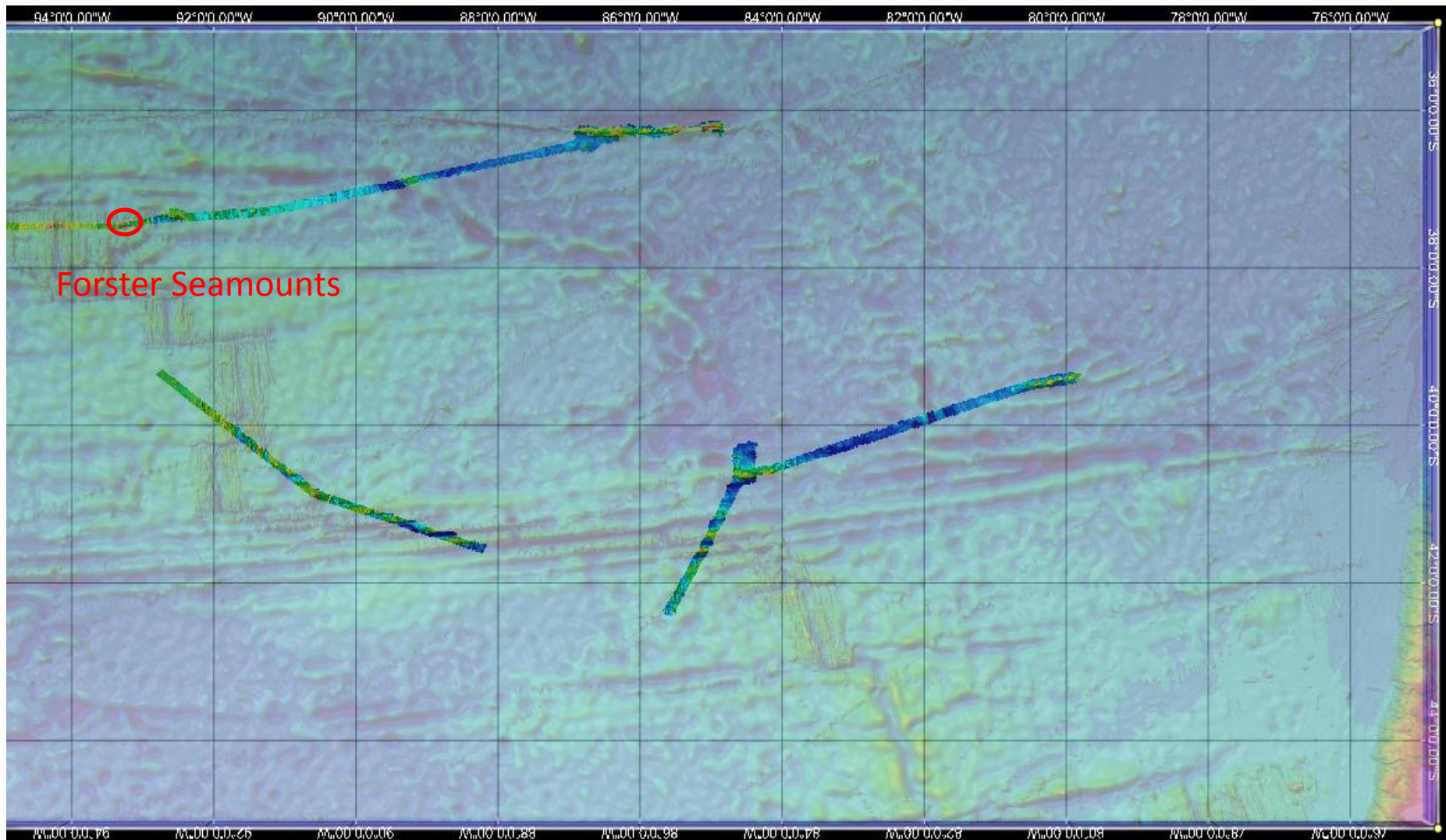


Forster Seamounts

RV „Sonne“ Expedition SO213-1 shiptrack

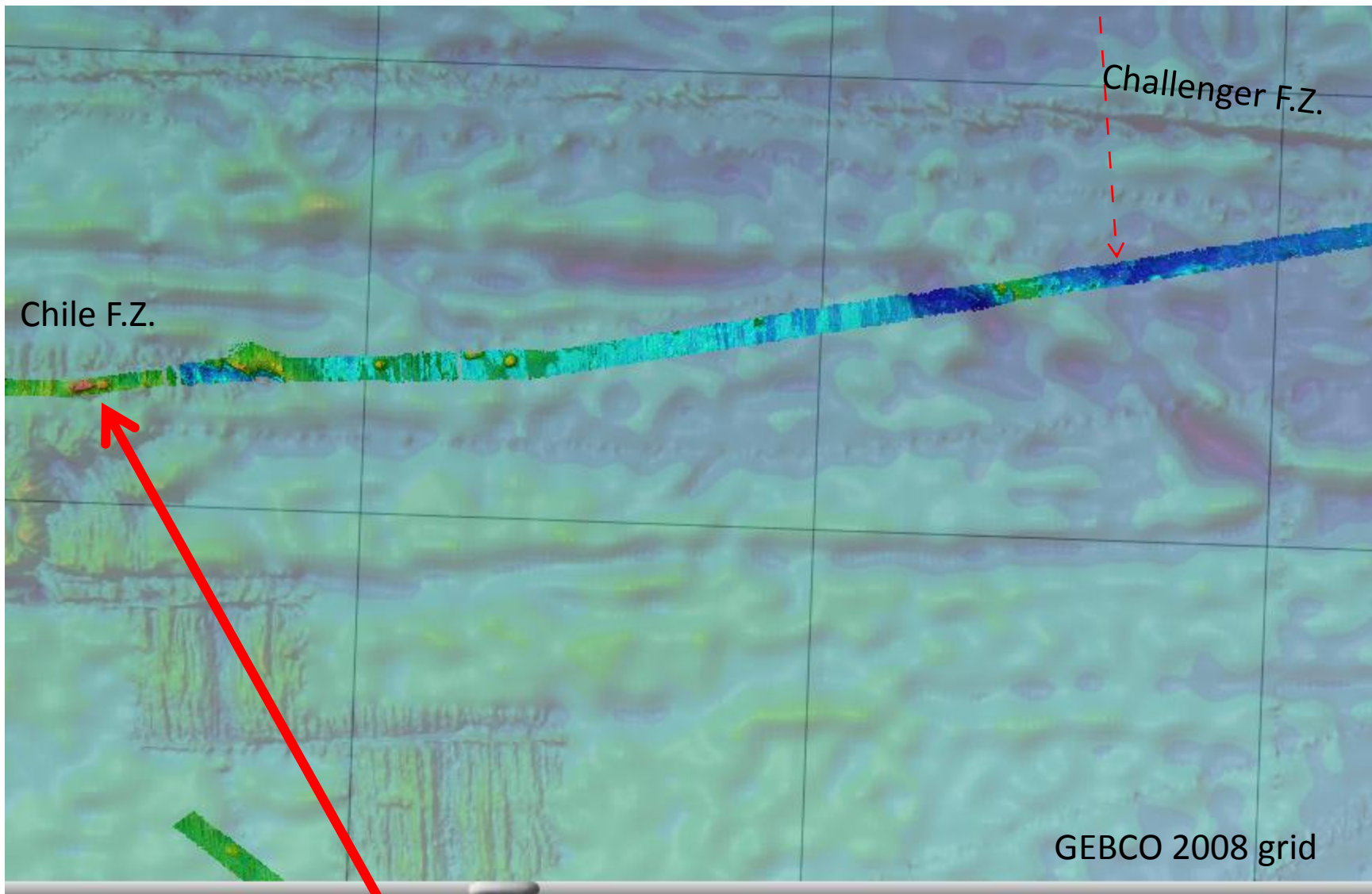


Forster Seamounts



MB tracks over GDA raster

SONNE MB-Swath



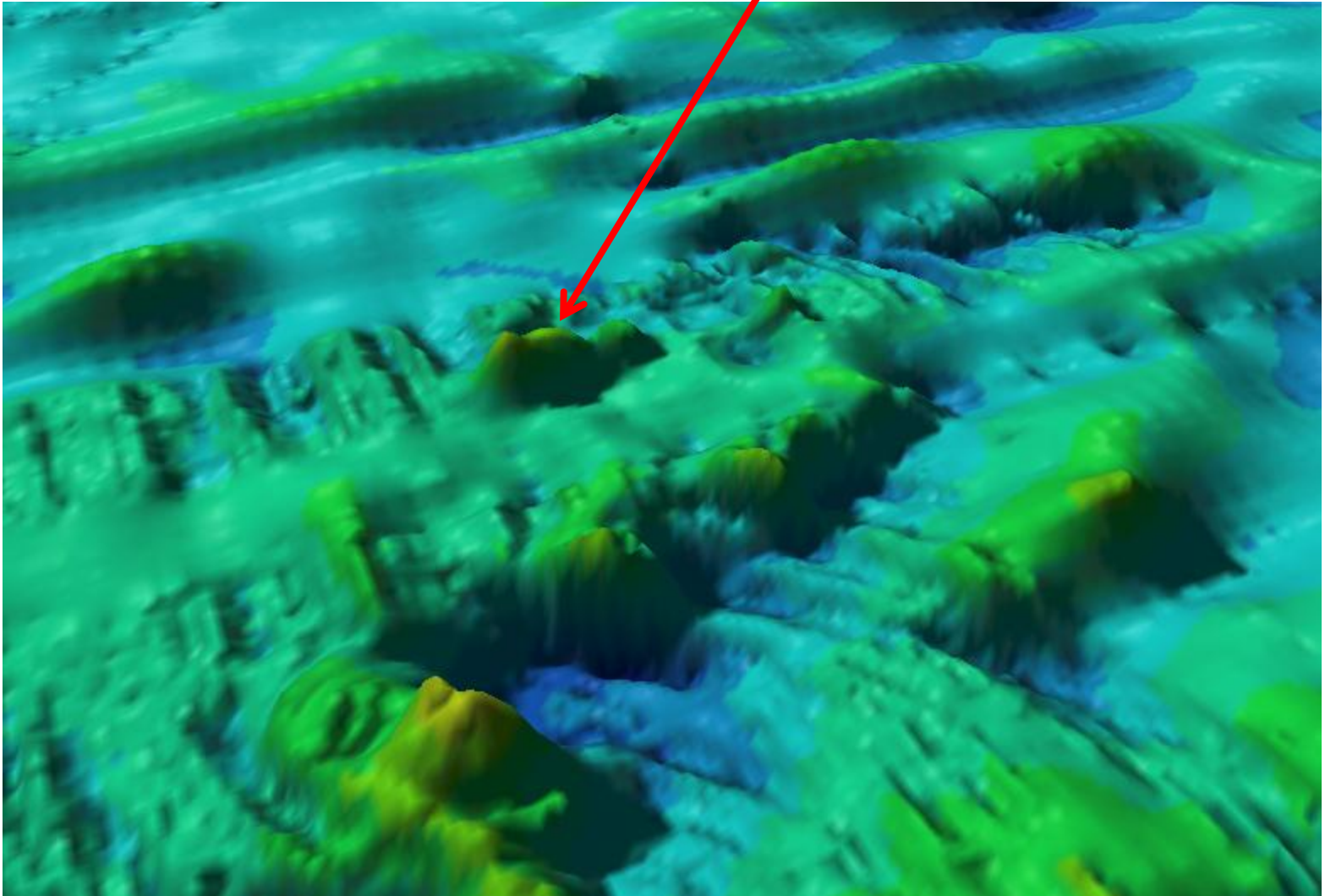
Chile F.Z.

Challenger F.Z.

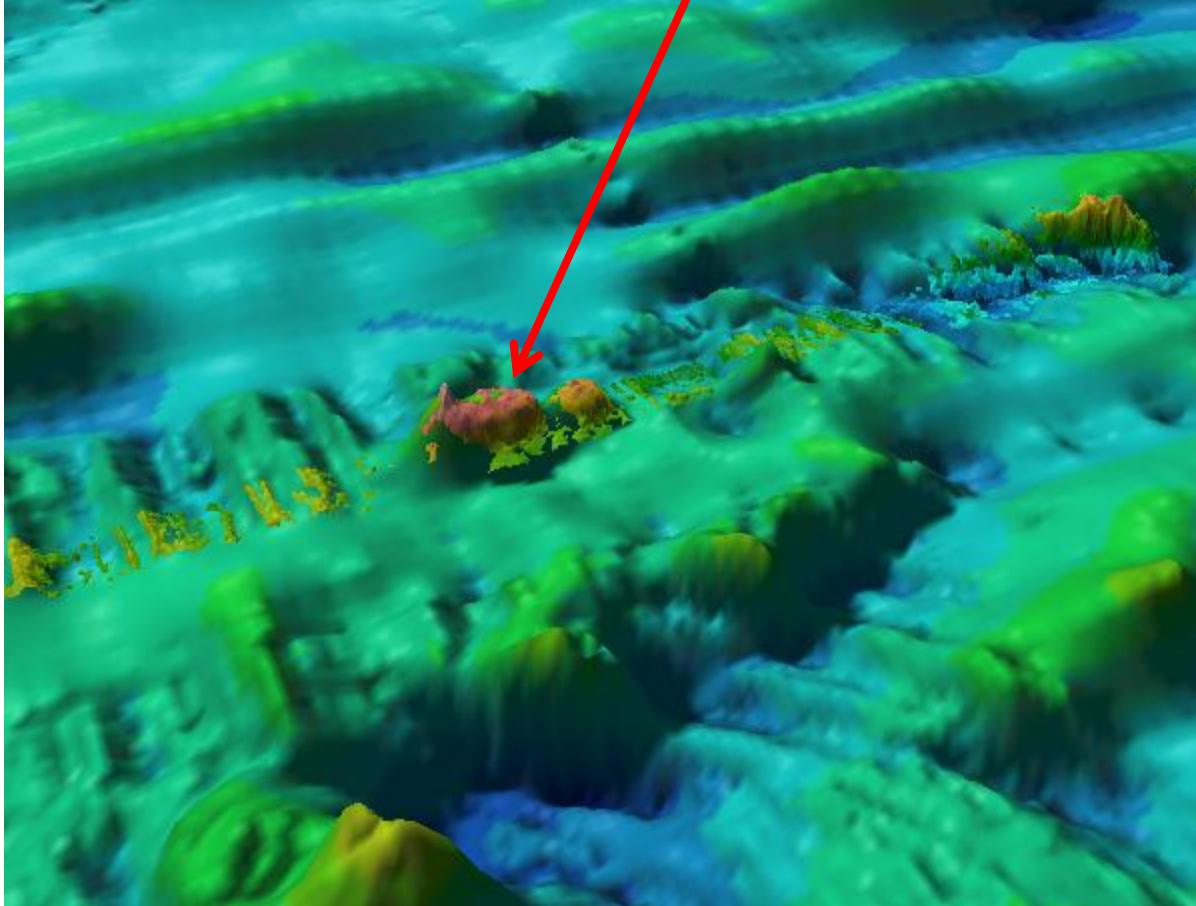
GEBCO 2008 grid

Forster Seamounts

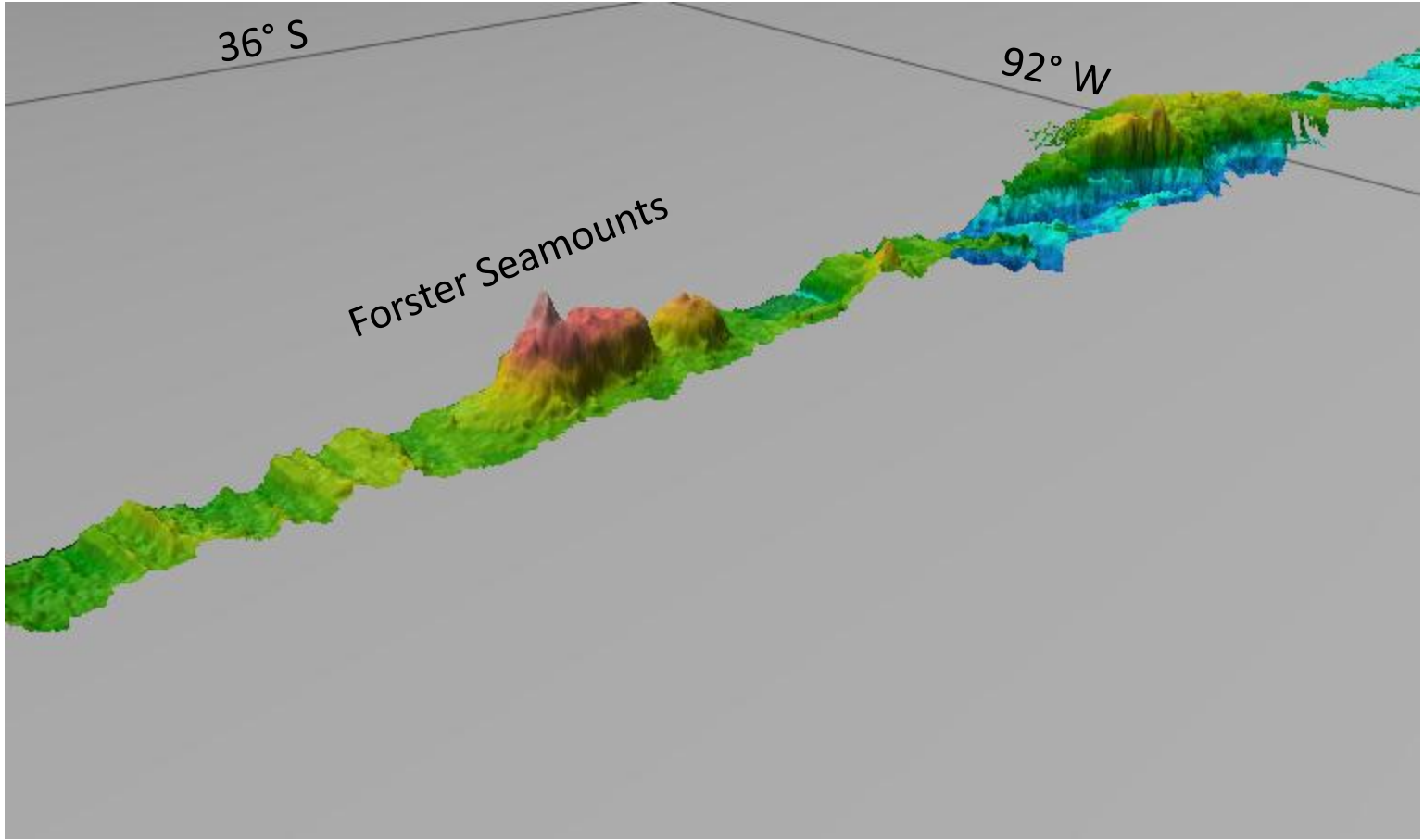
Forster Seamounts

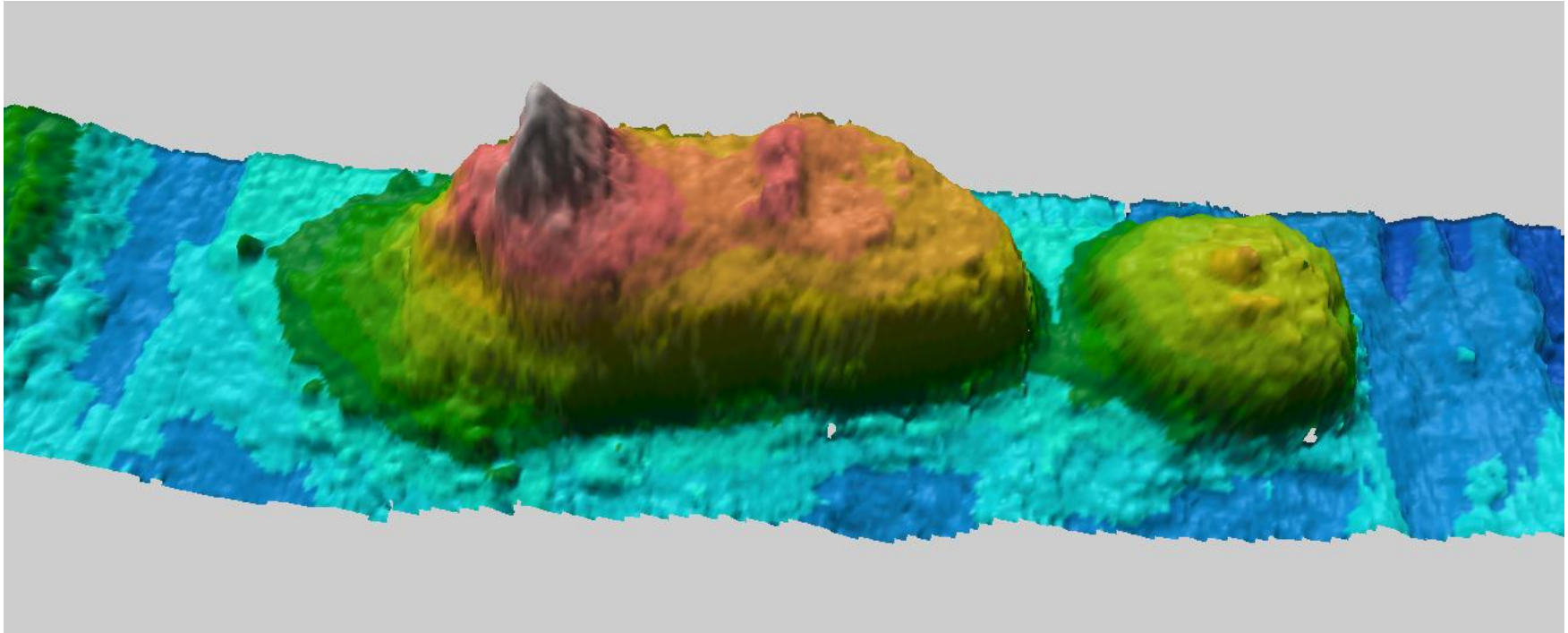


Forster Seamounts

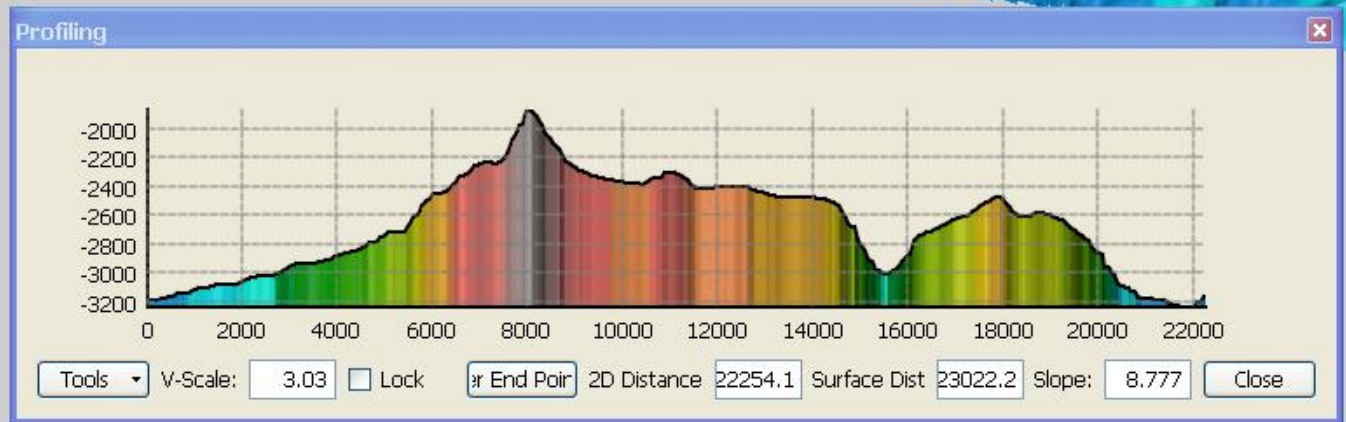
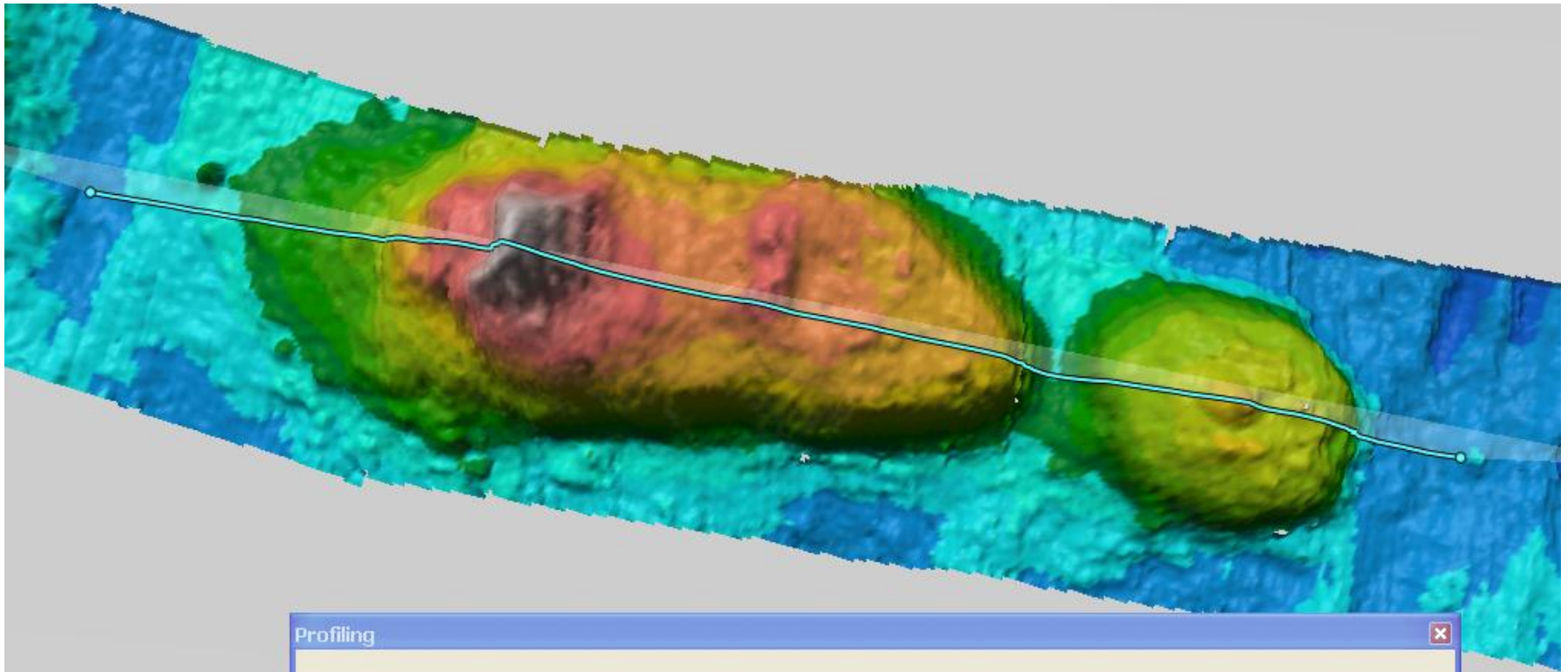


The area was surveyed with MB, but large differences (approx 200 m)

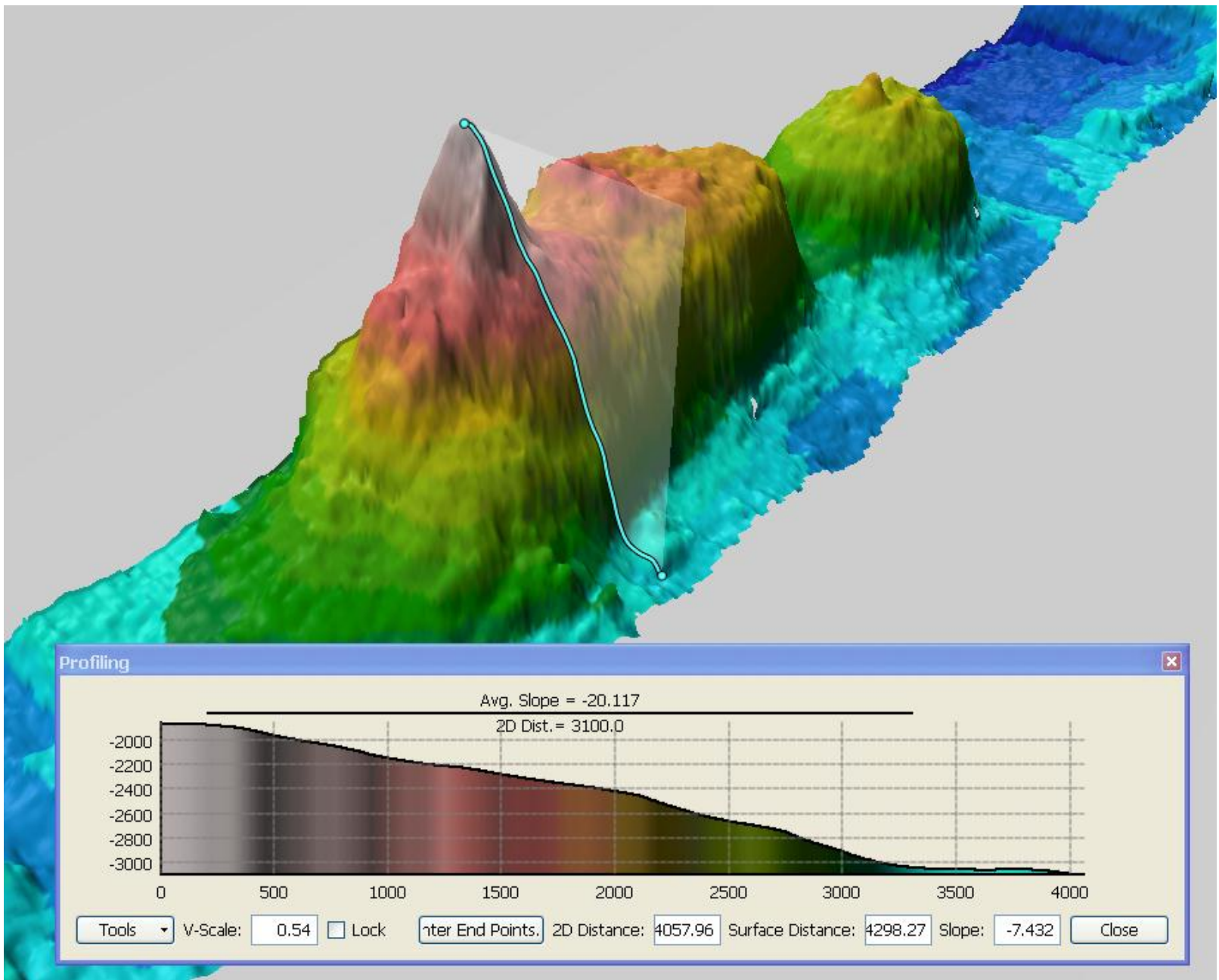




Topography of the seamounts

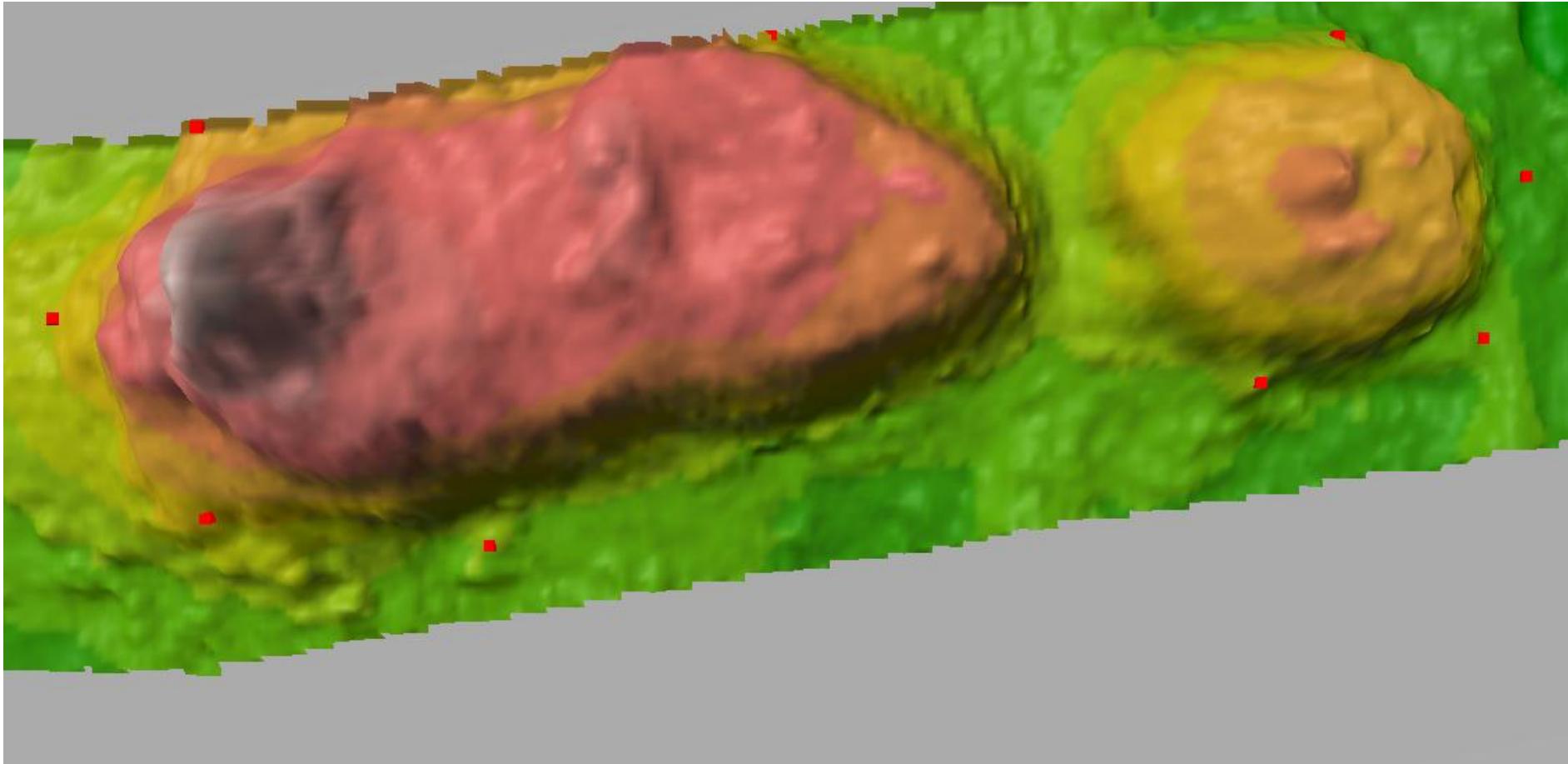


Cross profile over both seamounts



Max. slope at the major seamount

Feature Geometry: Polygon



Polygon Forster Seamounts