

Cruise ID	EX2104	Dive ID	DIVE04
Dive Location	Dumbbell Seamount		

Spec I EX2104_20210707T164802_D2_DIVE04_SPEC01BIO (EX2104_D04_01B)

Collection Date: 20210707 **Collection Time:** 164802 **Lat and Long** 34.39135 -51.77375

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

Phylum: Porifera **Field ID** Euplectellidae

Preparation 95% analytical EtOH **Depth m:** 2356.6 **Temp C** 3.385

Preservative 95% EtOH **Salinity:** 34.965 **Oxygen** 8.107

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

Submersible Videos:
 EX2104_VID_20210707T164000Z_ROVHD.mov;
 EX2104_VID_20210707T164335Z_D04_01B_02.mov;
 EX2104_VID_20210707T164357Z_D04_01B_04.mov;
 EX2104_VID_20210707T164459Z_CPHD.mov; EX2104_VID_20210707T164459Z_ROVHD.mov;
 EX2104_VID_20210707T164657Z_D04_01B_02.mov;

FrameGrab Images:
 EX2104_IMG_20210707T164110Z_ROVHD.jpg; EX2104_IMG_20210707T164210Z_ROVHD.jpg;
 EX2104_IMG_20210707T164344Z_D04_01B_02.jpg;
 EX2104_IMG_20210707T164408Z_ROVHD.jpg;
 EX2104_IMG_20210707T164435Z_D04_01B_04.jpg;
 EX2104_IMG_20210707T164500Z_ROVHD.jpg;
 EX2104_IMG_20210707T164514Z_D04_01B_02.jpg; EX2104_IMG_20210707T164516Z_CPHD.jpg;
 EX2104_IMG_20210707T164526Z_D04_01B_04.jpg;
 EX2104_IMG_20210707T164603Z_ROVHD.jpg;
 EX2104_IMG_20210707T164633Z_D04_01B_04.jpg;
 EX2104_IMG_20210707T164713Z_D04_01B_02.jpg;
 EX2104_IMG_20210707T164725Z_ROVHD.jpg; EX2104_IMG_20210707T164912Z_ROVHD.jpg;

Lab Camera Images:
 EX2104_IMG_20210707T164802Z_SMPSTL_D04_01B_L01.CR2;
 EX2104_IMG_20210707T164802Z_SMPSTL_D04_01B_L01.JPG;
 EX2104_IMG_20210707T164802Z_SMPSTL_D04_01B_L02.CR2;
 EX2104_IMG_20210707T164802Z_SMPSTL_D04_01B_L02.JPG;
 EX2104_IMG_20210707T164802Z_SMPSTL_D04_01B_L03.CR2;
 EX2104_IMG_20210707T164802Z_SMPSTL_D04_01B_L03.JPG;
 EX2104_IMG_20210707T164802Z_SMPSTL_D04_01B_L04.CR2;
 EX2104_IMG_20210707T164802Z_SMPSTL_D04_01B_L04.JPG;

Microscope Images:

Microscope Videos:

Cruise ID	EX2104	Dive ID	DIVE04		
Dive Location	Dumbbell Seamount				
Spec I	EX2104_20210707T170520_D2_DIVE04_SPEC02BIO		(EX2104_D04_02B)		
Collection Date:	20210707	Collection Time:	170520	Lat and Long	34.39130 -51.77379
Collection Reason:	New or Unusual Morphotype		ROV Box Used	Port Inboard Bio Box	
Phylum:	Cnidaria	Field ID	Keratoisis		
Preparation	10% formalin for 24 hours then switch to 70% EtOH		Depth m:	2355.2	Temp C 3.371
Preservative	70% EtOH		Salinity:	34.965	Oxygen 8.163
Repository Info:	SNMNH	SubSample Repository:	SNMNH	Bio Rep Num:	
Submersible Videos:	EX2104_VID_20210707T170000Z_ROVHD.mov; EX2104_VID_20210707T170024Z_D04_02B_04.mov; EX2104_VID_20210707T170040Z_D04_02B_02.mov; EX2104_VID_20210707T170459Z_ROVHD.mov; EX2104_VID_20210707T165459Z_ROVHD.mov; EX2104_VID_20210707T170000Z_CPHD.mov;				
FrameGrab Images:	EX2104_IMG_20210707T165749Z_ROVHD.jpg; EX2104_IMG_20210707T165813Z_ROVHD.jpg; EX2104_IMG_20210707T165826Z_ROVHD.jpg; EX2104_IMG_20210707T170005Z_ROVHD.jpg; EX2104_IMG_20210707T170046Z_D04_02B_04.jpg; EX2104_IMG_20210707T170050Z_D04_02B_02.jpg; EX2104_IMG_20210707T170103Z_ROVHD.jpg; EX2104_IMG_20210707T170119Z_D04_02B_04.jpg; EX2104_IMG_20210707T170157Z_D04_02B_02.jpg; EX2104_IMG_20210707T170215Z_D04_02B_04.jpg; EX2104_IMG_20210707T170234Z_D04_02B_02.jpg; EX2104_IMG_20210707T170302Z_D04_02B_02.jpg; EX2104_IMG_20210707T170317Z_CPHD.jpg; EX2104_IMG_20210707T170323Z_D04_02B_04.jpg; EX2104_IMG_20210707T170356Z_ROVHD.jpg; EX2104_IMG_20210707T170410Z_D04_02B_02.jpg; EX2104_IMG_20210707T170419Z_D04_02B_04.jpg; EX2104_IMG_20210707T170435Z_D04_02B_04.jpg; EX2104_IMG_20210707T170711Z_ROVHD.jpg;				
Lab Camera Images:	EX2104_IMG_20210707T170520Z_SMPSTL_D04_02B_L01.CR2; EX2104_IMG_20210707T170520Z_SMPSTL_D04_02B_L01.JPG; EX2104_IMG_20210707T170520Z_SMPSTL_D04_02B_L02.CR2; EX2104_IMG_20210707T170520Z_SMPSTL_D04_02B_L02.JPG; EX2104_IMG_20210707T170520Z_SMPSTL_D04_02B_L03.CR2; EX2104_IMG_20210707T170520Z_SMPSTL_D04_02B_L03.JPG; EX2104_IMG_20210707T170520Z_SMPSTL_D04_02B_L04.CR2;				

Cruise ID EX2104

Dive ID DIVE04

Dive Location Dumbbell Seamount

EX2104_IMG_20210707T170520Z_SMPSTL_D04_02B_L04.JPG;

Microscope Images:

Microscope Videos:

Cruise ID	EX2104	Dive ID	DIVE04		
Dive Location	Dumbbell Seamount				
Spec I	EX2104_20210707T175205_D2_DIVE04_SPEC03GEO		(EX2104_D04_03G)		
Collection Date:	20210707	Collection Time:	175205	Lat and Long	34.39127 -51.77323
Collection Reason:	Characteristic of Site		ROV Box Used	Starboard Forward Rock Box	
Phylum:		Field ID	rock encrusted in FeMn		
Preparation	Rinsed and Dried		Depth m:	2330.3	Temp C 3.406
Preservative	Rinsed and Dried		Salinity:	34.965	Oxygen 8.113
Repository Info:	OSU	SubSample Repository:		Bio Rep Num:	
Submersible Videos:	EX2104_VID_20210707T174459Z_ROVHD.mov; EX2104_VID_20210707T174926Z_D04_03G_04.mov; EX2104_VID_20210707T174940Z_D04_03G_02.mov; EX2104_VID_20210707T175000Z_CPHD.mov; EX2104_VID_20210707T175000Z_ROVHD.mov; EX2104_VID_20210707T175114Z_D04_03G_02.mov; EX2104_VID_20210707T175459Z_ROVHD.mov;				
FrameGrab Images:	EX2104_IMG_20210707T174510Z_ROVHD.jpg; EX2104_IMG_20210707T174612Z_ROVHD.jpg; EX2104_IMG_20210707T174618Z_CPHD.jpg; EX2104_IMG_20210707T174740Z_ROVHD.jpg; EX2104_IMG_20210707T174855Z_ROVHD.jpg; EX2104_IMG_20210707T174933Z_D04_03G_04.jpg; EX2104_IMG_20210707T174946Z_ROVHD.jpg; EX2104_IMG_20210707T174950Z_D04_03G_04.jpg; EX2104_IMG_20210707T174957Z_D04_03G_02.jpg;				
Lab Camera Images:	EX2104_IMG_20210707T175205Z_SMPSTL_D04_03G_L01.CR2; EX2104_IMG_20210707T175205Z_SMPSTL_D04_03G_L01.JPG; EX2104_IMG_20210707T175205Z_SMPSTL_D04_03G_L02.CR2; EX2104_IMG_20210707T175205Z_SMPSTL_D04_03G_L02.JPG; EX2104_IMG_20210707T175205Z_SMPSTL_D04_03G_L03.CR2; EX2104_IMG_20210707T175205Z_SMPSTL_D04_03G_L03.JPG; EX2104_IMG_20210707T175205Z_SMPSTL_D04_03G_L04.CR2; EX2104_IMG_20210707T175205Z_SMPSTL_D04_03G_L04.JPG; EX2104_IMG_20210707T175205Z_SMPSTL_D04_03G_L05.CR2; EX2104_IMG_20210707T175205Z_SMPSTL_D04_03G_L05.JPG; EX2104_IMG_20210707T175205Z_SMPSTL_D04_03G_L06.CR2; EX2104_IMG_20210707T175205Z_SMPSTL_D04_03G_L06.JPG;				
Microscope Images:					
Microscope Videos:					

Cruise ID	EX2104	Dive ID	DIVE04
Dive Location	Dumbbell Seamount		

Spec I EX2104_20210707T180242_D2_DIVE04_SPEC04GEO (EX2104_D04_04G)

Collection Date: 20210707 **Collection Time:** 180242 **Lat and Long** 34.39129 -51.77286

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

Phylum: **Field ID** Loose rock: Potential Ice Raft Debris

Preparation Rinsed and Dried **Depth m:** 2326.3 **Temp C** 3.395

Preservative Rinsed and Dried **Salinity:** 34.962 **Oxygen** 8.151

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

Submersible Videos: EX2104_VID_20210707T180000Z_CPHD.mov; EX2104_VID_20210707T180000Z_ROVHD.mov;
EX2104_VID_20210707T180046Z_D04_04G_04.mov;
EX2104_VID_20210707T180111Z_D04_04G_02.mov;
EX2104_VID_20210707T180459Z_ROVHD.mov;

FrameGrab Images: EX2104_IMG_20210707T175939Z_ROVHD.jpg; EX2104_IMG_20210707T180007Z_ROVHD.jpg;
EX2104_IMG_20210707T180052Z_CPHD.jpg; EX2104_IMG_20210707T180055Z_D04_04G_04.jpg;
EX2104_IMG_20210707T180115Z_ROVHD.jpg;
EX2104_IMG_20210707T180122Z_D04_04G_04.jpg;
EX2104_IMG_20210707T180144Z_ROVHD.jpg;
EX2104_IMG_20210707T180206Z_D04_04G_02.jpg;
EX2104_IMG_20210707T180208Z_D04_04G_04.jpg;
EX2104_IMG_20210707T180222Z_ROVHD.jpg;
EX2104_IMG_20210707T180227Z_D04_04G_04.jpg;

Lab Camera Images: EX2104_IMG_20210707T180242Z_SMPSTL_D04_04G_L01.CR2;
EX2104_IMG_20210707T180242Z_SMPSTL_D04_04G_L01.JPG;
EX2104_IMG_20210707T180242Z_SMPSTL_D04_04G_L02.CR2;
EX2104_IMG_20210707T180242Z_SMPSTL_D04_04G_L02.JPG;
EX2104_IMG_20210707T180242Z_SMPSTL_D04_04G_L03.CR2;
EX2104_IMG_20210707T180242Z_SMPSTL_D04_04G_L03.JPG;
EX2104_IMG_20210707T180242Z_SMPSTL_D04_04G_L04.CR2;
EX2104_IMG_20210707T180242Z_SMPSTL_D04_04G_L04.JPG;
EX2104_IMG_20210707T180242Z_SMPSTL_D04_04G_L05.CR2;
EX2104_IMG_20210707T180242Z_SMPSTL_D04_04G_L05.JPG;

Microscope Images:

Microscope Videos:

Cruise ID	EX2104	Dive ID	DIVE04		
Dive Location	Dumbbell Seamount				
Spec I	EX2104_20210707T190358_D2_DIVE04_SPEC05BIO		(EX2104_D04_05B)		
Collection Date:	20210707	Collection Time:	190358	Lat and Long	34.39042 -51.77142
Collection Reason:	Potential Undescribed Species	ROV Box Used	Starboard Inboard Bio Box		
Phylum:	Echinodermata	Field ID	Bathycrinidae		
Preparation	95% analytical EtOH	Depth m:	2259.6	Temp C	3.578
Preservative	95% EtOH	Salinity:	34.978	Oxygen	8.115
Repository Info:	SNMNH	SubSample Repository:	SNMNH	Bio Rep Num:	
Submersible Videos:	EX2104_VID_20210707T185000Z_ROVHD.mov; EX2104_VID_20210707T185459Z_CPHD.mov; EX2104_VID_20210707T185459Z_ROVHD.mov; EX2104_VID_20210707T185727Z_D04_05B_02.mov; EX2104_VID_20210707T185857Z_D04_05B_05.mov; EX2104_VID_20210707T190000Z_ROVHD.mov; EX2104_VID_20210707T190240Z_D04_05B_02.mov;				
FrameGrab Images:	EX2104_IMG_20210707T185521Z_ROVHD.jpg; EX2104_IMG_20210707T185757Z_ROVHD.jpg; EX2104_IMG_20210707T185803Z_D04_05B_02.jpg; EX2104_IMG_20210707T185832Z_CPHD.jpg; EX2104_IMG_20210707T185929Z_ROVHD.jpg; EX2104_IMG_20210707T185947Z_D04_05B_05.jpg; EX2104_IMG_20210707T190004Z_ROVHD.jpg; EX2104_IMG_20210707T190018Z_ROVHD.jpg; EX2104_IMG_20210707T190032Z_ROVHD.jpg; EX2104_IMG_20210707T190109Z_ROVHD.jpg; EX2104_IMG_20210707T190111Z_D04_05B_05.jpg; EX2104_IMG_20210707T190152Z_D04_05B_05.jpg; EX2104_IMG_20210707T190252Z_D04_05B_02.jpg;				
Lab Camera Images:	EX2104_IMG_20210707T190358Z_SMPSTL_D04_05B_L01.CR2; EX2104_IMG_20210707T190358Z_SMPSTL_D04_05B_L01.JPG; EX2104_IMG_20210707T190358Z_SMPSTL_D04_05B_L02.CR2; EX2104_IMG_20210707T190358Z_SMPSTL_D04_05B_L02.JPG; EX2104_IMG_20210707T190358Z_SMPSTL_D04_05B_L03.CR2; EX2104_IMG_20210707T190358Z_SMPSTL_D04_05B_L03.JPG; EX2104_IMG_20210707T190358Z_SMPSTL_D04_05B_L04.CR2; EX2104_IMG_20210707T190358Z_SMPSTL_D04_05B_L04.JPG;				
Microscope Images:					
Microscope Videos:					