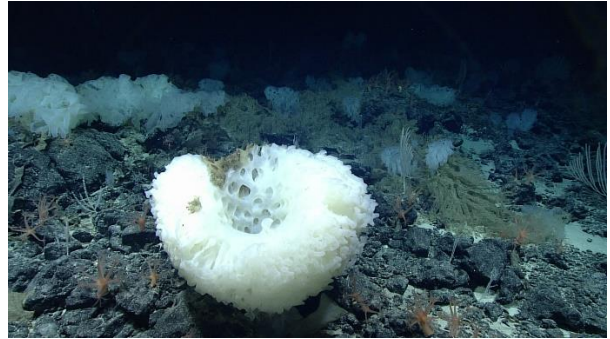


Okeanos Explorer ROV Dive Summary

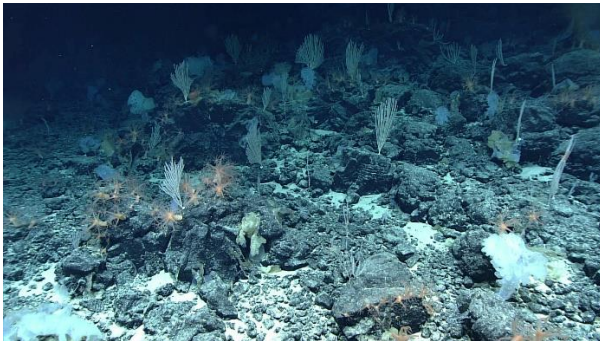
Dive Information	
General Location	
General Area Descriptor	Musicians Seamounts
Site Name	Beethoven Ridge
Science Team Leads	John R. Smith/Meagan Putts
Expedition Coordinator	Kasey Cantwell
ROV Dive Supervisor	Karl McLetchie
Mapping Lead	Mike White
ROV Dive Name	
Cruise	EX1708
Leg	-
Dive Number	DIVE03
Equipment Deployed	
ROV	Deep Discoverer
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
	<input checked="" type="checkbox"/> Pitch <input checked="" type="checkbox"/> Roll <input checked="" type="checkbox"/> HD Camera 1



Anthomastus sp. and Primnoidae coral community of massive lava outcrop



Glass sponge dominated community along with *Anthomastus* sp. and Primnoidae coral located on a talus pile



High density coral and sponge community on talus and outcrop near summit of cone. Note that most coral fans are similarly oriented, presumably facing the dominant current.

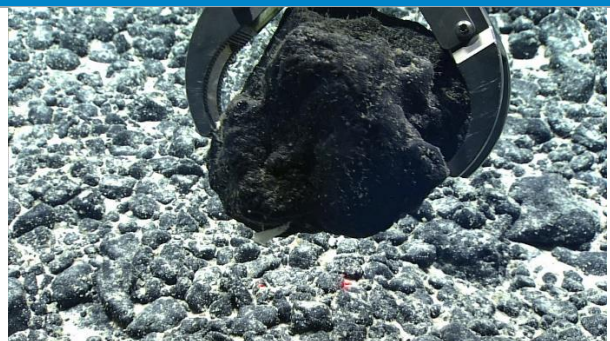



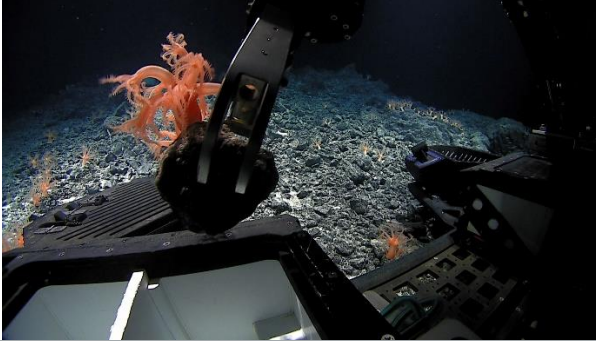

Hexactinellida vase sponge in a field of Primnoids and *Anthomastus* sp. and other glass sponges.



Samples Collected

Sample

Sample ID	EX1708_D2_DIVE03_SPEC01GE O
Date (UTC)	9/10/2017
Time (UTC)	20:03
Depth (m)	2531.1
Temperature (°C)	1.6
Field ID(s)	Manganese crusted basalt
Commensal ID and Field Identification	



Comments		
Sample		
Sample ID	EX1708_D2_DIVE03_SPEC02BIO	
Date (UTC)	9/10/2017	
Time (UTC)	21:19	
Depth (m)	2472.6	
Temperature (°C)	1.6	
Field ID(s)	Ceriantharia	
Commensal ID and Field Identification	EX1708_D2_DIVE03_SPEC02BIO_A01 EX1708_D2_DIVE03_SPEC02BIO_A02	
Comments	Three individuals in sponge stalk	
Sample		
Sample ID	EX1708_D2_DIVE03_SPEC03BIO	
Date (UTC)	9/10/2017	
Time (UTC)	22:42	
Depth (m)	2393.9	
Temperature (°C)	1.7	
Field ID(s)	<i>Anthomastus</i> sp.	
Commensal ID and Field Identification	EX1708_D2_DIVE03_SPEC03BIO_A01 Rock	
Comments	Two individuals on rock	
Sample		
Sample ID	EX1708_D2_DIVE03_SPEC04BIO	
Date (UTC)	9/11/2017	
Time (UTC)	00:11	
Depth (m)	2321.8	
Temperature (°C)	1.7	
Field ID(s)	<i>Chrysogorgia</i> sp.	
Commensal ID and Field Identification		
Comments		

Sample	
Sample ID	EX1708_D2_DIVE03_SPEC05BIO
Date (UTC)	9/11/2017
Time (UTC)	01:01
Depth (m)	2308.7
Temperature (°C)	1.7
Field ID(s)	Hexactinellida "vase"
Commensal ID and Field Identification	
Comments	
	
Sample	
Sample ID	EX1708_D2_DIVE03_SPEC06GEO
Date (UTC)	9/11/2017
Time (UTC)	01:11
Depth (m)	2303.8
Temperature (°C)	1.7
Field ID(s)	Manganese crusted basalt
Commensal ID and Field Identification	EX1708_D2_DIVE03_SPEC06GEO_A01 Hexactinellida sp. EX1708_D2_DIVE03_SPEC06GEO_A02 Anthomastus sp. EX1708_D2_DIVE03_SPEC06GEO_A03 Ophiuroidea EX1708_D2_DIVE03_SPEC06GEO_A04 Hexactinellida sp.
Comments	
	

Please direct inquiries to:

NOAA Office of Ocean Exploration & Research
 1315 East-West Highway (SSMC3 10th Floor)
 Silver Spring, MD 20910
 (301) 734-1014

