

Cruise ID	EX1708	Dive ID	DIVE03
Dive Location	Beethoven Ridge		

Specimen ID	EX1708_20170909T200313_D2_DIVE03_SPEC01GEO	Date and Time:	20170909	200313	
Field ID	ROCK	Lat and Long:	26.220	-159.150	
Preparation	Dry	Depth m	2531.1	Temp C	1.640
		Oxygen	2.960	Vial #	

Submersible Videos: EX1708_VID_20170909T195500Z_CPHD.mov; EX1708_VID_20170909T195500Z_ROVHD.mov; EX1708_VID_20170909T195839Z_D2_DIVE03_SPEC01GEO_02.mov; EX1708_VID_20170909T195839Z_D2_DIVE03_SPEC01GEO_04.mov; EX1708_VID_20170909T200000Z_CPHD.mov; EX1708_VID_20170909T200000Z_ROVHD.mov; EX1708_VID_20170909T200247Z_D2_DIVE03_SPEC01GEO_02.mov; EX1708_VID_20170909T200247Z_D2_DIVE03_SPEC01GEO_04.mov;

FrameGrab Images: EX1708_IMG_20170909T195441Z_ROVHD.jpg; EX1708_IMG_20170909T195756Z_CPHD.jpg; EX1708_IMG_20170909T195833Z_ROVHD.jpg; EX1708_IMG_20170909T195850Z_D2_DIVE03_SPEC01GEO_02.jpg; EX1708_IMG_20170909T195851Z_D2_DIVE03_SPEC01GEO_04.jpg; EX1708_IMG_20170909T195910Z_ROVHD.jpg; EX1708_IMG_20170909T200111Z_ROVHD.jpg; EX1708_IMG_20170909T200227Z_CPHD.jpg; EX1708_IMG_20170909T200249Z_D2_DIVE03_SPEC01GEO_02.jpg; EX1708_IMG_20170909T200255Z_D2_DIVE03_SPEC01GEO_04.jpg; EX1708_IMG_20170909T005000Z_SMPSTL_D2_DIVE03_SPEC01GEO_COLOR_PALETTE.CR2; EX1708_IMG_20170909T005000Z_SMPSTL_D2_DIVE03_SPEC01GEO_COLOR_PALETTE.JPG;

Lab Camera Images: EX1708_IMG_20170909T200313Z_SMPSTL_D2_DIVE03_SPEC01GEO_L01.CR2; EX1708_IMG_20170909T200313Z_SMPSTL_D2_DIVE03_SPEC01GEO_L01.JPG; EX1708_IMG_20170909T200313Z_SMPSTL_D2_DIVE03_SPEC01GEO_L02.CR2; EX1708_IMG_20170909T200313Z_SMPSTL_D2_DIVE03_SPEC01GEO_L02.JPG;

Microscope Images:

Microscope Videos:

Cruise ID	EX1708	Dive ID	DIVE03
Dive Location	Beethoven Ridge		

Specimen ID	EX1708_20170909T211928_D2_DIVE03_SPEC02BIO	Date and Time:	20170909	211928
Field ID	Ceriantharia	Lat and Long:	26.220	-159.150
Preparation	2 anemones in formalin 48 hours, rinse with H2O, store in EtO	Depth m	2472.6	Temp C 1.600
		Oxygen	3.010	Vial #

Submersible Videos: EX1708_VID_20170909T210500Z_CPHD.mov; EX1708_VID_20170909T210500Z_ROVHD.mov; EX1708_VID_20170909T211000Z_CPHD.mov; EX1708_VID_20170909T211000Z_ROVHD.mov; EX1708_VID_20170909T211500Z_CPHD.mov; EX1708_VID_20170909T211500Z_ROVHD.mov; EX1708_VID_20170909T211518Z_D2_DIVE03_SPEC02BIO_02.mov; EX1708_VID_20170909T211518Z_D2_DIVE03_SPEC02BIO_04.mov; EX1708_VID_20170909T211836Z_D2_DIVE03_SPEC02BIO_02.mov; EX1708_VID_20170909T211836Z_D2_DIVE03_SPEC02BIO_04.mov;

FrameGrab Images: EX1708_IMG_20170909T210835Z_ROVHD.jpg; EX1708_IMG_20170909T211038Z_ROVHD.jpg; EX1708_IMG_20170909T211133Z_CPHD.jpg; EX1708_IMG_20170909T211535Z_D2_DIVE03_SPEC02BIO_04.jpg; EX1708_IMG_20170909T211539Z_D2_DIVE03_SPEC02BIO_02.jpg; EX1708_IMG_20170909T211546Z_ROVHD.jpg; EX1708_IMG_20170909T211845Z_D2_DIVE03_SPEC02BIO_04.jpg; EX1708_IMG_20170909T211846Z_D2_DIVE03_SPEC02BIO_02.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Specimen ID	EX1708_20170909T211928_D2_DIVE03_SPEC02BIO	Date and Time:	20170909	211928
Field ID	Ceriantharia	Lat and Long:	26.220	-159.150
Preparation	2 anemones in formalin 48 hours, rinse with H2O, store in EtO	Depth m	2472.6	Temp C 1.600
		Oxygen	3.010	Vial # 531

Submersible Videos: EX1708_VID_20170909T210500Z_CPHD.mov; EX1708_VID_20170909T210500Z_ROVHD.mov; EX1708_VID_20170909T211000Z_CPHD.mov; EX1708_VID_20170909T211000Z_ROVHD.mov; EX1708_VID_20170909T211500Z_CPHD.mov; EX1708_VID_20170909T211500Z_ROVHD.mov; EX1708_VID_20170909T211518Z_D2_DIVE03_SPEC02BIO_02.mov; EX1708_VID_20170909T211518Z_D2_DIVE03_SPEC02BIO_04.mov; EX1708_VID_20170909T211836Z_D2_DIVE03_SPEC02BIO_02.mov; EX1708_VID_20170909T211836Z_D2_DIVE03_SPEC02BIO_04.mov;

FrameGrab Images: EX1708_IMG_20170909T210835Z_ROVHD.jpg; EX1708_IMG_20170909T211038Z_ROVHD.jpg; EX1708_IMG_20170909T211133Z_CPHD.jpg; EX1708_IMG_20170909T211535Z_D2_DIVE03_SPEC02BIO_04.jpg; EX1708_IMG_20170909T211539Z_D2_DIVE03_SPEC02BIO_02.jpg; EX1708_IMG_20170909T211546Z_ROVHD.jpg; EX1708_IMG_20170909T211845Z_D2_DIVE03_SPEC02BIO_04.jpg; EX1708_IMG_20170909T211846Z_D2_DIVE03_SPEC02BIO_02.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Cruise ID	EX1708	Dive ID	DIVE03	
Dive Location	Beethoven Ridge			

Specimen ID	EX1708_20170909T211928_D2_DIVE03_SPEC02BIO_A01	Date and Time:	20170909	211928	
Field ID	Dead Hexactinellid stalk	Lat and Long:	26.220	-159.150	
Preparation	EtOH	Depth m	2472.6	Temp C	1.600
		Oxygen	3.010	Vial #	
Submersible Videos:					
FrameGrab Images:					
Lab Camera Images:	EX1708_IMG_20170909T211928Z_SMPSTL_D2_DIVE03_SPEC02BIO_A01_L01.CR2; EX1708_IMG_20170909T211928Z_SMPSTL_D2_DIVE03_SPEC02BIO_A01_L01.JPG;				
Microscope Images:					
Microscope Videos:					

Specimen ID	EX1708_20170909T211928_D2_DIVE03_SPEC02BIO_A02	Date and Time:	20170909	211928	
Field ID	Polychaeta	Lat and Long:	26.220	-159.150	
Preparation	EtOH	Depth m	2472.6	Temp C	1.600
		Oxygen	3.010	Vial #	
Submersible Videos:					
FrameGrab Images:					
Lab Camera Images:	EX1708_IMG_20170909T211928Z_SMPSTL_D2_DIVE03_SPEC02BIO_A02_L01.CR2; EX1708_IMG_20170909T211928Z_SMPSTL_D2_DIVE03_SPEC02BIO_A02_L01.JPG;				
Microscope Images:					
Microscope Videos:					

Specimen ID	EX1708_20170909T224219_D2_DIVE03_SPEC03BIO	Date and Time:	20170909	224219	
Field ID	Anthomastus sp. (2) on rock	Lat and Long:	26.220	-159.140	
Preparation	1 colony formalin 48 hours, rinse with H2O, store in EtOH	Depth m	2393.9	Temp C	1.670
		Oxygen	2.860	Vial #	
Submersible Videos:	EX1708_VID_20170909T223500Z_CPHD.mov; EX1708_VID_20170909T223500Z_ROVHD.mov; EX1708_VID_20170909T223831Z_D2_DIVE03_SPEC03BIO_04.mov; EX1708_VID_20170909T223836Z_D2_DIVE03_SPEC03BIO_02.mov; EX1708_VID_20170909T224000Z_CPHD.mov; EX1708_VID_20170909T224000Z_ROVHD.mov;				
FrameGrab Images:	EX1708_IMG_20170909T223537Z_ROVHD.jpg; EX1708_IMG_20170909T223858Z_D2_DIVE03_SPEC03BIO_02.jpg; EX1708_IMG_20170909T223910Z_ROVHD.jpg; EX1708_IMG_20170909T223942Z_ROVHD.jpg; EX1708_IMG_20170909T224054Z_ROVHD.jpg; EX1708_IMG_20170909T224123Z_D2_DIVE03_SPEC03BIO_04.jpg; EX1708_IMG_20170909T224221Z_CPHD.jpg; EX1708_IMG_20170909T224224Z_D2_DIVE03_SPEC03BIO_04.jpg;				
Lab Camera Images:					
Microscope Images:					
Microscope Videos:					

Cruise ID	EX1708	Dive ID	DIVE03
Dive Location	Beethoven Ridge		

Specimen ID	EX1708_20170909T224219_D2_DIVE03_SPEC03BIO	Date and Time:	20170909	224219	
Field ID	Anthomastus sp. (2) on rock	Lat and Long:	26.220	-159.140	
Preparation	1 colony formalin 48 hours, rinse with H2O, store in EtOH	Depth m	2393.9	Temp C	1.670
		Oxygen	2.860	Vial #	530

Submersible Videos: EX1708_VID_20170909T223500Z_CPHD.mov; EX1708_VID_20170909T223500Z_ROVHD.mov; EX1708_VID_20170909T223831Z_D2_DIVE03_SPEC03BIO_04.mov; EX1708_VID_20170909T223836Z_D2_DIVE03_SPEC03BIO_02.mov; EX1708_VID_20170909T224000Z_CPHD.mov; EX1708_VID_20170909T224000Z_ROVHD.mov;

FrameGrab Images: EX1708_IMG_20170909T223537Z_ROVHD.jpg; EX1708_IMG_20170909T223858Z_D2_DIVE03_SPEC03BIO_02.jpg; EX1708_IMG_20170909T223910Z_ROVHD.jpg; EX1708_IMG_20170909T223942Z_ROVHD.jpg; EX1708_IMG_20170909T224054Z_ROVHD.jpg; EX1708_IMG_20170909T224123Z_D2_DIVE03_SPEC03BIO_04.jpg; EX1708_IMG_20170909T224221Z_CPHD.jpg; EX1708_IMG_20170909T224224Z_D2_DIVE03_SPEC03BIO_04.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Specimen ID	EX1708_20170909T224219_D2_DIVE03_SPEC03BIO_A01	Date and Time:	20170909	224219	
Field ID	ROCK	Lat and Long:	26.220	-159.140	
Preparation		Depth m	2393.9	Temp C	1.670
		Oxygen	2.860	Vial #	

Submersible Videos:

FrameGrab Images:

Lab Camera Images: EX1708_IMG_20170909T224219Z_SMPSTL_D2_DIVE03_SPEC03BIO_A01_L01.CR2; EX1708_IMG_20170909T224219Z_SMPSTL_D2_DIVE03_SPEC03BIO_A01_L01.JPG; EX1708_IMG_20170909T224219Z_SMPSTL_D2_DIVE03_SPEC03BIO_A01_L02.CR2; EX1708_IMG_20170909T224219Z_SMPSTL_D2_DIVE03_SPEC03BIO_A01_L02.JPG;

Microscope Images:

Microscope Videos:

Cruise ID	EX1708	Dive ID	DIVE03
Dive Location	Beethoven Ridge		

Specimen ID	EX1708_20170910T001113_D2_DIVE03_SPEC04BIO	Date and Time:	20170910	001113	
Field ID	Chrysogorgia sp.?	Lat and Long:	26.220	-159.140	
Preparation	EtOH	Depth m	2321.8	Temp C	1.720
		Oxygen	2.710	Vial #	693

Submersible Videos: EX1708_VID_20170909T235500Z_CPHD.mov; EX1708_VID_20170909T235500Z_ROVHD.mov; EX1708_VID_20170910T000000Z_CPHD.mov; EX1708_VID_20170910T000000Z_ROVHD.mov; EX1708_VID_20170910T000257Z_D2_DIVE03_SPEC04BIO_04.mov; EX1708_VID_20170910T000406Z_D2_DIVE03_SPEC04BIO_02.mov; EX1708_VID_20170910T000500Z_CPHD.mov; EX1708_VID_20170910T000500Z_ROVHD.mov; EX1708_VID_20170910T000720Z_D2_DIVE03_SPEC04BIO_04.mov; EX1708_VID_20170910T000722Z_D2_DIVE03_SPEC04BIO_02.mov; EX1708_VID_20170910T001000Z_CPHD.mov; EX1708_VID_20170910T001000Z_ROVHD.mov;

FrameGrab Images: EX1708_IMG_20170909T235917Z_ROVHD.jpg; EX1708_IMG_20170910T000023Z_ROVHD.jpg; EX1708_IMG_20170910T000047Z_ROVHD.jpg; EX1708_IMG_20170910T000208Z_CPHD.jpg; EX1708_IMG_20170910T000421Z_ROVHD.jpg; EX1708_IMG_20170910T000452Z_D2_DIVE03_SPEC04BIO_04.jpg; EX1708_IMG_20170910T000500Z_D2_DIVE03_SPEC04BIO_02.jpg; EX1708_IMG_20170910T000530Z_ROVHD.jpg; EX1708_IMG_20170910T000534Z_CPHD.jpg; EX1708_IMG_20170910T000619Z_ROVHD.jpg; EX1708_IMG_20170910T000746Z_D2_DIVE03_SPEC04BIO_02.jpg; EX1708_IMG_20170910T000807Z_D2_DIVE03_SPEC04BIO_04.jpg; EX1708_IMG_20170910T000830Z_ROVHD.jpg; EX1708_IMG_20170910T001121Z_CPHD.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Cruise ID	EX1708	Dive ID	DIVE03
Dive Location	Beethoven Ridge		

Specimen ID	EX1708_20170910T010121_D2_DIVE03_SPEC05BIO	Date and Time:	20170910	010121	
Field ID	Hexactinellida (vase?)	Lat and Long:	26.220	-159.140	
Preparation	EtOH	Depth m	2308.7	Temp C	1.700
		Oxygen	2.780	Vial #	532

Submersible Videos: EX1708_VID_20170910T004500Z_CPHD.mov; EX1708_VID_20170910T004500Z_ROVHD.mov; EX1708_VID_20170910T005000Z_CPHD.mov; EX1708_VID_20170910T005000Z_ROVHD.mov; EX1708_VID_20170910T005500Z_CPHD.mov; EX1708_VID_20170910T005500Z_ROVHD.mov; EX1708_VID_20170910T005548Z_D2_DIVE03_SPEC05BIO_02.mov; EX1708_VID_20170910T005831Z_D2_DIVE03_SPEC05BIO_04.mov; EX1708_VID_20170910T010000Z_CPHD.mov; EX1708_VID_20170910T010000Z_ROVHD.mov; EX1708_VID_20170910T010111Z_D2_DIVE03_SPEC05BIO_03.mov; EX1708_VID_20170910T010256Z_D2_DIVE03_SPEC05BIO_02.mov;

FrameGrab Images: EX1708_IMG_20170910T004634Z_CPHD.jpg; EX1708_IMG_20170910T004708Z_ROVHD.jpg; EX1708_IMG_20170910T004719Z_ROVHD.jpg; EX1708_IMG_20170910T004836Z_ROVHD.jpg; EX1708_IMG_20170910T004913Z_ROVHD.jpg; EX1708_IMG_20170910T005019Z_ROVHD.jpg; EX1708_IMG_20170910T005039Z_ROVHD.jpg; EX1708_IMG_20170910T005051Z_CPHD.jpg; EX1708_IMG_20170910T005553Z_D2_DIVE03_SPEC05BIO_02.jpg; EX1708_IMG_20170910T005611Z_ROVHD.jpg; EX1708_IMG_20170910T005741Z_CPHD.jpg; EX1708_IMG_20170910T005824Z_ROVHD.jpg; EX1708_IMG_20170910T005949Z_D2_DIVE03_SPEC05BIO_04.jpg; EX1708_IMG_20170910T010110Z_CPHD.jpg; EX1708_IMG_20170910T010120Z_D2_DIVE03_SPEC05BIO_03.jpg; EX1708_IMG_20170910T010139Z_ROVHD.jpg; EX1708_IMG_20170910T010208Z_D2_DIVE03_SPEC05BIO_03.jpg; EX1708_IMG_20170910T010345Z_D2_DIVE03_SPEC05BIO_02.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Specimen ID	EX1708_20170910T011052_D2_DIVE03_SPEC06GEO	Date and Time:	20170910	011052	
Field ID	ROCK	Lat and Long:	26.220	-159.140	
Preparation	Dry	Depth m	2303.8	Temp C	1.690
		Oxygen	2.780	Vial #	

Submersible Videos: EX1708_VID_20170910T010500Z_CPHD.mov; EX1708_VID_20170910T010500Z_ROVHD.mov; EX1708_VID_20170910T010920Z_D2_DIVE03_SPEC06GEO_04.mov; EX1708_VID_20170910T011000Z_CPHD.mov; EX1708_VID_20170910T011000Z_ROVHD.mov; EX1708_VID_20170910T011009Z_D2_DIVE03_SPEC06GEO_03.mov;

FrameGrab Images: EX1708_IMG_20170910T010651Z_ROVHD.jpg; EX1708_IMG_20170910T010902Z_ROVHD.jpg; EX1708_IMG_20170910T011008Z_ROVHD.jpg; EX1708_IMG_20170910T011029Z_D2_DIVE03_SPEC06GEO_04.jpg; EX1708_IMG_20170910T011029Z_ROVHD.jpg; EX1708_IMG_20170910T011138Z_CPHD.jpg;

Lab Camera Images:

Microscope Images:

Microscope Videos:

Cruise ID	EX1708	Dive ID	DIVE03
Dive Location	Beethoven Ridge		

Specimen ID	EX1708_20170910T011052_D2_DIVE03_SPEC06GEO_A01	Date and Time:	20170910	011052	
Field ID	Hexactinellida sp	Lat and Long:	26.220	-159.140	
Preparation	EtOH	Depth m	2303.8	Temp C	1.690
		Oxygen	2.780	Vial #	

Submersible Videos:	
FrameGrab Images:	
Lab Camera Images:	EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A01_L01.CR2; EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A01_L01.JPG;
Microscope Images:	
Microscope Videos:	

Specimen ID	EX1708_20170910T011052_D2_DIVE03_SPEC06GEO_A01	Date and Time:	20170910	011052	
Field ID	Hexactinellida sp	Lat and Long:	26.220	-159.140	
Preparation	EtOH	Depth m	2303.8	Temp C	1.690
		Oxygen	2.780	Vial #	534

Submersible Videos:	
FrameGrab Images:	
Lab Camera Images:	EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A01_L01.CR2; EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A01_L01.JPG;
Microscope Images:	
Microscope Videos:	

Specimen ID	EX1708_20170910T011052_D2_DIVE03_SPEC06GEO_A02	Date and Time:	20170910	011052	
Field ID	Anthomastus sp.	Lat and Long:	26.220	-159.140	
Preparation	Formalin 48 hours, rinse with H2O, store in EtOH	Depth m	2303.8	Temp C	1.690
		Oxygen	2.780	Vial #	

Submersible Videos:	
FrameGrab Images:	
Lab Camera Images:	EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A02_L01.CR2; EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A02_L01.JPG;
Microscope Images:	
Microscope Videos:	

Cruise ID	EX1708	Dive ID	DIVE03
Dive Location	Beethoven Ridge		

Specimen ID	EX1708_20170910T011052_D2_DIVE03_SPEC06GEO_A02	Date and Time:	20170910	011052	
Field ID	Anthomastus sp.	Lat and Long:	26.220	-159.140	
Preparation	Formalin 48 hours, rinse with H2O, store in EtOH	Depth m	2303.8	Temp C	1.690
		Oxygen	2.780	Vial #	533

Submersible Videos:	
FrameGrab Images:	
Lab Camera Images:	EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A02_L01.CR2; EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A02_L01.JPG;
Microscope Images:	
Microscope Videos:	

Specimen ID	EX1708_20170910T011052_D2_DIVE03_SPEC06GEO_A03	Date and Time:	20170910	011052	
Field ID	Ophiuroidea	Lat and Long:	26.220	-159.140	
Preparation	EtOH	Depth m	2303.8	Temp C	1.690
		Oxygen	2.780	Vial #	

Submersible Videos:	
FrameGrab Images:	
Lab Camera Images:	EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A03_L01.CR2; EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A03_L01.JPG;
Microscope Images:	
Microscope Videos:	

Specimen ID	EX1708_20170910T011052_D2_DIVE03_SPEC06GEO_A04	Date and Time:	20170910	011052	
Field ID	Hexactinellida	Lat and Long:	26.220	-159.140	
Preparation	EtOH	Depth m	2303.8	Temp C	1.690
		Oxygen	2.780	Vial #	535

Submersible Videos:	
FrameGrab Images:	
Lab Camera Images:	EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A04_L01.CR2; EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A04_L01.JPG; EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A04_L02.CR2; EX1708_IMG_20170910T011052Z_SMPSTL_D2_DIVE03_SPEC06GEO_A04_L02.JPG;
Microscope Images:	
Microscope Videos:	