

**Cruise ID** EX2104 **Dive ID** DIVE07  
**Dive Location** Corner Rise 1 Seamount

**Spec ID** EX2104\_20210710T152035\_D2\_DIVE07\_SPEC01GEO ( EX2104\_D07\_01G )

**Collection Date:** 20210710 **Collection Time:** 152035 **Lat and Long** 35.88789 -51.52142

**Collection Reason:** Characteristic of Site **ROV Box Used:** Port Forward Rock Box

**Phylum:** **Field ID** Carbonate Sample

**Preparation** Rinsed and Dried **Depth m:** 2586.7 **Temp C** 3.326

**Preservative** Rinsed and Dried **Salinity:** 34.955 **Oxygen** 8.175

**Repository Info:** OSU **SubSample Repository:** **Bio Rep Num:**

**Submersible Videos:** EX2104\_VID\_20210710T151000Z\_ROVHD.mov; EX2104\_VID\_20210710T151459Z\_CPHD.mov;  
EX2104\_VID\_20210710T151459Z\_ROVHD.mov;  
EX2104\_VID\_20210710T151901Z\_D07\_01G\_02.mov;  
EX2104\_VID\_20210710T151940Z\_D07\_01G\_04.mov;

**FrameGrab Images:** EX2104\_IMG\_20210710T151246Z\_ROVHD.jpg; EX2104\_IMG\_20210710T151415Z\_ROVHD.jpg;  
EX2104\_IMG\_20210710T151649Z\_ROVHD.jpg; EX2104\_IMG\_20210710T151739Z\_ROVHD.jpg;  
EX2104\_IMG\_20210710T151743Z\_CPHD.jpg; EX2104\_IMG\_20210710T151910Z\_ROVHD.jpg;

<b>Cruise ID</b>	EX2104	<b>Dive ID</b>	DIVE07
<b>Dive Location</b>	Corner Rise 1 Seamount		
<b>Lab Camera Images:</b>	EX2104_IMG_20210710T151946Z_ROVHD.jpg; EX2104_IMG_20210710T152011Z_ROVHD.jpg; EX2104_IMG_20210710T152013Z_D07_01G_02.jpg; EX2104_IMG_20210710T152023Z_ROVHD.jpg; EX2104_IMG_20210710T152026Z_D07_01G_04.jpg; EX2104_IMG_20210710T152325Z_ROVHD.jpg;		
<b>Microscope Images:</b>	EX2104_IMG_20210710T152035Z_SMPSTL_D07_01G_L01.CR2; EX2104_IMG_20210710T152035Z_SMPSTL_D07_01G_L01.JPG; EX2104_IMG_20210710T152035Z_SMPSTL_D07_01G_L02.CR2; EX2104_IMG_20210710T152035Z_SMPSTL_D07_01G_L02.JPG; EX2104_IMG_20210710T152035Z_SMPSTL_D07_01G_L03.CR2; EX2104_IMG_20210710T152035Z_SMPSTL_D07_01G_L03.JPG; EX2104_IMG_20210710T152035Z_SMPSTL_D07_01G_L04.CR2; EX2104_IMG_20210710T152035Z_SMPSTL_D07_01G_L04.JPG; EX2104_IMG_20210710T152035Z_SMPSTL_D07_01G_L05.CR2; EX2104_IMG_20210710T152035Z_SMPSTL_D07_01G_L05.JPG;		

**Cruise ID**

EX2104

**Dive ID**

DIVE07

**Dive Location**

Corner Rise 1 Seamount

**Microscope Videos:**

<b>Cruise ID</b>	EX2104	<b>Dive ID</b>	DIVE07
<b>Dive Location</b>	Corner Rise 1 Seamount		
<b>Spec ID</b>	EX2104_20210710T163620_D2_DIVE07_SPEC02GEO		( EX2104_D07_02G )
<b>Collection Date:</b>	20210710	<b>Collection Time:</b>	163620
		<b>Lat and Long</b>	35.88830 -51.52076
<b>Collection Reason:</b>	Characteristic of Site		<b>ROV Box Used:</b> Starboard Forward Rock Box
<b>Phylum:</b>		<b>Field ID</b>	Basalt Rock
<b>Preparation</b>	Rinsed and Dried		<b>Depth m:</b> 2569.2 <b>Temp C</b> 3.338
<b>Preservative</b>	Rinsed and Dried		<b>Salinity:</b> 34.959 <b>Oxygen</b> 8.182
<b>Repository Info:</b>	OSU	<b>SubSample Repository:</b>	
		<b>Bio Rep Num:</b>	
<b>Submersible Videos:</b>	EX2104_VID_20210710T163000Z_ROVHD.mov; EX2104_VID_20210710T163345Z_D07_02G_02.mov; EX2104_VID_20210710T163352Z_D07_02G_04.mov; EX2104_VID_20210710T163459Z_CPHD.mov;		
<b>FrameGrab Images:</b>	EX2104_IMG_20210710T163232Z_ROVHD.jpg; EX2104_IMG_20210710T163428Z_CPHD.jpg; EX2104_IMG_20210710T163452Z_ROVHD.jpg; EX2104_IMG_20210710T163454Z_D07_02G_04.jpg; EX2104_IMG_20210710T163510Z_D07_02G_02.jpg;		

<b>Cruise ID</b>	EX2104	<b>Dive ID</b>	DIVE07
<b>Dive Location</b>	Corner Rise 1 Seamount		
<b>Lab Camera Images:</b>	EX2104_IMG_20210710T163713Z_ROVHD.jpg; EX2104_IMG_20210710T162710Z_ROVHD.jpg; EX2104_IMG_20210710T163620Z_SMPSTL_D07_02G_L01.CR2; EX2104_IMG_20210710T163620Z_SMPSTL_D07_02G_L01.JPG; EX2104_IMG_20210710T163620Z_SMPSTL_D07_02G_L02.CR2; EX2104_IMG_20210710T163620Z_SMPSTL_D07_02G_L02.JPG; EX2104_IMG_20210710T163620Z_SMPSTL_D07_02G_L03.CR2; EX2104_IMG_20210710T163620Z_SMPSTL_D07_02G_L03.JPG; EX2104_IMG_20210710T163620Z_SMPSTL_D07_02G_L04.CR2; EX2104_IMG_20210710T163620Z_SMPSTL_D07_02G_L04.JPG; EX2104_IMG_20210710T163620Z_SMPSTL_D07_02G_L05.CR2; EX2104_IMG_20210710T163620Z_SMPSTL_D07_02G_L05.JPG;		
<b>Microscope Images:</b>			
<b>Microscope Videos:</b>			

<b>Cruise ID</b>	EX2104	<b>Dive ID</b>	DIVE07
<b>Dive Location</b>	Corner Rise 1 Seamount		
<b>Spec ID</b>	EX2104_20210710T181131_D2_DIVE07_SPEC03GEO		( EX2104_D07_03G )
<b>Collection Date:</b>	20210710	<b>Collection Time:</b>	181131
		<b>Lat and Long</b>	35.88862 -51.52038
<b>Collection Reason:</b>	Characteristic of Site		<b>ROV Box Used:</b> Port Inboard Bio Box
<b>Phylum:</b>		<b>Field ID</b>	Fossil Desmophyllum dianthus
<b>Preparation</b>	Rinsed and Dried		<b>Depth m:</b> 2475.1 <b>Temp C</b> 3.463
<b>Preservative</b>	Rinsed and Dried		<b>Salinity:</b> 34.966 <b>Oxygen</b> 8.162
<b>Repository Info:</b>	OSU	<b>SubSample Repository:</b>	
		<b>Bio Rep Num:</b>	
<b>Submersible Videos:</b>	EX2104_VID_20210710T180000Z_ROVHD.mov; EX2104_VID_20210710T180459Z_ROVHD.mov; EX2104_VID_20210710T180611Z_D07_03G_11.mov; EX2104_VID_20210710T180614Z_D07_03G_04.mov; EX2104_VID_20210710T181000Z_CPHD.mov; EX2104_VID_20210710T181000Z_ROVHD.mov; EX2104_VID_20210710T181026Z_D07_03G_04.mov; EX2104_VID_20210710T181122Z_D07_03G_11.mov;		
<b>FrameGrab Images:</b>	EX2104_IMG_20210710T175813Z_ROVHD.jpg; EX2104_IMG_20210710T180045Z_ROVHD.jpg;		

**Cruise ID** EX2104

**Dive ID** DIVE07

**Dive Location** Corner Rise 1 Seamount

EX2104\_IMG\_20210710T180715Z\_D07\_03G\_11.jpg; EX2104\_IMG\_20210710T180834Z\_CPHD.jpg;  
EX2104\_IMG\_20210710T180846Z\_D07\_03G\_04.jpg;  
EX2104\_IMG\_20210710T180928Z\_ROVHD.jpg;  
EX2104\_IMG\_20210710T181044Z\_D07\_03G\_04.jpg;  
EX2104\_IMG\_20210710T181135Z\_D07\_03G\_11.jpg;  
EX2104\_IMG\_20210710T181357Z\_ROVHD.jpg;

**Lab Camera Images:**

**Microscope Images:**

**Microscope Videos:**

<b>Cruise ID</b>	EX2104	<b>Dive ID</b>	DIVE07
<b>Dive Location</b>	Corner Rise 1 Seamount		
<b>Spec ID</b>	EX2104_20210710T181131_D2_DIVE07_SPEC03GEO_A01		( EX2104_D07_03G_A01 )
<b>Collection Date:</b>	20210710	<b>Collection Time:</b>	181131
		<b>Lat and Long</b>	35.88862 -51.52038
<b>Collection Reason:</b>		<b>ROV Box Used:</b>	
<b>Phylum:</b>		<b>Field ID</b>	Biogenic Sediment
<b>Preparation</b>	Rinsed and Dried	<b>Depth m:</b>	2475.1
		<b>Temp C</b>	3.463
<b>Preservative</b>	Rinsed and Dried	<b>Salinity:</b>	34.966
		<b>Oxygen</b>	8.162
<b>Repository Info:</b>	OSU	<b>SubSample Repository:</b>	
		<b>Bio Rep Num:</b>	
<b>Submersible Videos:</b>			
<b>FrameGrab Images:</b>			
<b>Lab Camera Images:</b>	EX2104_IMG_20210710T181131Z_SMPSTL_D07_03G_A01_L01.CR2; EX2104_IMG_20210710T181131Z_SMPSTL_D07_03G_A01_L01.JPG; EX2104_IMG_20210710T181131Z_SMPSTL_D07_03G_A01_L02.CR2; EX2104_IMG_20210710T181131Z_SMPSTL_D07_03G_A01_L02.JPG; EX2104_IMG_20210710T181131Z_SMPSTL_D07_03G_A01_L03.CR2;		

**Cruise ID**

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**Dive ID**

DIVE07

**Dive Location**

Corner Rise 1 Seamount

EX2104\_IMG\_20210710T181131Z\_SMPSTL\_D07\_03G\_A01\_L03.JPG;  
EX2104\_IMG\_20210710T181131Z\_SMPSTL\_D07\_03G\_A01\_L04.CR2;  
EX2104\_IMG\_20210710T181131Z\_SMPSTL\_D07\_03G\_A01\_L04.JPG;  
EX2104\_IMG\_20210710T181131Z\_SMPSTL\_D07\_03G\_A01\_L05.CR2;  
EX2104\_IMG\_20210710T181131Z\_SMPSTL\_D07\_03G\_A01\_L05.JPG;  
EX2104\_IMG\_20210710T181131Z\_SMPSTL\_D07\_03G\_A01\_L06.CR2;  
EX2104\_IMG\_20210710T181131Z\_SMPSTL\_D07\_03G\_A01\_L06.JPG;  
EX2104\_IMG\_20210710T181131Z\_SMPSTL\_D07\_03G\_A01\_L07.CR2;  
EX2104\_IMG\_20210710T181131Z\_SMPSTL\_D07\_03G\_A01\_L07.JPG;  
EX2104\_IMG\_20210710T181131Z\_SMPWLF\_D07\_03G\_A01\_L01.jpg;  
EX2104\_IMG\_20210710T181131Z\_SMPWLF\_D07\_03G\_A01\_L02.jpg;  
EX2104\_IMG\_20210710T181131Z\_SMPWLF\_D07\_03G\_A01\_L03.jpg;  
EX2104\_IMG\_20210710T181131Z\_SMPWLF\_D07\_03G\_A01\_L04.jpg;  
EX2104\_IMG\_20210710T181131Z\_SMPWLF\_D07\_03G\_A01\_L05.jpg;  
EX2104\_IMG\_20210710T181131Z\_SMPWLF\_D07\_03G\_A01\_L06.jpg;  
EX2104\_IMG\_20210710T181131Z\_SMPWLF\_D07\_03G\_A01\_L07.jpg;  
EX2104\_IMG\_20210710T181131Z\_SMPWLF\_D07\_03G\_A01\_L08.jpg;  
EX2104\_IMG\_20210710T181131Z\_SMPWLF\_D07\_03G\_A01\_L09.jpg;

**Cruise ID**

EX2104

**Dive ID**

DIVE07

**Dive Location**

Corner Rise 1 Seamount

**Microscope Images:**

**Microscope Videos:**

**Cruise ID** EX2104 **Dive ID** DIVE07  
**Dive Location** Corner Rise 1 Seamount

**Spec ID** EX2104\_20210710T181437\_D2\_DIVE07\_SPEC04BIO ( EX2104\_D07\_04B )

**Collection Date:** 20210710 **Collection Time:** 181437 **Lat and Long** 35.88870 -51.52038

**Collection Reason:** Potential Undescribed Species **ROV Box Used:** Port Inboard Bio Box

**Phylum:** Porifera **Field ID** Demospongiae

**Preparation** 95% analytical EtOH **Depth m:** 2475.0 **Temp C** 3.459

**Preservative** 95% EtOH **Salinity:** 34.963 **Oxygen** 8.117

**Repository Info:** SNMNH **SubSample Repository:** SNMNH **Bio Rep Num:**

**Submersible Videos:** EX2104\_VID\_20210710T181247Z\_D07\_04B\_02.mov;  
EX2104\_VID\_20210710T181247Z\_D07\_04B\_04.mov; EX2104\_VID\_20210710T181459Z\_CPHD.mov;

**FrameGrab Images:** EX2104\_IMG\_20210710T181404Z\_CPHD.jpg; EX2104\_IMG\_20210710T181405Z\_D07\_04B\_04.jpg;  
EX2104\_IMG\_20210710T181417Z\_D07\_04B\_02.jpg;  
EX2104\_IMG\_20210710T181717Z\_ROVHD.jpg; EX2104\_IMG\_20210710T181928Z\_ROVHD.jpg;

**Lab Camera Images:** EX2104\_IMG\_20210710T181437Z\_SMPSTL\_D07\_04B\_L01.CR2;  
EX2104\_IMG\_20210710T181437Z\_SMPSTL\_D07\_04B\_L02.CR2;

<b>Cruise ID</b>	EX2104	<b>Dive ID</b>	DIVE07
<b>Dive Location</b>	Corner Rise 1 Seamount		
	EX2104_IMG_20210710T181437Z_SMPSTL_D07_04B_L02.JPG; EX2104_IMG_20210710T181437Z_SMPSTL_D07_04B_L03.CR2; EX2104_IMG_20210710T181437Z_SMPSTL_D07_04B_L03.JPG; EX2104_IMG_20210710T181437Z_SMPSTL_D07_04B_L04.CR2; EX2104_IMG_20210710T181437Z_SMPSTL_D07_04B_L04.JPG; EX2104_IMG_20210710T181437Z_SMPSTL_D07_04B_L05.CR2; EX2104_IMG_20210710T181437Z_SMPSTL_D07_04B_L05.JPG;		
<b>Microscope Images:</b>			
<b>Microscope Videos:</b>			