

**UNDERSEA FEATURE NAME PROPOSAL**

(Sea NOTE overleaf)

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

Name Proposed:	Dove Knoll	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)
<b>Coordinates:</b>	<p><b>(peak) 37° 20.478 S</b>            37.34461587° S            37.36382931° S            37.35859325° S            37.33542430° S            37.31895031° S            37.32399855° S</p>	<p><b>(peak) 091° 55.780 W</b>            91.88854476° W            91.91689001° W            91.94420354° W            91.95223660° W            91.93518683° W            91.90448282° W</p>

<b>Feature Description:</b>	Maximum Depth:	3494 m	Steepness :	14,00%
	Minimum Depth :	2756 m	Shape :	Steep circular shape
	Total Relief :	737 m	Dimension/Size :	7 x 5.5 km <sup>2</sup>

<b>Associated Features:</b>	
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<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):	<p>Heinrich Wilhelm Dove was born on October 6 1803 in Liegnitz, Prussia. He attended the University of Breslau for 3 years where he studied history, philosophy and natural sciences.</p> <p>He then pursued further education at the University of Berlin from 1824 to 1826, and in 1838, Dove became an associate professor at the University of Königsberg. One year later, he assumed an associate professor position at the world renowned University of Berlin.</p> <p>Heinrich Wilhelm Dove's influence on the scientific world was such that there is a crater on the moon, the Dove crater, named after him. He was also presented with the Copley Medal in 1853 because of his many achievements. Under the chair of Alexander von Humboldt in 1828 a Conference of German Naturalists took place in in Berlin. Humboldt, the senior scientist and accepted</p>
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	meteorologist, developed special relation and friendship to Heinrich Dove, which lasts over 30 years. Many experiments conducted by Dove, were based on the methods developed by Alexander von Humboldt. Heinrich Wilhelm Dove regarded Humboldt as fundamental scientist and founder of modern research.
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<b>Discovery Facts:</b>	Discovery Date:	January 2, 2011
	Discoverer (Individual, Ship):	T. Dufek German RV Sonne Expedition SO213/1

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

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

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

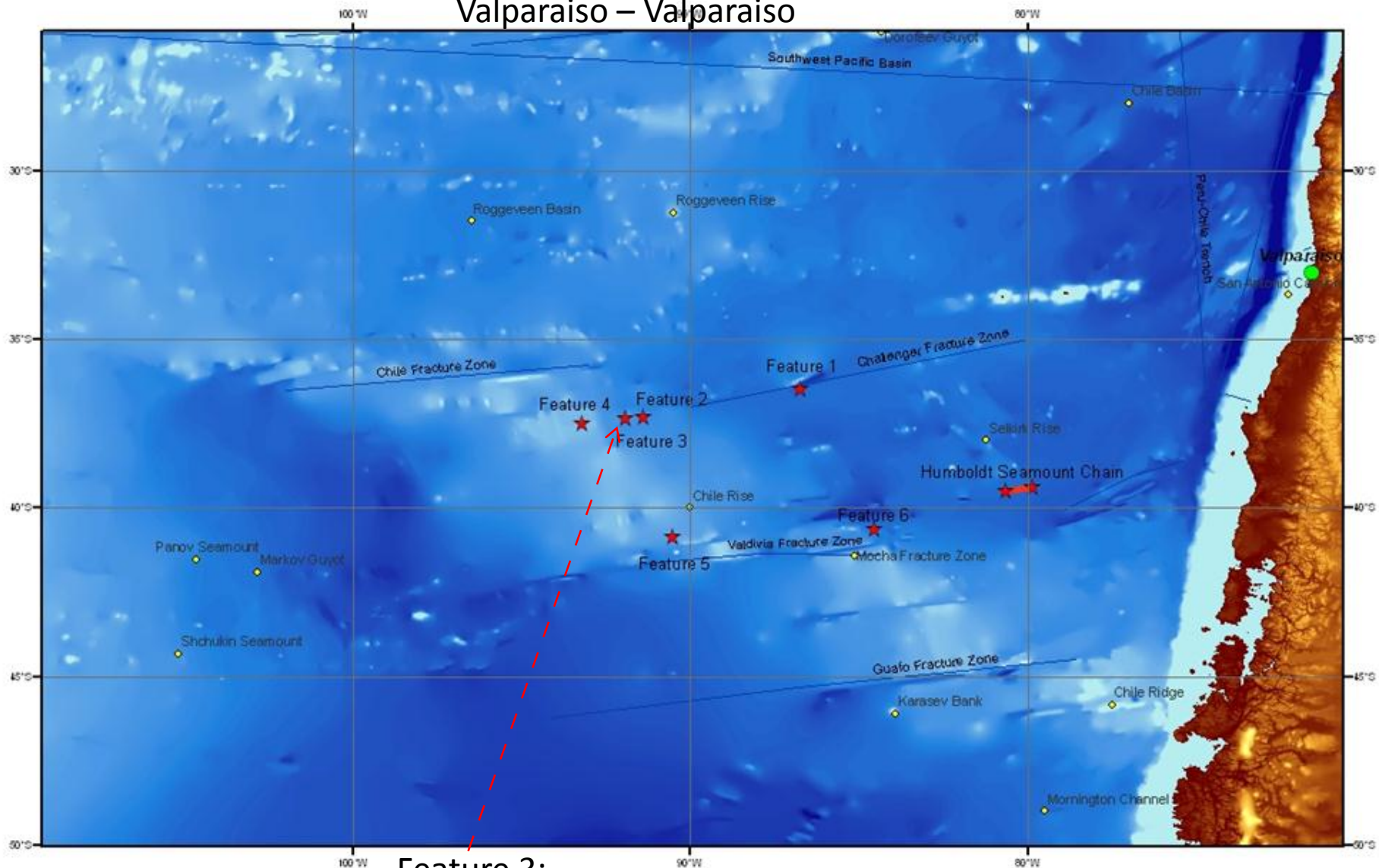
- a) **If the undersea feature is located inside the external limit of the territorial sea :-**  
to your "National Authority for Approval of Undersea Feature Names" (see page 2-9) or, if this does not exist or is not known, either to the IHB or to the IOC (see addresses below);
- b) **If at least 50 % 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>
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SO213-1

27.12.2010 – 13.1.2011

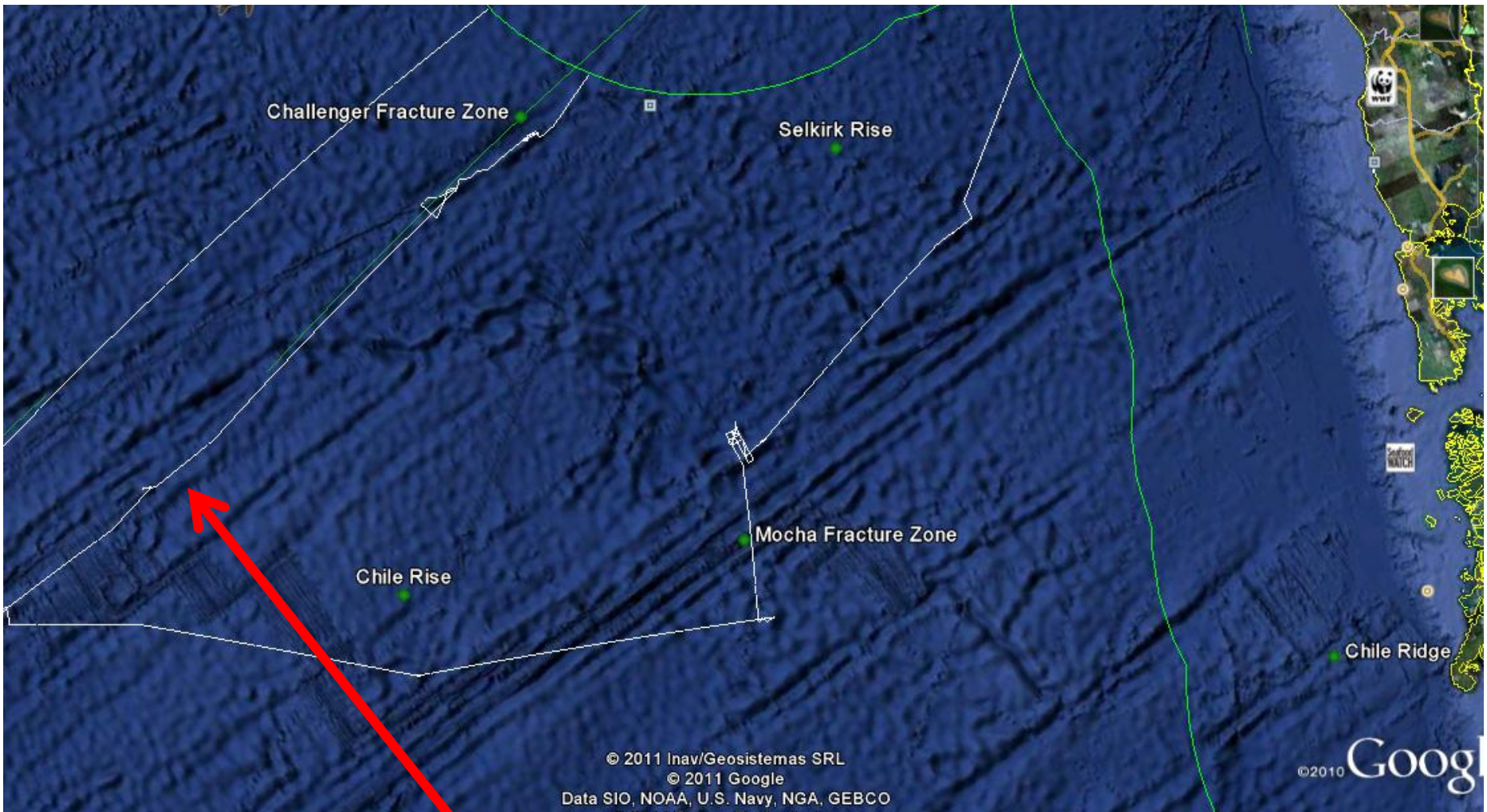
Valparaiso – Valparaiso



Feature 3:  
Dove Knoll



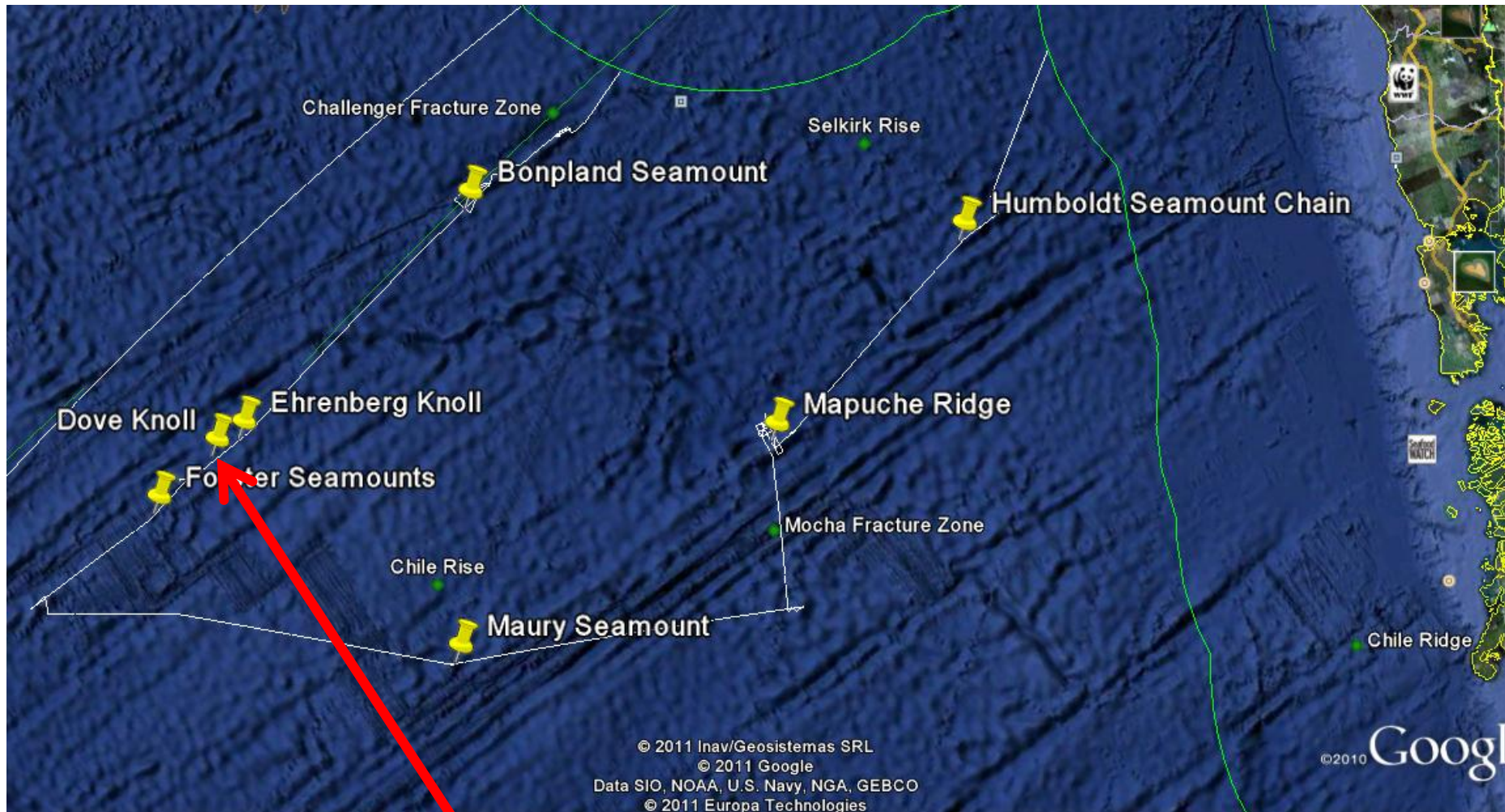
# RV „Sonne“ Expedition SO213-1 shiptrack



Dove Knoll

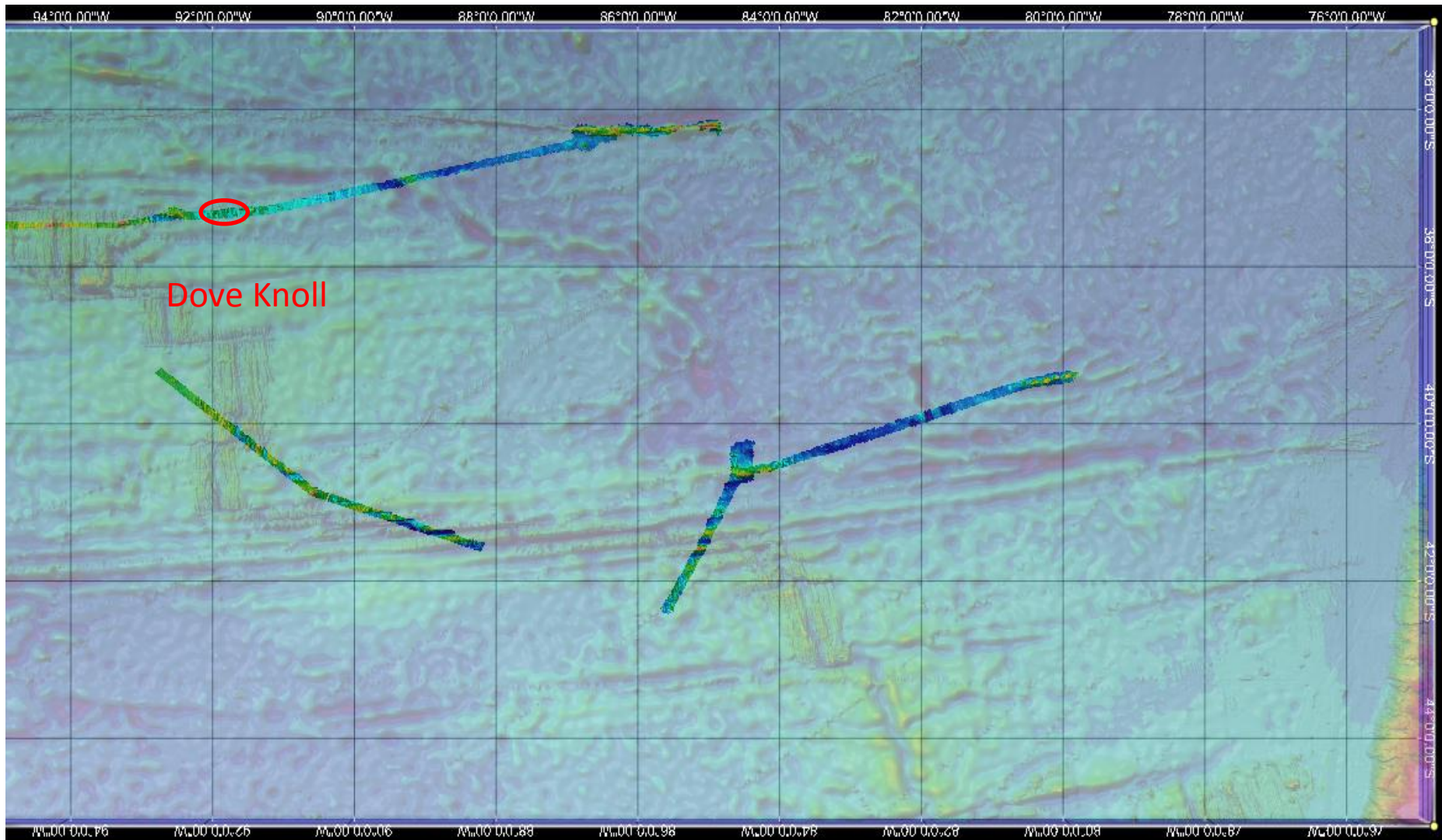


# RV „Sonne“ Expedition SO213-1 shiptrack



Dove Knoll

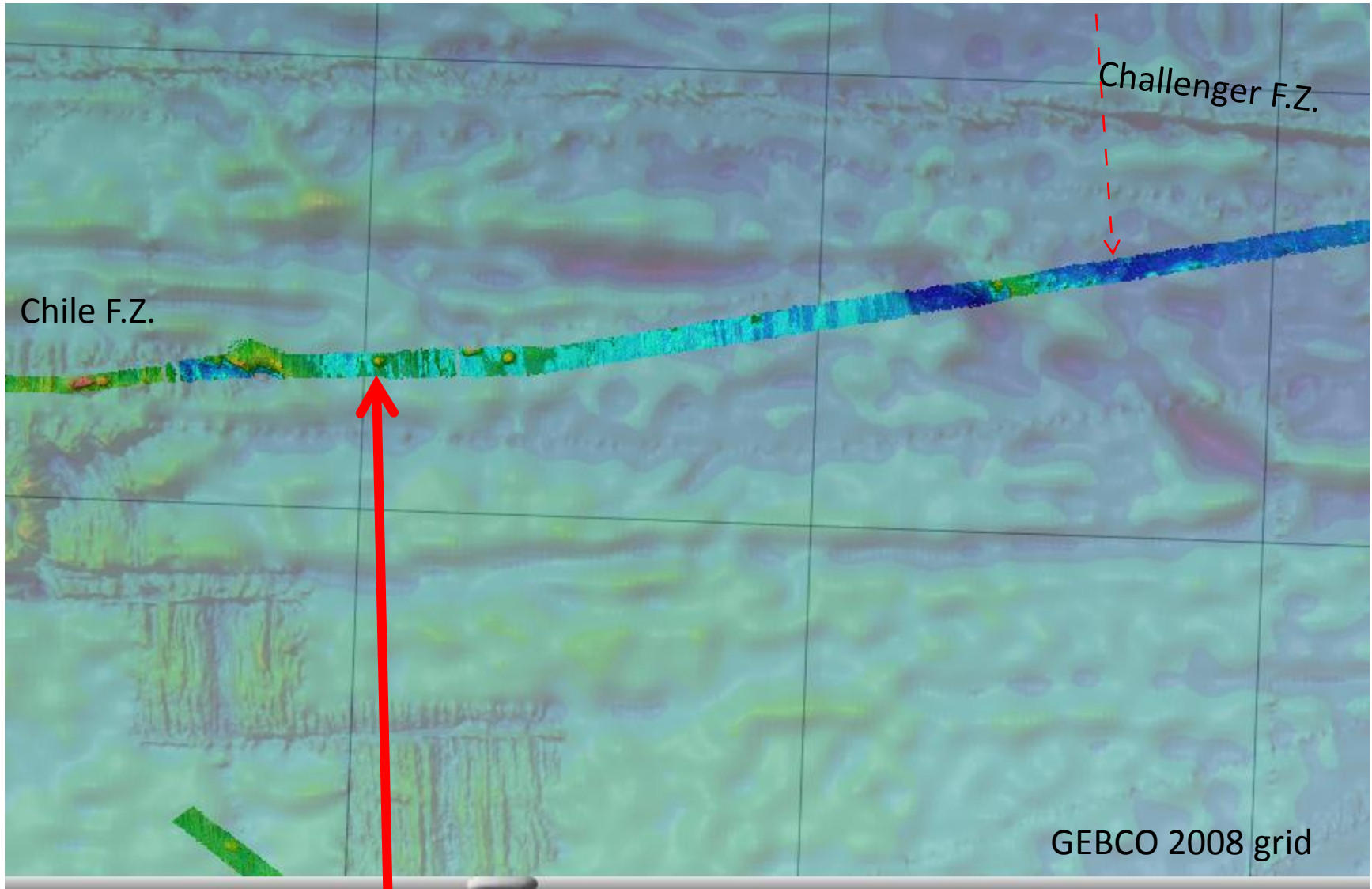




Dove Knoll

MB tracks over GDA raster

SONNE MB-Swath



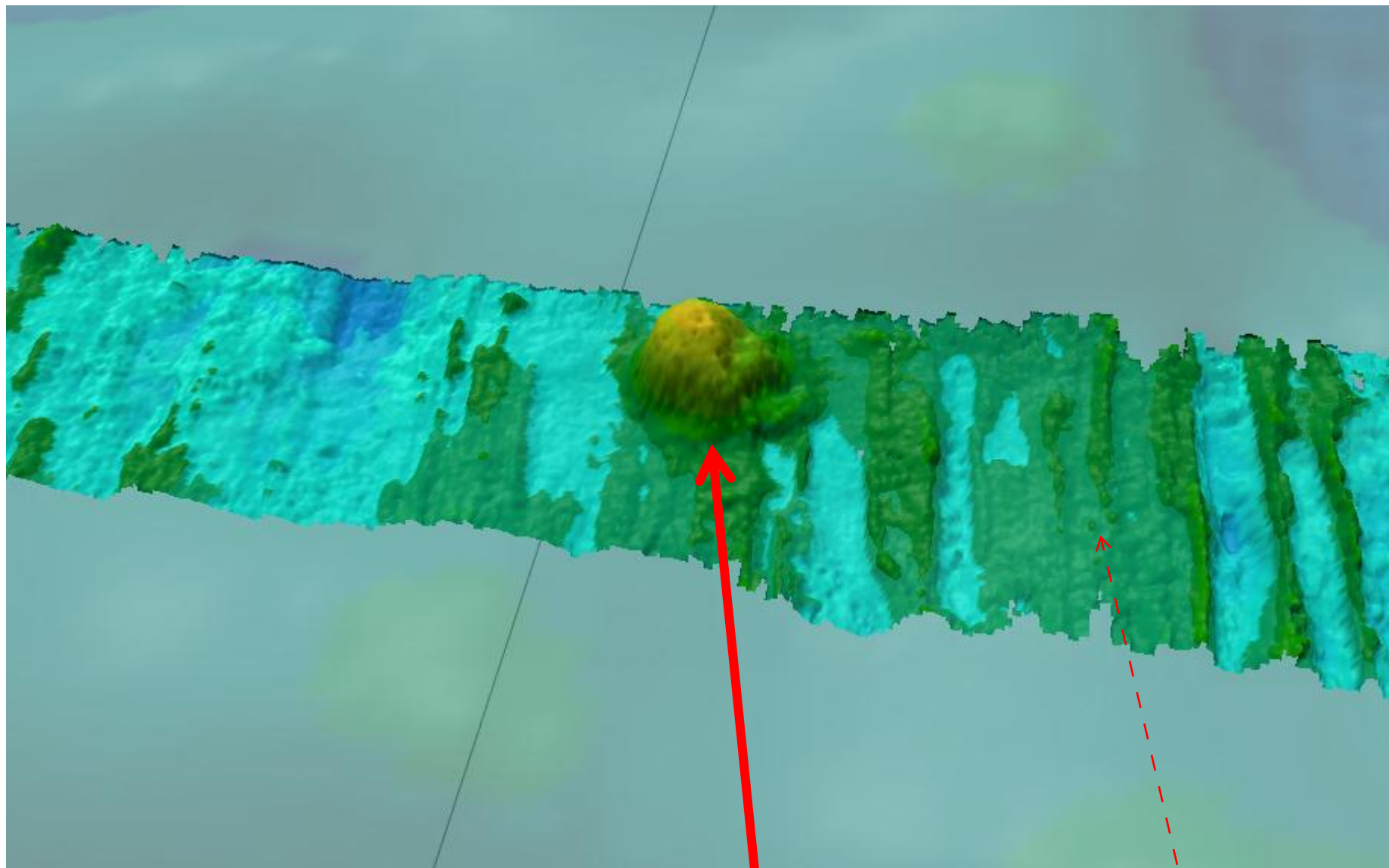
Challenger F.Z.

Chile F.Z.

Dove Knoll

GEBCO 2008 grid



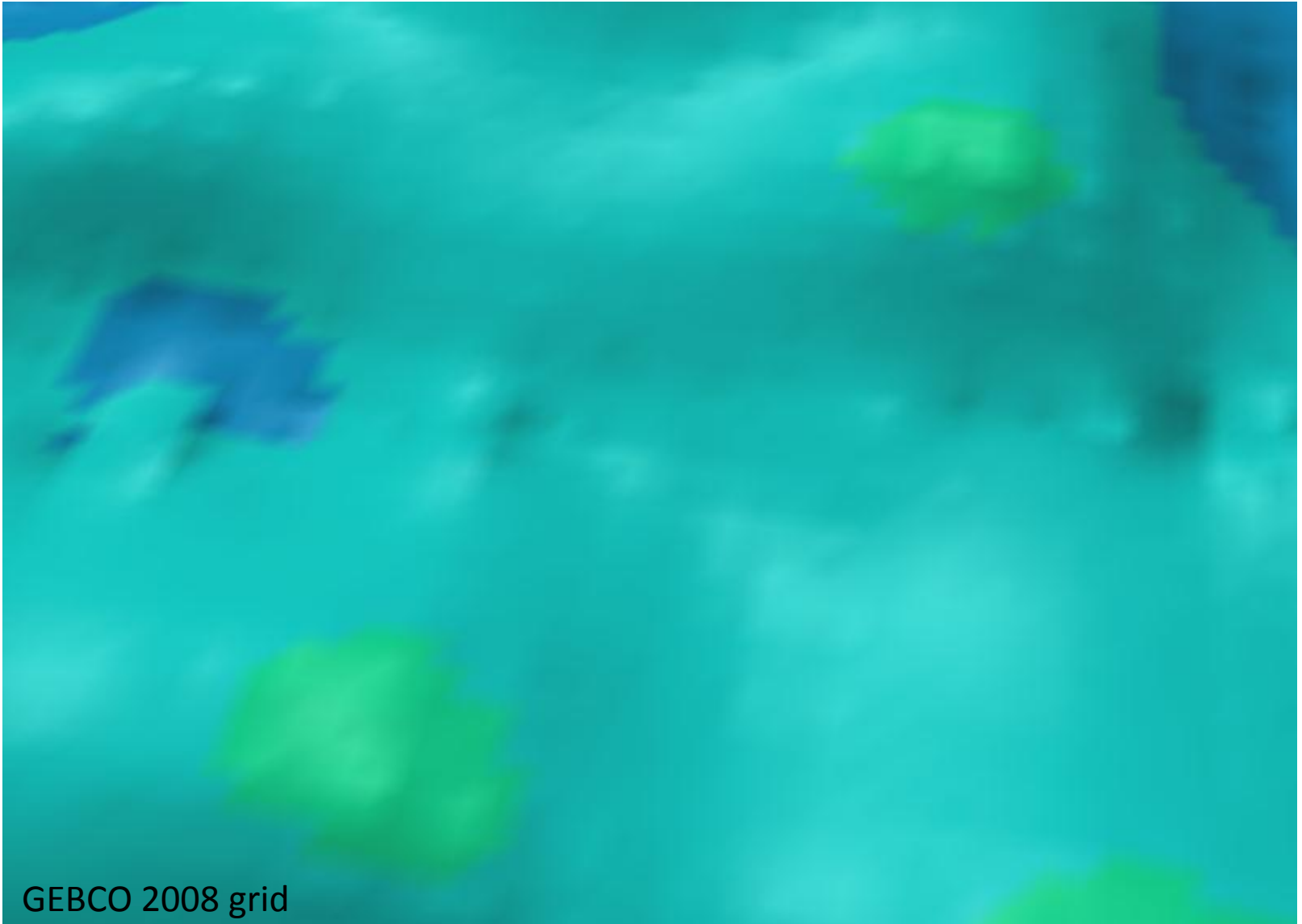


GEBCO 2008 grid

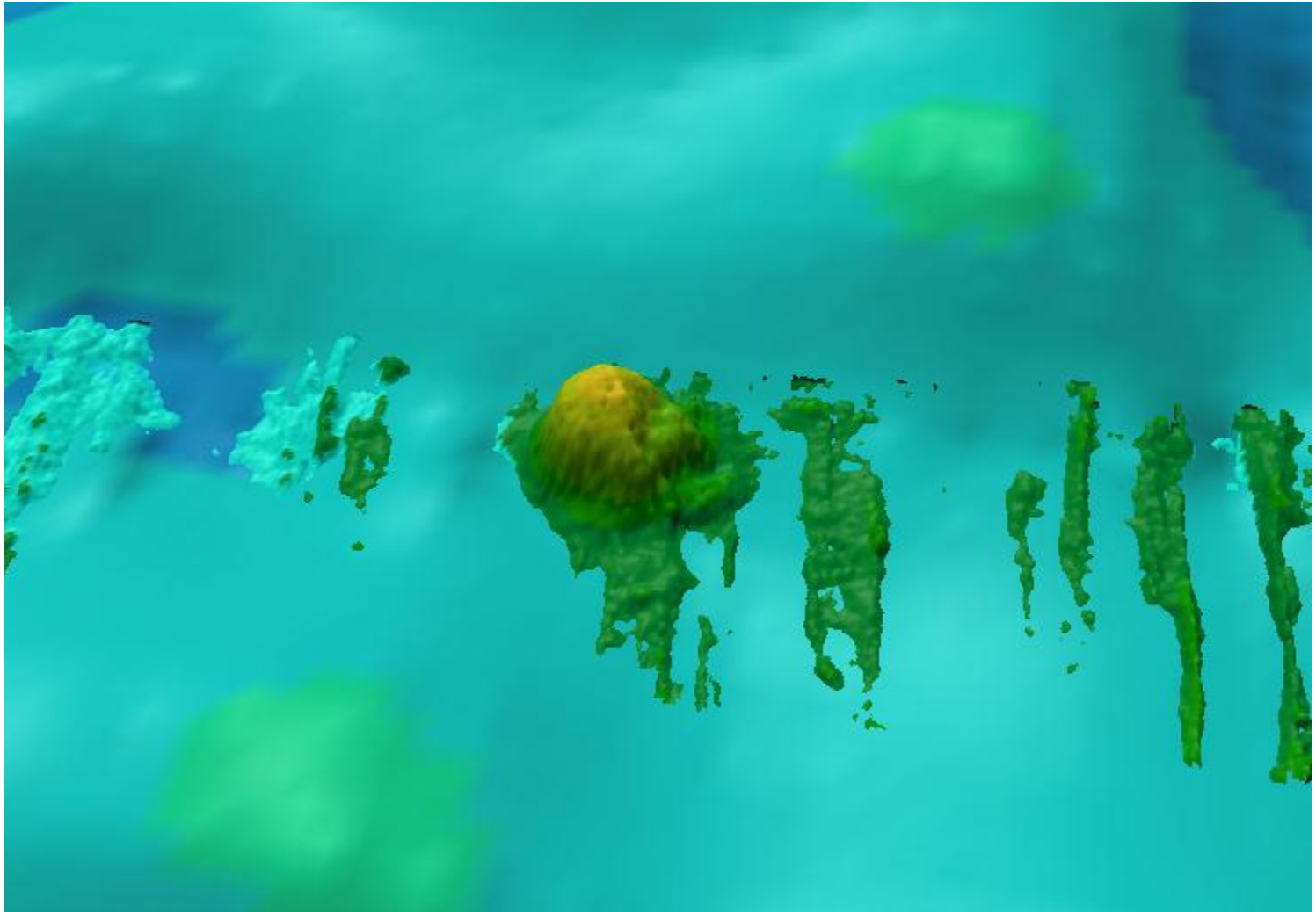
Dove Knoll

SONNE MB-Swath



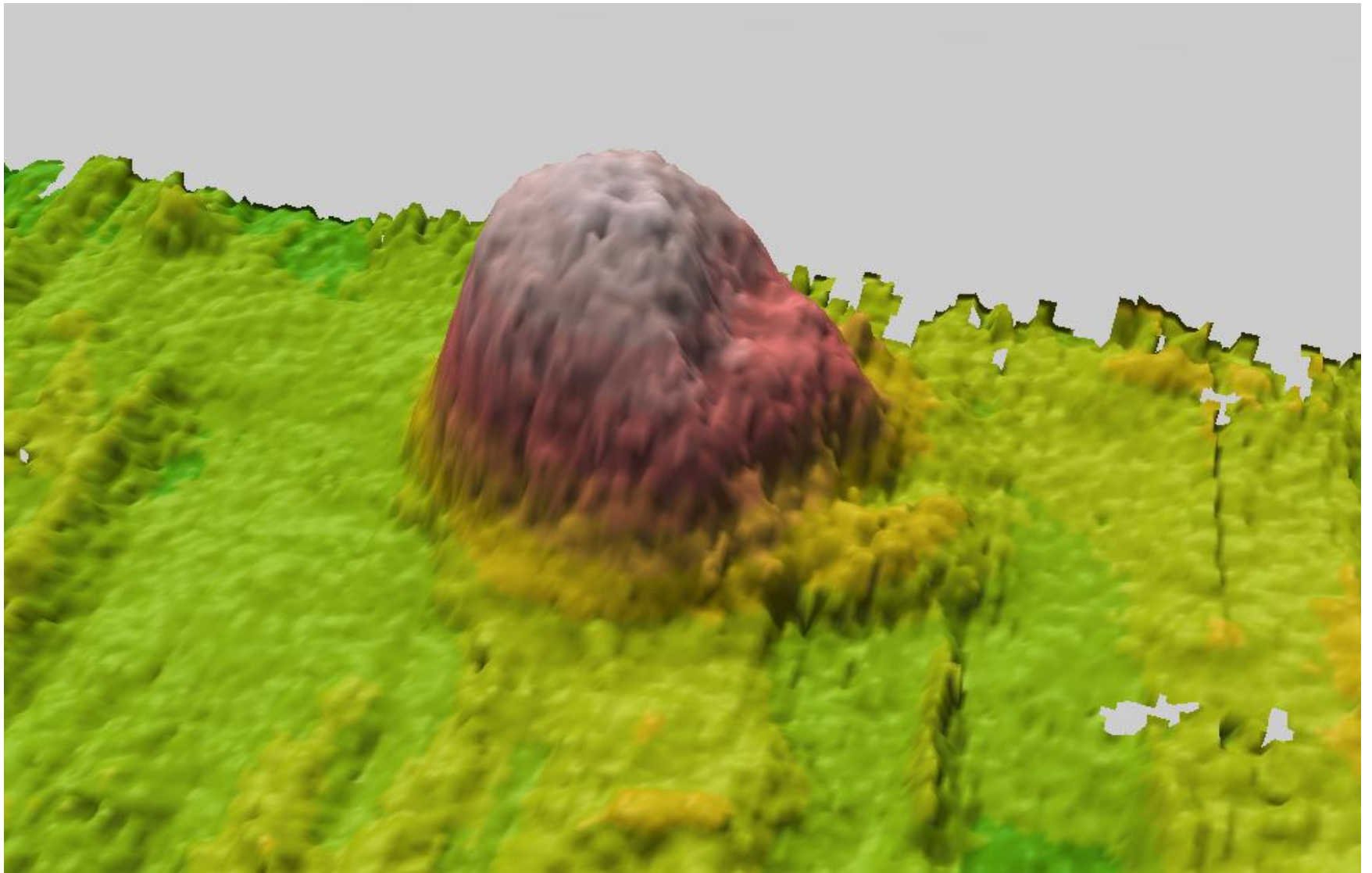


Dove Knoll

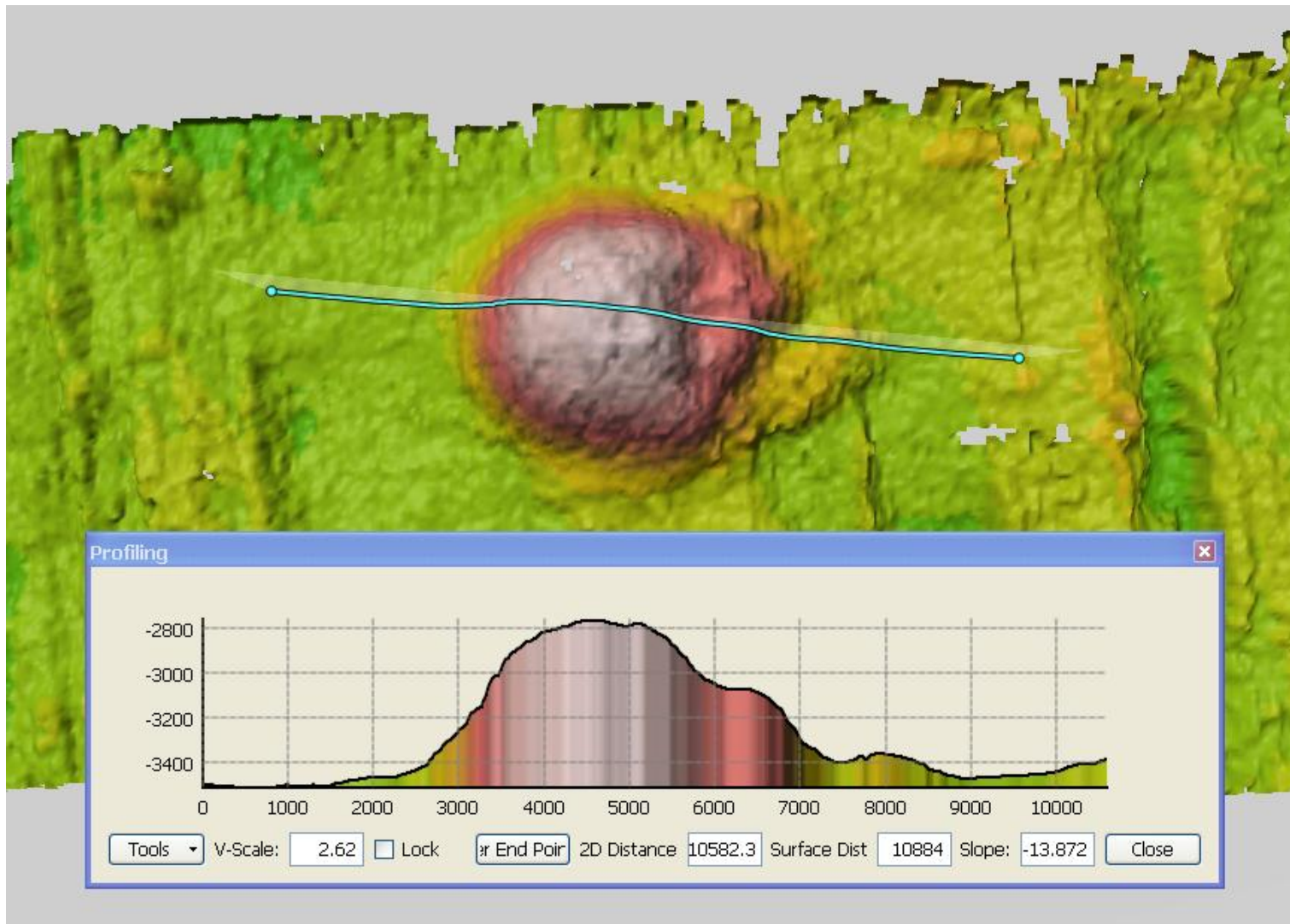


Dove Knoll





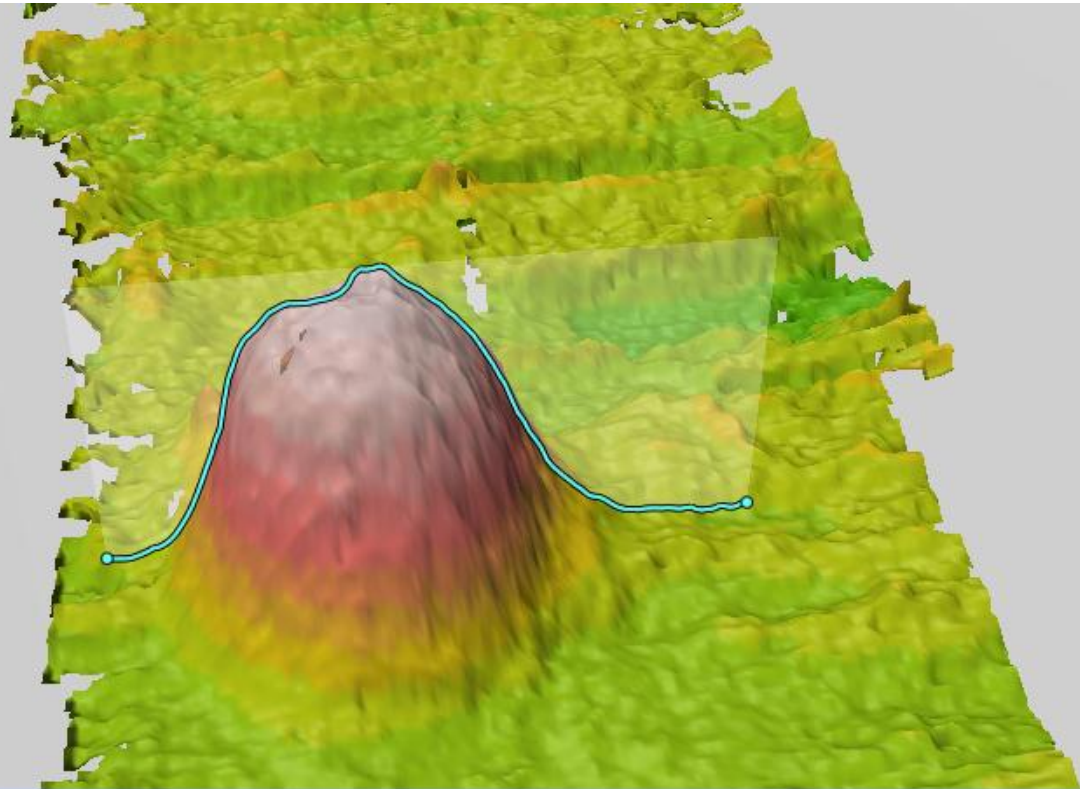
Dove Knoll



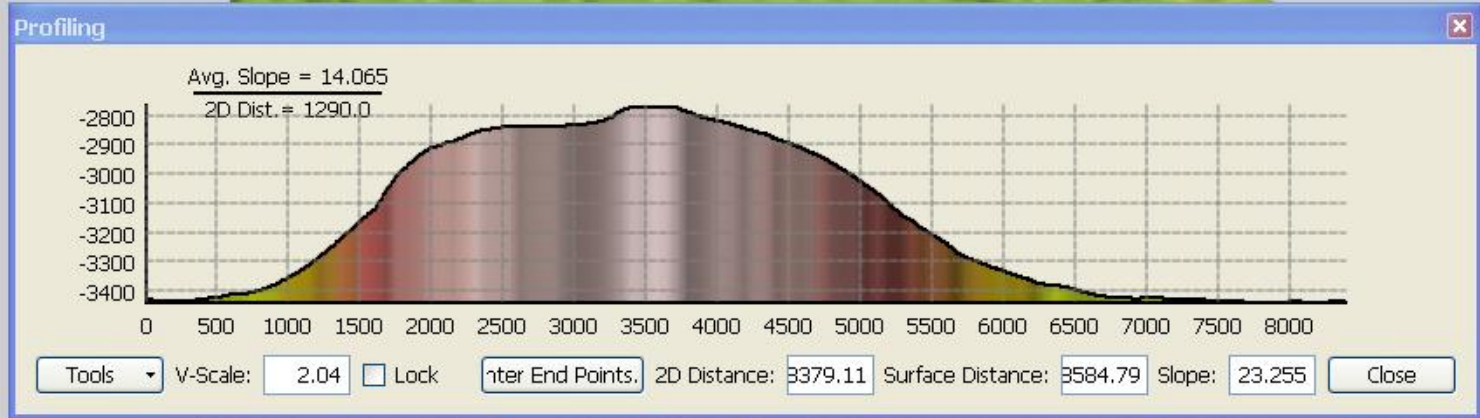
Cross profile

Dove Knoll





max. slope



Dove Knoll

# Feature Geometry: Polygon



Polygon Dove Knoll