

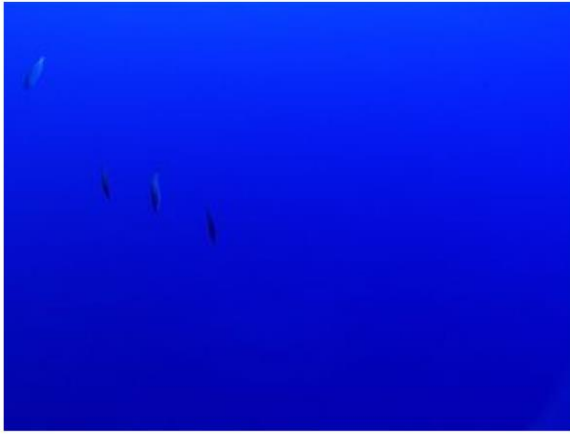
## Okeanos Explorer ROV Dive Summary

Dive Information			
Dive Map			
Site Name	"Governor Lolo" Seamount (formerly "Seamount D")		
ROV Lead(s)	Karl McLetchie		
Expedition Coordinator(s)/ Mapping Lead	Kelley Elliott / Meme Lobecker		
Science Team Lead(s)	Santiago Herrera (Biology) and Matt Jackson (Geology)		
General Area Descriptor	Samoa region, eastern portion of Am. Samoa EEZ		
ROV Dive Name			
Cruise	EX1702		
Leg			
Dive Number	04		
Equipment Deployed			
ROV	Deep Discoverer (D2)		
Camera Platform	Seirios		
ROV Measurements	<input checked="" type="checkbox"/> CTD	<input checked="" type="checkbox"/> Depth	<input checked="" type="checkbox"/> Altitude
	<input checked="" type="checkbox"/> Scanning Sonar	<input checked="" type="checkbox"/> USBL Position	<input checked="" type="checkbox"/> Heading



	<p>the Cook-Austral Islands, not Samoa. Samples from this seamount are key in defining the Cook-Austral hotspot tracks back in time, and as such an age on a volcanic rock is needed from this seamount. Without an age, it is not possible to truly define plate motion for the time frame represented by this volcano.</p> <p>From the biological perspective this dive has the potential to provide new depth records for several species as well the discovery of new species. Very little work has been done in the Central Pacific at these depths on seamounts. We aim to collect information that will inform the biogeographic identity of the communities at abyssal depths in this region.</p>	
Description of the Dive	<p>The ROV never reached bottom. The ROV achieved a depth of ~300 m and the dive was cancelled do to inclement weather.</p>	
Overall Map of the ROV Dive Area		Close-up Map of Main Dive Site
NA. The dive was cancelled.		NA. The dive was cancelled.
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Representative Photos of the Dive		





EX1702\_IMG\_20170219T193837Z\_ROVHD.jpg



EX1702\_IMG\_20170219T201036Z\_ROVHD.jpg

[Descriptive caption here]

[Descriptive caption here]

**Samples Collected**

**Sample**

Sample ID		[in situ image of specimen here]
Date (UTC)		
Time (UTC)		
Depth (m)		
Temperature ( ° C)		
Field ID(s)		
Comments		

**Sample**

Sample ID		[in situ image of specimen here]
Date (UTC)		
Time (UTC)		
Depth (m)		
Temperature ( ° C)		
Field ID(s)		
Comments		

**Sample**

Sample ID		[in situ image of specimen here]
Date (UTC)		
Time (UTC)		



Depth (m)		
Temperature ( ° C)		
Field ID(s)		
Comments		
<b>Sample</b>		
Sample ID		<i>[in situ image of specimen here]</i>
Date (UTC)		
Time (UTC)		
Depth (m)		
Temperature ( ° C)		
Field ID(s)		
Comments		

**Please direct inquiries to:**

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