

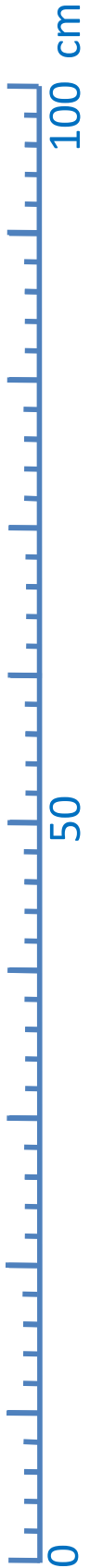
PS97 / 009 - 2 PC

0 – 904 cm

TOP



BOTTOM



PS97 / 010 - 1 PC 0 - 691cm

TOP



20-120 cm



120-219 cm



219-291 cm



291-391 cm



391-491 cm



491-591 cm



591-691 cm

BOTTOM



PS97 / 011 - 1 PC **0 – 653 cm**

TOP



0-57 cm



57-157 cm



157-253 cm



253-353 cm



353-453 cm



453-553 cm



553-653 cm

BOTTOM



PS97 / 015 - 1 GC 0 – 85 cm

TOP



0-85 cm

BOTTOM



PS97 / 022 - 2

0 - 276 cm

TOP



0-76 cm



76-176 cm

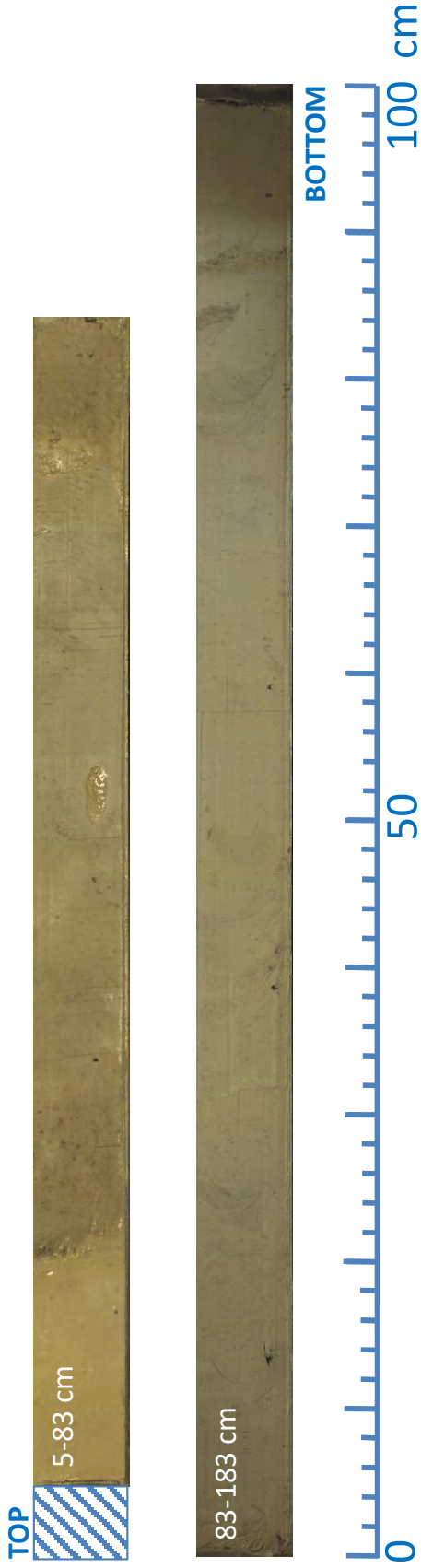


176-276 cm

BOTTOM



PS97 / 023 - 1 GC 5 – 183 cm



PS97 / 024 - 1 GC
0 – 160 cm

TOP



0-60 cm



60-160 cm

BOTTOM



PS97 / 025 - 1 PC 0 – 543 cm

TOP



0-48 cm



48-143 cm



143-243 cm



243-343 cm

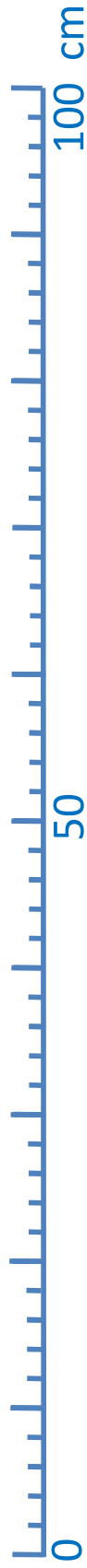


343-443 cm



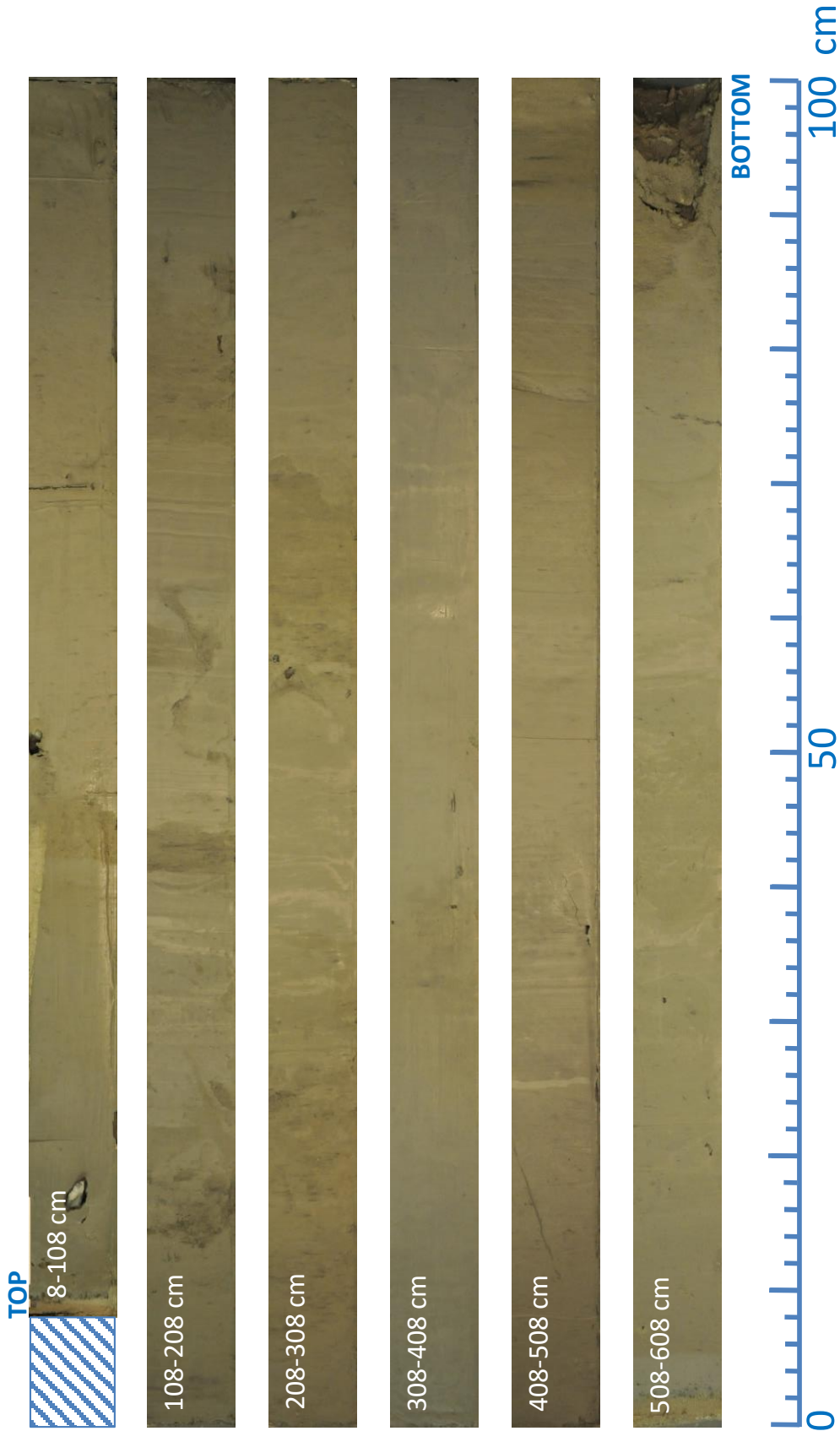
443-543 cm

BOTTOM

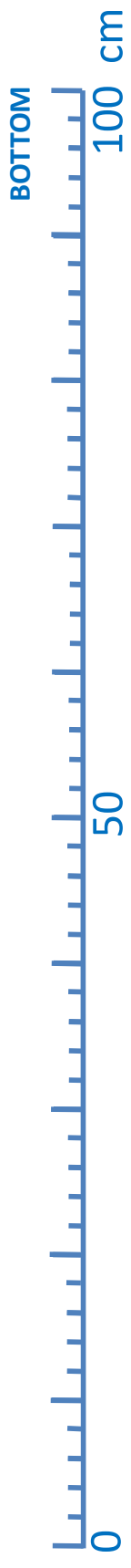


PS97 / 026 - 1 PC

0 - 608 cm



PS97 / 027 - 2 0 – 201 cm

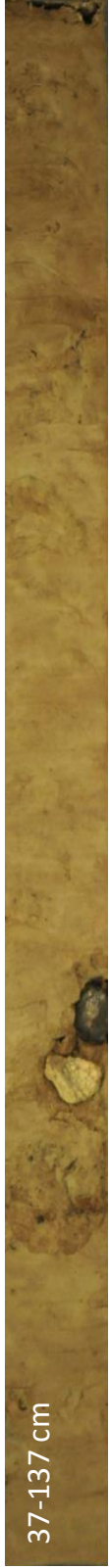


PS97 / 046 - 3 0 – 137 cm

TOP



0-37 cm



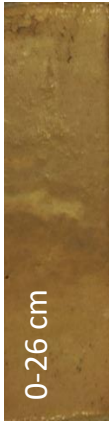
37-137 cm

BOTTOM



PS97 / 046 - 4
0 – 226 cm

TOP



0-26 cm

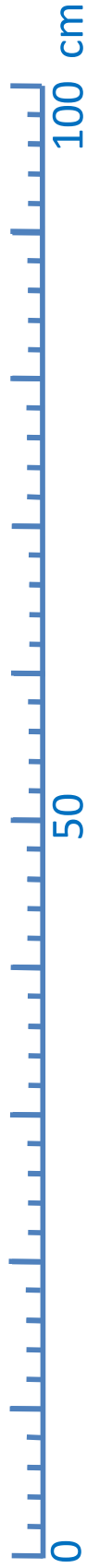


26-126 cm



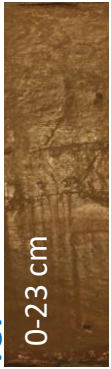
126-226 cm

BOTTOM



PS97 / 048 - 2 PC **0 - 822cm**

TOP



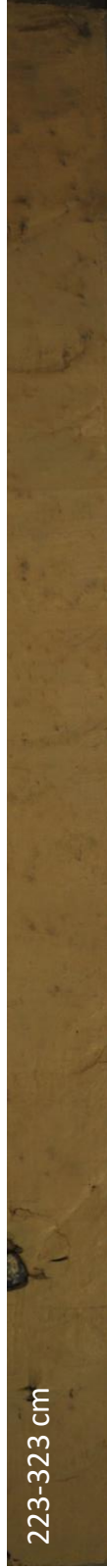
0-23 cm



23-123 cm



123-223 cm



223-323 cm



323-422 cm



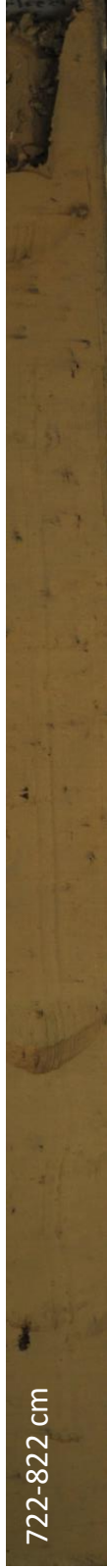
422-522 cm



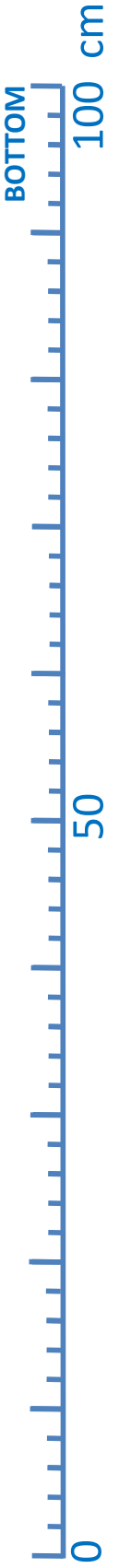
522-622 cm



622-722 cm



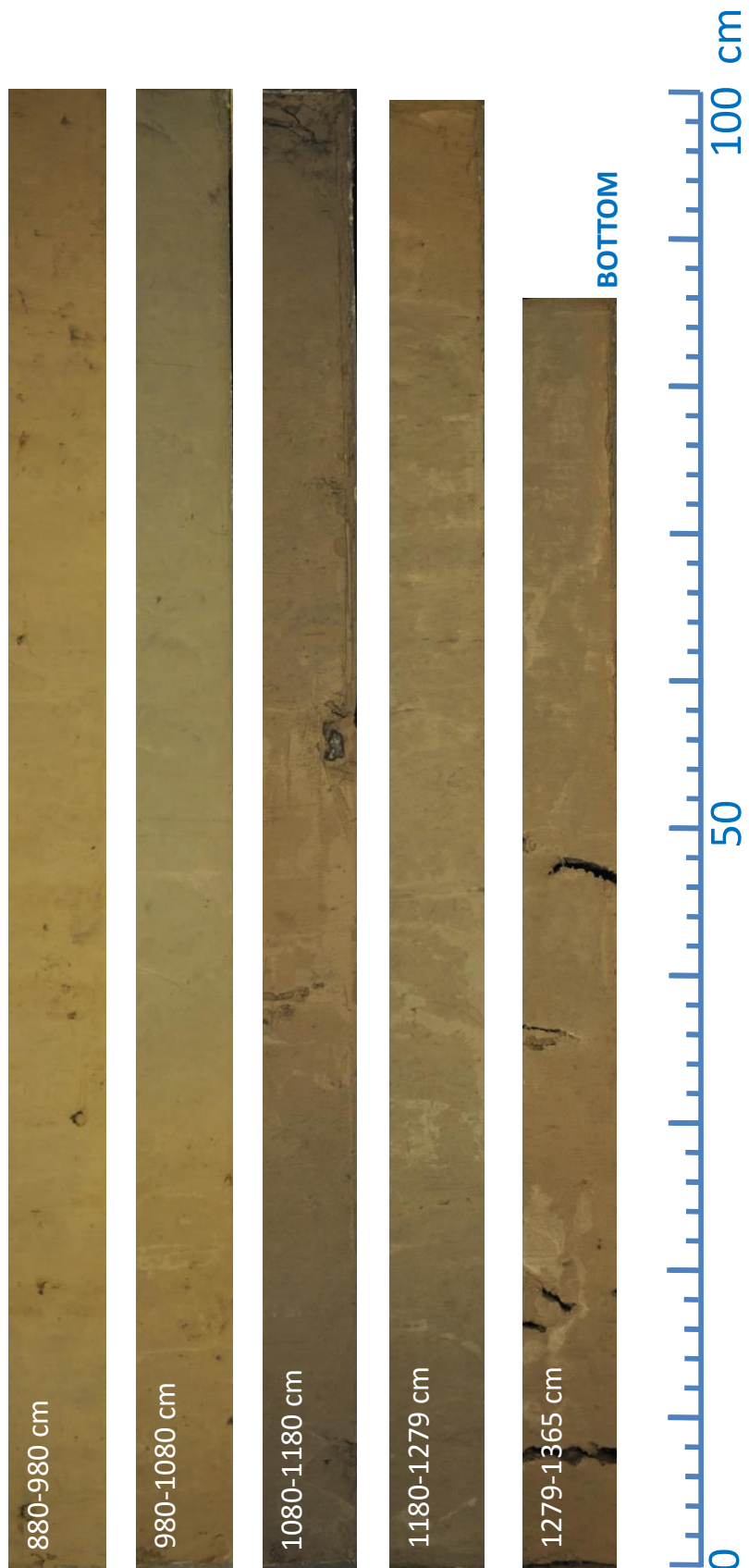
722-822 cm



PS97 / 049 - 1 PC **0 - 880cm**

TOP



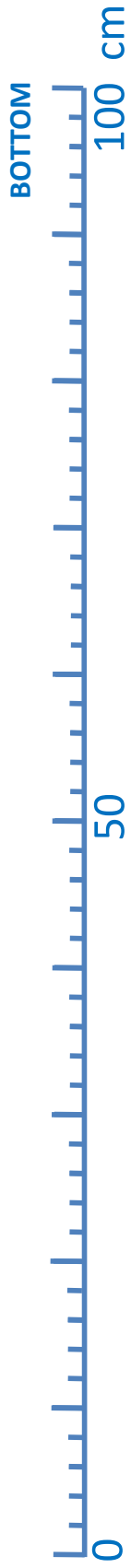


PS97 / 052 - 4 GC

0 – 314 cm



PS97 / 053 - 2 GC
0 – 200 cm



PS97 / 77 - 2 **0 – 1302 cm**

TOP



0-100 cm



100-200 cm



200-300 cm



300-400 cm



431-500 cm



500-602 cm



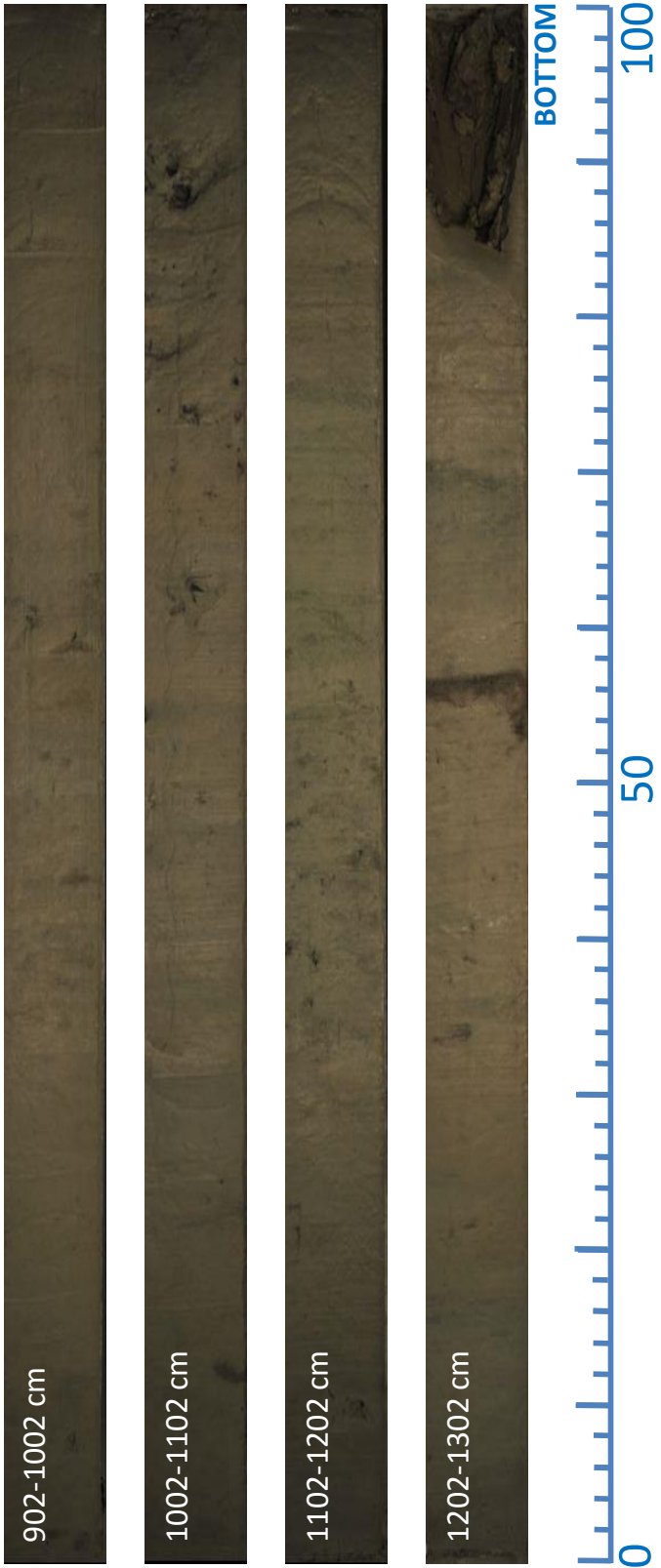
602-702 cm



702-802 cm



802-902 cm



PS97 / 078 - 1 0 – 223 cm

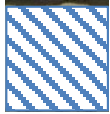
TOP



0-23 cm



23-123 cm



123-223 cm

BOTTOM



PS97 / 079-2 **0 – 828 cm**

TOP

0-39 cm



39-139 cm



139-240 cm



240-341 cm



341-428 cm



428-528 cm



528-628 cm



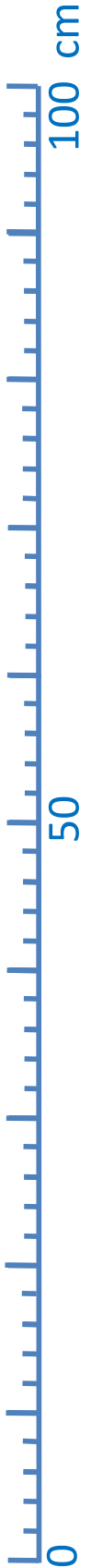
628-728 cm



728-828 cm



BOTTOM



PS97 / 080-1
0 – 124 cm



BOTTOM



PS97 / 083 - 2 PC **0 – 608 cm**

TOP



0-65 cm



65-110 cm



110-208 cm



208-308 cm



308-408 cm



408-508 cm



508-608 cm

BOTTOM



PS97 / 084-1 **0 – 1094 cm**

TOP



0-100 cm



100-200 cm



200-300 cm



300-400 cm



400-500 cm



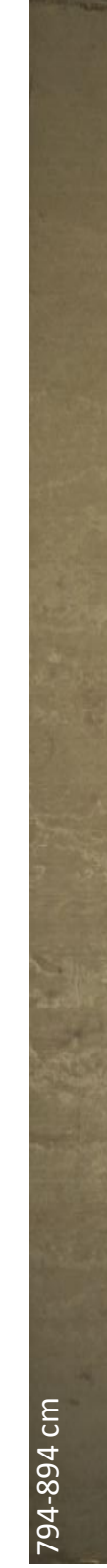
500-600 cm



600-700 cm



700-794 cm



794-894 cm



BOTTOM



PS97 / 85 - 3 0 – 743 cm

TOP



0-44 cm



44-144 cm



144-244 cm



244-344 cm



344-445 cm



445-543 cm



543-643 cm



643-743 cm

BOTTOM



PS97 / 088 - 1 PC 0 – 1218 cm

TOP



0-15 cm



15-115 cm



115-215 cm



215-316 cm



316-416 cm



416-516 cm



516-617 cm



617-717 cm



717-817 cm



PS97 / 089 - 1 0 – 1002 cm

TOP



0-100 cm



100-201 cm



201-301 cm



301-401 cm



401-501 cm



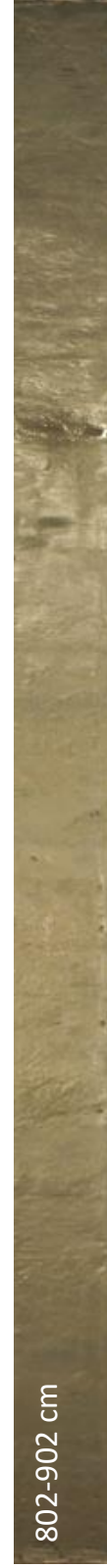
501-601 cm



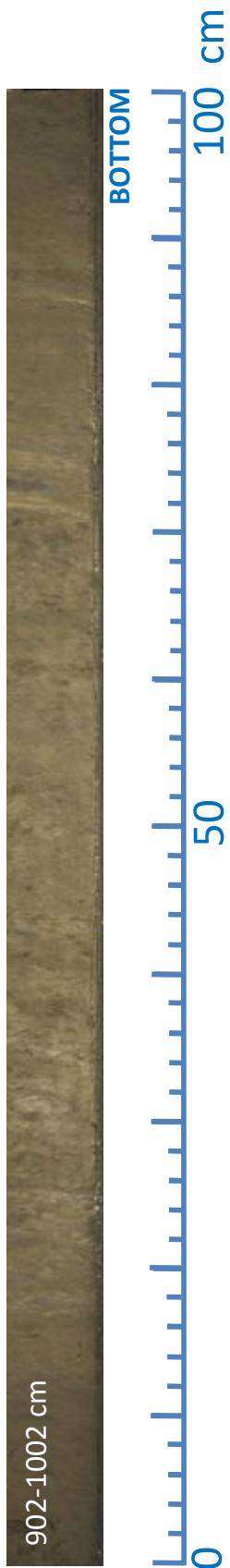
601-701 cm



701-802 cm



802-902 cm



PS97 / 090 - 1

0 – 970 cm

TOP



0-26 cm



26-126 cm



126-225 cm



225-325 cm



325-425 cm



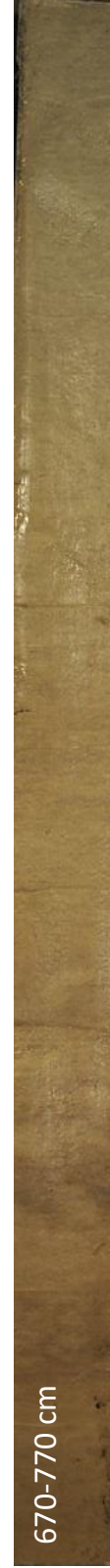
425-525 cm



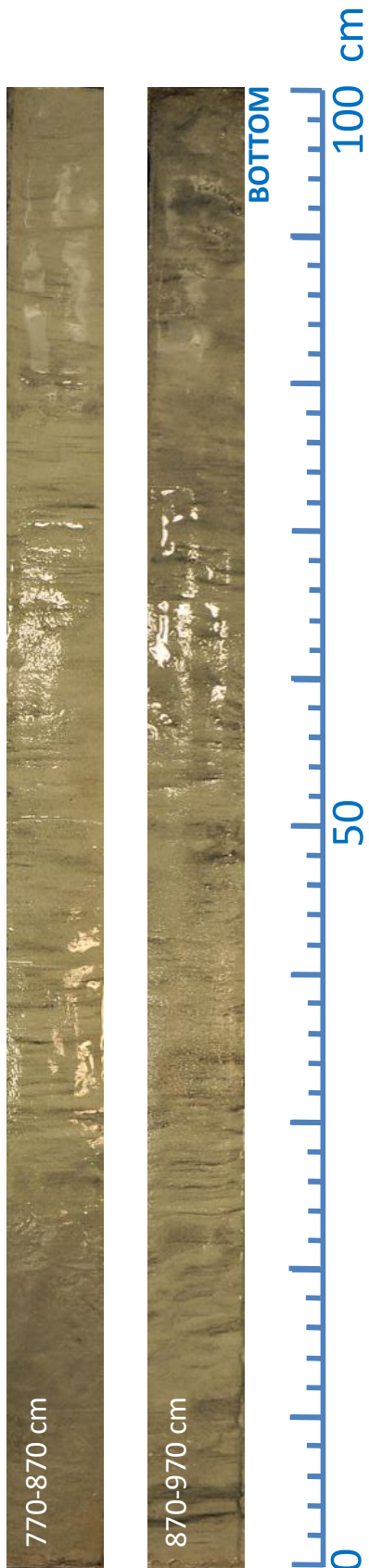
525-625 cm



625-670 cm



670-770 cm

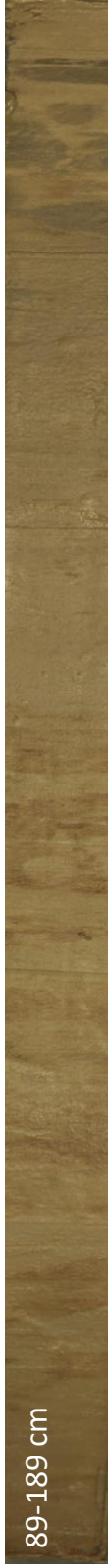


PS97 / 092 - 1 PC 0 - 789 cm

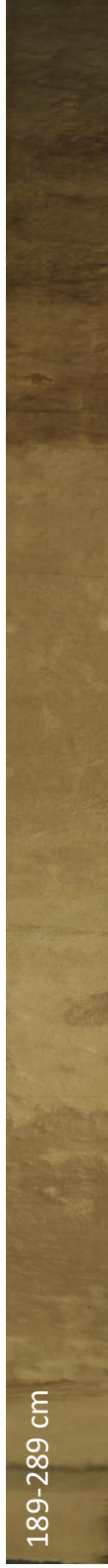
TOP



0 - 89 cm



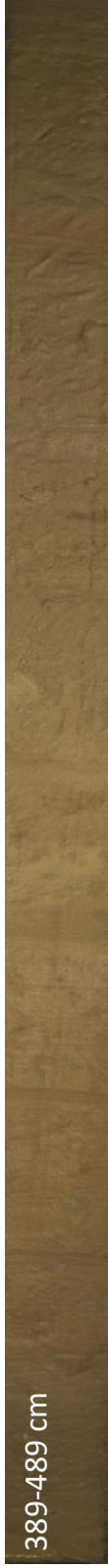
89-189 cm



189-289 cm



289-389 cm



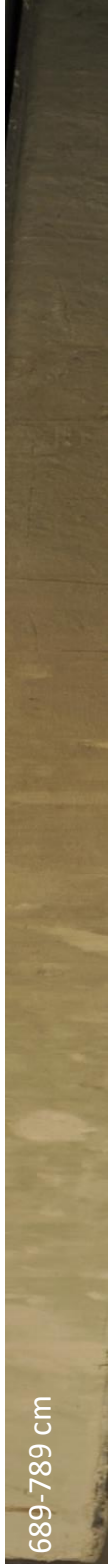
389-489 cm



489-589 cm



589-689 cm

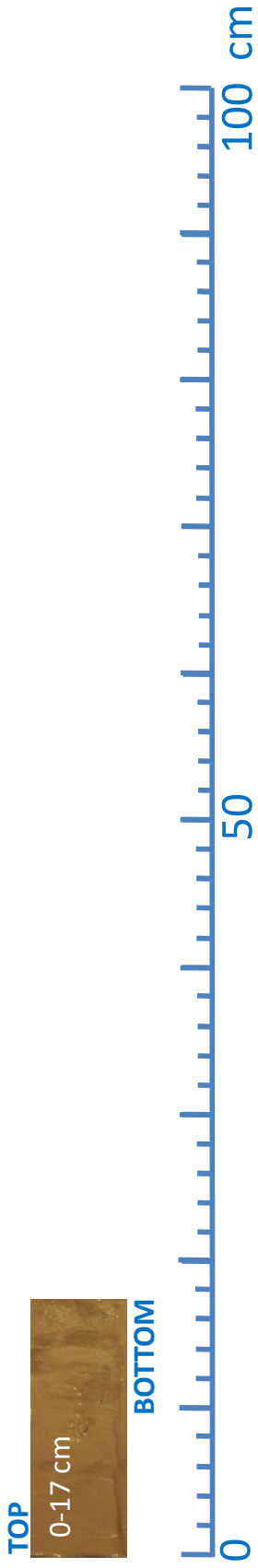


689-789 cm

BOTTOM



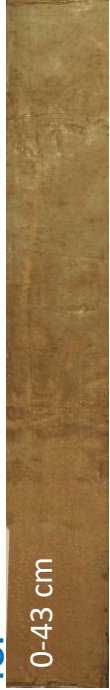
PS97 / 093 - 1 0 - 17 cm



PS97 / 093 - 2 PC

0 – 1645 cm

TOP



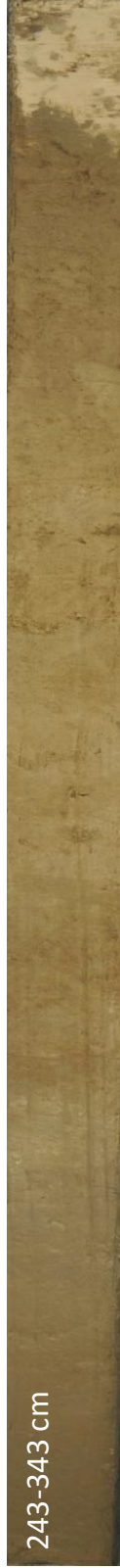
0-43 cm



43-143 cm



143-243 cm



243-343 cm



343-443 cm



443-543 cm



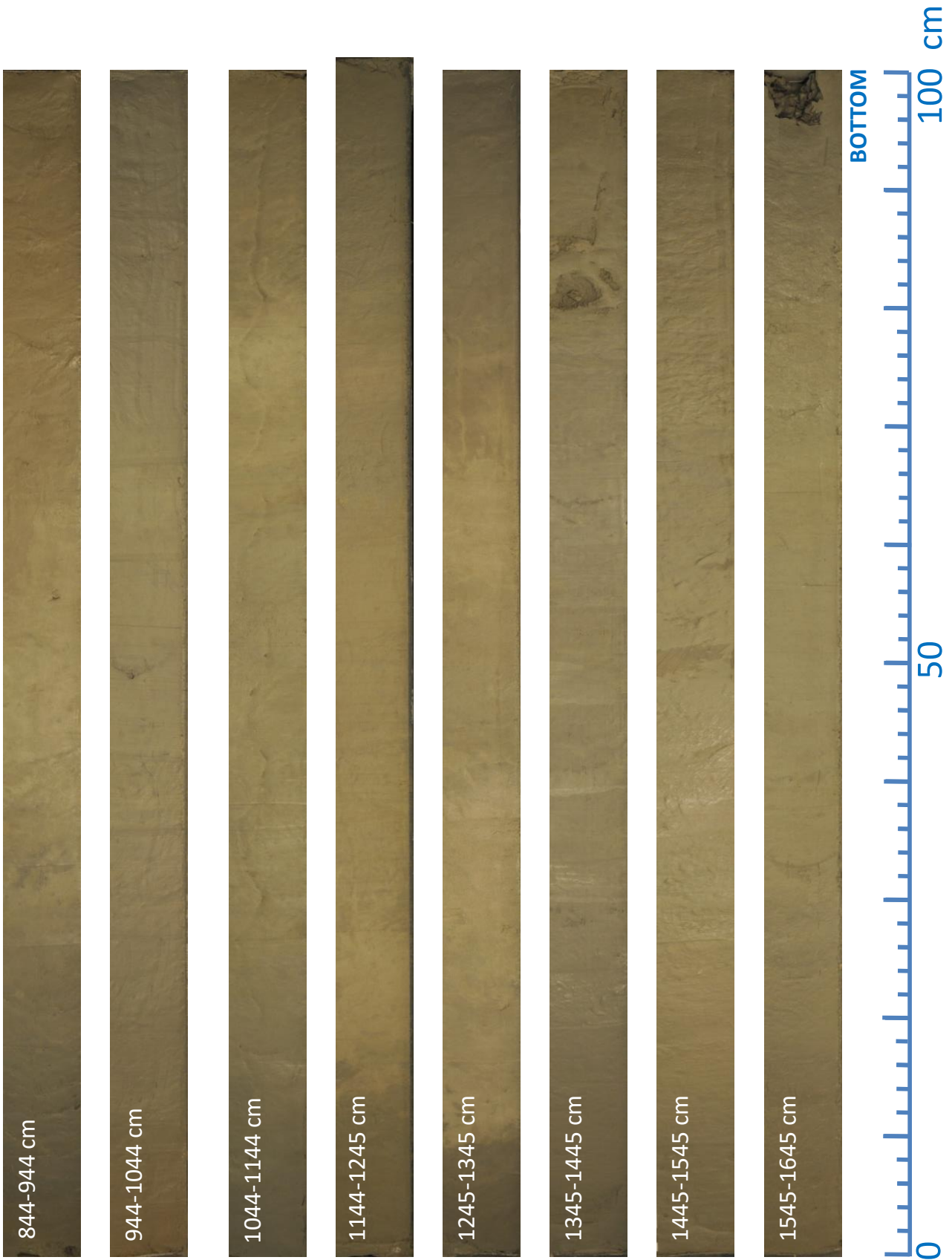
543-643 cm



643-744 cm

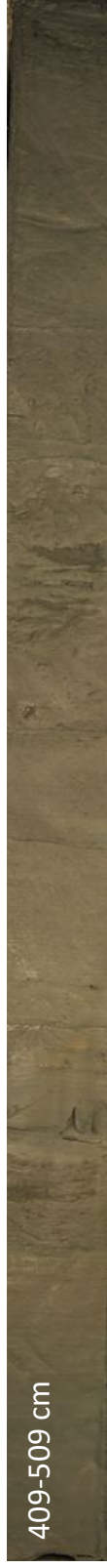


744-844 cm

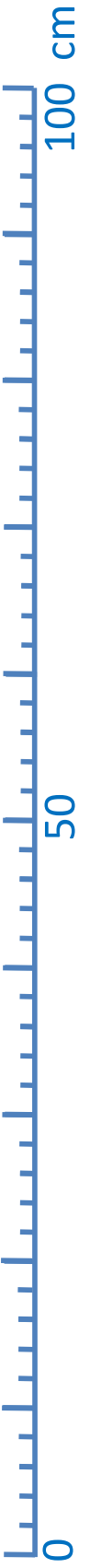


PS97 / 94 - 2 **0 – 909 cm**

TOP



BOTTOM



PS97 / 95 - 2 **0 – 804 cm**

TOP



0-100 cm



100-200 cm



200-301 cm



301-401 cm



401-502 cm



502-603 cm



603-704 cm



704-804 cm

BOTTOM



PS97 / 97 - 2 0 – 480 cm

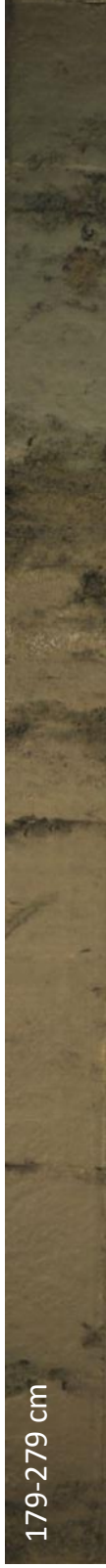
TOP



0-79 cm



79-179 cm



179-279 cm

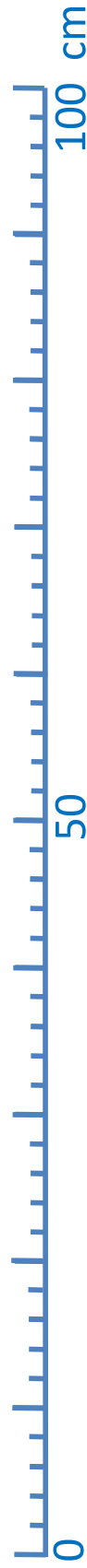


279-380 cm



380-480 cm

BOTTOM



PS97 / 109 - 1
0 – 300 cm

TOP



0-100 cm

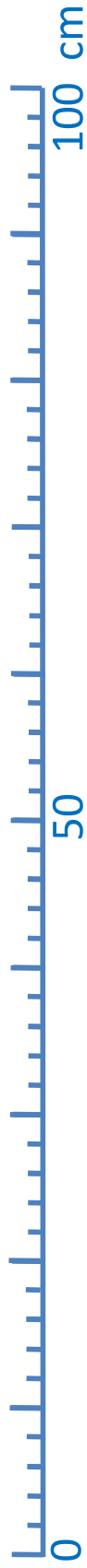


100-200 cm



200-300 cm

BOTTOM



PS97 / 112 - 1 0 – 1458 cm

TOP



0-58 cm



58-158 cm



158-258 cm



258-358 cm



358-458 cm



458-558 cm



558-658 cm



658-758 cm



758-858 cm



PS97 / 114 - 2 **0 – 2237 cm**

TOP



0-42 cm



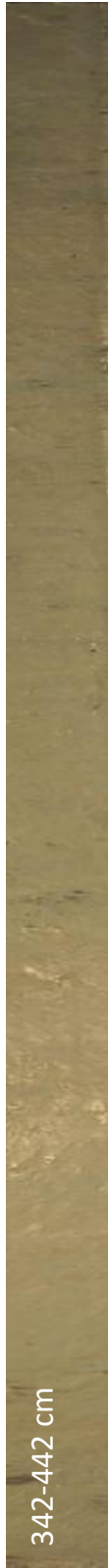
42-142 cm



142-242 cm



242-342 cm



342-442 cm



442-542 cm



542-642 cm



642-742 cm



742-842 cm

Appendix A.5 Core Photos





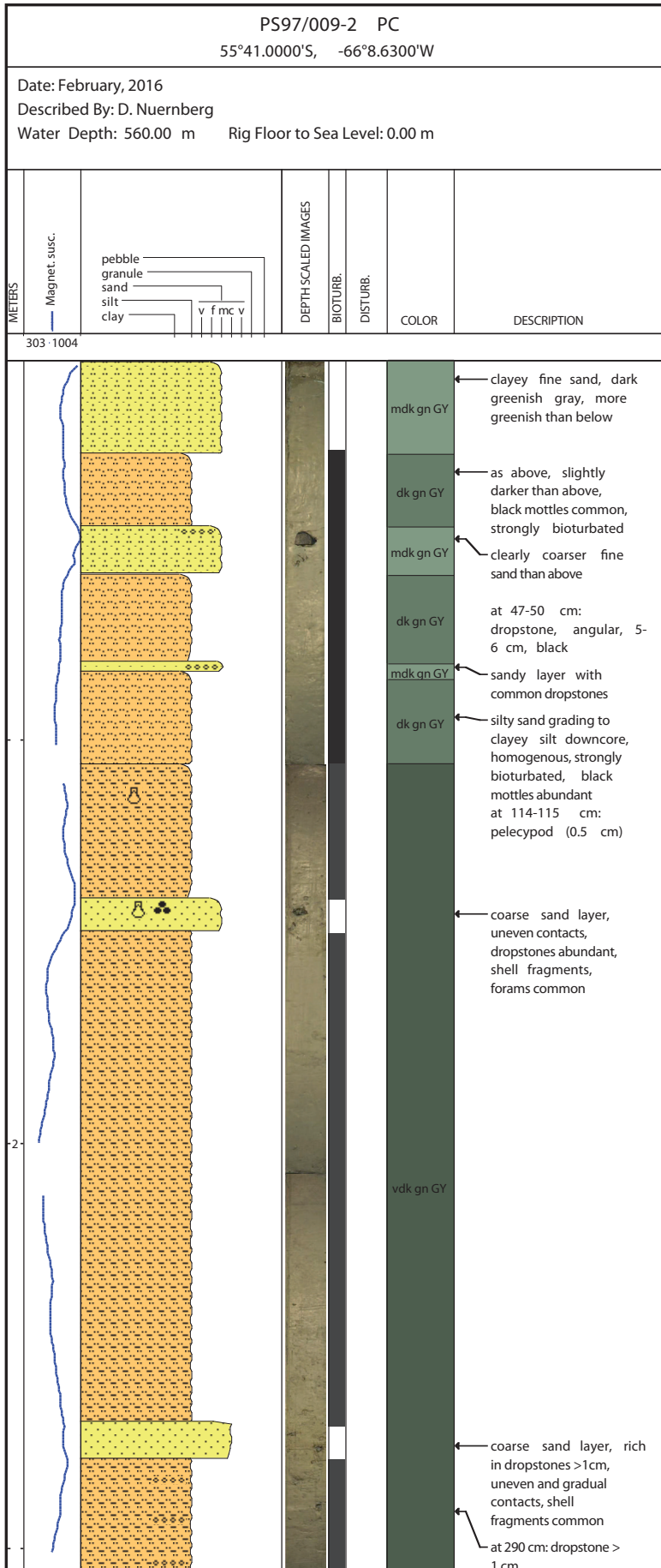
PS97 / 114 - 2 TC 0 - 82 cm



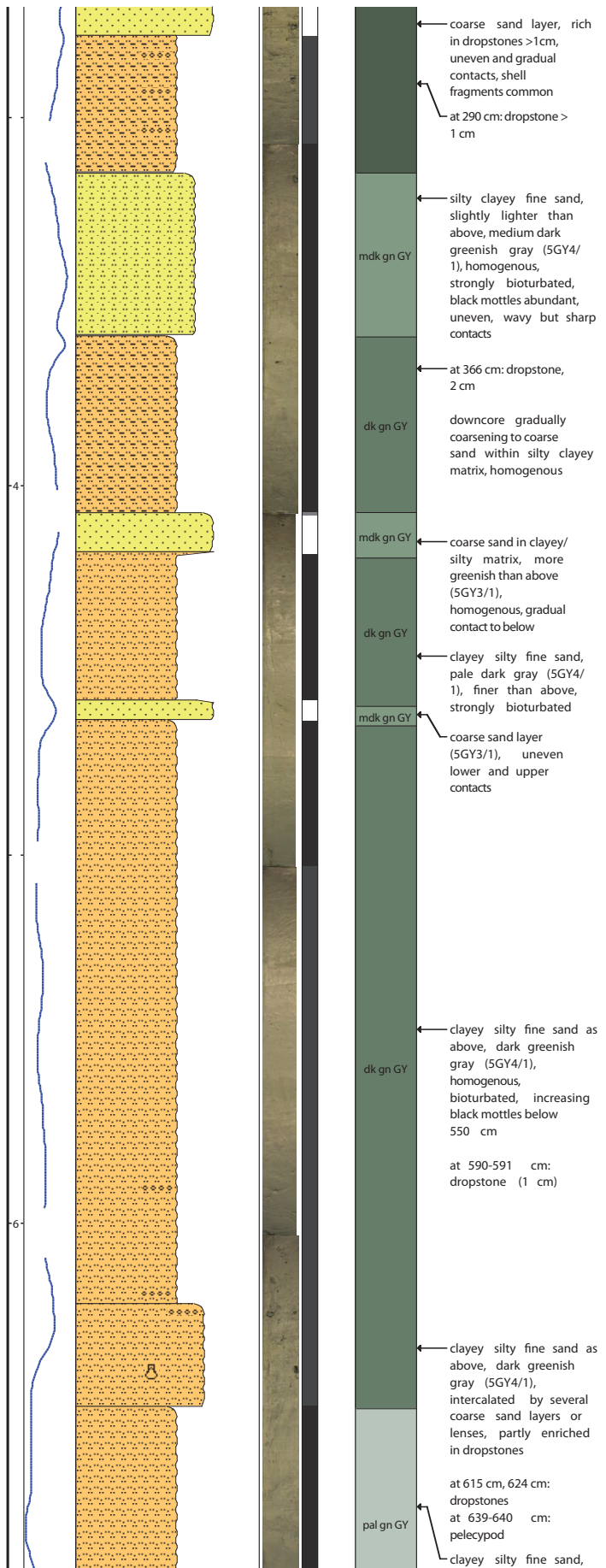
PS97 / 114 - 2 TC 0 - 82 cm



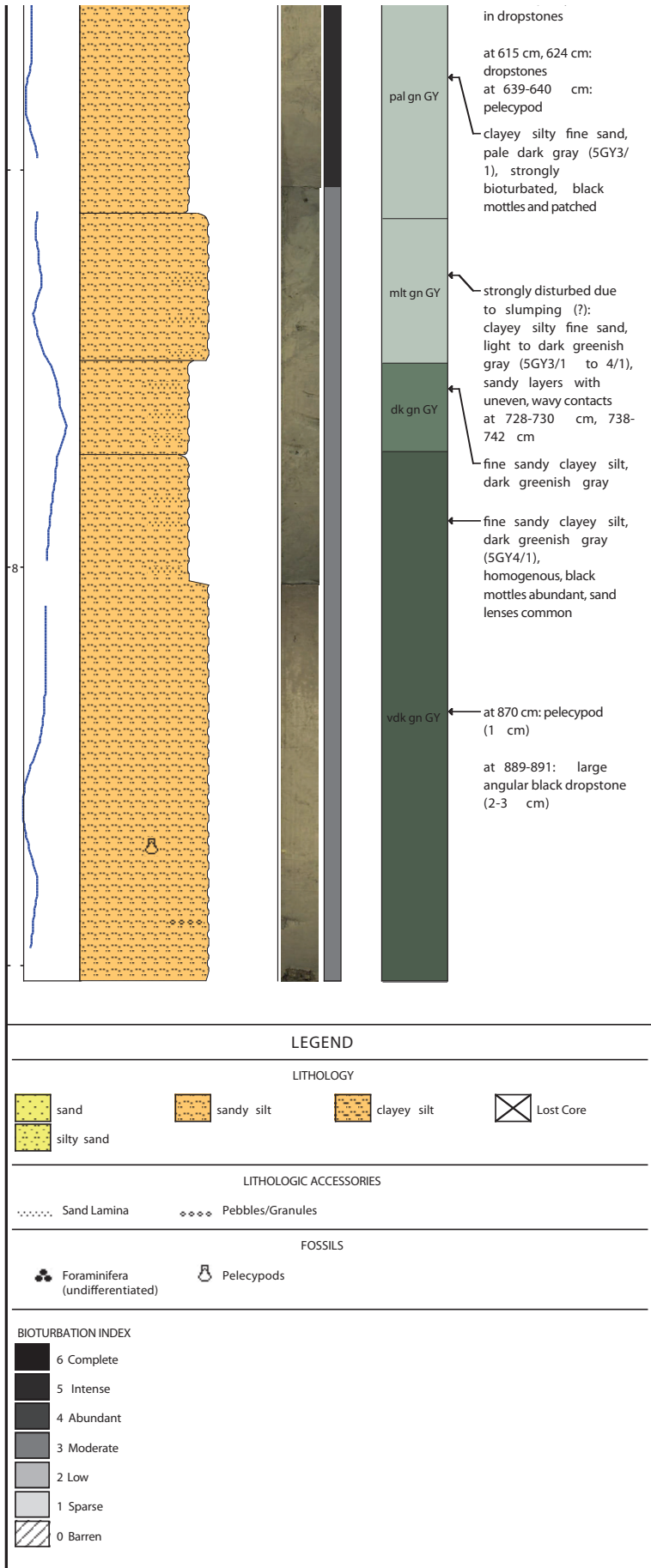
Appendix A.6 Core Descriptions



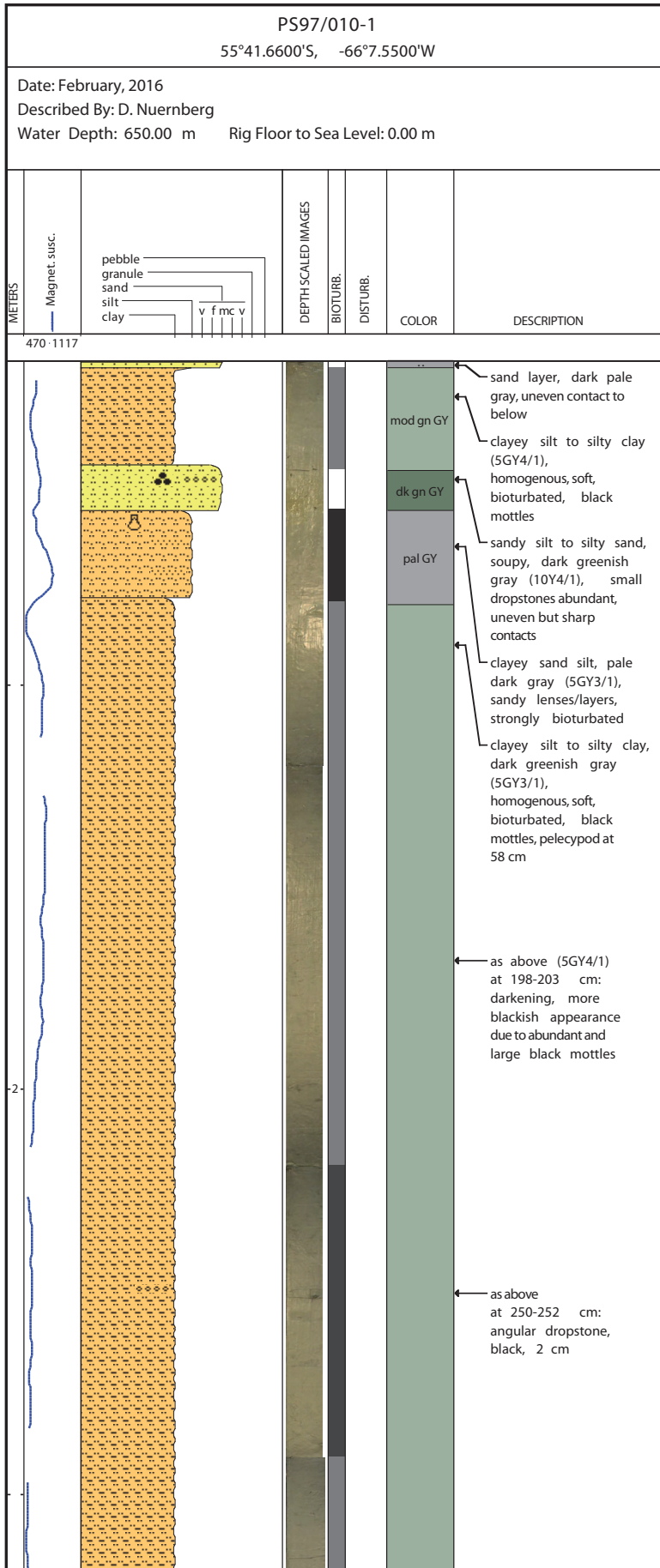
Appendix A.6 Core Descriptions



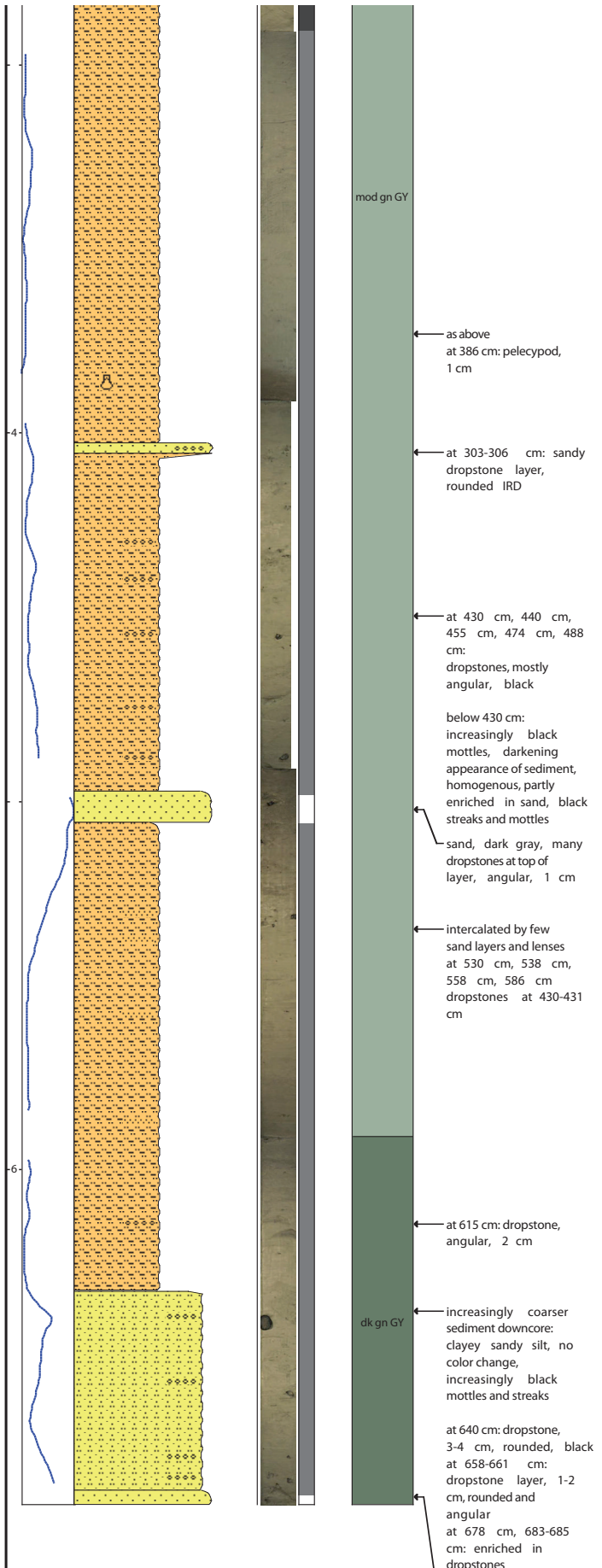
Appendix A.6 Core Descriptions



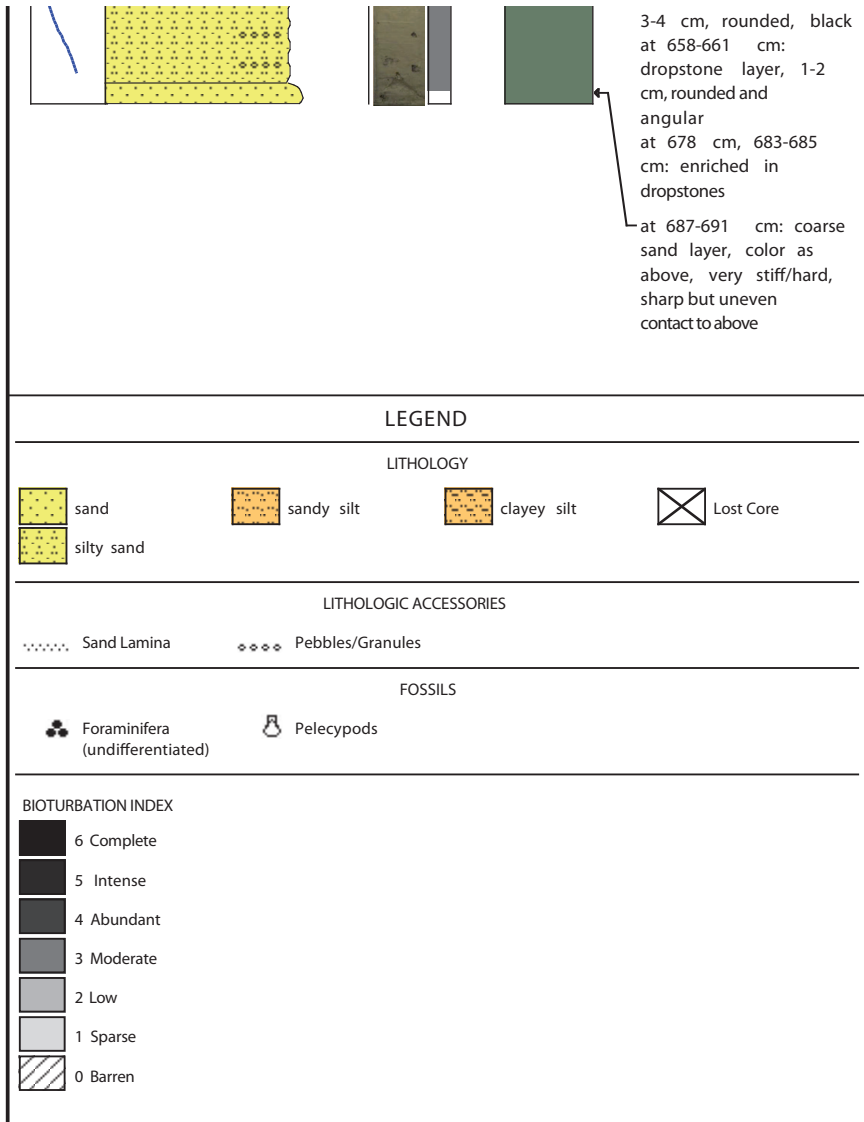
Appendix A.6 Core Descriptions



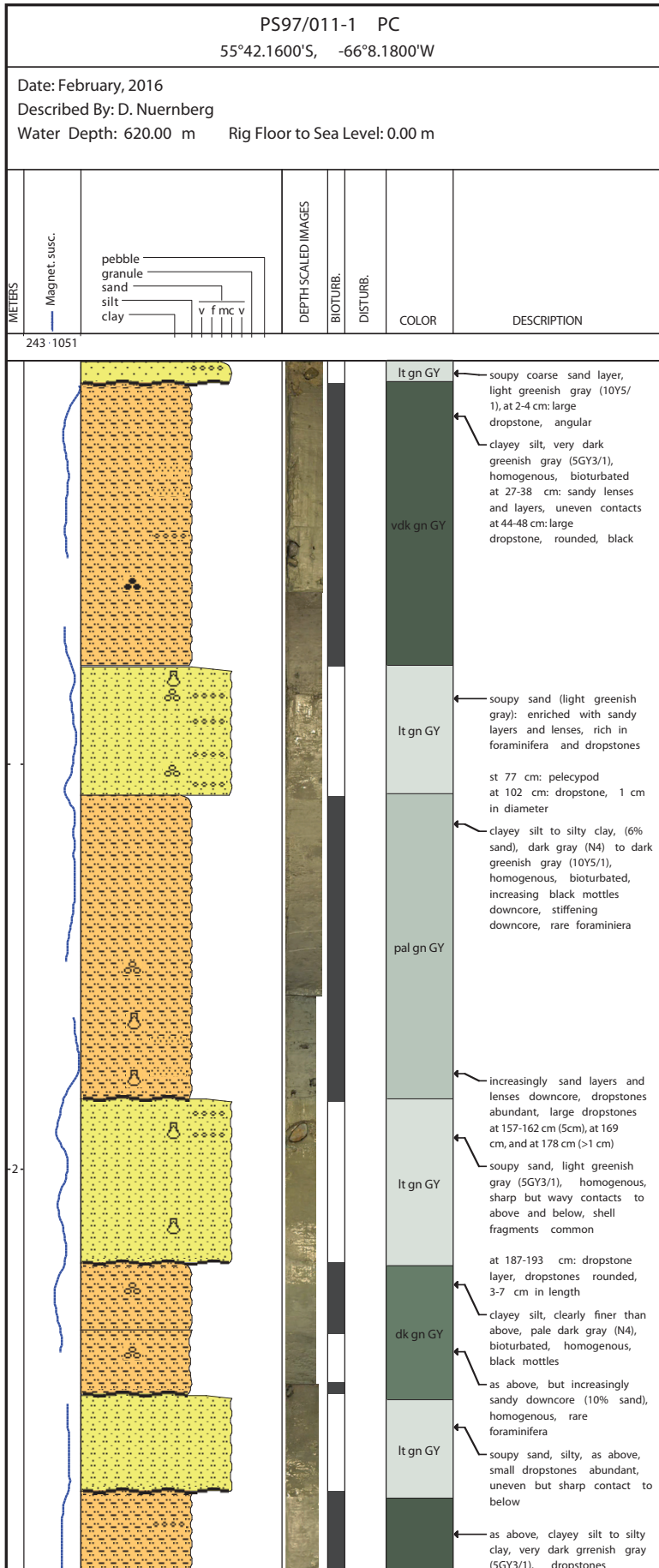
Appendix A.6 Core Descriptions



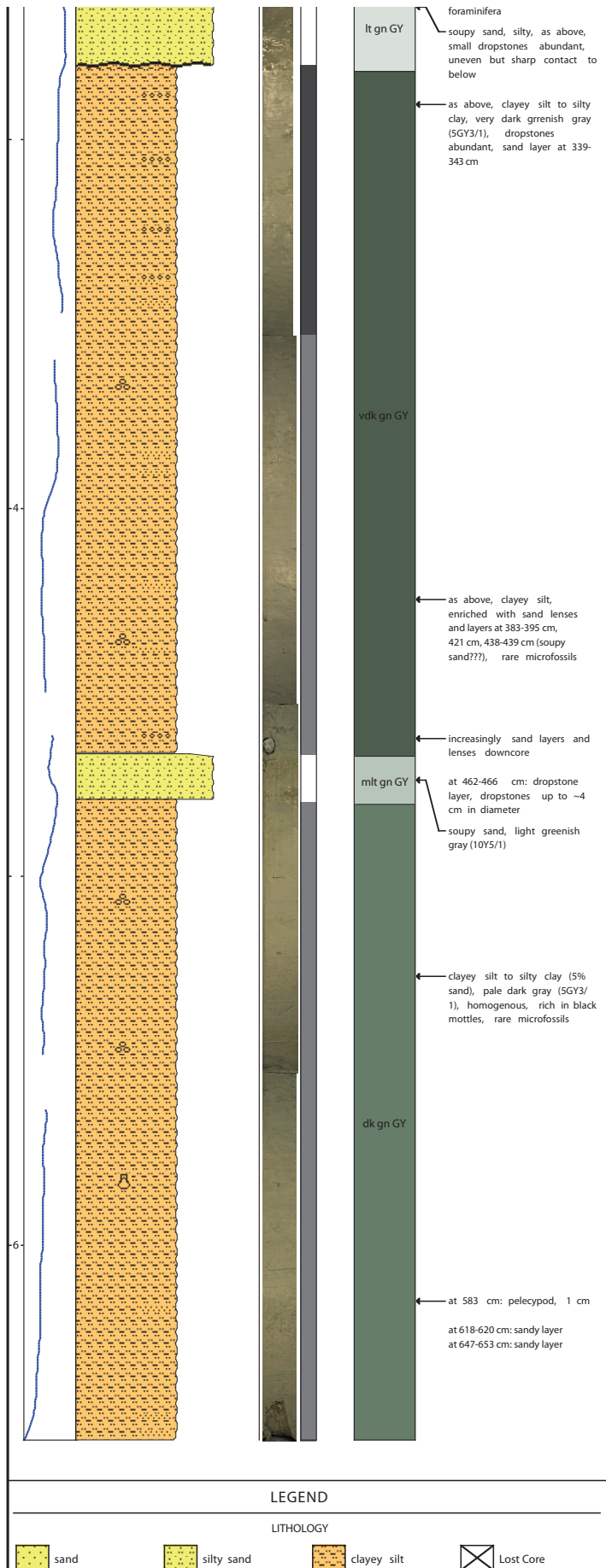
Appendix A.6 Core Descriptions




















Appendix A.6 Core Descriptions



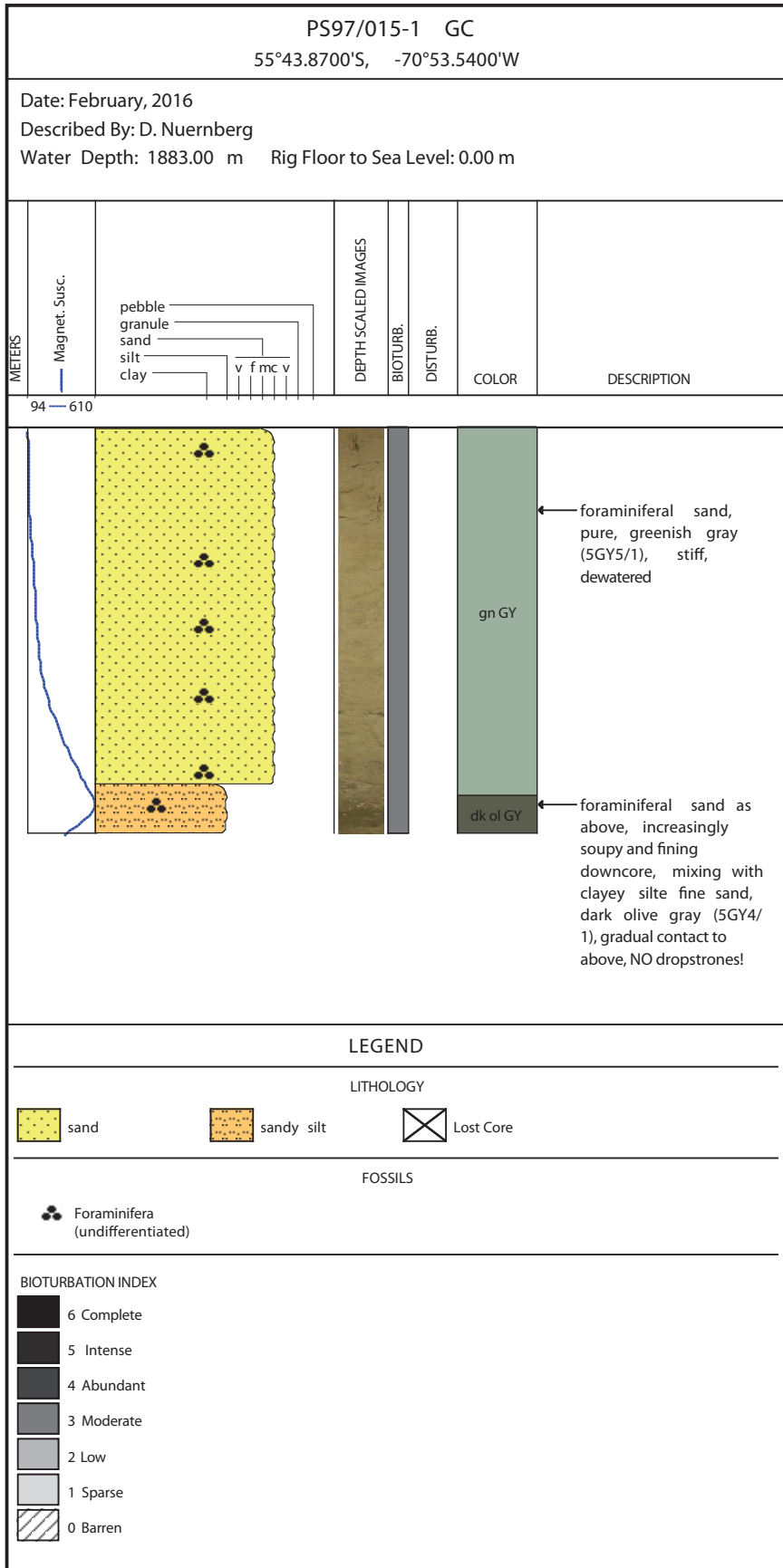
Appendix A.6 Core Descriptions



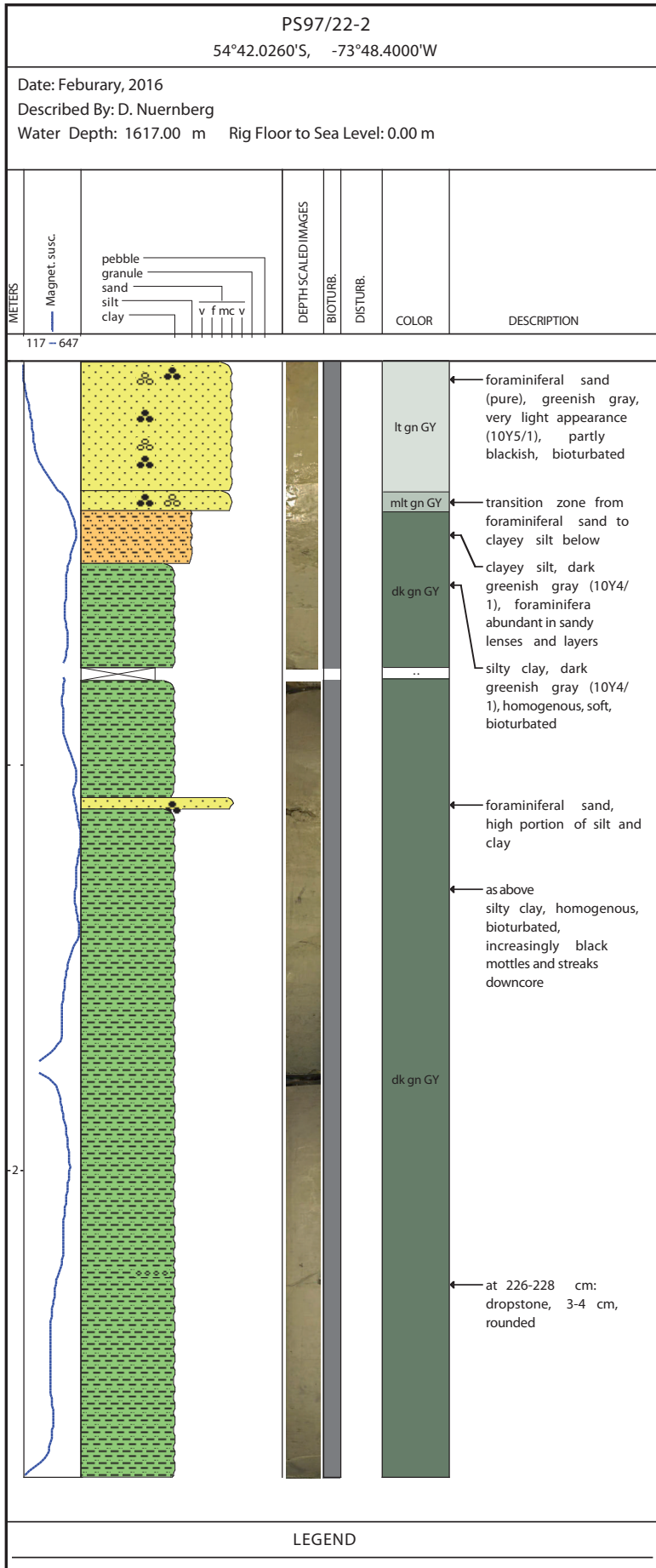
Appendix A.6 Core Descriptions

LEGEND	
LITHOLOGY	
 sand	 silty sand
 clayey silt	 Lost Core
CONTACTS	
 Undulating	
LITHOLOGIC ACCESSORIES	
 Sand Lamina	 Pebbles/Granules
FOSSILS	
 Foraminifera (undifferentiated)	 Foraminifera (pelagic)
 Pelecypods	
BIOTURBATION INDEX	
 6 Complete	
 5 Intense	
 4 Abundant	
 3 Moderate	
 2 Low	
 1 Sparse	
 0 Barren	

Appendix A.6 Core Descriptions

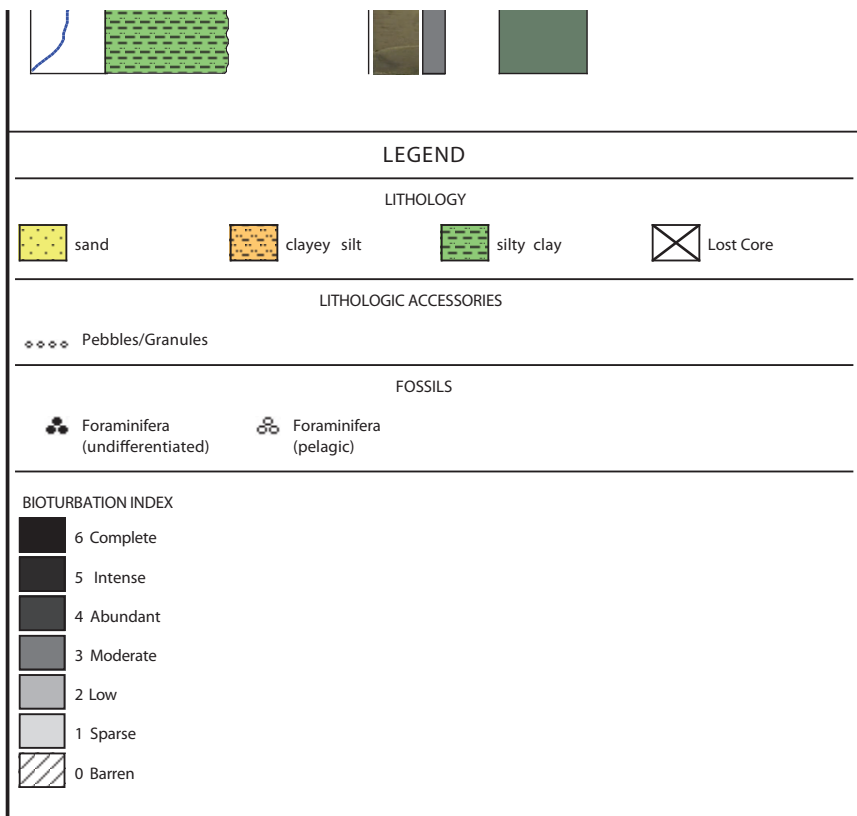


Appendix A.6 Core Descriptions

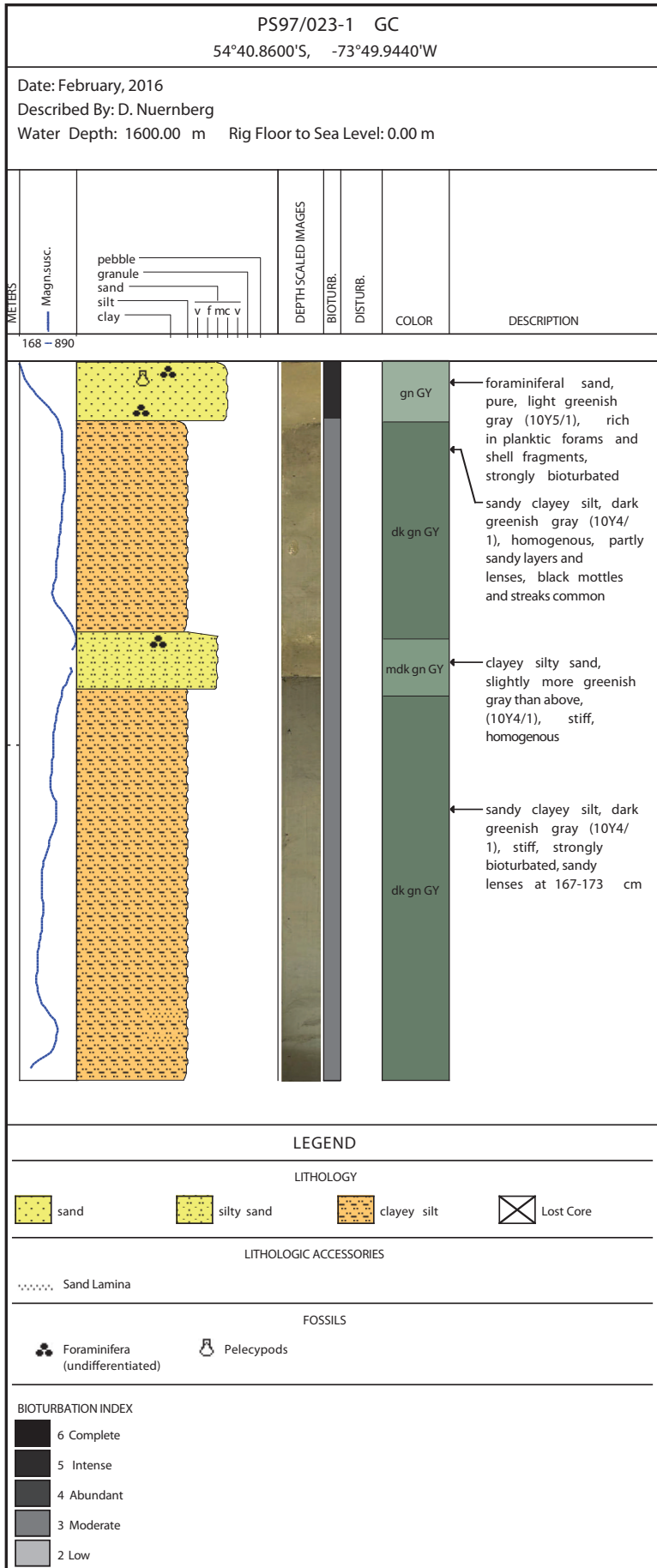


LEGEND

Appendix A.6 Core Descriptions



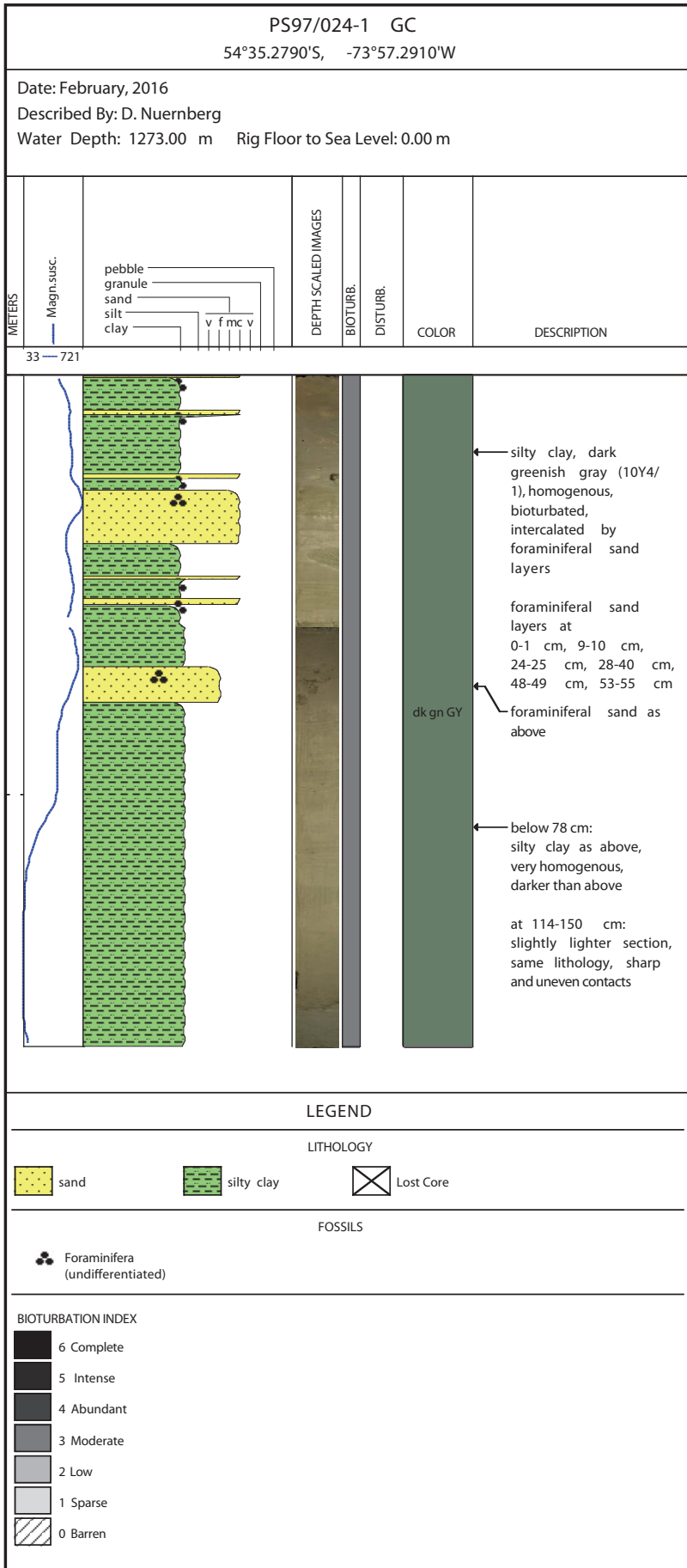
Appendix A.6 Core Descriptions



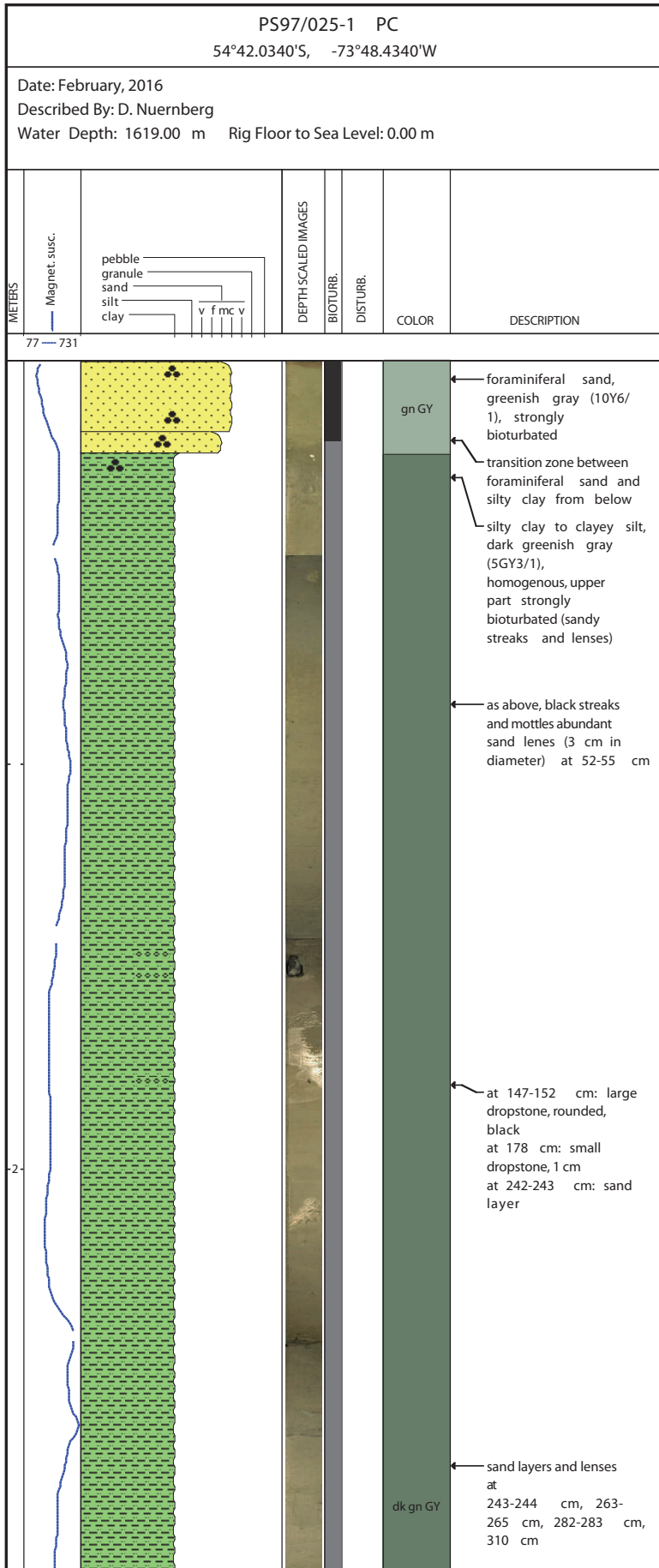
Appendix A.6 Core Descriptions



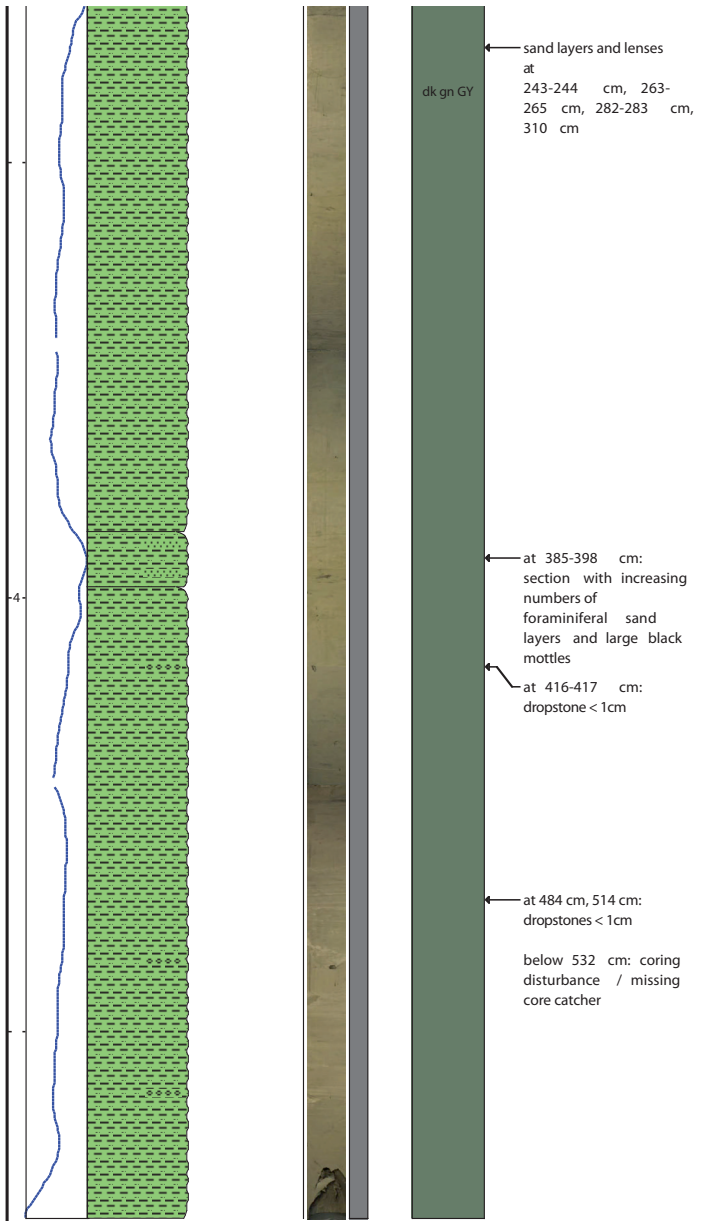
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



LEGEND

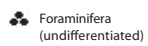
LITHOLOGY



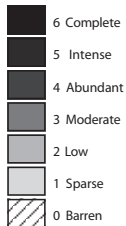
LITHOLOGIC ACCESSORIES



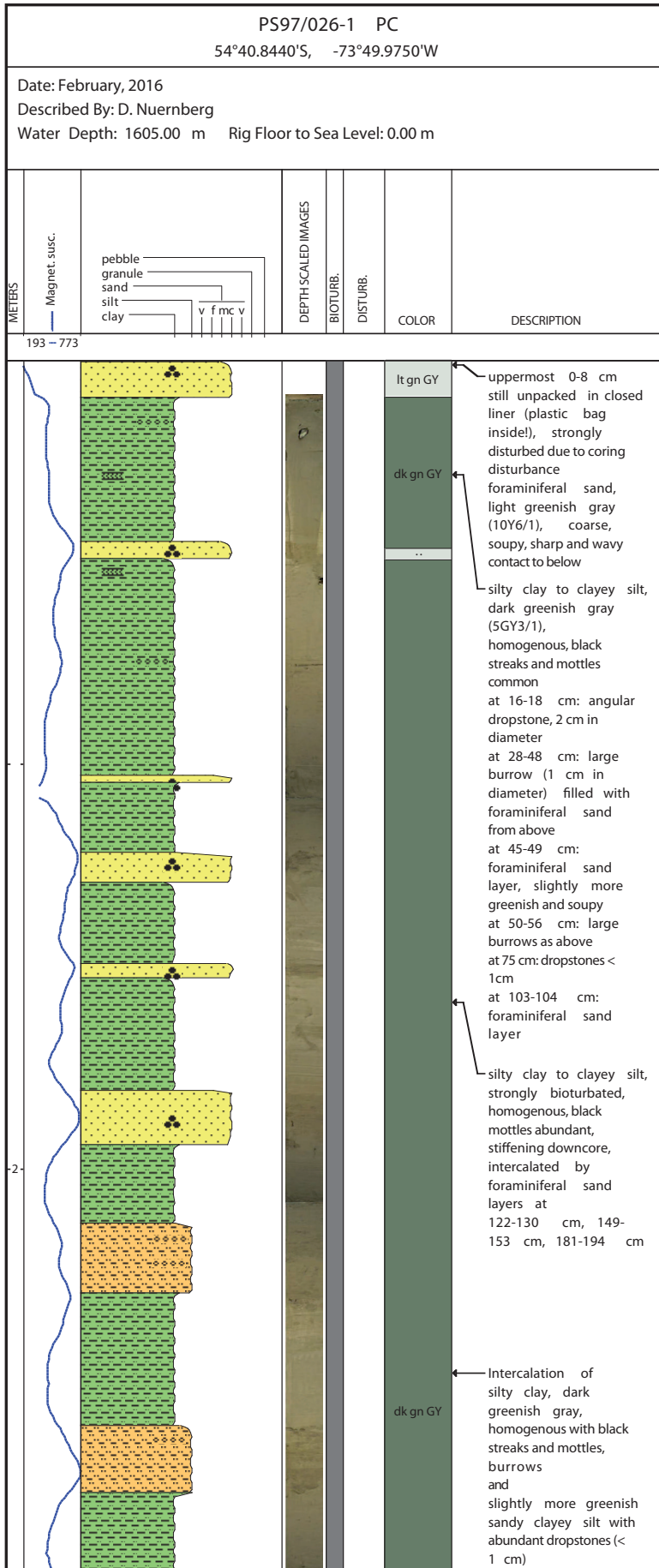
FOSSILS



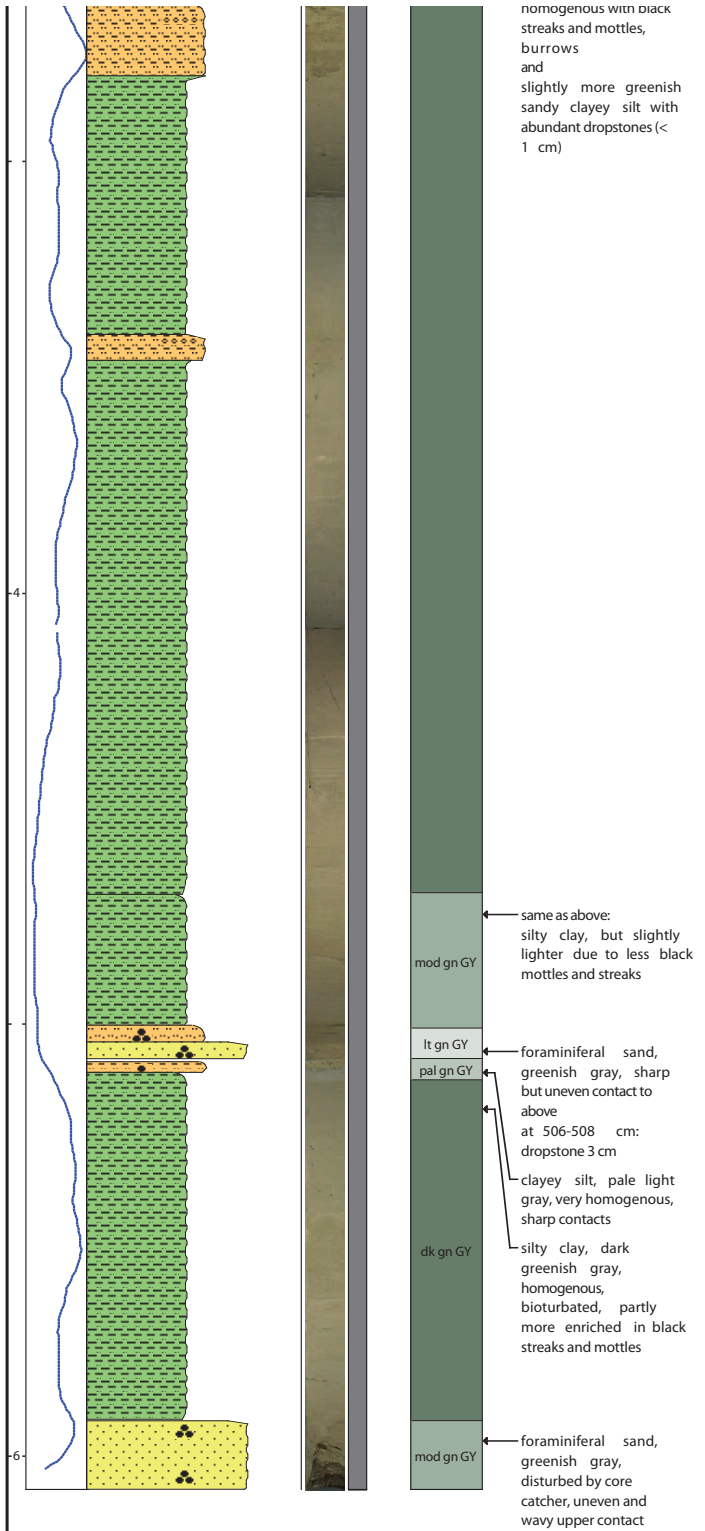
BIOTURBATION INDEX



Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



LEGEND

LITHOLOGY












 sand	 clayey silt	 silty clay	 Lost Core
 sandy silt			

LITHOLOGIC ACCESSORIES

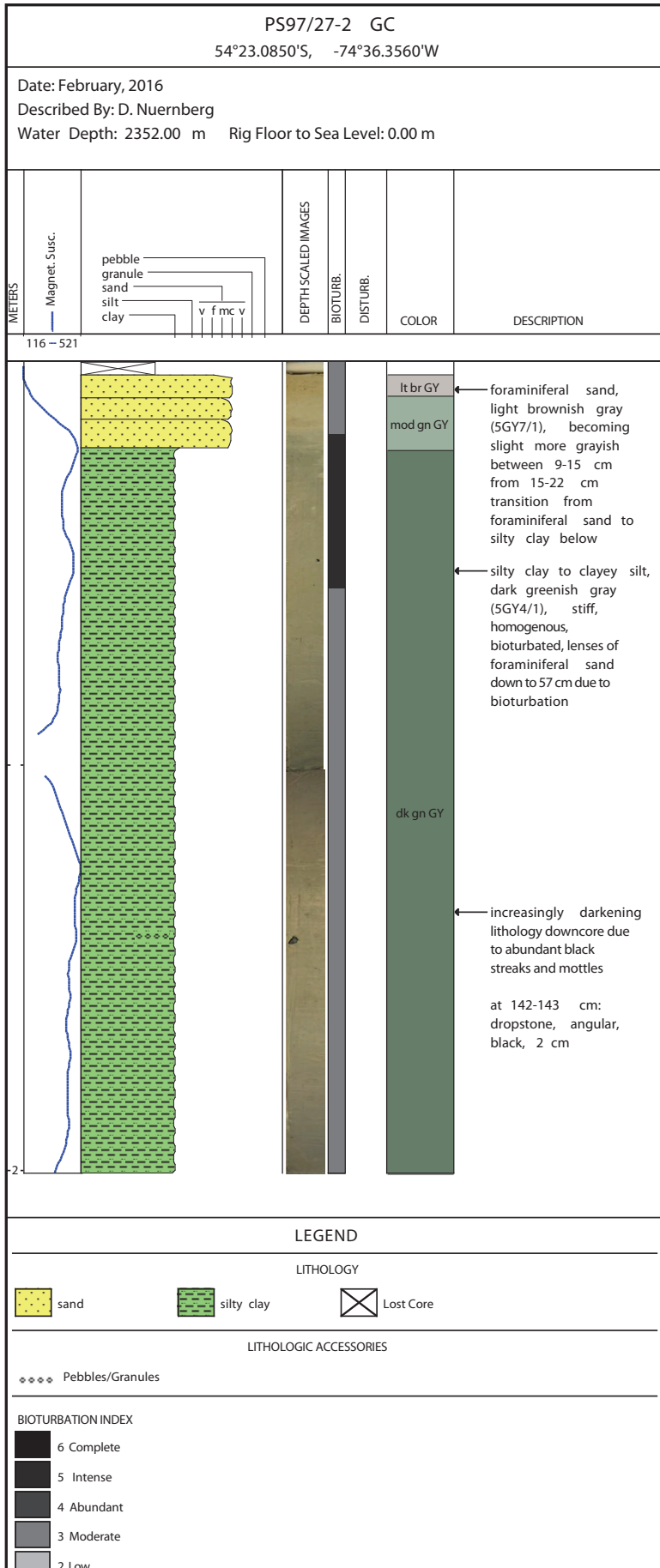
◆◆◆◆ Pebbles/Granules

ICHTHOFOSSILS

Appendix A.6 Core Descriptions

	sandy silt
LITHOLOGIC ACCESSORIES	
	Pebbles/Granules
ICHTNOFOSSILS	
	Zoophycos
FOSSILS	
	Foraminifera (undifferentiated)
BIOTURBATION INDEX	
	6 Complete
	5 Intense
	4 Abundant
	3 Moderate
	2 Low
	1 Sparse
	0 Barren

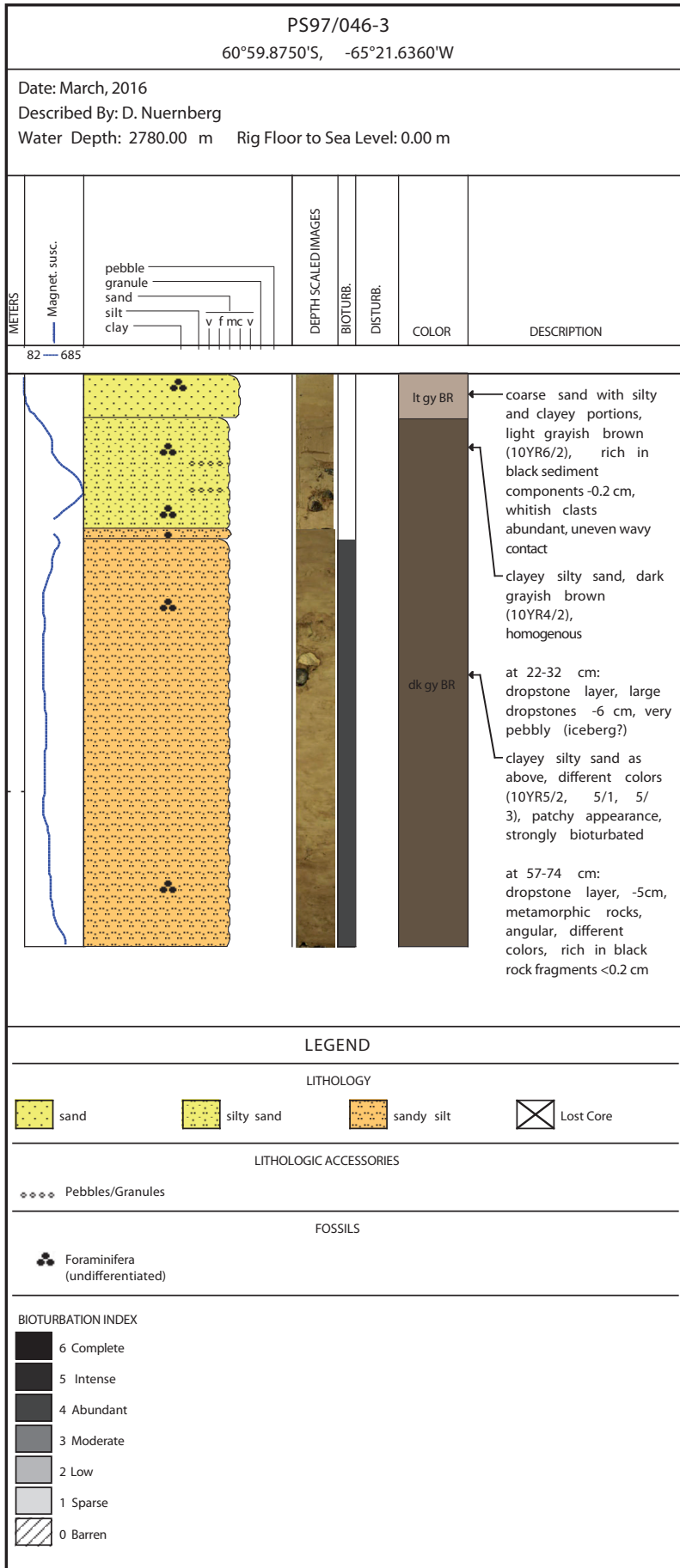
Appendix A.6 Core Descriptions



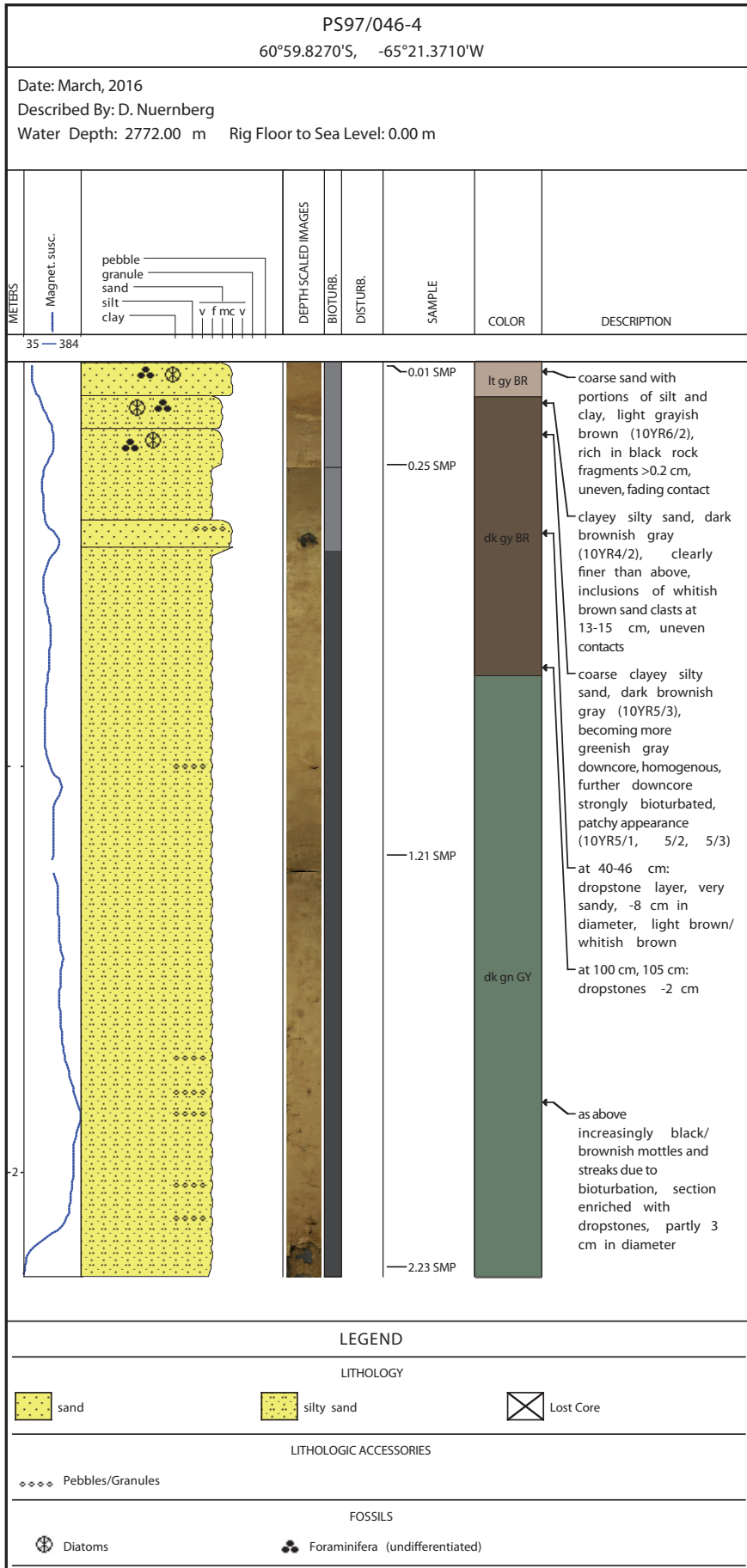
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



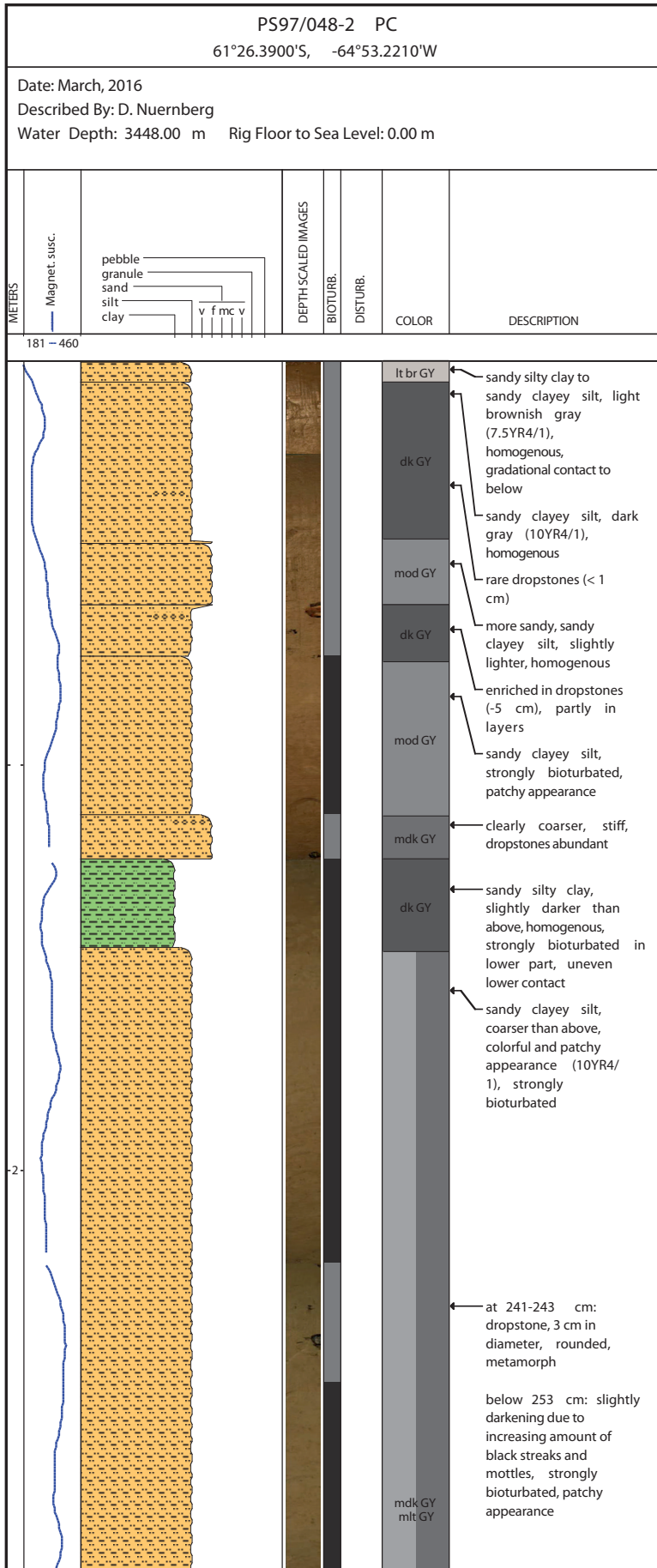
Appendix A.6 Core Descriptions



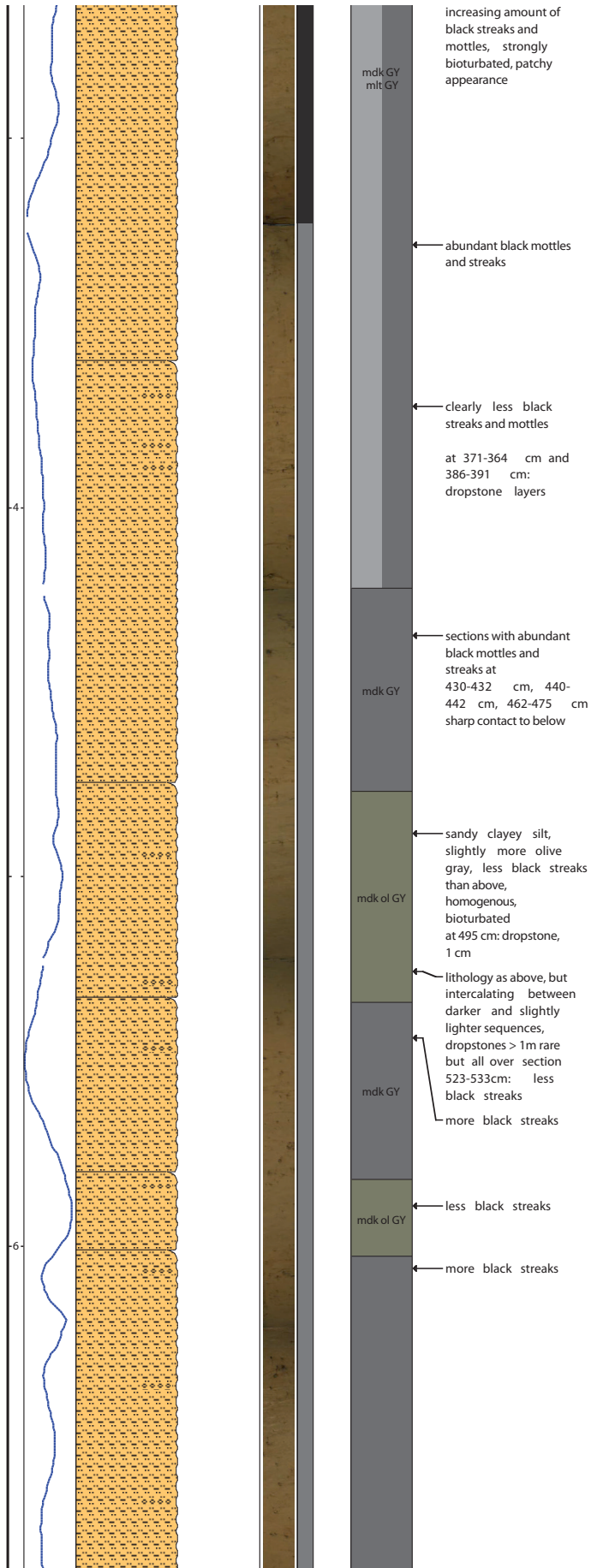
Appendix A.6 Core Descriptions

LITHOLOGIC ACCESSORIES	
◆◆◆◆	Pebbles/Granules
FOSSILS	
⊗	Diatoms
⊕	Foraminifera (undifferentiated)
BIOTURBATION INDEX	
■	6 Complete
■	5 Intense
■	4 Abundant
■	3 Moderate
■	2 Low
■	1 Sparse
▨	0 Barren

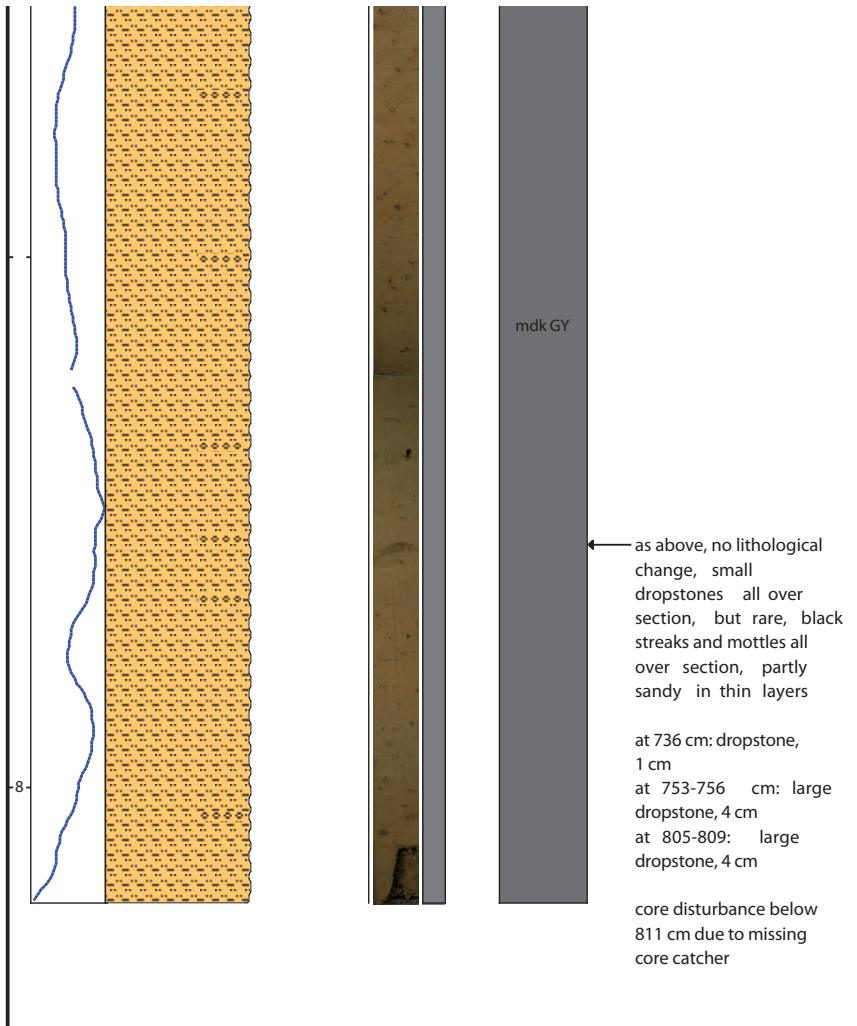
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions




LEGEND








LITHOLOGY

-  clayey silt
-  silty clay
-  Lost Core

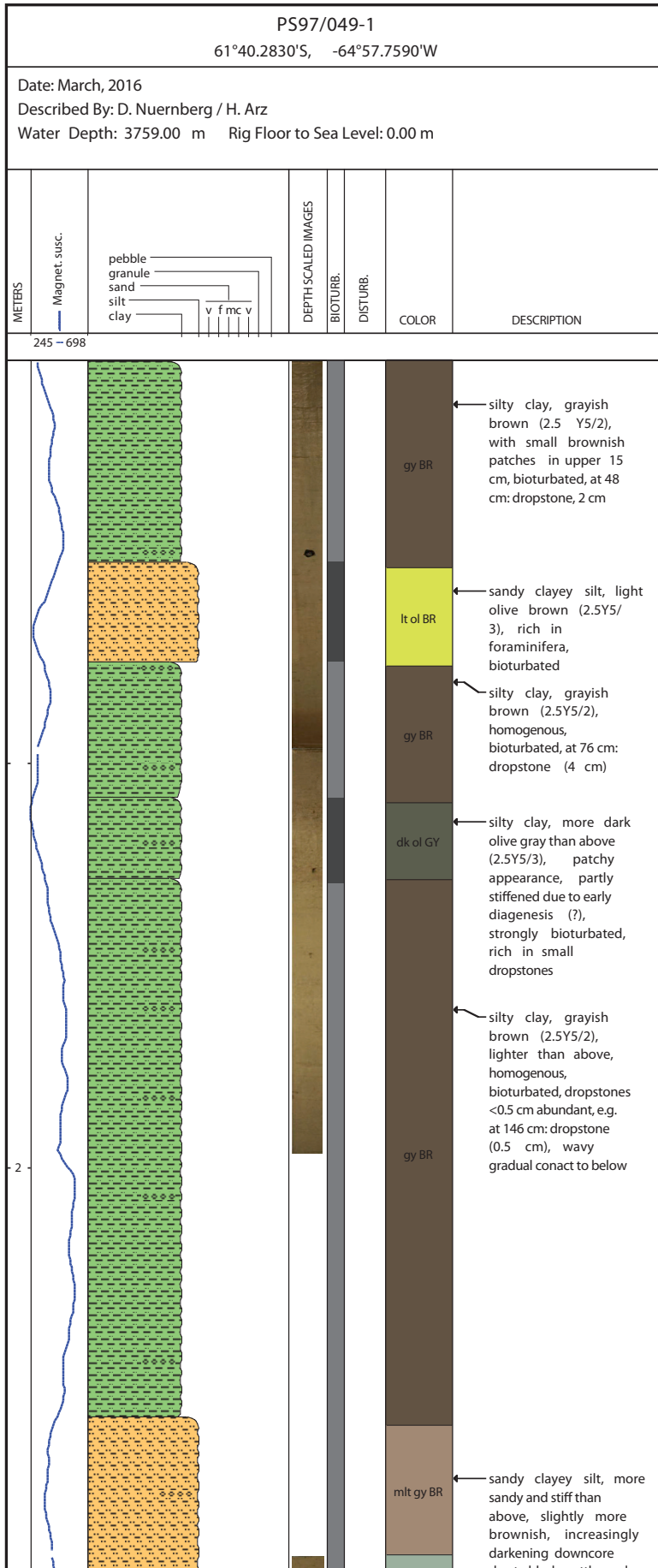
LITHOLOGIC ACCESSORIES

-  Pebbles/Granules

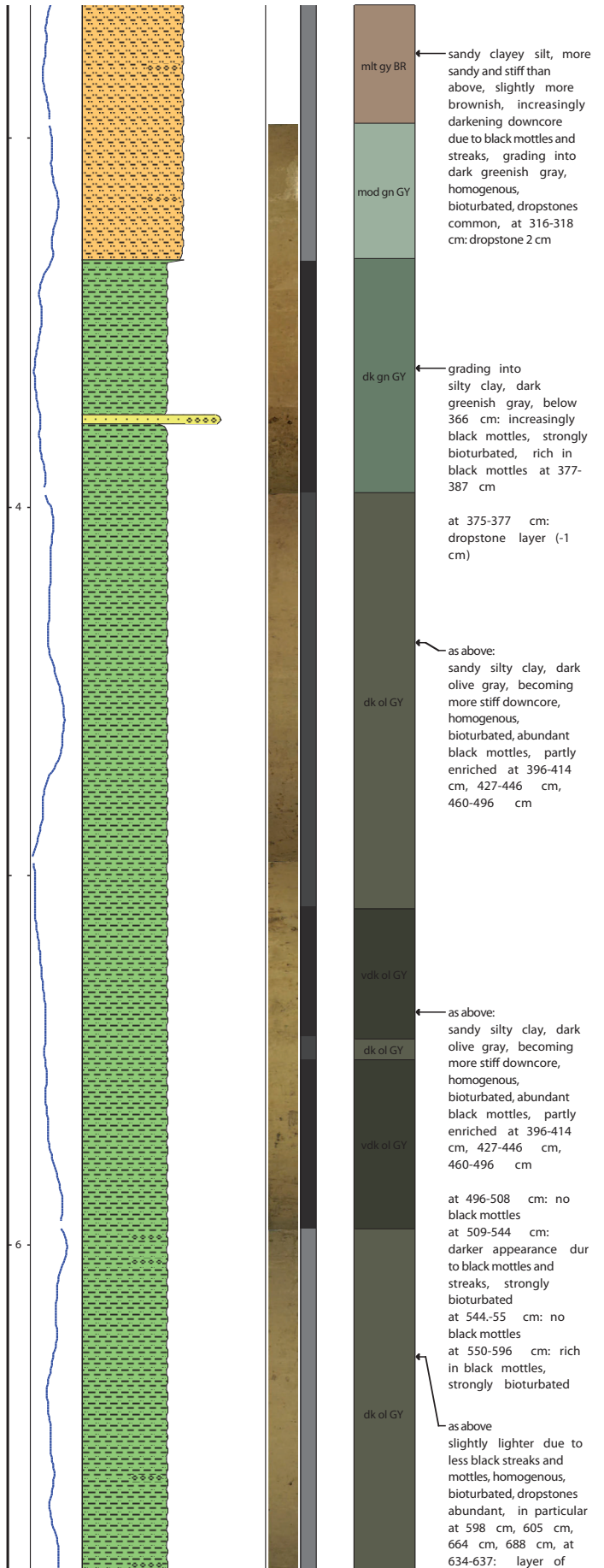
BIOTURBATION INDEX

-  6 Complete
-  5 Intense
-  4 Abundant
-  3 Moderate
-  2 Low
-  1 Sparse
-  0 Barren

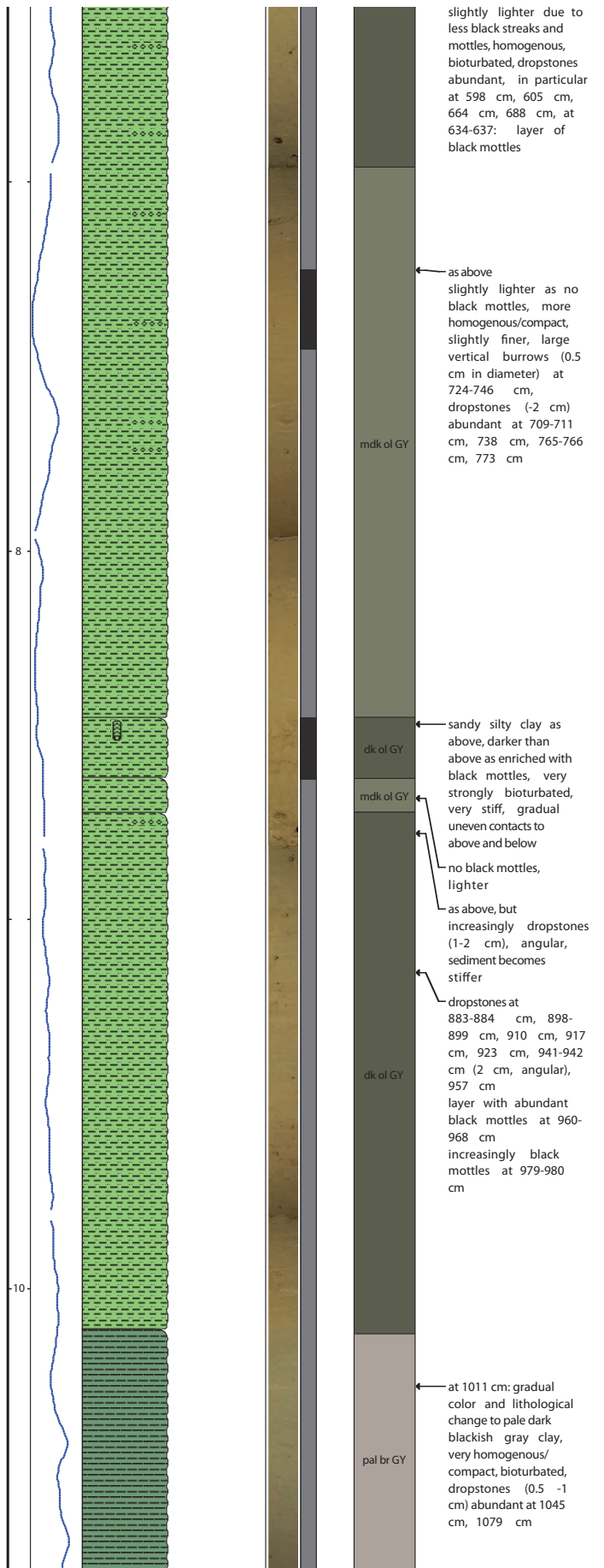
Appendix A.6 Core Descriptions



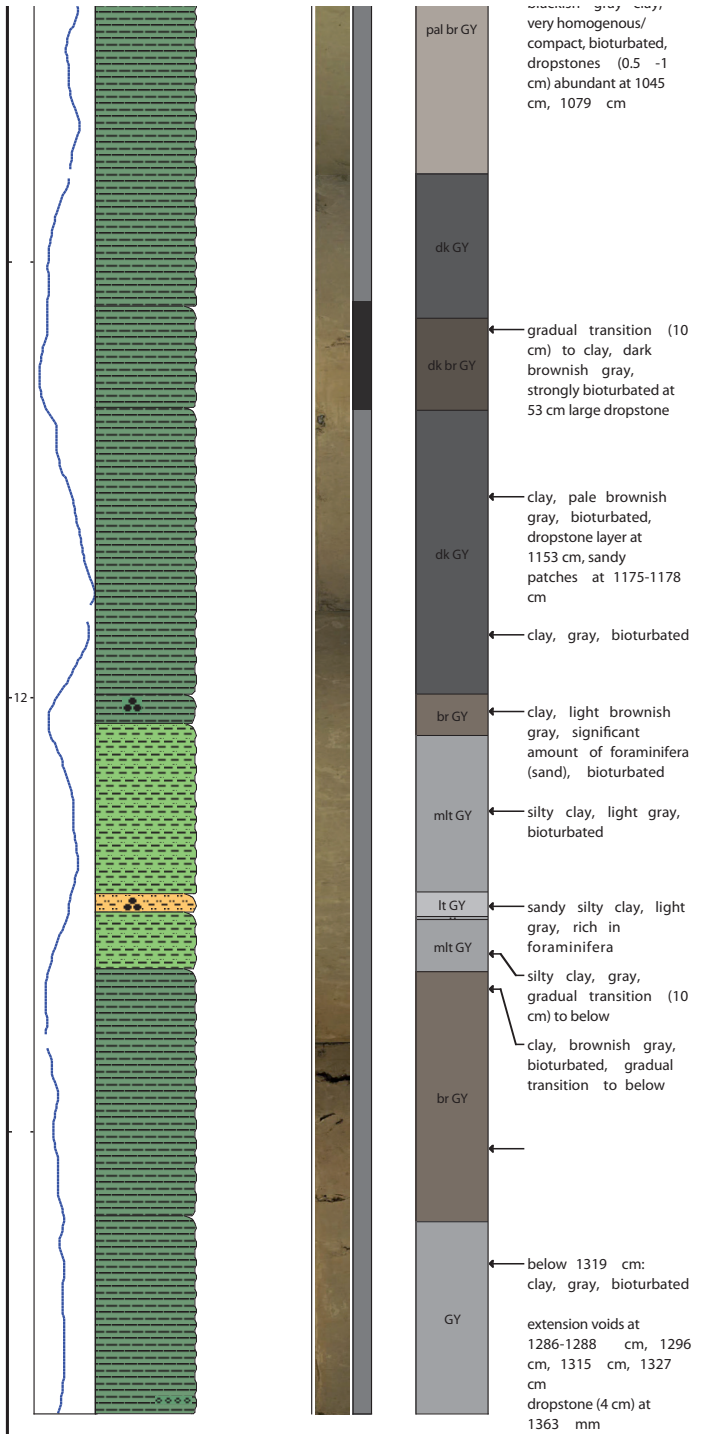
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions




Appendix A.6 Core Descriptions



LEGEND

LITHOLOGY

 sand	 silty clay	 clay	 Lost Core
 clayey silt			


LITHOLOGIC ACCESSORIES

◆◆◆◆ Pebbles/Granules










ICHTHOFOSSILS

 Teichichnus

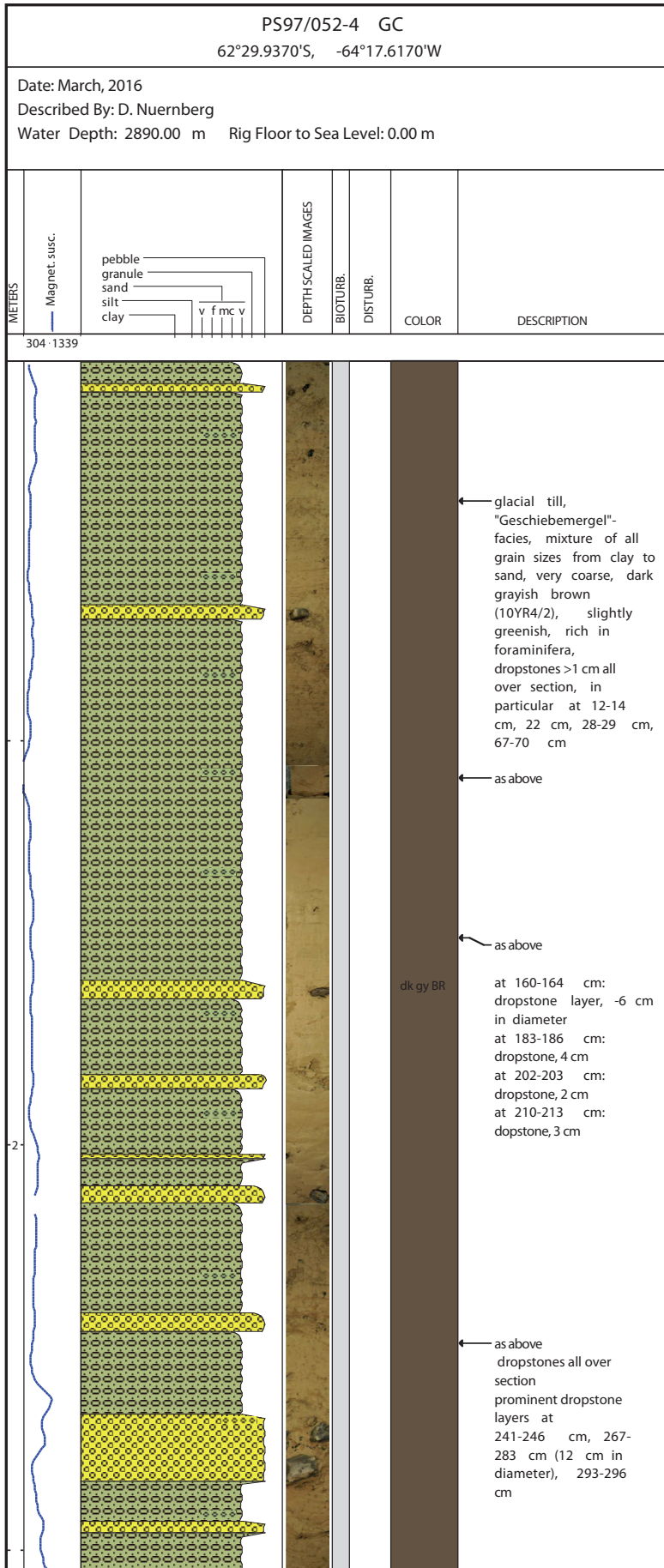
FOSSILS

 Foraminifera
 (undifferentiated)

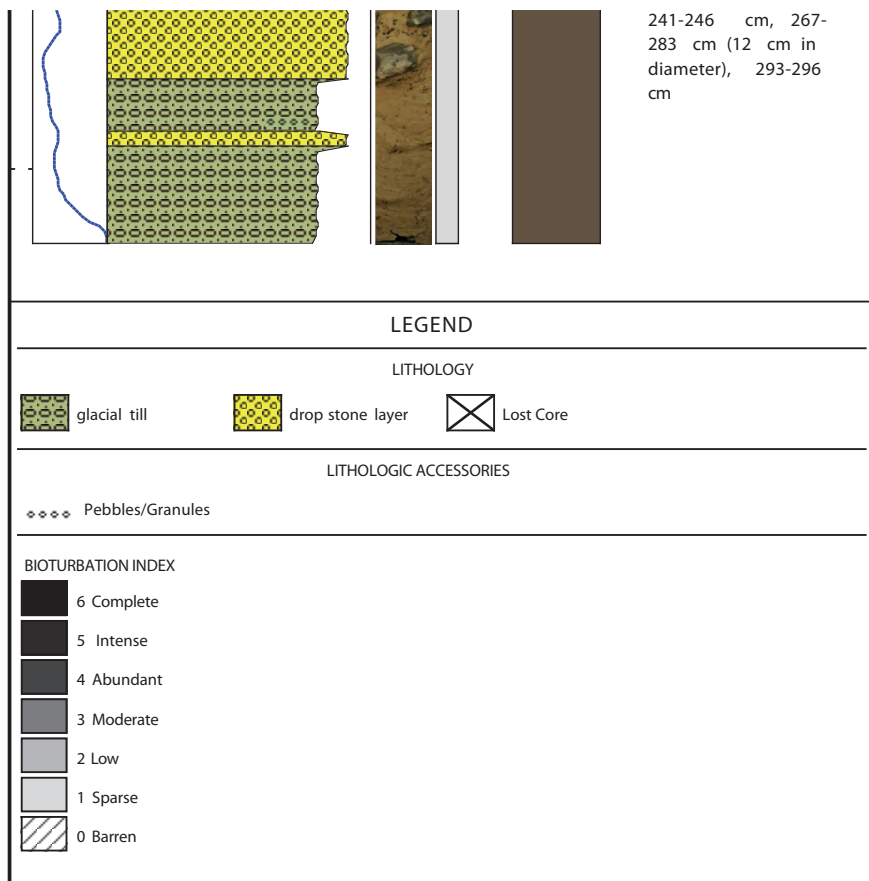
Appendix A.6 Core Descriptions

 Teichichnus	ICHNOFOSSILS
 Foraminifera (undifferentiated)	FOSSILS
BIOTURBATION INDEX	
 6 Complete	
 5 Intense	
 4 Abundant	
 3 Moderate	
 2 Low	
 1 Sparse	
 0 Barren	

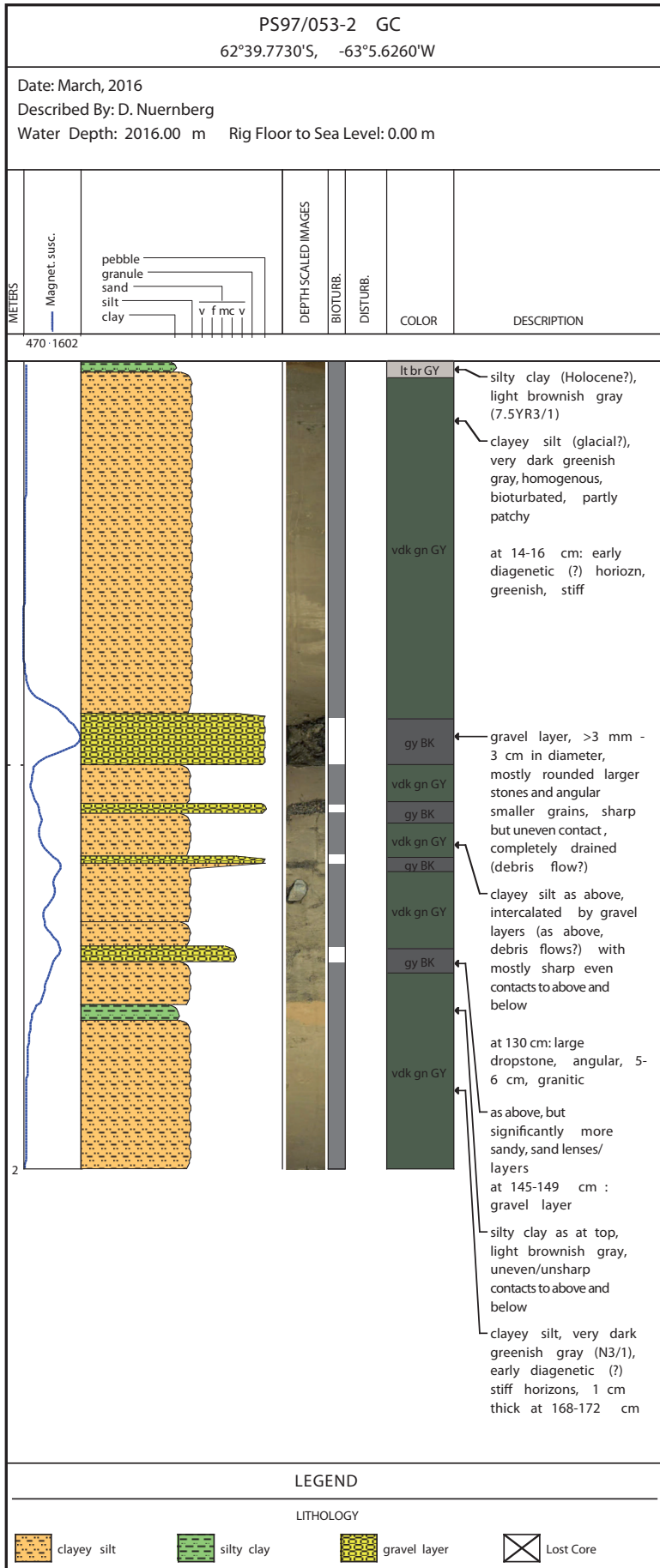
Appendix A.6 Core Descriptions














Appendix A.6 Core Descriptions



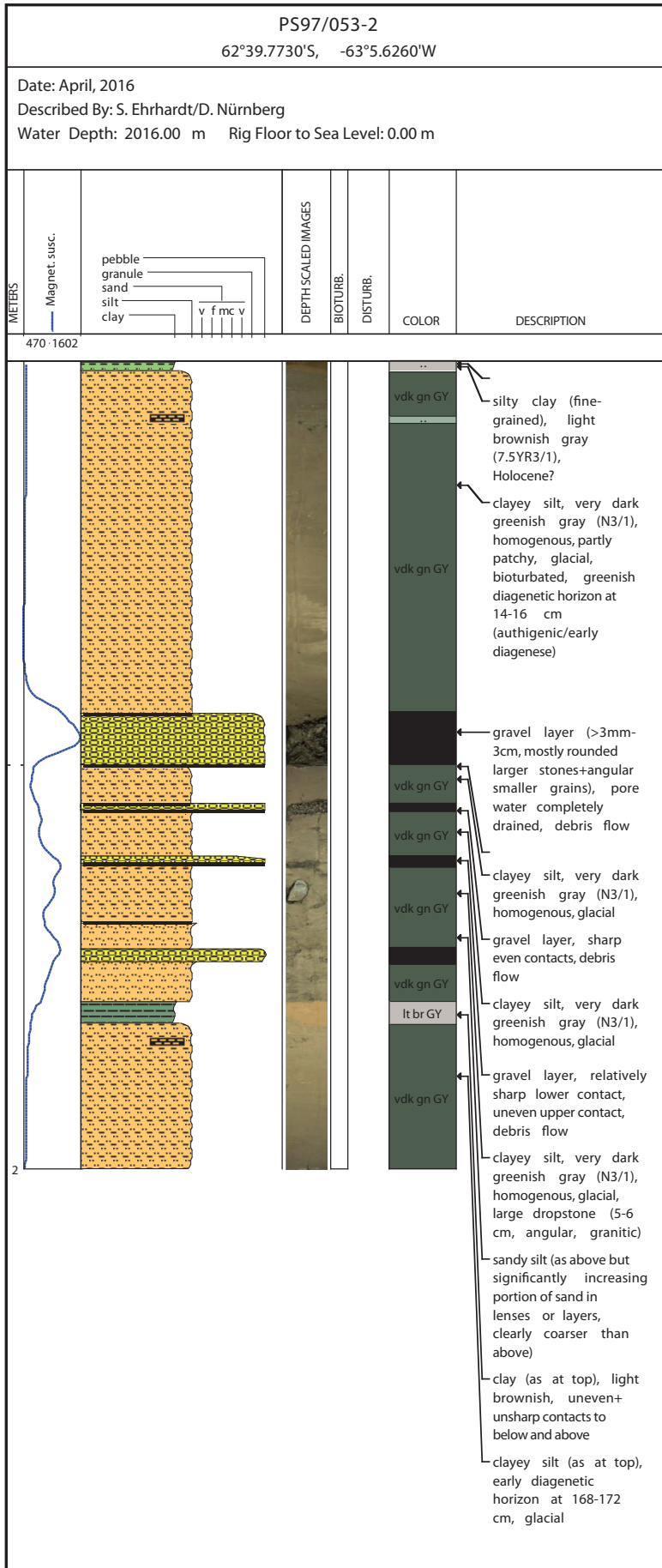
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions

LEGEND			
LITHOLOGY			
 clayey silt	 silty clay	 gravel layer	 Lost Core
BIOTURBATION INDEX			
 6 Complete			
 5 Intense			
 4 Abundant			
 3 Moderate			
 2 Low			
 1 Sparse			
 0 Barren			

Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions

below and above
clayey silt (as at top),
early diagenetic
horizon at 168-172
cm, glacial

LEGEND


LITHOLOGY

	sandy silt		silty clay		gravel layer		Lost Core
	clayey silt		clay				

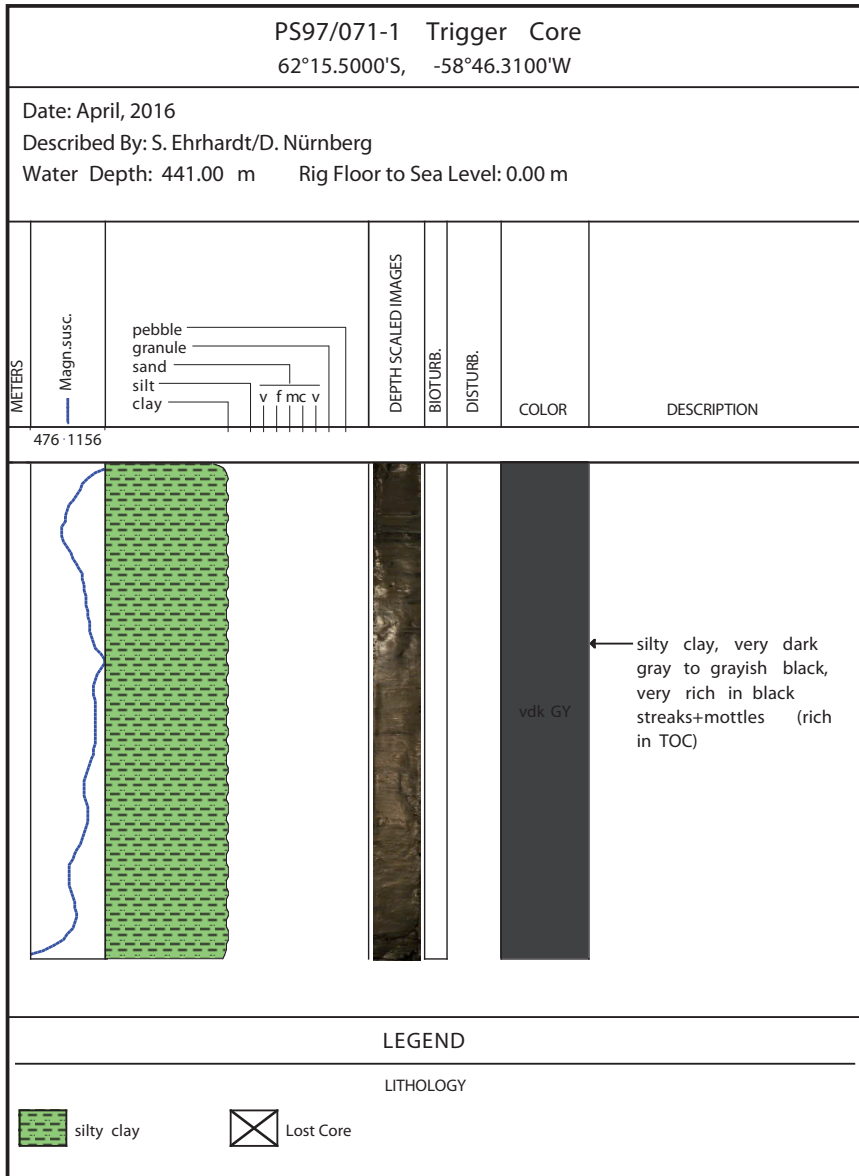
CONTACTS

 Sharp

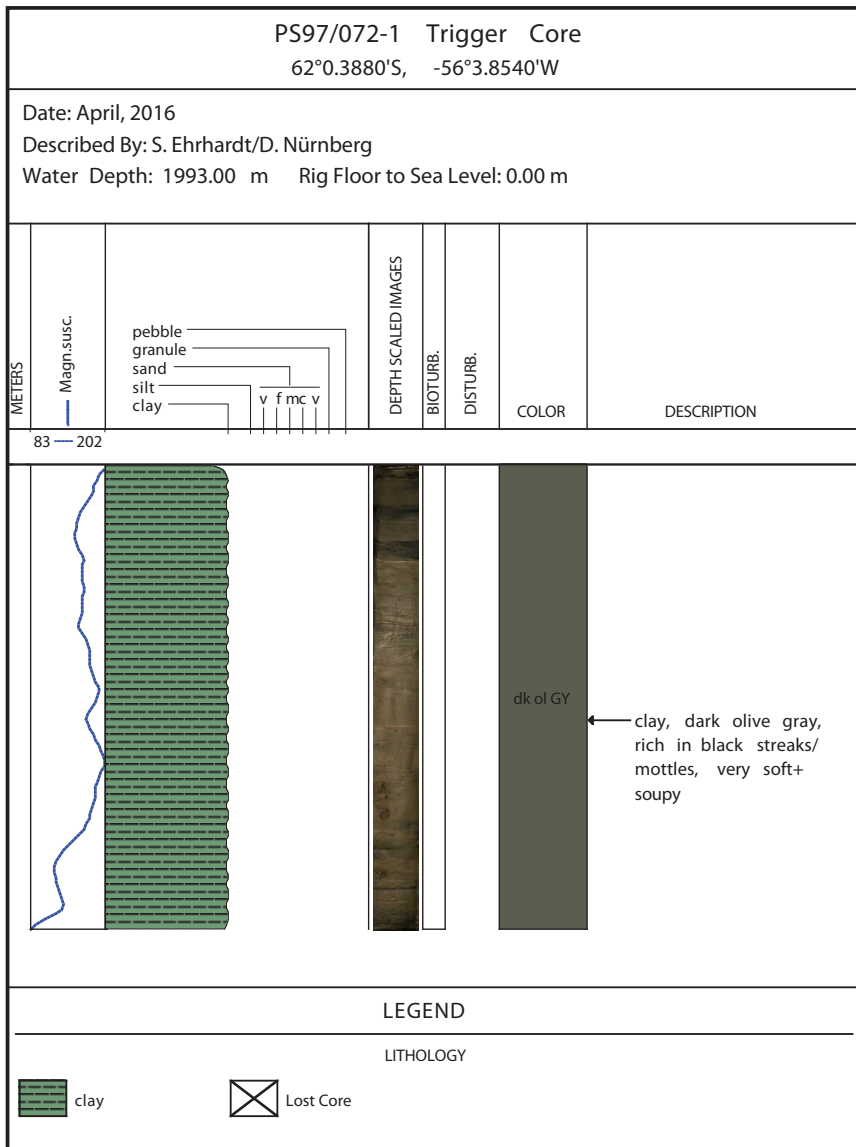
LITHOLOGIC ACCESSORIES

 Diagenet. altered horizon

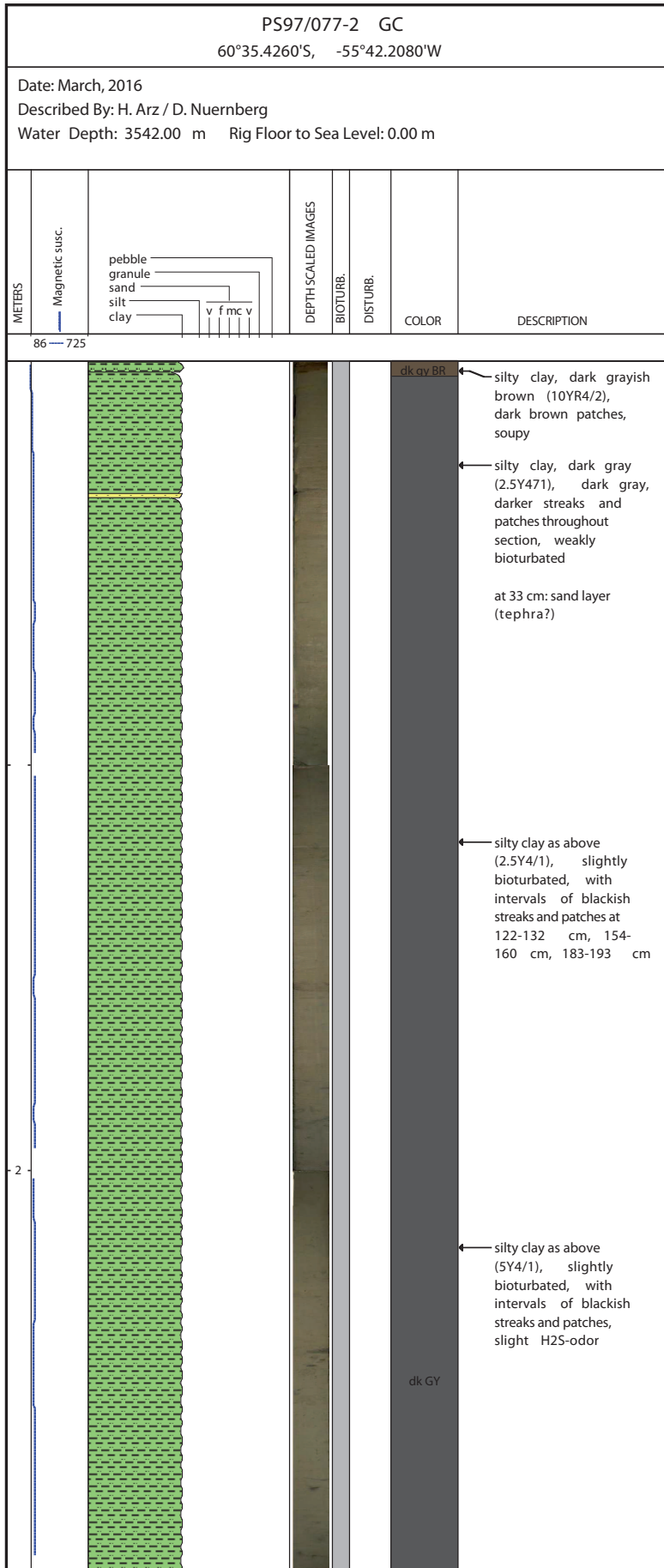
Appendix A.6 Core Descriptions



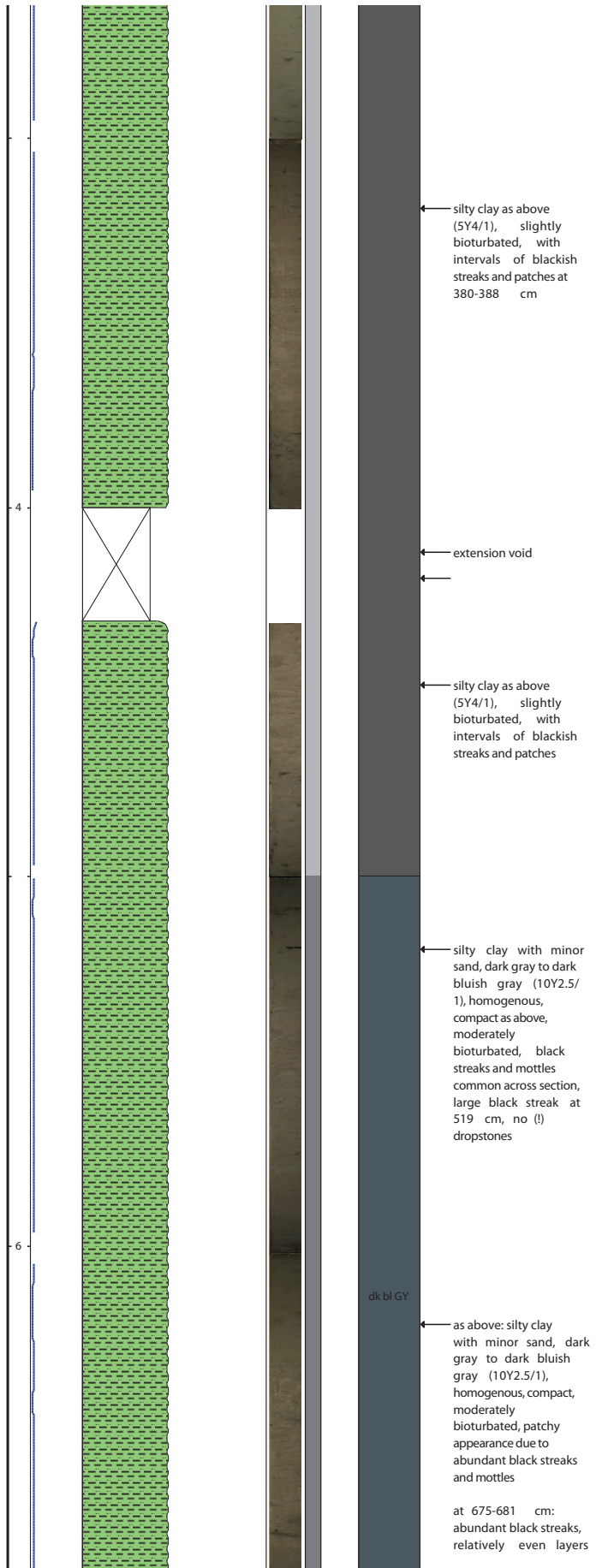
Appendix A.6 Core Descriptions



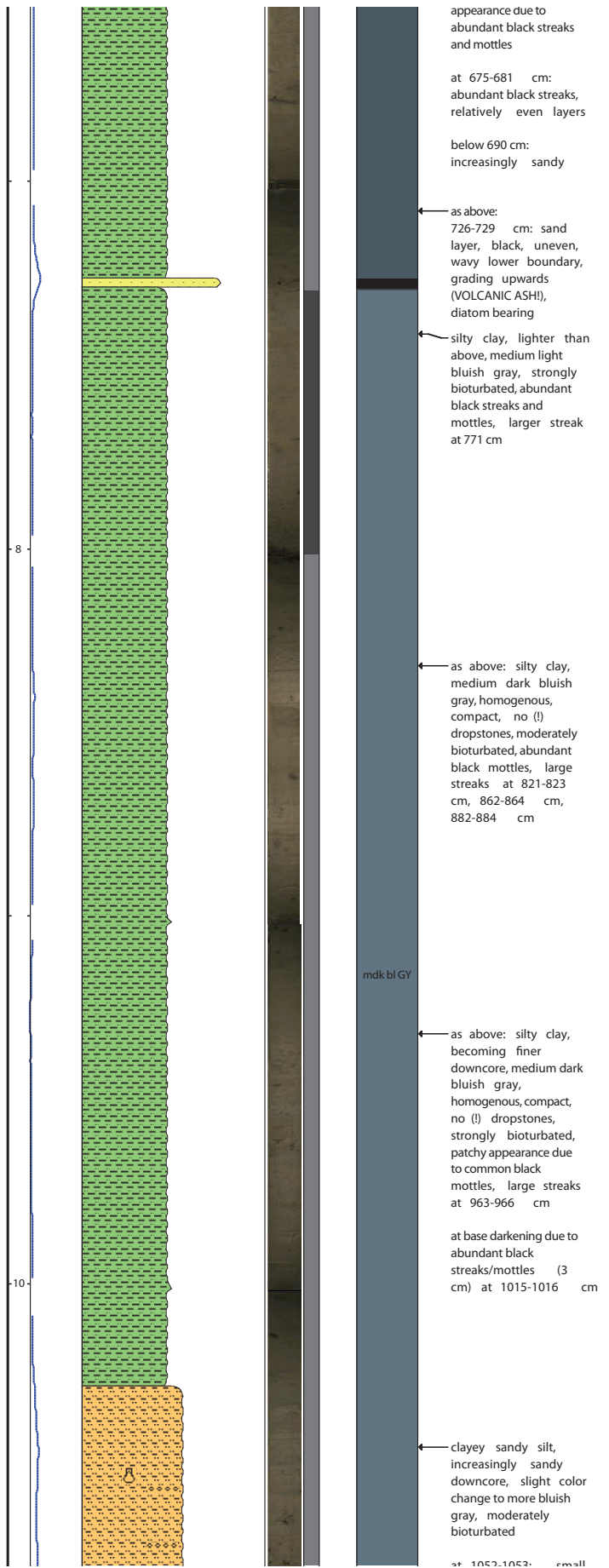
Appendix A.6 Core Descriptions



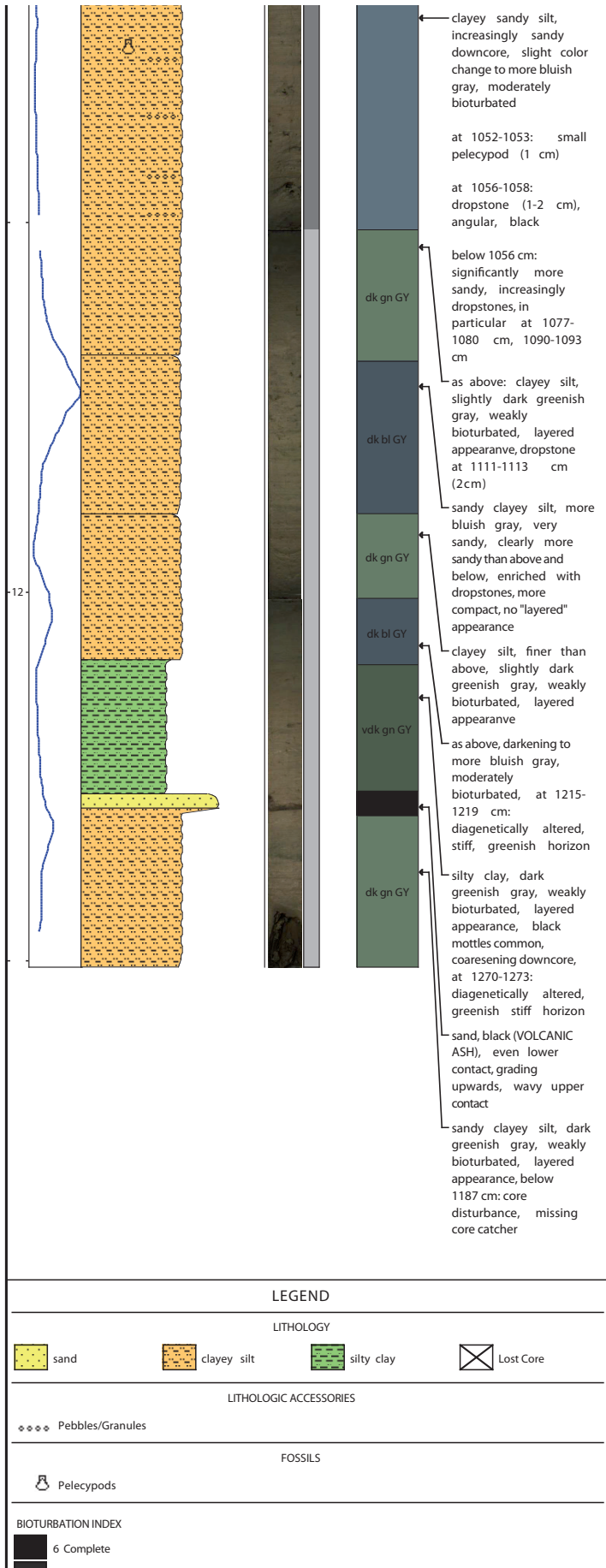
Appendix A.6 Core Descriptions











Appendix A.6 Core Descriptions



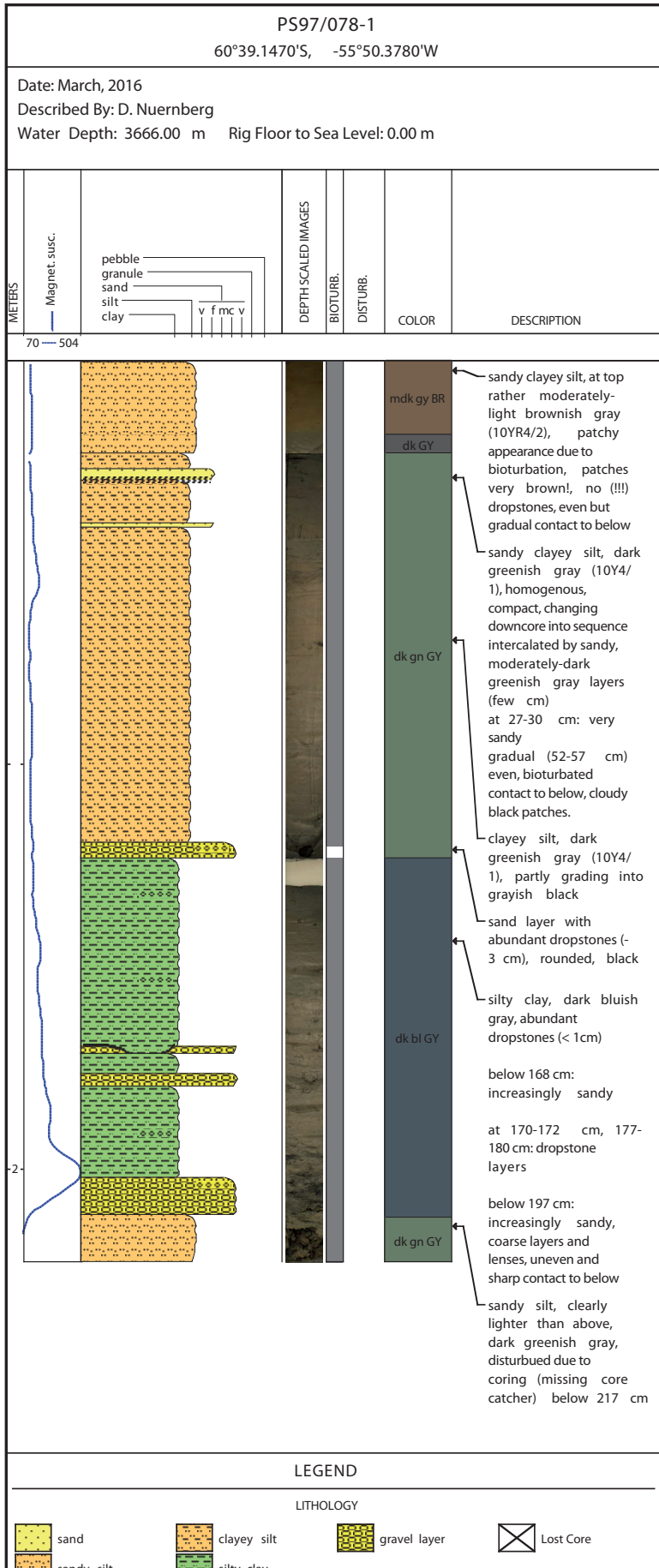
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions

FOSSILS	
 Pelecypods	
BIOTURBATION INDEX	
	6 Complete
	5 Intense
	4 Abundant
	3 Moderate
	2 Low
	1 Sparse
	0 Barren







Appendix A.6 Core Descriptions





Appendix A.6 Core Descriptions

LEGEND


LITHOLOGY

 sand	 clayey silt	 gravel layer	 Lost Core
 sandy silt	 silty clay		








CONTACTS

 Bioturbated	 Incised
---	---

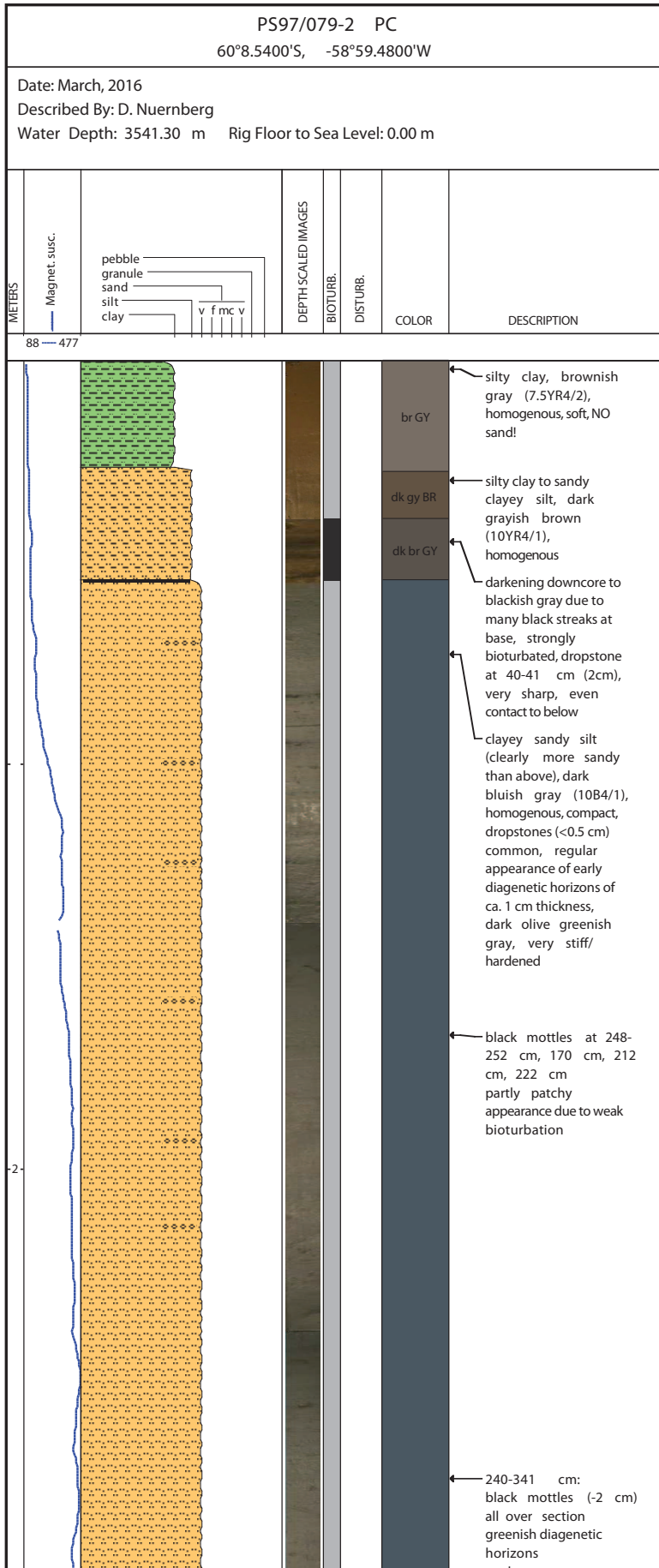
LITHOLOGIC ACCESSORIES

 Pebbles/Granules
--

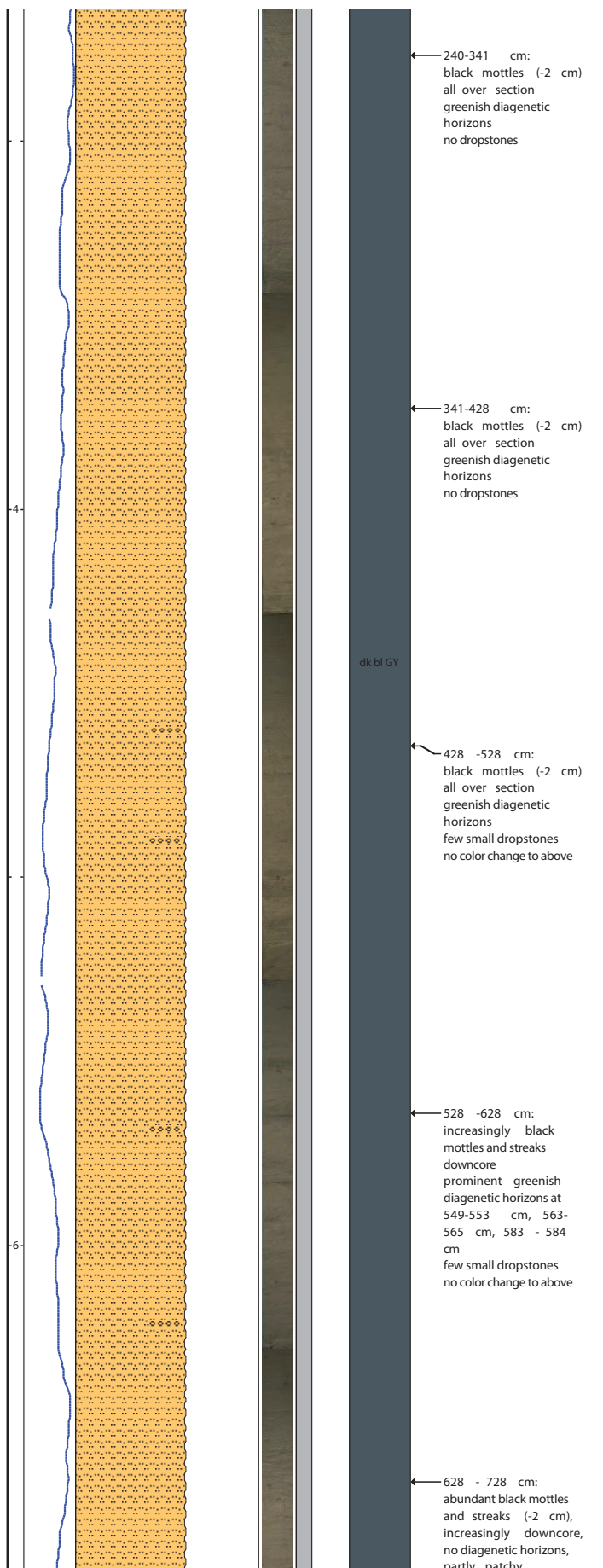
BIOTURBATION INDEX

 6 Complete
 5 Intense
 4 Abundant
 3 Moderate
 2 Low
 1 Sparse
 0 Barren

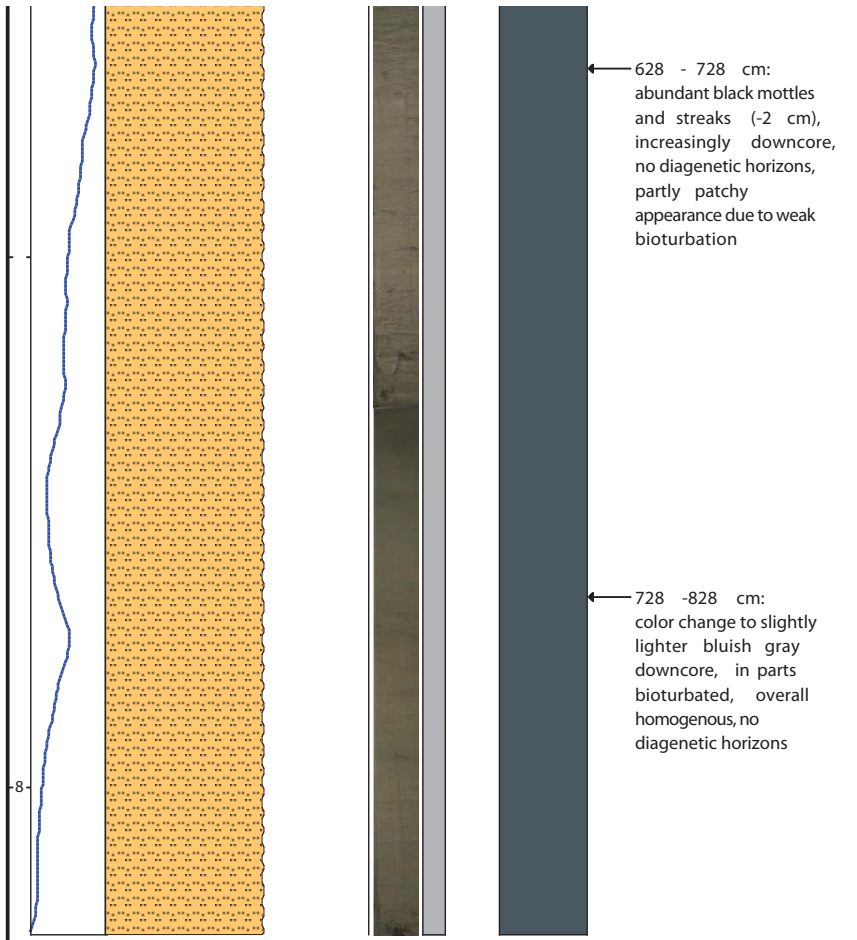
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



LEGEND

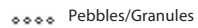
LITHOLOGY



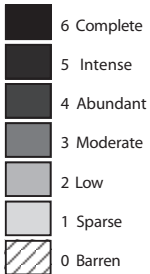
CONTACTS



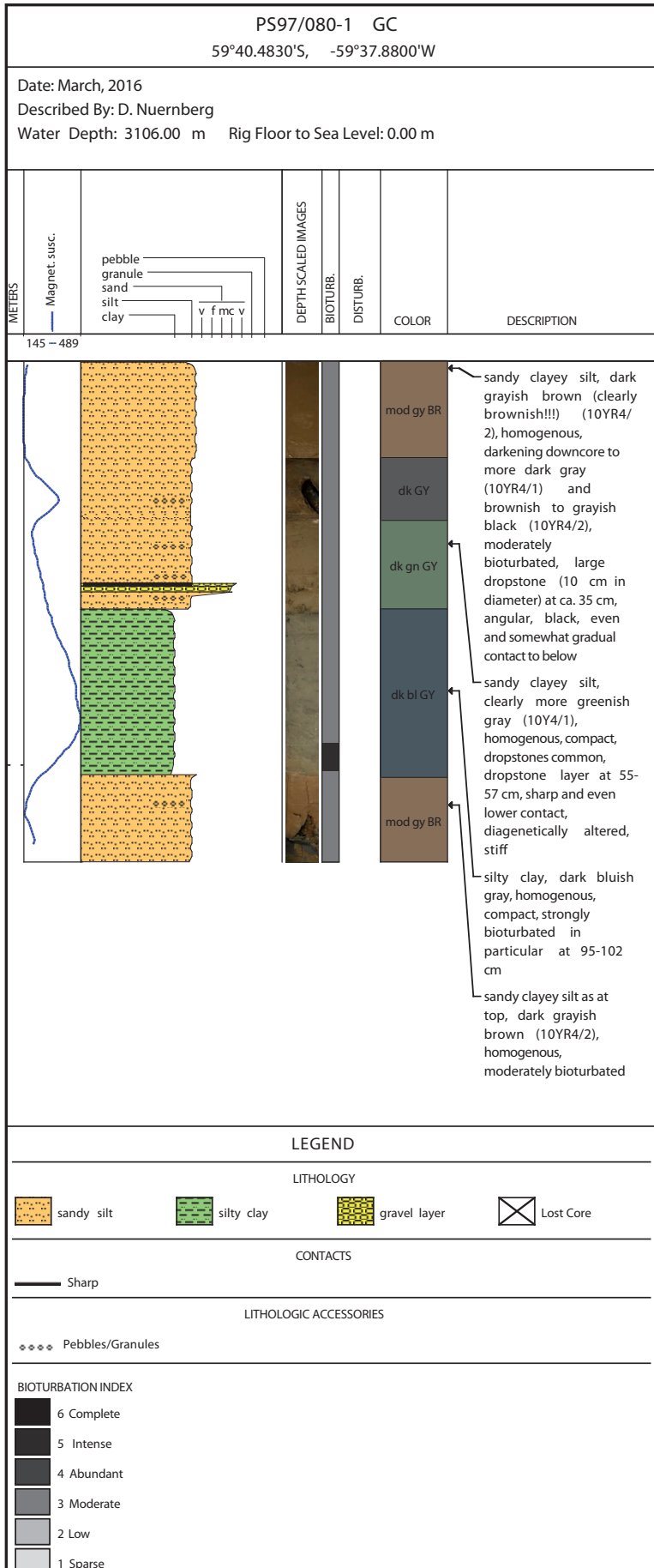
LITHOLOGIC ACCESSORIES



BIOTURBATION INDEX



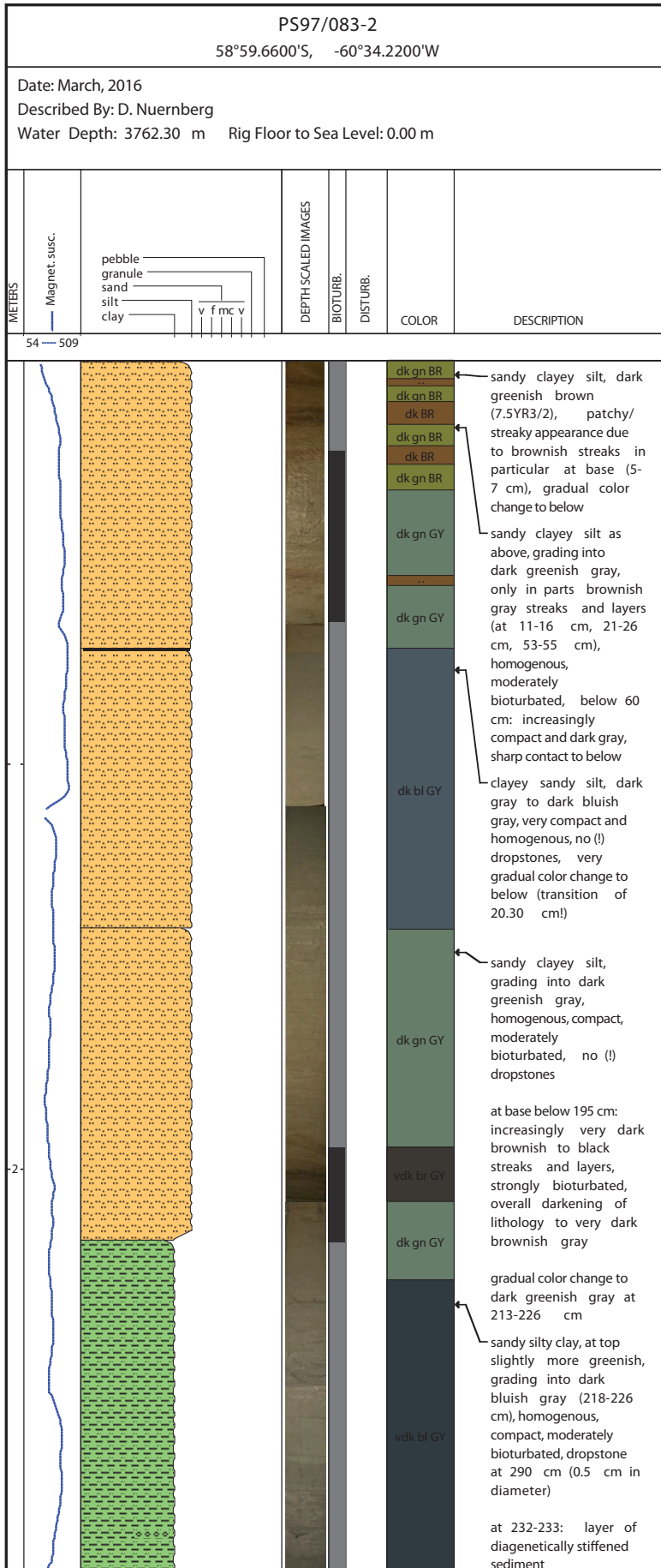
Appendix A.6 Core Descriptions



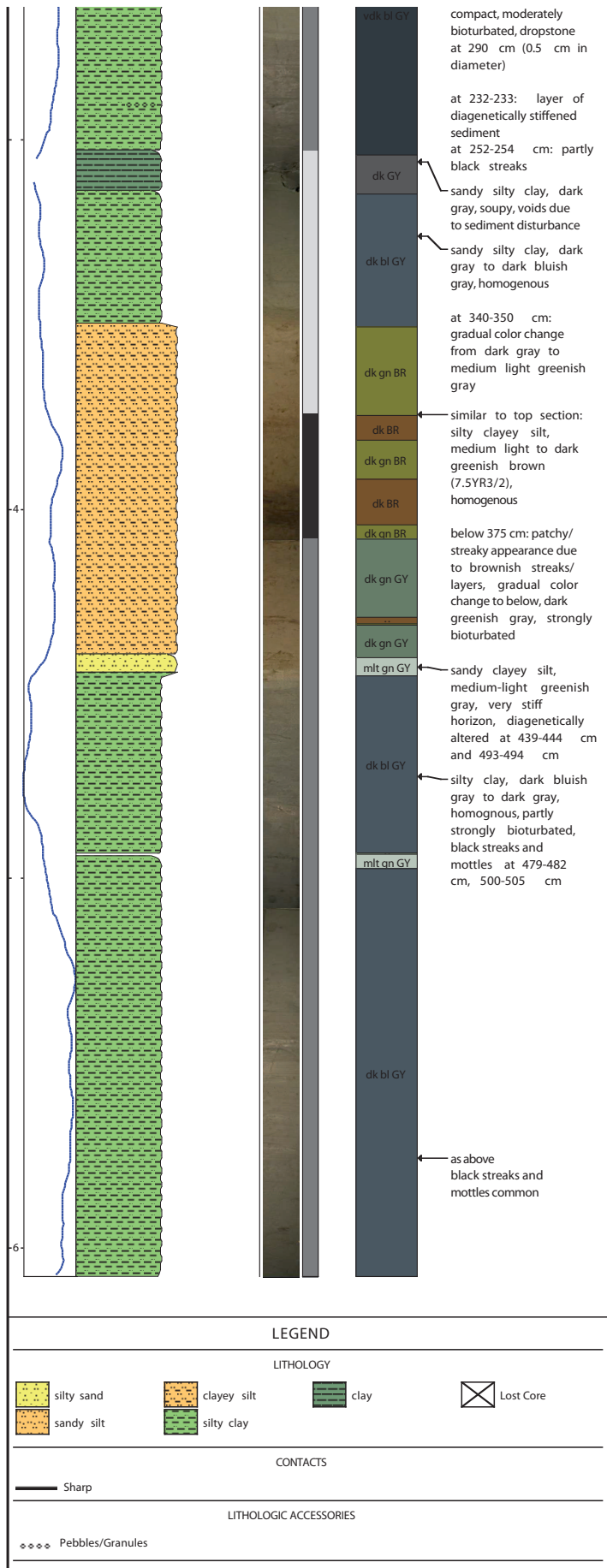
Appendix A.6 Core Descriptions












Appendix A.6 Core Descriptions



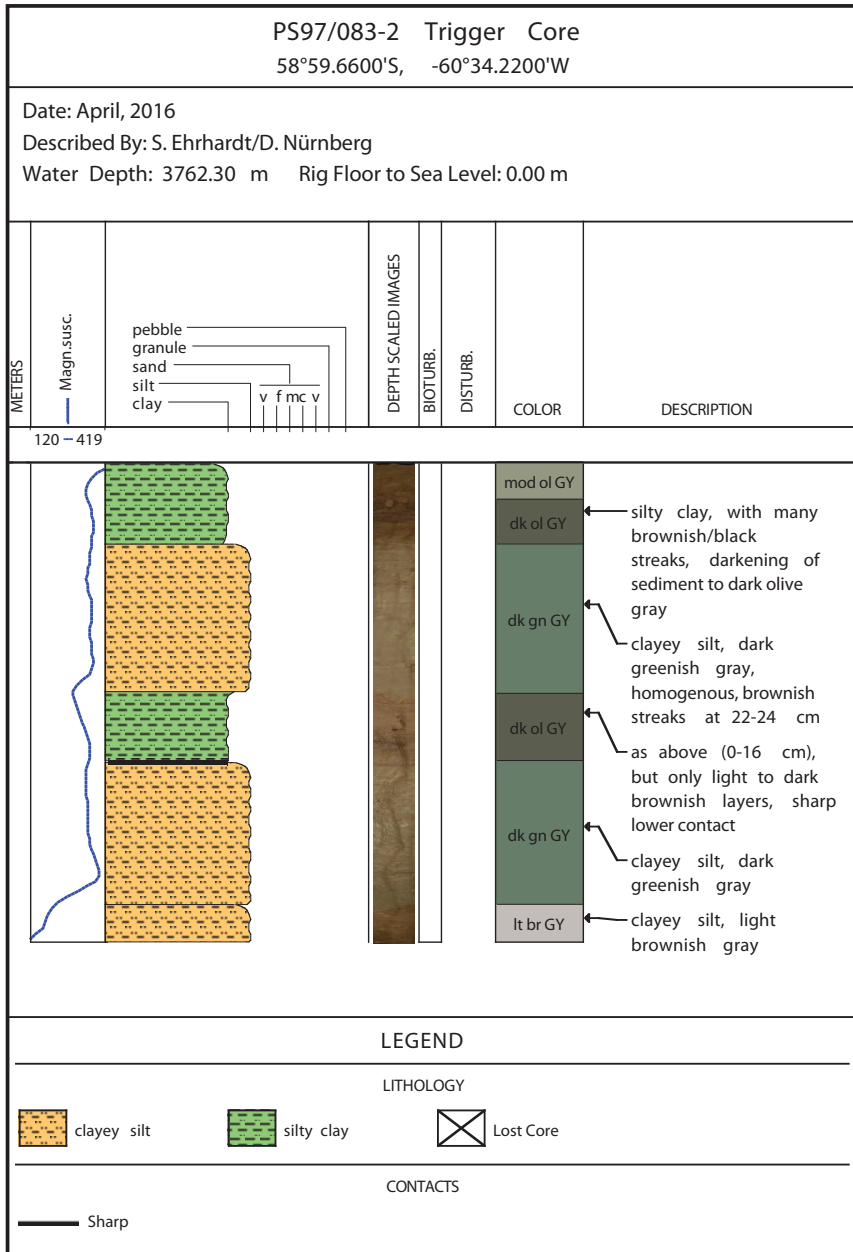
Appendix A.6 Core Descriptions



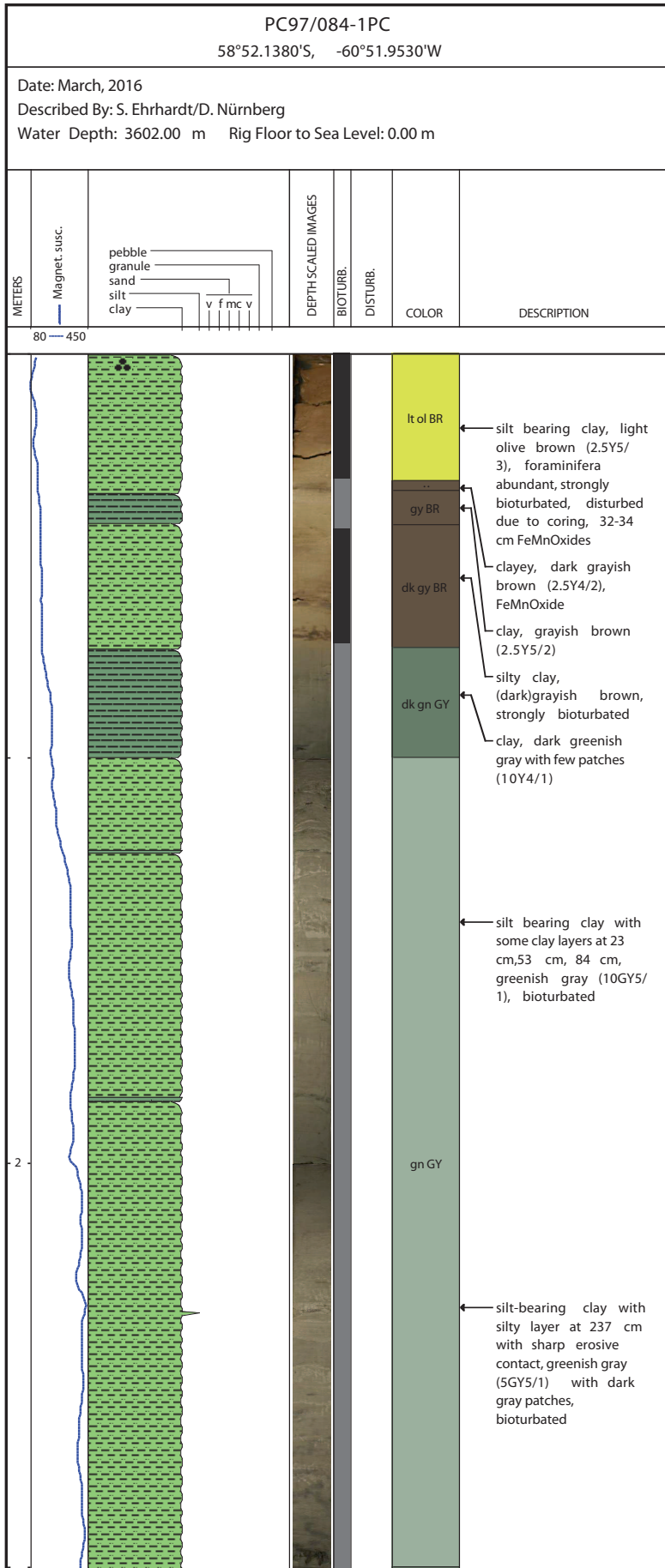
Appendix A.6 Core Descriptions

CONTACTS	
	Sharp
LITHOLOGIC ACCESSORIES	
	Pebbles/Granules
BIOTURBATION INDEX	
	6 Complete
	5 Intense
	4 Abundant
	3 Moderate
	2 Low
	1 Sparse
	0 Barren

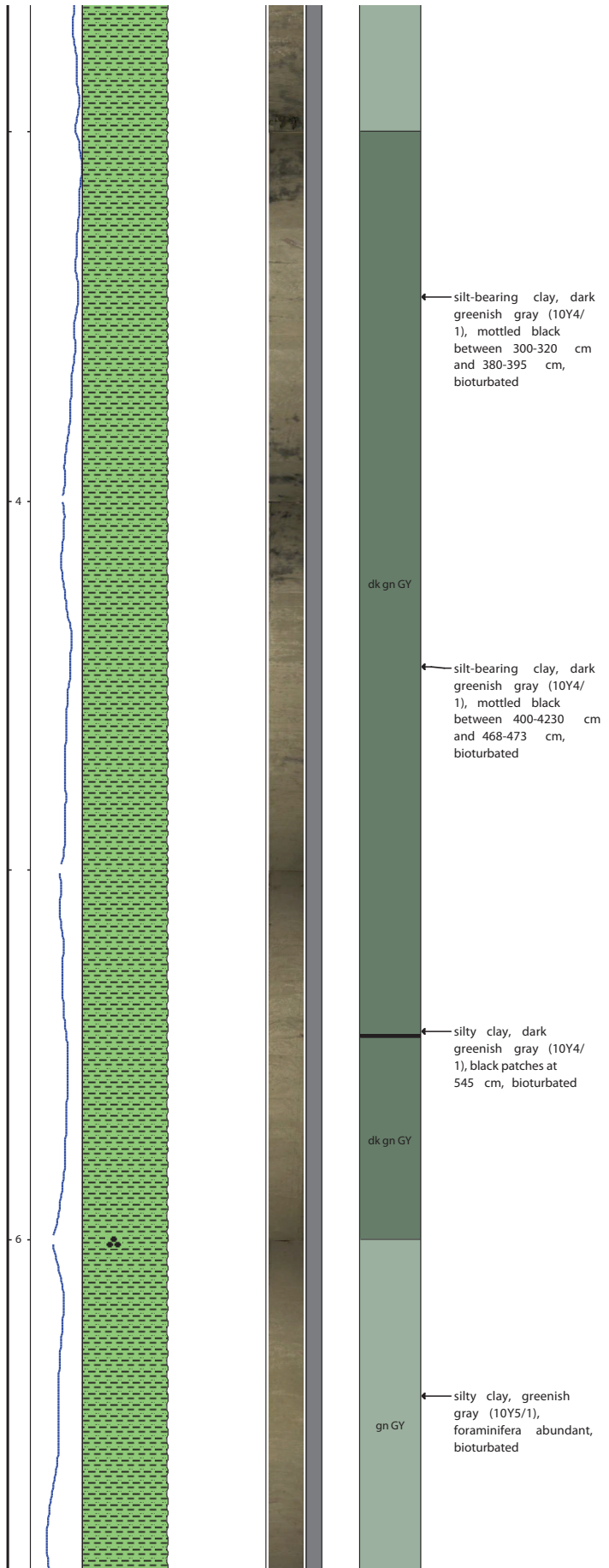
Appendix A.6 Core Descriptions



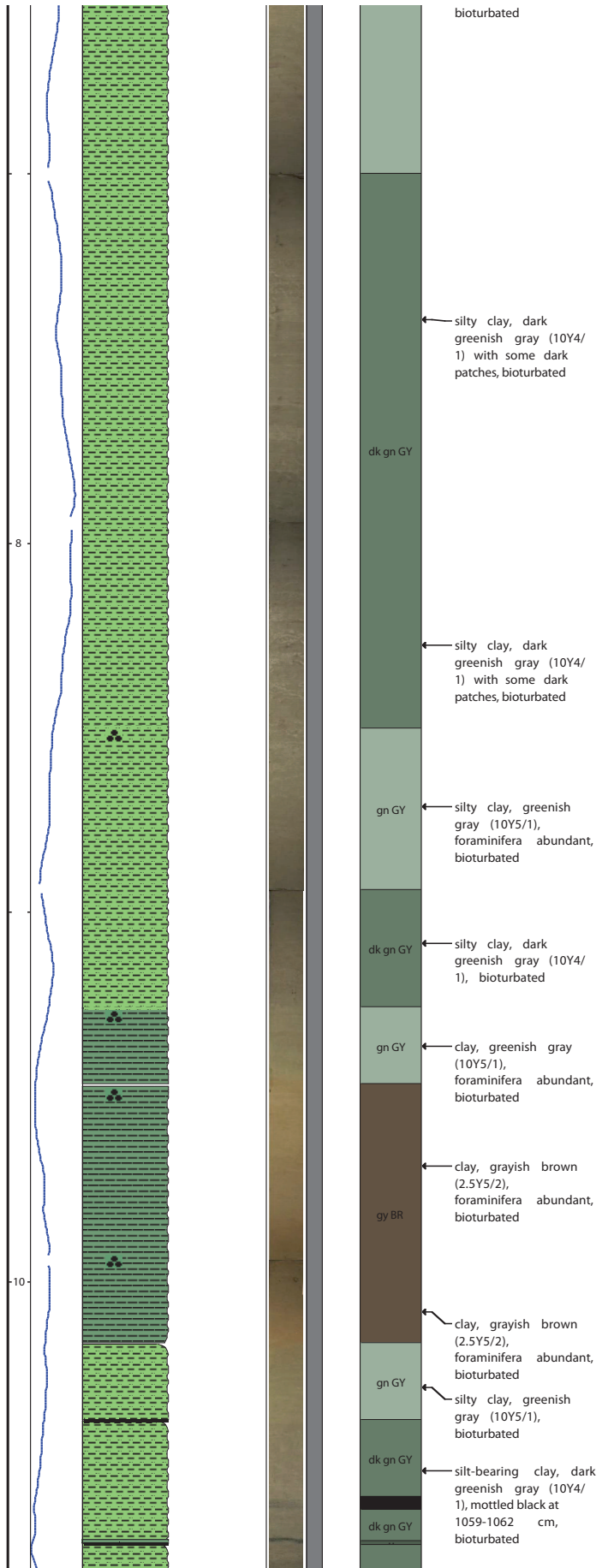
Appendix A.6 Core Descriptions



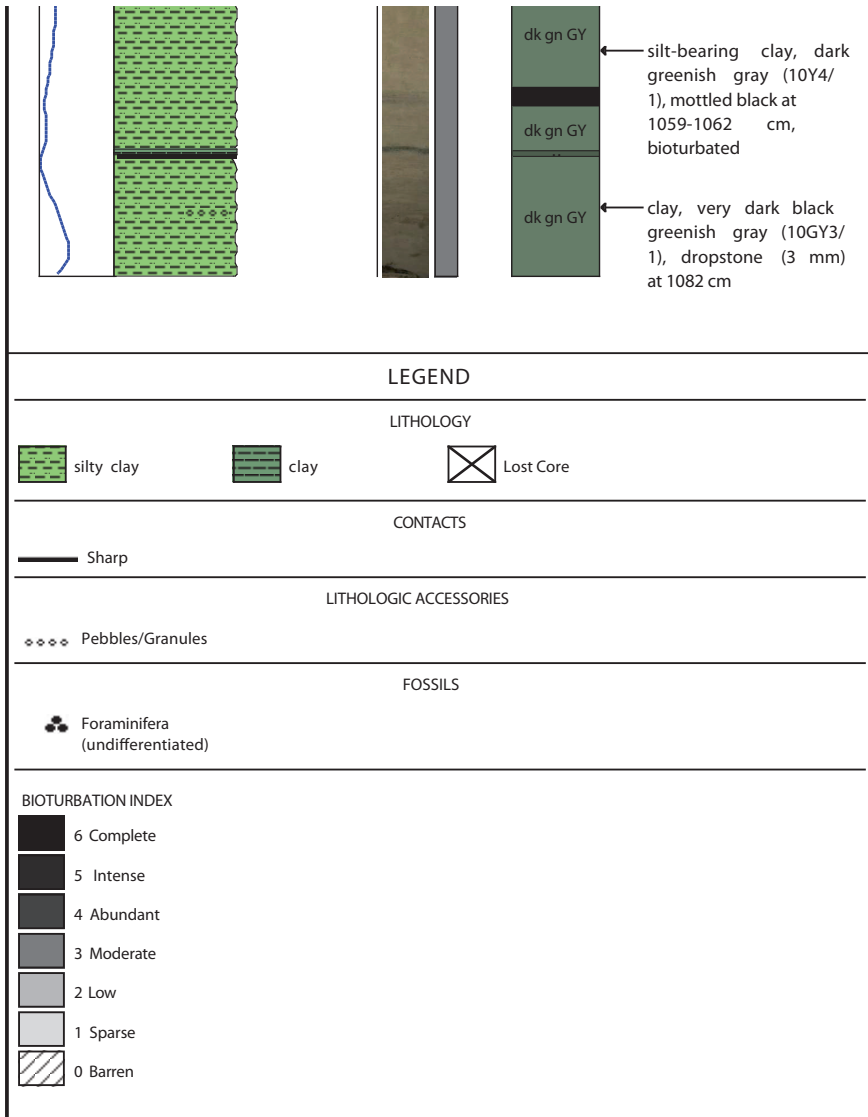
Appendix A.6 Core Descriptions



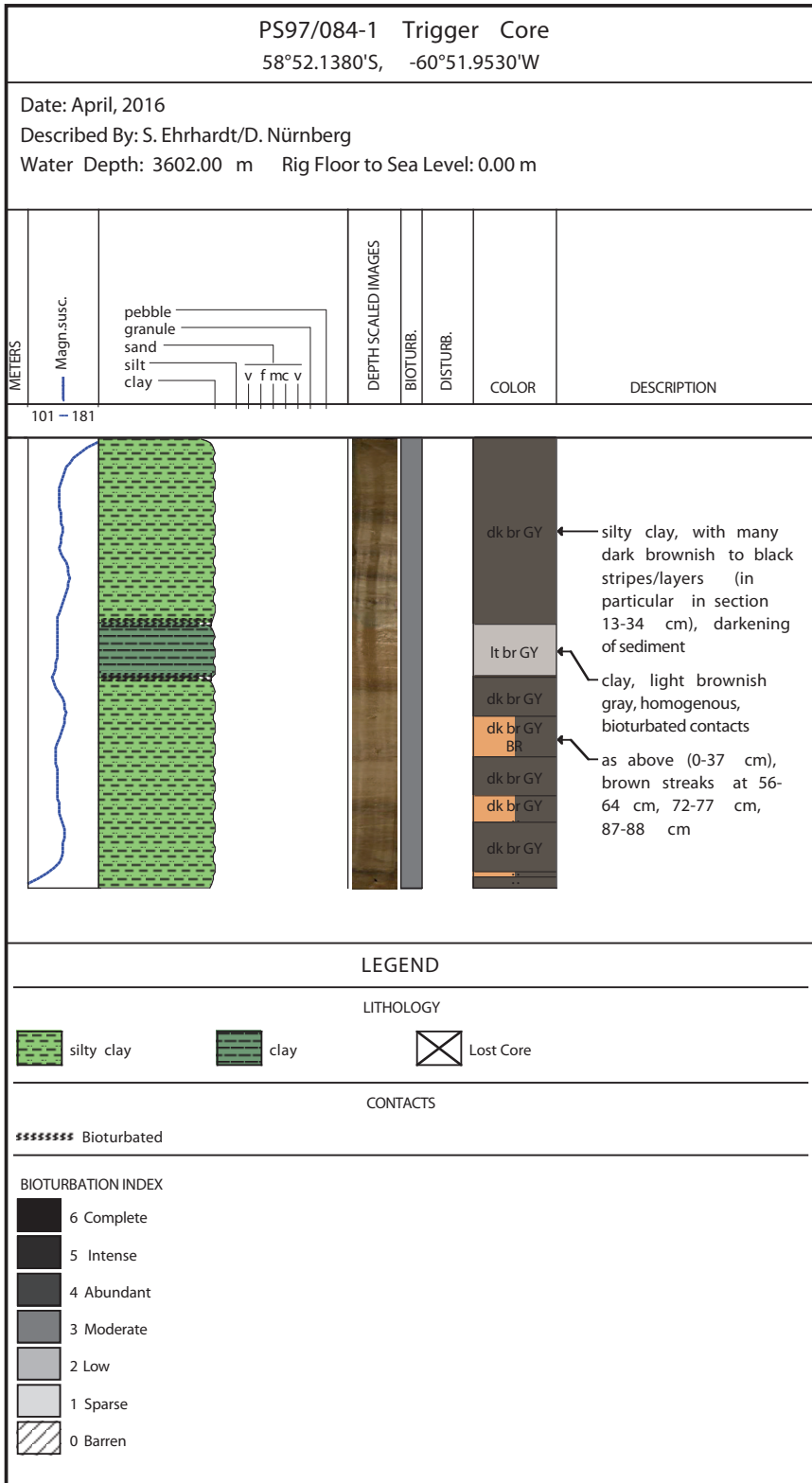
Appendix A.6 Core Descriptions



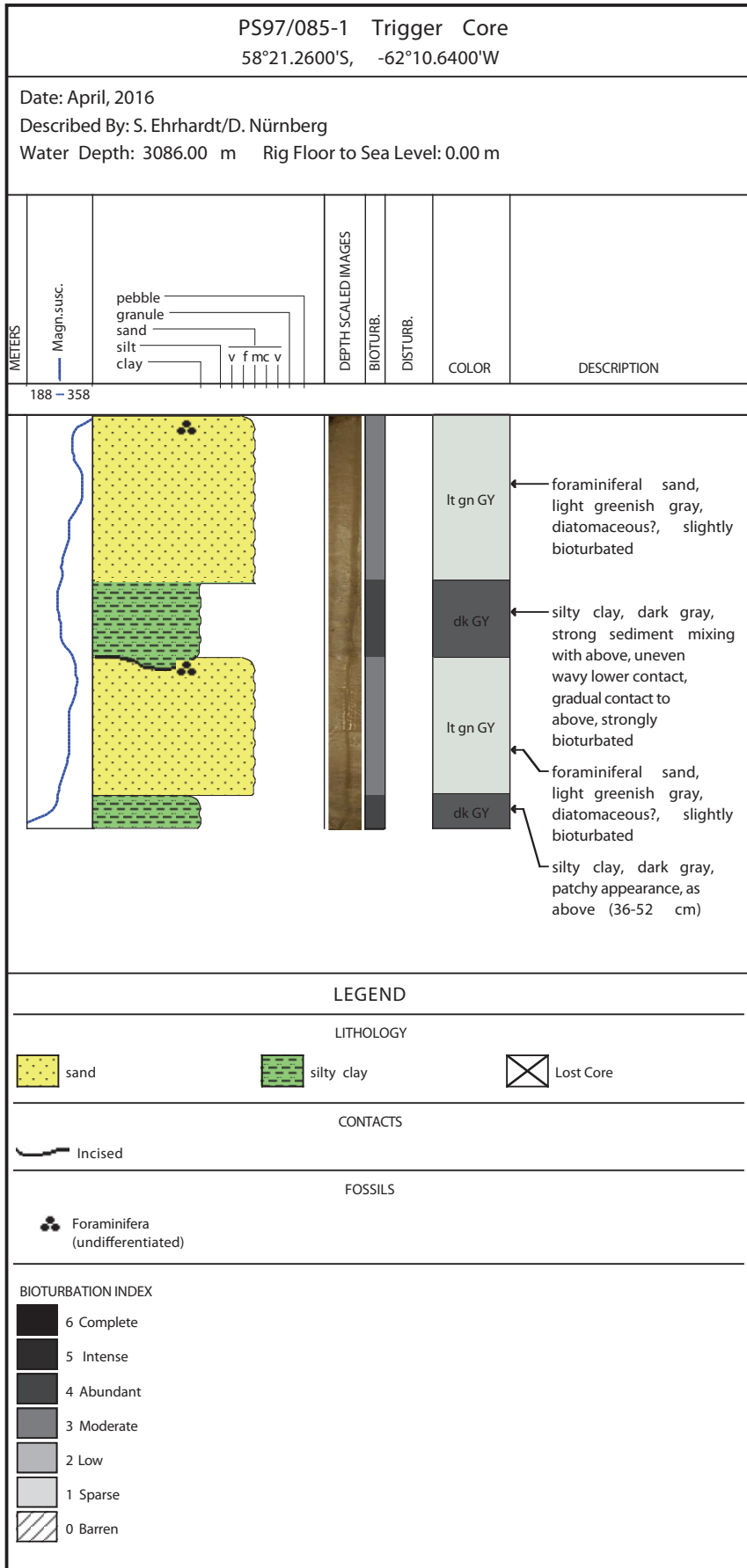
Appendix A.6 Core Descriptions



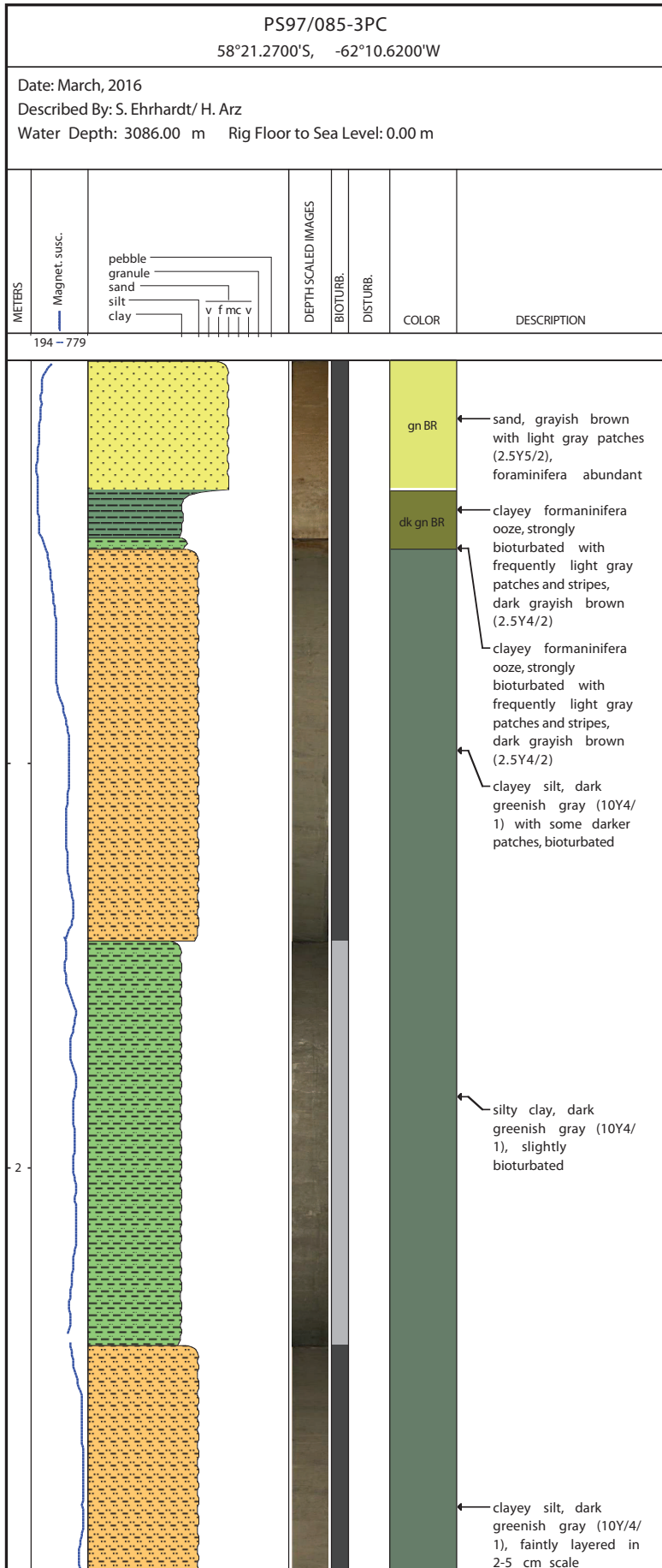
Appendix A.6 Core Descriptions



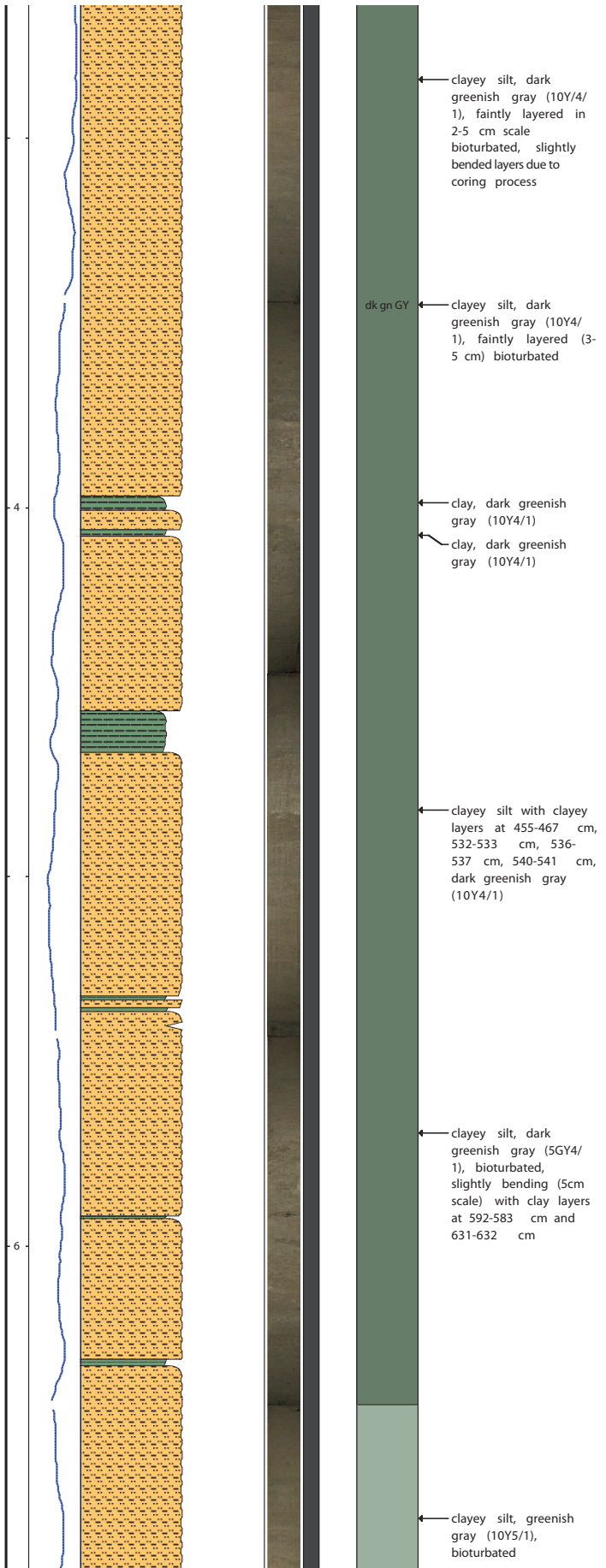
Appendix A.6 Core Descriptions



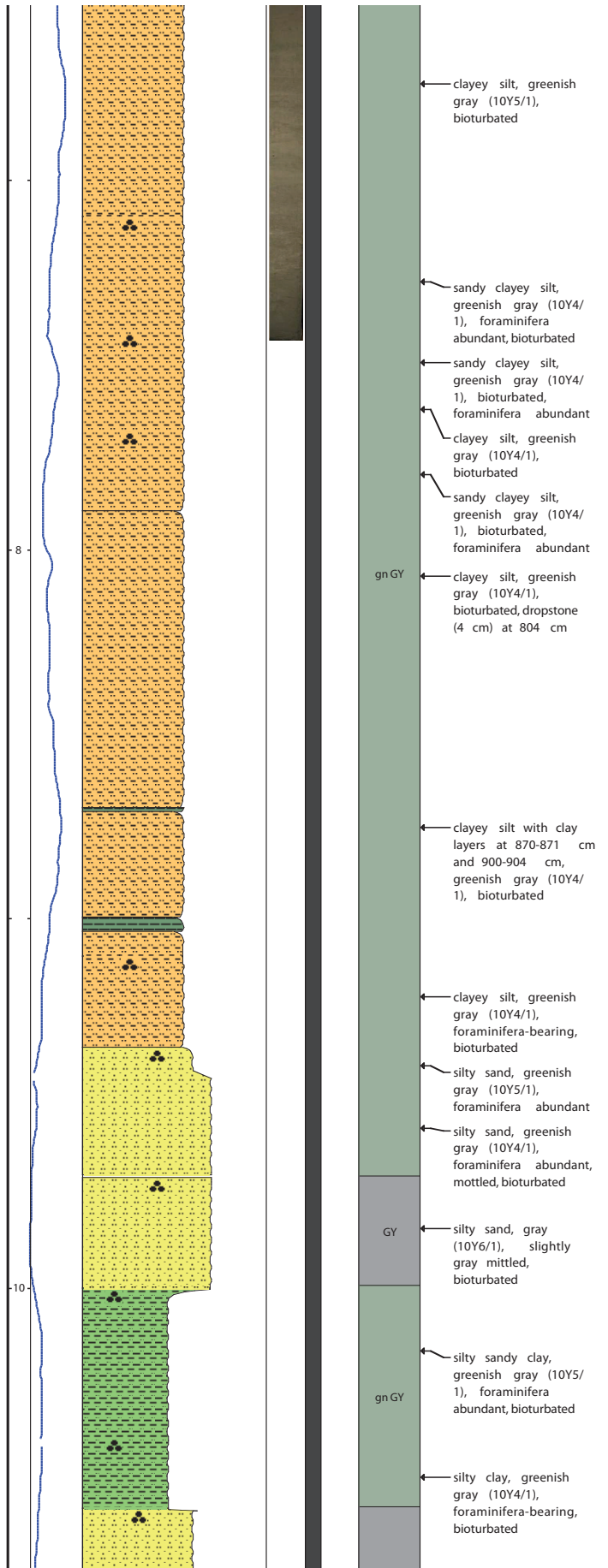
Appendix A.6 Core Descriptions



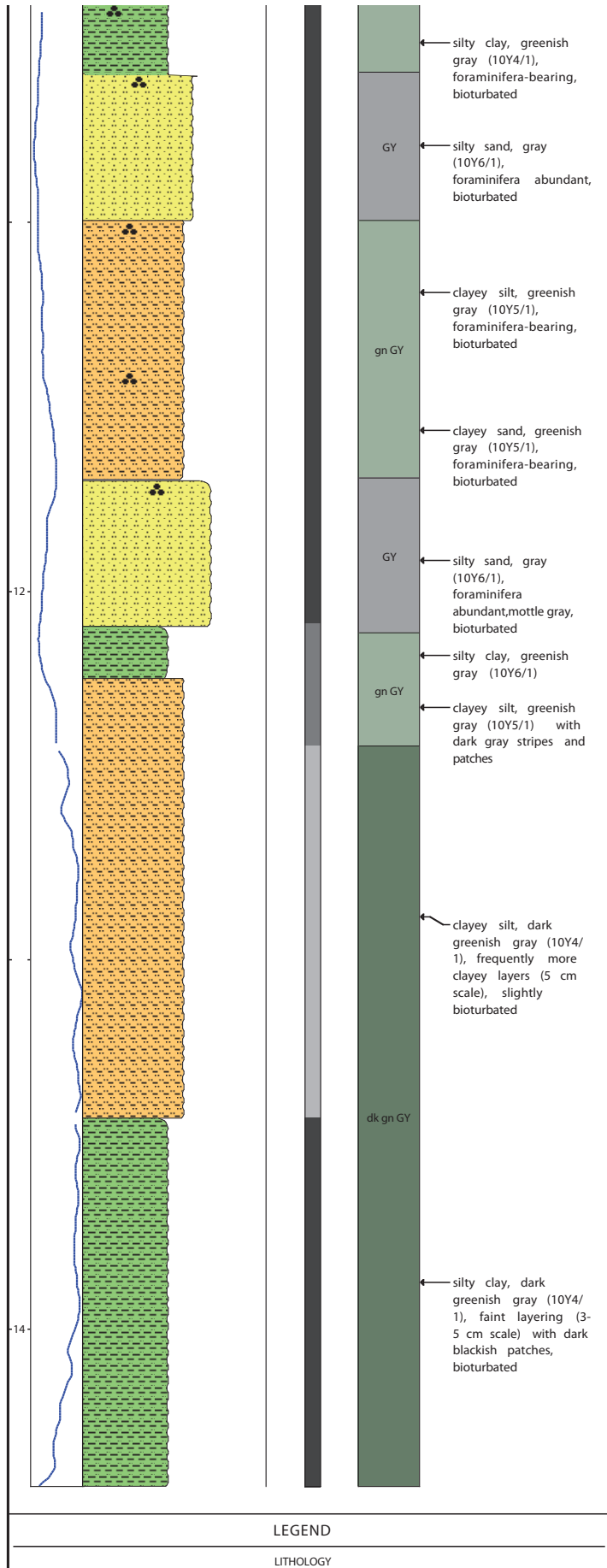
Appendix A.6 Core Descriptions



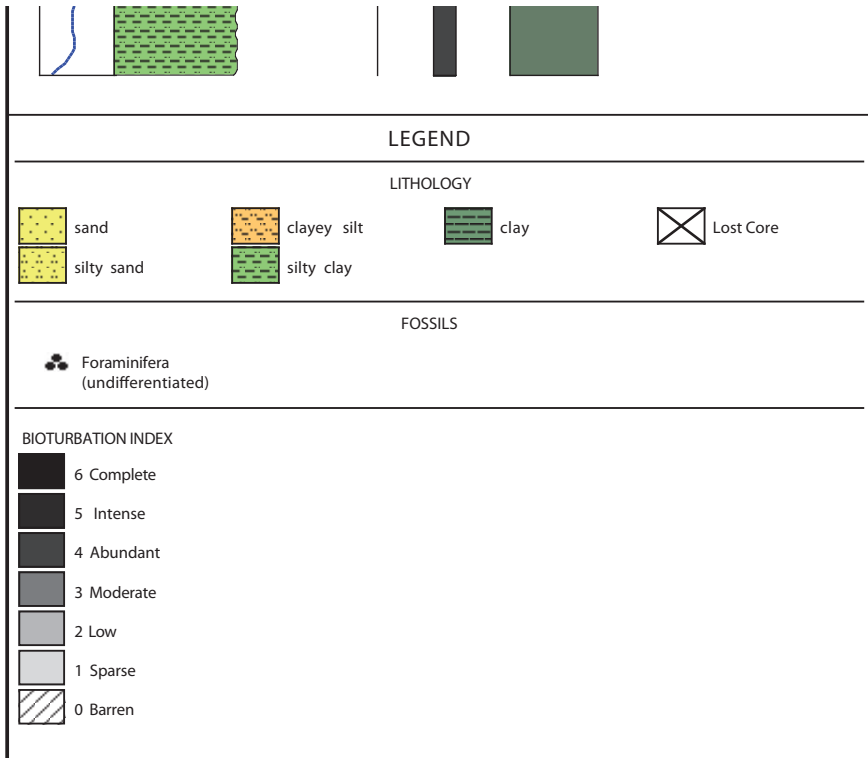
Appendix A.6 Core Descriptions



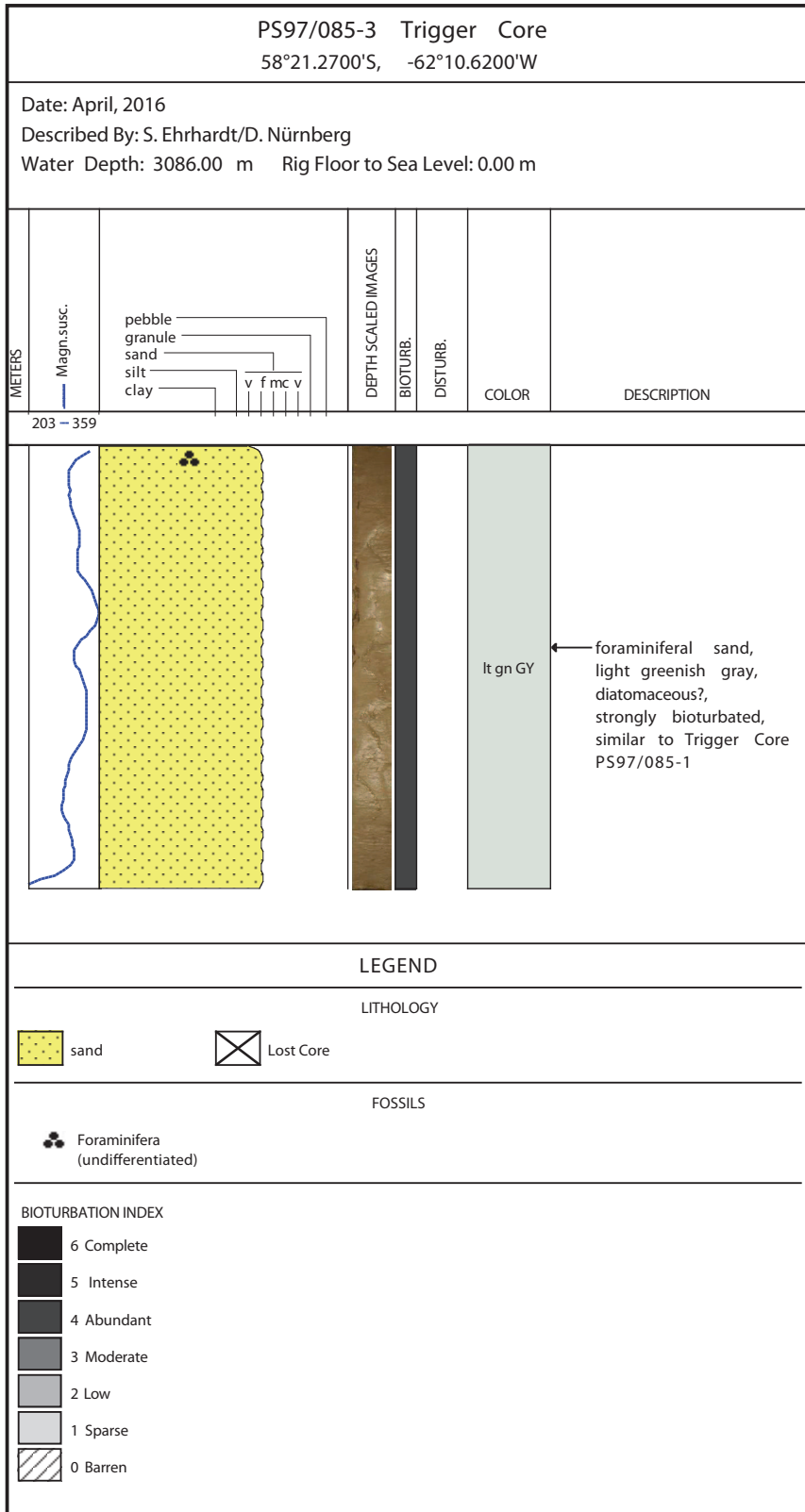
Appendix A.6 Core Descriptions



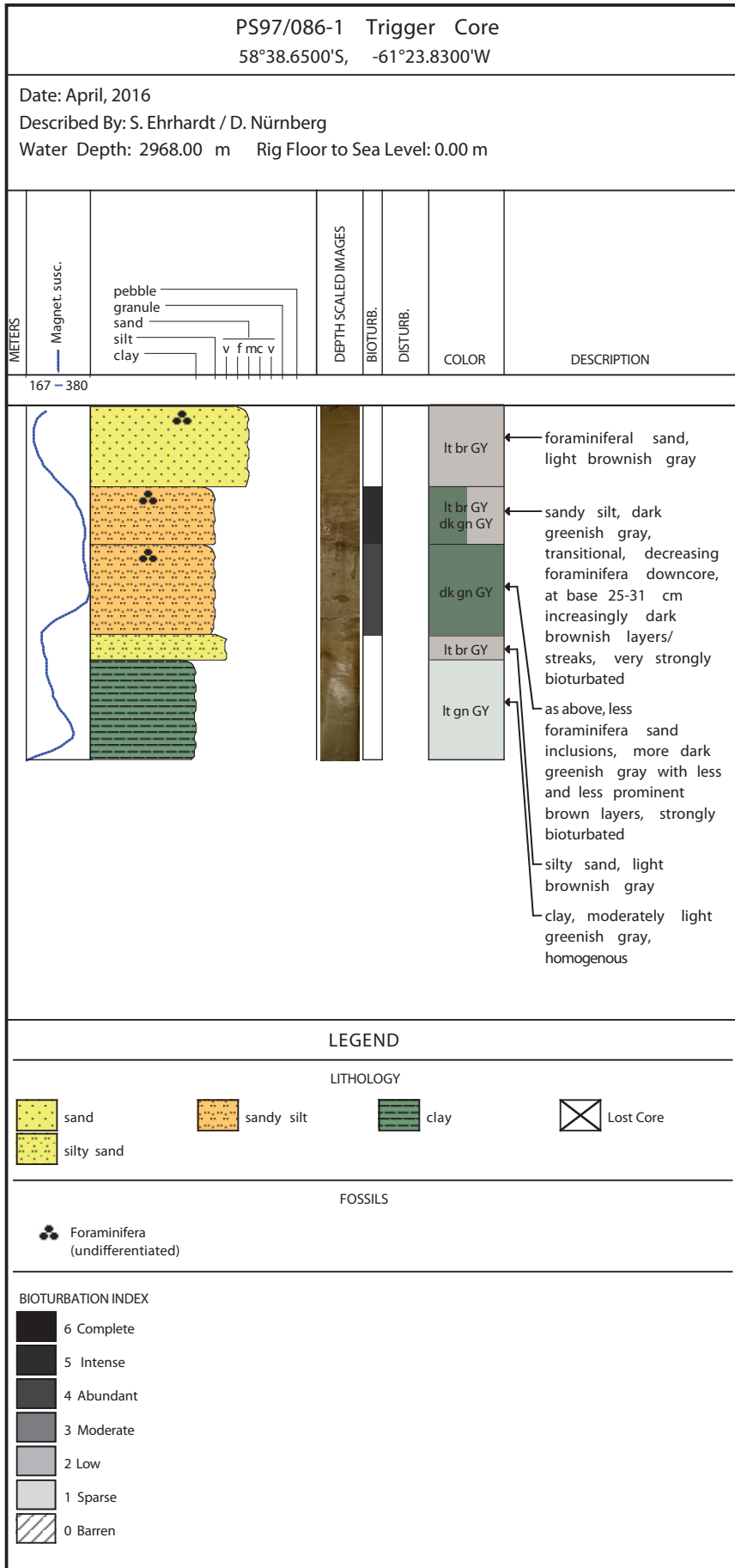
Appendix A.6 Core Descriptions



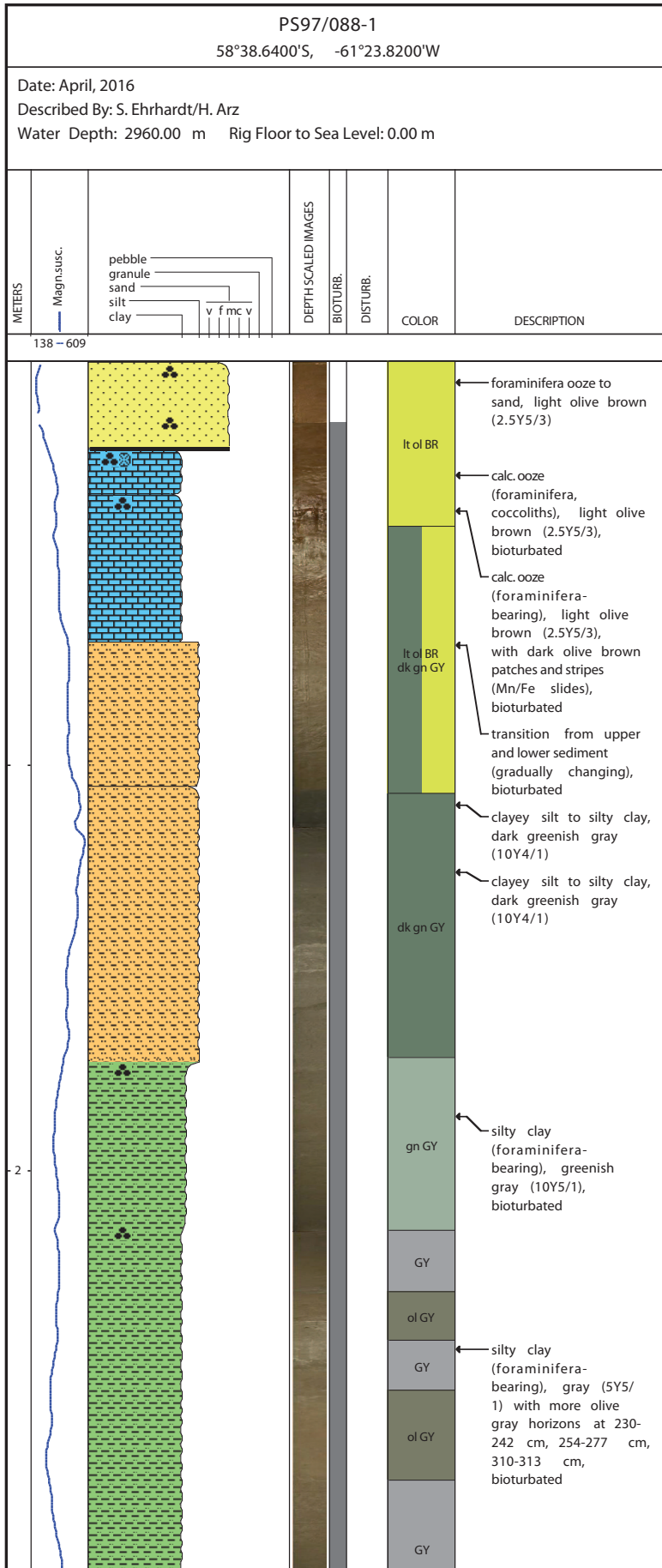
Appendix A.6 Core Descriptions



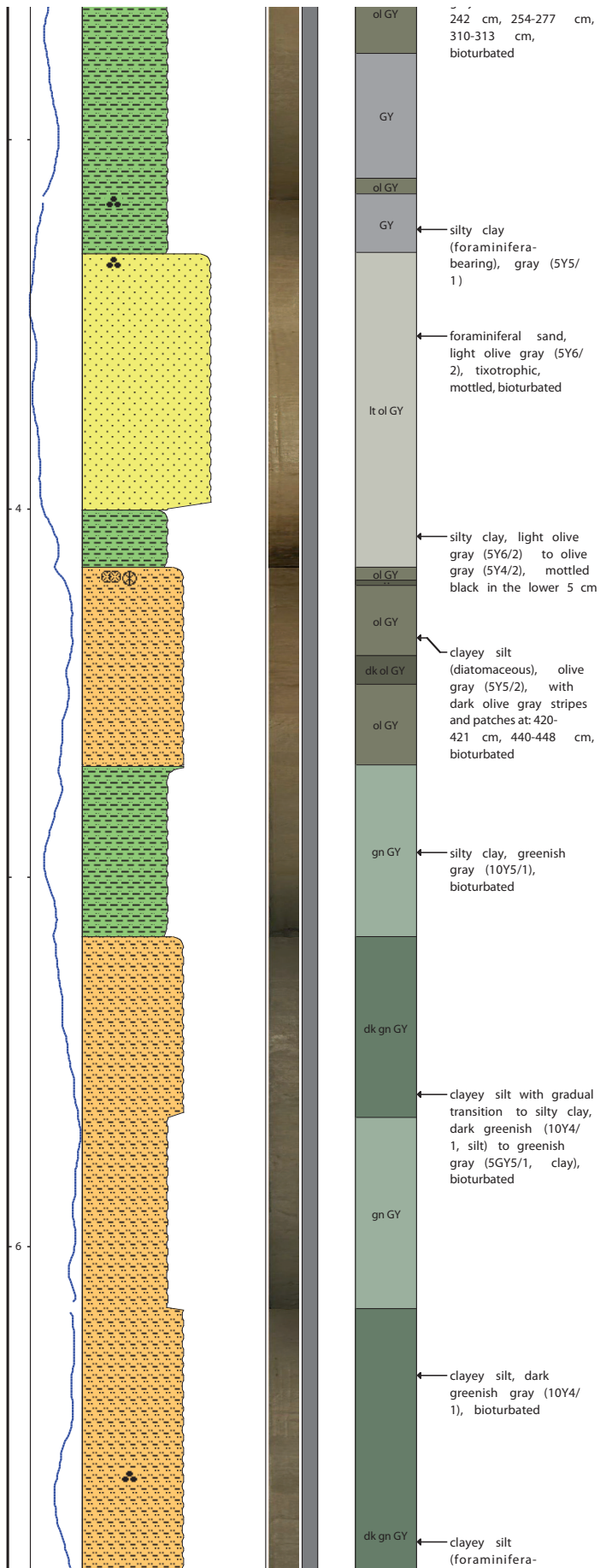
Appendix A.6 Core Descriptions



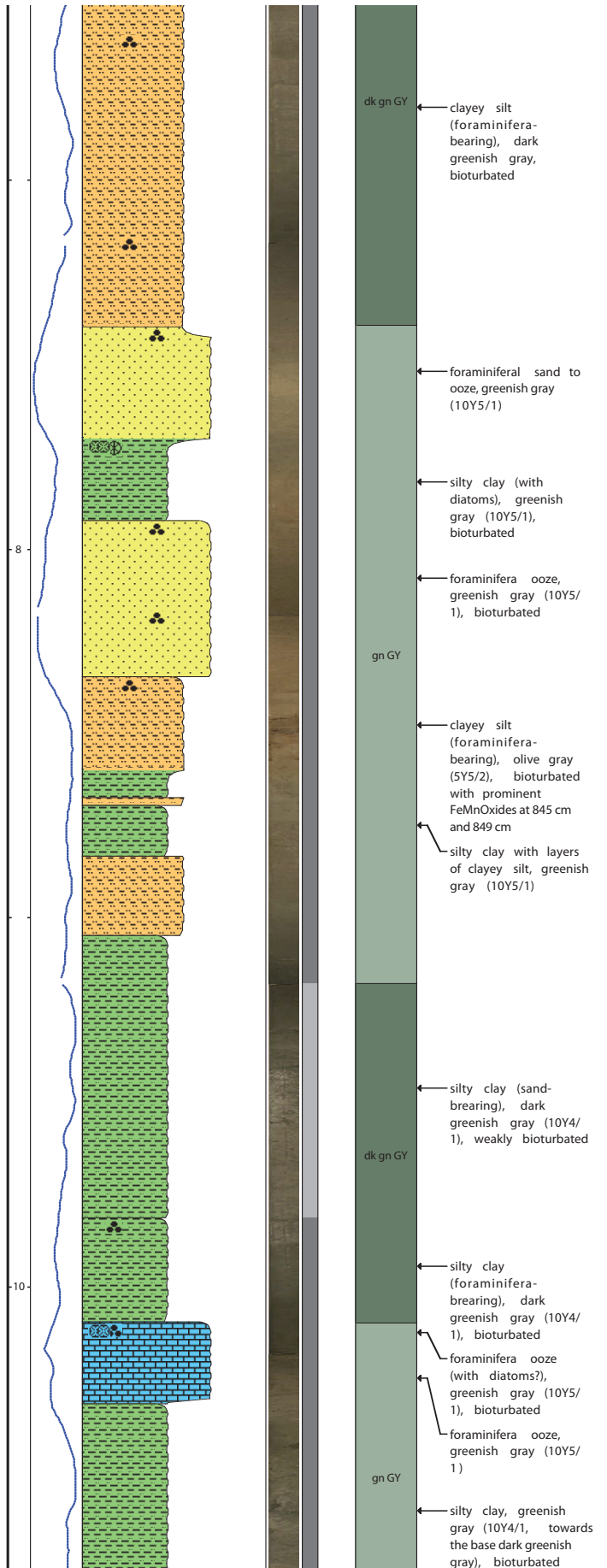
Appendix A.6 Core Descriptions



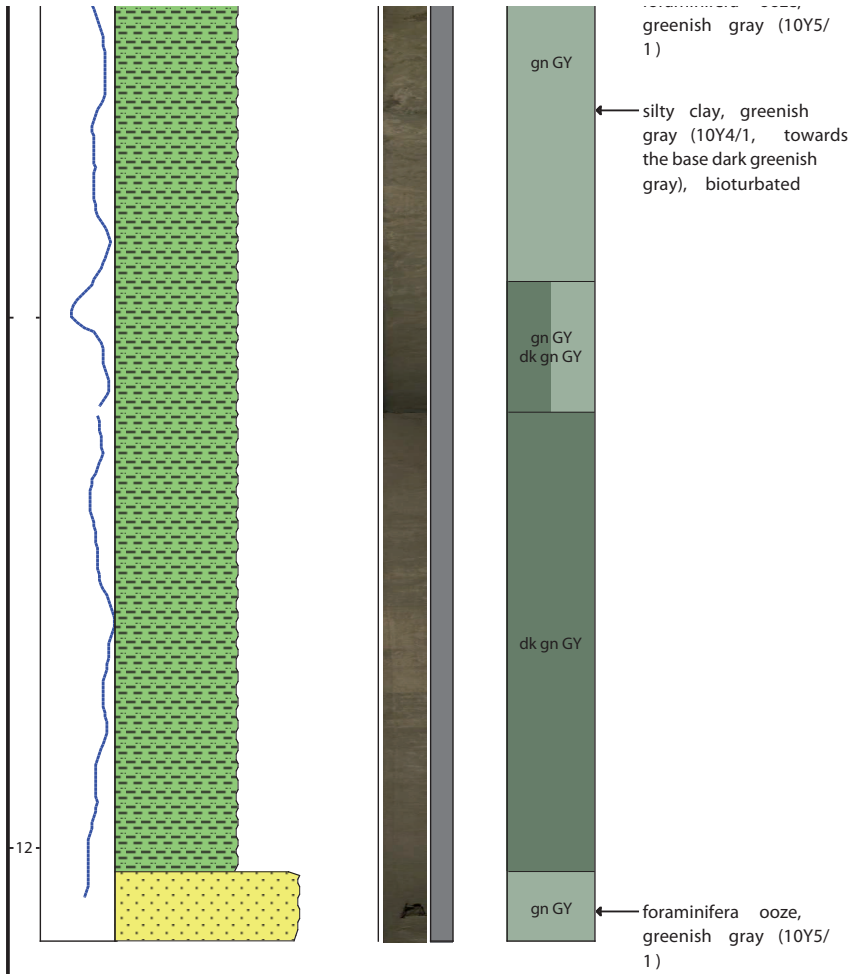
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



LEGEND

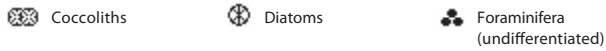
LITHOLOGY



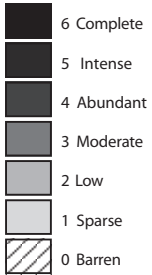
CONTACTS



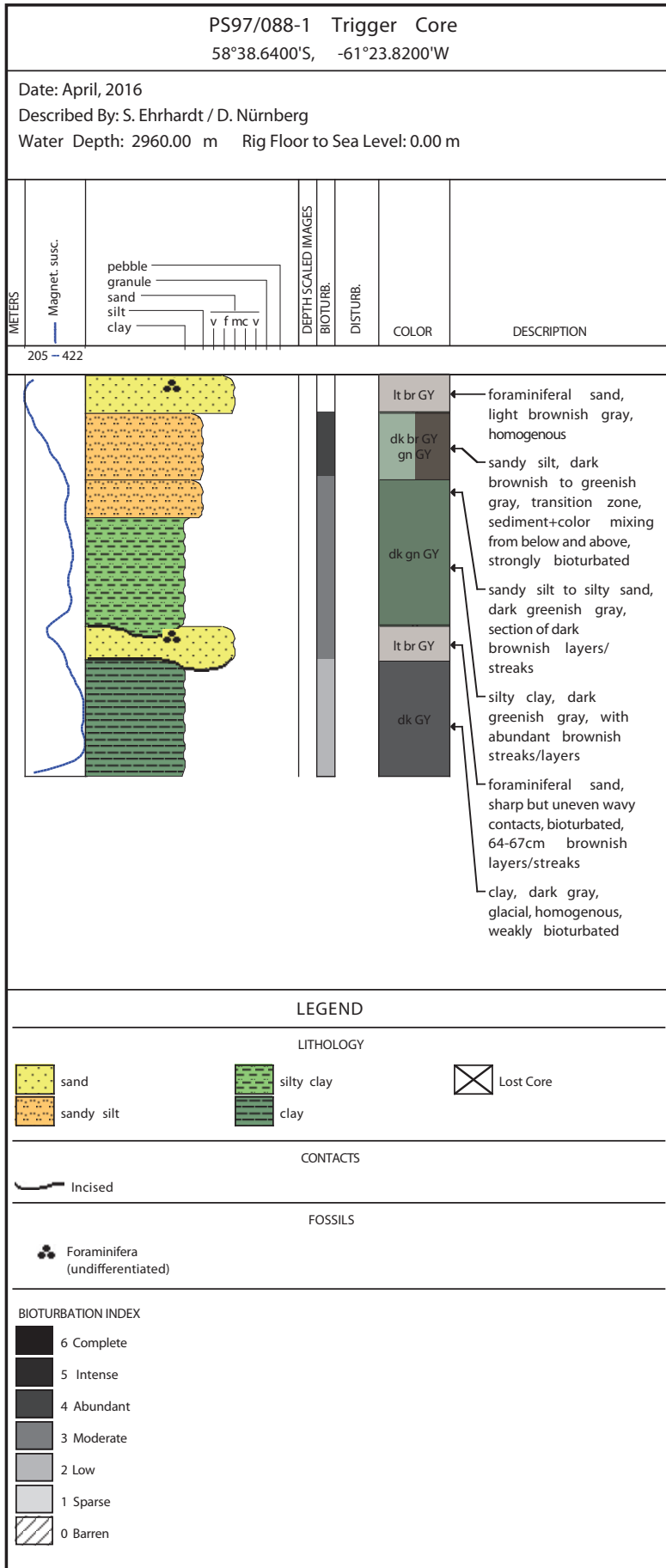
FOSSILS



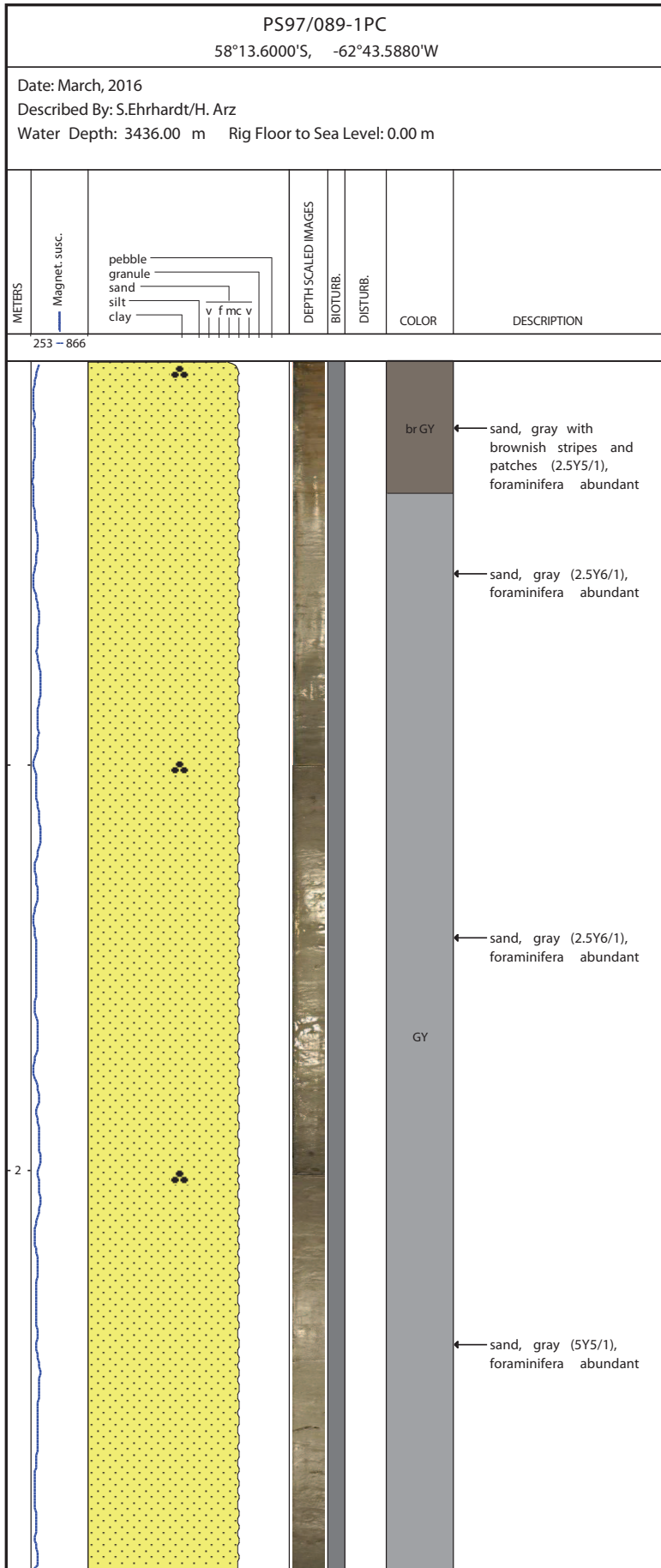
BIOTURBATION INDEX



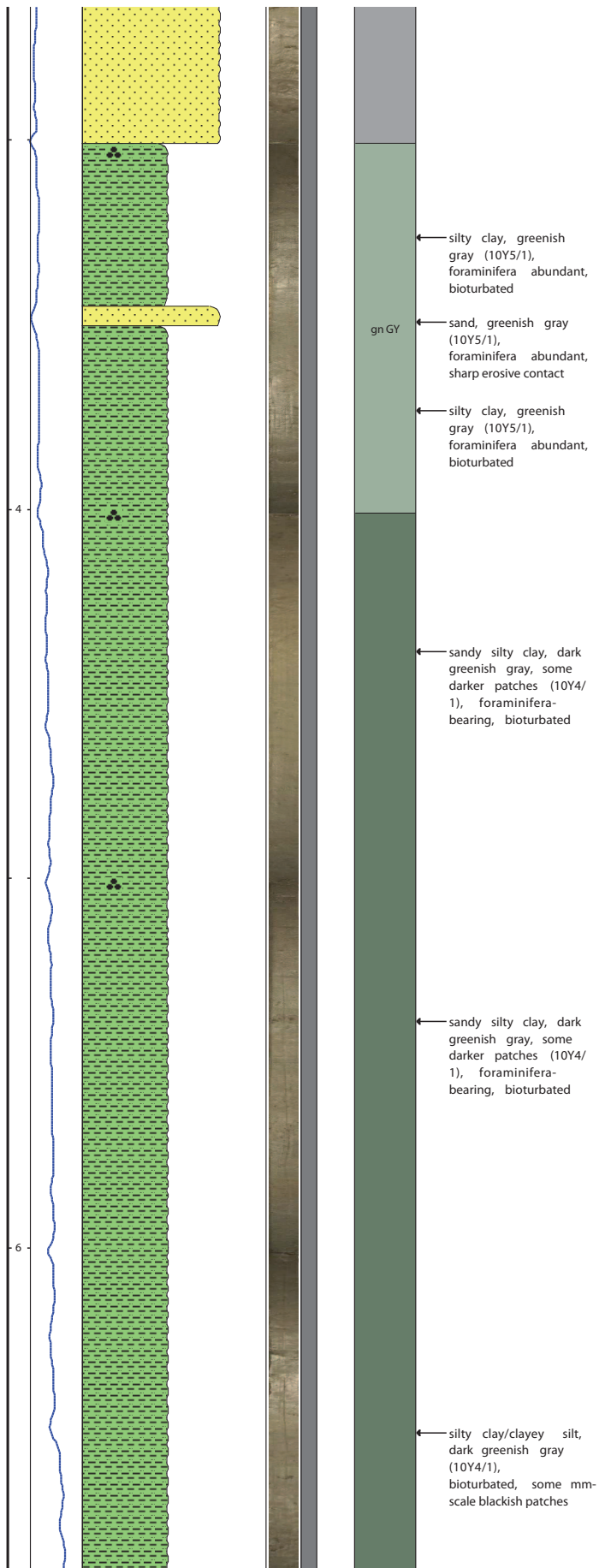
Appendix A.6 Core Descriptions



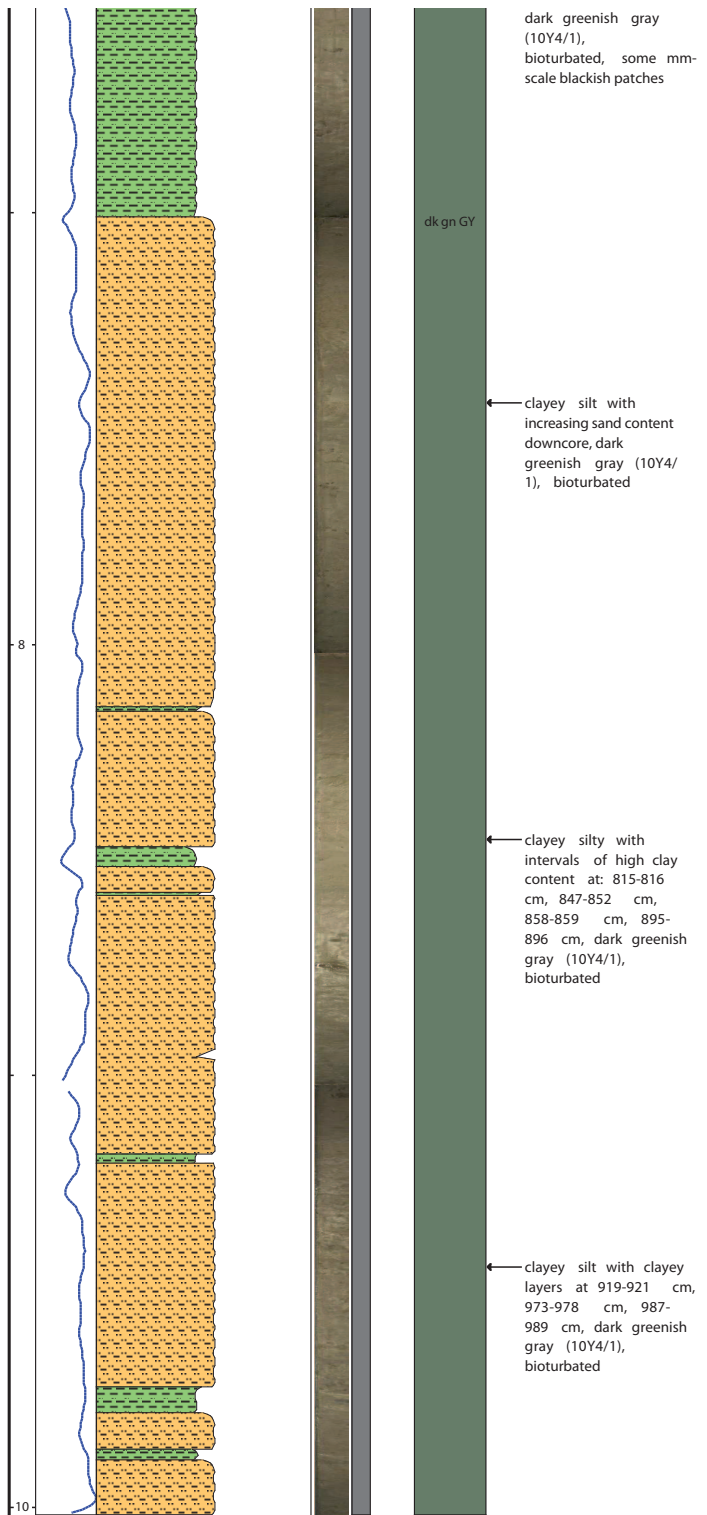
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



LEGEND

LITHOLOGY

- sand
- clayey silt
- silty clay
- Lost Core

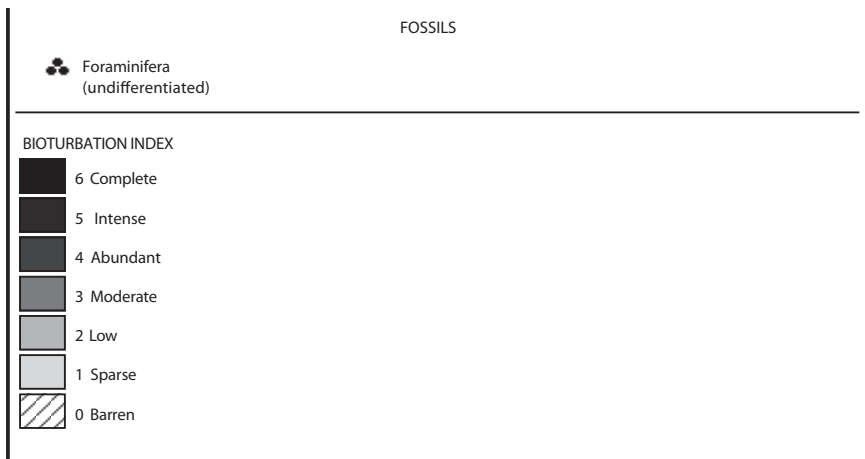
FOSSILS

- Foraminifera (undifferentiated)

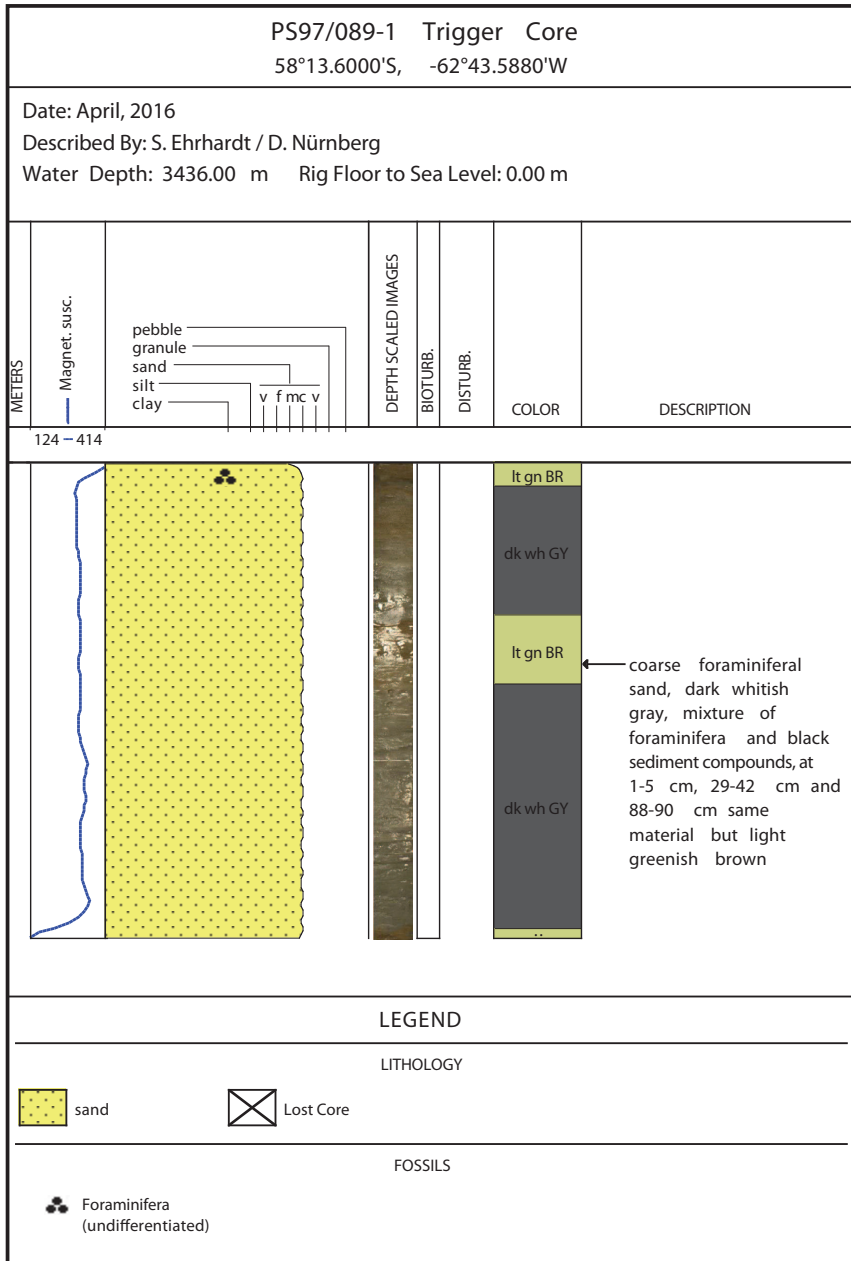
BIOTURBATION INDEX

- 6 Complete

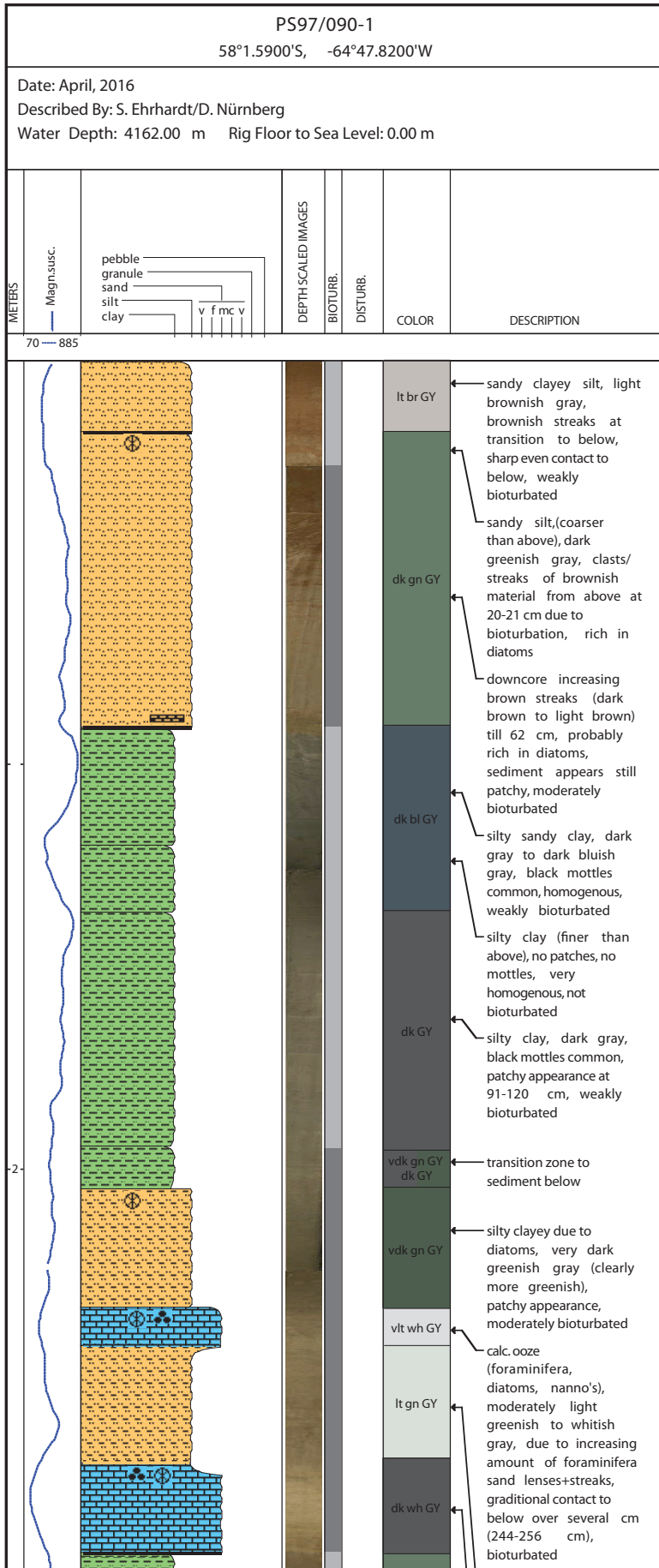
Appendix A.6 Core Descriptions



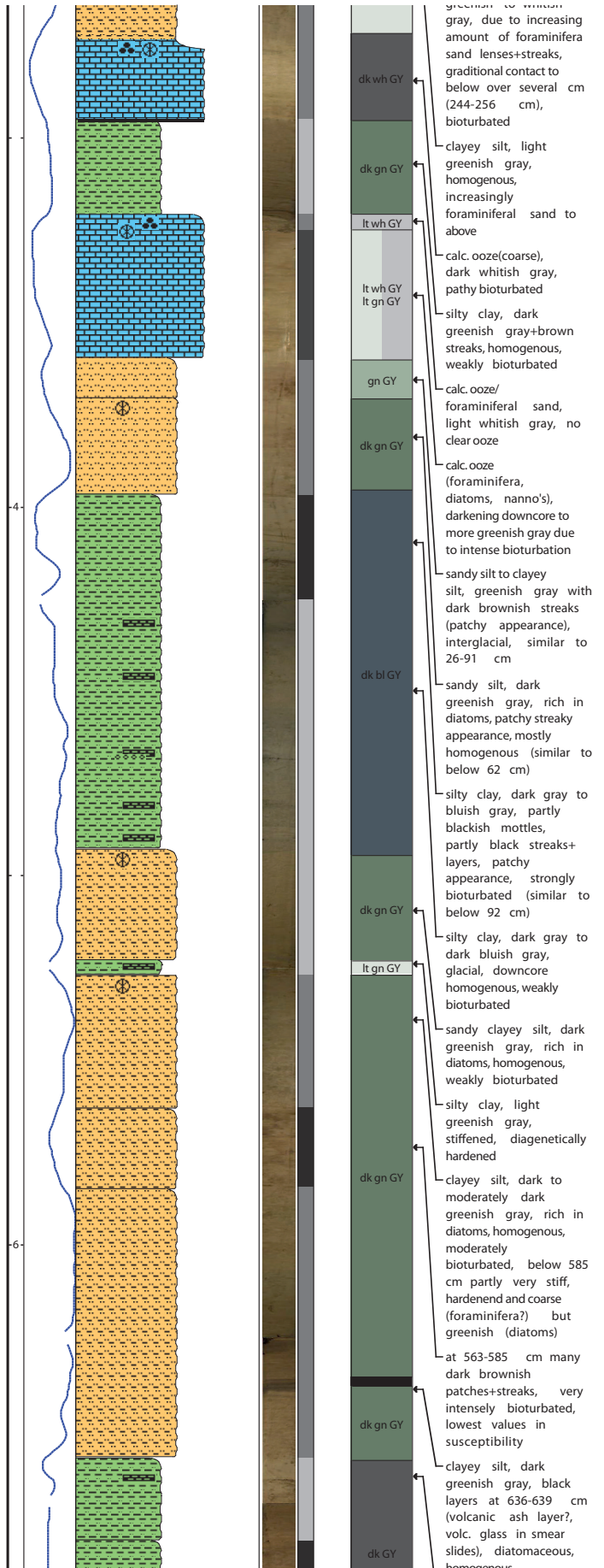
Appendix A.6 Core Descriptions



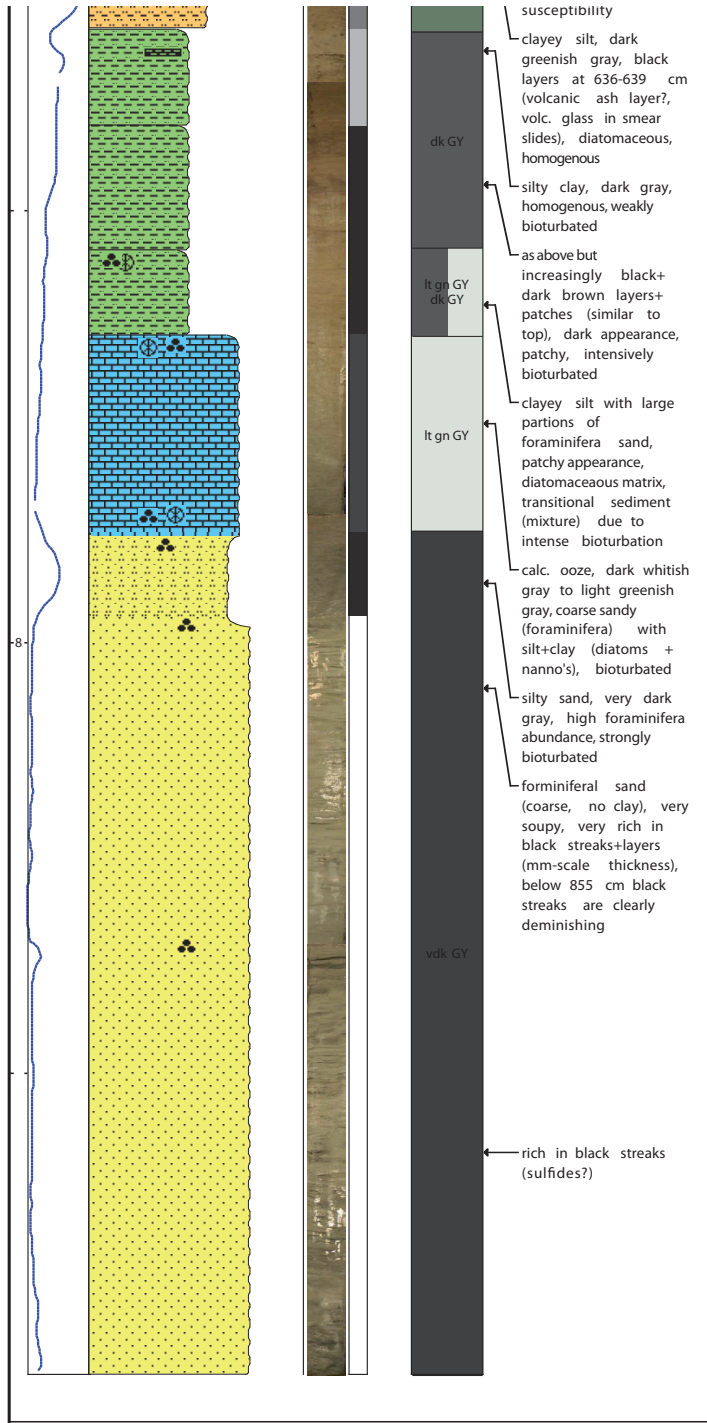
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



LEGEND

LITHOLOGY

sand	sandy silt	silty clay	Lost Core
silty sand	clayey silt	Biogen. Ooze	

CONTACTS

Sharp

LITHOLOGIC ACCESSORIES

Pebbles/Granules

Diagenet. altered horizon

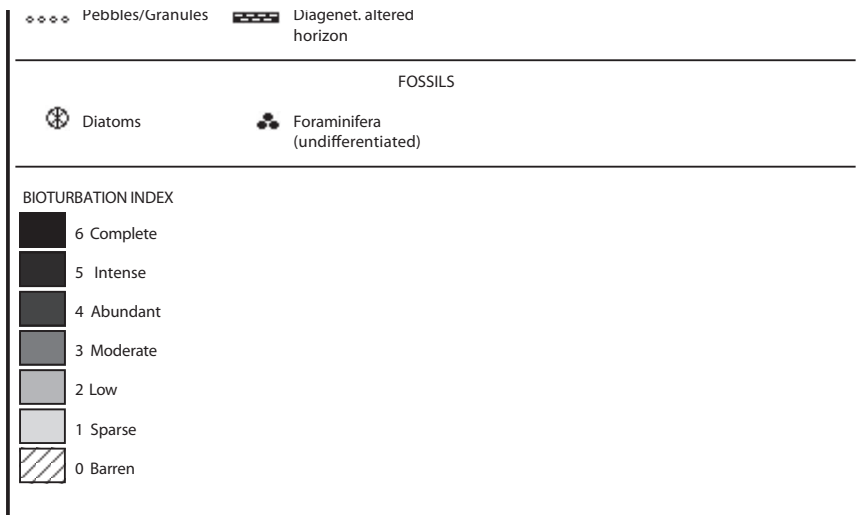
FOSSILS

Diatoms

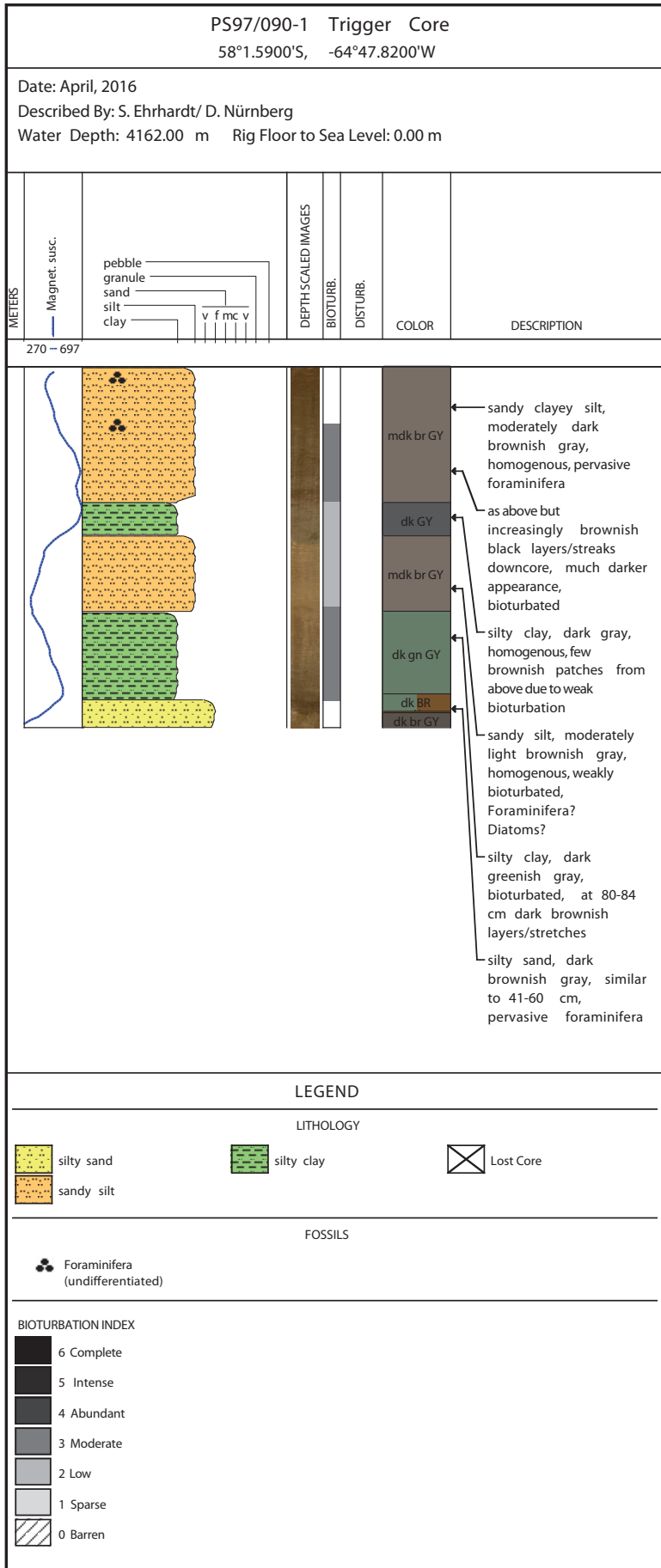
Foraminifera (undifferentiated)

RIOTLIRRATION INDEX

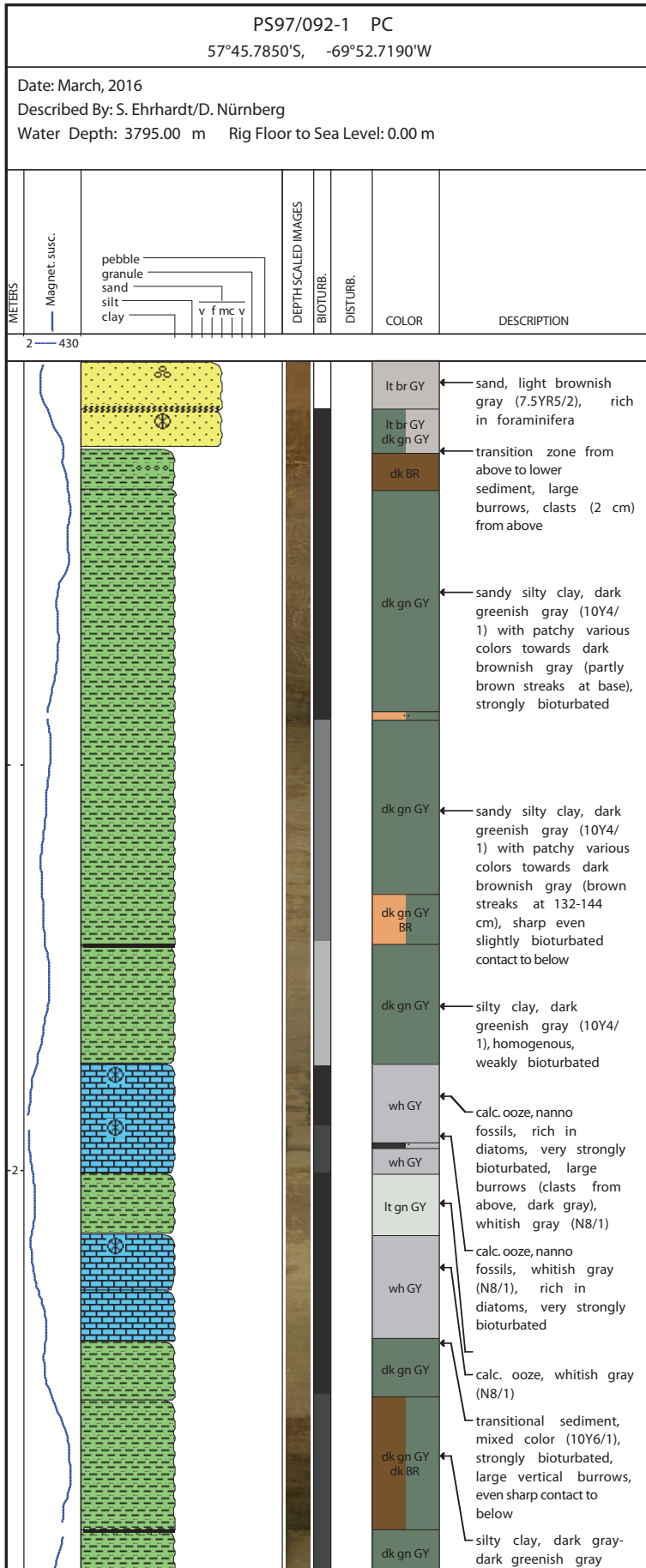
Appendix A.6 Core Descriptions



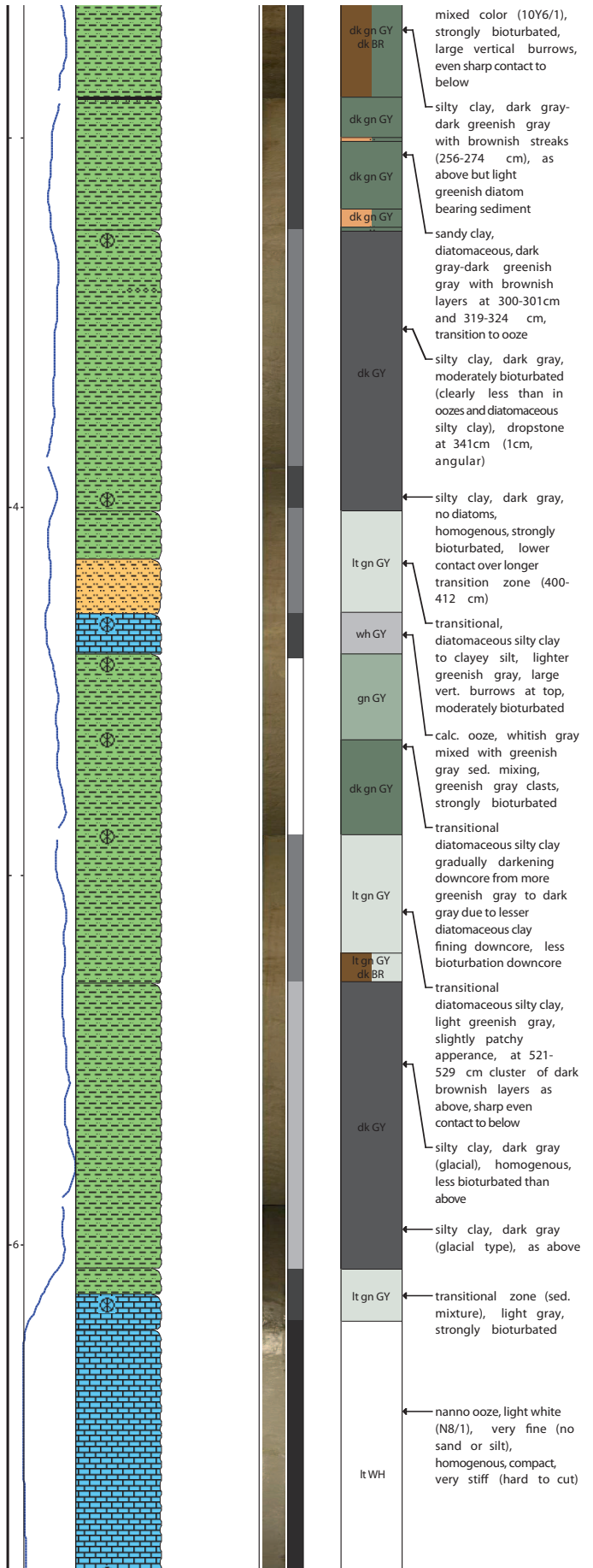
Appendix A.6 Core Descriptions



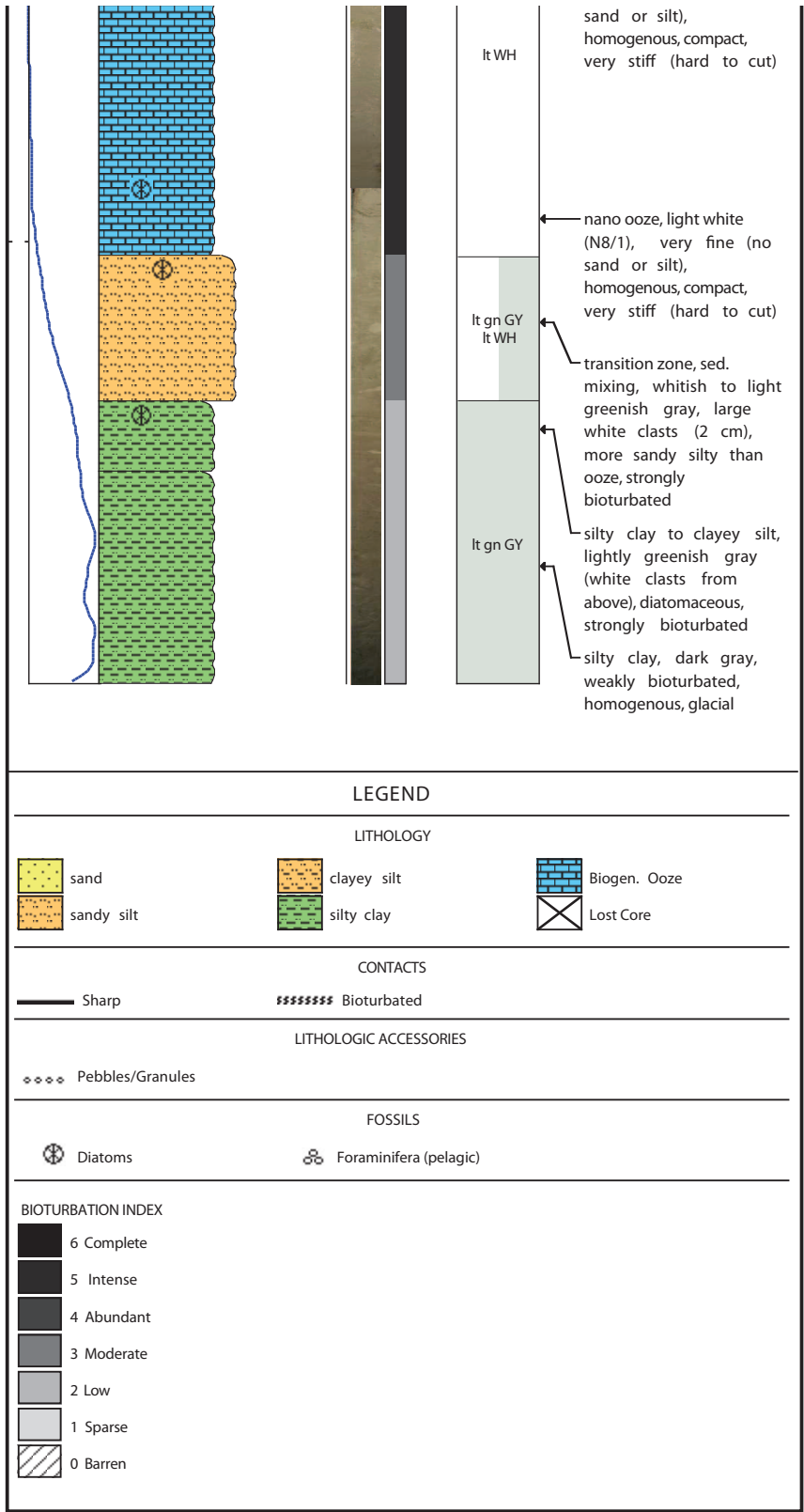
Appendix A.6 Core Descriptions



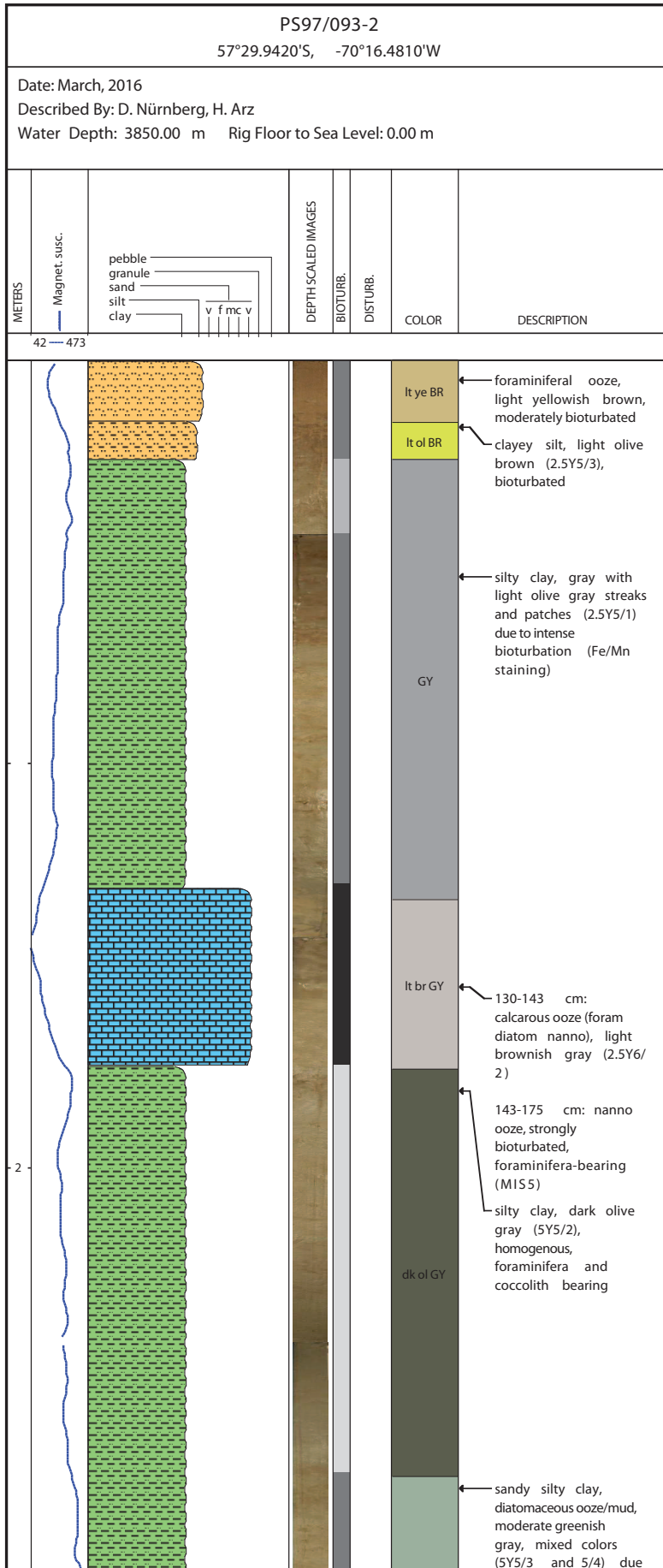
Appendix A.6 Core Descriptions



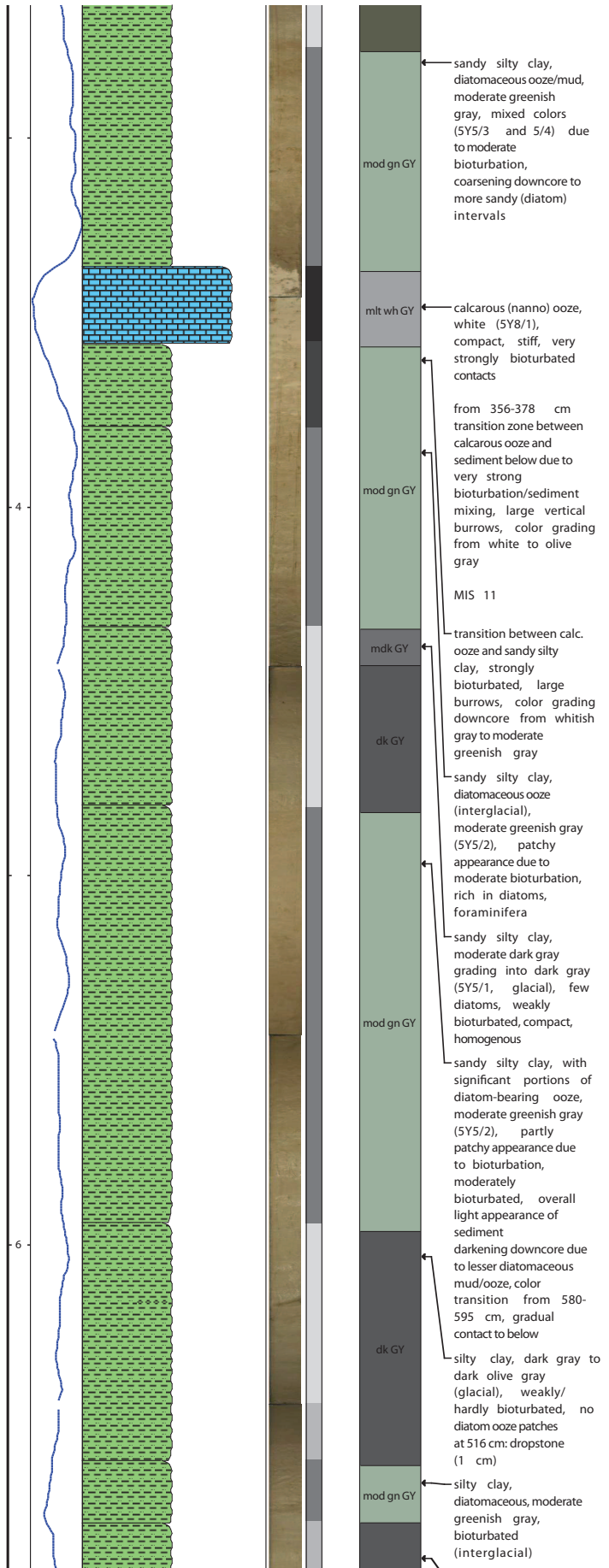
Appendix A.6 Core Descriptions



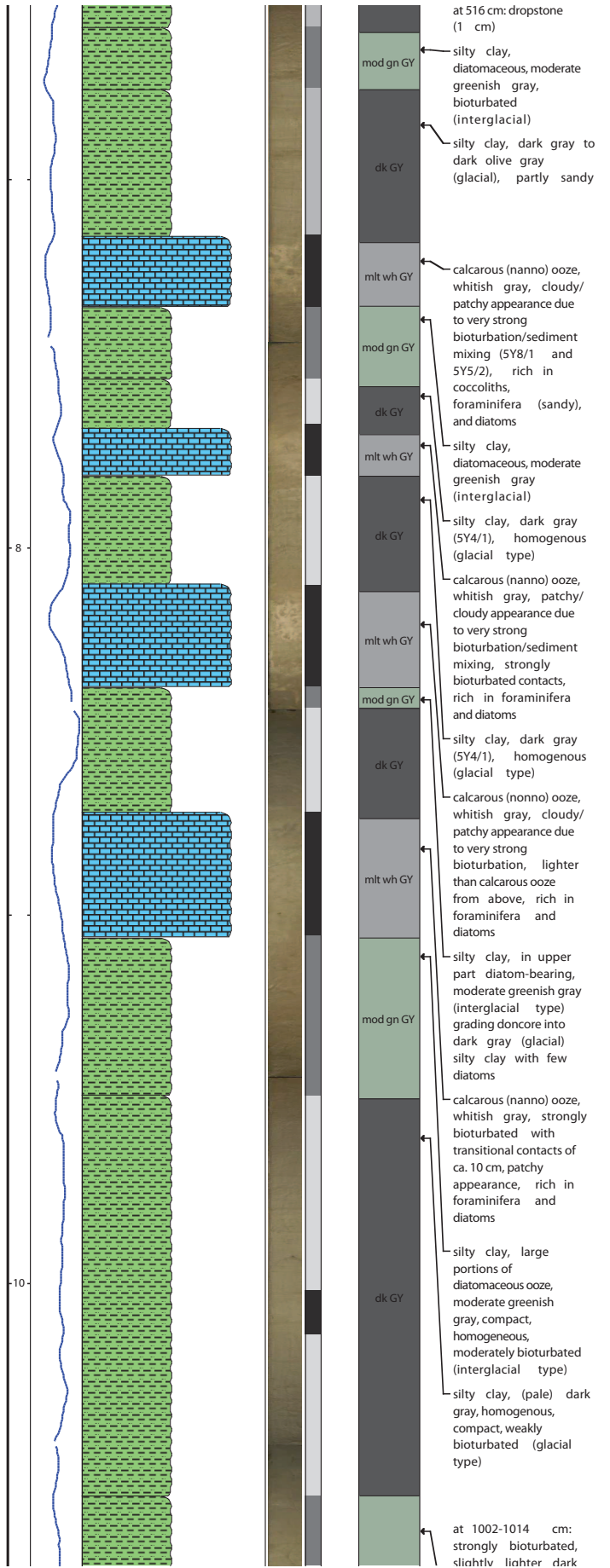
Appendix A.6 Core Descriptions



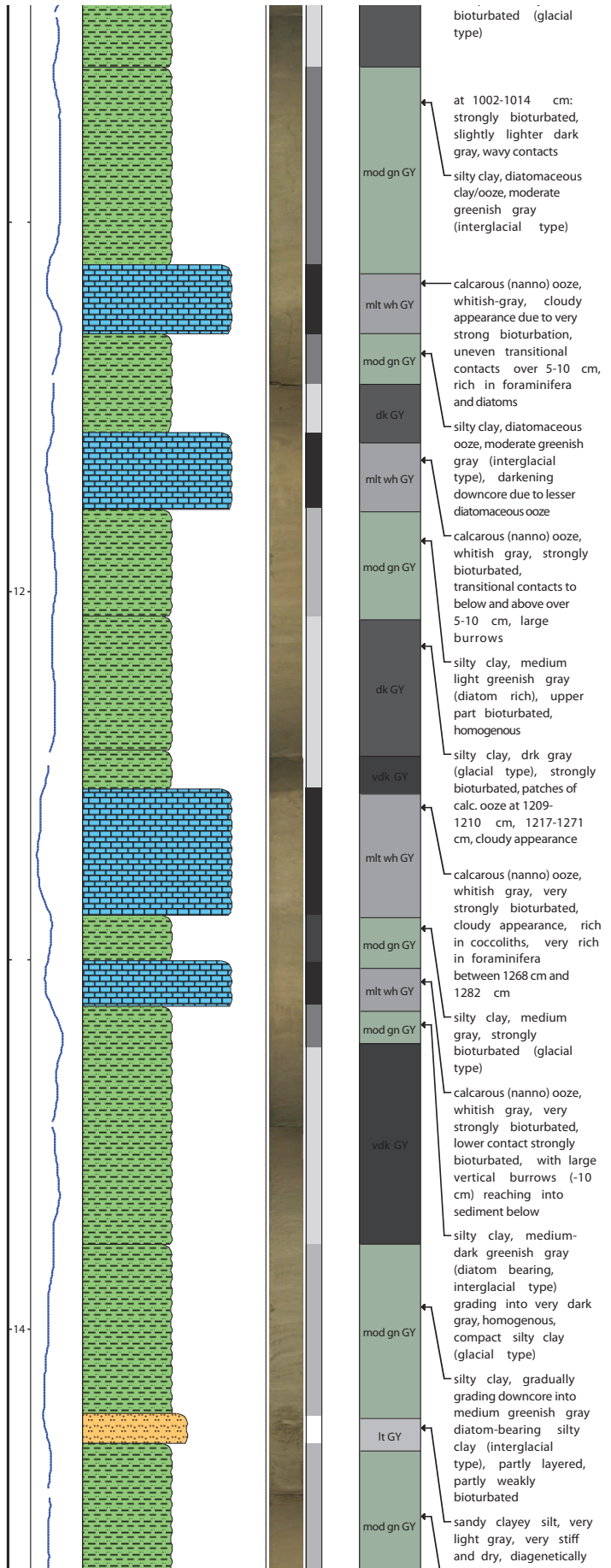
Appendix A.6 Core Descriptions



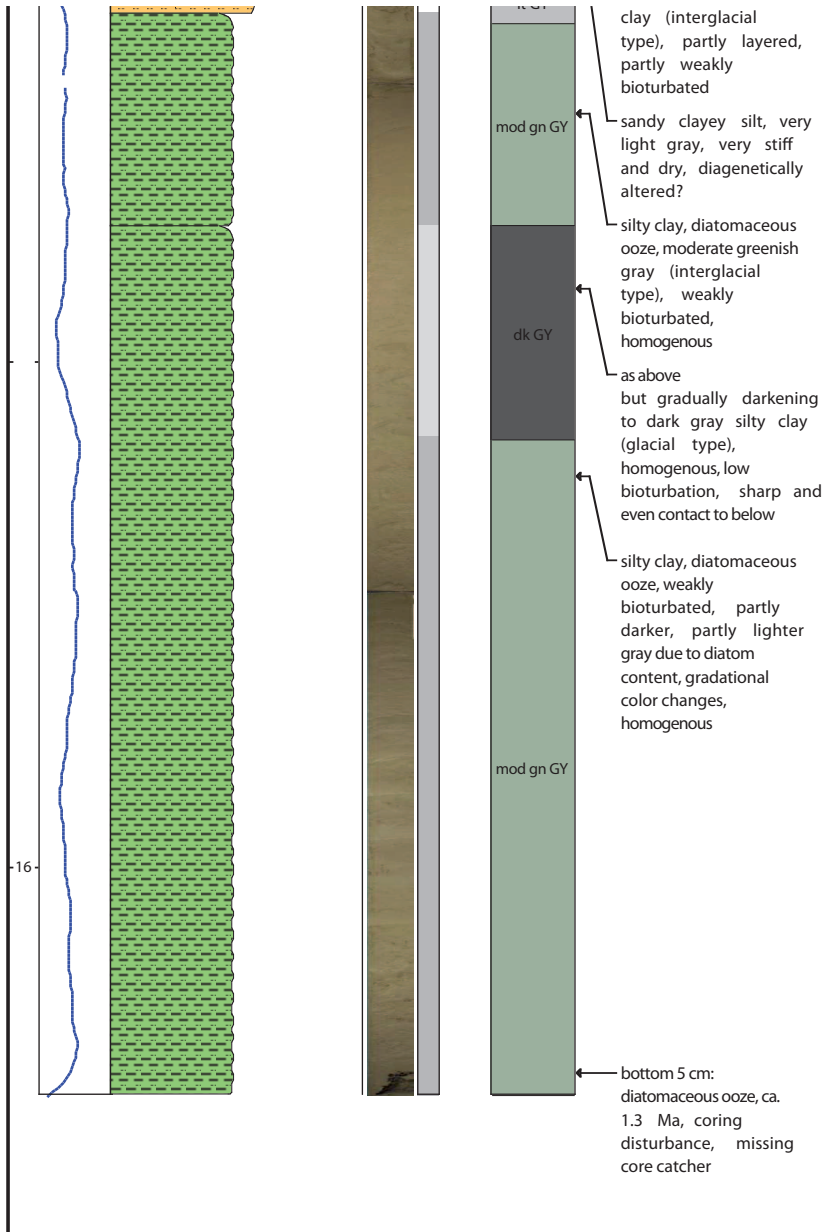
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



LEGEND







LITHOLOGY

-  sandy silt
-  clayey silt
-  silty clay
-  Biogen. Ooze
-  Lost Core

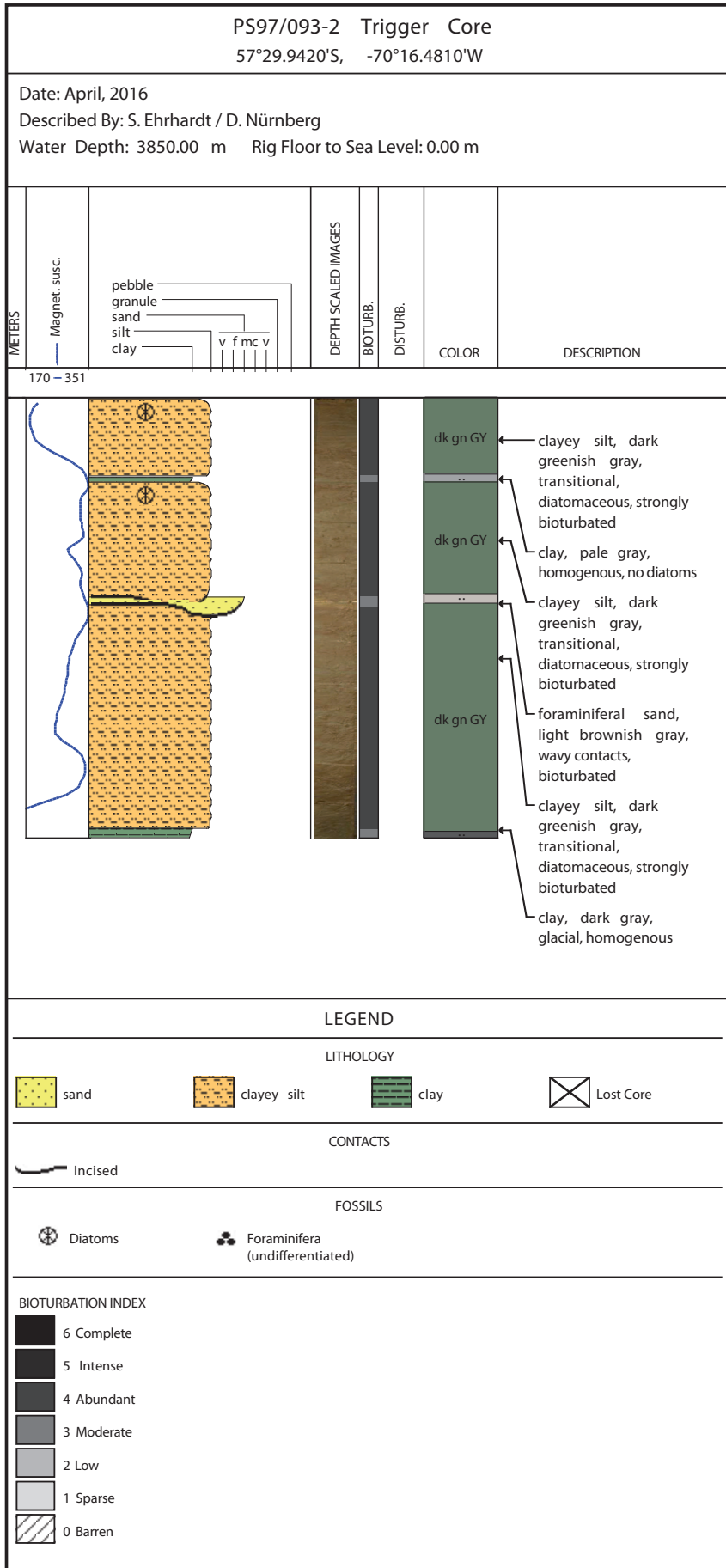
LITHOLOGIC ACCESSORIES

-  Pebbles/Granules

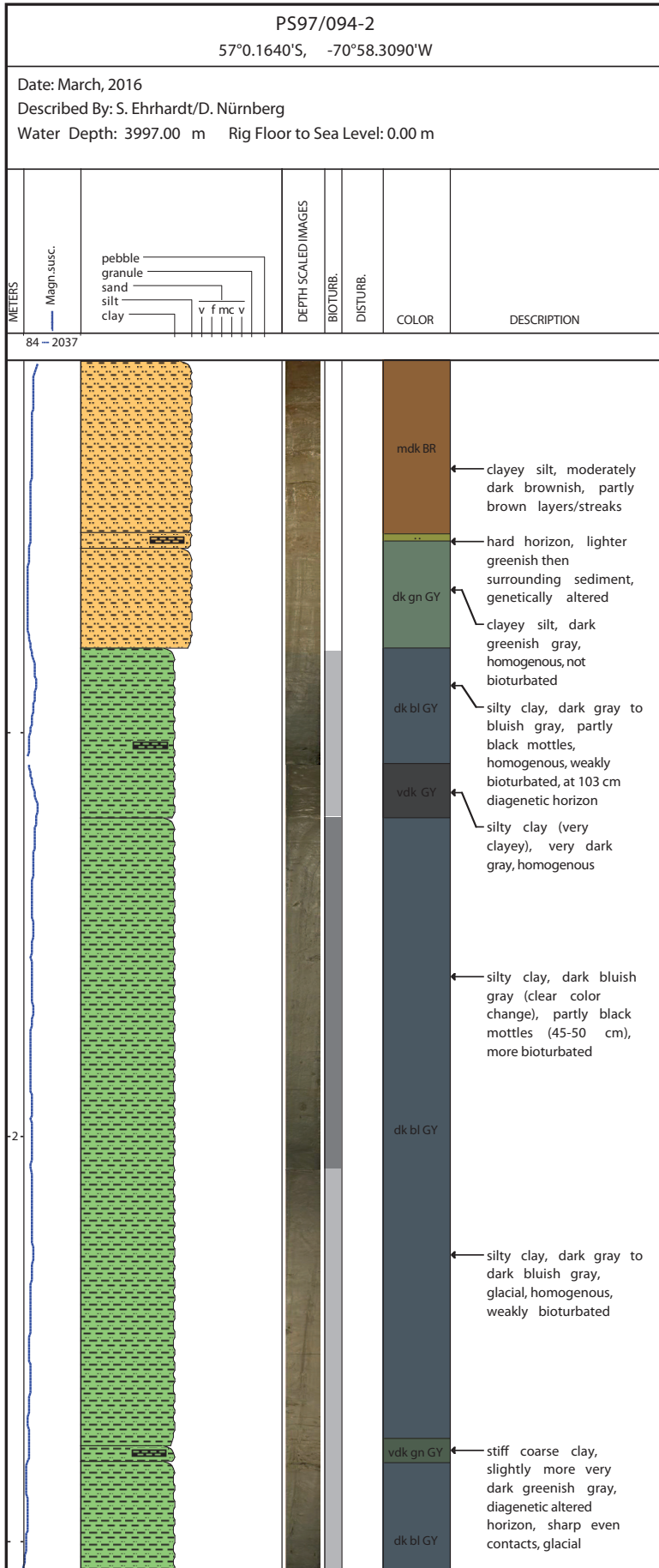
BIOTURBATION INDEX

-  6 Complete
-  5 Intense
-  4 Abundant
-  3 Moderate
-  2 Low
-  1 Sparse
-  0 Barren

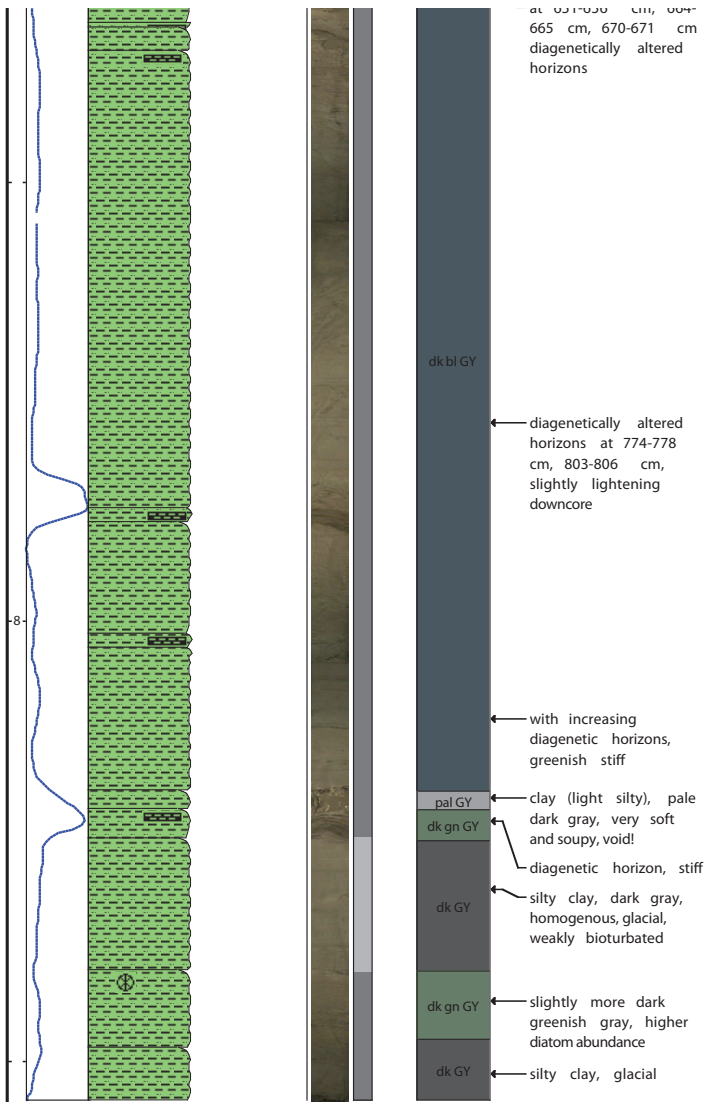
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



LEGEND


LITHOLOGY

 clayey silt	 clay	 Biogen. Ooze	 Lost Core
 silty clay			

CONTACTS


***** Bioturbated

LITHOLOGIC ACCESSORIES








 Diagenet. altered horizon

FOSSILS

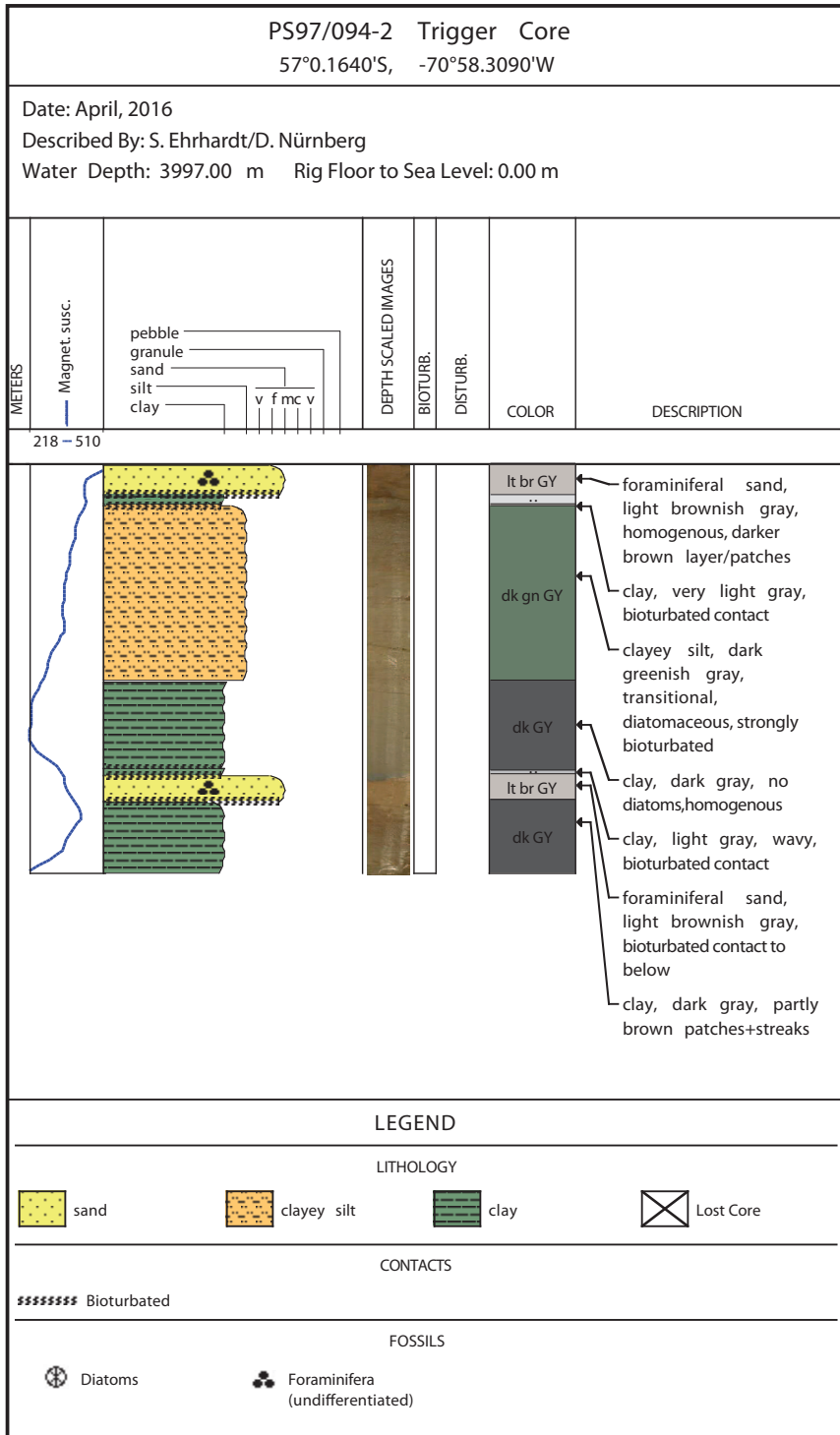
 Diatoms

 Foraminifera (undifferentiated)

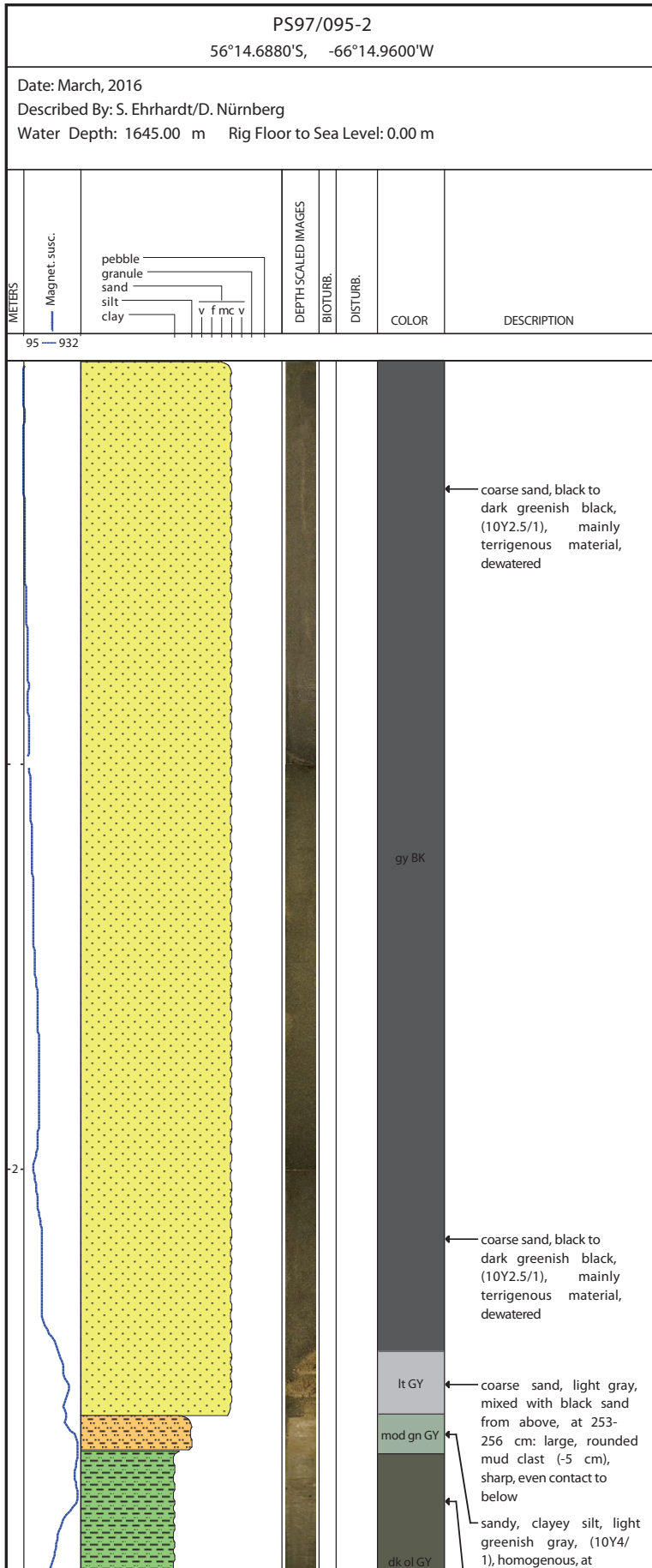
BIOTURBATION INDEX

 6 Complete
 5 Intense
 4 Abundant
 3 Moderate
 2 Low
 1 Sparse
 0 Barren

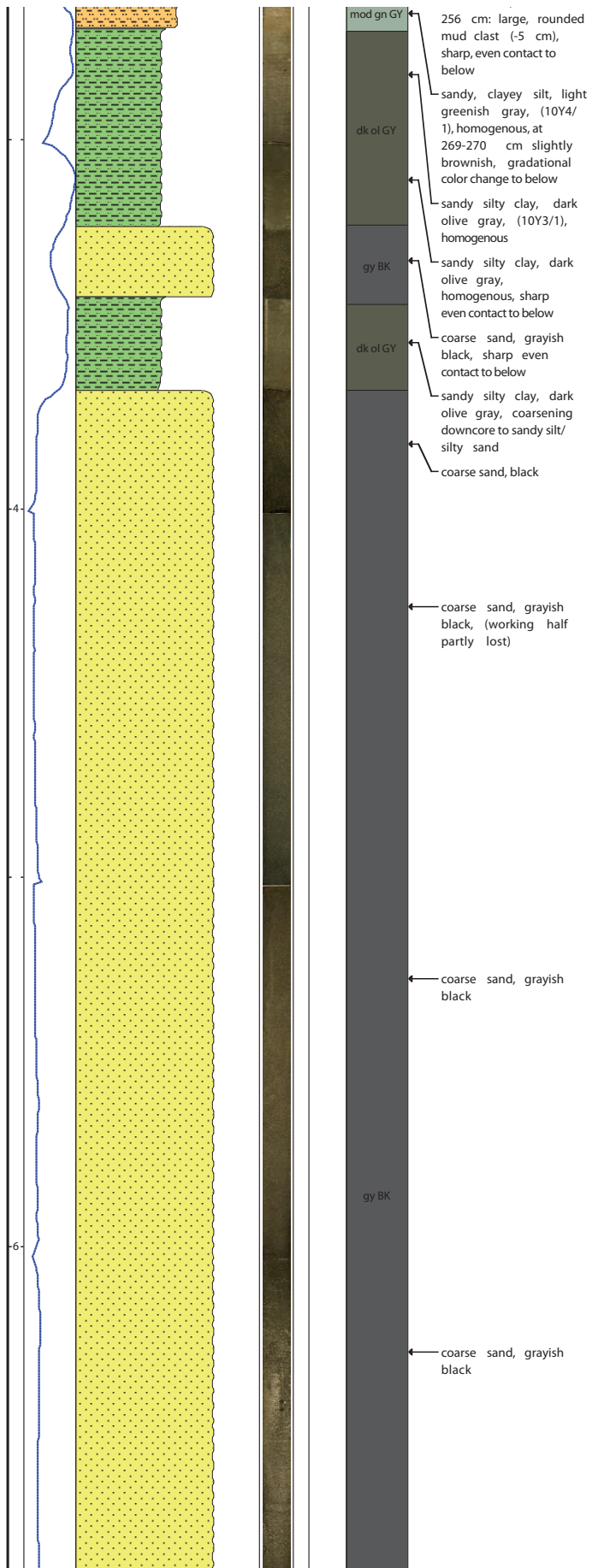
Appendix A.6 Core Descriptions



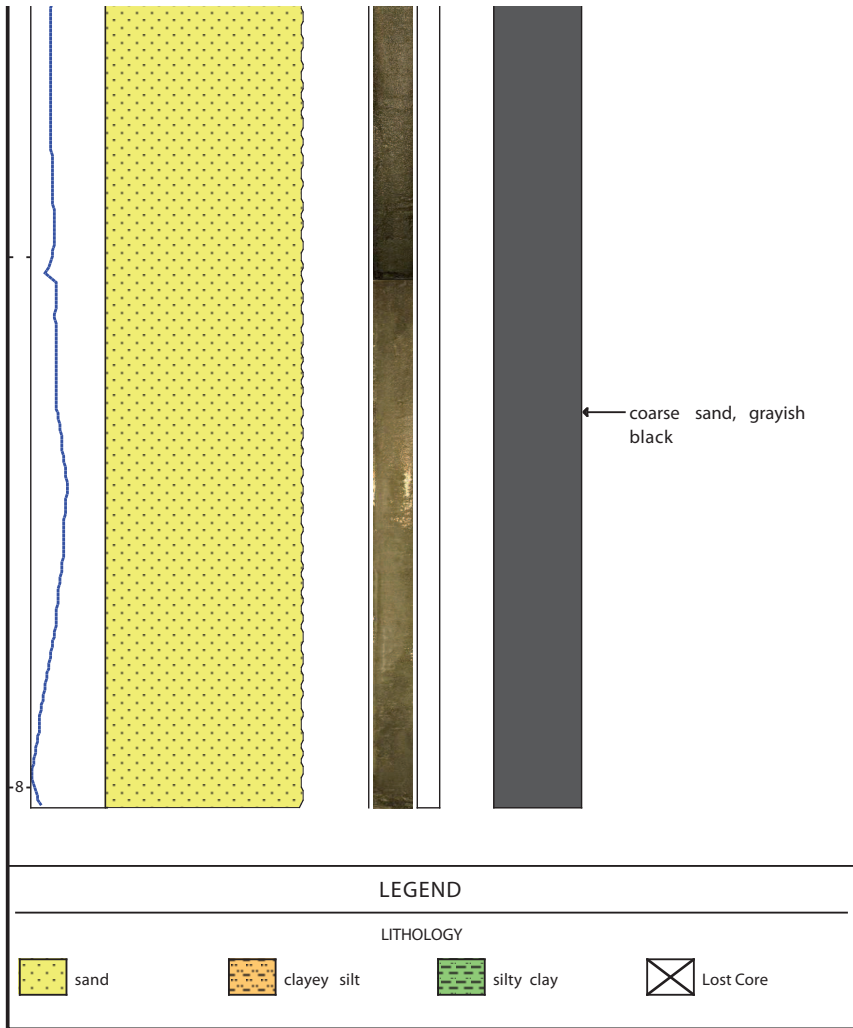
Appendix A.6 Core Descriptions



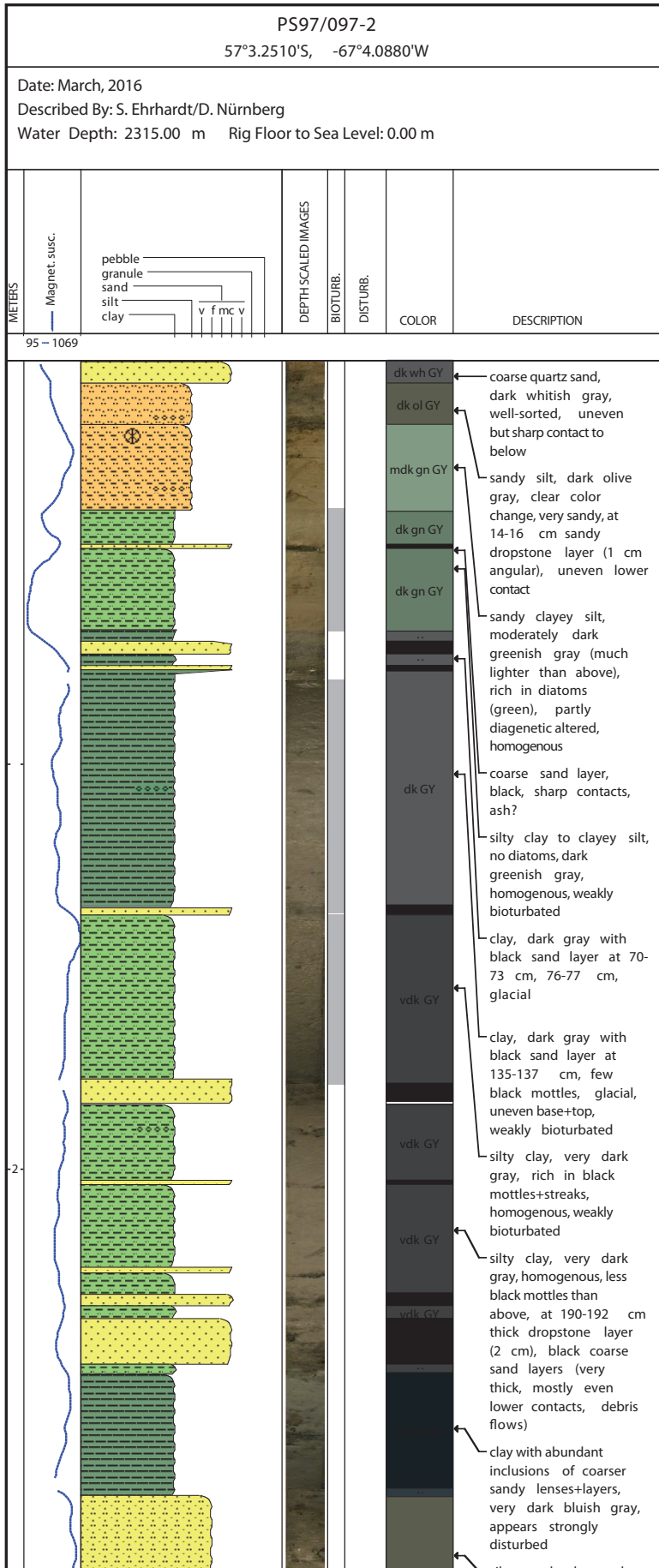
Appendix A.6 Core Descriptions



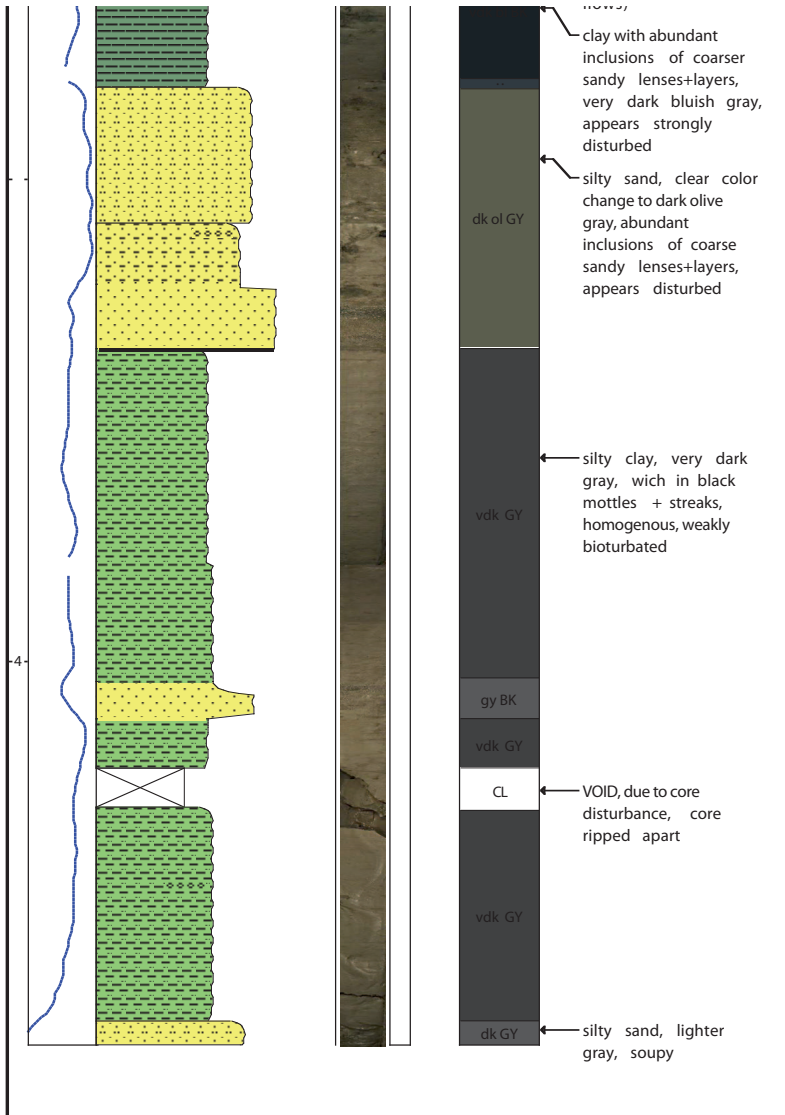
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



LEGEND

LITHOLOGY

sand	shaly sand	clayey silt	clay
silty sand	sandy silt	silty clay	Lost Core

CONTACTS

Sharp

LITHOLOGIC ACCESSORIES

Pebbles/Granules

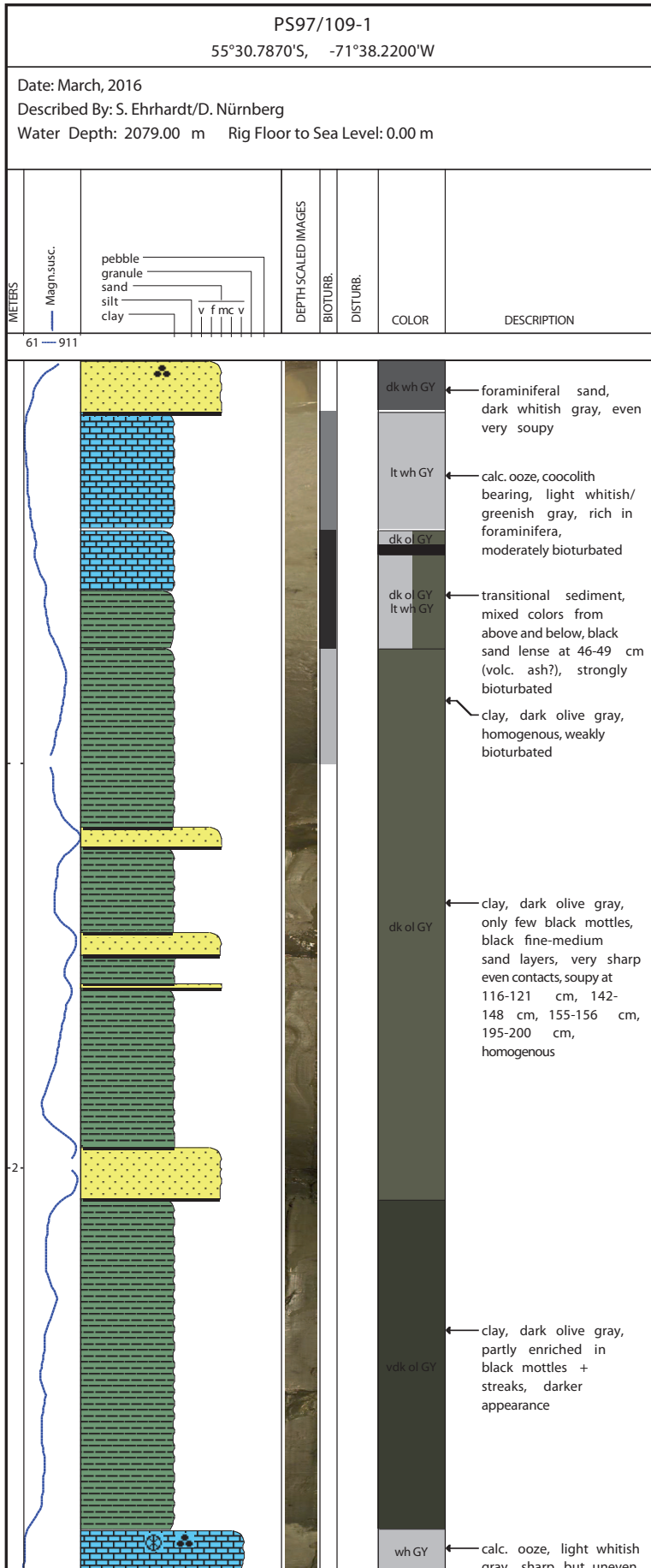
FOSSILS

Diatoms

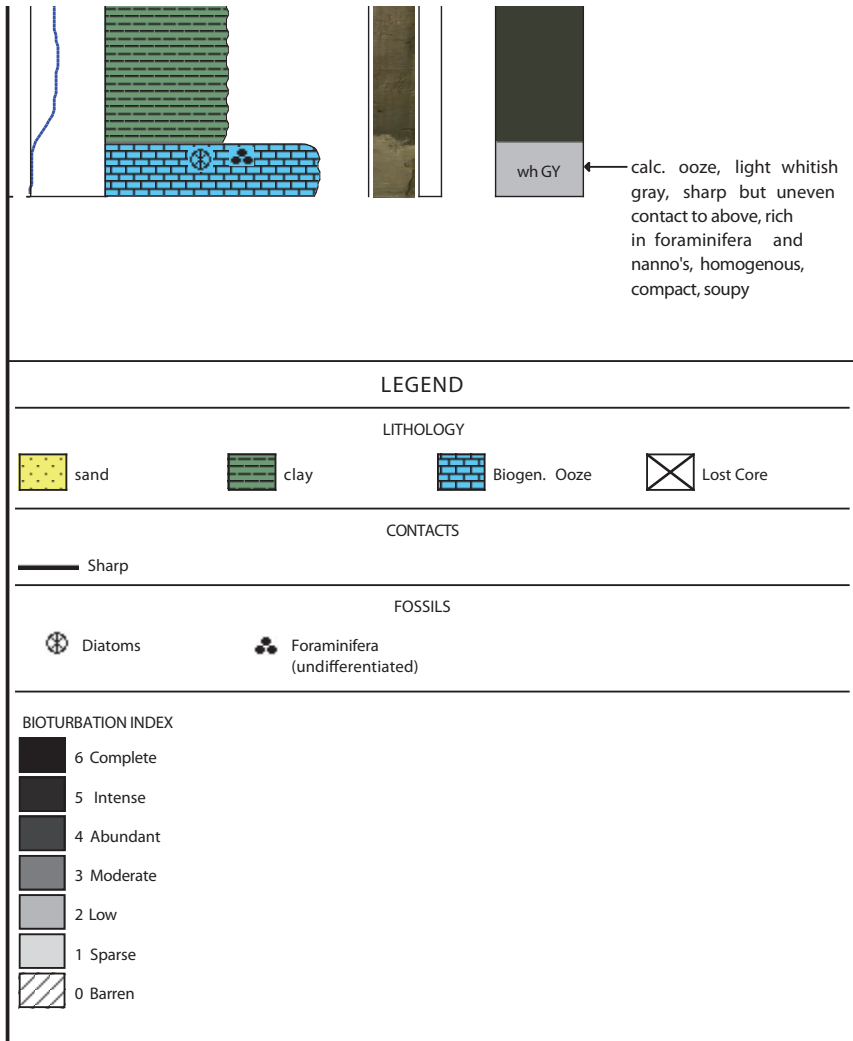
BIOTURBATION INDEX

	6 Complete
	5 Intense
	4 Abundant
	3 Moderate
	2 Low
	1 Sparse
	0 Barren

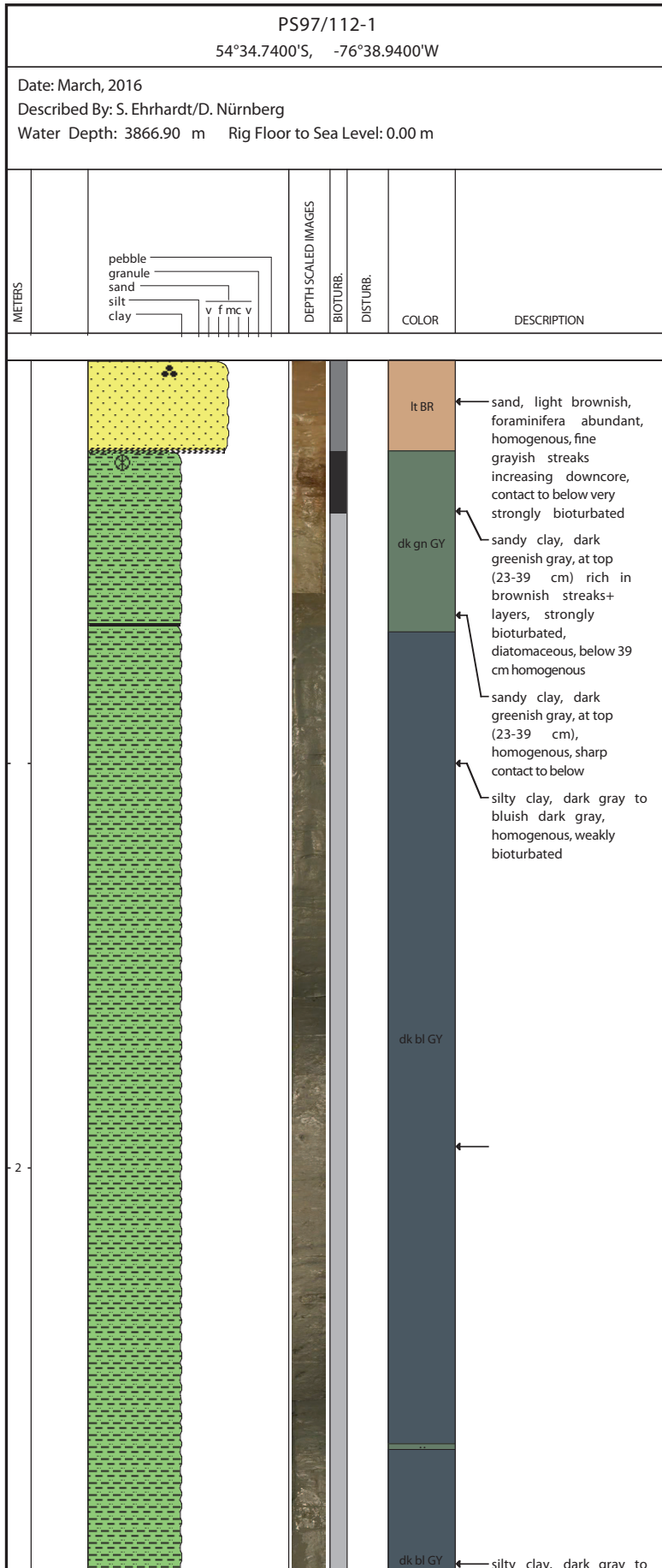
Appendix A.6 Core Descriptions



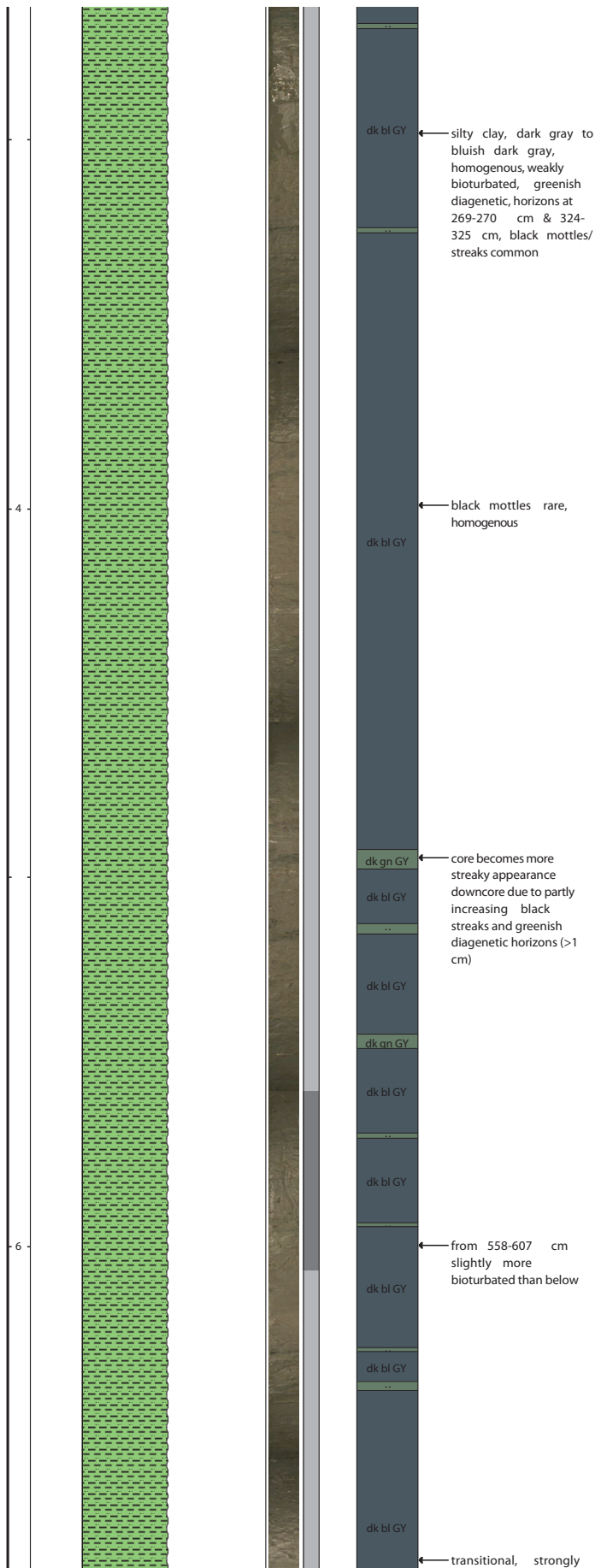
Appendix A.6 Core Descriptions



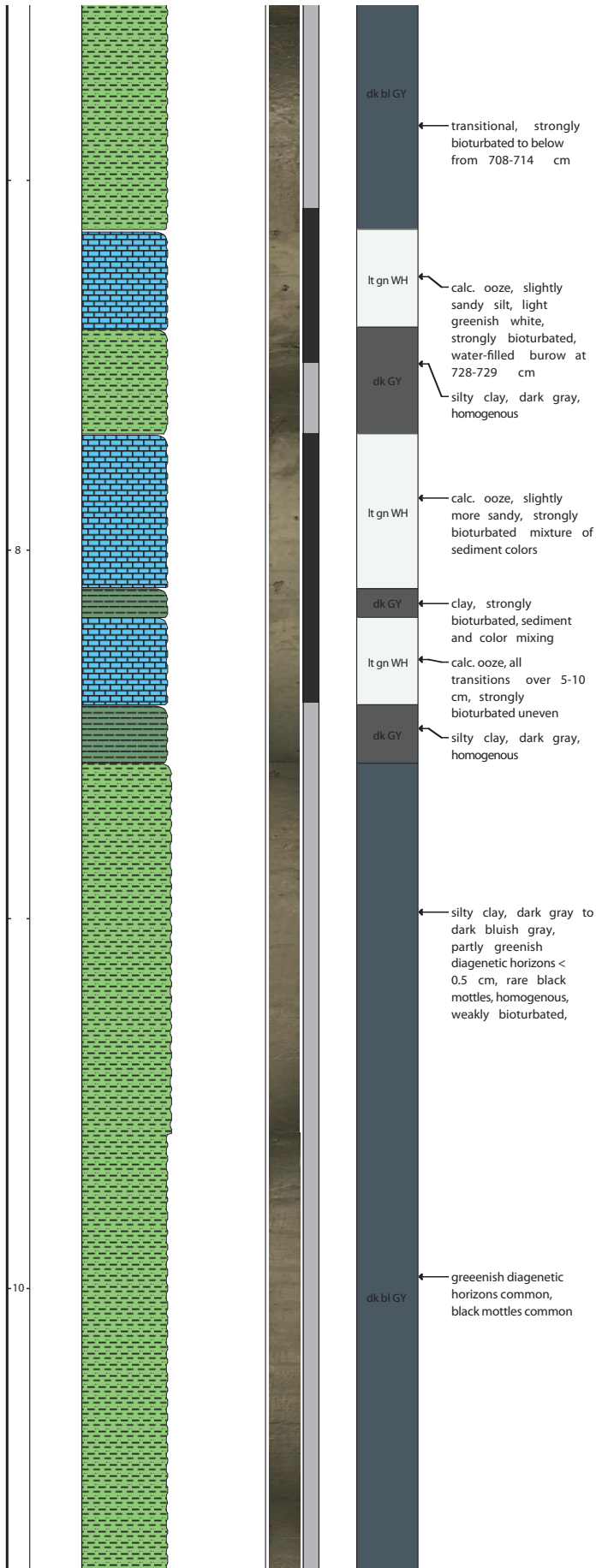
Appendix A.6 Core Descriptions



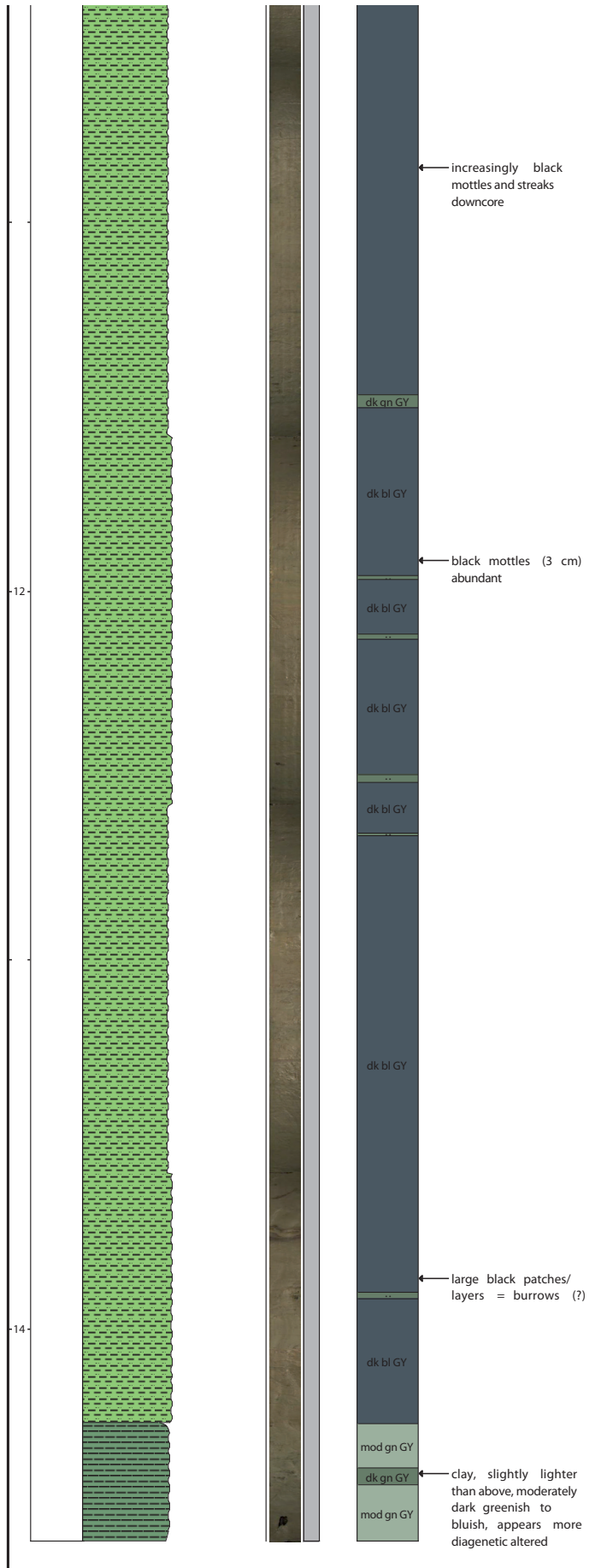
Appendix A.6 Core Descriptions



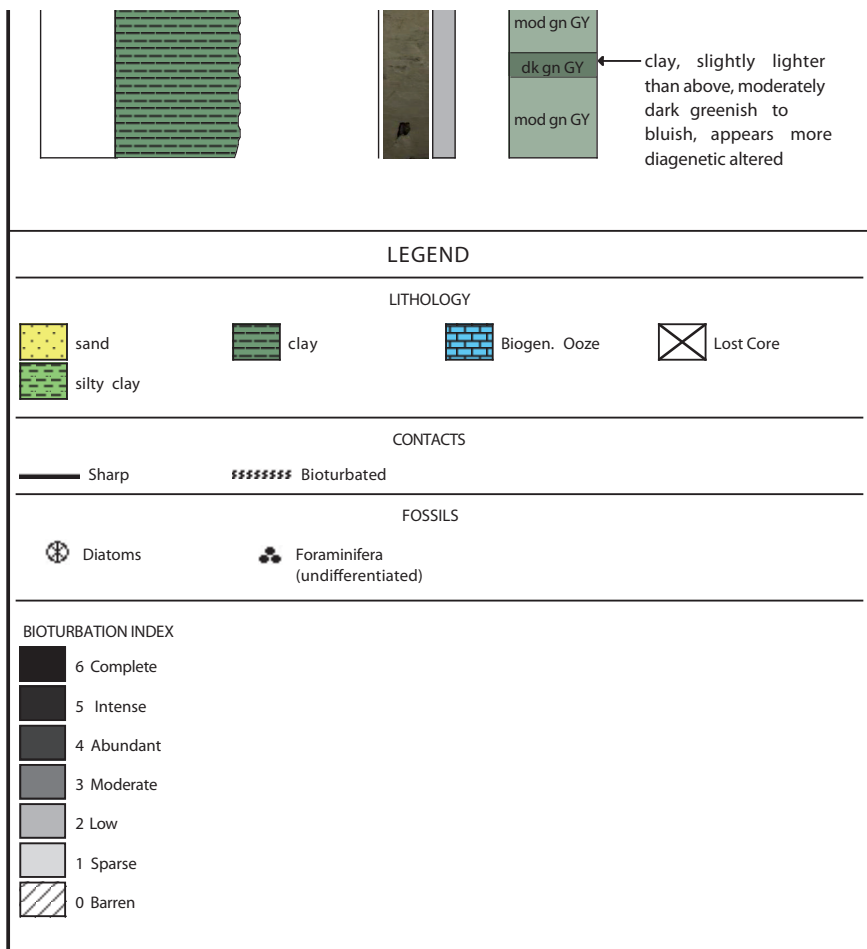
Appendix A.6 Core Descriptions



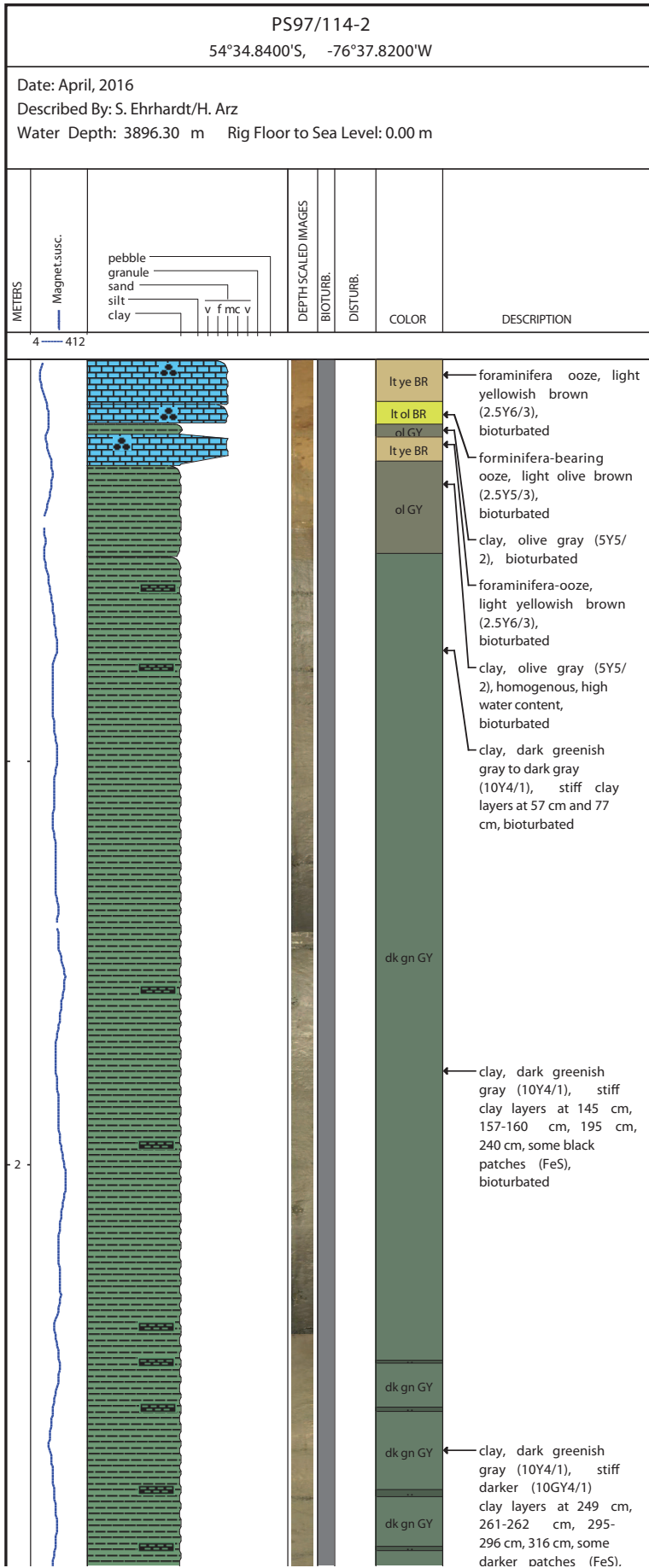
Appendix A.6 Core Descriptions



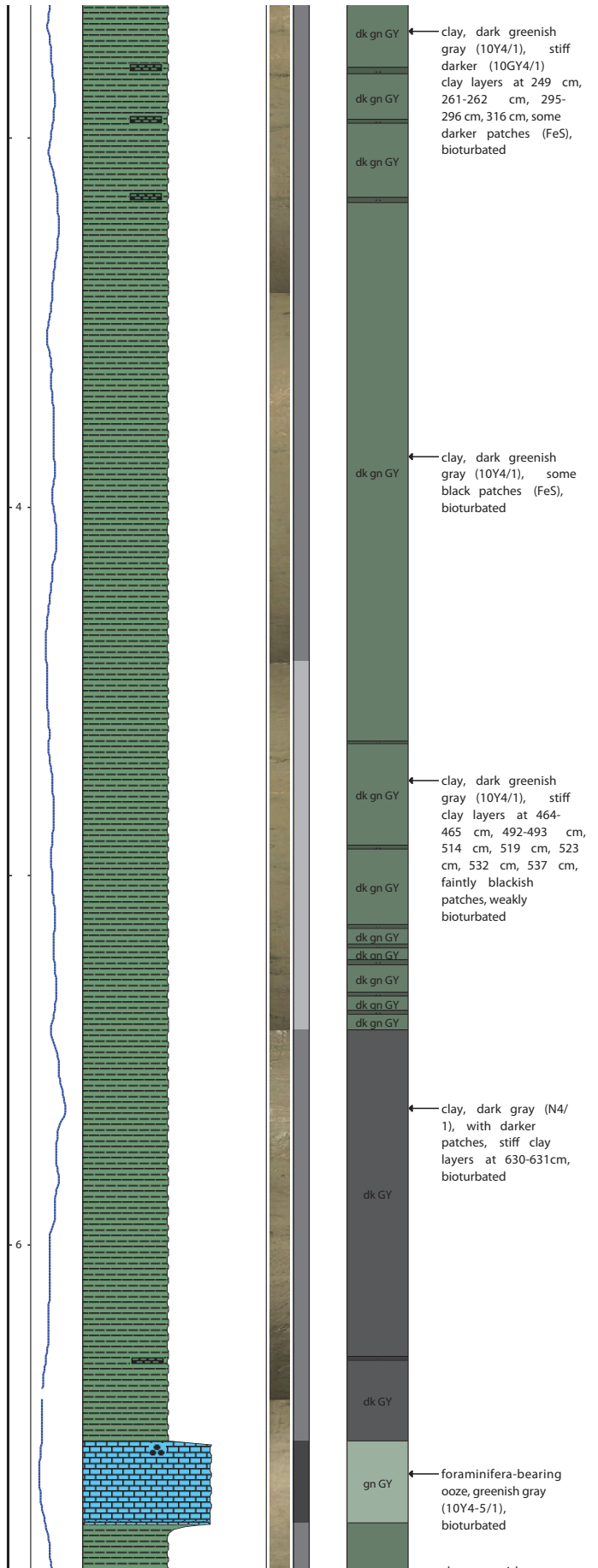
Appendix A.6 Core Descriptions



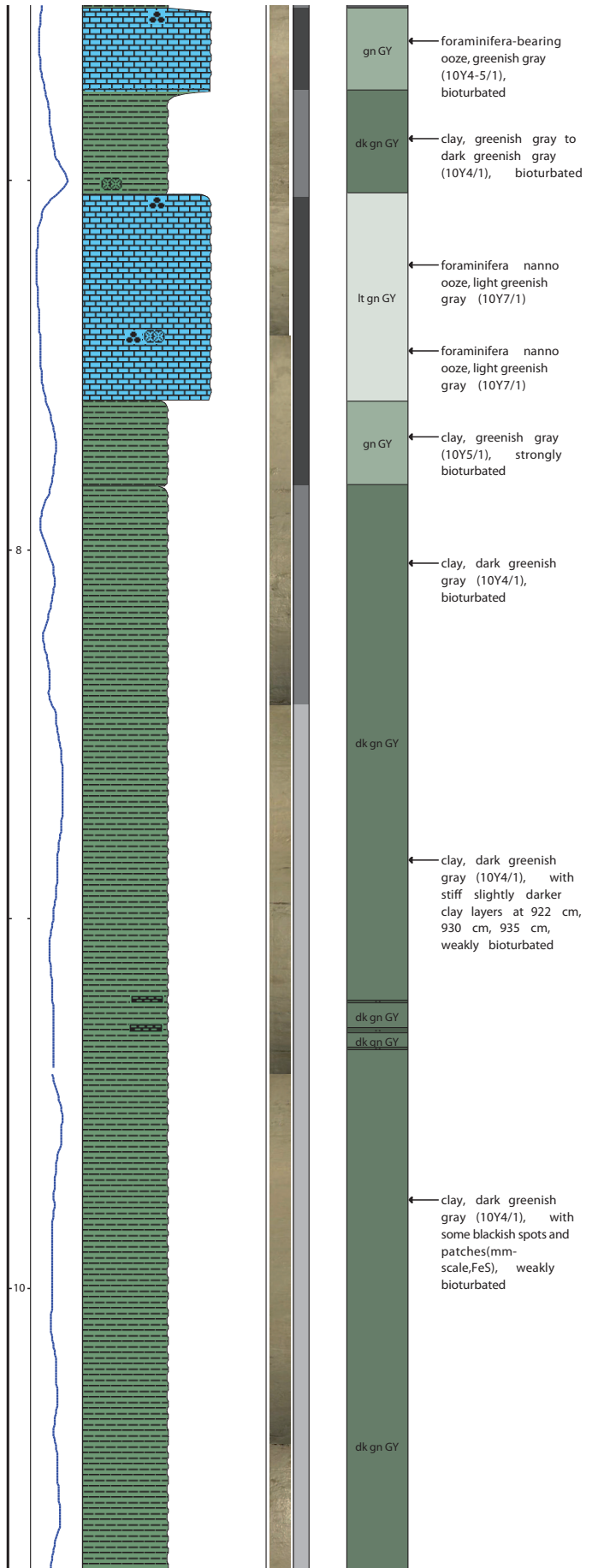
Appendix A.6 Core Descriptions



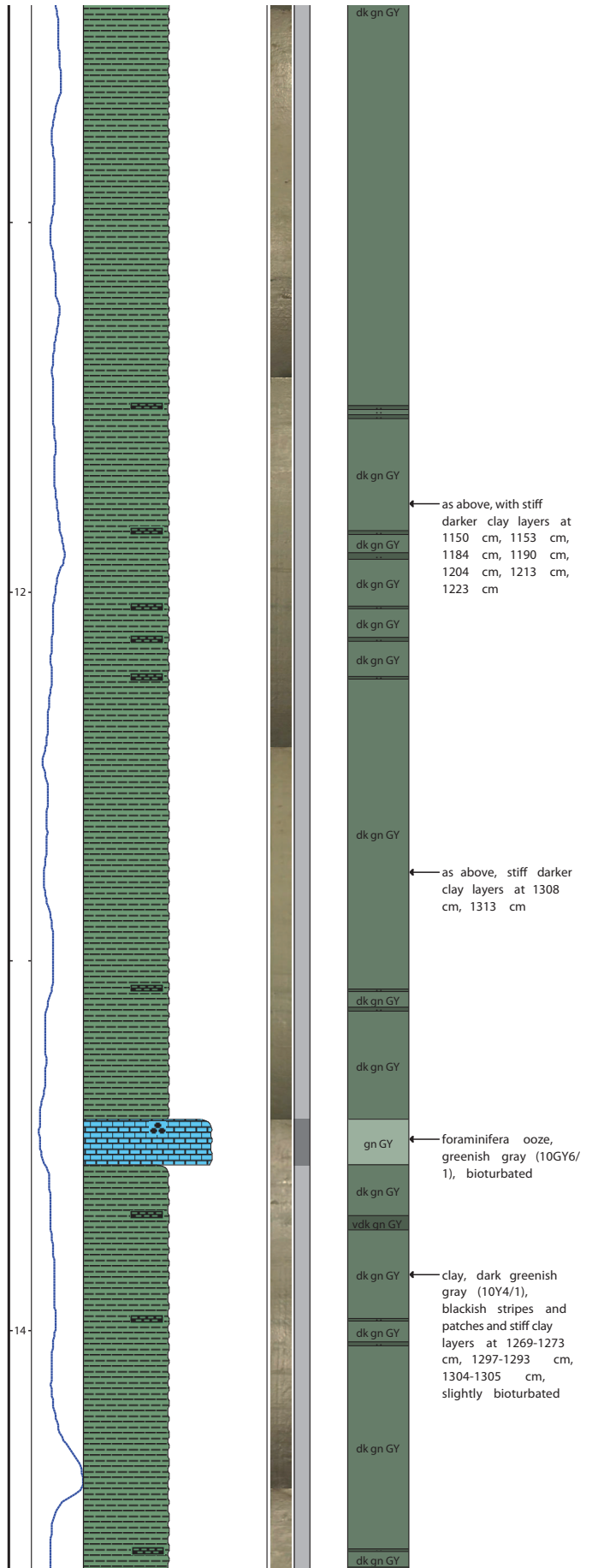
Appendix A.6 Core Descriptions



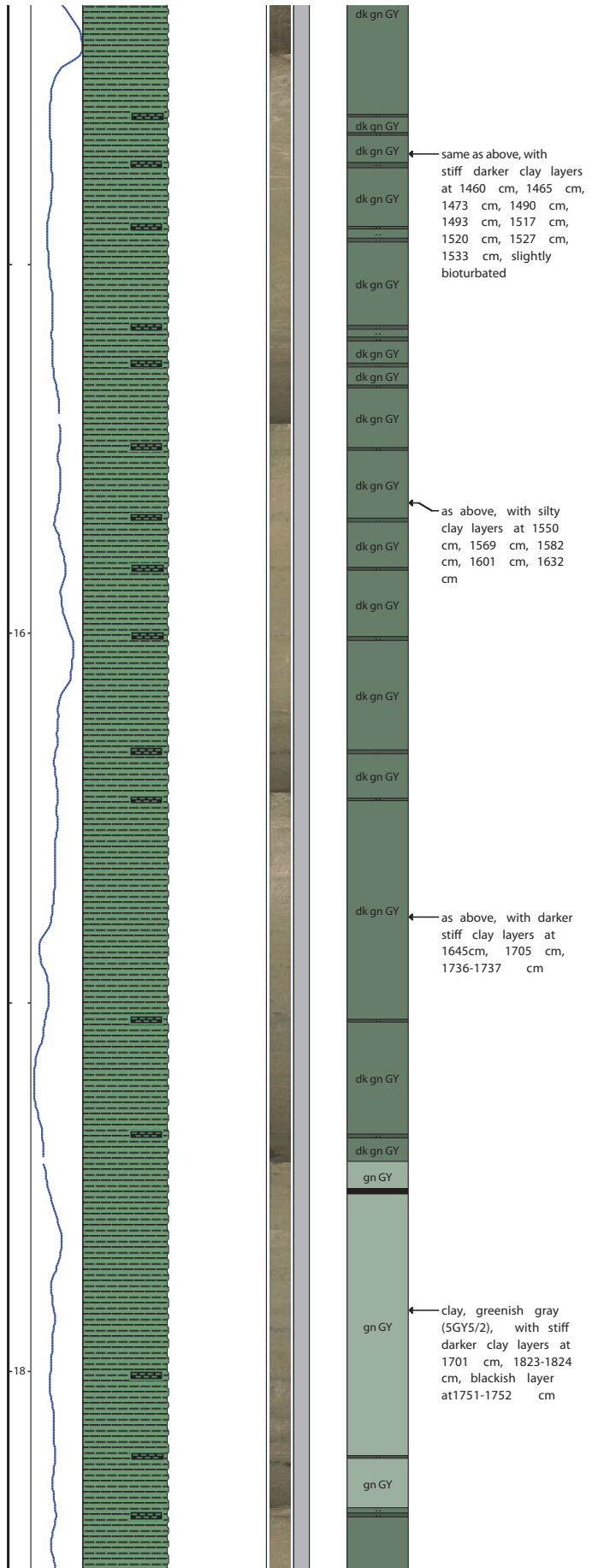
Appendix A.6 Core Descriptions



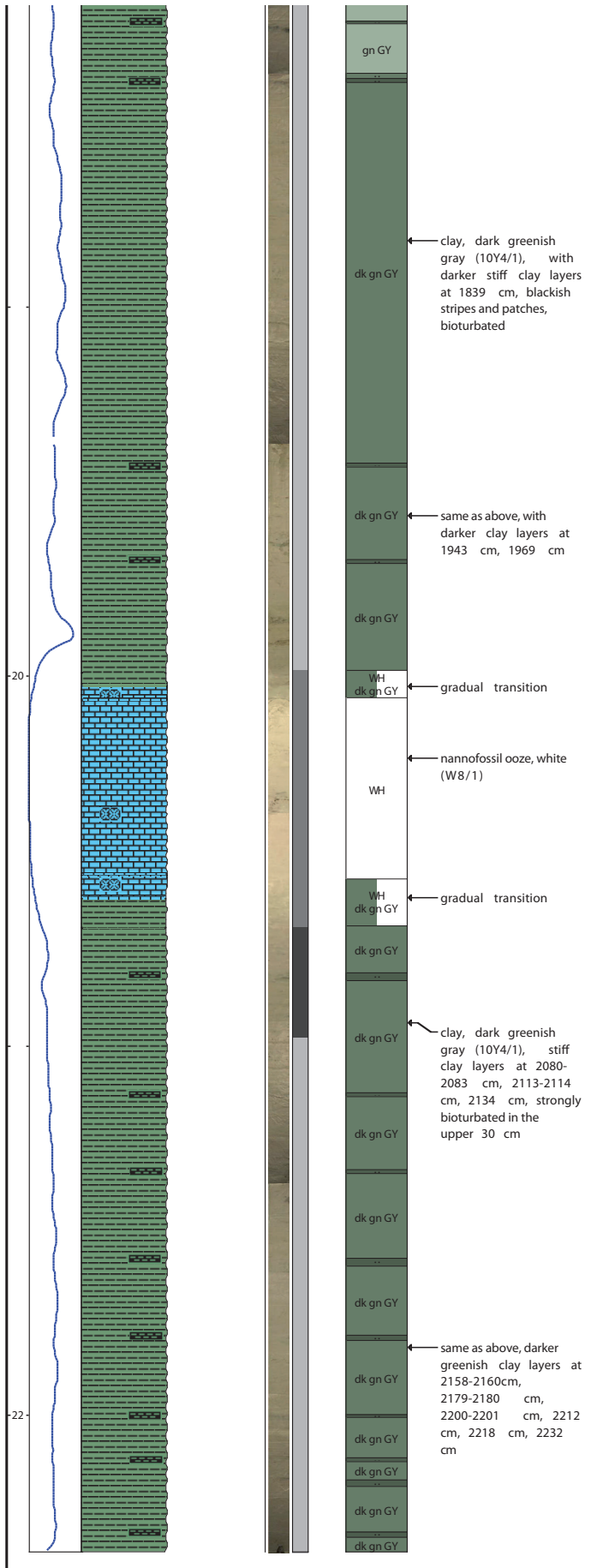
Appendix A.6 Core Descriptions



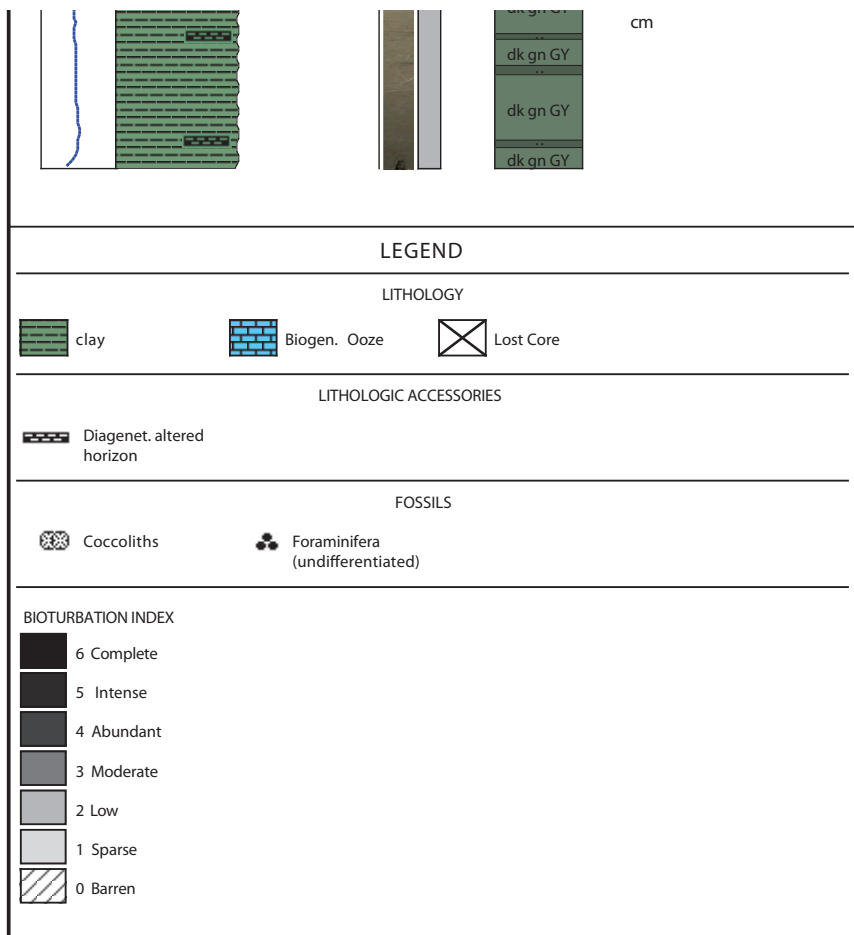
Appendix A.6 Core Descriptions



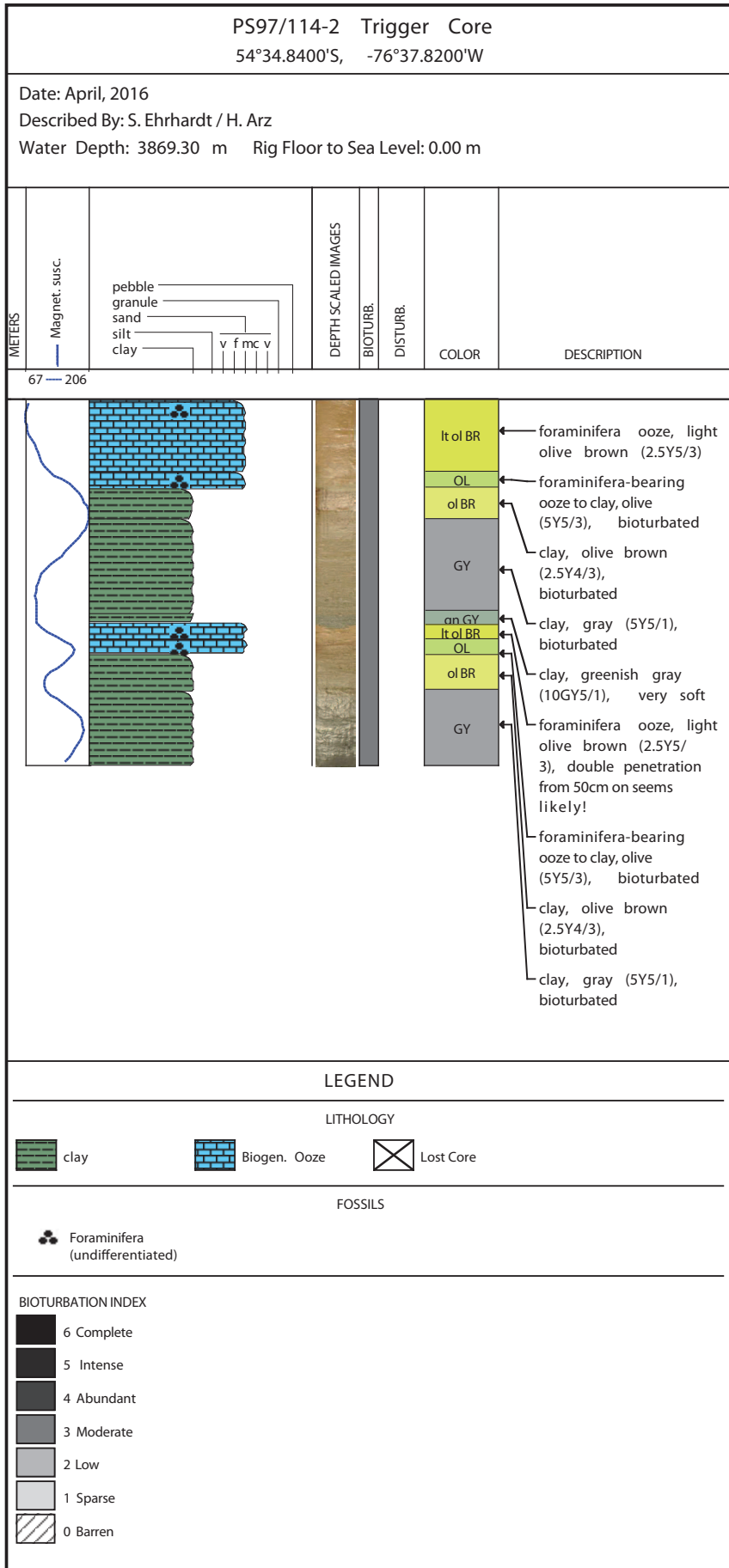
Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



Appendix A.6 Core Descriptions



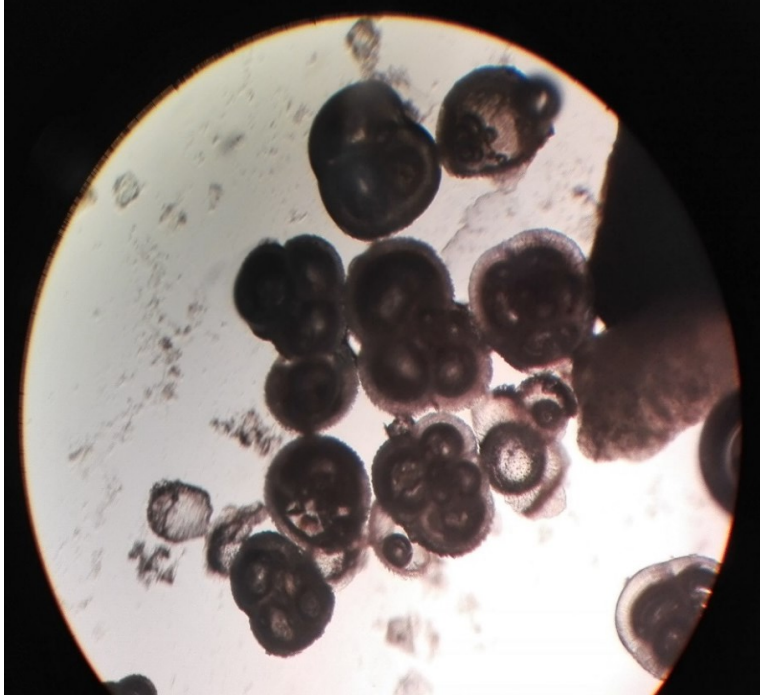
ANT-XXXI/3
Smear slide evaluation form for Argentinian/Chilean Margin (Scotia Sea)

Station number	PS97/011-2	PS97/095-1	PS97/096-1	PS97/097-1
	GKG, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm
MINERALS	58.5	62.5	26.5	38.5
Quartz	20	8	5	5
Feldspar	0.5	2	1	0.5
Rock fragments	0.5	10	1	1
Mica	0.5	0.5	0.5	0.5
Clay	30	10	17	31
Volcanic glass		2		
Accessory minerals	5	30	1	0.5
FeS/Fe oxides	2		1	
BIOGENIC	41	38.5	73.5	61.5
Forams	15	25	55	50
Nannos	15	1	3	0.5
Diatoms		1	0.5	0.5
Radiolarians				
Sp spicules	1	0.5		
Pellet				
Silicoflagellates		1		0.5

Bioclasts	10	9	15	10
Micrite			5	7
<i>Sediment name</i>	Foram & nanno-bearing silt	Rock-bearing foram sand	Foraminifera silty sand	Foraminifera sand
Total	99.5	100	100	100

A 0.5 value was assigned to <1

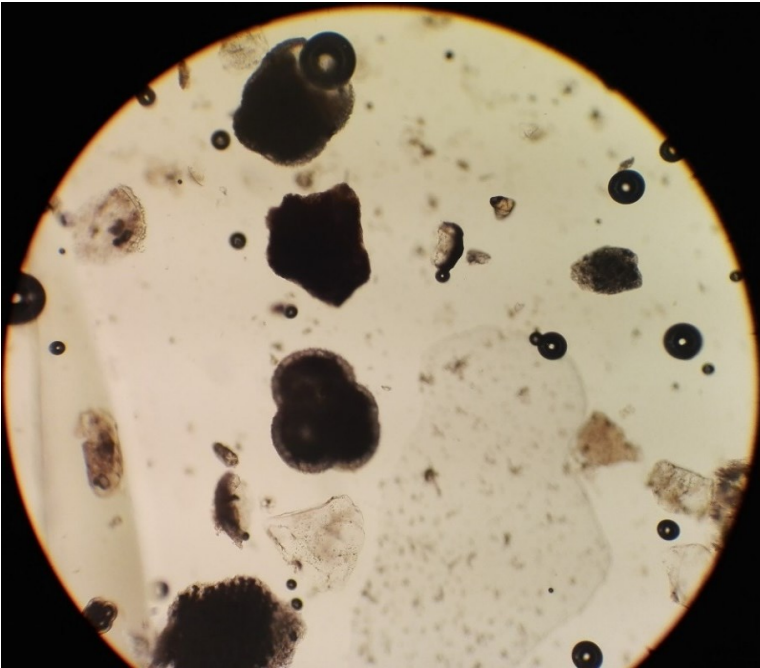
PS97/097-1 MUC 0-1 cm (100X)



Remarks:

Foraminifera sand
Bioclasts are fragmented forams.

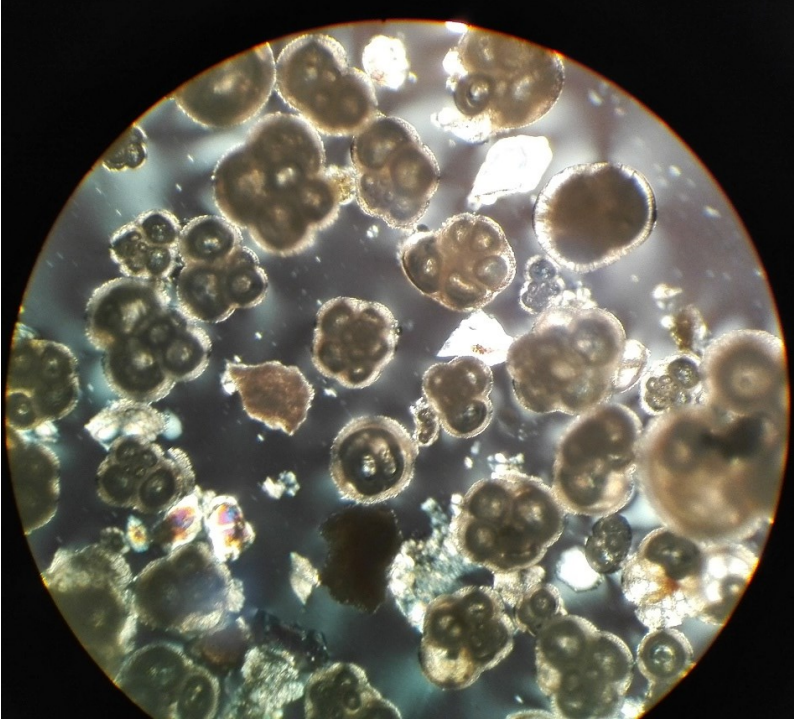
GKG-11 surface (100X)



Remarks:

Foram & nanno-bearing clayey silt
Bioclasts are fragmented forams.

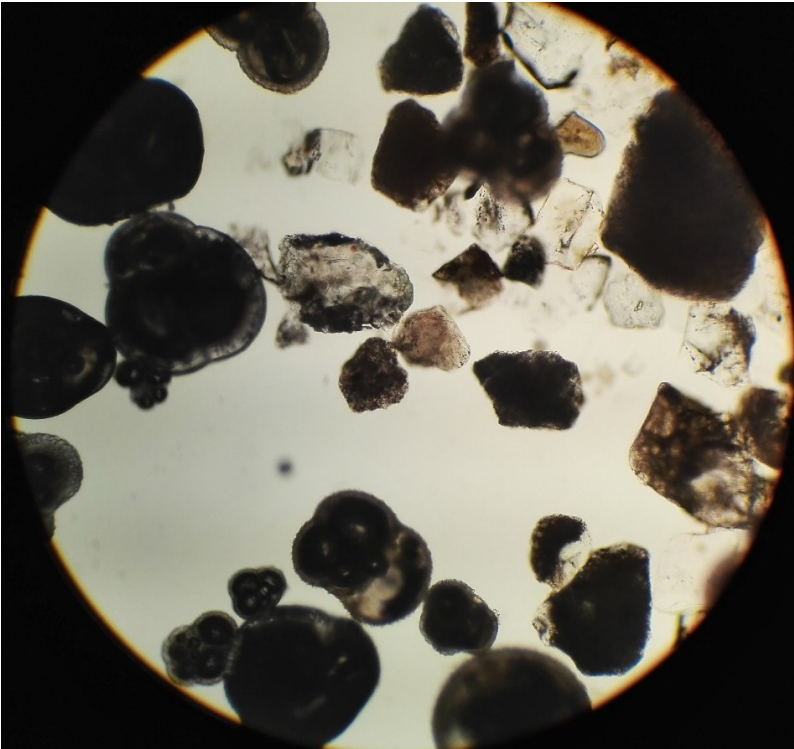
PS97/096-1 MUC 0-1 cm (250X)



Remarks:

Foraminifera sand
Bioclasts are fragmented forams.

PS97/095-1 MUC 0-1 cm (250X)



Remarks:

Rock-bearing foram sand
Bioclasts are fragmented forams.

ANT-XXXI/3
Smear slide evaluation form for Southern Chilean Margin (Pacific)

Station number	PS97/015-2	PS97/020-1	P97/021-1	PS97/022-1	PS97/024-2	PS97/027-1
	MUC, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm
MINERALS	24.5	20.5	26.5	25	29.5	23
Quartz	10	2	5	5	10	5
Feldspar	0.5	0.5	0.5	0.5	0.5	0.5
Rock fragments	0.5	0.5	0.5	0	0.5	0.5
Mica	0.5	0.5	0.5	0.5	0.5	1
Clay	10	15	17	18	16	14
Volcanic glass						
Accessory minerals	3	2	3	1	2	1
FeS/Fe oxides						1
BIOGENIC	76	80	74	75	71	76.5
Forams	20	30	25	30	25	20
Nannos	35	30	30	30	35	40
Diatoms	5	7	10	5	5	2
Radiolarians	1	1	1	2	1	0.5
Sp spicules	3	5	2	2	2	1
Silicoflagellates	2	2	1	1	1	1
Pellet						
Bioclasts	10	5	5	5	2	12
Micrite						
<i>Sediment name</i>	Foram-bearing nanno ooze	Foram nanno ooze	Diatom-bearing foram nanno ooze	Foram nanno ooze	Foram nanno ooze	Foram-bearing nanno ooze
Total	100.5	100.5	100.5	100	100.5	99.5

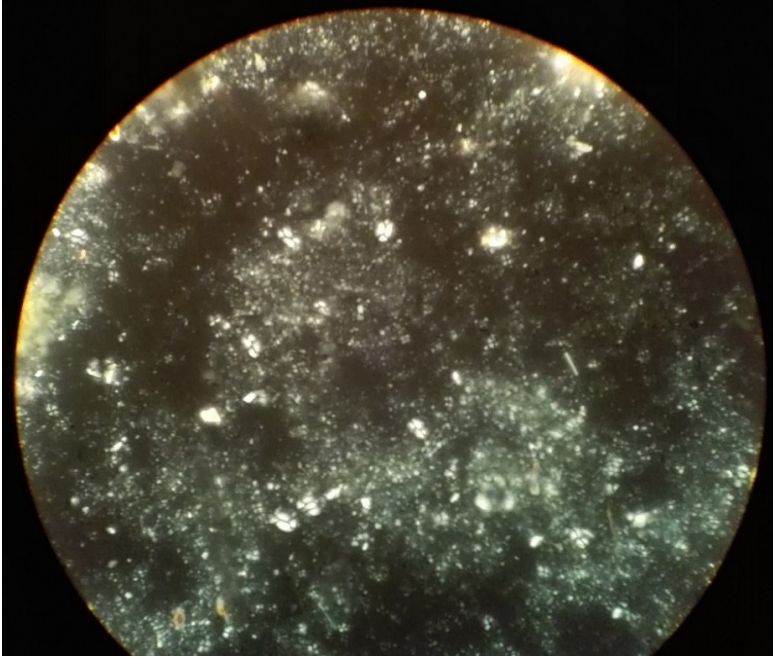
A 0.5 value was assigned to <1

Appendix A.7 Smear Slides

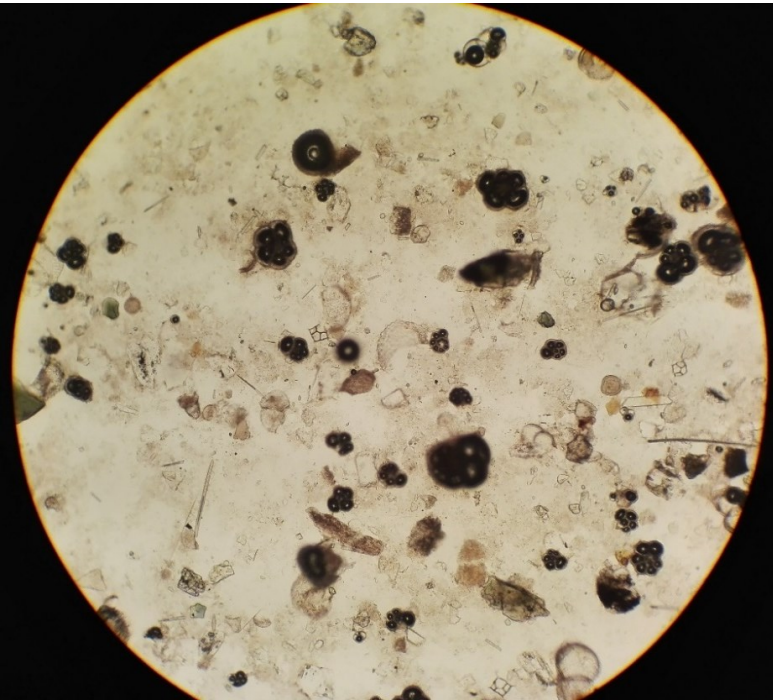
Station number	PS97/122-2	PS97/128-1	PS97/129-2	PS97/131-1	PS97/132-1	PS97/134-1	PS97/135-1	PS97/114-1
	MUC, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm	MUC 0-1 cm	MUC 0-1 cm	MUC 0-1 cm	MUC 0-1 cm	MUC, 0-1 cm
MINERALS	55	48	41	30	43	40	42	23
Quartz	5	7	5	20	15	15	15	5
Feldspar	1	1	0.5		3	2	1	0.5
Rock fragments	1	0.5	0.5		15	5	3	1
Mica		1	0.5			1	1	0.5
Clay	46	34	31			7	17	6
Volcanic glass	0.5	0.5	0.5					
Accessory minerals	1	3	2	10	10	10	5	7
Fe3S/Fe oxides	0.5	1	1					3
 BIOGENIC	44.5	52.5	59.5	70	57	60	58	77
Forams	2	10	10	50	40	40	32	5
Nannos	30	25	20	7	7	8	15	40
Diatoms	2	1	8	2	2	3	2	10
Radiolarians	0.5	0.5	0.5			1		1
Sp spicules	2	1	3	3	2	3	3	2
Silicoflagellates		1	1		1		1	3
Pellet								
Bioclasts	3	7	15	8	5	5	5	7
Micrite	5	7	2					9
<i>Sediment name</i>	Clayey nannofossil ooze	Foram-bearing nannofossil ooze	Foram and nanno-bearing sandy clay	Foram-sand	Foram-sand	Foram sand	Nanno-bearing foram sand	Foram and diatom-bearing nanno ooze
Total	99.5	100.5	100.5	100	100	100	100	100

A 0.5 value was assigned to <1.

PS97/15-2 MUC 0-1 cm (630X) polarized

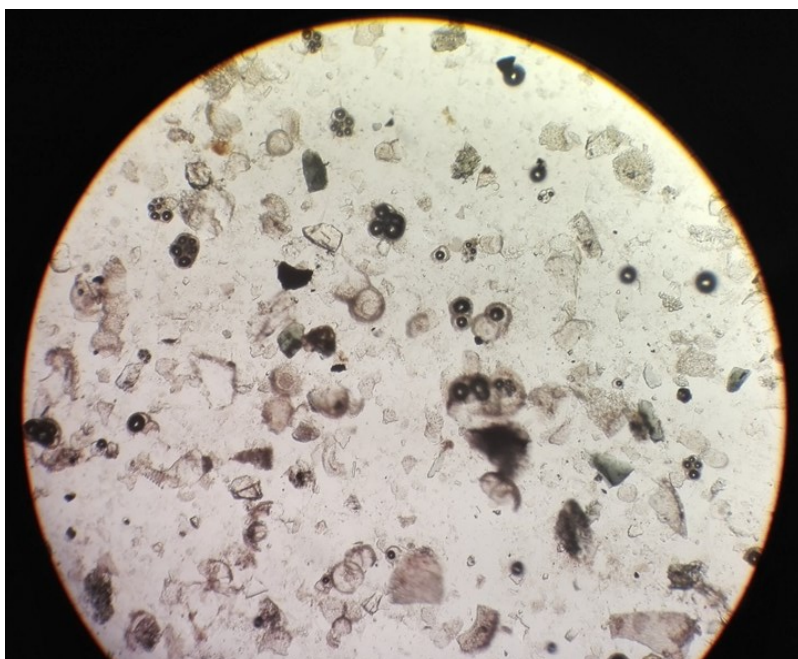


PS97/015-2 MUC 0-1 cm (100X)



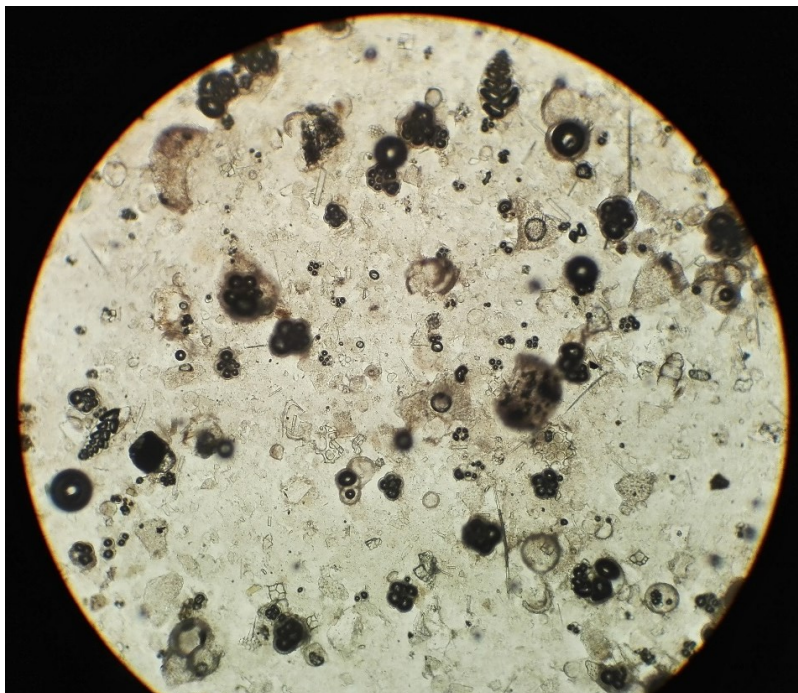
Remarks:
Foram-bearing nanno ooze
Very good preservation of biogenic material.
Bioclasts are fragmented foraminifers.

PS97/024-2 MUC 0-1 cm (100X)



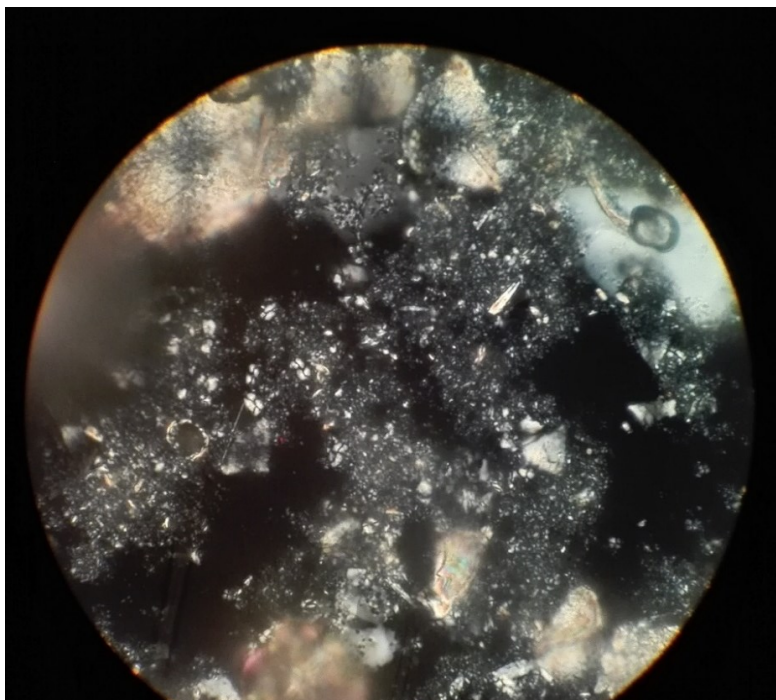
Remarks:
Foram nanno ooze

PS97/020-1 MUC 0-1 cm (100X)

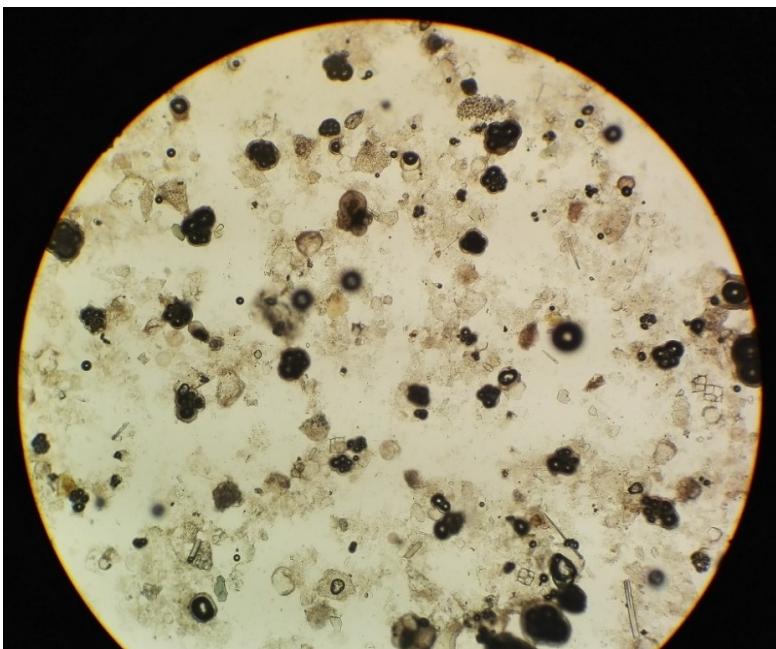


Remarks:
Foram nanno ooze

PS97/021-1 MUC 0-1 cm (630X) polarized

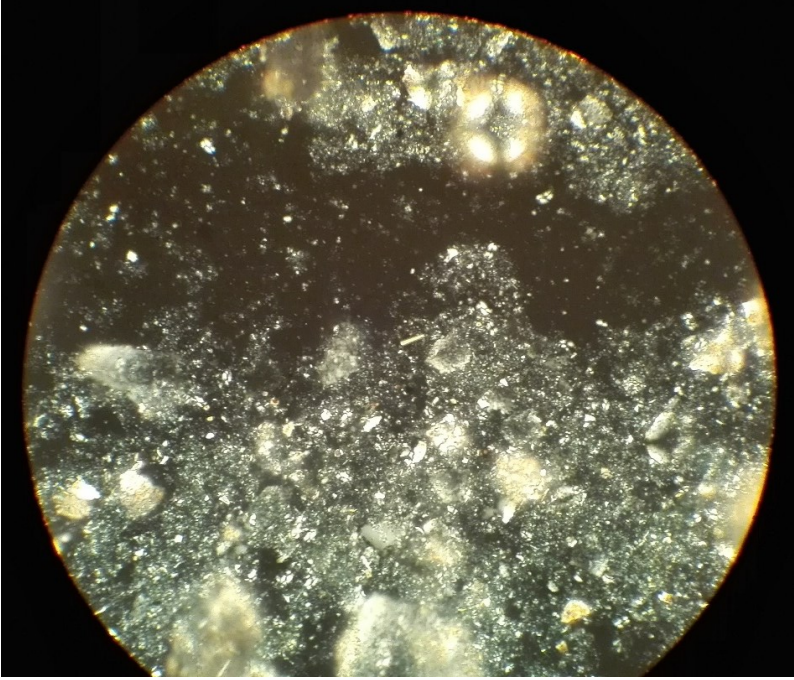


PS97/021-1 MUC 0-1 cm (100X)

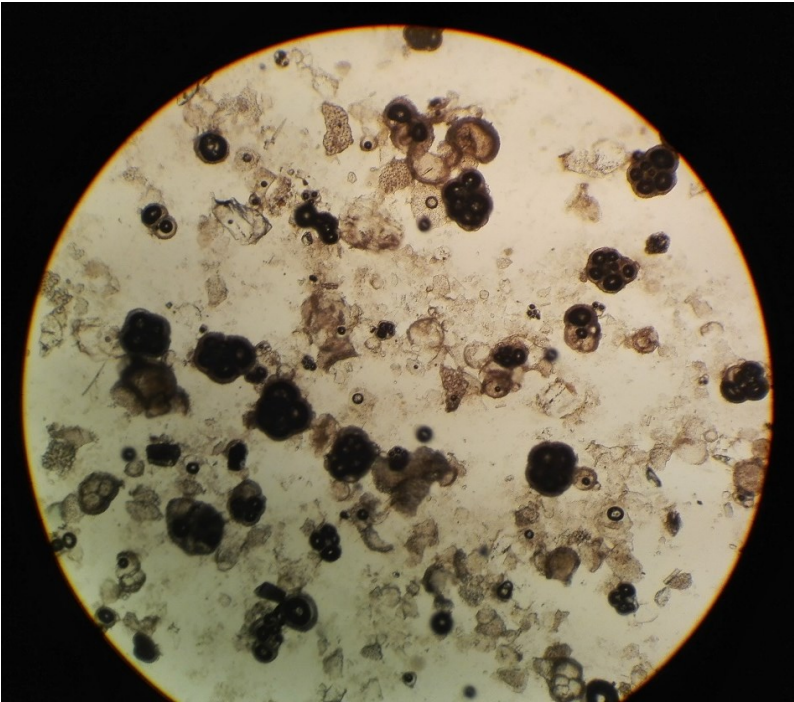


Remarks:
Diatom-bearing foram nanno ooze
Excellent preservation of biogenic material.

PS97/022-1 MUC 0-1 cm (630X) polarized

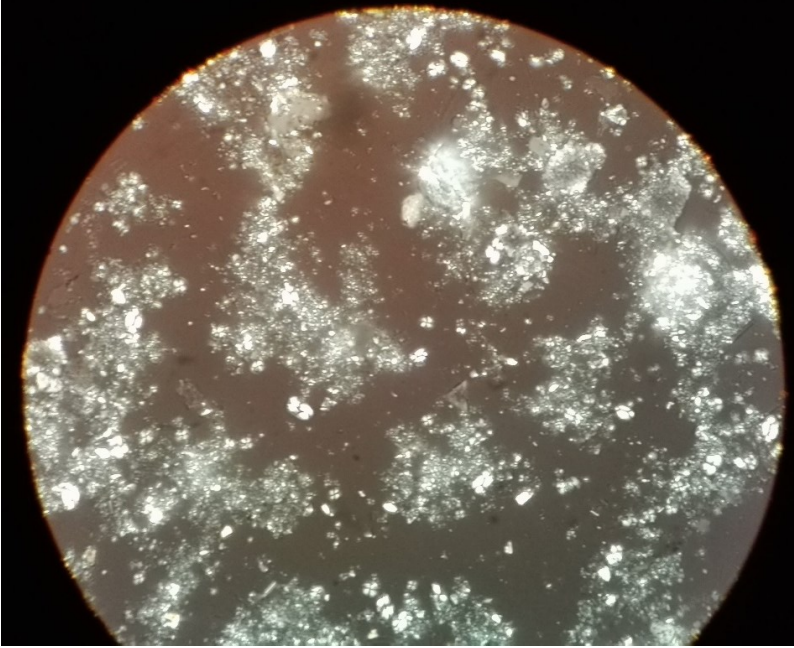


PS97/022-1 MUC 0-1 cm (100X)

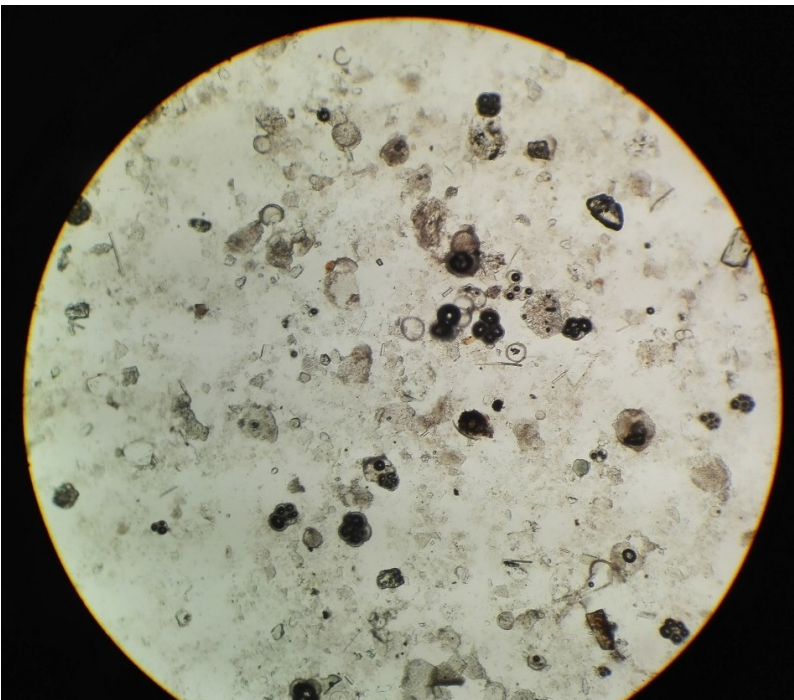


Remarks:
Foram nanno ooze

PS97/027-1 MUC 0-1 cm (630X) polarized

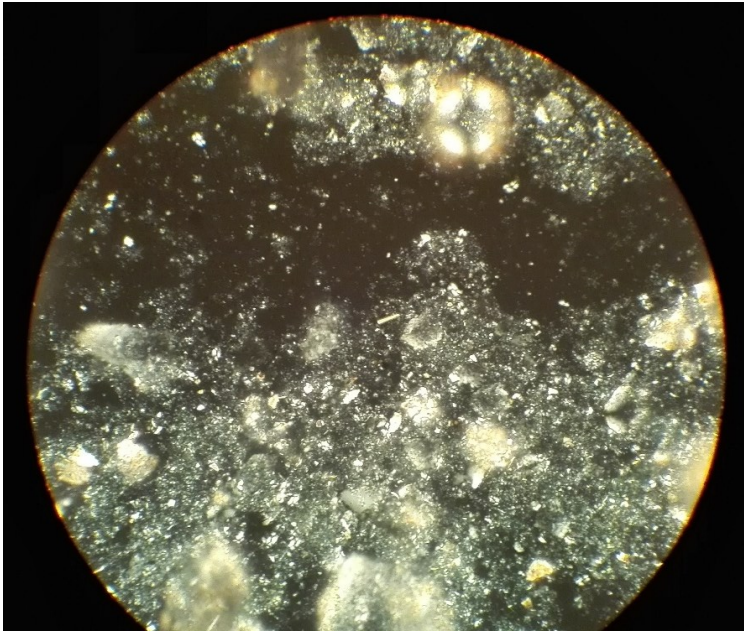


PS97/027-1 MUC 0-1 cm (100X)

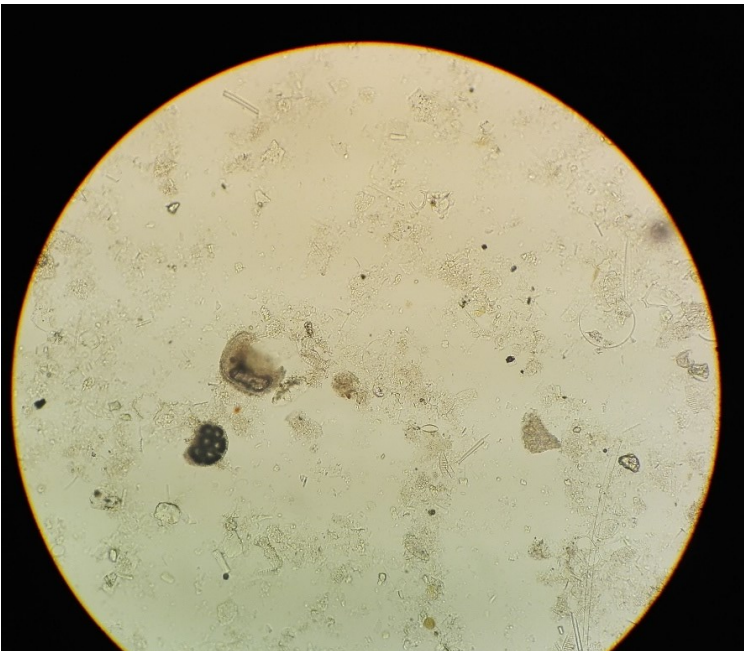


Remarks:
Foram nanno ooze

PS97/122-2 MUC 0-1 cm (630X) polarized

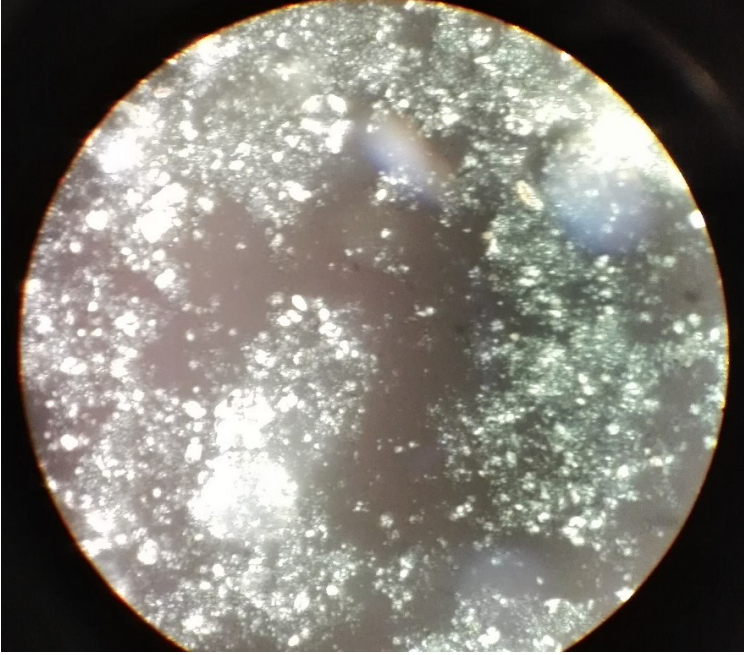


PS97/122-2 MUC 0-1 cm (100X)

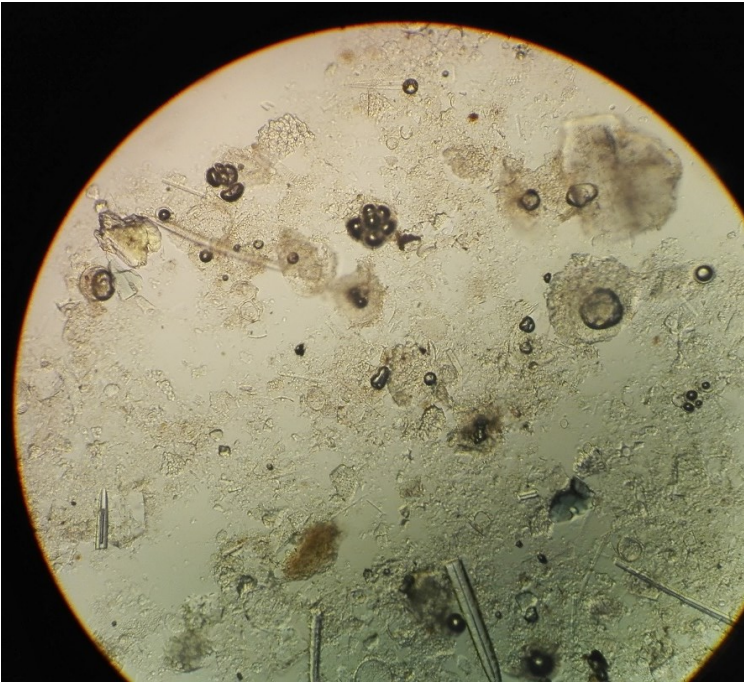


Remarks:
Clayey nannofossil ooze

PS97/128-1 MUC 0-1 cm (630X) polarized

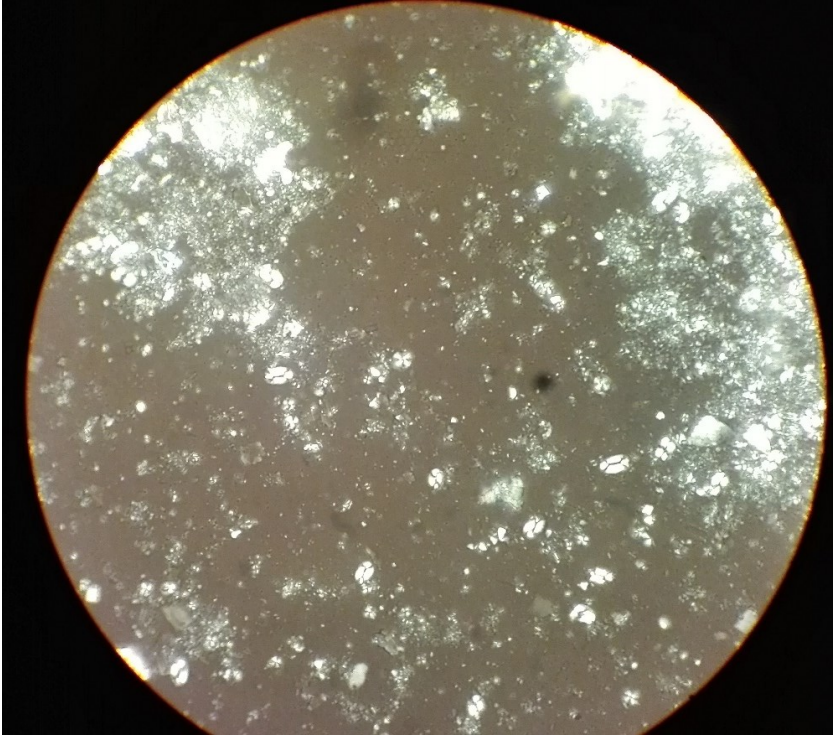


PS97/128-1 MUC 0-1 cm (250X)

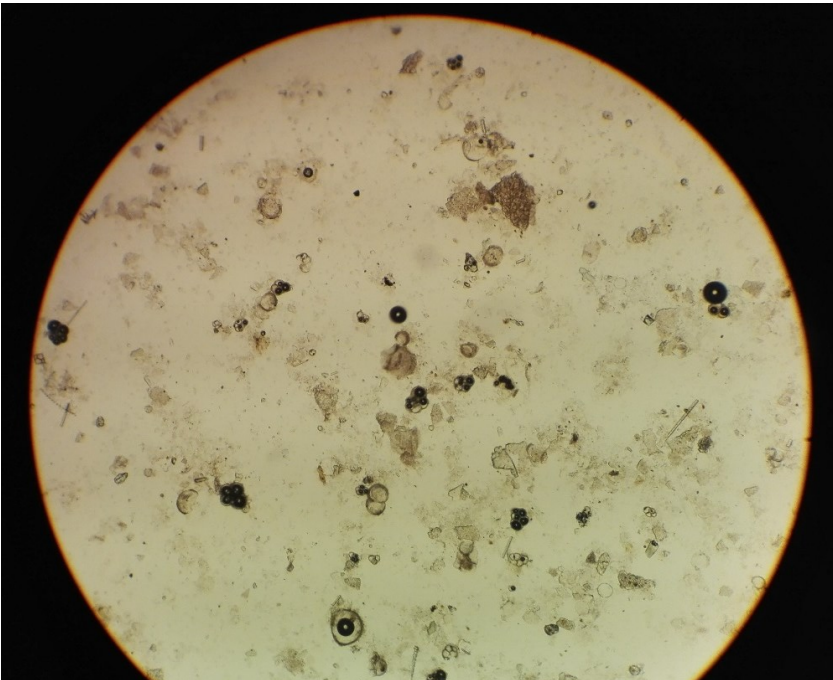


Remarks:
Foram-bearing nannofossil ooze

PS97/129-2 MUC 0-1 cm (630X) polarized

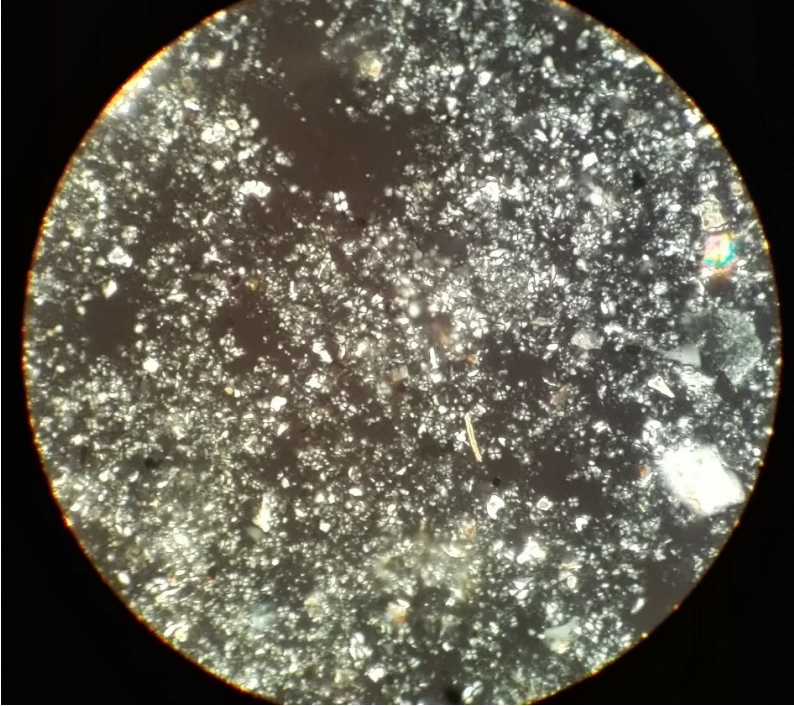


PS97/129-2 MUC 0-1 cm (100X)

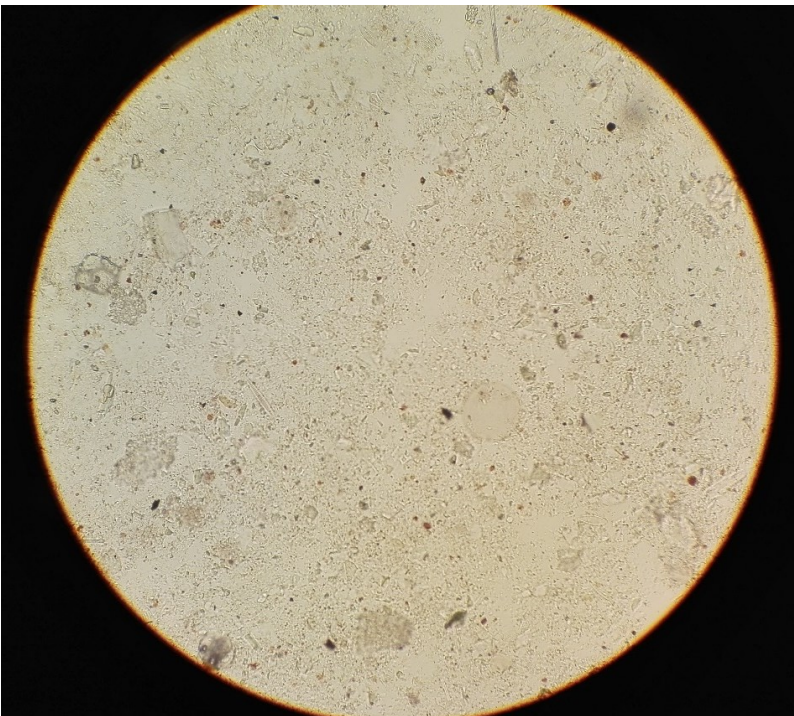


Remarks:
Foram and nanno-bearing sandy clay
Bioclasts are fragmented foraminifers. Coccospheres observed.

PS97/114-1 MUC 0-1 cm (630X) polarized



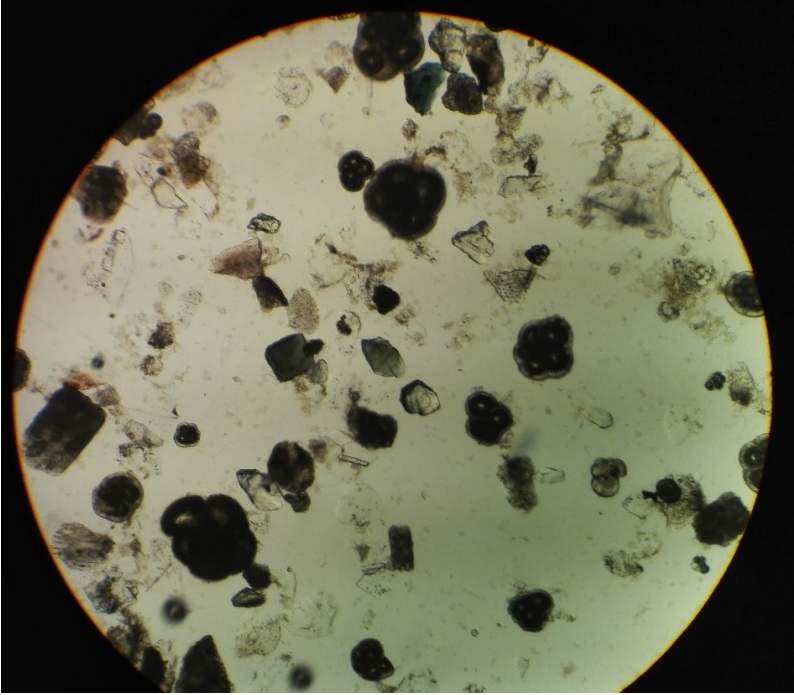
PS97/114-1 MUC 0-1 cm (250X)



Remarks:

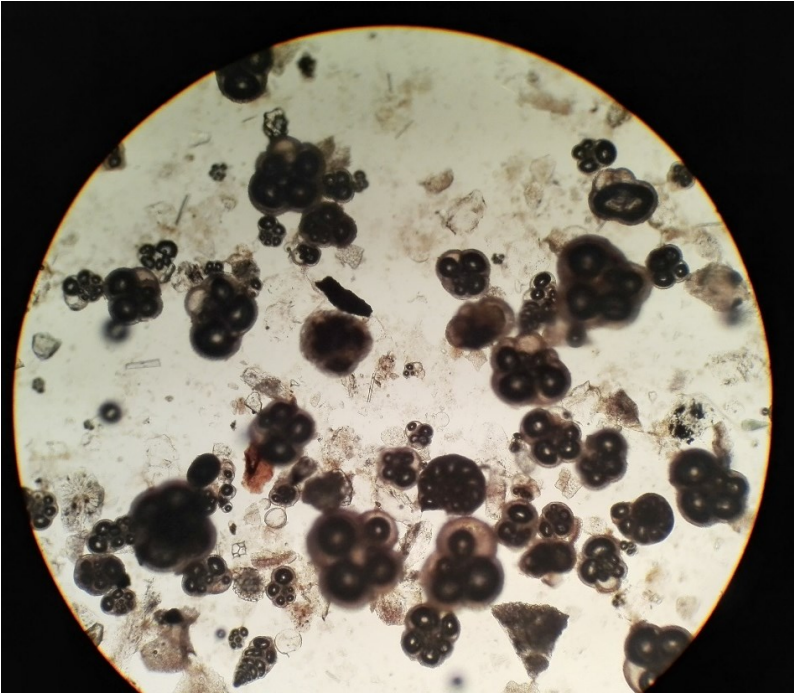
Foram and diatom-bearing nanno ooze
Bioclasts are fragmented foraminifers.

PS97/132-1 MUC 0-1 cm (100X)



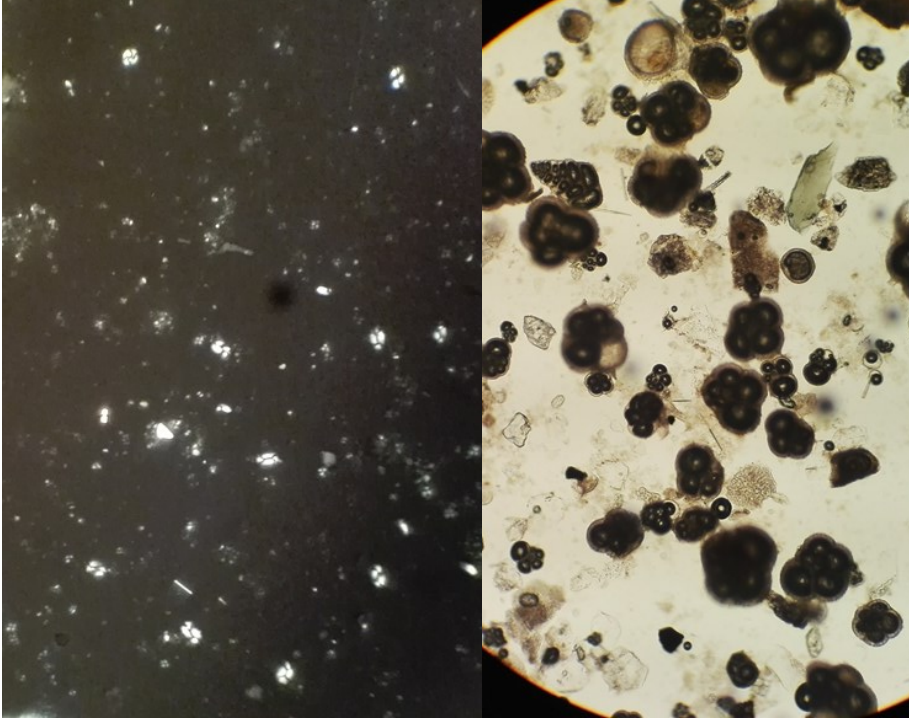
Remarks:
Foram-sand

PS97/131-1 MUC 0-1 cm (100X)



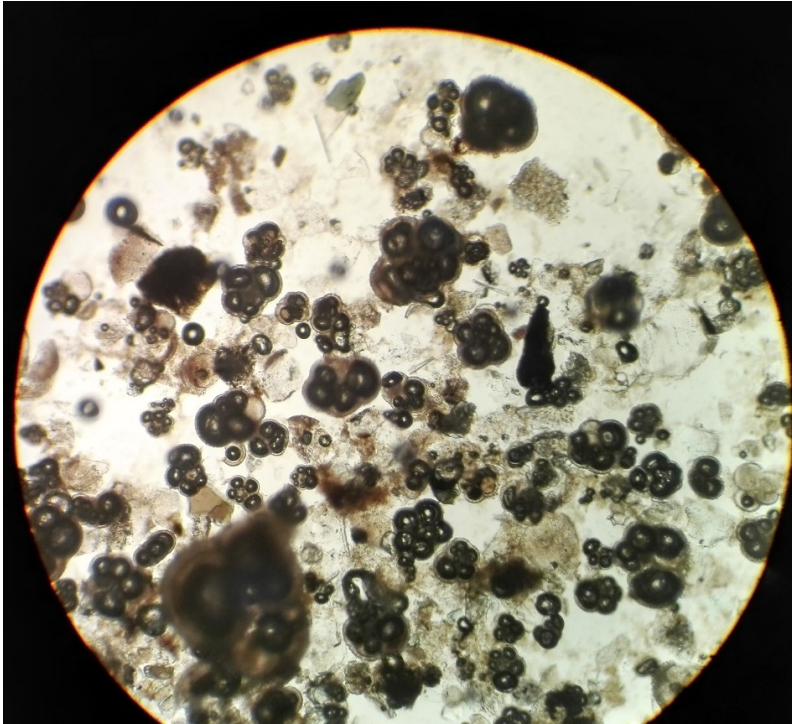
Remarks:
Foram-sand

PS97/135-1 MUC 0-1 cm (630X pol and 100X)



Remarks:
Nanno-bearing foram sand

PS97/134-1 MUC 0-1 cm (100X)



Remarks:
Foram-sand

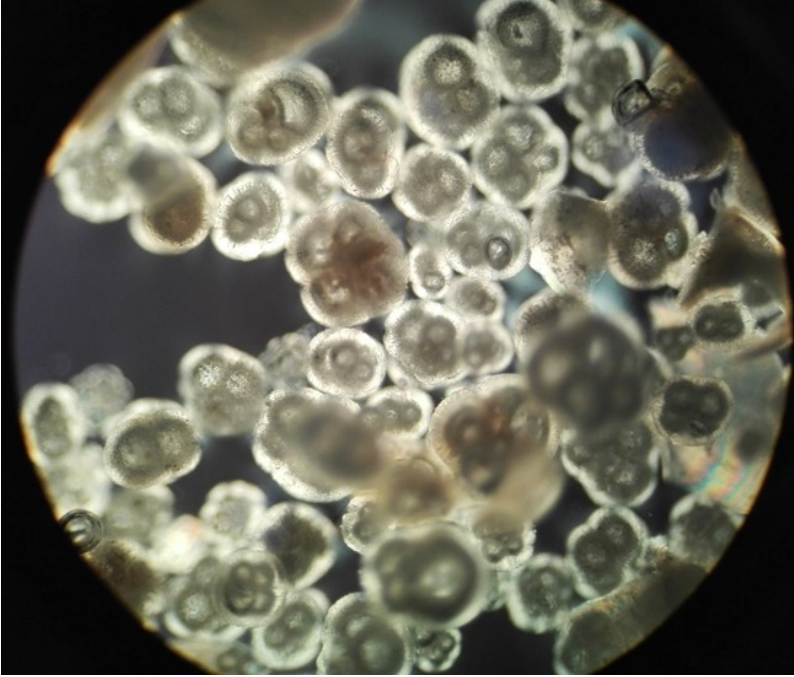
ANT-XXXI/3

Smear slide evaluation form for western Drake, south of Polar Front (DP west-south)

Station number	PS97/042-1	PS97/044-1	PS97/045-1	PS97/046-6	PS97/048-1	PS97/049-2	PS97/052-3	PS97/053-1
	MUC, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm	MUC, 0-1 cm
MINERALS	47	1	7.5	9.5	13.5	51	73	57
Quartz	10	0.5	2	5	5	5	20	10
Feldspar	0.5					0.5	0.5	1
Rock fragments	0.5					10	35	10
Mica	1			0.5	0.5	0.5	0.5	1
Clay	28		5	2	4	28	10	28
Accessory minerals	5	0.5	0.5	1	2	5	5	5
FeS/Fe oxides	2			1	2	2	2	2
BIOGENIC	53	99	92.5	90.5	86	49	27	43.5
Forams	3	90	30	30	20	3	5	
Nannos	1		12	0.5	0.5	1	0.5	
Diatoms	40		44	25	40	30	16	40
Radiolarians	1		1	2	1	2	1	1
Sp spicules	1			0.5	0.5	1	1	1
Silicoflagellates	1		0.5	0.5	1	2	0.5	1
Bioclasts	5	9	5	19	14	5		
Micrite	1			13	9	5	3	0.5
Sediment name	Silt-bearing diatom ooze	Foram sand	Nanno-bearing foraminiferal diatom ooze	Diatomaceous foram ooze	Foram-bearing diatom ooze	Clay & rock fragments-bearing diatom ooze	Diatom & rock fragments-bearing sand	Clayey diatom ooze
Total	100	100	100	100	99.5	100	100	100.5

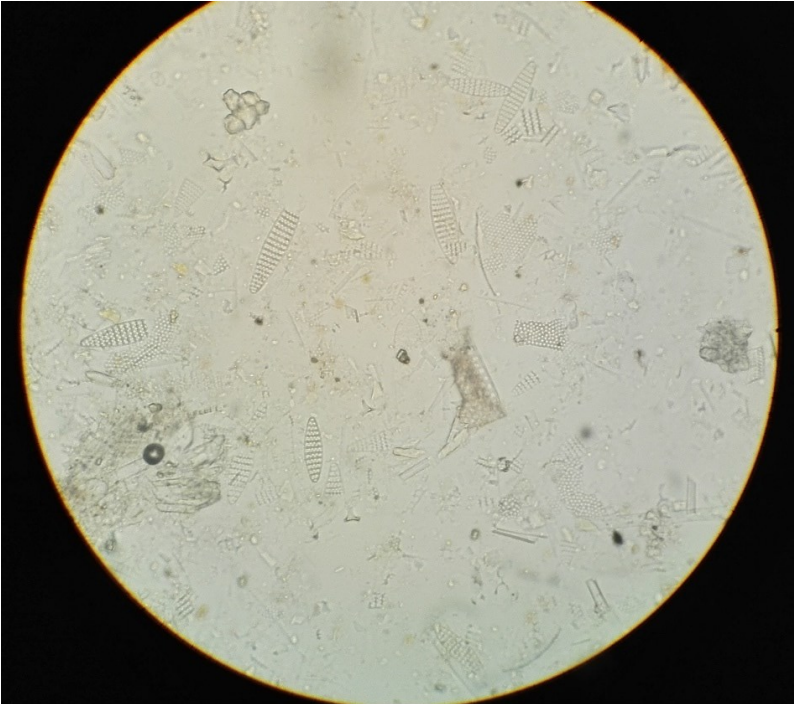
A 0.5 value was assigned to <1

PS97/044-1 MUC 0-1 cm (100X)



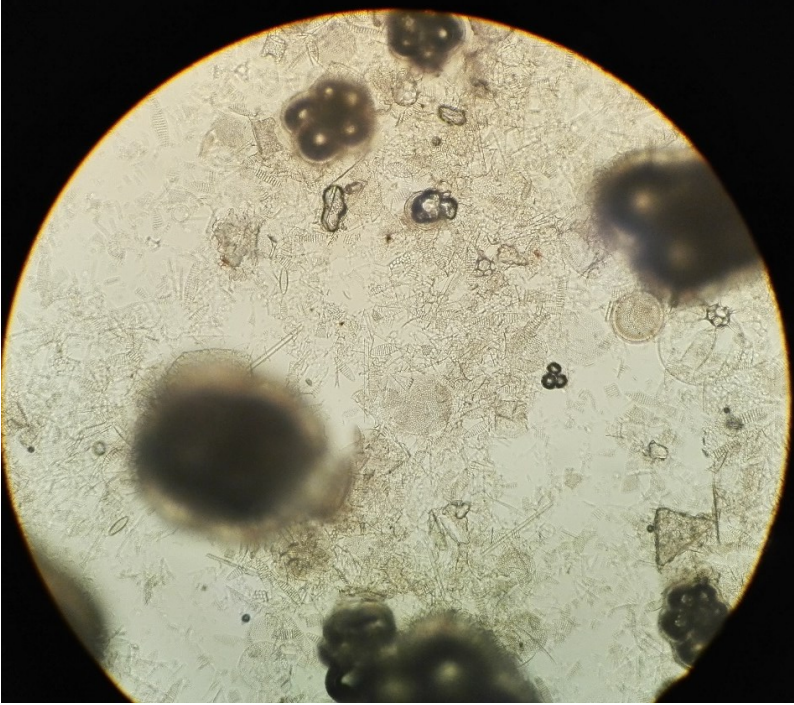
Remarks:
Foram sand
Surface of MUC with abundant coral fragments
and Polychaeta tubes

PS97/042-1 MUC 0-1 cm (630X)

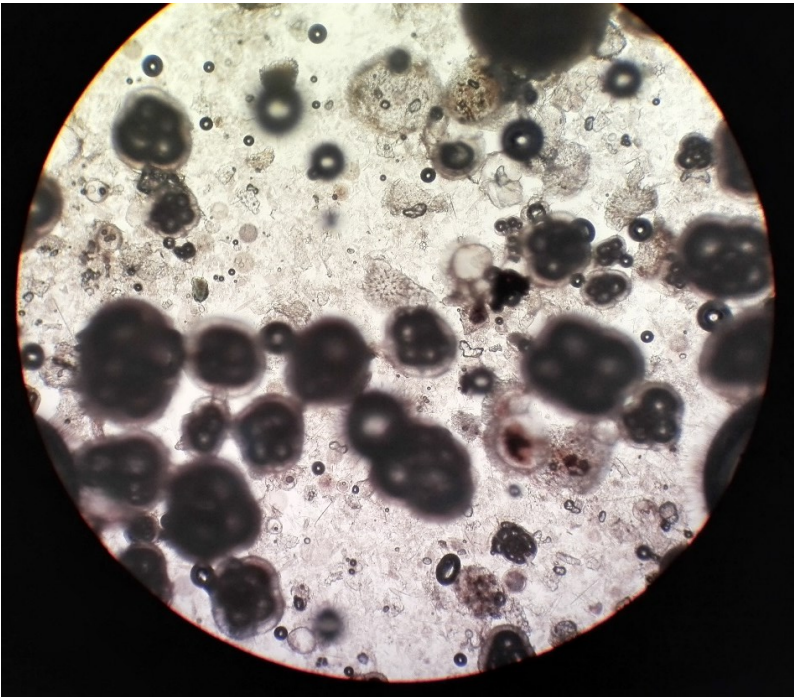


Remarks:
Silt-bearing diatom ooze
Abundant *Fragilariopsis kerguelensis*

PS97/045-1 MUC 0-1cm (250X)

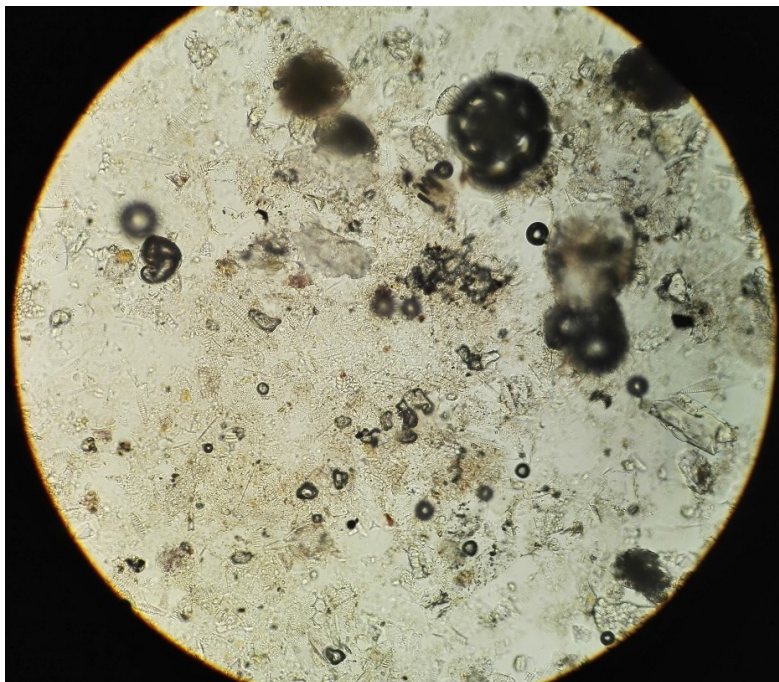


PS97/045-1 MUC 0-1 cm (100X)



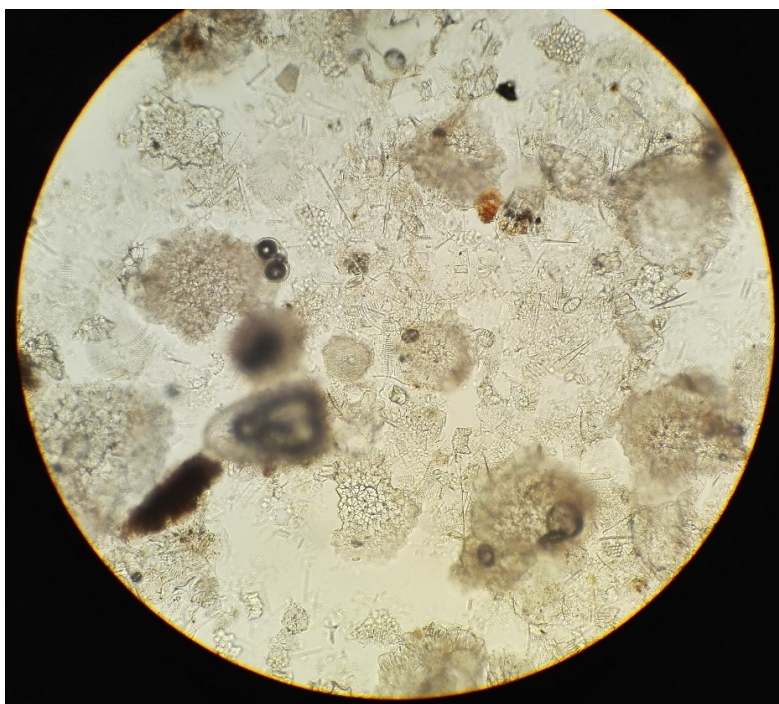
Remarks:
Foram sand with abundant diatoms (*Fragilariopsis kerguelensis*)

PS97/048-1 MUC 0-1 cm (250X)



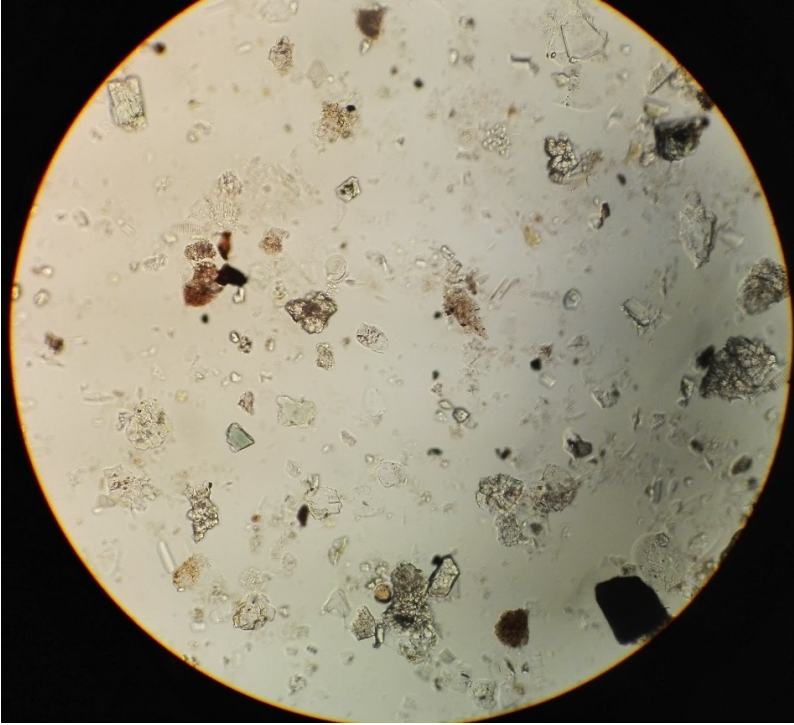
Remarks:
Foram-bearing diatom ooze

PS97/046-6 MUC 0-1 cm (250X)



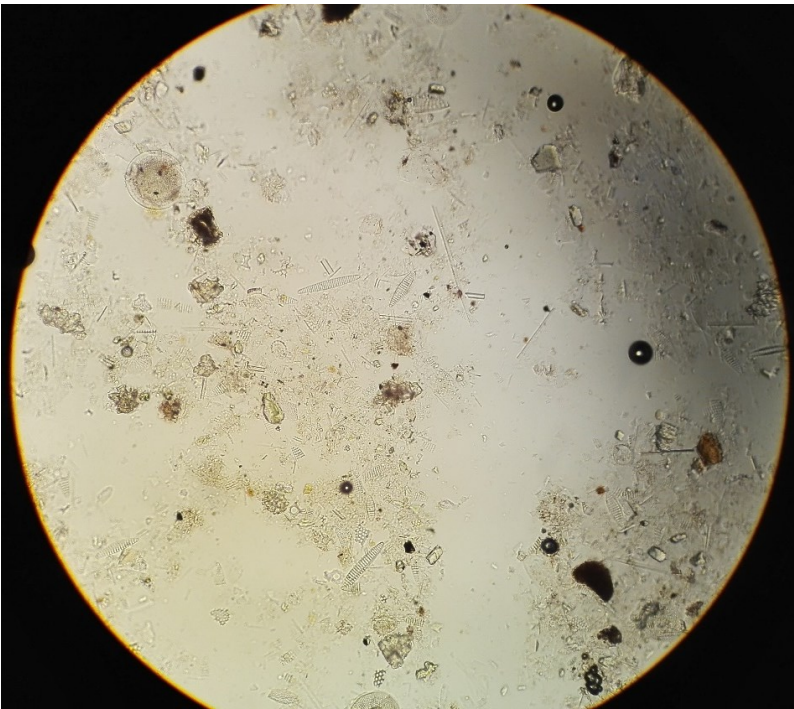
Remarks:
Diatomaceous foram ooze
Bioclasts are fragmented forams

PS97/052-3 MUC 0-1 cm (250X)



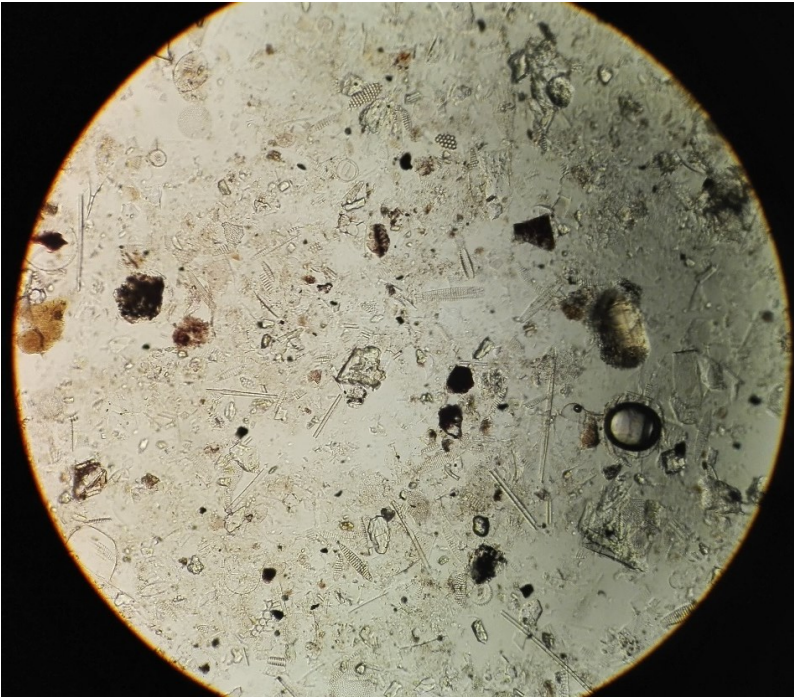
Remarks:
Diatom & rock fragments-bearing sand
Lithoclastic sediment. Many fragmented diatoms.

PS97/049-2 MUC 0-1 cm (250X)



Remarks:
Clay & rock fragments-bearing diatom ooze

PS97/053-1 MUC 0-1 cm (250X)



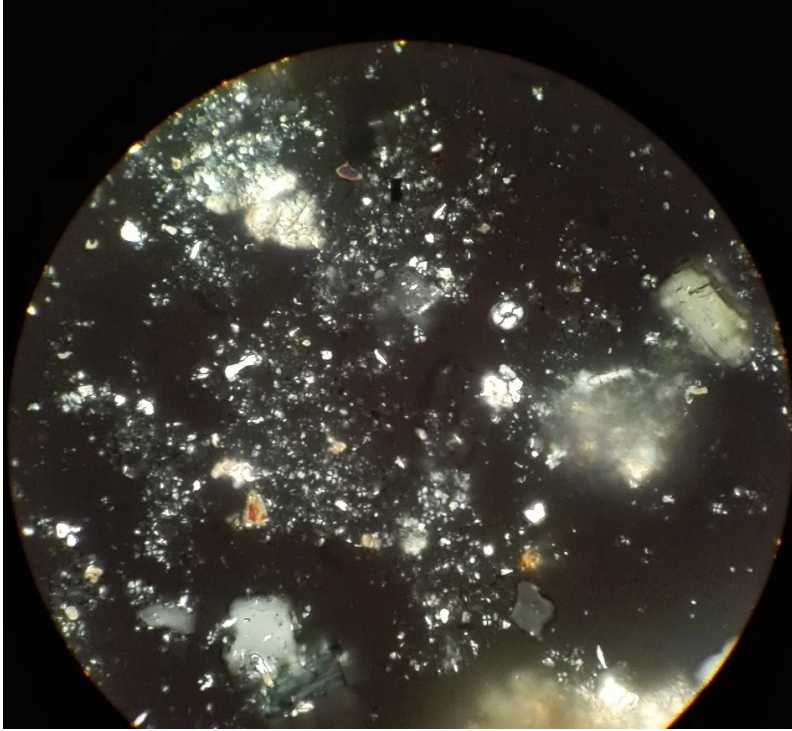
Remarks:

Clay-bearing diatom ooze
Very good preservation of diatoms.

ANT-XXXI/3
Smear slide evaluation form for western Drake, north of SAF

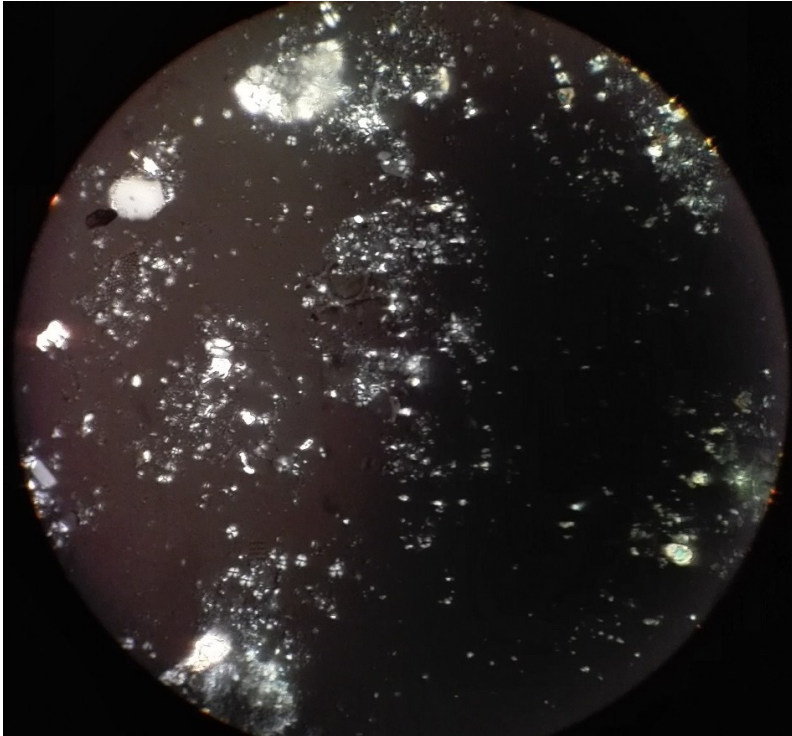
Station number	PS97/093-3	PS97/094-1
	MUC, 0-1 cm	MUC, 0-1 cm
MINERALS	69	61
Quartz	9	10
Feldspar	1	1
Rock fragments	0.5	1
Mica	0.5	1
Clay	53	44
Volcanic glass	1	
Accessory minerals	3	3
FeS/Fe oxides	1	1
BIOGENIC	31.5	39
Forams	2	3
Nannos	15	15
Diatoms	5	1
Radiolarians	1	1
Sp spicules	1	1
Silicoflagellates	0.5	1
Pellet		
Bioclasts	5	10
Micrite	2	7
<i>Sediment name</i>	Nanno-bearing silty clay	Nanno and sand-bearing clayey silt
Total	100.5	100

PS97/094-1 MUC 0-1cm (630X) polarized



Remarks:
Nanno and sand-bearing clayey silt
Bioclasts are fragmented forams

PS97/093-3 MUC 0-1 cm (630X) polarized



Remarks:
Nanofossil silty clay

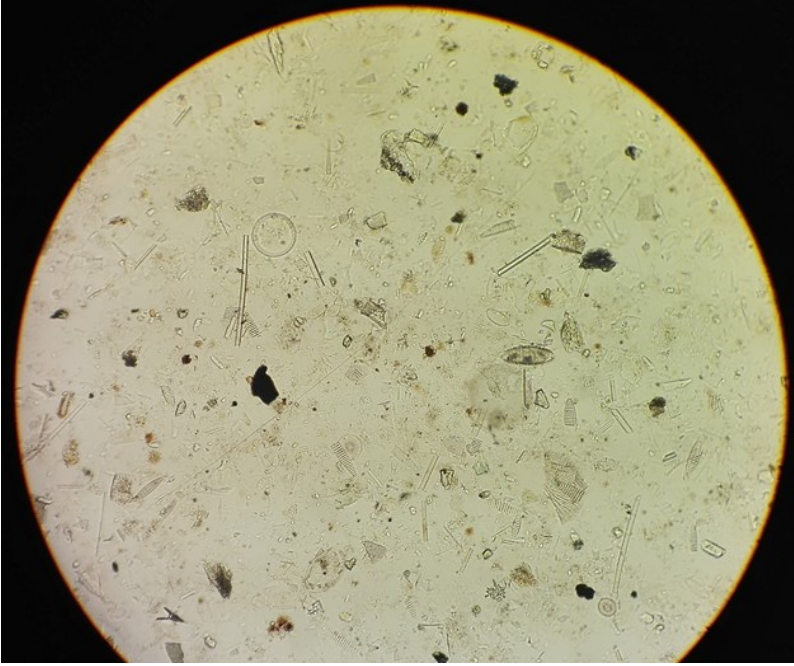
ANT-XXXI/3
Smear slide evaluation form for Central Drake Passage (DP Central)

Station number	PS97/074-1 MUC, 0-1 cm	PS97/077-1 MUC, 0-1 cm	PS97/079-1 MUC, 0-1 cm	PS97/080-2 MUC, 0-1 cm	PS97/083-1 MUC, 0-1 cm	PS97/084-2 MUC, 0-1 cm	PS97/085-2 MUC, 0-1 cm	PS97/086-2 MUC, 0-1 cm	PS97/089-2 MUC, 0-1 cm
MINERALS	91	70	66	51	48.5	62.5	52	50	58.5
Quartz	35	15	15	20	20	15	25	10	7
Feldspar	2	1	1	2	2	1	2	1	2
Rock fragments	24	1	3	3	3	3	5	2	2
Mica	3	2	0.5	0.5	0.5	1	1	0.5	0.5
Clay	15	45	40	17	14	35	10	33	40
Volcanic glass			0.5	0.5		0.5			1
Accessory minerals	10	5	5	5	7	5	7	3	5
FeS/Fe oxides	2	1	1	3	2	2	2	0.5	1
 BIOGENIC	9.5	30	34	49	53	38	48	50.5	42
Forams			1	5	20	1	10	25	10
Nannos			1	1	1	1	5	10	5
Diatoms	8	26	20	20	24	25	10	5	5
Radiolarians	0.5		3	5	1	1	1	1	0.5
Sp spicules	0.5	2	2	1	0.5	1	2	0.5	1
Silicoflagellates	0.5	2	2	2	0.5	1	1	2	0.5
Pellet									
Bioclasts			4	14	5	5	14	5	15
Micrite			1	1	1	3	5	2	5

<i>Sediment name</i>	Clay-bearing sandy silt	Silty diatomaceous clay	Silty diatomaceous clay	Clay and sand-bearing diatomaceous silt	Clay-bearing foram and diatom sandy silt	Clay-bearing diatomaceous silt	Foram and diatom-bearing sandy silt	Nanno-bearing foram sand	Foram-bearing clayey silt
Total	100.5	100	100	100	101.5	100.5	100	100.5	100.5

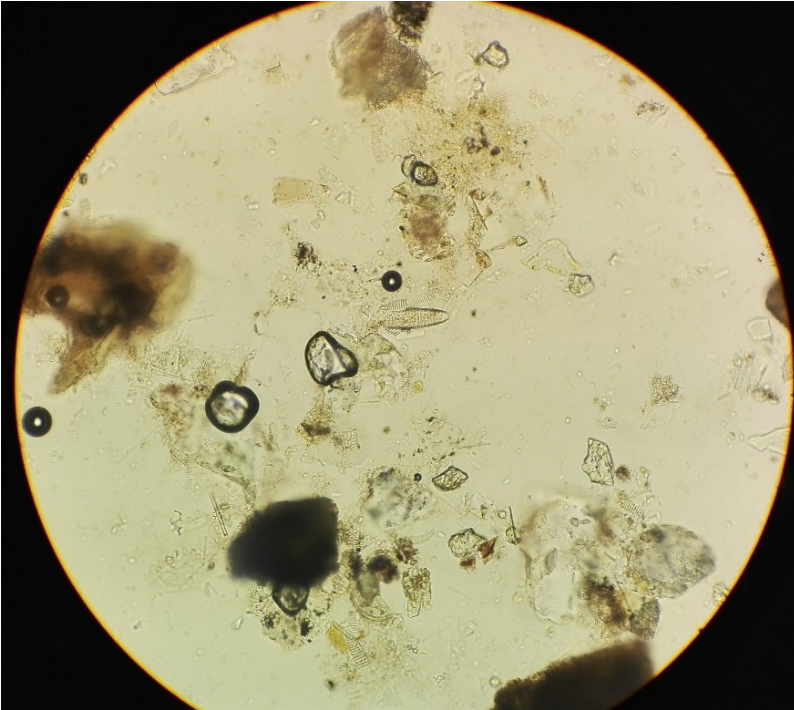
A 0.5 value was assigned to <1

PS97/077-1 MUC 0-1 cm (250X)



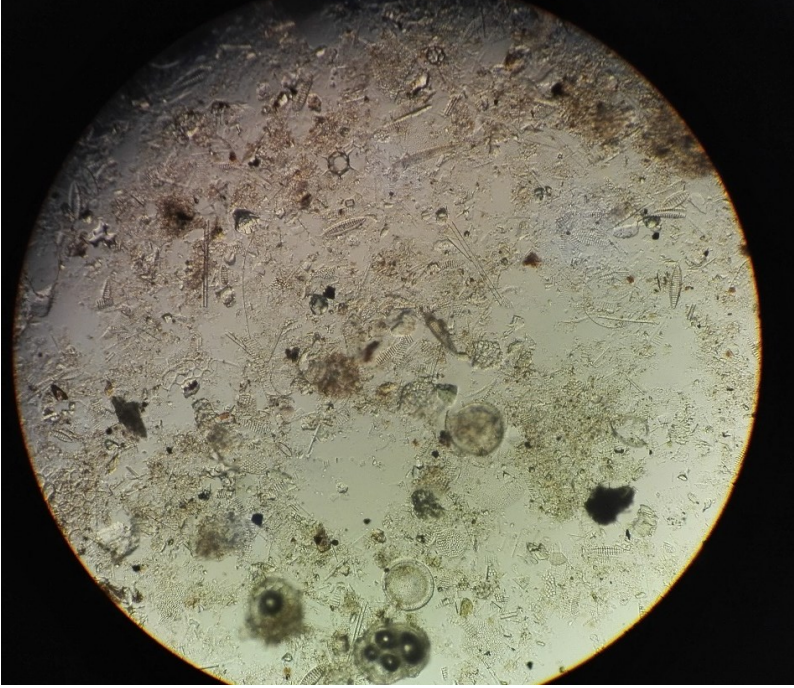
Remarks:
Silty diatomaceous clay
Abundant *Thalassiothrix antarctica*

PS97/074-1 MUC 0-1 cm (250X)



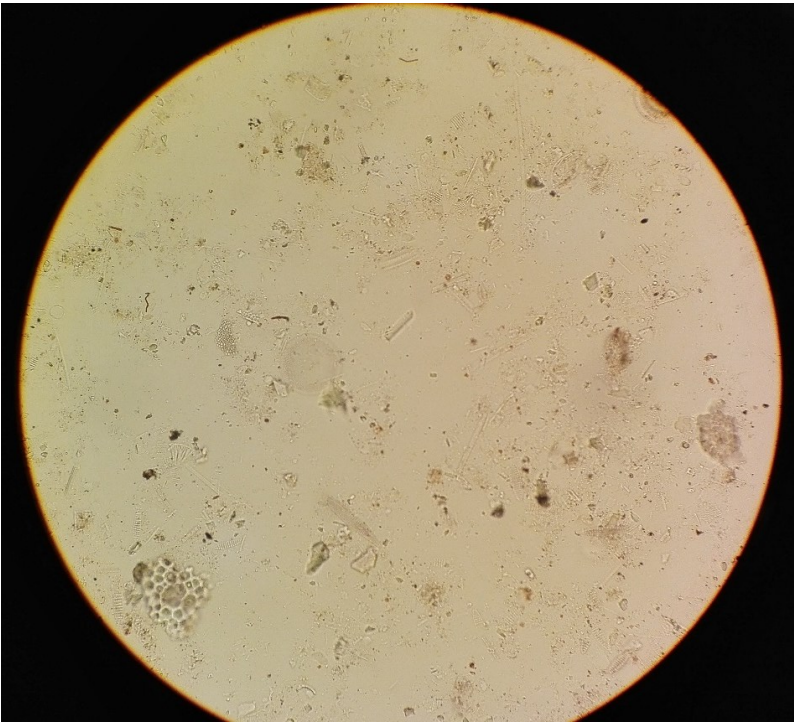
Remarks:
Clay-bearing sandy silt
Common rock fragments

PS97/080-2 MUC 0-1cm (250X)



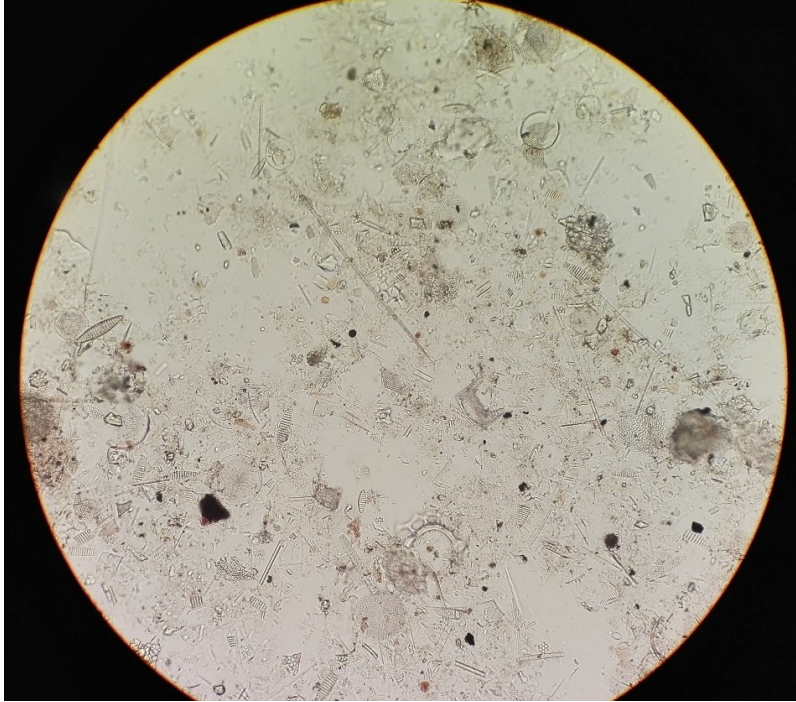
Remarks:
Clay and sand-bearing diatomaceous silt
Bioclasts are foram and radiolarian fragments.
Common *Thalassiothrix antarctica* fragments

PS97/079-1 MUC 0-1 cm (250X)



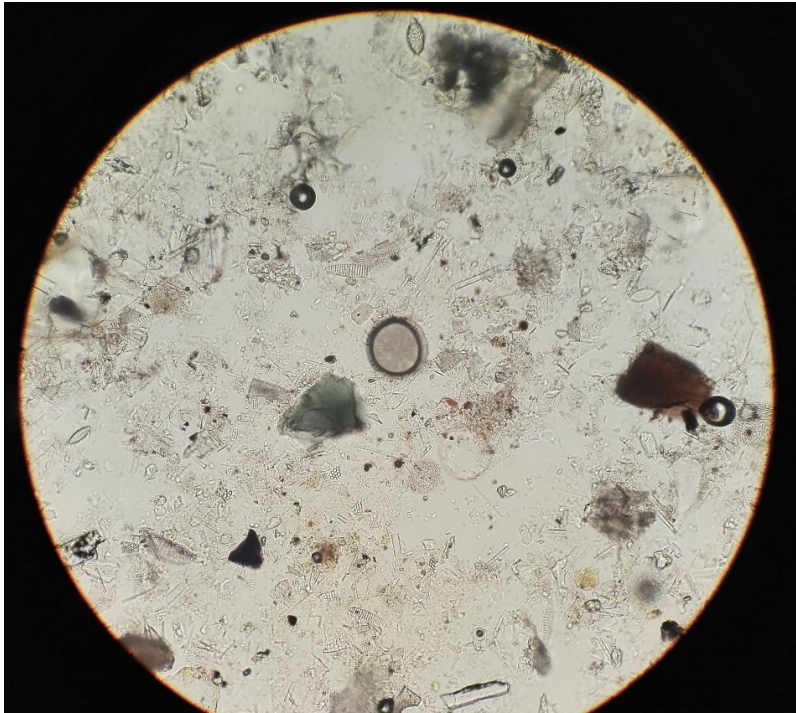
Remarks:
Silty diatomaceous clay
Common *Thalassiothrix antarctica* fragments

PS97/084-2 MUC 0-1 cm (250X)



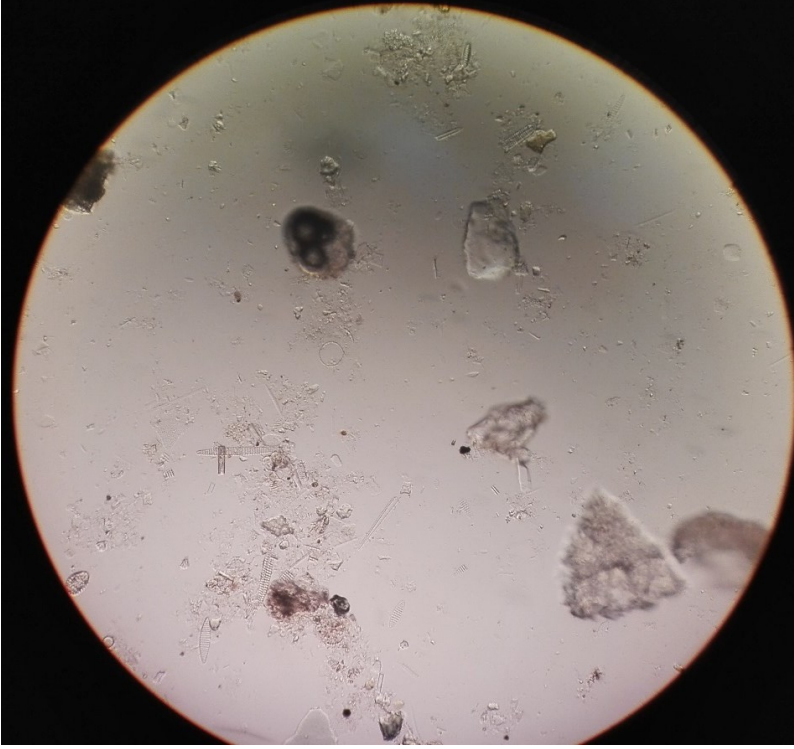
Remarks:
Clay-bearing diatomaceous silt
Common *Fragilariopsis kerguelensis* and frequent *Thalassiothrix antarctica* fragments

PS97/083-1 MUC 0-1 cm (250X)



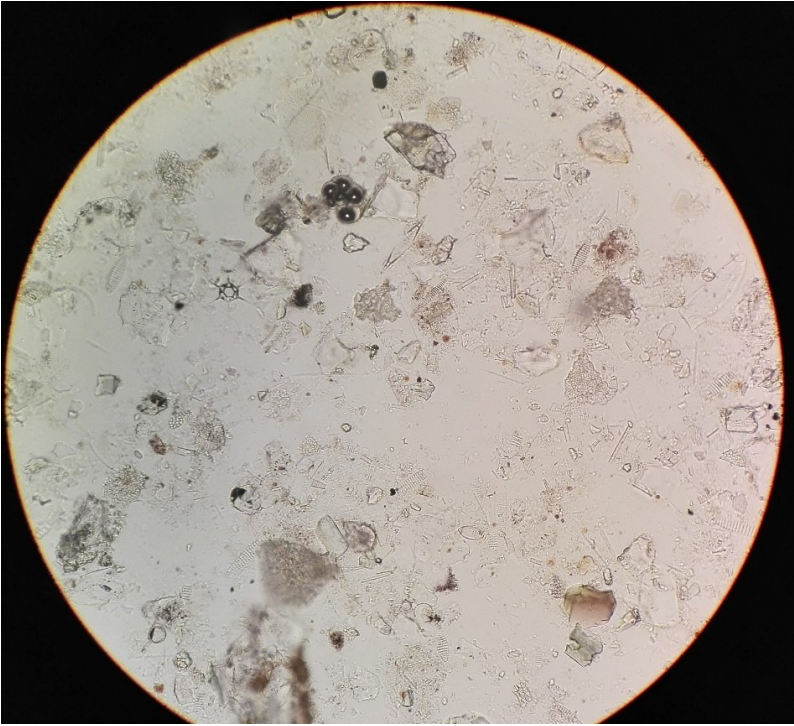
Remarks:
Clay-bearing foram and diatom sandy silt
Bioclasts are foram fragments. Common *Thalassiothrix antarctica* fragments

PS97/086-2 MUC 0-1 cm (250X)



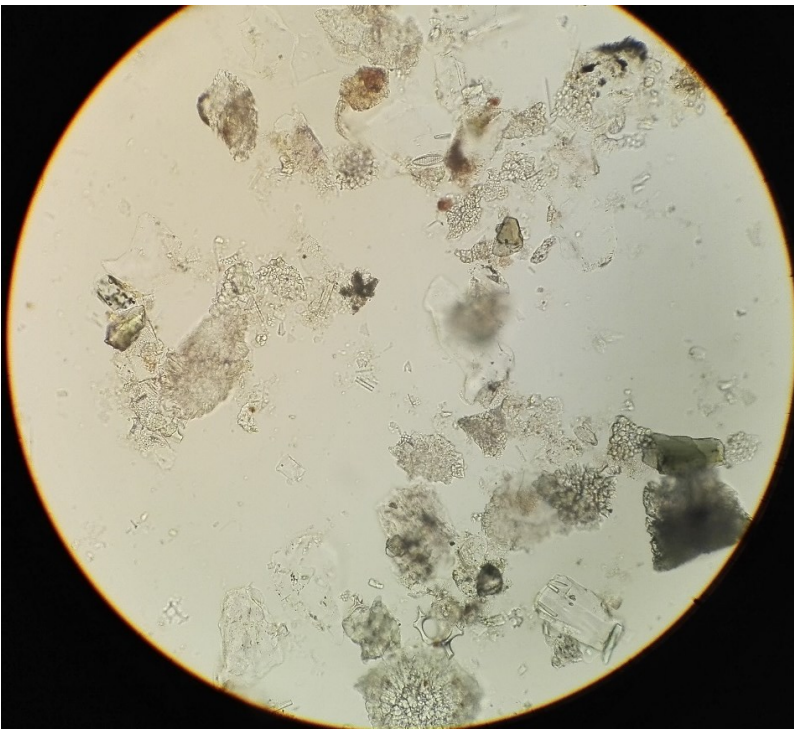
Remarks:
Nanno-bearing foram sand

PS97/085-2 MUC 0-1 cm (250X)



Remarks:
Foram and diatom-bearing sandy silt
Bioclasts are foram fragments.

PS97/ 089-2 MUC 0-1 cm (250X)



Remarks:

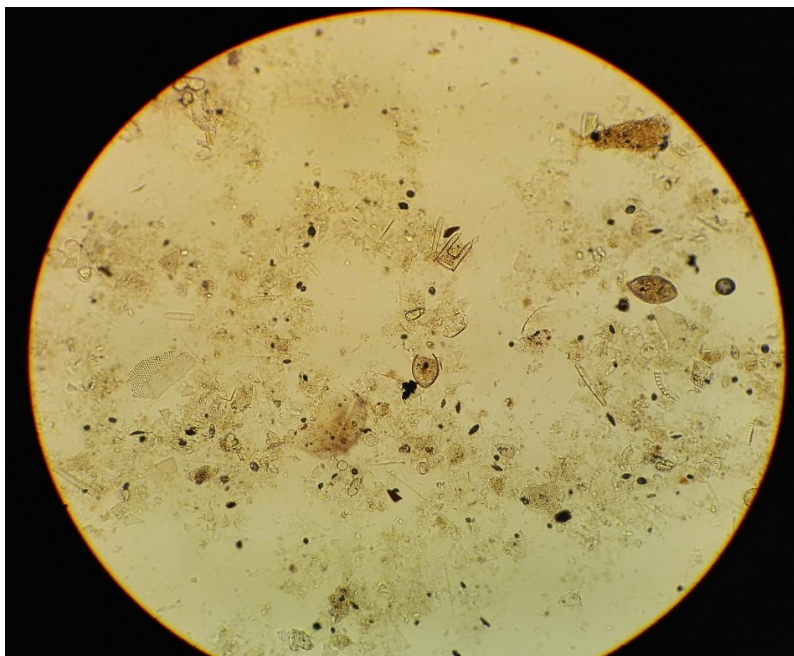
Foram-bearing clayey silt
Bioclasts are foram fragments.

ANT-XXXI/3
Smear slide evaluation form for Bransfield Strait

Station number	PS97/054-2 MUC, 0-1 cm	PS97/055-2 MUC, 0-1 cm	PS97/056-1 MUC, 0-1 cm	PS97/068-2 MUC, 0-1 cm	PS97/069-1 MUC, 0-1 cm	PS97/071-2 MUC, 0-1 cm	PS97/072-2 MUC, 0-1 cm
MINERALS	61.5	56	77.5	88.5	73	77	65.5
Quartz	12	10	15	10	12	10	15
Feldspar	2	0.5	0.5	0.5	2	1	0.5
Rock fragments	5	3	2	0.5	1	3	2
Mica	0.5	0.5	2	0.5	1	1	2
Clay	40	40	53	74	48	52	40
Volcanic glass							
Accessory minerals	2	2	2	2	2	3	4
FeS/Fe oxides			3	1	7	7	2
BIOGENIC	39.5	43.5	22	12.5	28.5	23.5	34.5
Forams	0.5	2			0.5		
Nannos							
Diatoms	38	40	20	11	24	23	33
Radiolarians					0.5		0.5
Sp spicules	1	1	2	1	2	0.5	0.5
Silicoflagellates				0.5	0.5		0.5
Pellet		0.5					
Bioclasts							
Micrite					1		
Sediment name	Silt-bearing diatomaceous clay	Silt-bearing diatomaceous clay	Silt-bearing diatomaceous clay	Diatom-bearing silty clay	Silt-bearing diatomaceous clay	Silt-bearing diatomaceous clay	Silt-bearing diatomaceous clay
Total	101	99.5	99.5	101	101.5	100.5	100

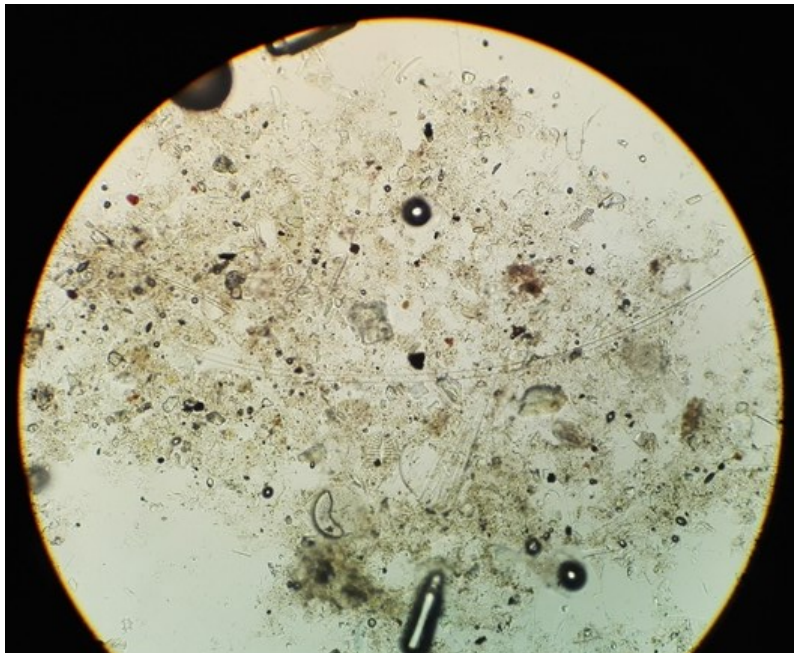
A 0.5 value was assigned to <1

PS97/055-2 MUC 0-1 cm (250X)



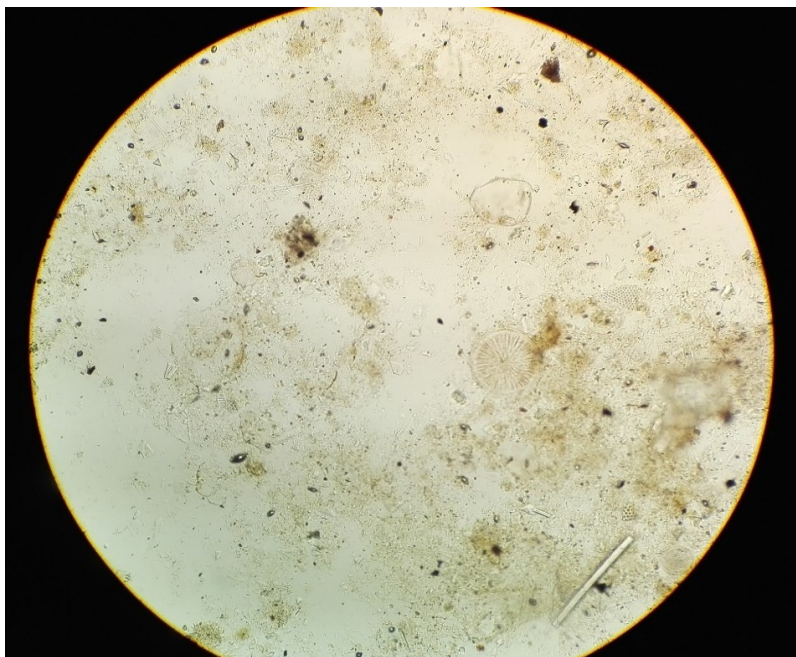
Remarks:
Silt-bearing diatomaceous clay
Resting spores *Chaetoceros* (5%)
Benthic and epiphytic diatoms observed

PS97/054-2 MUC 0-1 cm (250X)



Remarks:
Silt-bearing diatomaceous clay
Resting spores *Chaetoceros* (3%)
Benthic diatoms observed

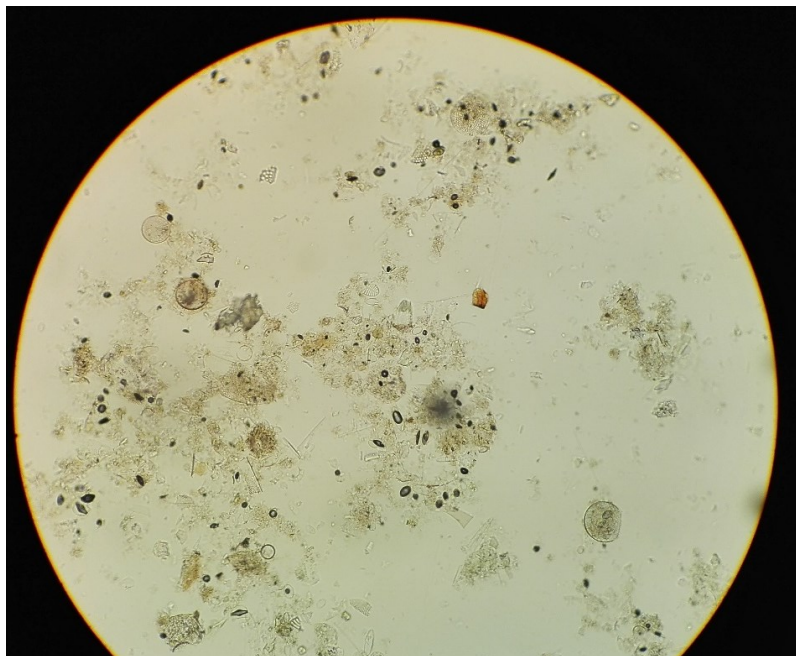
PS97/068-2 MUC 0-1 cm (250X)



Remarks:

Diatom-bearing silty clay
Resting spores *Chaetoceros* (1%)
Benthic diatoms observed

PS97/056-1 MUC 0-1 cm (250X)



Remarks:

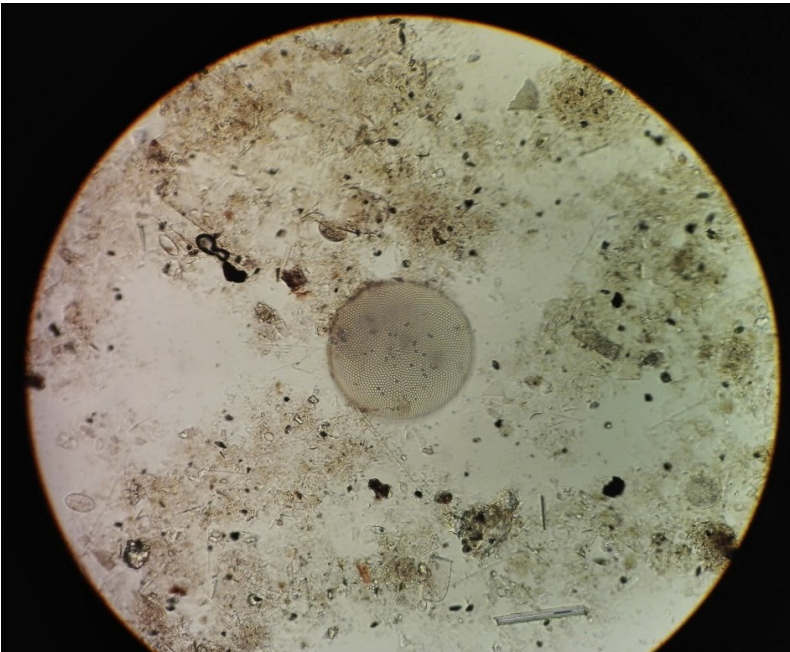
Silt-bearing diatomaceous clay
Resting spores *Chaetoceros* (5%)
Benthic and epiphytic diatoms observed

PS97/71-2 MUC 0-1 cm (250X)



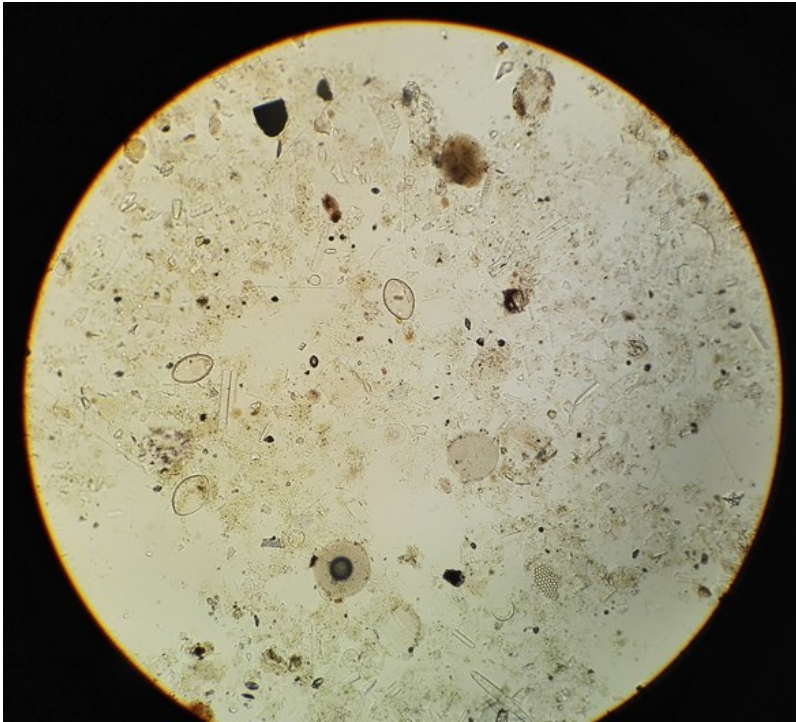
Remarks:
Silt-bearing diatomaceous clay
Resting spores *Chaetoceros* (1%)
Background is *Corethron* setae and spines

PS97/69-1 MUC 0-1 cm (250X)



Remarks:
Silt-bearing diatomaceous clay
Resting spores *Chaetoceros* (4%)
Benthic diatoms observed

PS97/72-2 MUC 0-1 cm (250X)



Remarks:

Silt-bearing diatomaceous clay
Resting spores *Chaetoceros* (3%)
Benthic diatoms observed

Catalogue of 146 coarse fraction descriptions

illustrating the washed sediment on board of R/V Polarstern PS97

The catalogue of 146 descriptions is split into four sets according to the principal areas of PS97

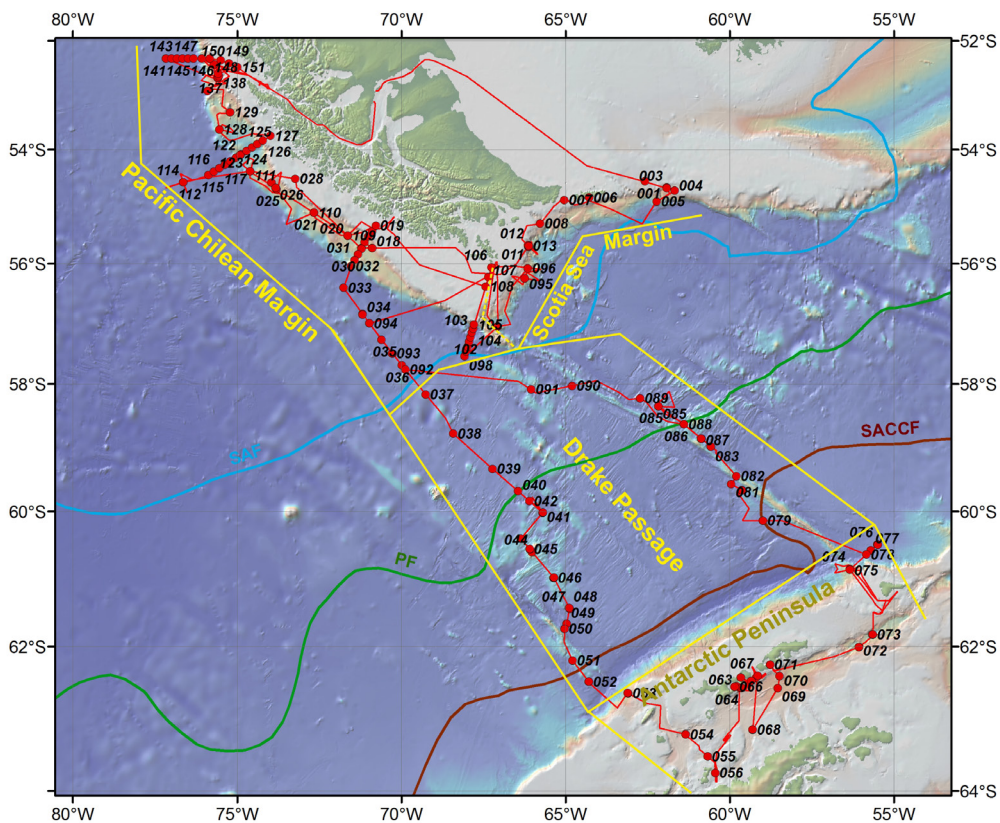
Scotia Sea Margin (PS97/001-013, PS97/095-108)

Pacific Chilean Margin (PS97/014-033, PS97/109-134)

Drake Passage (PS97/034-052, PS97/079-094)

Antarctic Peninsula (PS97/053-078)

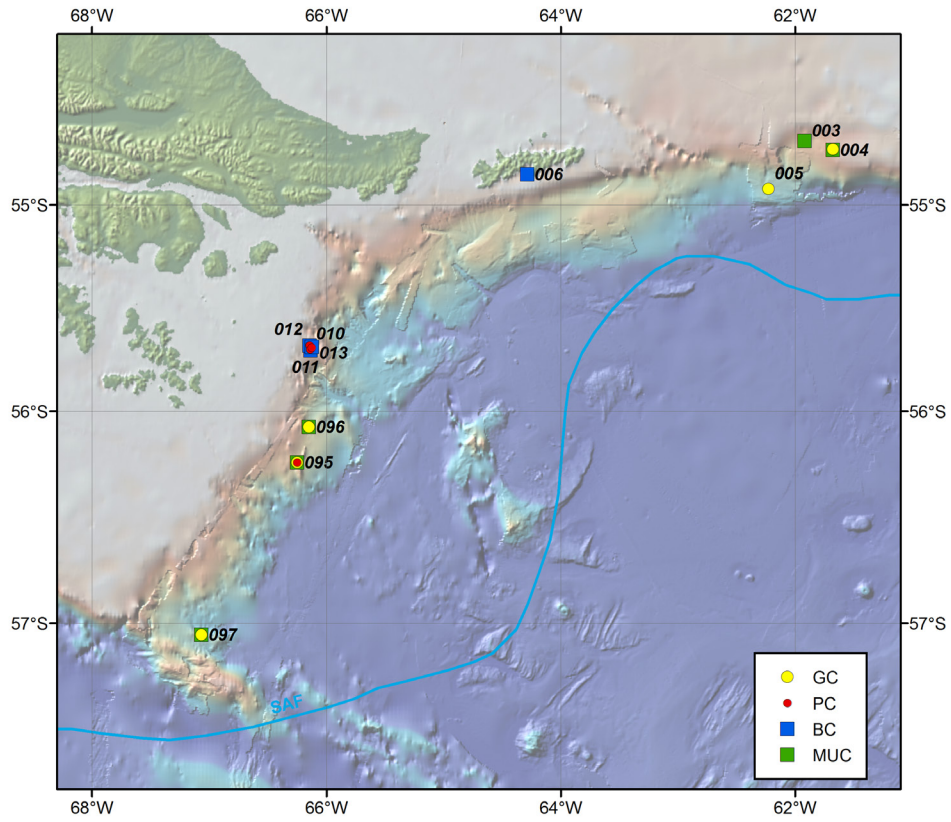
Additional photos of the coarse fractions are available on PANGAEA



Abbreviations:

BF Benthic foraminifer; PF Planktic foraminifera; G. uvula = Globigerinata uvula; G. bull. = Globigerina bulloides; Gt. inflata = Globorotalia inflata; Gt. trunc. = Globorotalia truncatulinoides; Gt. crassaformis = Globorotalia crassaformis; Nps = Neogloboquadrina pachyderma sinistral; Npd = Neogloboquadrina pachyderma dextral

Scotia Sea Margin (PS97/001-013, PS97/095-108)



ANT-
XXXI/3

22.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	006-1GKG	0-1 cm
54° 51.00' S	64° 17.01' W	113.8 m

Sediment name

Bioclastic sand with BF and PF

Percent	Composition
20	Quartz + Feldspar
4	Rock Fragments
1	Mica
1	Volcanic glass
	Accessory minerals
10	Foraminifers
	Diatoms
	Radiolarians
3	Sponge spicules
	Fish remains
	Plant debris
1	Ooids
	Pellets
60	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-006-GKG_TOP-10micon.jpg



Remarks:

>10µm

**ANT-
XXXI/3**

23.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	009-1MUC	TOP
55° 41.07' S	66° 8.61' W	561 m

Sediment name

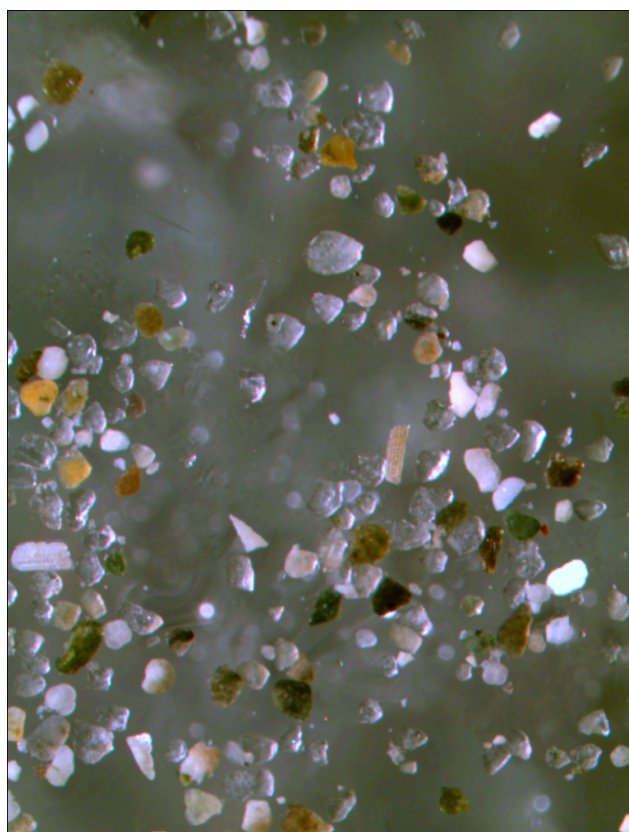
Bioclastic sand with quartz and PF

Percent	Composition
35	Quartz + Feldspar
10	Rock Fragments
	Mica
2	Volcanic glass
1	Accessory minerals
6	Foraminifers
	Diatoms
	Radiolarians
1	Sponge spicules
1	Fish remains
	Plant debris
1	Ooids
40	Pellets
	Bioclasts
97	Sum

Total must equal 100%

Photos:

PS97-009-1MUC-TOP-10micron.bmp



Remarks:

High content of quartz; black rock fragments; BF>>PF.

**ANT-
XXXI/3**

23.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	009-2PC	core top
55° 41.02' S	66° 8.65' W	556 m

Sediment name

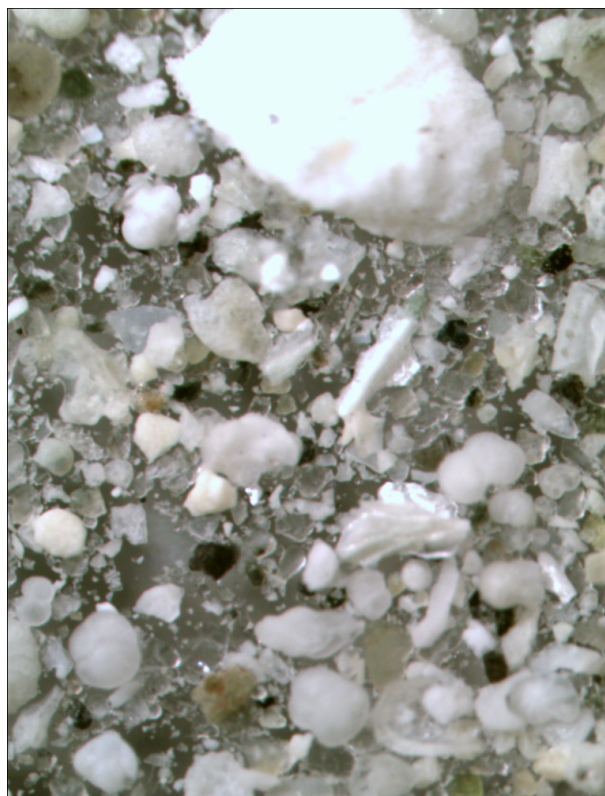
Bioclastic sand with quartz and PF

Percent	Composition
30	Quartz + Feldspar
15	Rock Fragments
traces	Mica
2	Volcanic glass
	Accessory minerals
10	Foraminifers
	Diatoms
	Radiolarians
2	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
40	Bioclasts
99	Sum

Total must equal 100%

Photos:

PS97-009-2KOL_TOP-10micron.bmp



Remarks:

Variety of rock fragments; green ?glaucanite or chlorite, quartzitic sandstones; BF and PF; some rounded bioclasts.

**ANT-
XXXI/3**

23.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	010-1PC	CC
55° 41.66' S	66° 7.55' W	661 m

Sediment name

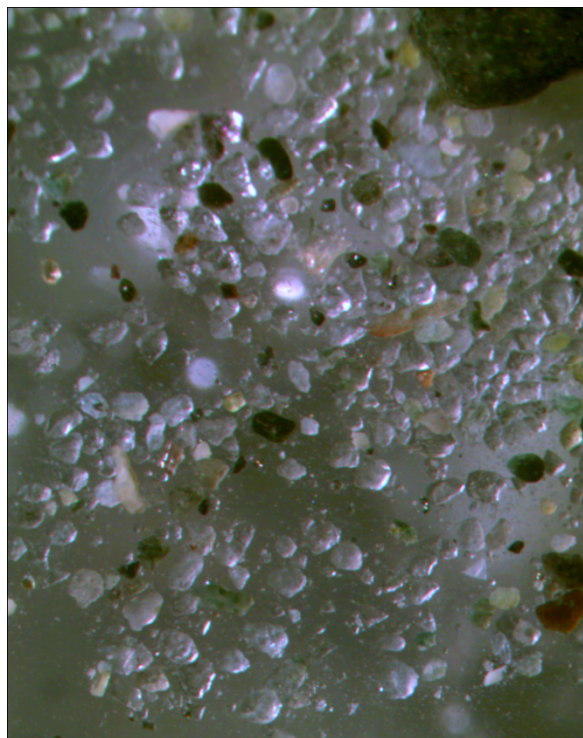
Sand of quartz and dropstones, with
PF and bioklasts

Percent	Composition
60	Quartz + Feldspar
20	Rock Fragments
1	Mica
2	Volcanic glass
2	Accessory minerals
5	Foraminifers
	Diatoms
	Radiolarians
2	Sponge spicules
	Fish remains
	Plant debris
2	Ooids
	Pellets
6	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-010-2KOL_CC_10micron.bmp



Remarks:

>10 μ ; few PF, but well, transparent preserved; typical sample of drop stone facies;
Nps thick-walled, glacial age?

**ANT-
XXXI/3**

23.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	011-1PC	70-71 cm
55° 42.17' S	66° 8.19' W	626 m

Sediment name

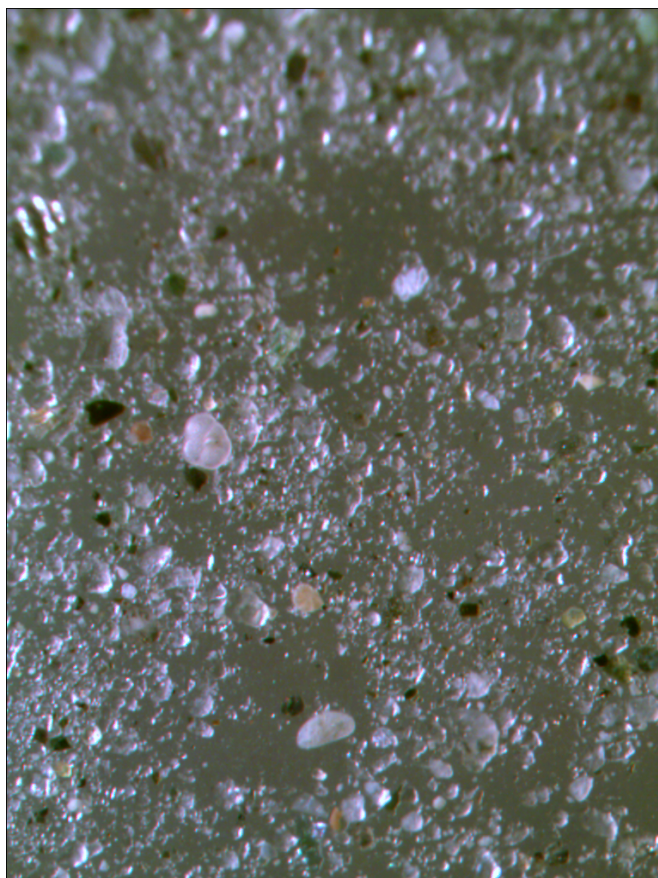
Foraminifer-bearing quartz sand, rock fragments (glacial-marine)

Percent	Composition
86	Quartz + Feldspar
1	Rock Fragments
1	Mica
	Volcanic glass
2	Accessory minerals
8	Foraminifers
	Diatoms
	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
2	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-011-1KOL_70-71cm-10micron.bmp



Remarks:

10µm; well-preserved PF of thick-shelled Nps: glacial age possible because of not "warm" PF-fauna; distinct black minerals grains: ?amphibole; some reddish accessory minerals; Quartz subangular-rounded.

ANT-
XXXI/3

23.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	011-2BC	TOP
55° 42.49' S	66° 8.04' W	667.2 m

Sediment name

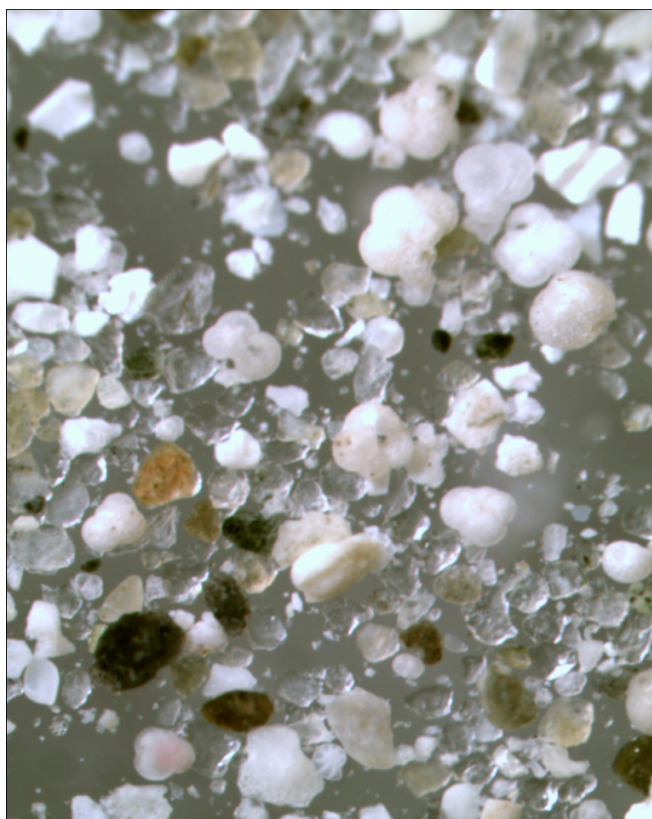
Quartz sand, with many PF

Percent	Composition
40	Quartz + Feldspar
10	Rock Fragments
2	Mica
2	Volcanic glass
1	Accessory minerals
35	Foraminifers
	Diatoms
	Radiolarians
2	Sponge spicules
traces	Fish remains
	Plant debris
2	Ooids
	Pellets
5	Bioclasts
99	Sum

Total must equal 100%

Photos:

PS97-011-2GKG_OFL_10micron.bmp



Remarks:

Quartz sand with many PF, with rock fragments, macro fossil (rounded), dark-colored volcanic glass, brown sand stones, good PF-sample with G. bull, Nps, G. quinqueloba; BF well present.

ANT-XXXI/3

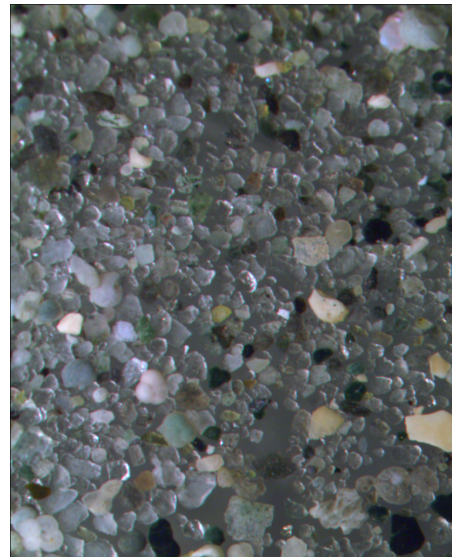
22.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	095-2PC	CC
56° 14.69' S	66° 14.96' W	1644.7 m

Sediment name

Coarse glacial-marine sand with quartz sand and macro-fossils



Percent	Composition
53	Quartz + Feldspar
30	Rock Fragments
	Mica
1	Volcanic glass
5	Accessory minerals
5	Foraminifers
	Diatoms
	Radiolarians
1	Sponge spicules
	Fish remains
	Plant debris/cysts
	Ooids
	Pellets
5	Bioclasts
100	Sum

Total must equal 100%

Photos:

- PS97-095-2PC_CC-63micron-10X-1
- PS97-095-2PC_CC-63micron-10X-2
- PS97-095-2PC_CC-63micron-10X-3
- PS97-095-2PC_CC-63micron-10X-4

Remarks:

Glauconized PF shells and infill; bivalve shell fragments.

ANT-
XXXI/3

22.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	096-1MUC	TOP
56° 4.53' S	66° 8.96' W	1620.7 m

Sediment name

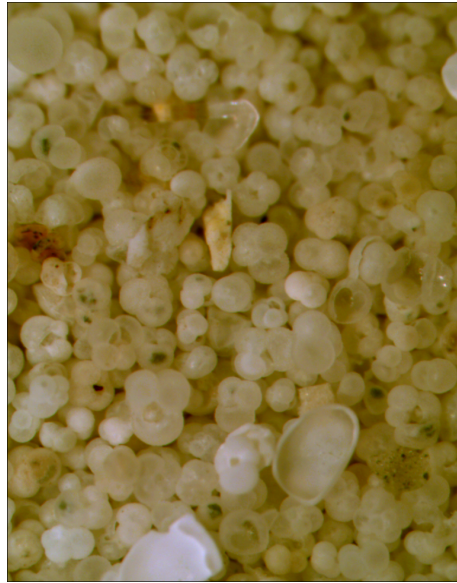
"Clean" foraminiferal sand with small detrital quartz fraction

Percent	Composition
10	Quartz + Feldspar
2	Rock Fragments
	Mica
	Volcanic glass
2	Accessory minerals
86	Foraminifers
	Diatoms
traces	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris/cysts
	Ooids
	Pellets
traces	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-096-1MUC_0-1cm-63micron-16X-1
 PS97-096-1MUC_0-1cm-63micron-16X-2
 PS97-096-1MUC_0-1cm-63micron-16X-3
 PS97-096-1MUC_0-1cm-63micron-16X-4



Remarks:

Very poor mica- ?washed out sediment; PF look "glassy (see photos), well preserved, but too low juveniles and fragments; 1 large, broken shells of Pyrgo; some grains of ?Mn-oxide.

ANT-
XXXI/3

22.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	096-1MUC	BASE
56° 4.53' S	66° 8.96' W	1620.7 m

Sediment name

Quartz sand, dropstones, and PF-fraction
--

Percent	Composition
82	Quartz + Feldspar
5	Rock Fragments
2	Mica
2	Volcanic glass
3	Accessory minerals
5	Foraminifers
	Diatoms
	Radiolarians
1	Sponge spicules
	Fish remains
traces	Plant debris/cysts
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

no pictures

Remarks:

"Greywacke"; PF fraction mostly of Nps, but some G. bull.; possibly glacial age, but Nps not with thick "cortex". BF fraction with <i>Uvigerina</i> ssp.
--

**ANT-
XXXI/3**

23.03.16

Coarse fraction evaluation form

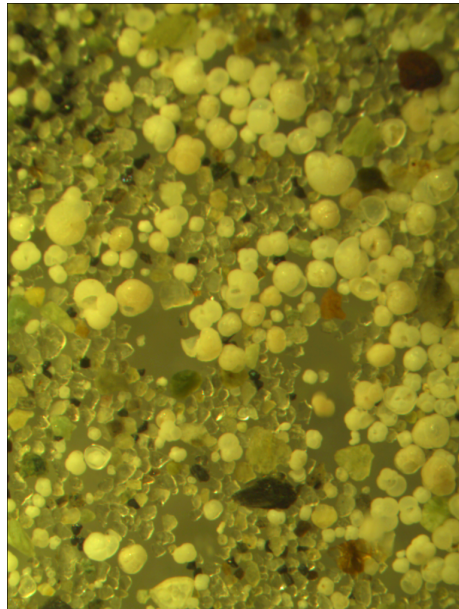
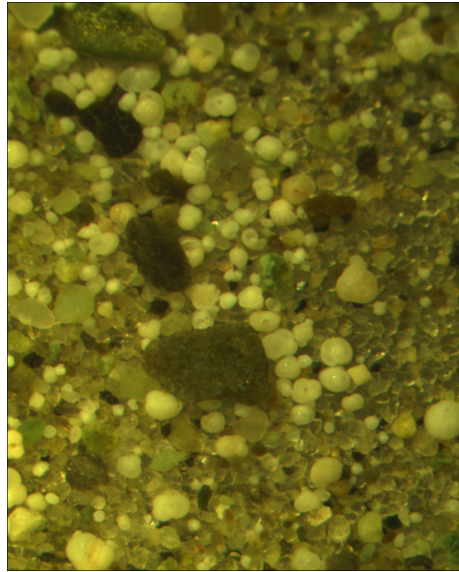
Core	Section	Depth
PS97	097-1MUC	0-1cm
57° 3.27' S	67° 4.00' W	2318.6 m

Sediment name

Foraminiferal sand with quartz and dropstones

Percent	Composition
30	Quartz + Feldspar
30	Rock Fragments
	Mica
	Volcanic glass
5	Accessory minerals
34	Foraminifers
	Diatoms
	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris/cysts
	Ooids
	Pellets
1	Bioclasts
100	Sum

Total must equal 100%



Photos:

PS97-097-1MUC_0-1cm-63micron-10X-1
 PS97-097-1MUC_0-1cm-63micron-10X-2
 PS97-097-1MUC_0-1cm-63micron-10X-3
 PS97-097-1MUC_0-1cm-63micron-10X-

No mica in very "clean" sample indicating washed-out deposit, lacking the fines; however PF in all sizes including juveniles and a small amount of fragments; some staining on PF-shells; fraction of black minerals; large drop stones coated by Fe/Mn crust?

**ANT-
XXXI/3**

23.03.16

Coarse fraction evaluation form

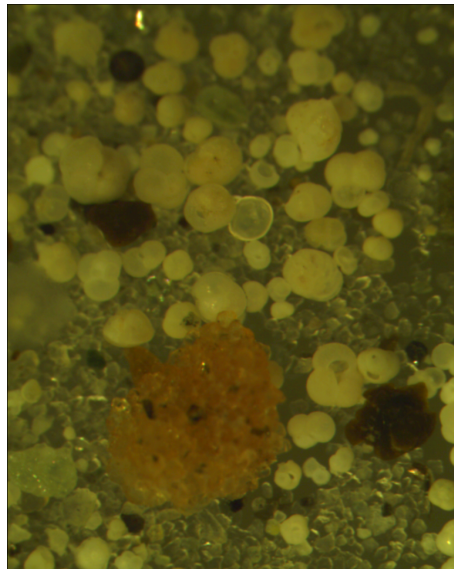
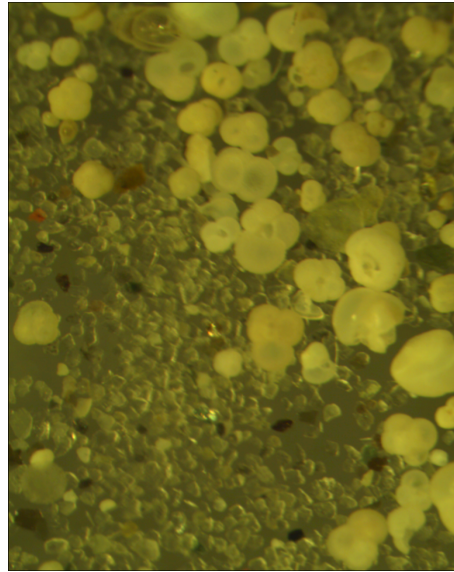
Core	Section	Depth
PS97	097-2GC	CC
57° 3.25' S	67° 4.09' W	2312

Sediment name

Quartz sand with PF and IRD-rock fragments

Percent	Composition
55	Quartz + Feldspar
15	Rock Fragments
2	Mica
	Volcanic glass
3	Accessory minerals
25	Foraminifers
	Diatoms
	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris/cysts
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%



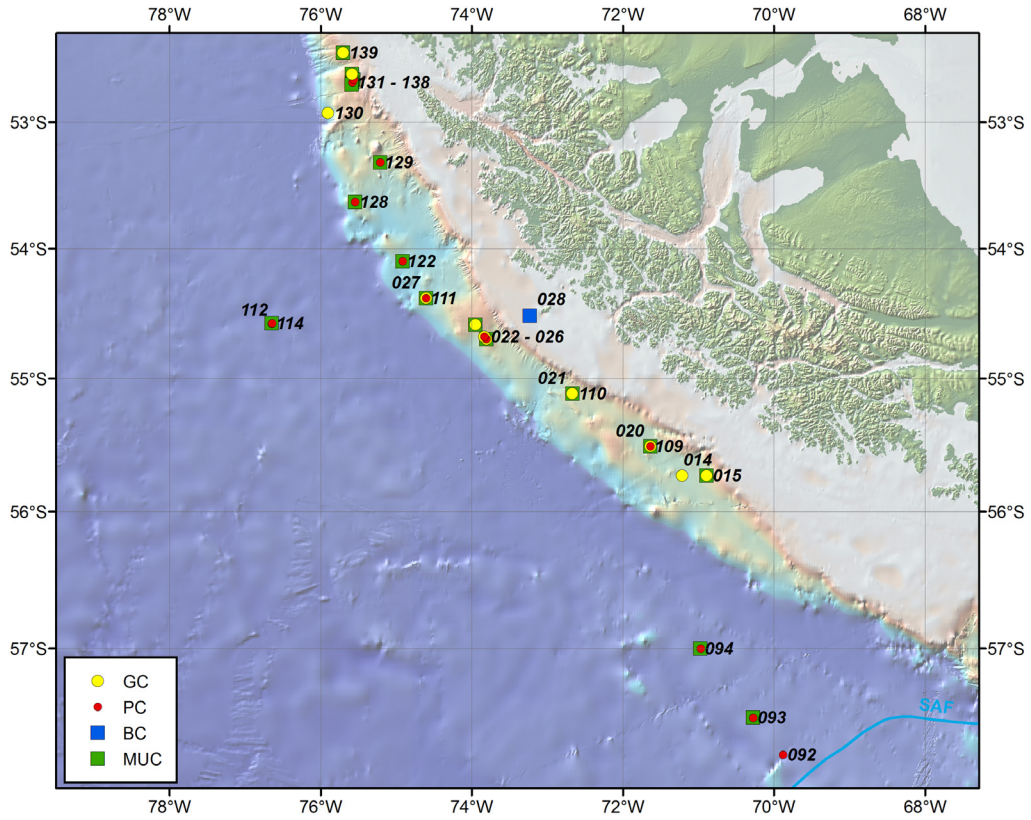
Photos:

PS97-097-2GC-CC-63micron-16X-1
 PS97-097-2GC-CC-63micron-16X-2
 PS97-097-2GC-CC-63micron-16X-3
 PS97-097-2GC-CC-63micron-16X-4

Remarks:

Greenish rock minerals and rock fragments; dark rock fragments dominant; PF look "clean" in all sizes; BF see photo; quartz in large size range; mica!

Pacific Chilean Margin (PS97/014-033, PS97/109-134)



**ANT-
XXXI/3**

24.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	014-1GC	CC
55° 43.93' S	71° 12.94' W	2102.6 m

Sediment name

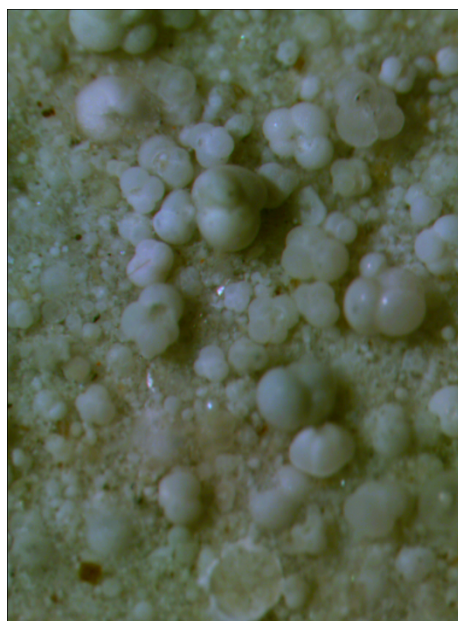
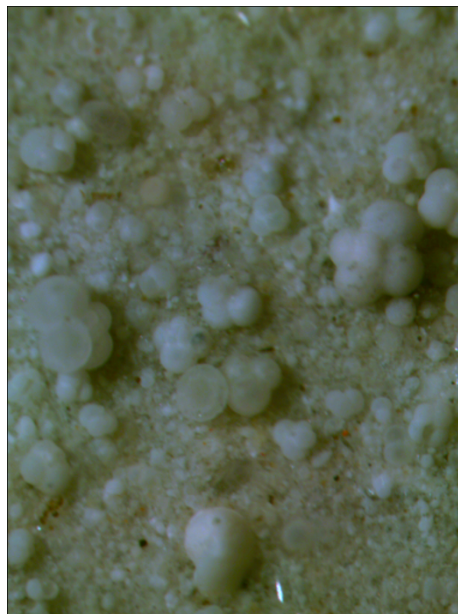
Foraminifer-bearing calcareous sand-silt

Percent	Composition
10	Quartz + Feldspar
	Rock Fragments
?	Mica
1	Volcanic glass
1	Accessory minerals
72	Foraminifers
3	Diatoms
5	Radiolarians
	Sponge spicules
1	Fish remains
2	Plant debris/organic tissue
	Ooids
	Pellets
5	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-014-1SL_CC_10micron-1.bmp
PS97-014-1SL_CC_10micron-2.bmp



Remarks:

Stiff, sticky light greenish mud, high CaCO₃ of bulk sediment. Fraction >10microns almost of PF-translucent. PF: with ?Candeina nitida ?triserial, ?microperforate?

ANT-
XXXI/3

24.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	015-1GC	CC
55° 43.88' S	70° 53.54' W	1872.1 m

Sediment name

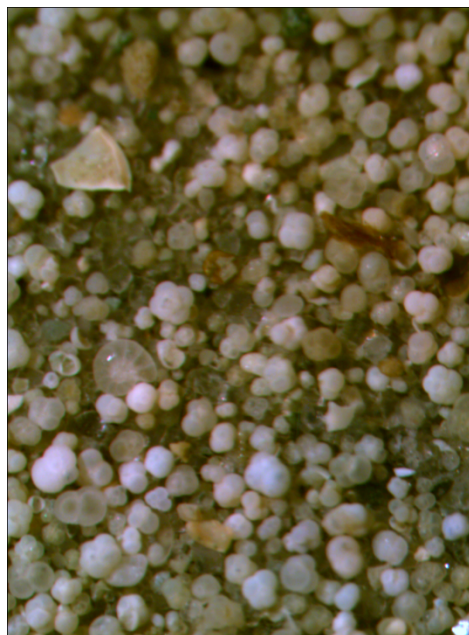
Quartz-PF sand

Percent	Composition
35	Quartz + Feldspar
3	Rock Fragments, Basalt
	Mica
3	Volcanic glass
1	Accessory minerals
40	Foraminifers
	Diatoms
	Radiolarians
1	Sponge spicules
traces	Fish remains
1	Plant debris
1	Ooids
1	Pellets
14	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-015-1SL_CC_63micron.bmp



Remarks:

PF sand with high quartz fraction of large size range; fecal pellets large and of same size. PF all sorts of preservation: shiny to whitish to stained. G. bull, Gt. truncatulinoidea, G. quinqueloba, Gt. crassaformis. Typical Nps.

**ANT-
XXXI/3**

24.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	015-1SL	TOP
55° 43.88' S	70° 53.54' W	1872.1 m

Sediment name

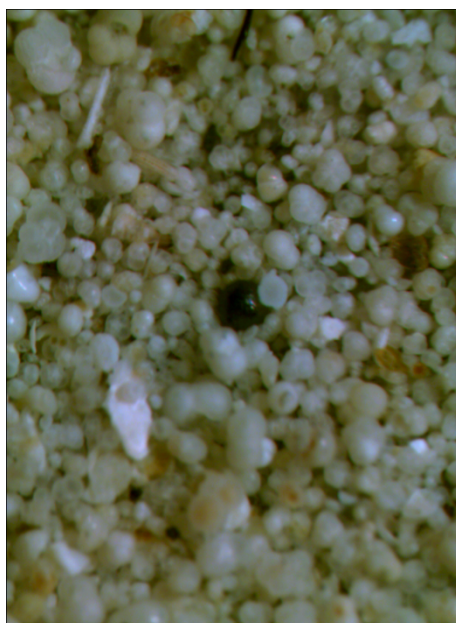
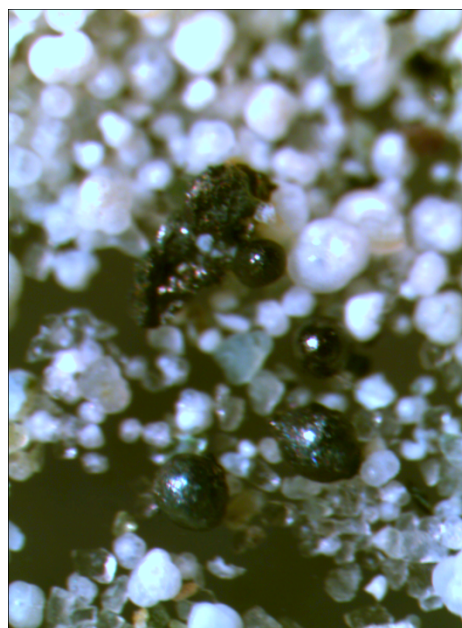
Foraminiferal sand with quartz

Percent	Composition
23	Quartz + Feldspar
2	Rock Fragments
1	Mica
1	Volcanic glass
	Accessory minerals
70	Foraminifers
	Diatoms
	Radiolarians
traces	Sponge spicules
	Fish remains
3	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-015-1SL_TOP_63micron tektite5.bmp
PS97-015-1SL_TOP_63micron tektite1.bmp



Remarks:

Plant debris, "metal"= artifact?

**ANT-
XXXI/3****Coarse fraction evaluation form**

Core	Section	Depth
PS97	015-2MUC	0-1 cm
55° 43.89' S	70° 53.55' W	1886.3 m

Sediment name

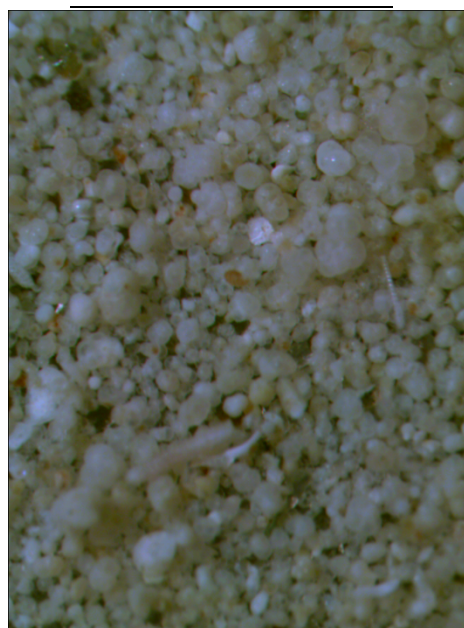
Planktic foraminiferal sand

Percent	Composition
10	Quartz + Feldspar
1	Rock Fragments
	Mica
1	Volcanic glass
	Accessory minerals
80	Foraminifers
	Diatoms
1	Radiolarians
1	Sponge spicules
1	Fish remains
	Plant debris
	Ooids
	Pellets
5	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-015-2MUC-OFL-63micron.bmp



Remarks:

Rich PF-foraminiferal sand, *O. universa*, *Gt. truncatulinoides*, *G. bull*, *Gt. inflata*; BF (*Textularia*); some organics and plants.

**ANT-
XXXI/3**

25.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	020-2GC	CC
55° 30.79' S	71° 38.22' W	2070.4 m

Sediment name

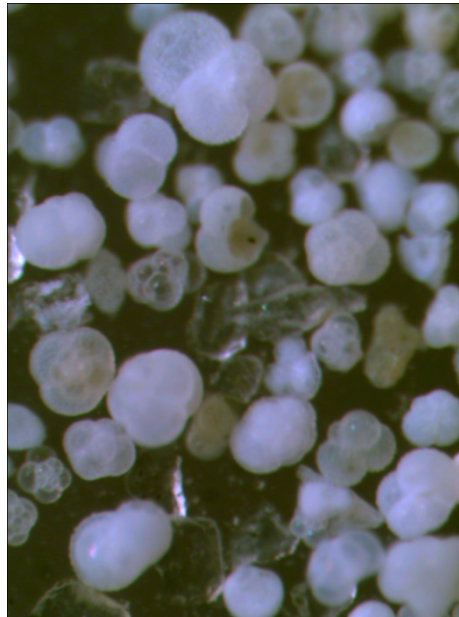
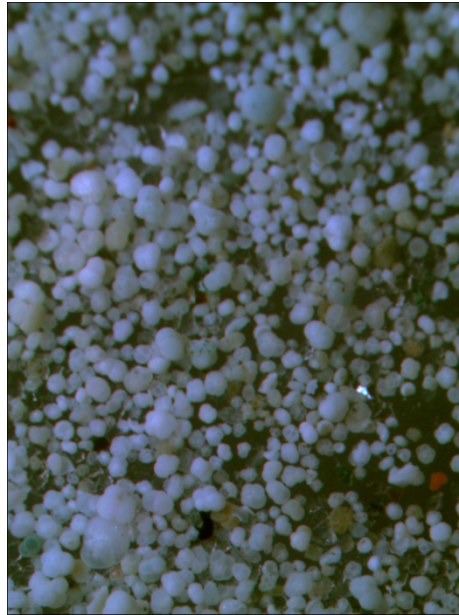
Foraminiferal sand with quartz and radiolaria

Percent	Composition
8	Quartz + Feldspar
3	Rock Fragments
	Mica
1	Volcanic glass
1	Accessory minerals
75	Foraminifers
	Diatoms
5	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
1	Pellets
6	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-020-2SL_CC-63micron.bmp
 PS97-020-2SL_CC-63micron-uvula1.bmp
 PS97-020-2SL_CC-63micron-uvula2.bmp
 PS97-020-2SL_CC-63micron-uvula3.bmp



Remarks:

Well preserved foraminiferal sand; quartz, lithic fragments + other minerals (glauconite? mafics); PF G. uvula: Holocene age.

**ANT-
XXXI/3**

26.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	022-1MUC	bulk (0-10cm)
54° 42.03' S	73° 48.38' W	1615.1 m

Sediment name

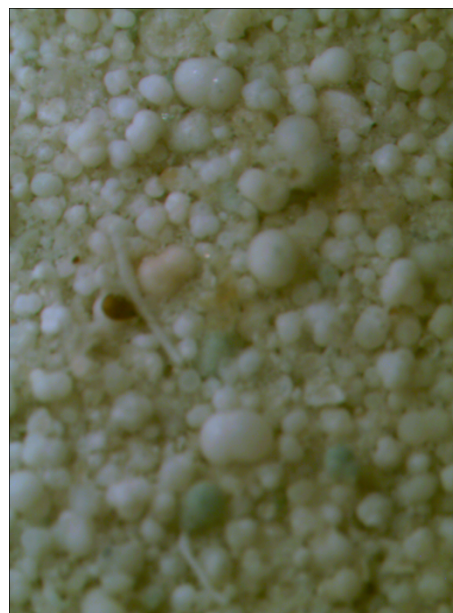
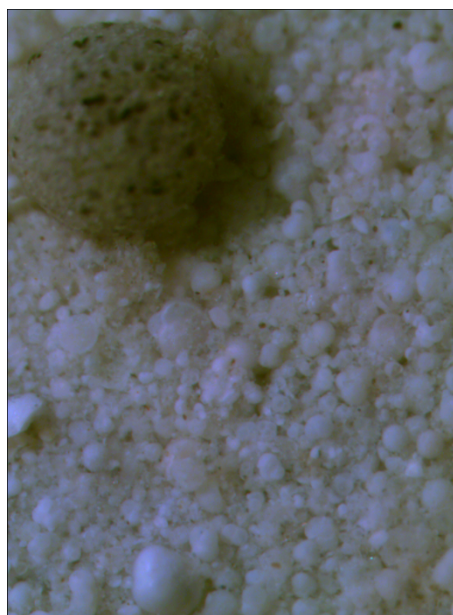
Foraminiferal calcareous sand with quartz, very fine

Percent	Composition
30	Quartz + Feldspar
2	Rock Fragments
	Mica
1	Volcanic glass
2	Accessory minerals
50	Foraminifers
	Diatoms
3	Radiolarians
	Sponge spicules
	Fish remains
2	Plant debris
	Ooids
	Pellets
10	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-022-1MUC_10micron.bmp
PS97-022
1MUC_10micron1.bmp



Remarks:

Light-colored, calcareous sand, size spectrum very narrow; possibly current-induced; no good PF-sample.

**ANT-
XXXI/3**

26.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	022-2GC	CC
54° 42.03' S	73° 48.41' W	1615.9 m

Sediment name

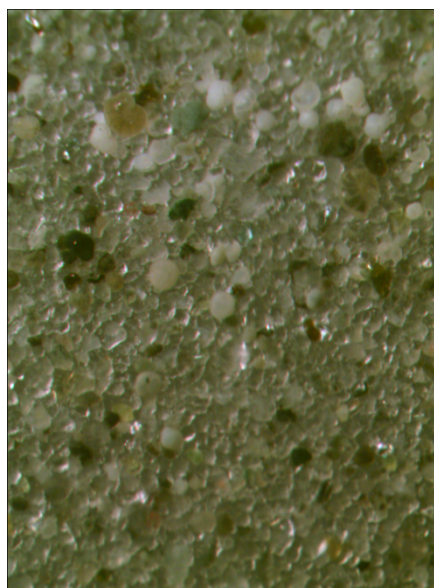
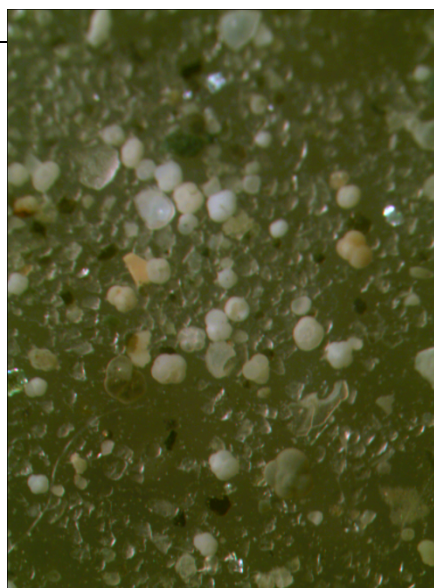
Foraminifer-bearing quartz sand;
glacial-marine; rock fragments.

Percent	Composition
64	Quartz + Feldspar
8	Rock Fragments
2	Mica
	Volcanic glass
3	Accessory minerals
10	Foraminifers
	Diatoms
7	Radiolarians
2	Sponge spicules
1	Fish remains
	Plant debris
	Ooids
	Pellets
3	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-022-2SL_CC_63micron.bmp
PS97-022-2SL_CC_63micron1.bmp
PS97-022-2SL_CC_63micron2.bmp



Remarks:

(stiff, greenish grey clay); quartz sand large size variation with organic remains; well preserved PF and BF of different sizes; PF staining, sometimes filled with glauconite-green clay; wide range of radiolaria (almost transparent).

ANT-
XXXI/3

26.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	023-1GC	TOP
54° 40.86' S	73° 49.94' W	1597.8 m

Sediment name

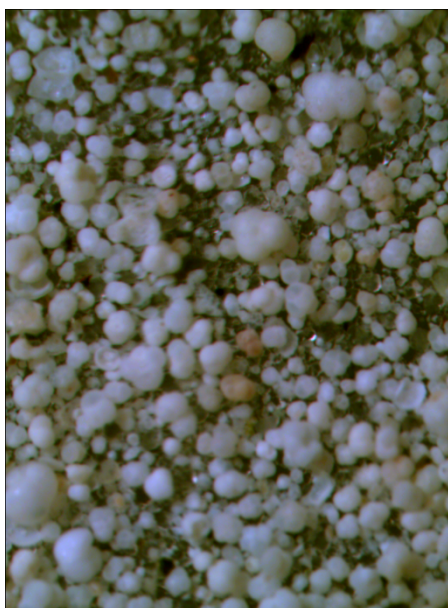
Planktic foraminiferal sand with sorted quartz

Percent	Composition
10	Quartz + Feldspar
1	Rock Fragments
	Mica
	Volcanic glass
3	Accessory minerals
82	Foraminifers
	Diatoms
1	Radiolarians
1	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
2	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-023-1SL_TOP_10micron.bmp
 PS97-023-1SL_TOP_10micron1.bmp
 PS97-023-1SL_TOP_10micron2.bmp



Remarks:

Well preserved PF sand: G. bull., G. quinqueloba, Gt. Inflata; wide size fraction of PF. Black amphibole shards? Good sample indicating position offshore, off major ice bergs?

ANT-XXXI/3

26.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	023-1GC	CC
54° 40.86' S	73° 49.94' W	1597.8 m

Sediment name

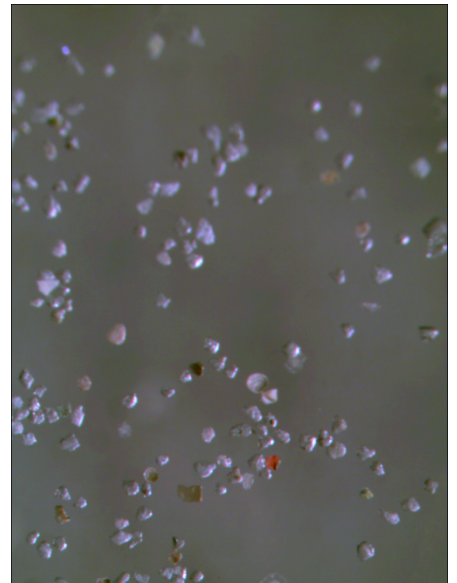
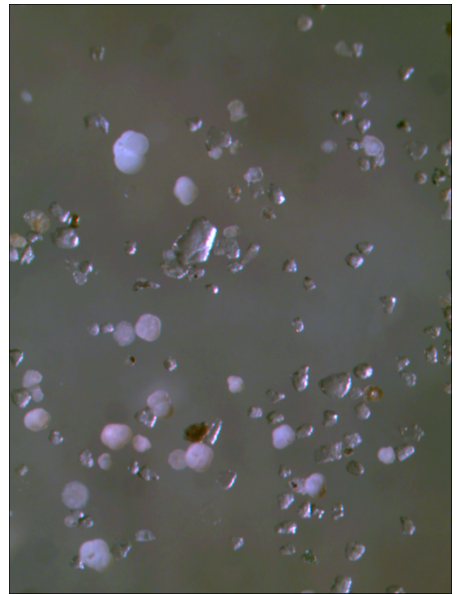
Planktic foraminiferal sand with sorted quartz

Percent	Composition
66	Quartz + Feldspar
8	Rock Fragments
2	Mica
	Volcanic glass
3	Accessory minerals
8	Foraminifers
	Diatoms
7	Radiolarians
2	Sponge spicules
1	Fish remains
	Plant debris
	Ooids
	Pellets
3	Bioclasts
100	Sum

Total must equal 100%

Photos:

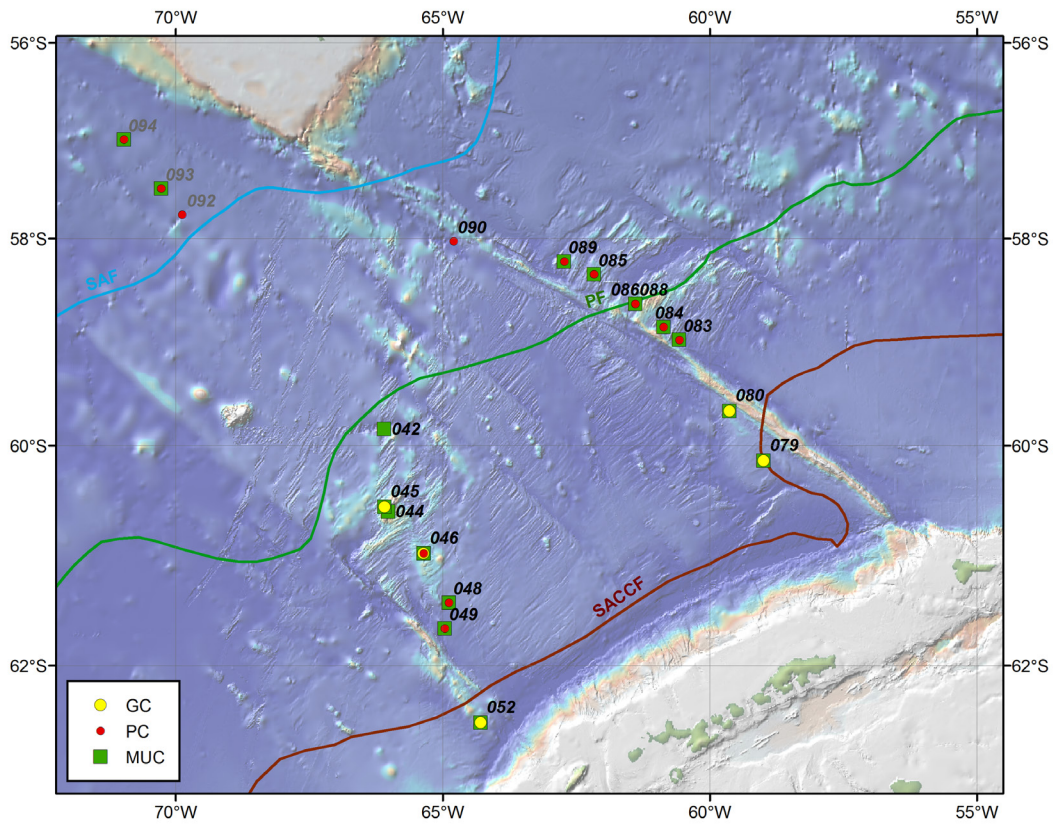
PS97-023-1SL_CC_63micron.bmp
 PS97-023-1SL_CC_63micron1.bmp
 PS97-023-1SL_CC_63micron2.bmp



Remarks:

Bulk sediment stiff greenish-grey clay, almost similar to 022-2GC-CC.

Drake Passage (PS97/034-052, PS97/079-094)



ANT-XXXI/3

01.03.16/02.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	042-1MUC	TOP
59° 50.62' S	66° 5.77' W	4172 m

Sediment name

Partly fragmented foraminifer-radiolarian sand with quartz
--

Percent	Composition
25	Quartz + Feldspar
3	Rock Fragments
	Mica
	Volcanic glass
traces	Accessory minerals
45	Foraminifers
1	Diatoms
25	Radiolarians
1	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
traces	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-042-1-MUC_OF1-63micron-16X-1.bmp

PS97-042-1-MUC_OF1-63micron-16X-2.bmp

PS97-042-1-MUC_OF1-63micron-20X-3.bmp



Remarks:

Nps, nearly monospecific, some BF with arenaceous forms, rich radiolarian fauna; PF frequently stained in different degrees.
--

ANT-XXXI/3

01.03.16/02.02.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	042-1MUC	BASE
59° 50.62' S	66° 5.77' W	4172 m

Sediment name

Fragmented foraminifer-radiolarian sand with quartz

Percent	Composition
24	Quartz + Feldspar
3	Rock Fragments
	Mica
	Volcanic glass
traces	Accessory minerals
45	Foraminifers
1	Diatoms
25	Radiolarians
1	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
1	Bioclasts
100	Sum

Total must equal 100%

Photos:

no pictures

Remarks:

Uvigerina, 1 G. bulloides; better preserved than top sample.
--

ANT-XXXI/3

03.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	044-1MUC	TOP
60° 36.80' S	66° 1.34' W	1202,8 m

Sediment name

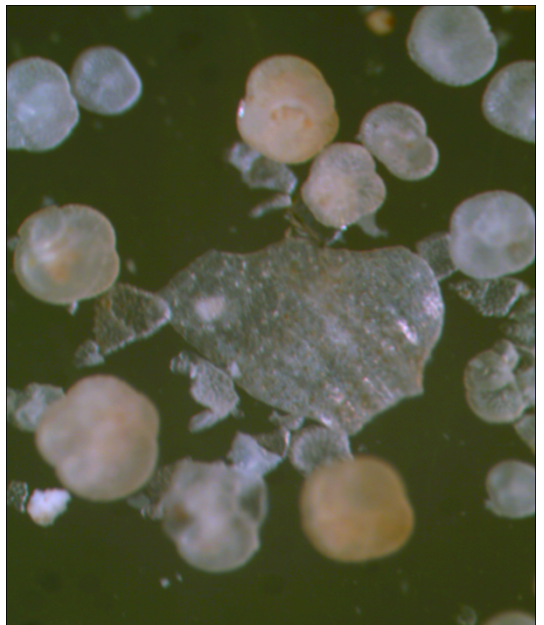
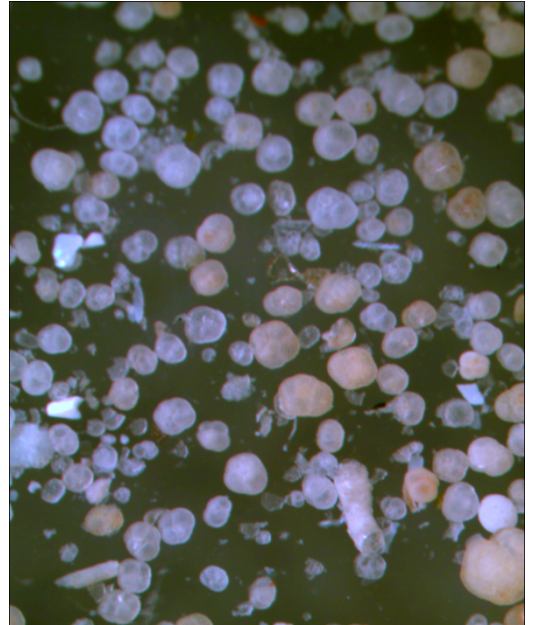
Foraminiferal sand with traces of pteropods, quartz and BF

Percent	Composition
5	Quartz + Feldspar
1	Rock Fragments
	Mica
1	Volcanic glass
traces	Accessory minerals
90	Foraminifers
	Diatoms
1	Radiolarians
1	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
1	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-044-1MUC_TOP-10micron-16X.bmp
 PS97-044-1MUC_TOP-10micron-16X-1.bmp
 PS97-044-1MUC_TOP-10micron-40X-2.bmp
 PS97-044-1MUC_TOP-10micron-40_pumiceX-5.bmp
 PS97-044-1MUC_TOP-10micron-40X-2.bmp
 PS97-044-1MUC_TOP-pteropod-10micron-40X-3.bmp



Remarks:

?Current-sorted foraminiferal sand with distinct fraction of stained specimens juveniles and fragments, some mostly large benthics; PF of >90% of Nps.

ANT-XXXI/3**Coarse fraction evaluation form**

Core	Section	Depth
PS97	045-1MUC	TOP
60° 34.27' S	66° 5.67' W	2292 m

Sediment name

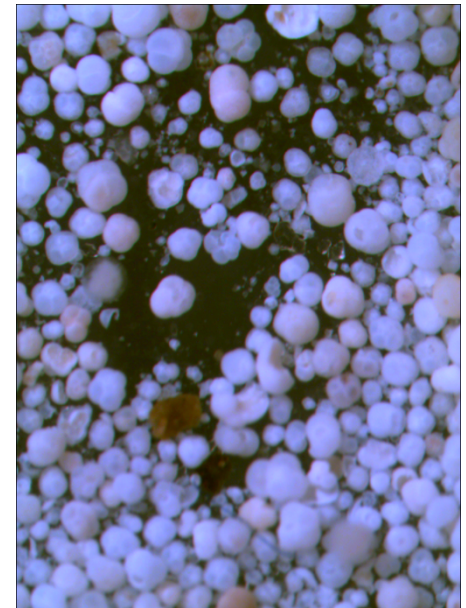
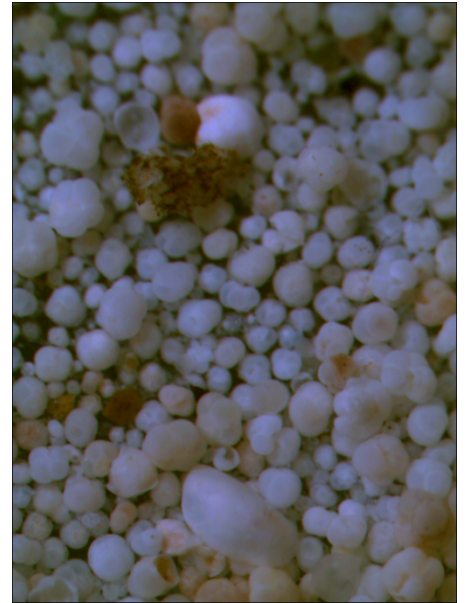
Foraminiferal sand with traces of detrital quartz and few macrofossils

Percent	Composition
1	Quartz + Feldspar
traces	Rock Fragments
	Mica
1	Volcanic glass
traces	Accessory minerals
90	Foraminifers
1	Diatoms
5	Radiolarians
1	Sponge spicules
traces	Fish remains
	Plant debris
	Ooids
	Pellets
1	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-045-1MUC_TOP-10micron-16X-1.bmp
 PS97-045-1MUC_TOP-10micron-16X-2.bmp
 PS97-045-1MUC_TOP-10micron-16X-3.bmp
 PS97-045-1MUC_TOP-10micron-16X-4.bmp
 PS97-045-1MUC_TOP-10micron-16X-5.bmp



Remarks:

Foram sand much finer than at stat. 44; less staining of mostly adult tests of Nps; pumice, diatom "fluff" settled on the PF; MUC cores show 3cm top layer of oxidation.

ANT-XXXI/3

03.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	046-3GC	CC
60° 59.87' S	65° 21.64' W	2789 m

Sediment name

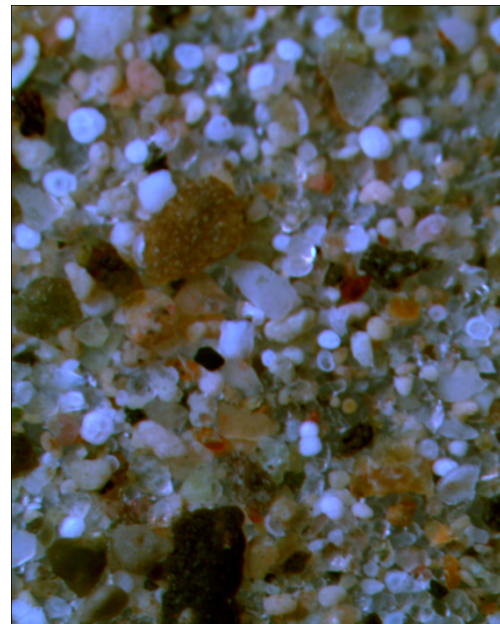
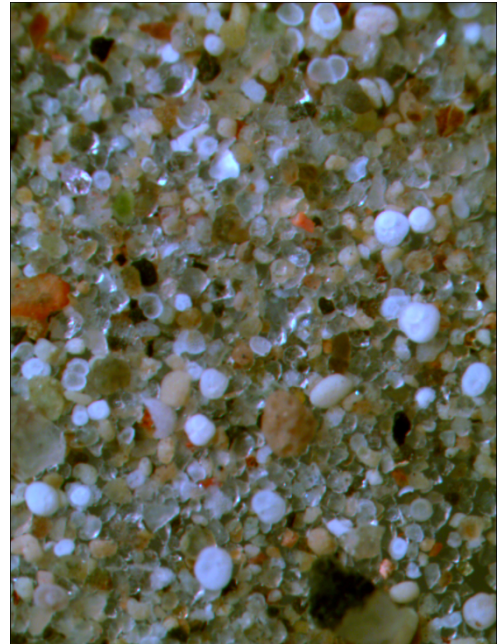
(?Glacial) quartz sand with PF, and pumice

Percent	Composition
50	Quartz + Feldspar
24	Rock Fragments
traces	Mica
10	Volcanic glass
6	Accessory minerals
10	Foraminifers
	Diatoms
	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
traces	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-046-3SL_CC-63micron-16X-1.bmp
 PS97-046-3SL_CC-63micron-16X-2.bmp
 PS97-046-3SL_CC-63micron-16X-3.bmp
 PS97-046-3SL_CC-63micron-16X-4.bmp



Remarks:

Very "glacial" sediment, with minute Nps, frequently broken, few juveniles, fragments. Sand of many sizes + different rock types. IRD: pumice, basalt, large quartz grains, granite, lots of accessories.

ANT-XXXI/3

03.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	046-3GC	TOP
60° 59.87' S	65° 21.64' W	2789 m

Sediment name

Foraminiferal sand with fine quartz, IRD

Percent	Composition
5	Quartz + Feldspar
8	Rock Fragments
	Mica
3	Volcanic glass
1	Accessory minerals
78	Foraminifers
	Diatoms
2	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
3	Bioclasts
100	Sum

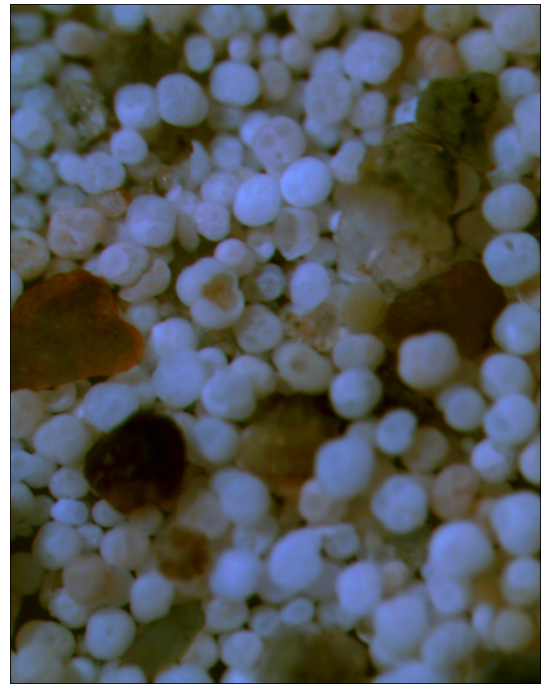
Total must equal 100%

Photos:

PS97-046-3SL_TOP-63micron-16X-5.bmp
 PS97-046-3SL_TOP-63micron-20X-1.bmp
 PS97-046-3SL_TOP-63micron-20X-2.bmp
 PS97-046-3SL_TOP-63micron-20X-3.bmp
 PS97-046-3SL_TOP-63micron-20X-4.bmp

Remarks:

Some *G. quinqueloba*, *G. bull.*, *Uvgerina*; foramsand composed of Nps, mostly large and of similar size, ~20% of them stained; IRD composed of fine quartz and large (>size of Nps) rock fragments, some stained, too.



ANT-XXXI/3

03.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	046-3GC	CC
60° 59.87' S	65° 21.64' W	2789 m

Sediment name

Glacial sand with PF, rock fragments, quartz and pumice

Percent	Composition
40	Quartz + Feldspar
24	Rock Fragments
	Mica
10	Volcanic glass
6	Accessory minerals
10	Foraminifers
	Diatoms
	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
10	Pellets
traces	Bioclasts
100	Sum

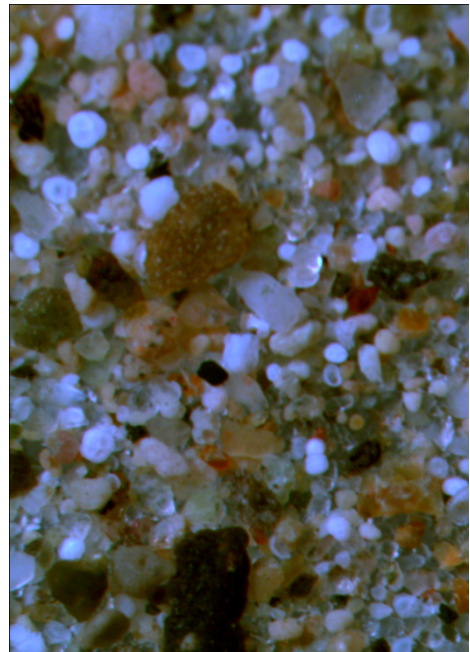
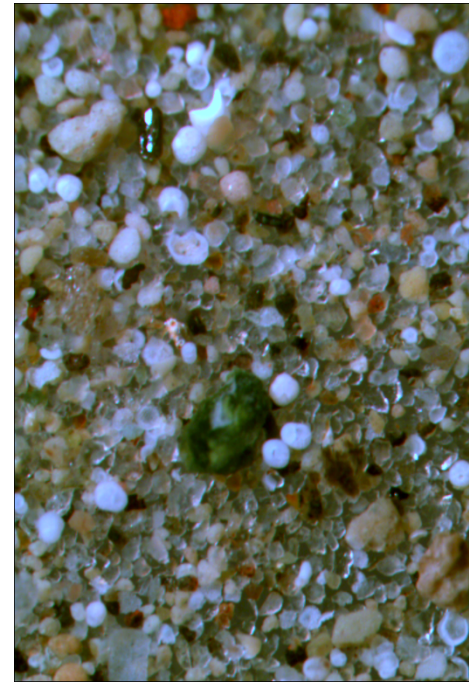
Total must equal 100%

Photos:

PS97-046-3SL_CC-63micron-16X-1.bmp
 PS97-046-3SL_CC-63micron-16X-2.bmp
 PS97-046-3SL_CC-63micron-16X-3.bmp
 PS97-046-3SL_CC-63micron-16X-4.bmp

Remarks:

"Very glacial" sediment, with minute Nps, frequently broken; few juveniles ?dissolution; glacial sand all sizes and different rock types; pumice, basalt, granite, large quartz shards; oxides.



**ANT-
XXXI/3**

03.03.16/04.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	46-4TC	TOP
60° 59.83' S	65° 21.37' W	2775.3 m

Sediment name

Foraminiferal sand with rock fragments

Percent	Composition
3	Quartz + Feldspar
15	Rock Fragments
	Mica
3	Volcanic glass
3	Accessory minerals
72	Foraminifers
	Diatoms
3	Radiolarians
1	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

no pictures

Remarks:

Nearly no juveniles, the few are not transparent; many PF (Nps) (~30%) stained, rock fragments spectrum and accessory minerals similar to CC of PC from same station.

ANT-
XXXI/3

03.03.16/04.03.16

Coarse fraction evaluation form

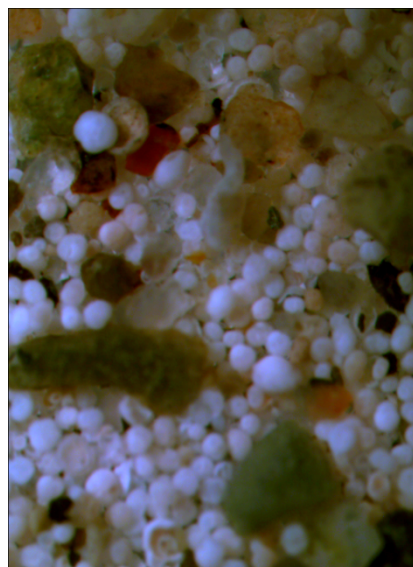
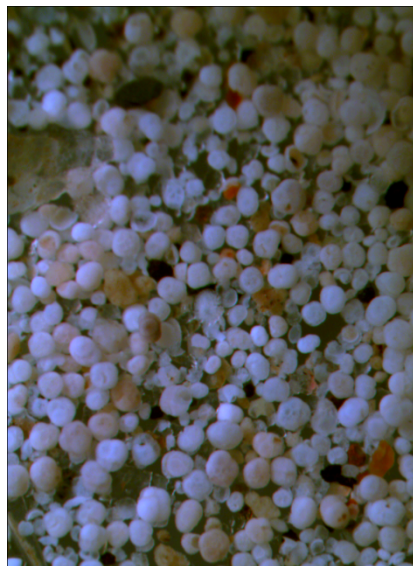
Core	Section	Depth
PS97	46-4PC	CC
60° 59.83' S	65° 21.37' W	2775.3 m

Percent	Composition
40	Quartz + Feldspar
10	Rock Fragments
	Mica
6	Volcanic glass
13	Accessory minerals
30	Foraminifers
	Diatoms
	Radiolarians
1	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-046-4KOL_CC-63micron-16X-1.bmp
 PS97-046-4KOL_CC-63micron-16X-2.bmp
 PS97-046-4KOL_CC-63micron-16X-3.bmp
 PS97-046-4KOL_CC-63micron-16X-4.bmp
 PS97-046-4KOL_CC-63micron-16X-5.bmp



Remarks:

Diverse rock fragments, foraminiferal sand of Nps; Mn-oxides, lots of accessory minerals: garnet?, pumices; BF: Pyrgo + fragments; smear slide: glassy nature of altered particles. This station: DAMAGED CROWN

**ANT-
XXXI/3**

04.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	048-1MUC	BASE
64° 53.27' W	61° 26.39' S	3455 m

Sediment name

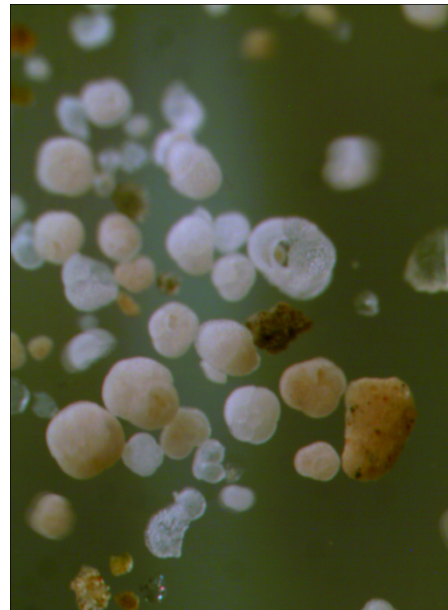
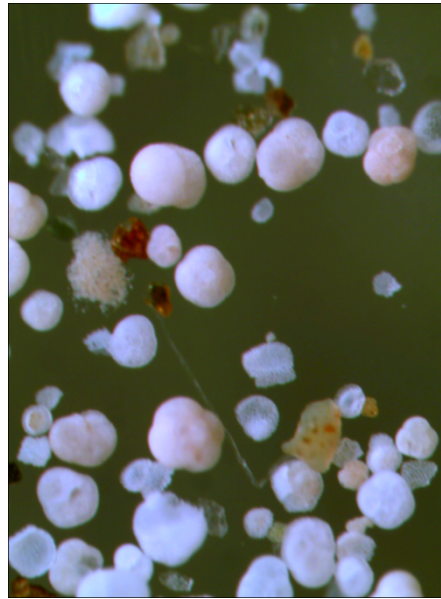
Quartz-foraminiferal sand with radiolaria

Percent	Composition
27	Quartz + Feldspar
10	Rock Fragments
	Mica
2	Volcanic glass
3	Accessory minerals
50	Foraminifers
	Diatoms
5	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
3	Pellets
1	Bioclasts
101	Sum

Total must equal 100%

Photos:

PS97-048-1MUC_CC-63micron-25X-1.bmp
 PS97-048-1MUC_CC-63micron-25X-2.bmp
 PS97-048-1MUC_CC-63micron-25X-3.bmp
 PS97-048-1MUC_CC-63micron-25X-5.bmp
 PS97-048-1MUC_CC-63micron-25X-6.bmp



Remarks:

PF sand with fragments which are ~10% of shell size; juveniles and small BF present; quartz grains in size of juveniles, ?fecal pellets, black accessory mineral fragments; PF well preserved, medium-thin walled, confirm high fragment.

ANT-XXXI/3

04.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	048-1MUC	TOP
64° 53.27' W	61° 26.39' S	3455 m

Sediment name

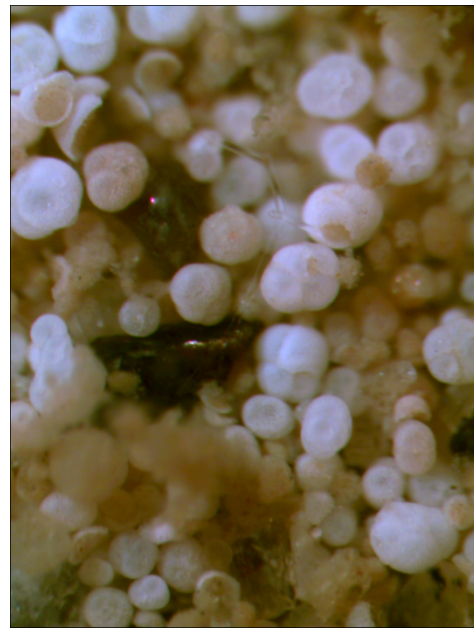
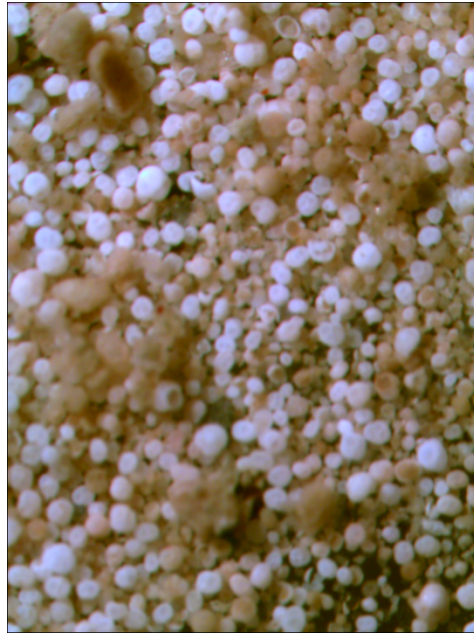
Foraminiferal sand with quartz and radiolarian

Percent	Composition
10	Quartz + Feldspar
6	Rock Fragments
	Mica
5	Volcanic glass
3	Accessory minerals
60	Foraminifers
	Diatoms
10	Radiolarians
	Sponge spicules
	Fish remains
5	Plant debris
	Ooids
traces	Pellets
1	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-048-1MUC_TOP-63micron-13X-1.bmp
 PS97-048-1MUC_TOP-63micron-13X-2.bmp
 PS97-048-1MUC_TOP-63micron-30X-1.bmp
 PS97-048-1MUC_TOP-63micron-30X-3.bmp
 PS97-048-1MUC_TOP-63micron-30X-4.bmp



Remarks:

Fluffy fraction of ?small organic particles; distinct mafic rock fraction and mostly mafic rock as dropstones covered with some burrows as epifauna; pumices of dark minerals and oxides. BF calcareous and arenaceous.

**ANT-
XXXI/3****Coarse fraction evaluation form**

Core	Section	Depth
PS97	048-2PC	CC
61° 26.39' S	64° 53.22' W	3448,1 m

Sediment name

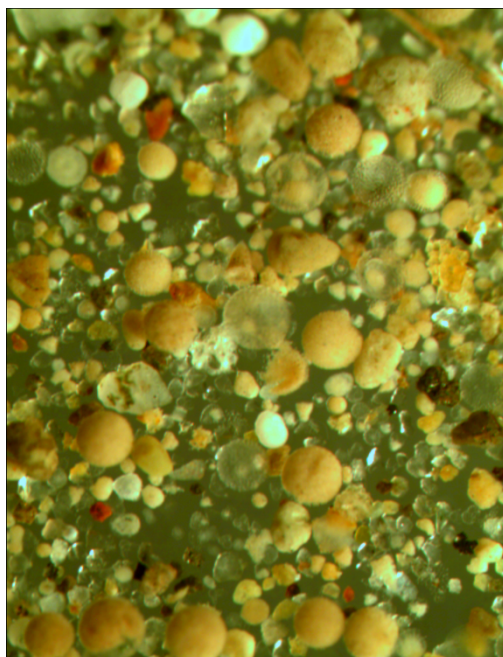
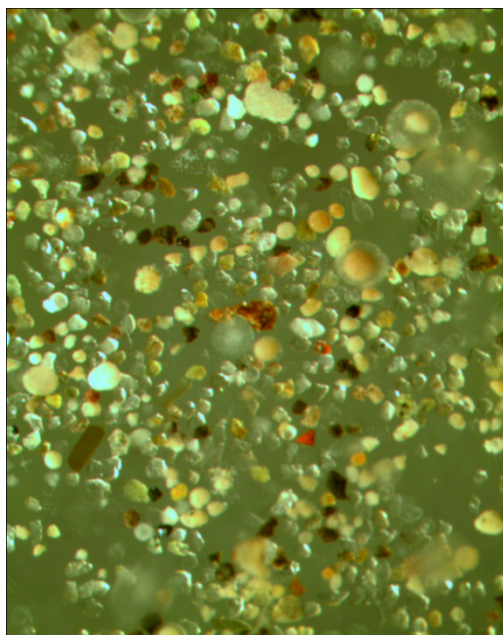
Foraminiferal sand with quartz, some radiolaria and rock fragments

Percent	Composition
30	Quartz + Feldspar
5	Rock Fragments
2	Mica
3	Volcanic glass
3	Accessory minerals
50	Foraminifers
	Diatoms
5	Radiolarians
1	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
1	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-048-2KOL_CC-63micron-16X-1.bmp
 PS97-048-2KOL_CC-63micron-16X-2.bmp
 PS97-048-2KOL_CC-63micron-16X-3.bmp
 PS97-048-2KOL_CC-63micron-16X-4.bmp



Remarks:

Dark-brown volcanic glass; mud-filled spheric radiolaria; PF well preserved, only some broken, some small, tiny; continuous spectrum of quartz grain sizes.

ANT-
XXXI/3

04.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	049-1PC	TOP
61° 40.28' S	64° 57.76' W	3758 m

Sediment name

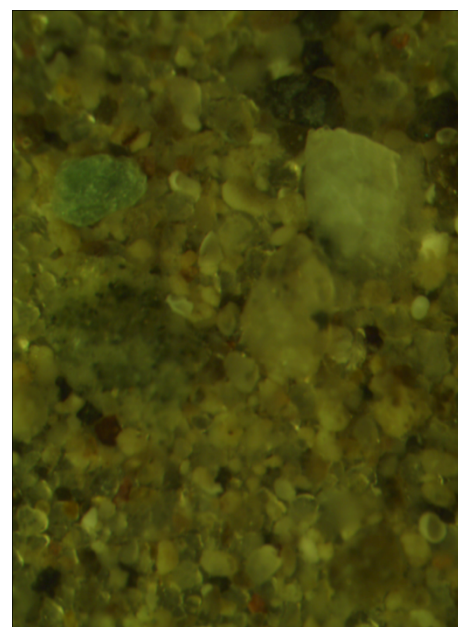
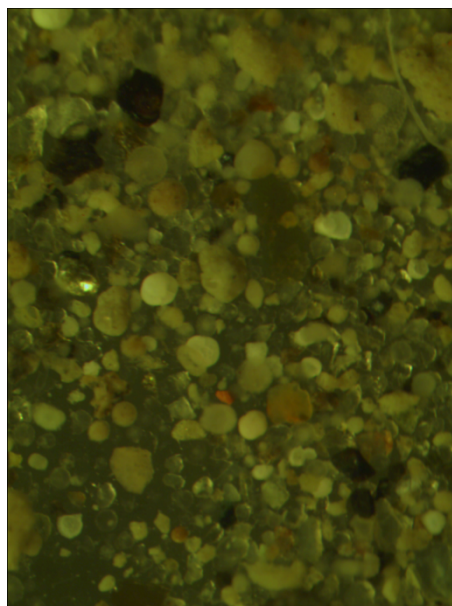
Glacial-marine sand with abundant radiolaria

Percent	Composition
50	Quartz + Feldspar
3	Rock Fragments
1	Mica
2	Volcanic glass
5	Accessory minerals
5	Foraminifers
2	Diatoms
30	Radiolarians
traces	Sponge spicules
	Fish remains
traces	Plant debris
	Ooids
	Pellets
2	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-049-1KOL-TOP-63micron-16X-1.bmp
 PS97-049-1KOL-TOP-63micron-16X-2.bmp
 PS97-049-1KOL-TOP-63micron-16X-3.bmp
 PS97-049-1KOL-TOP-63micron-16X-4.bmp
 PS97-049-1KOL-TOP-63micron-16X-5.bmp



Remarks:

Sand with large variety of transparent, milky, red and black to brown minerals and accessories; ample radiolaria, mostly spumellaria-type; Nps large, in narrow size range, many fragments.

**ANT-
XXXI/3**

04.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	049-1PC	CC
61° 40.28' S	64° 57.76' W	3758 m

Sediment name

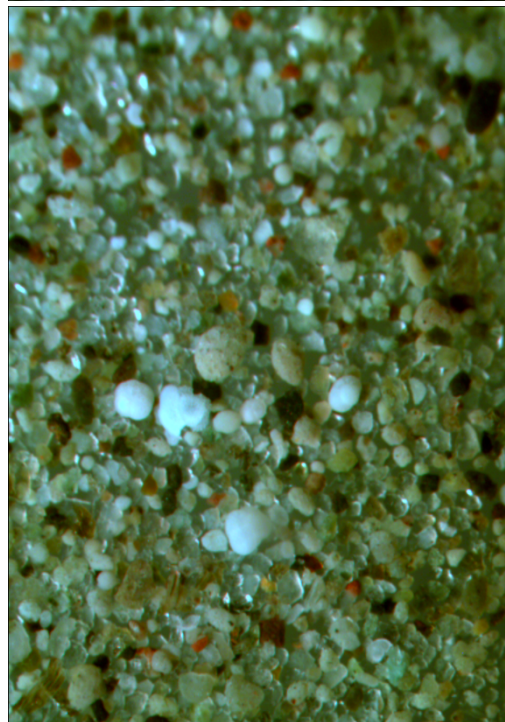
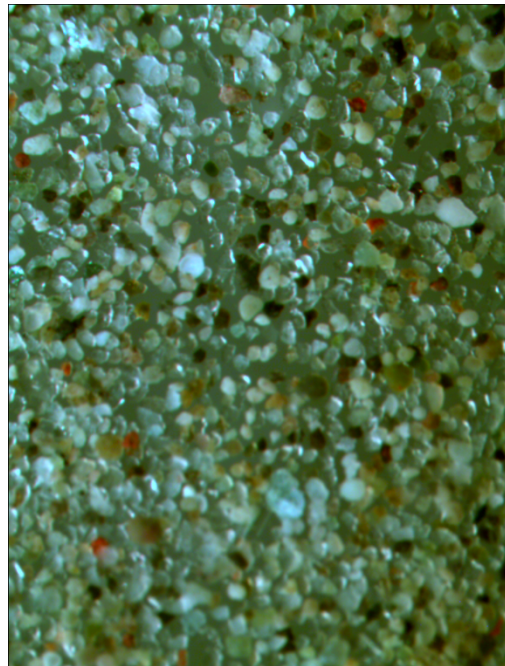
Quartz sand with few foraminifers and large fraction of accessory minerals

Percent	Composition
62	Quartz + Feldspar
5	Rock Fragments
	Mica
5	Volcanic glass
20	Accessory minerals
5	Foraminifers
	Diatoms
2	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
1	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-049-1KOL-CC-63micron-16X-1.bmp
PS97-049-1KOL-CC-63micron-16X-2.bmp
PS97-049-1KOL-CC-63micron-16X-3.bmp



Remarks:

Few rock fragments; large fraction of mostly grey-to black a.m.; few Nps with ca. 50% fragments; juvenile PF mostly missing.

**ANT-
XXXI/3**

04.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	049-1 TC	Base
61° 40.28' S	64° 57.76' W	3758 m

Sediment name

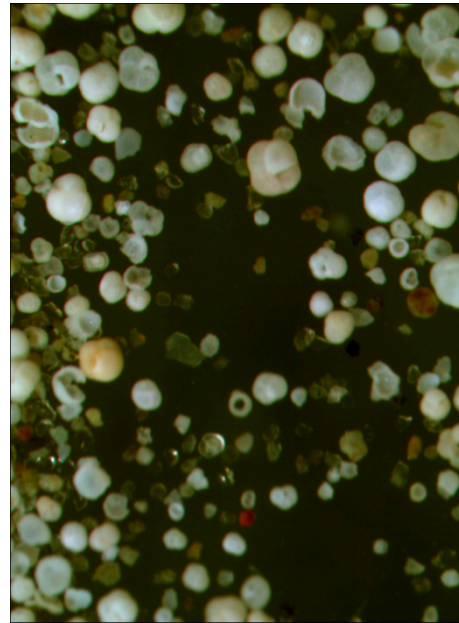
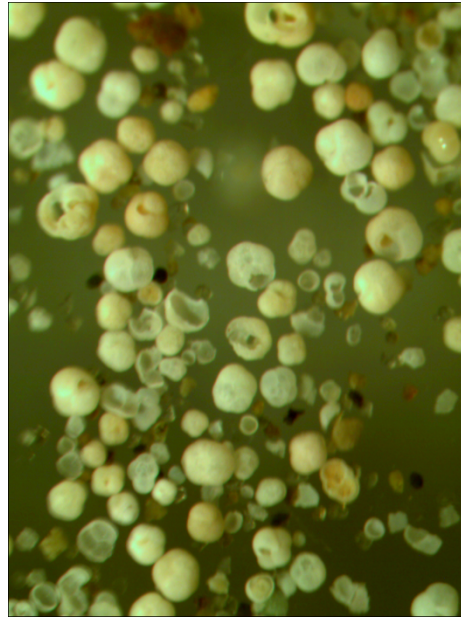
Foraminiferal sand with some quartz

Percent	Composition
10	Quartz + Feldspar
15	Rock Fragments
	Mica
traces	Volcanic glass
traces	Accessory minerals
75	Foraminifers
	Diatoms
	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-049-1TC-CC-63micron-16X-1.bmp
PS97-049-1TC-CC-63micron-16X-2.bmp



Remarks:

PF stained to various degrees; many fragments and "carcasses" and chambers; traces of pumice.

**ANT-
XXXI/3**

04.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	049-1PC	~315cm
61° 40.28' S	64° 57.76' W	3758 m

Sediment name

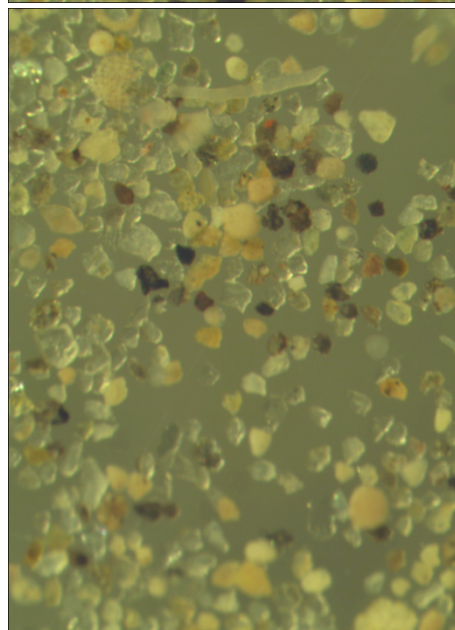
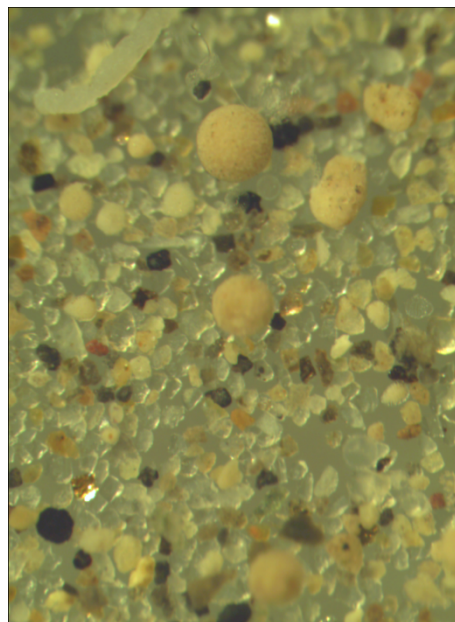
Quartz-mineral sand with radiolaria
and diatoms

Percent	Composition
39	Quartz + Feldspar
8	Rock Fragments
3	Mica
traces	Volcanic glass
20	Accessory minerals
	Foraminifers
10	Diatoms
20	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

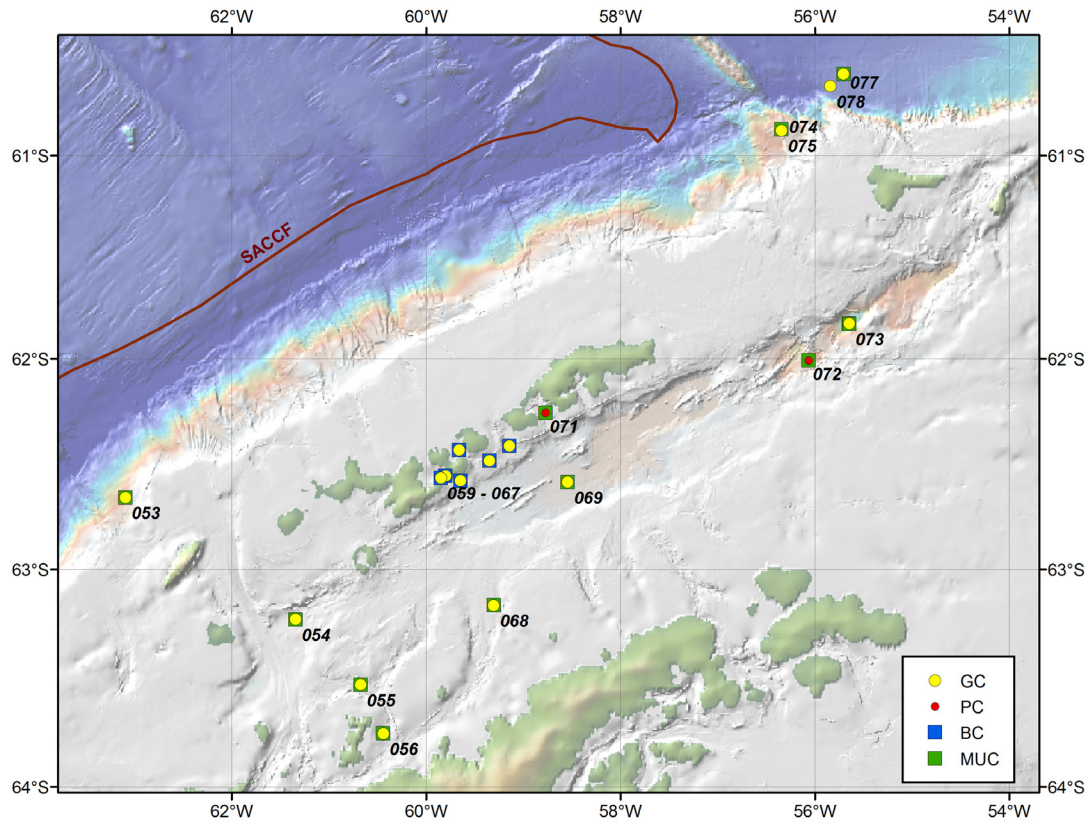
PS97-049-1KOL_300-330cm-63micron-16X-1.bmp
 PS97-049-1KOL_300-330cm-63micron-16X-2.bmp
 PS97-049-1KOL_300-330cm-63micron-16X-3.bmp
 PS97-049-1KOL_300-330cm-63micron-16X-4.bmp
 PS97-049-1KOL_300-330cm-63micron-16X-5.bmp



Remarks:

(Very low sand content in bulk fraction); radiolaria clearly dominate over diatoms;
mostly basaltic rock fragments.

Antarctic Peninsula (PS97/053-078)



**ANT-
XXXI/3**

05.03.16/06.03.16

Coarse fraction evaluation form

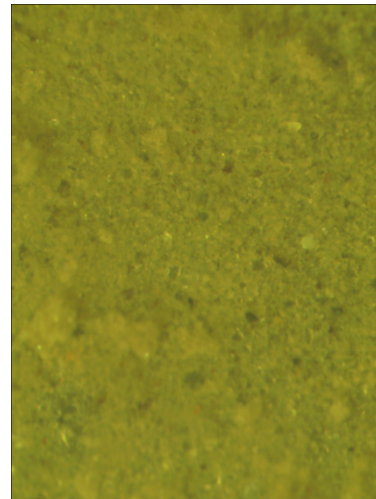
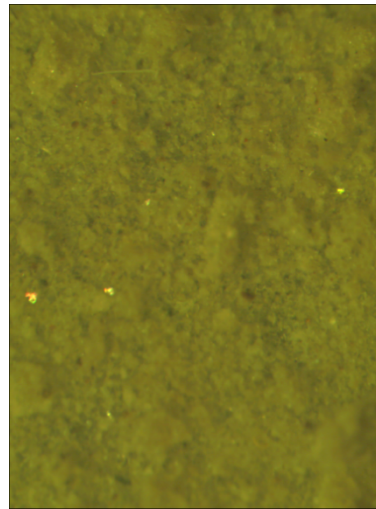
Core	Section	Depth
PS97	053-1MUC	OFL
62° 39.79' S	63° 5.68' W	2021,4 m

Sediment name

Radiolarian sand with quartz, volcanic rocks, rock fragments

Percent	Composition
40	Quartz + Feldspar
12	Rock Fragments
1	Mica
7	Volcanic glass
5	Accessory minerals
traces	Foraminifers
5	Diatoms
30	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%



Photos:

PS97-053-1MUC_OFL-10micron-16X-1.bmp
 PS97-053-1MUC_OFL-10micron-16X-2.bmp
 PS97-053-1MUC_OFL-10micron-16X-3.bmp
 PS97-053-1MUC_OFL-10micron-16X-4.bmp

Remarks:

Quartz-dominated sand with abundant radiolarians; Nps distinct, but in traces, some dissolution.

ANT-
XXXI/3

05.03.16/06.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	053-1MUC	10-11 cm
62° 39.79' S	63° 5.68' W	2021,4 m

Sediment name

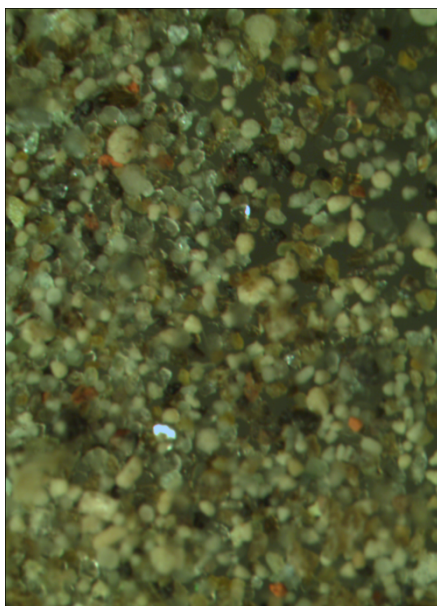
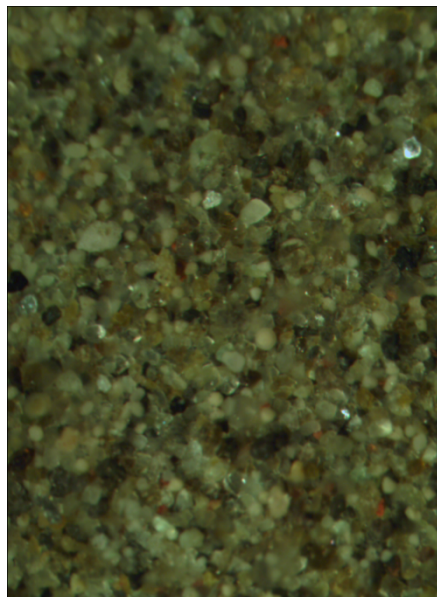
Radiolarian sand with quartz, volcanic rocks, accessory minerals

Percent	Composition
23	Quartz + Feldspar
6	Rock Fragments
3	Mica
20	Volcanic glass
1	Accessory minerals
	Foraminifers
?10	Diatoms
47	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
?	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-053-1MUC-10-11cm_63micron-16X-1.bmp
 PS97-053-1MUC-10-11cm_63micron-16X-2.bmp
 PS97-053-1MUC-10-11cm_63micron-16X-3.bmp



Remarks:

Radiolarian sand with nasselarians dominating, many radiolarian skeletons filled with sediment; reddish accessories; dark-grey basaltic rock fragments, diatom-needles; no calcareous particles?

ANT-
XXXI/3

05.03.16/06.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	053-1MUC	OFL
62° 39.79' S	63° 5.68' W	2021,4 m

Sediment name

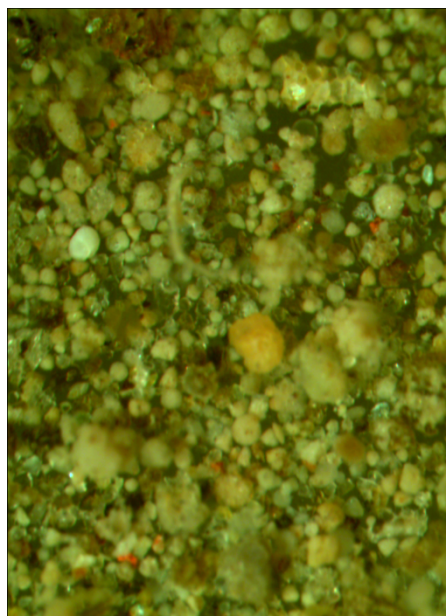
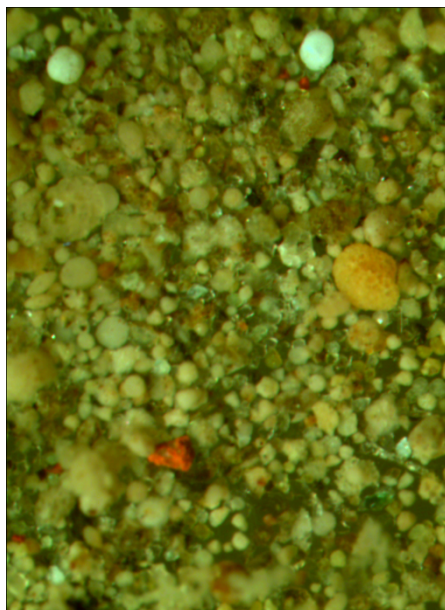
Radiolarian sand with quartz, volcanic rocks, and rock fragments

Percent	Composition
30	Quartz + Feldspar
12	Rock Fragments
1	Mica
7	Volcanic glass
5	Accessory minerals
traces	Foraminifers
5	Diatoms
40	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-053-1MUC-TOP-63micron-16X-1.bmp
 PS97-053-1MUC-TOP-63micron-16X-2.bmp
 PS97-053-1MUC-TOP-63micron-16X-3.bmp



Remarks:

Abundant radiolaria; Nps distinct, and dissolved partly.

ANT-
XXXI/3

06.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	053-2GC	CC
62° 39.77' S	63° 5.61' W	2016.1 m

Sediment name

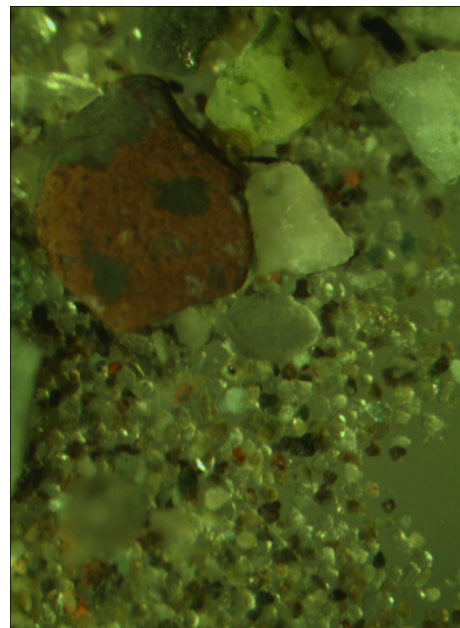
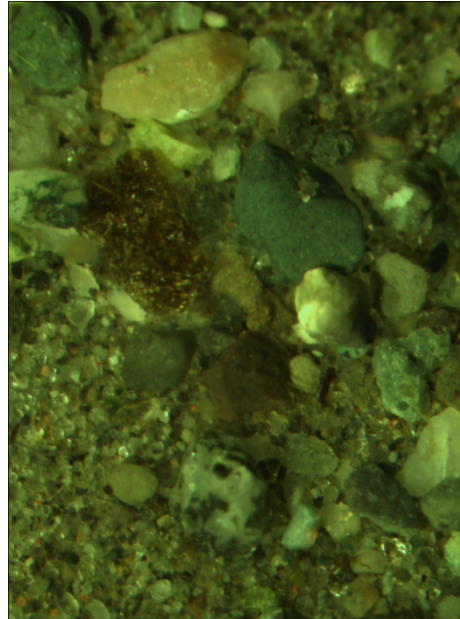
Glacial-type sand with rock fragments,
CaCO₃-free?

Percent	Composition
55	Quartz + Feldspar
22	Rock Fragments
3	Mica
2	Volcanic glass
8	Accessory minerals
	Foraminifers
5	Diatoms
5	Radiolarians
2	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
	Bioclasts
102	Sum

Total must equal 100%

Photos:

PS97-053-2SL-CC-63micron-10X-1.bmp
 PS97-053-2SL-CC-63micron-10X-1.bmp
 PS97-053-2SL-CC-63micron-16X-1.bmp
 PS97-053-2SL-CC-63micron-16X-1.bmp



Remarks:

? calcium carbonate-free with distinct diatom (needles) and radiolarian (spheres) fraction; rock fragments of basalt, but few greenish sand stones, chlorite-green minerals; impression of bimodal sorting.

**ANT-
XXXI/3**

06.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	054-2MUC	OFL
63° 13.99' S	61° 20.63' W	1283.2 m

Sediment name

Fine grained diatomaceous sand with abundant quartz

Percent	Composition
60	Quartz + Feldspar
traces	Rock Fragments
10	Mica
n.a.	Volcanic glass
2	Accessory minerals
traces	Foraminifers
23	Diatoms
5	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

no pictures

Remarks:

(bulk sediment extremely fine and fluffy on top, smear slide analysis indicates rich diatom flora.) 10-micron fraction extremely difficult to analyze.

**ANT-
XXXI/3**

06.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	054-2MUC	10-11 cm
63° 13.99' S	61° 20.63' W	1283.2 m

Sediment name

Quartz sand with diatoms, pyritized organic particles

Percent	Composition
70	Quartz + Feldspar
3	Rock Fragments
5	Mica
6	Volcanic glass
1	Accessory minerals
2	Foraminifers
10	Diatoms
2	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
1	Bioclasts
100	Sum

Total must equal 100%

Photos:

no pictures

Remarks:

BF: ?Fursenkoina, ?Cyclammina, Pullenia, Uvigerina; delicate centric diatoms; few Nps, need washing of large volumes.

**ANT-
XXXI/3****Coarse fraction evaluation form**

Core	Section	Depth
PS97	054-3GC	CC
63° 13.98' S	61° 20.61' W	1279,3 m

Sediment name

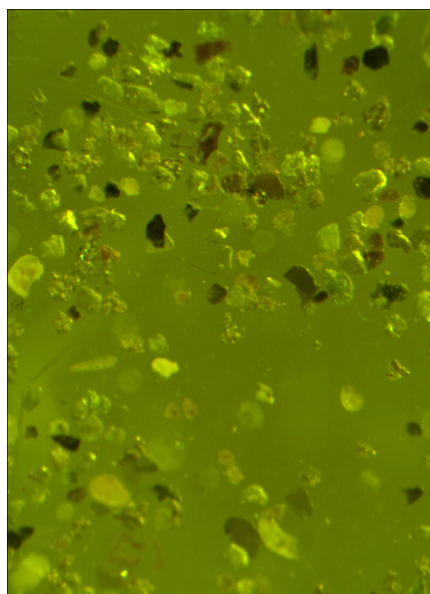
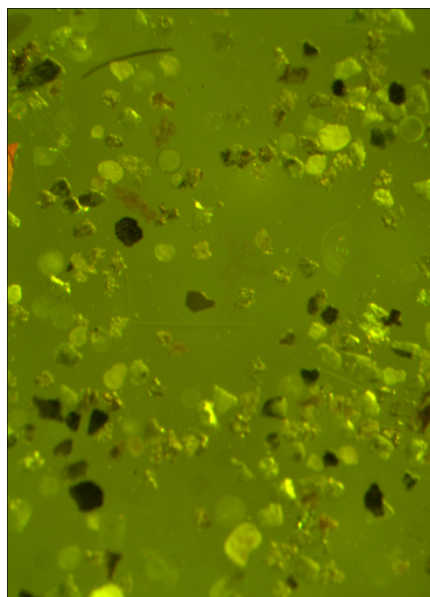
Quartz sand with diatoms, mica and dark rock fragments
--

Percent	Composition
77	Quartz + Feldspar
2	Rock Fragments
4	Mica
5	Volcanic glass
5	Accessory minerals
2	Foraminifers
5	Diatoms
	Radiolarians
	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-054-3SL_CC-63micron-16X-1.bmp
PS97-054-3SL_CC-63micron-16X-2.bmp
PS97-054-3SL_CC-63micron-16X-3.bmp
PS97-054-3SL_CC-63micron-16X-4.bmp



Remarks:

Some PF and rich BF, almost identical to MUC. ?Fursenkoina small, and not pyritized.
--

**ANT-
XXXI/3**

06.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	055-1GC	CC
63° 32.09' S	60° 40.36' W	722,6 m

Sediment name

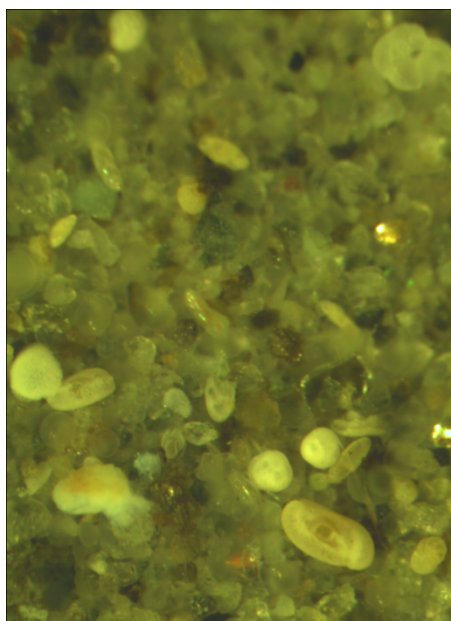
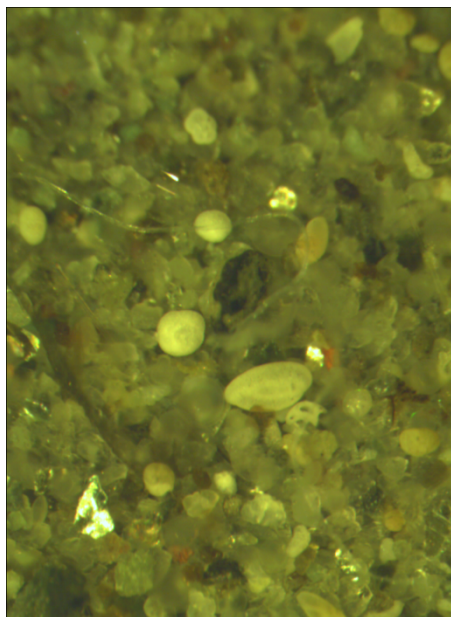
Quartz sand with abundant diatoms
and accessory minerals

Percent	Composition
40	Quartz + Feldspar
	Rock Fragments
5	Mica
8	Volcanic glass
5	Accessory minerals
1	Foraminifers
40	Diatoms
	Radiolarians
	Sponge spicules
	Fish remains
1	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-055-1SL_CC-63micron-16X-1.bmp
 PS97-055-1SL_CC-63micron-16X-2.bmp
 PS97-055-1SL_CC-63micron-16X-3.bmp
 PS97-055-1SL_CC-63micron-16X-4.bmp



Remarks:

Some BF Cyclammina, Fursenkoina, Bulimina/Globobulimina (arenaceous and calcareous); PF well present. Nps mostly dissolved, into fragments. Low-ox-bioindicators.

**ANT-
XXXI/3**

08.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	059-1GC	CC
62° 26.24' S	59° 39.50' W	353,8 m

Sediment name

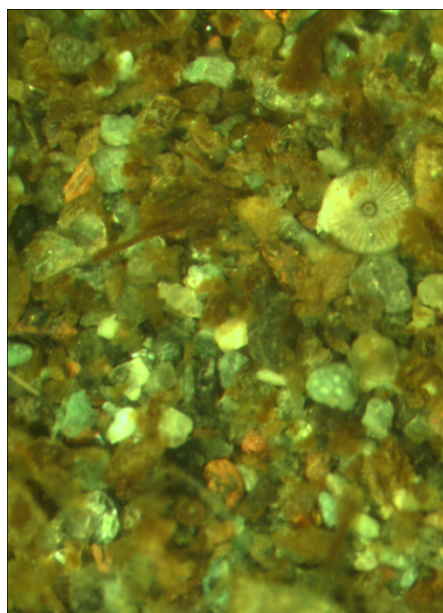
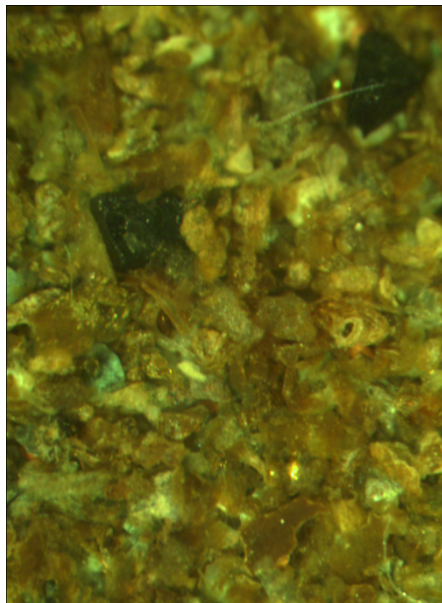
Organic-rich mineral sand

Percent	Composition
30	Quartz + Feldspar
35	Rock Fragments
traces	Mica
2	Volcanic glass
20	Accessory minerals
traces	Foraminifers
5	Diatoms
	Radiolarians
1	Sponge spicules
traces	Fish remains
ca. 5-10	Plant debris
	Ooids
	Pellets
2	Bioclasts
95	Sum

Total must equal 100%

Photos:

PS97-059-1SL_CC-63micron-12,5X-1.bmp
 PS97-059-1SL_CC-63micron-12,5X-2.bmp
 PS97-059-1SL_CC-63micron-12,5X-3.bmp
 PS97-059-1SL_CC-63micron-12,5X-4.bmp



Remarks:

Large benthic, coastal diatoms; some molluscs + ostracods, BF and PF rare: Cyclamina, Bulimina. Plant debris (?kelp makroalgae) difficult to estimate, as well as accessory minerals.

ANT-
XXXI/3

08.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	59-2BC	0-1 cm
62° 26.25' S	59° 39.49' W	353,9 m

Sediment name

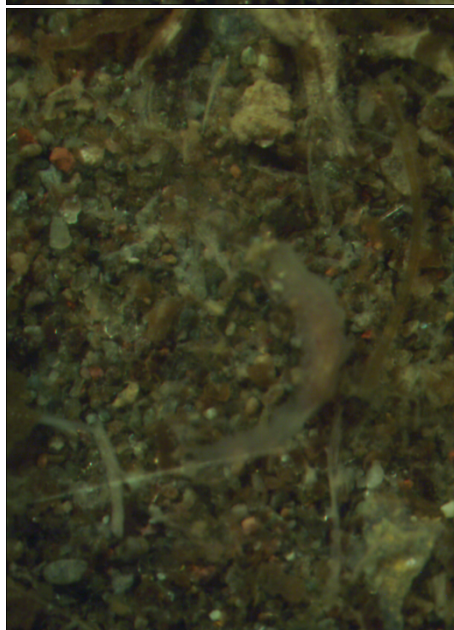
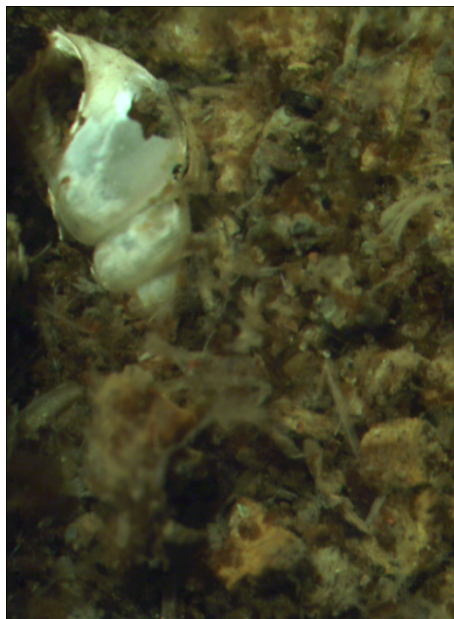
Organic-rich mineral sand with fluffy particles

Percent	Composition
30	Quartz + Feldspar
33	Rock Fragments
1	Mica
2	Volcanic glass
5	Accessory minerals
traces	Foraminifers
10	Diatoms
	Radiolarians
3	Sponge spicules
1	Fish remains
15	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-059-2GKG_OFL-63micron-08X-1.bmp
 PS97-059-2GKG_OFL-63micron-08X-2.bmp
 PS97-059-2GKG_OFL-63micron-08X-3.bmp
 PS97-059-2GKG_OFL-63micron-08X-4.bmp



Remarks:

Very few benthic and planktic foraminifera; coastal facies.

**ANT-
XXXI/3**

08.03.2016

Coarse fraction evaluation form

Core	Section	Depth
PS97	061-1BC	OFL
62° 33.53' S	59° 48.00' W	466,6 m

Sediment name

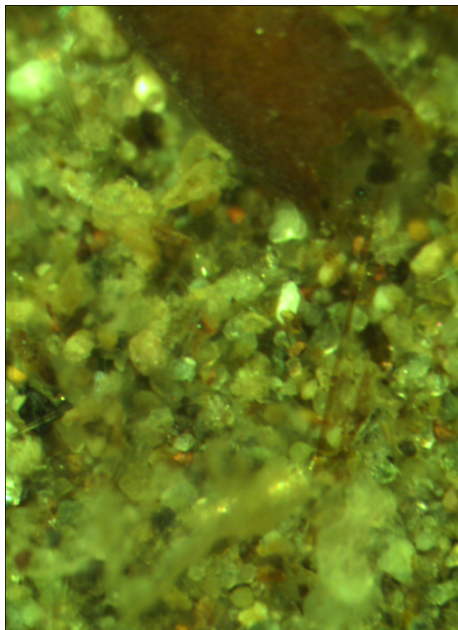
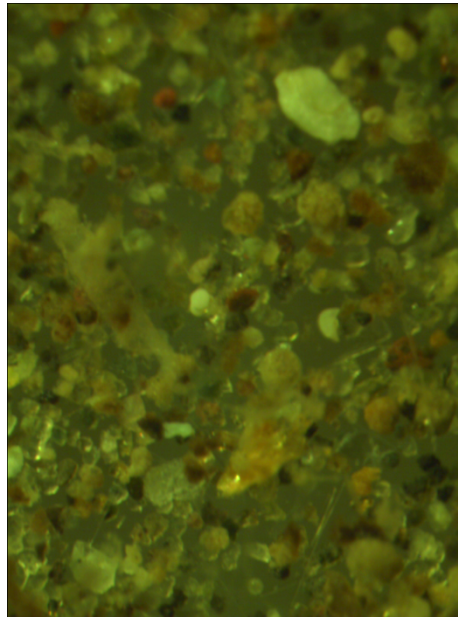
Quartz-mineral sand with fluffy material and bio-siliceous fraction

Percent	Composition
40	Quartz + Feldspar
10	Rock Fragments
2	Mica
10	Volcanic glass
15	Accessory minerals
traces	Foraminifers
5	Diatoms
	Radiolarians
7	Sponge spicules
	Fish remains
10	Plant debris/organic
	Ooids
	Pellets
1	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-061-1GKG_OFL-63micron-16X-1.bmp
 PS97-061-1GKG_OFL-63micron-16X-2.bmp
 PS97-061-1GKG_OFL-63micron-16X-3.bmp
 PS97-061-1GKG_OFL-63micron-16X-4.bmp
 PS97-061-1GKG_OFL-63micron-16X-5.bmp



Remarks:

Very few PF; few large, 1-2mm rock fragments.

**ANT-
XXXI/3**

08.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	062-1BC	OFL
62° 34.19' S	59° 50.82' W	477,4 m

Sediment name

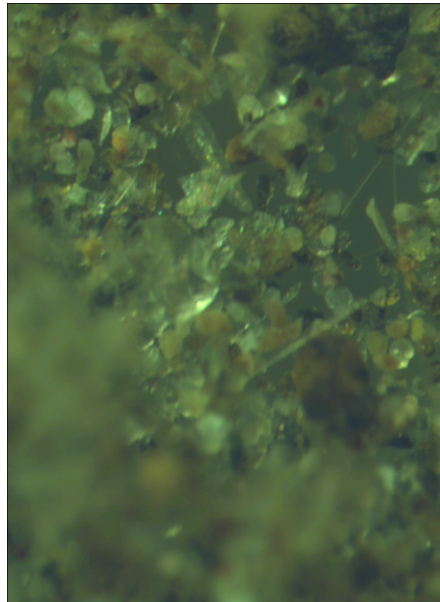
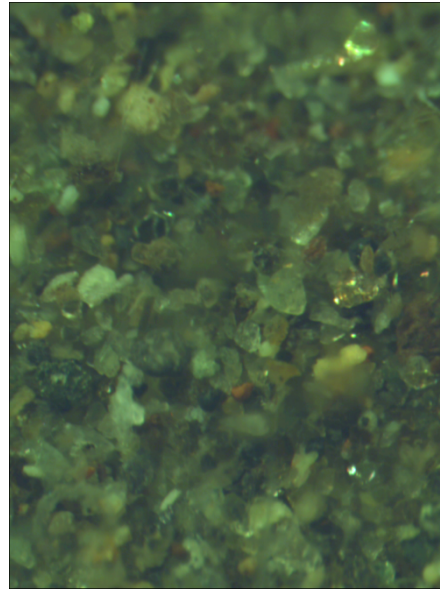
Mineral sand with siliceous biogenic fraction and organic fluffy layer

Percent	Composition
43	Quartz + Feldspar
10	Rock Fragments
2	Mica
10	Volcanic glass
16	Accessory minerals
	Foraminifers
3	Diatoms
	Radiolarians
5	Sponge spicules
1	Fish remains
10	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-062-1GKG_OFL-63micron-16X-1.bmp
 PS97-062-1GKG_OFL-63micron-16X-2.bmp
 PS97-062-1GKG_OFL-63micron-16X-3.bmp
 PS97-062-1GKG_OFL-63micron-16X-4.bmp



Remarks:

Muskovite and biotite; no calcareous particles except for few macrofossils. e.g. bivalves of 200-500 microns, small transparent BF.

ANT-
XXXI/3

08.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	063GC	CC
62° 33.58' S	59° 47.84' W	468,5 m

Sediment name

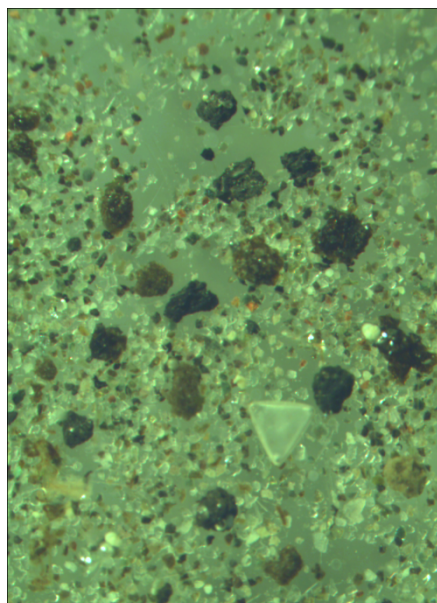
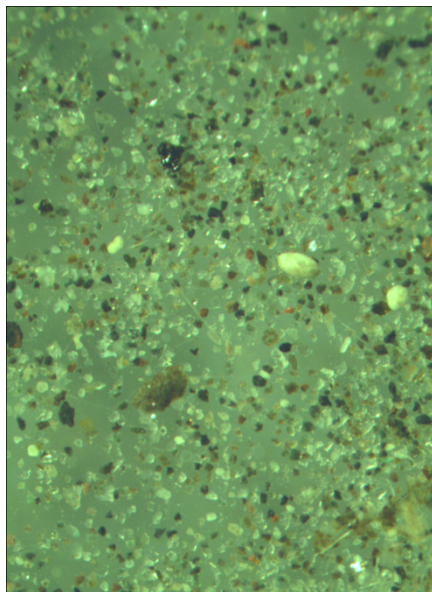
Fine quartz sand with basaltic lava fragments and pumice
--

Percent	Composition
30	Quartz + Feldspar
28	Rock Fragments
8	Mica
15	Volcanic glass
5	Accessory minerals
1	Foraminifers
10	Diatoms
	Radiolarians
3	Sponge spicules
	Fish remains
	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-063-1SL_CC-63micron-08X-1.bmp
PS97-063-1SL_CC-63micron-08X-2.bmp
PS97-063-1SL_CC-63micron-08X-3.bmp
PS97-063-1SL_CC-63micron-08X-4.bmp



Remarks:

Very rare Nps (1 spec.), few calcareous and arenaceous BF; basaltic lava as slag; triformed benthic diatom species (photo).

**ANT-
XXXI/3**

08.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	064-1GC	CC
62° 35.00' S	59° 38.73' W	462,8 m

Sediment name

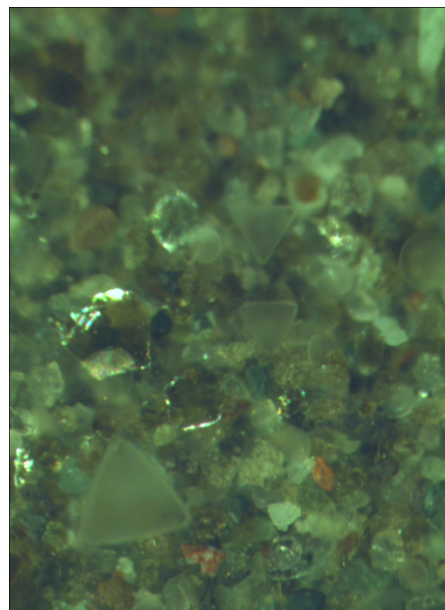
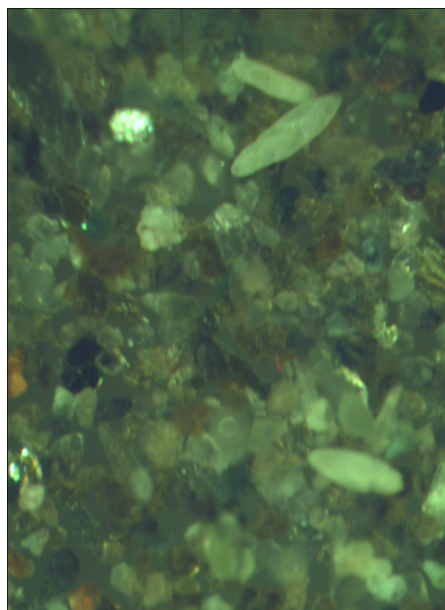
Quartz-mineral sand with siliceous biogenic fraction

Percent	Composition
41	Quartz + Feldspar
20	Rock Fragments
5	Mica
8	Volcanic glass
15	Accessory minerals
1	Foraminifers
5	Diatoms
	Radiolarians
traces	Sponge spicules
traces	Fish remains
5	Plant debris/organic
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-064-1SL_CC-63micron-20X-1.bmp
 PS97-064-1SL_CC-63micron-20X-2.bmp
 PS97-064-1SL_CC-63micron-20X-3.bmp
 PS97-064-1SL_CC-63micron-20X-4.bmp
 PS97-064-1SL_CC-63micron-20X-5.bmp
 PS97-064-1SL_CC-63micron-20X-6.bmp



Remarks:

Small, elongated biserial BF, white to transparent, ?fragments of PF.

**ANT-
XXXI/3**

08.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	065-1GC	CC
62° 34.16' S	59° 50.91' W	493 m

Sediment name

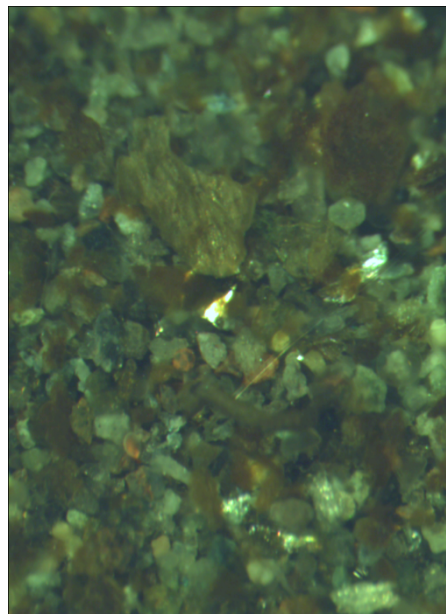
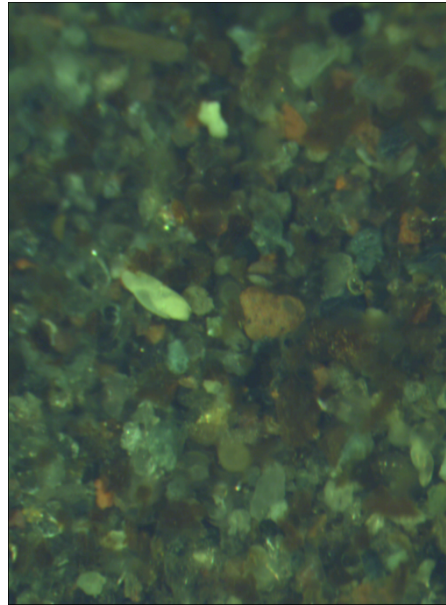
Mineral sand, mica-rich with siliceous biogenic fraction

Percent	Composition
30	Quartz + Feldspar
15	Rock Fragments
7	Mica
8	Volcanic glass
10	Accessory minerals
traces	Foraminifers
10	Diatoms
	Radiolarians
5	Sponge spicules
	Fish remains
15	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

PS97-065-1SL_CC-63micron-16X-1.bmp
 PS97-065-1SL_CC-63micron-16X-2.bmp
 PS97-065-1SL_CC-63micron-16X-3.bmp
 PS97-065-1SL_CC-63micron-16X-4.bmp
 PS97-065-1SL_CC-63micron-16X-5.bmp
 PS97-065-1SL_CC-63micron-16X-6.bmp



Remarks:

Few transparent-milky elongated BF; centric and "trigonal" benthic diatoms; organic fraction of yellowish-brown plant (kelp) fragments.

**ANT-
XXXI/3**

08.03.16

Coarse fraction evaluation form

Core	Section	Depth
PS97	066-1GC	CC
62° 34.16' S	59° 50.91' W	493 m

Sediment name

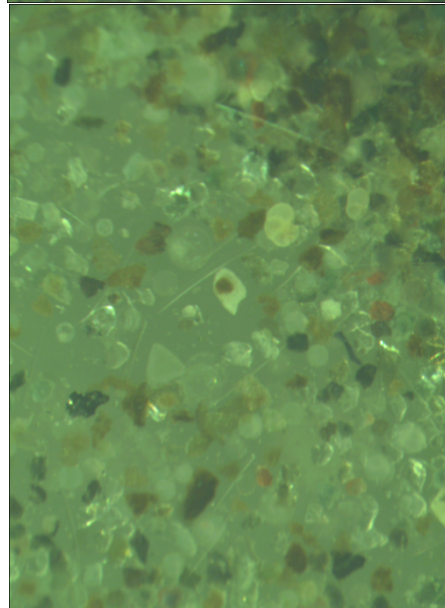
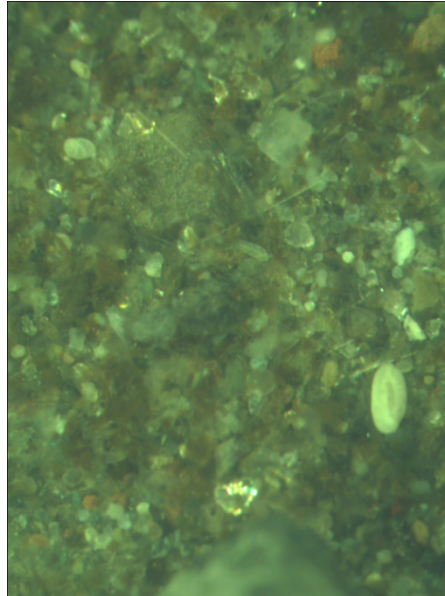
Mineral sand with biogenic fraction of diatoms, plant debris

Percent	Composition
40	Quartz + Feldspar
25	Rock Fragments
5	Mica
5	Volcanic glass
15	Accessory minerals
1	Foraminifers
5	Diatoms
	Radiolarians
1	Sponge spicules
	Fish remains
3	Plant debris
	Ooids
	Pellets
	Bioclasts
100	Sum

Total must equal 100%

Photos:

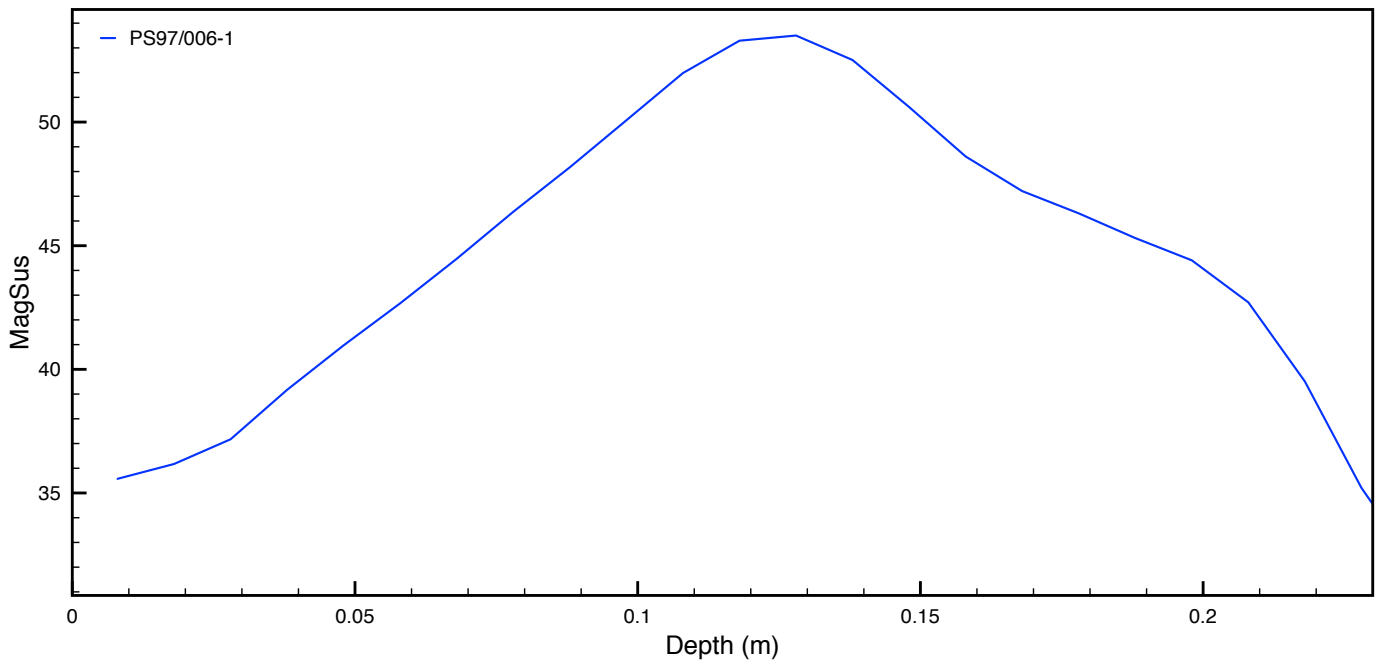
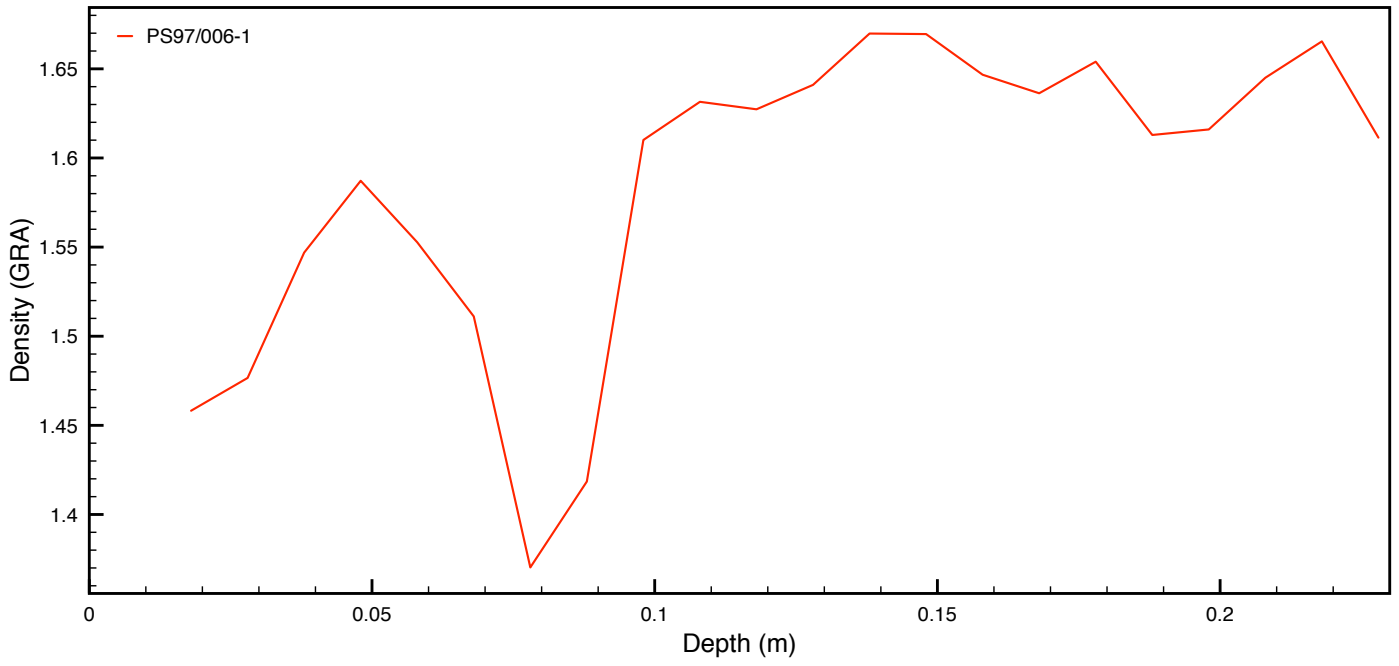
PS97-066-1SL_CC-63micron-10X-6.bmp
 PS97-066-1SL_CC-63micron-16X-1.bmp
 PS97-066-1SL_CC-63micron-16X-2.bmp
 PS97-066-1SL_CC-63micron-16X-3.bmp
 PS97-066-1SL_CC-63micron-16X-4.bmp
 PS97-066-1SL_CC-63micron-16X-5.bmp



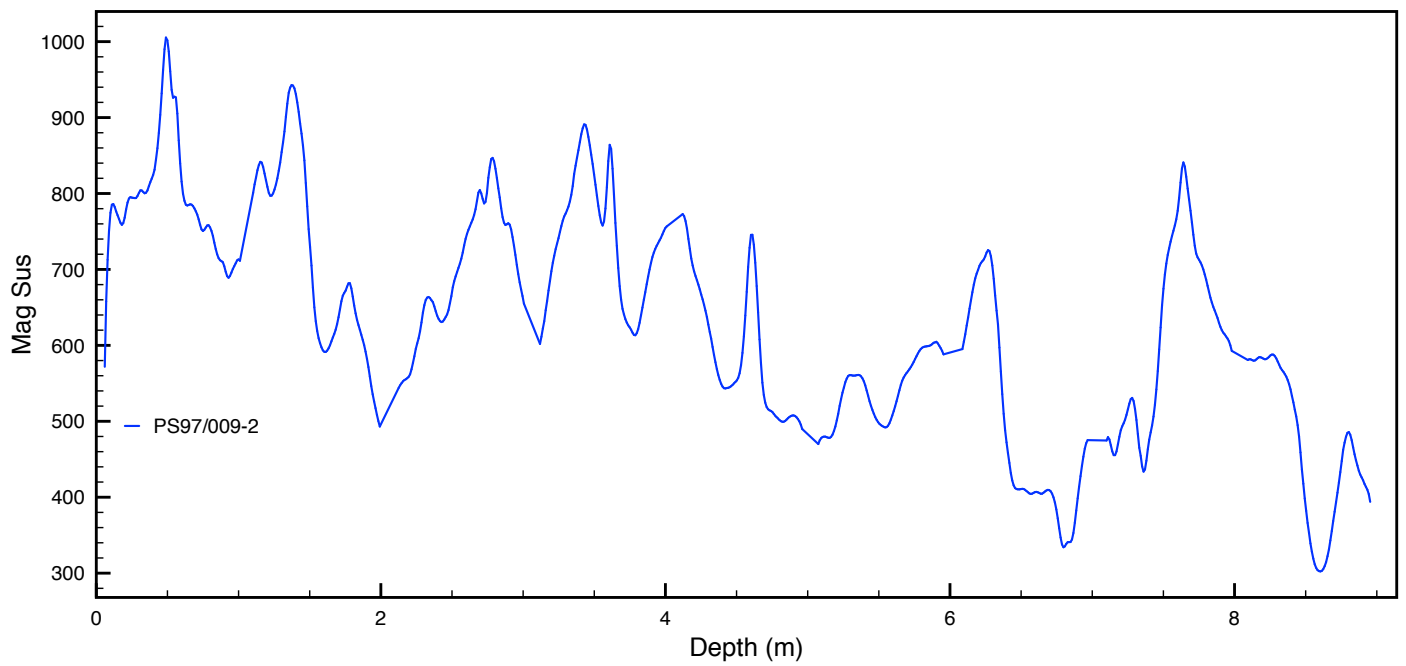
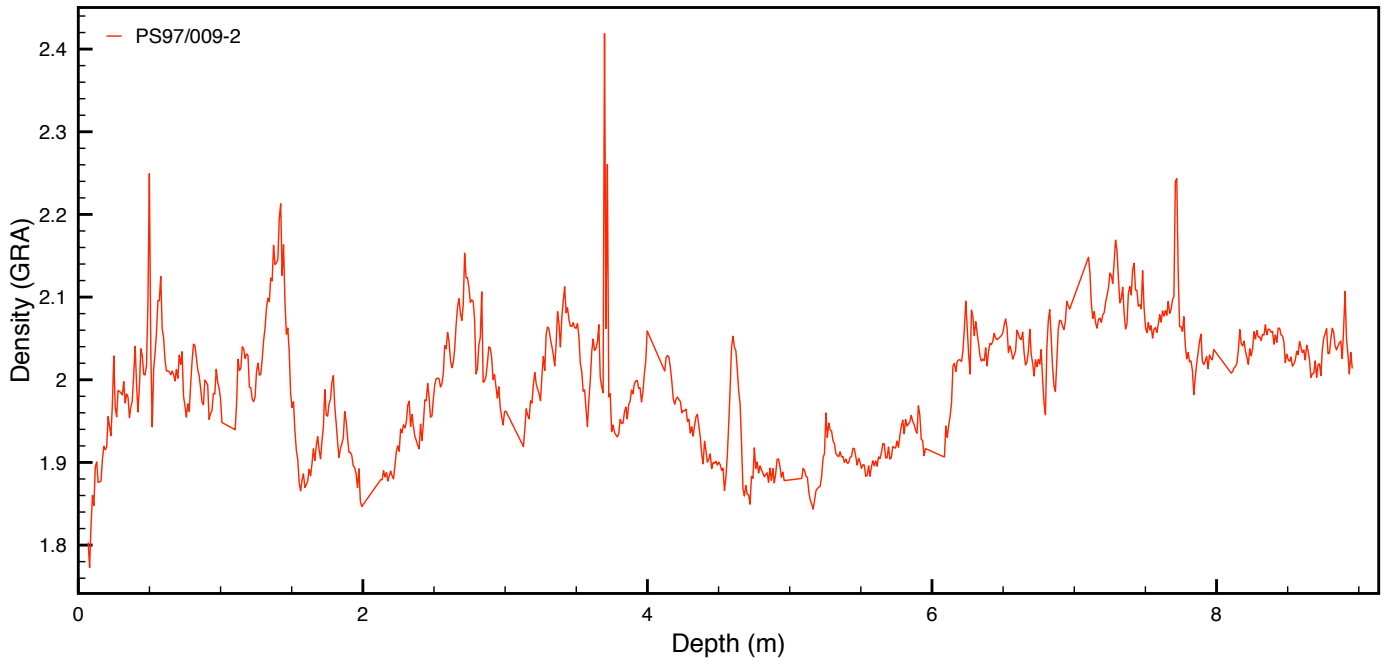
Remarks:

Significant BF content, centric diatoms, and plant material.

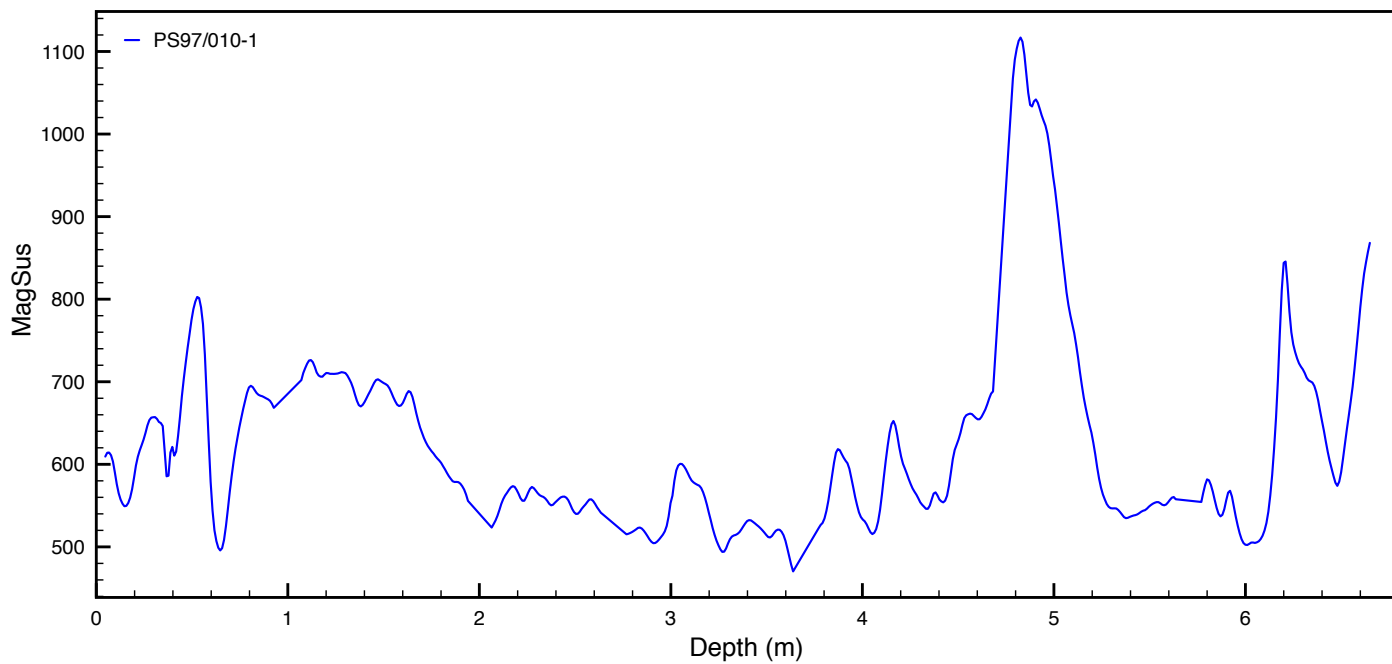
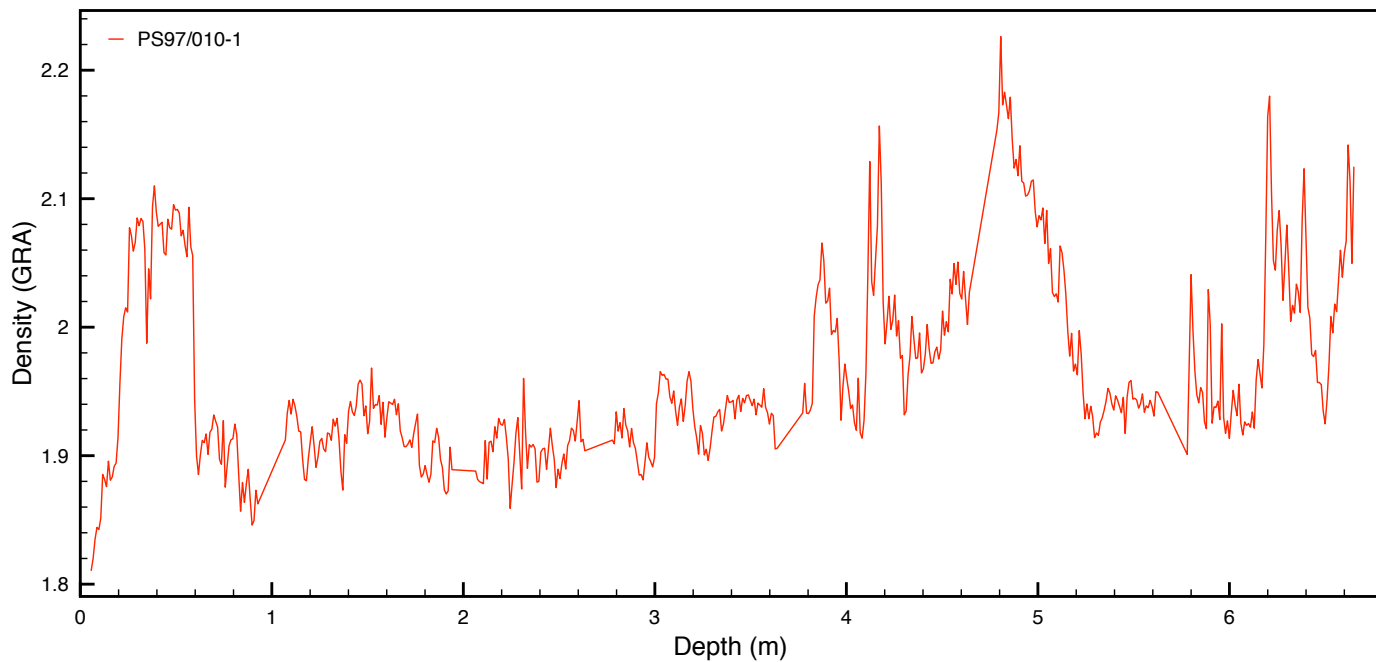
Appendix A.9 Physical Properties



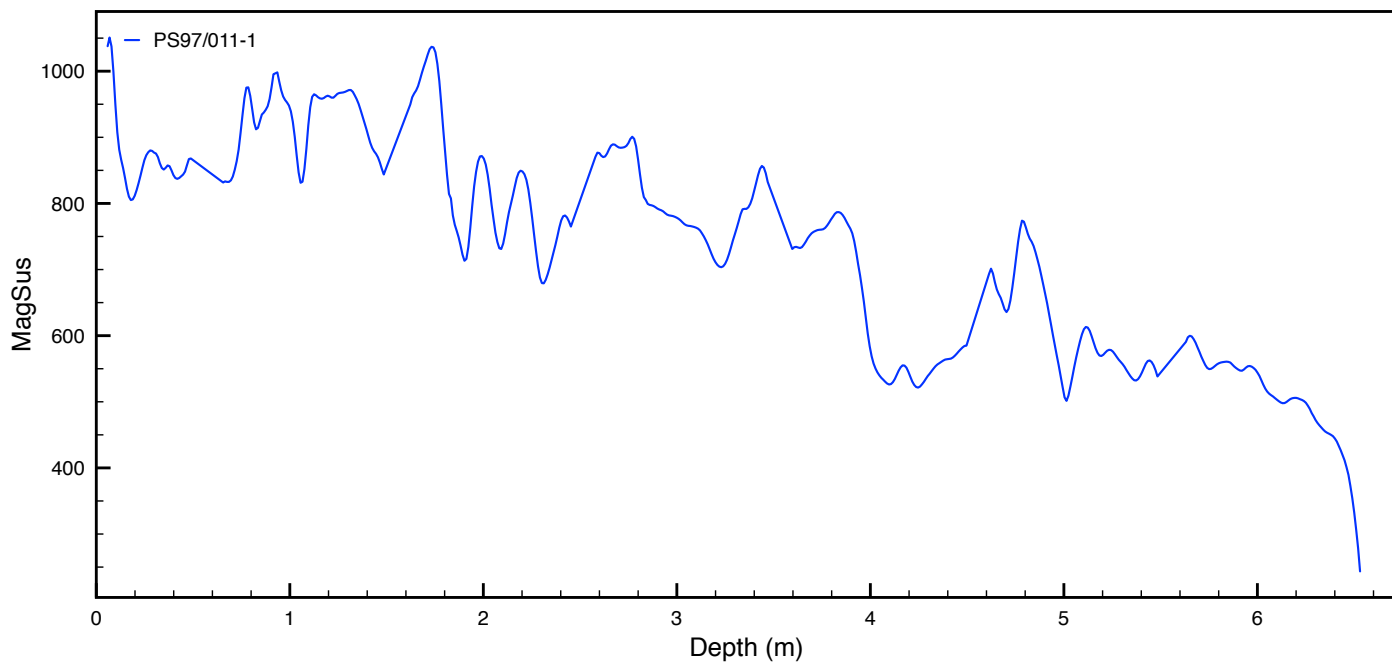
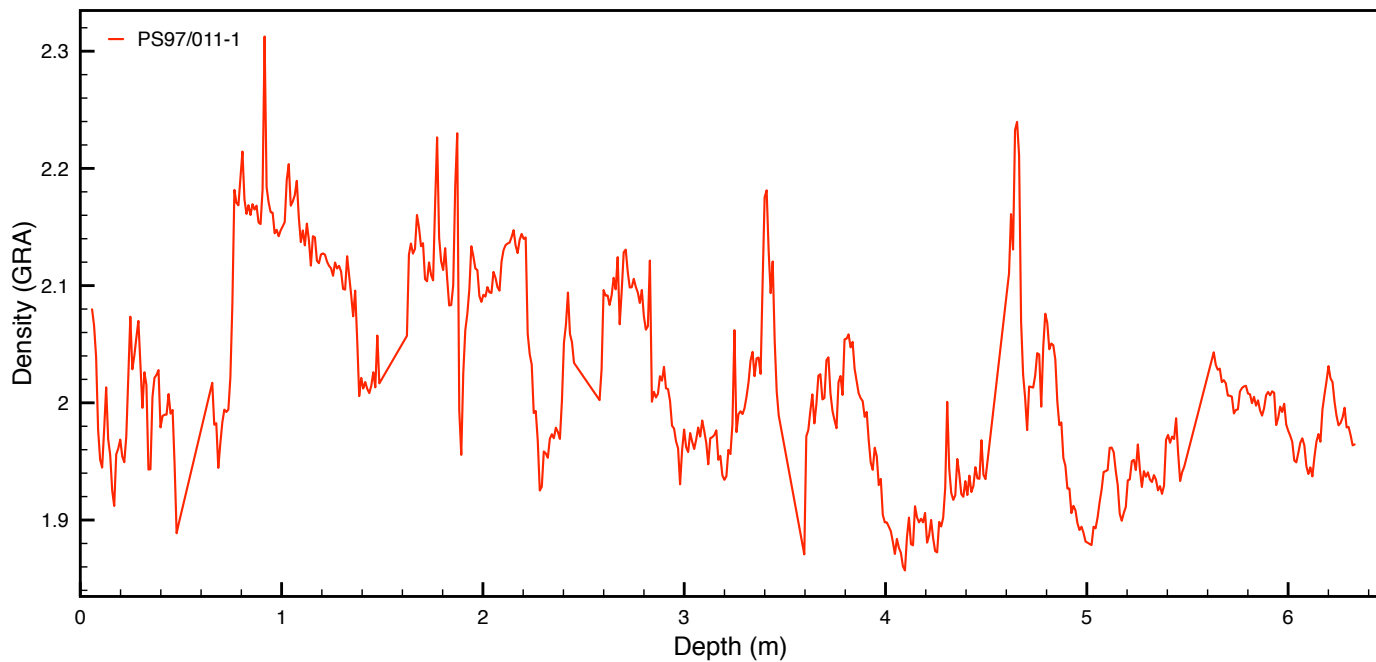
Appendix A.9 Physical Properties



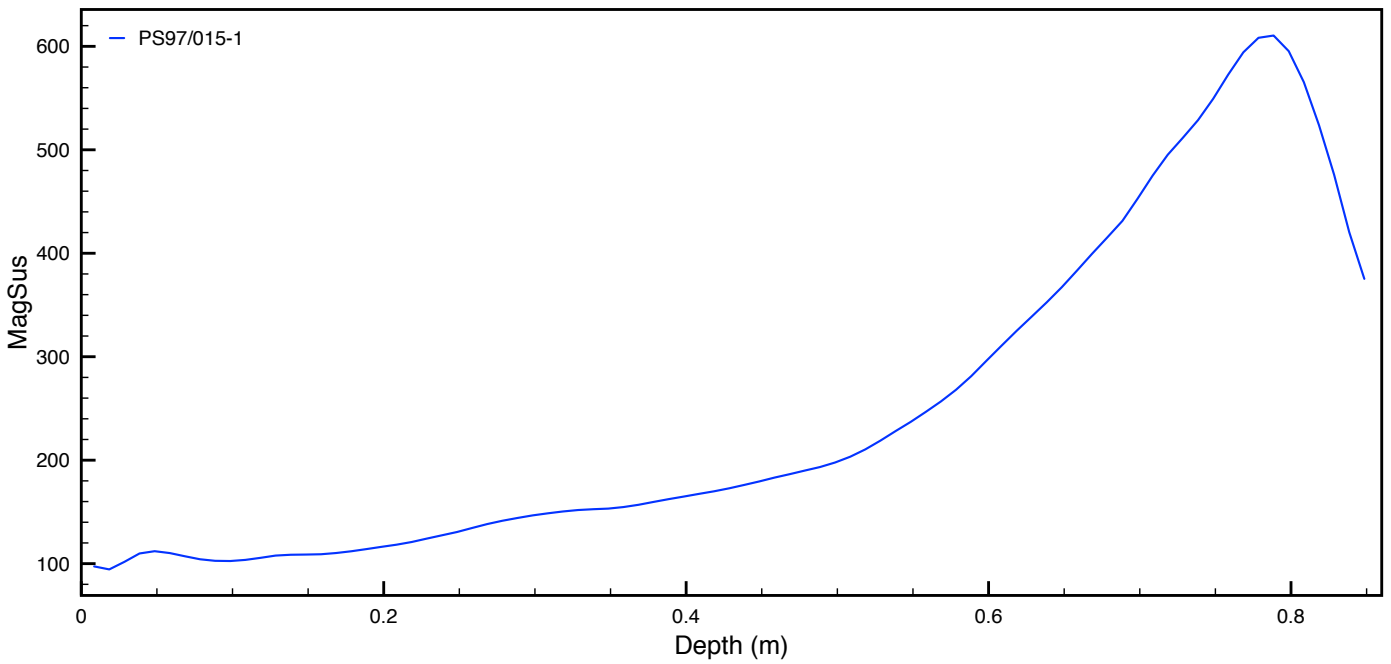
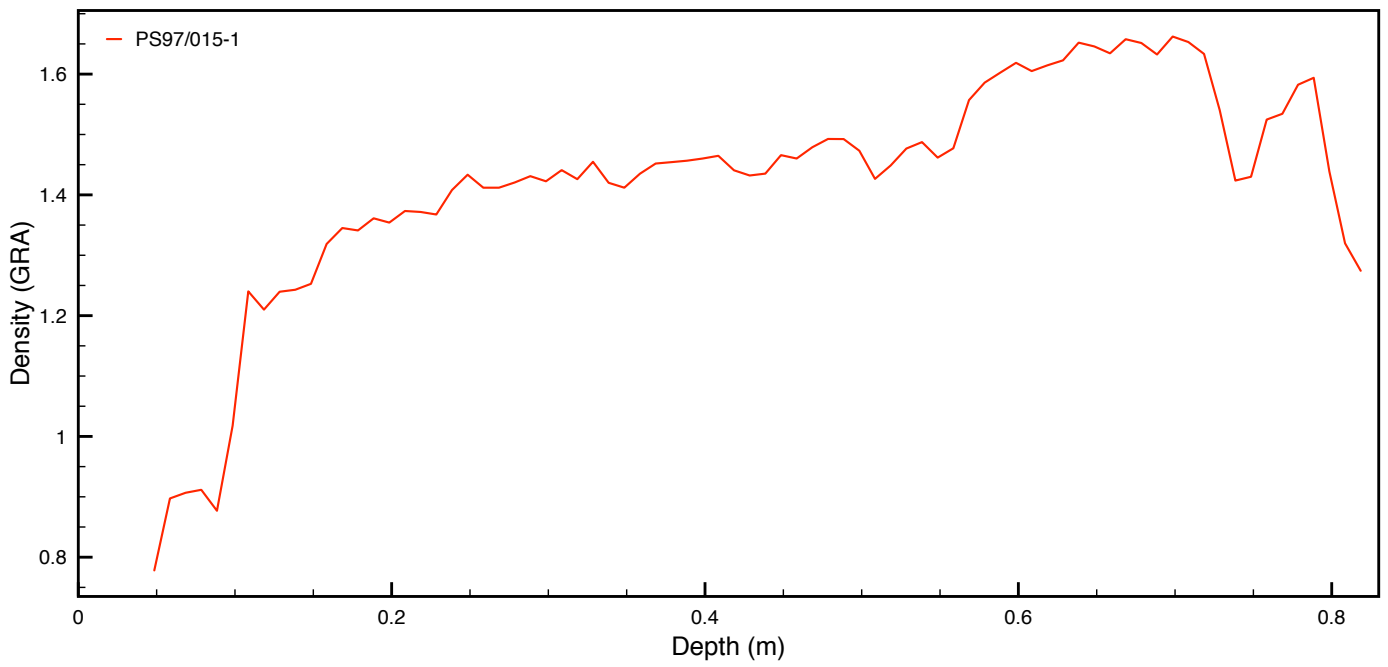
Appendix A.9 Physical Properties



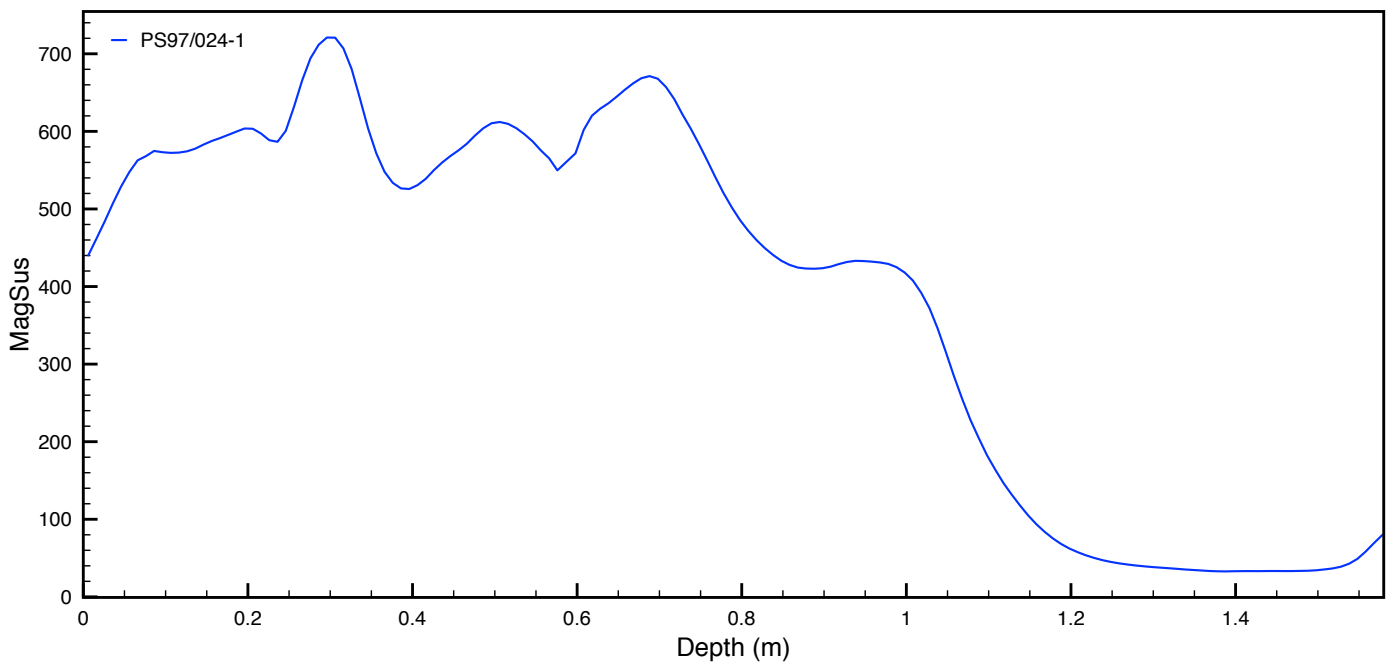
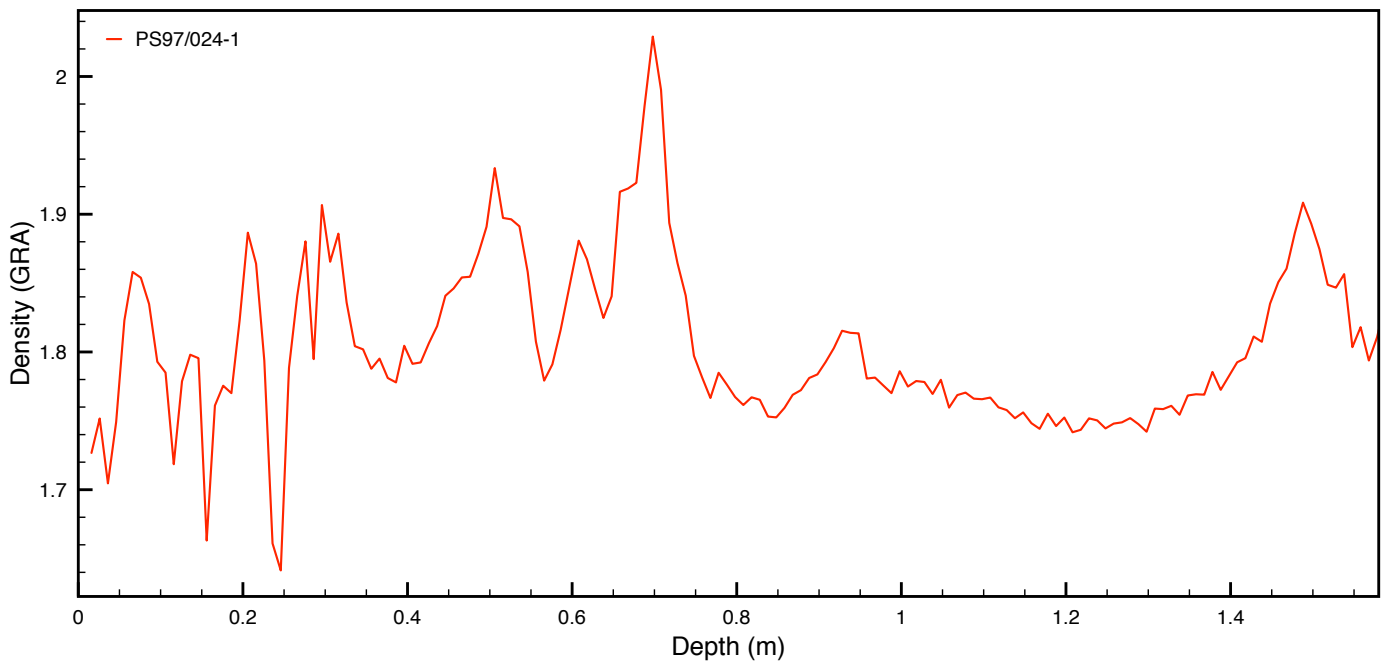
Appendix A.9 Physical Properties



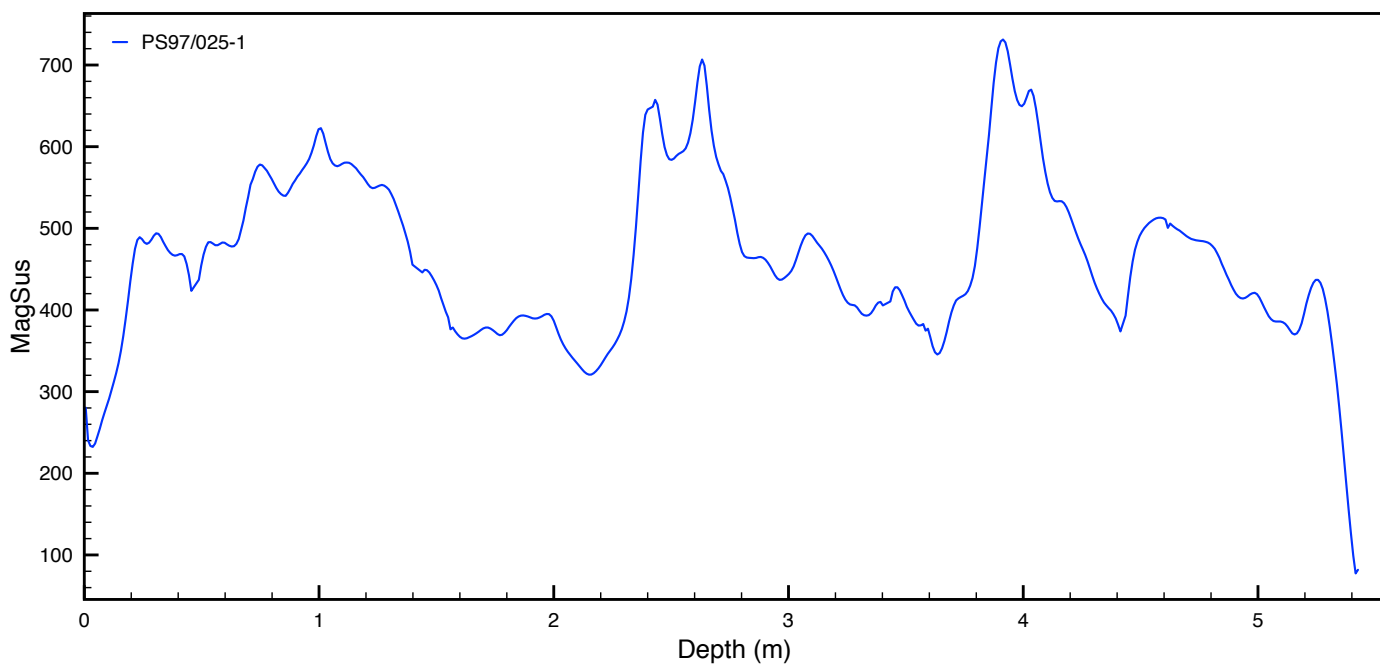
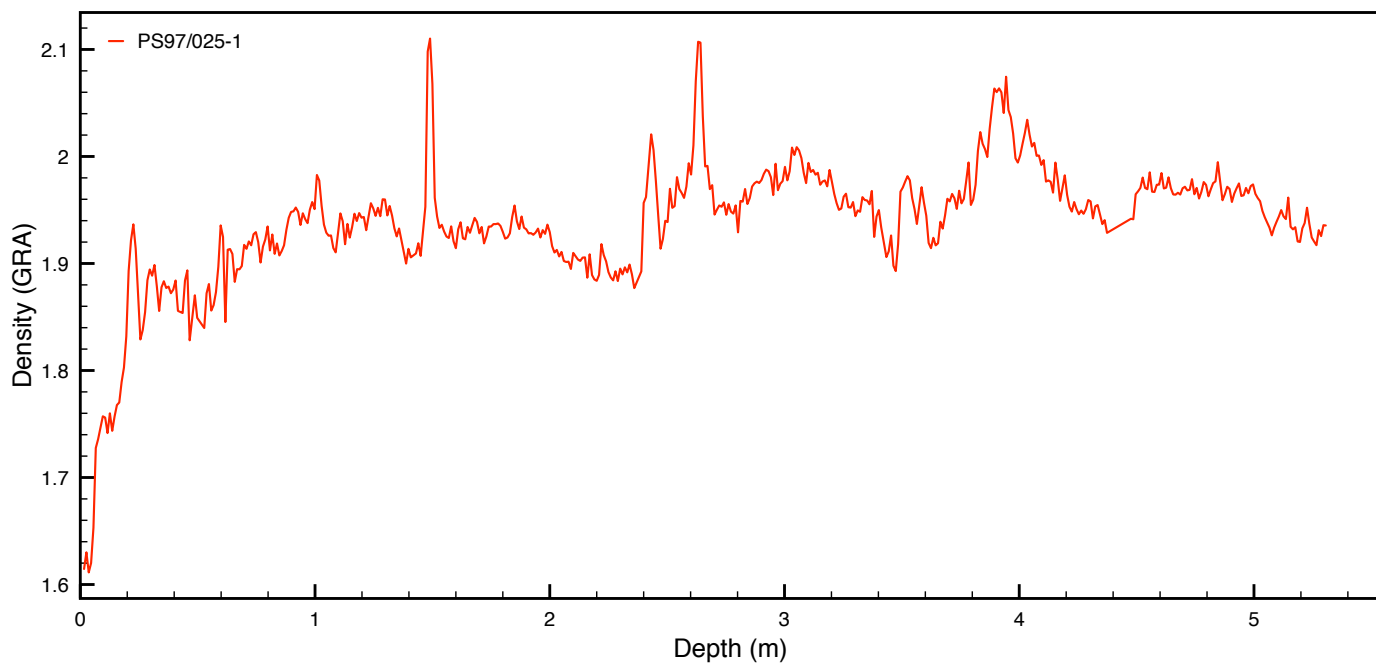
Appendix A.9 Physical Properties



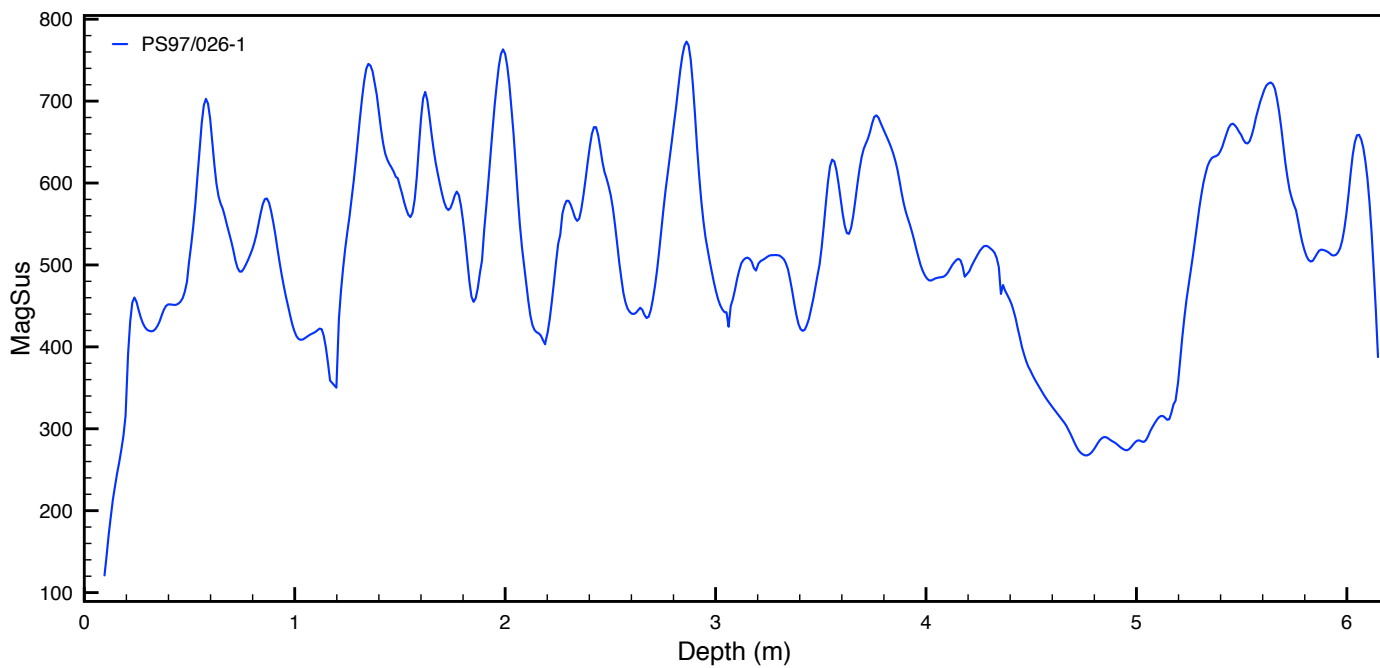
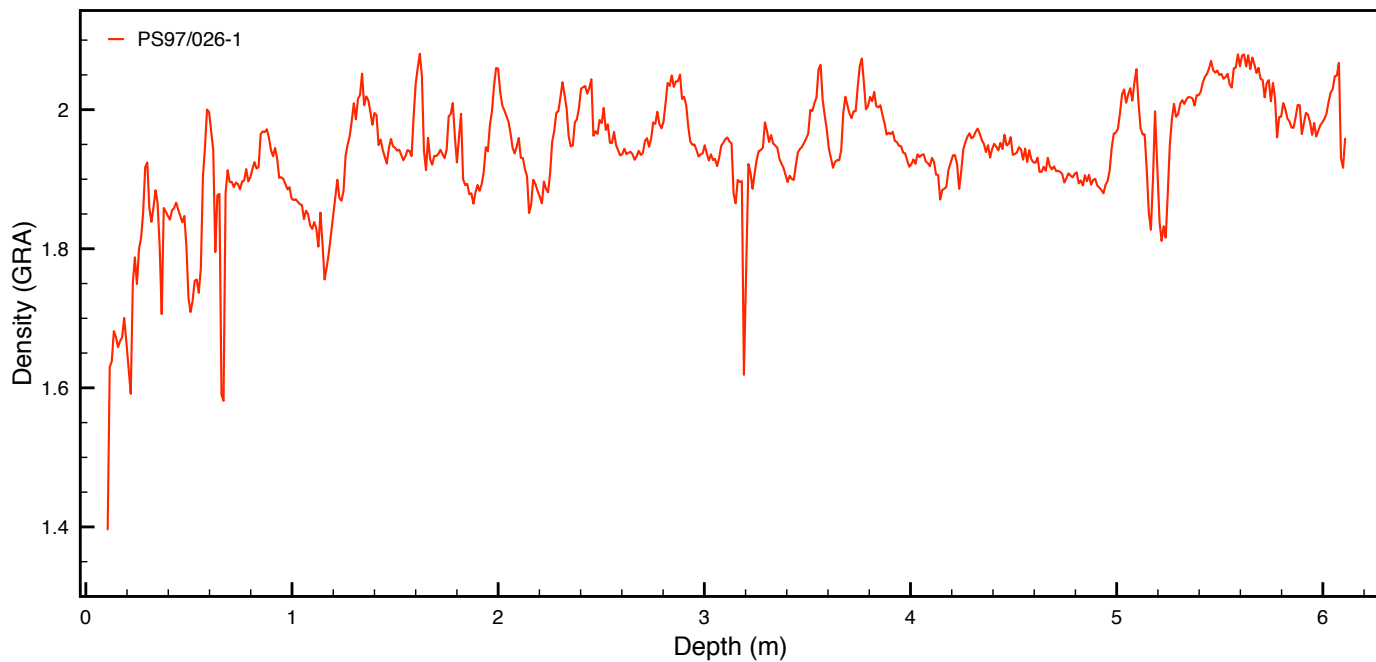
Appendix A.9 Physical Properties



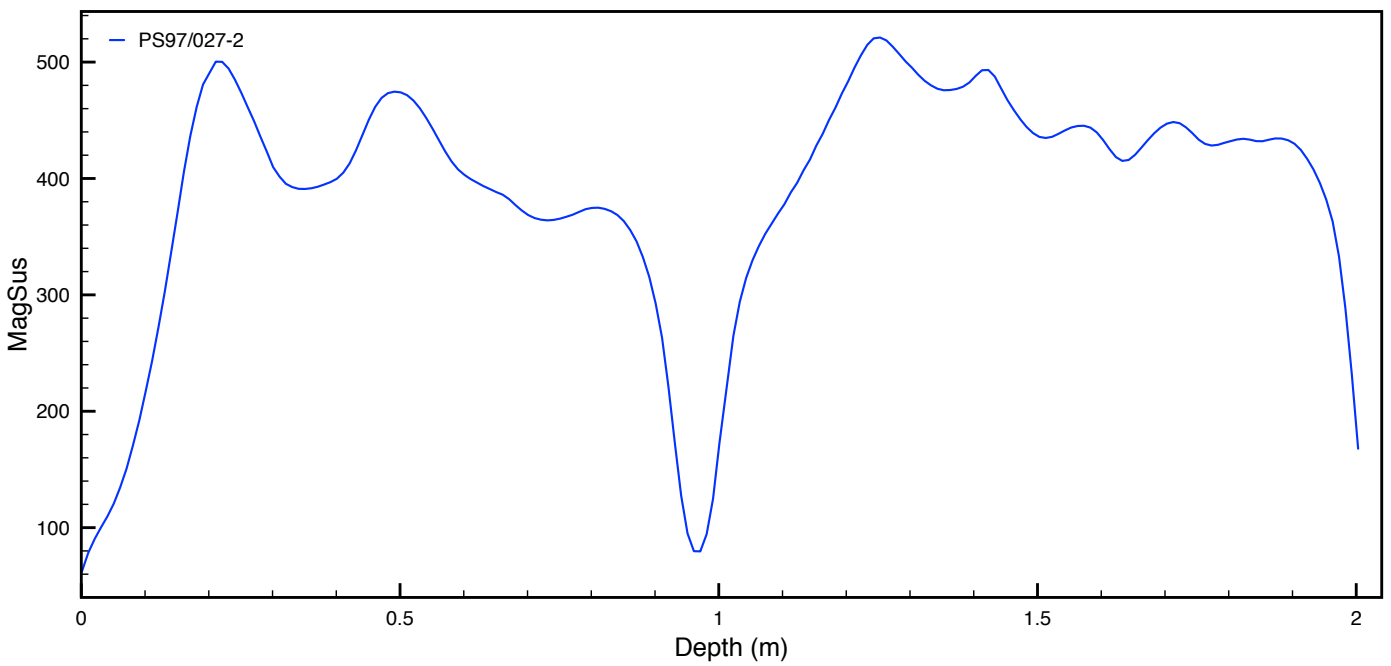
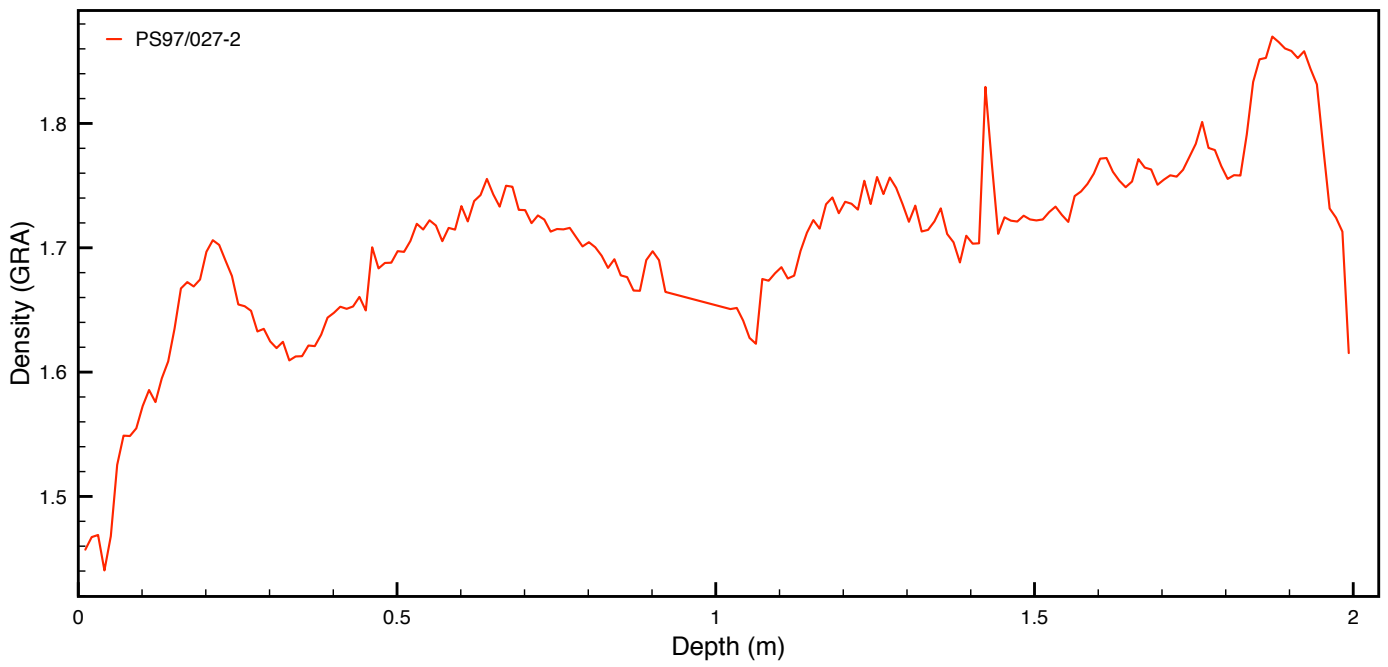
Appendix A.9 Physical Properties



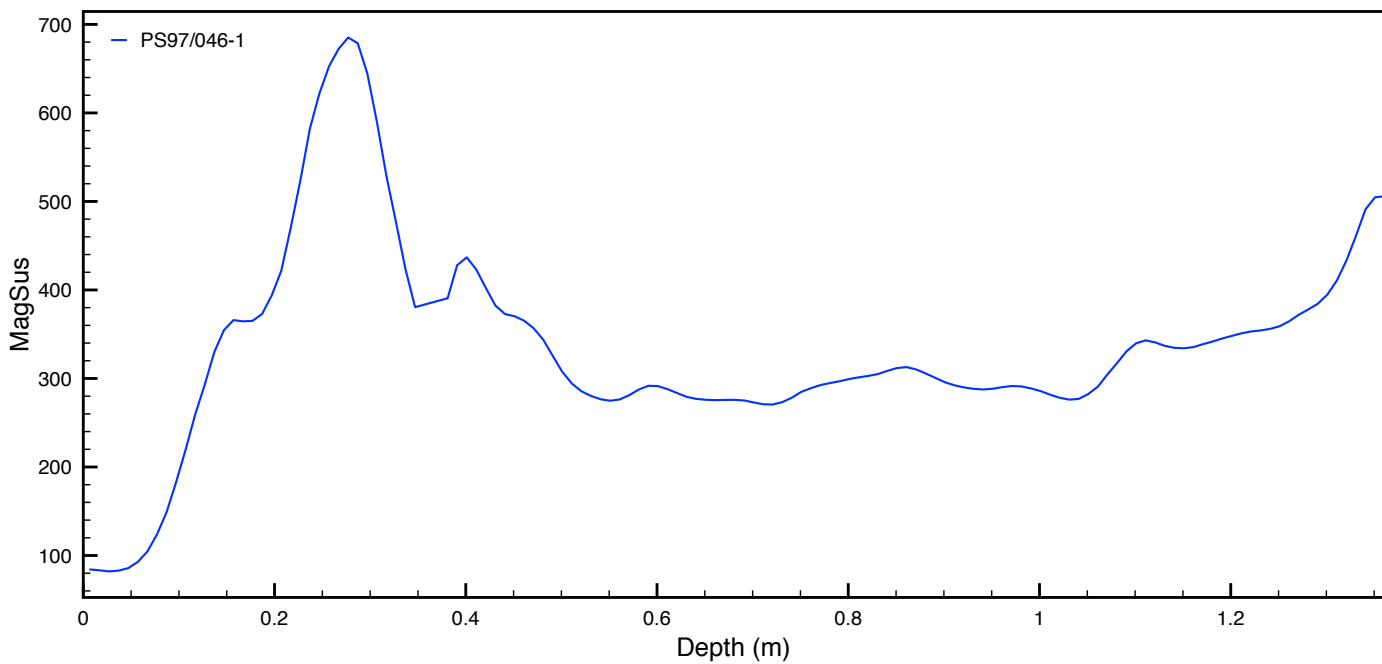
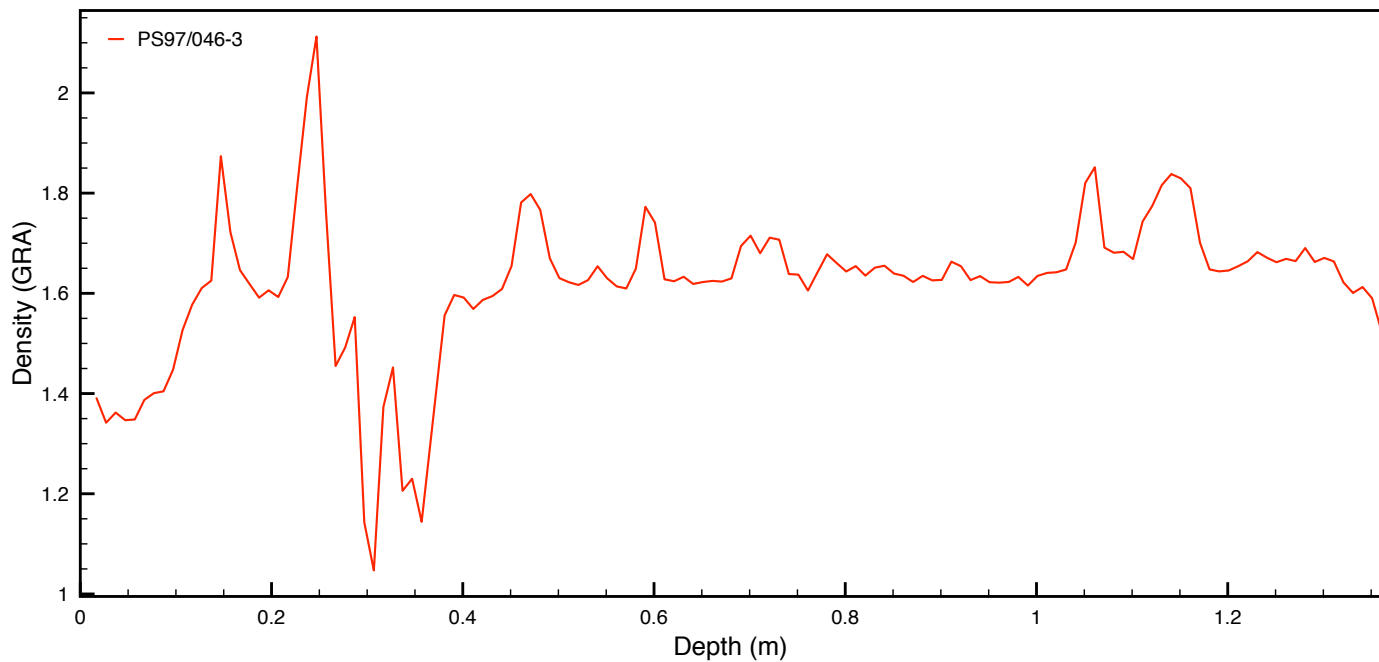
Appendix A.9 Physical Properties



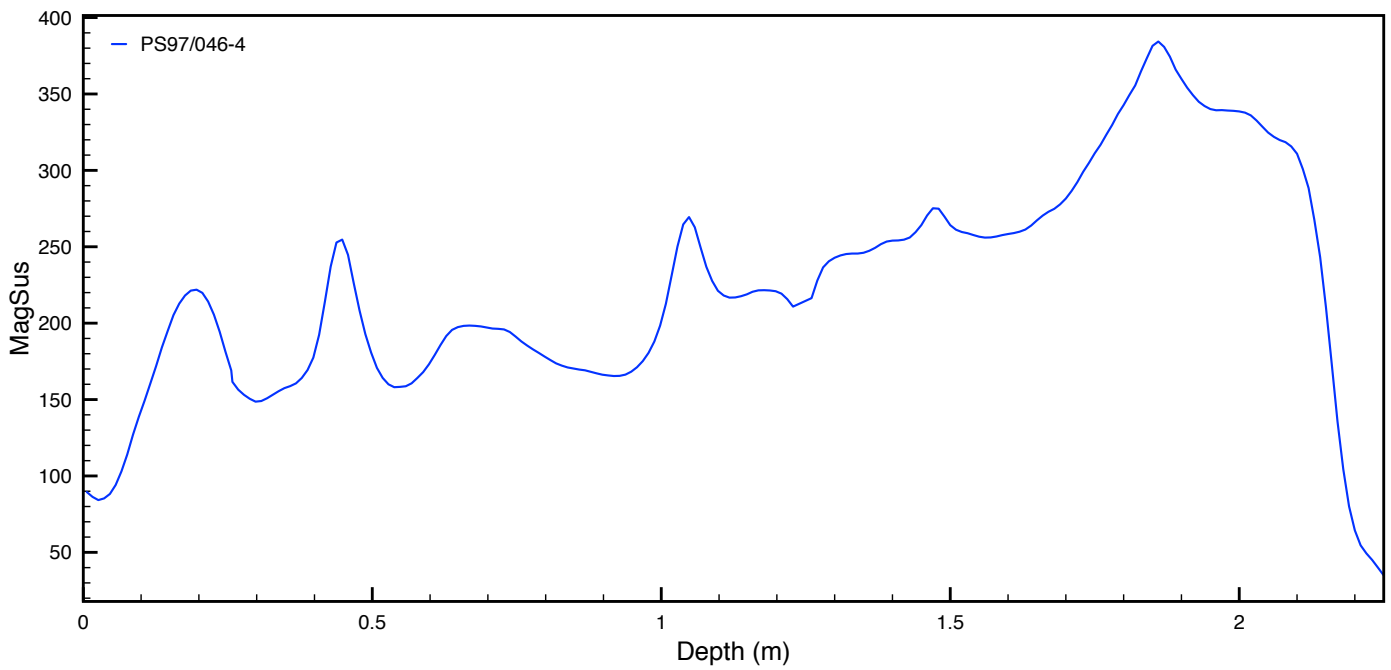
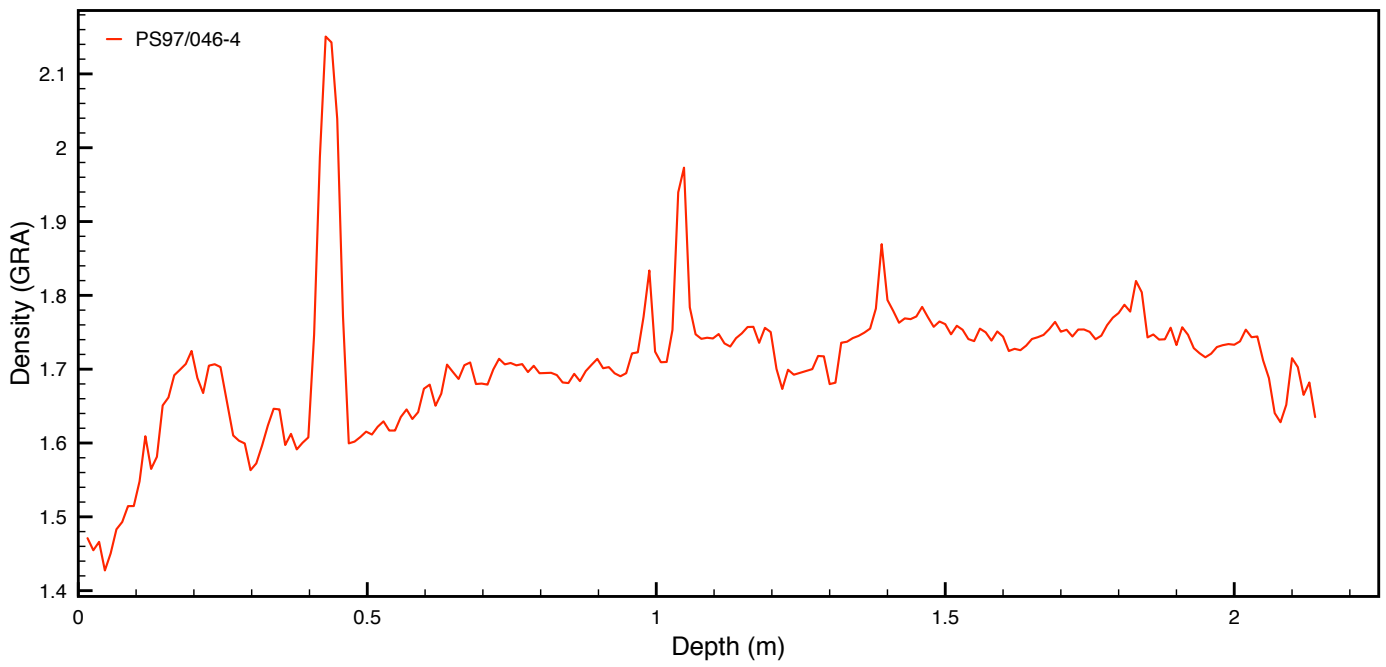
Appendix A.9 Physical Properties



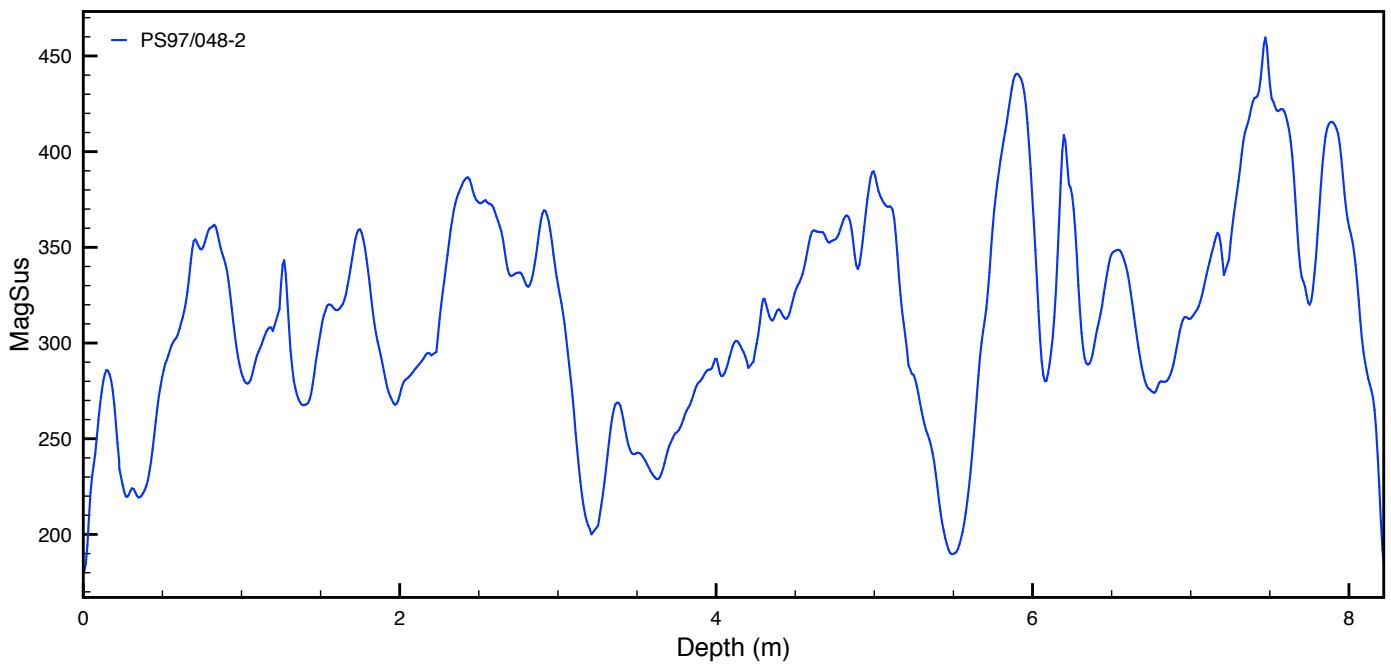
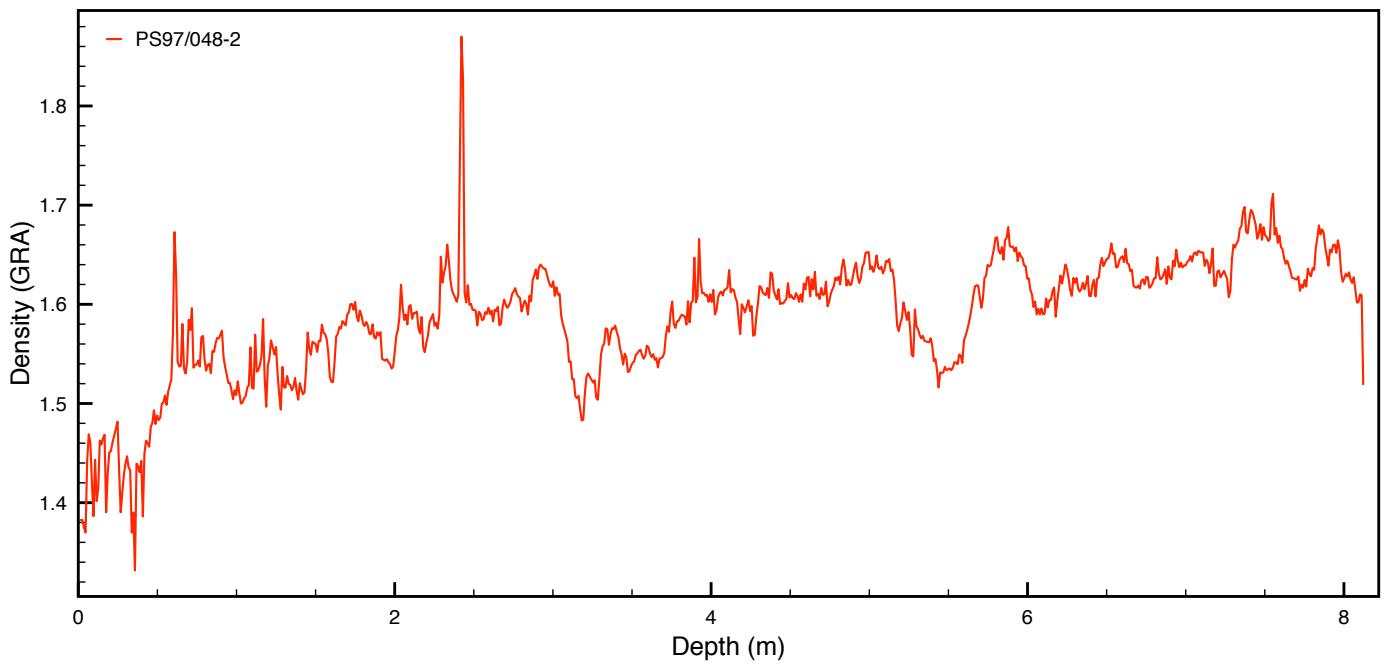
Appendix A.9 Physical Properties



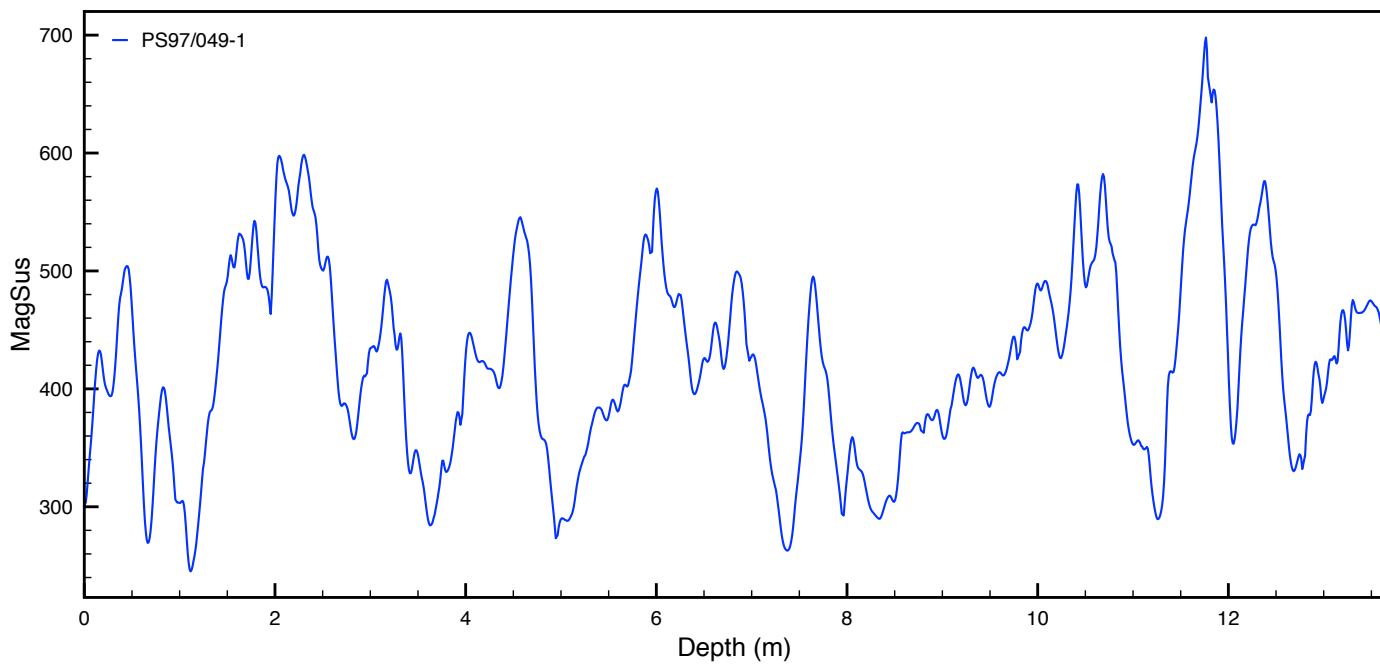
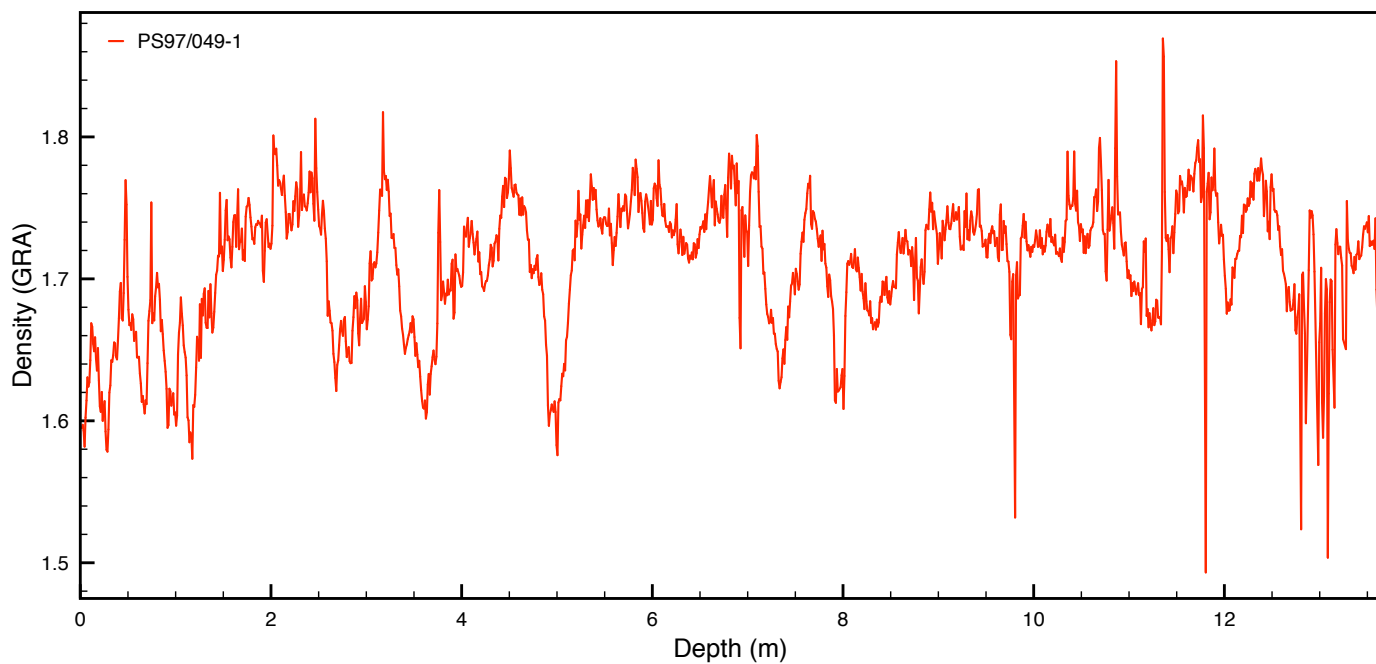
Appendix A.9 Physical Properties



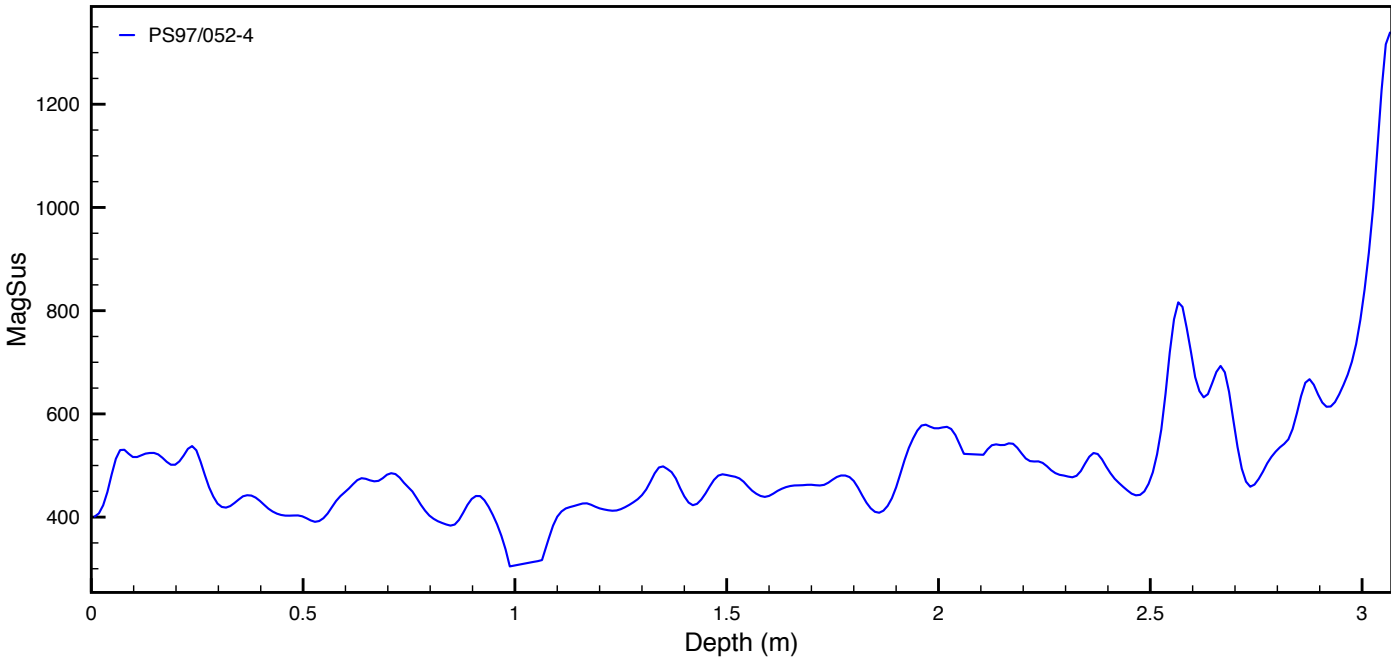
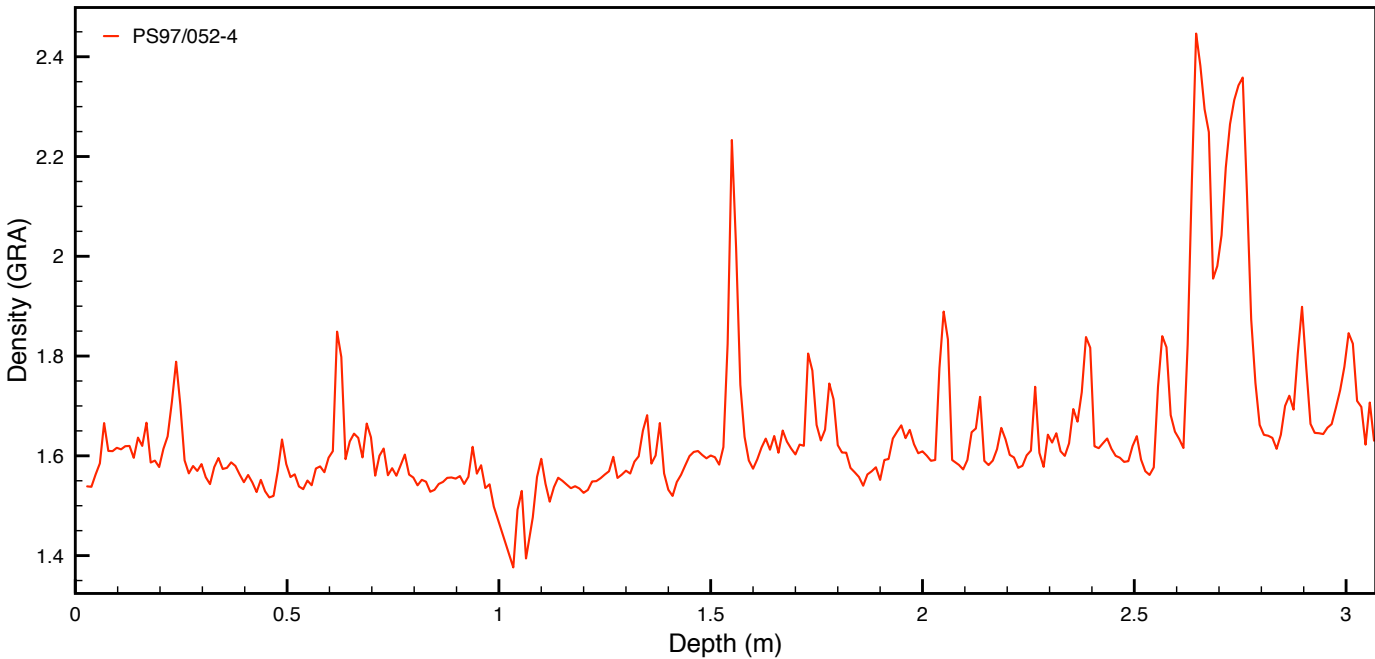
Appendix A.9 Physical Properties



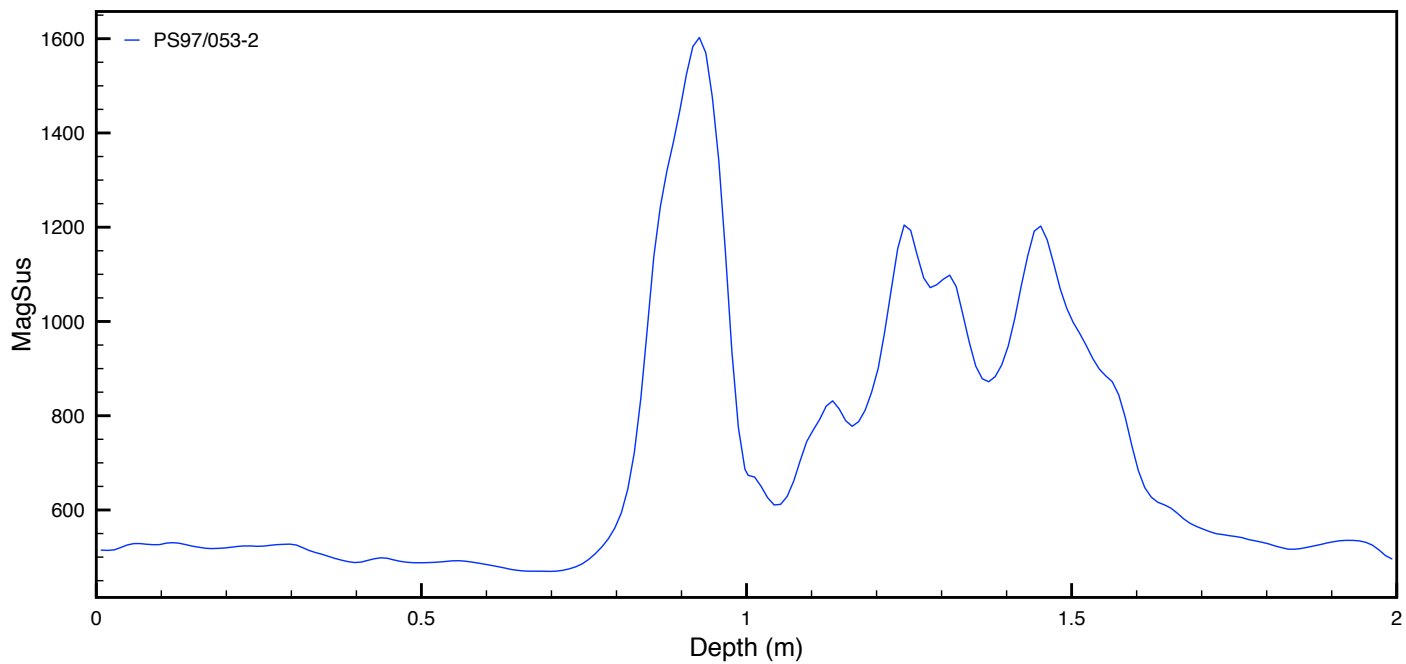
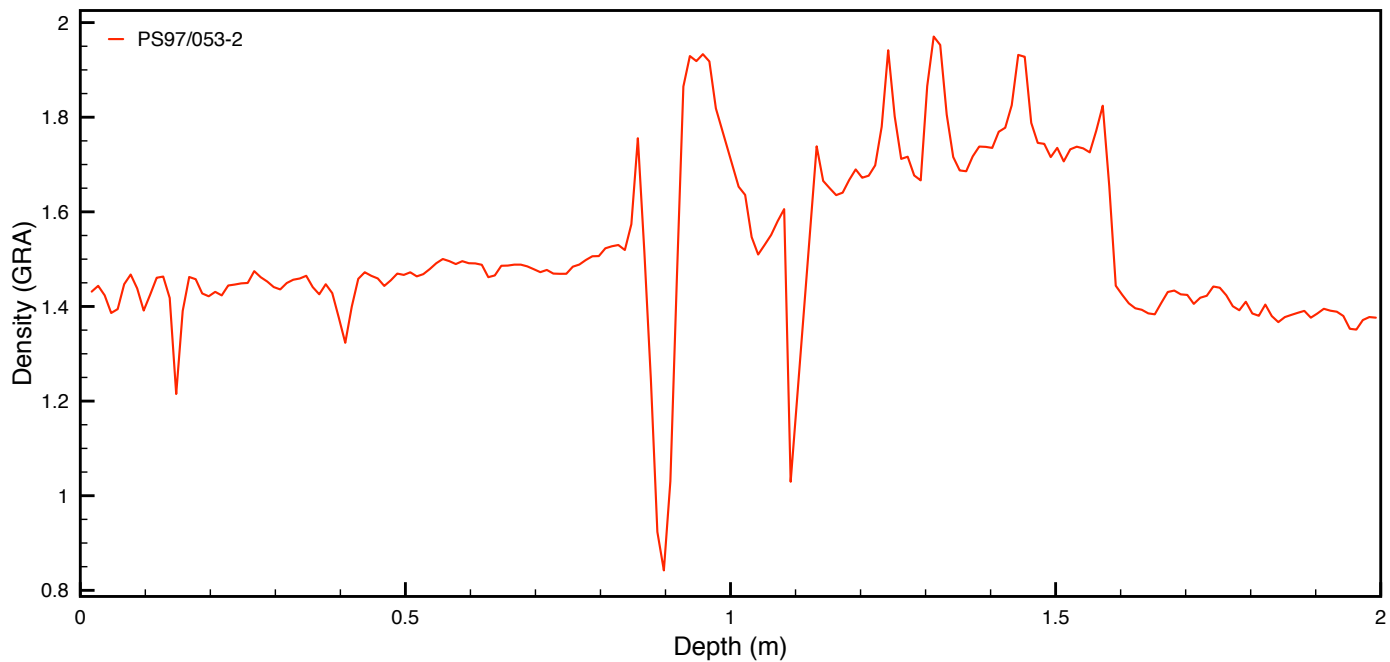
Appendix A.9 Physical Properties



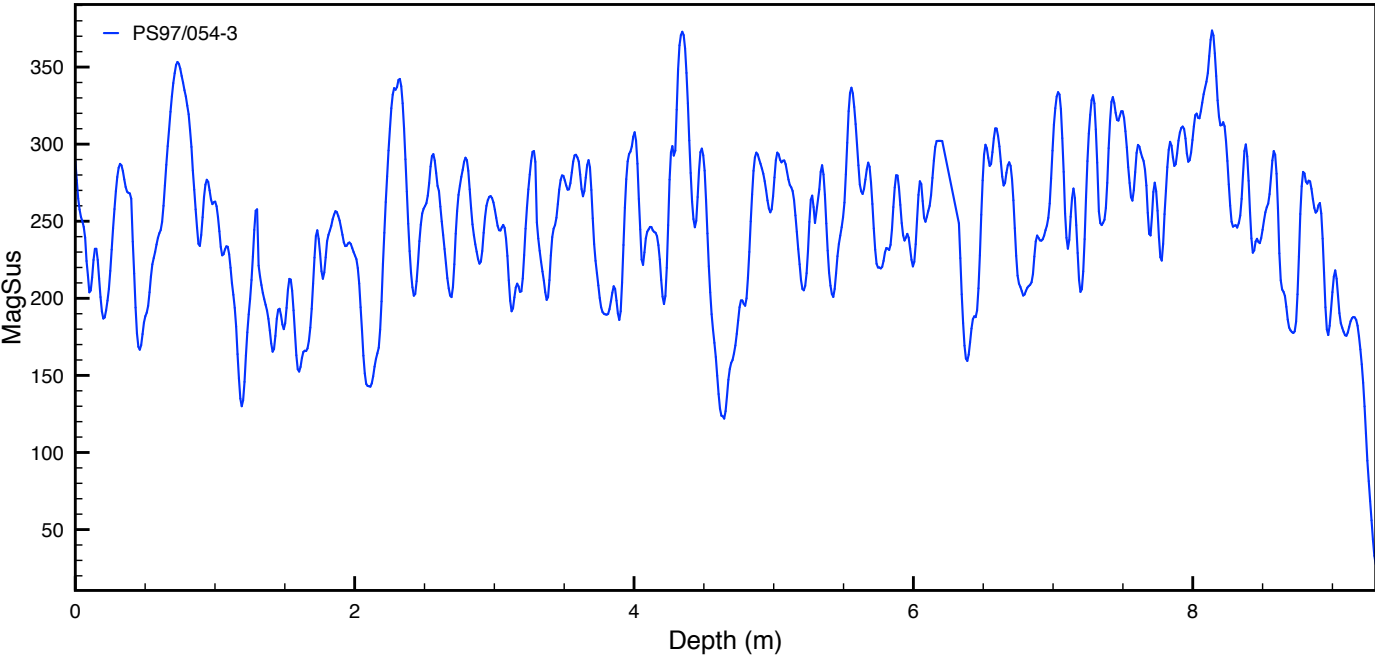
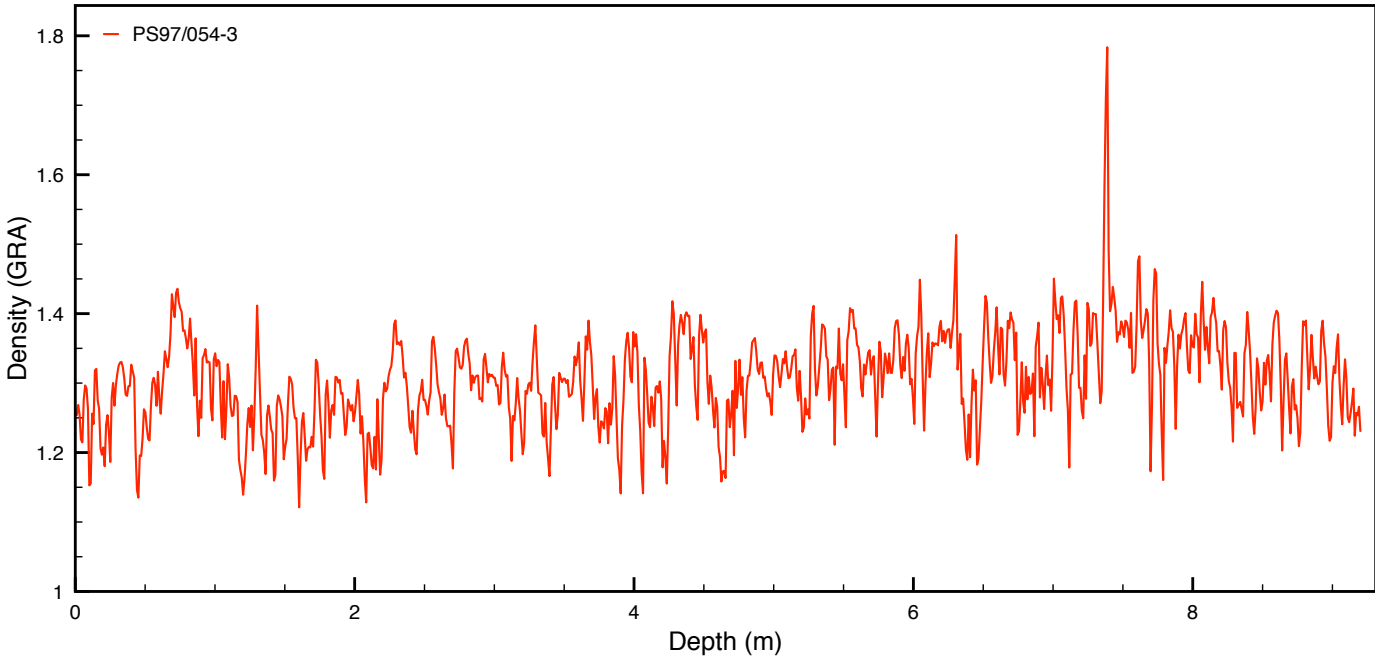
Appendix A.9 Physical Properties



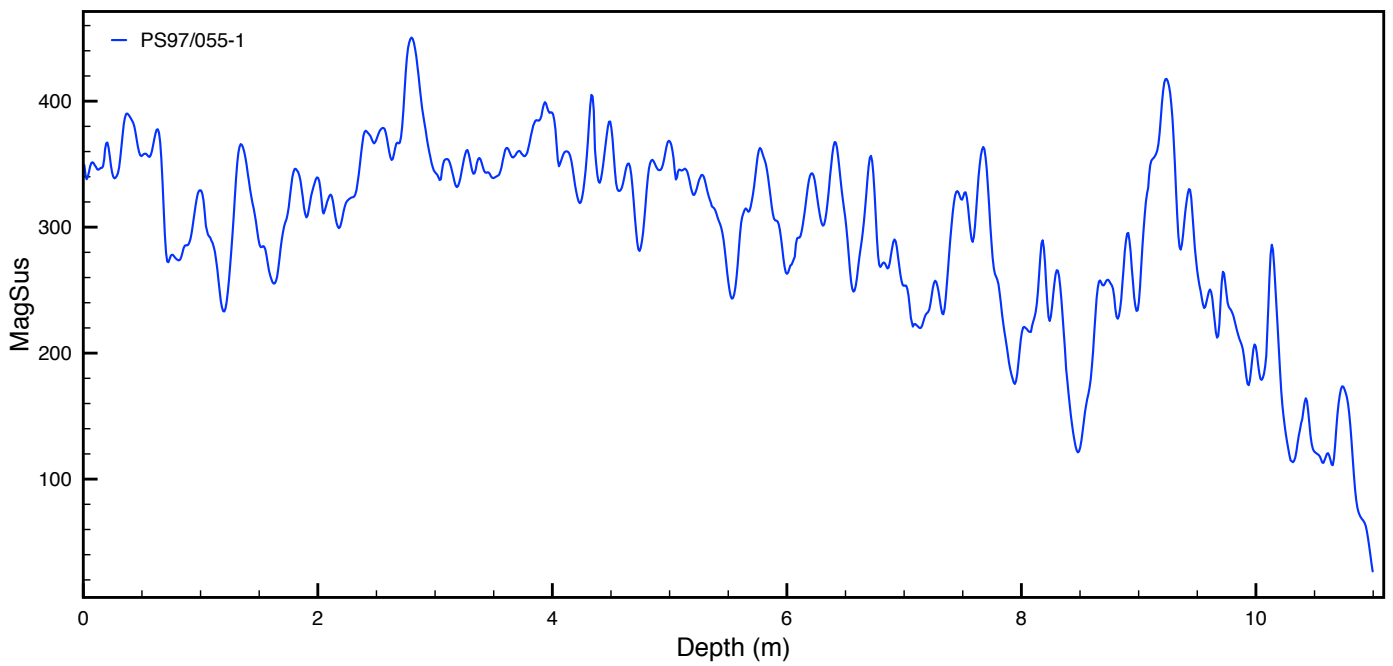
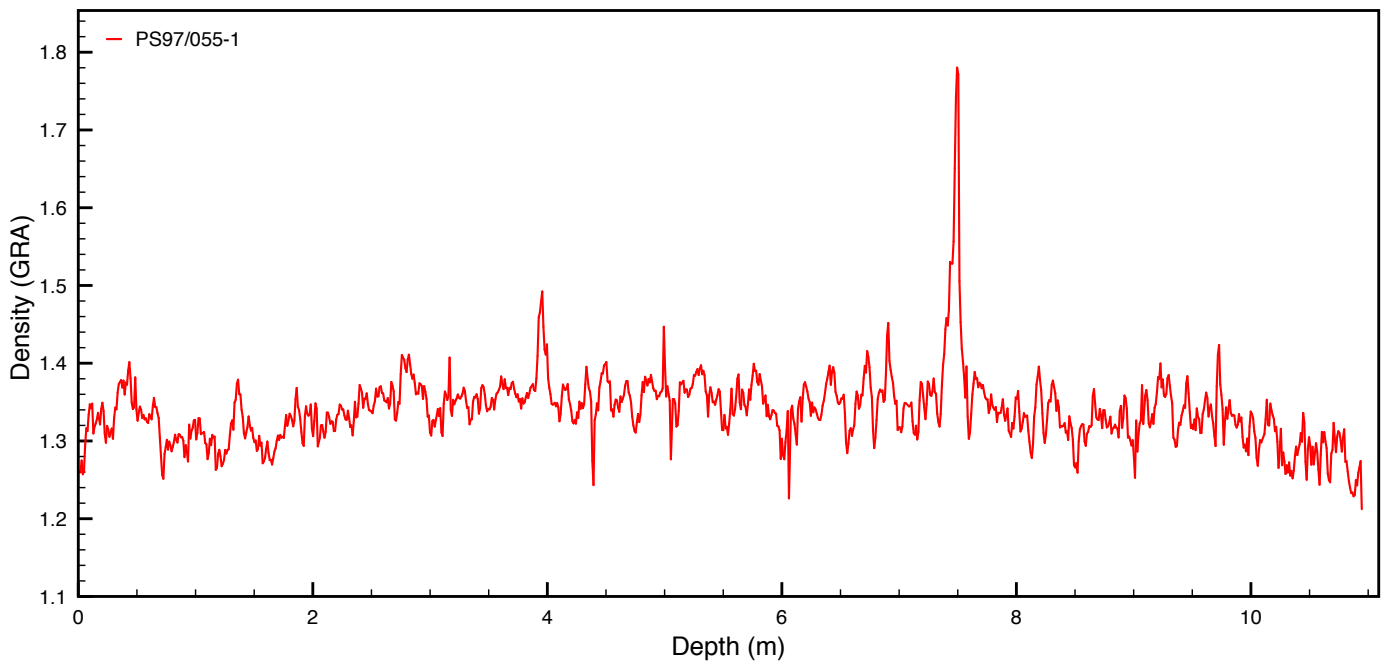
Appendix A.9 Physical Properties



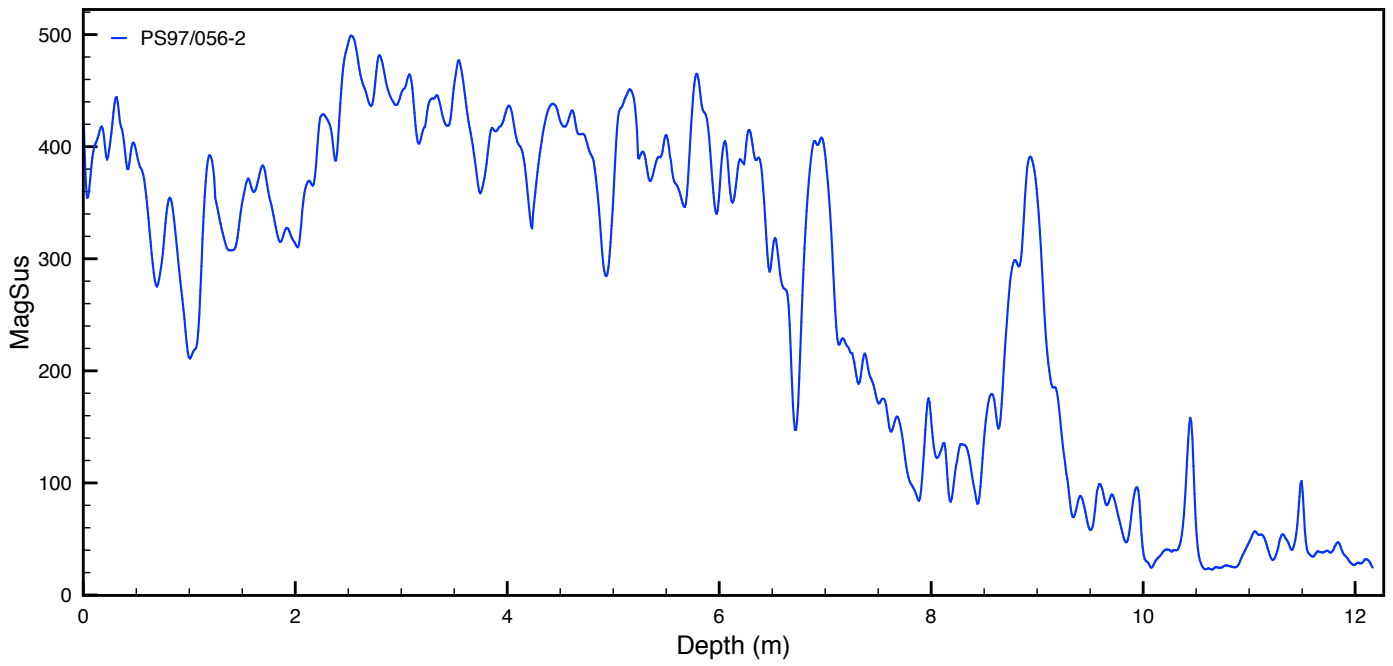
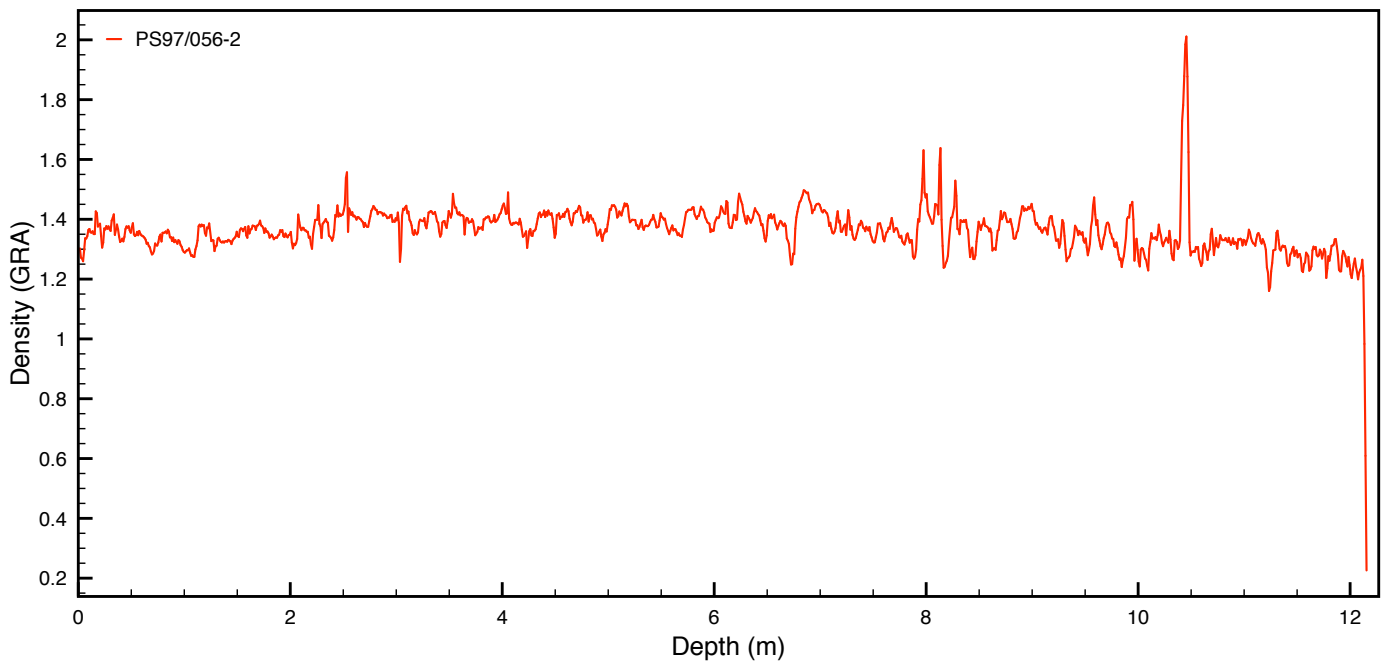
Appendix A.9 Physical Properties



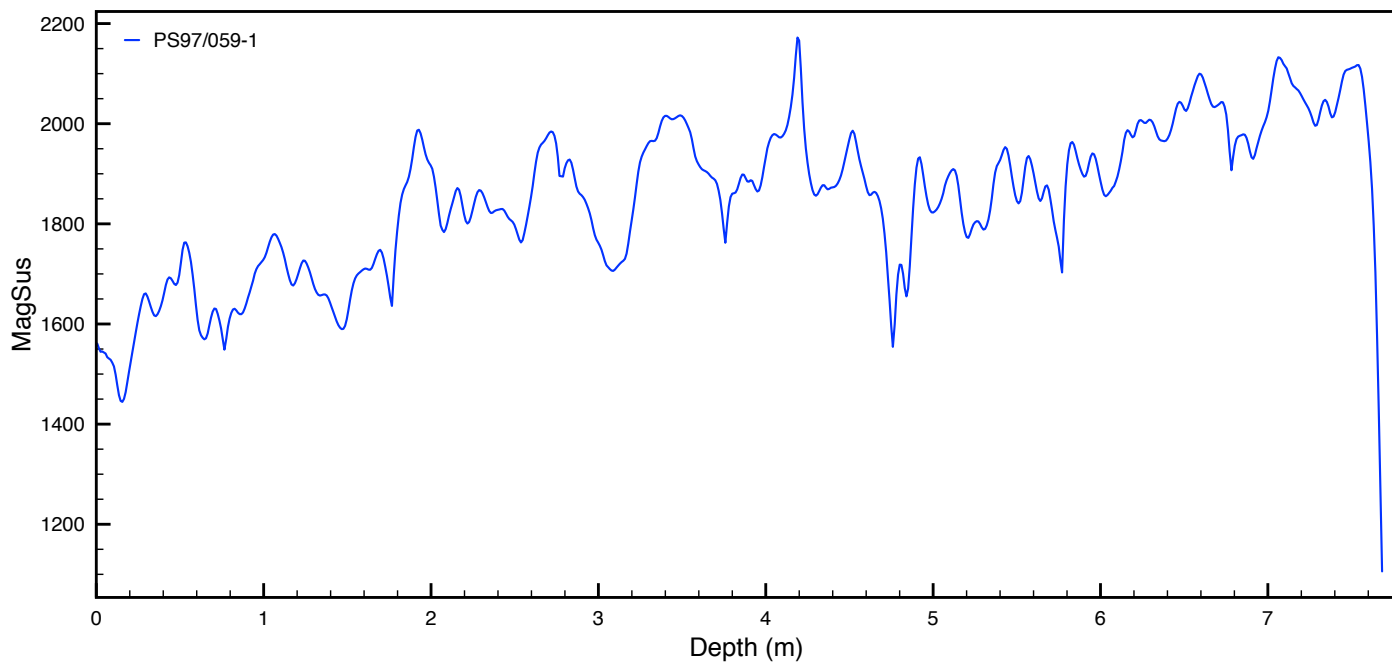
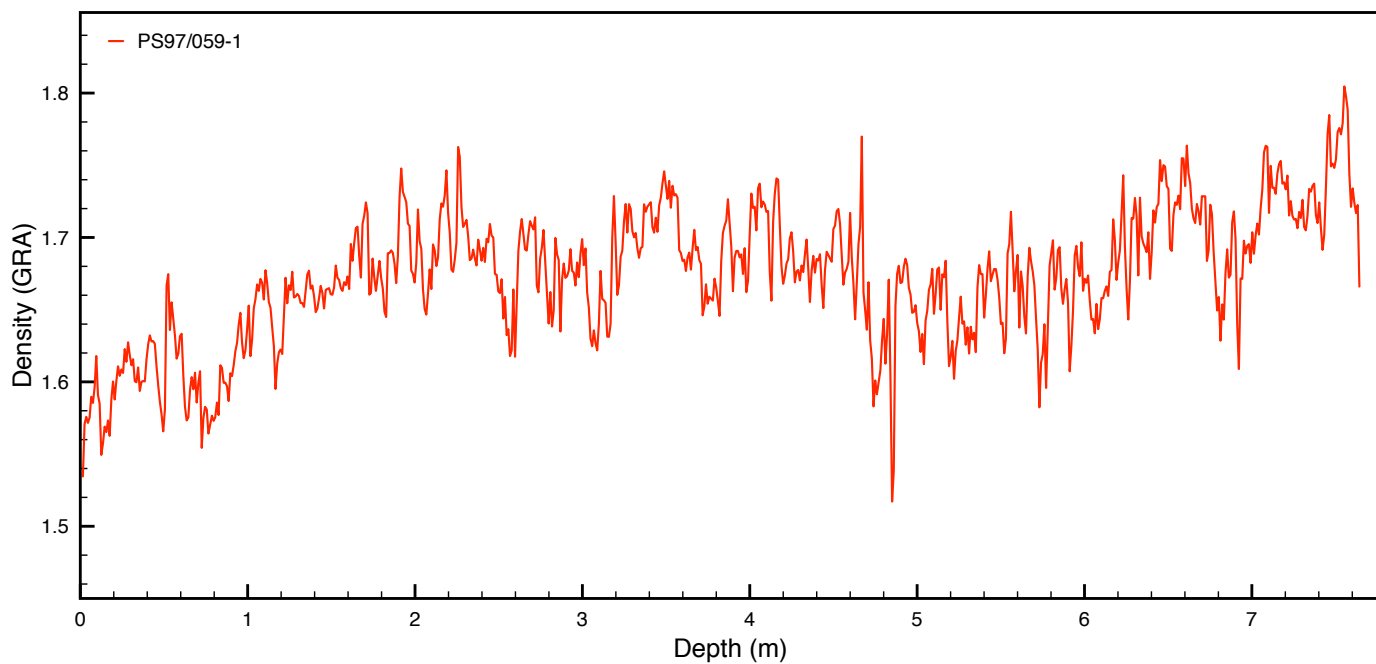
Appendix A.9 Physical Properties



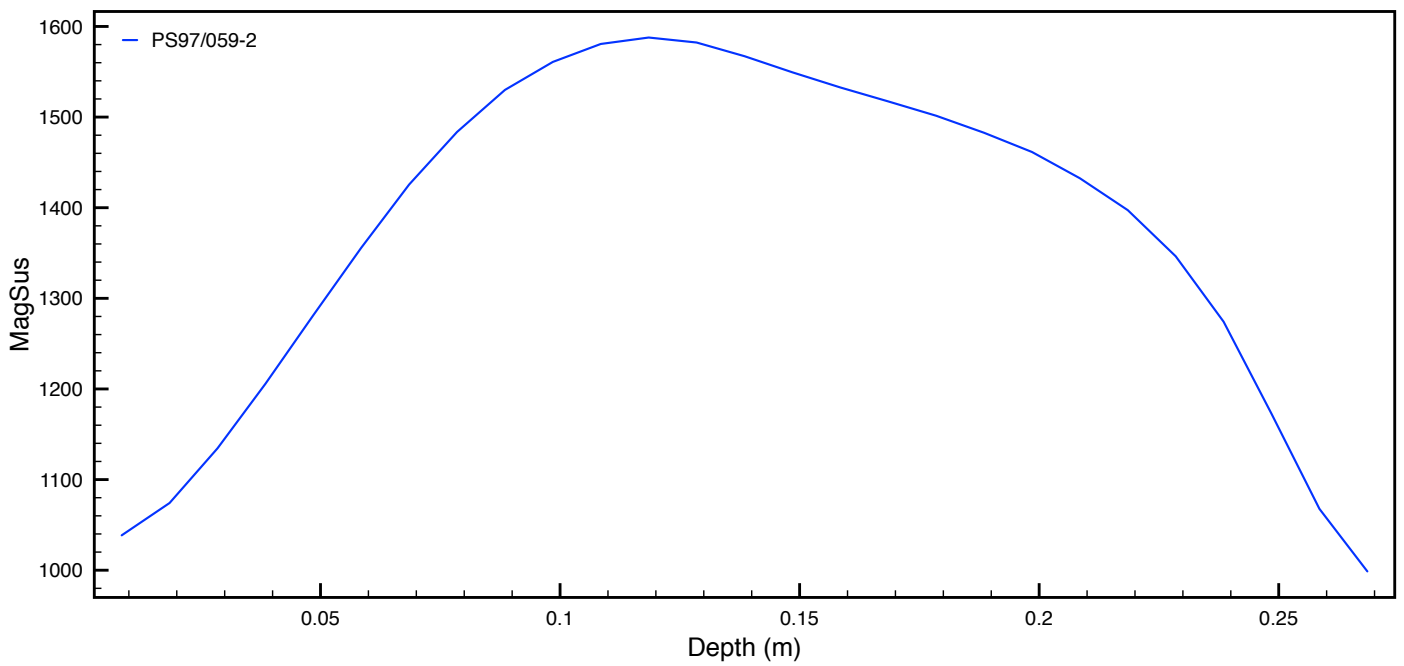
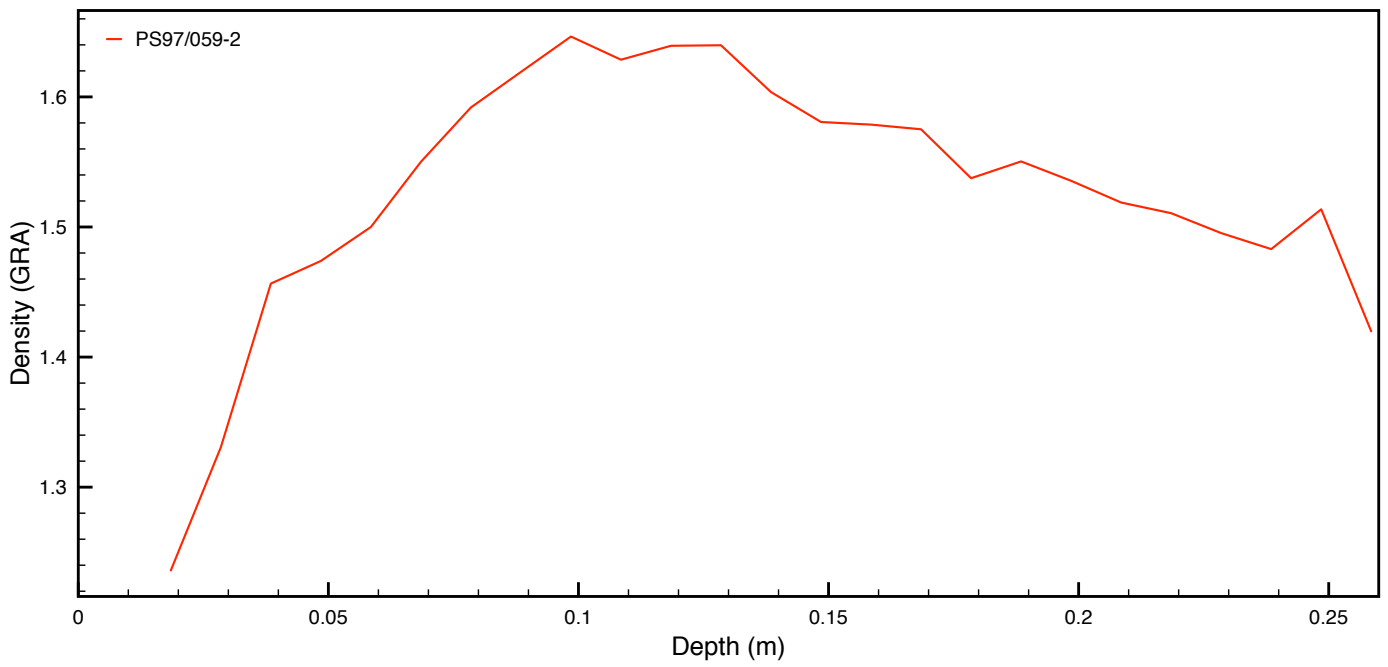
Appendix A.9 Physical Properties



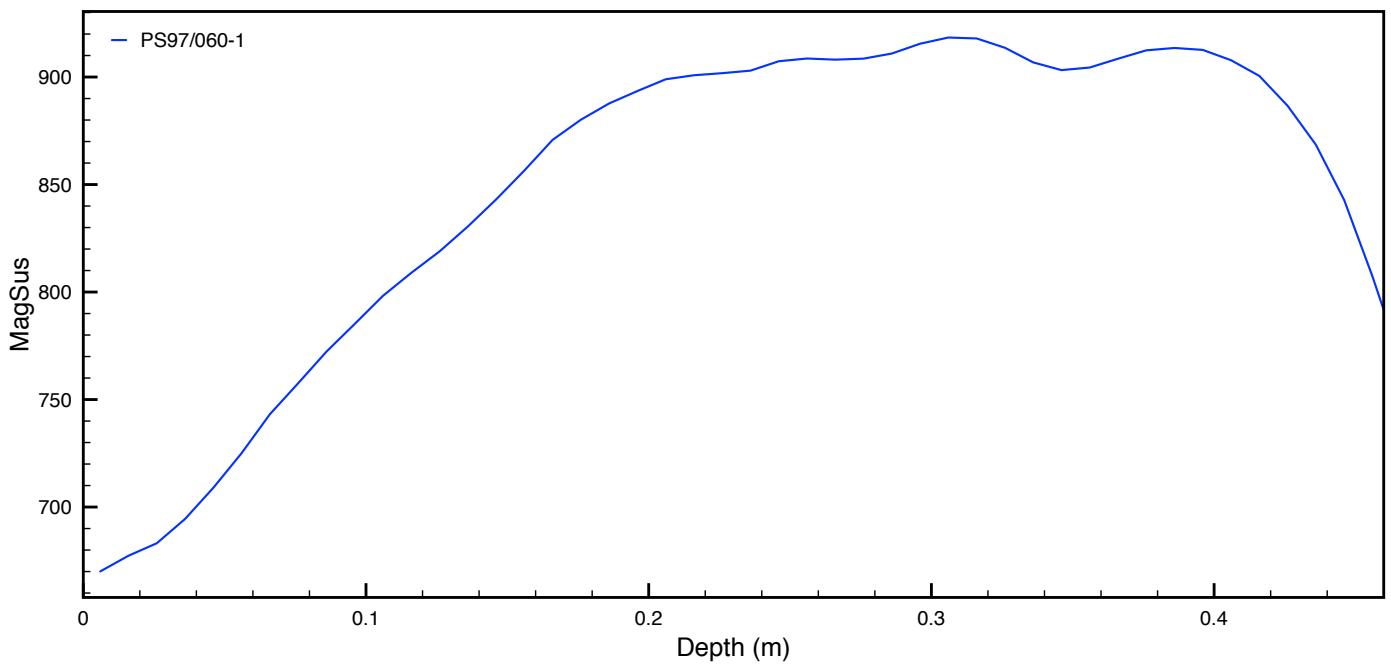
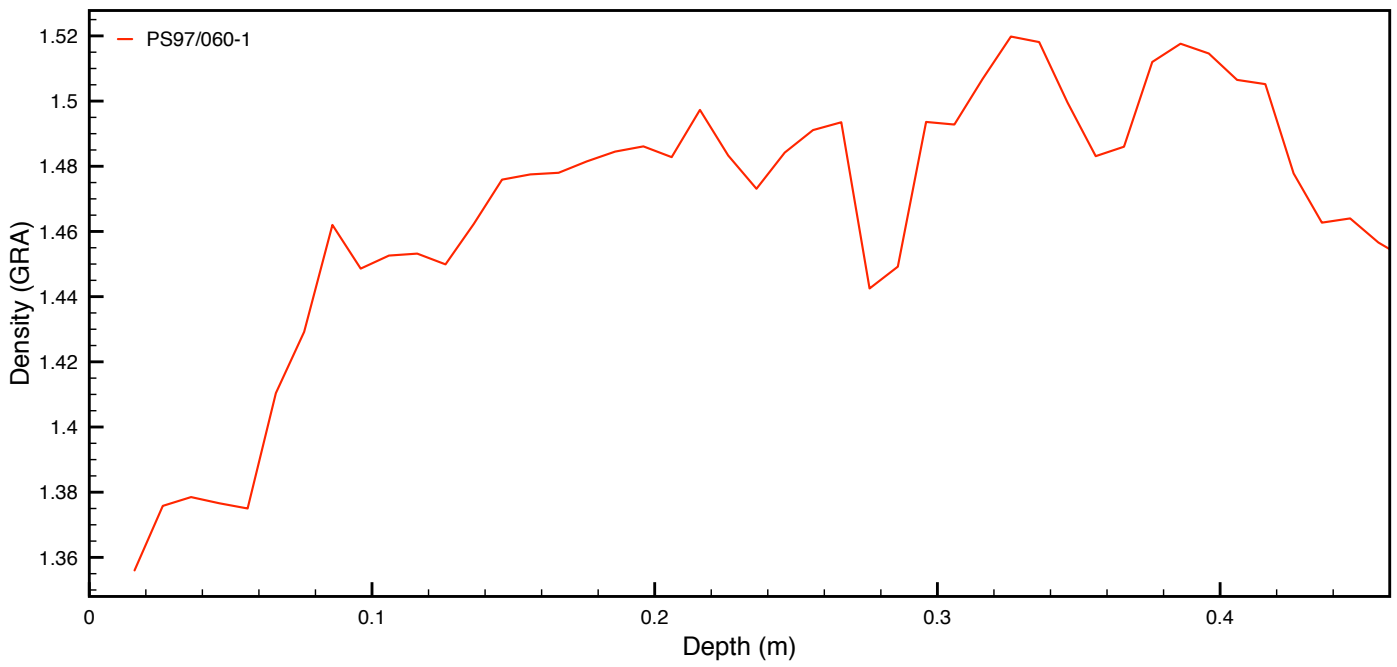
Appendix A.9 Physical Properties



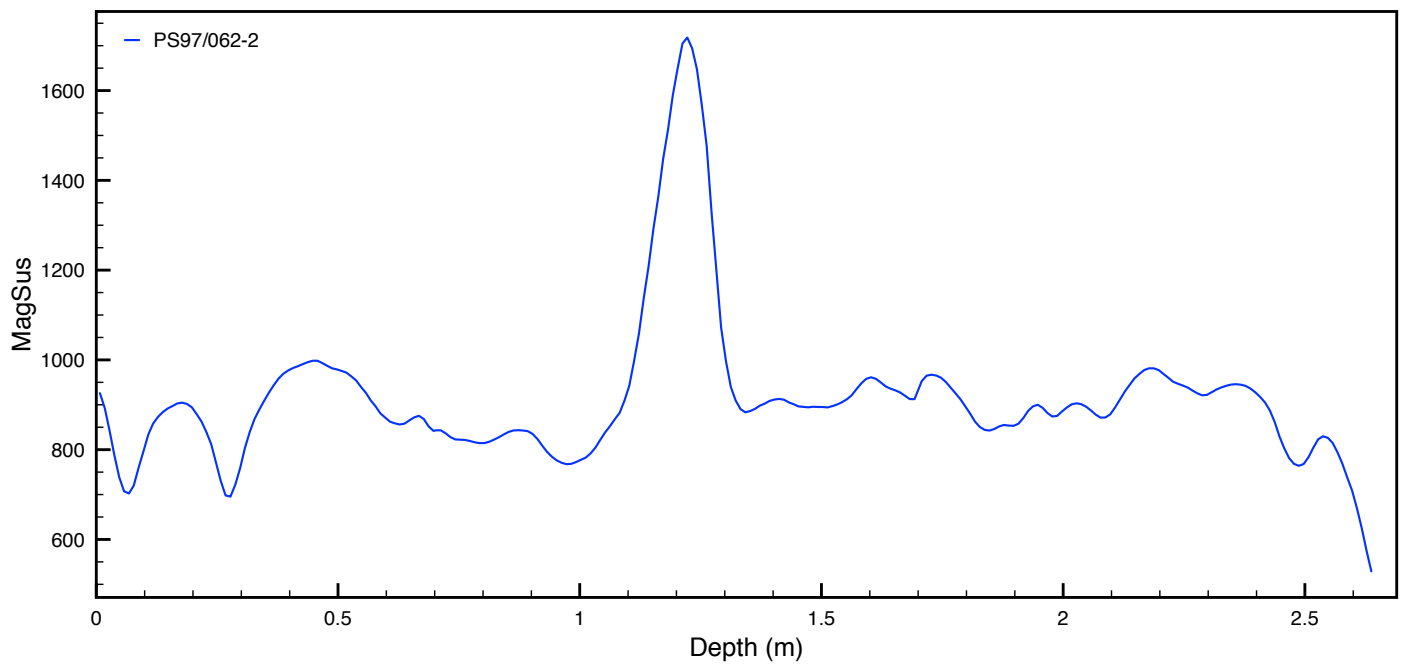
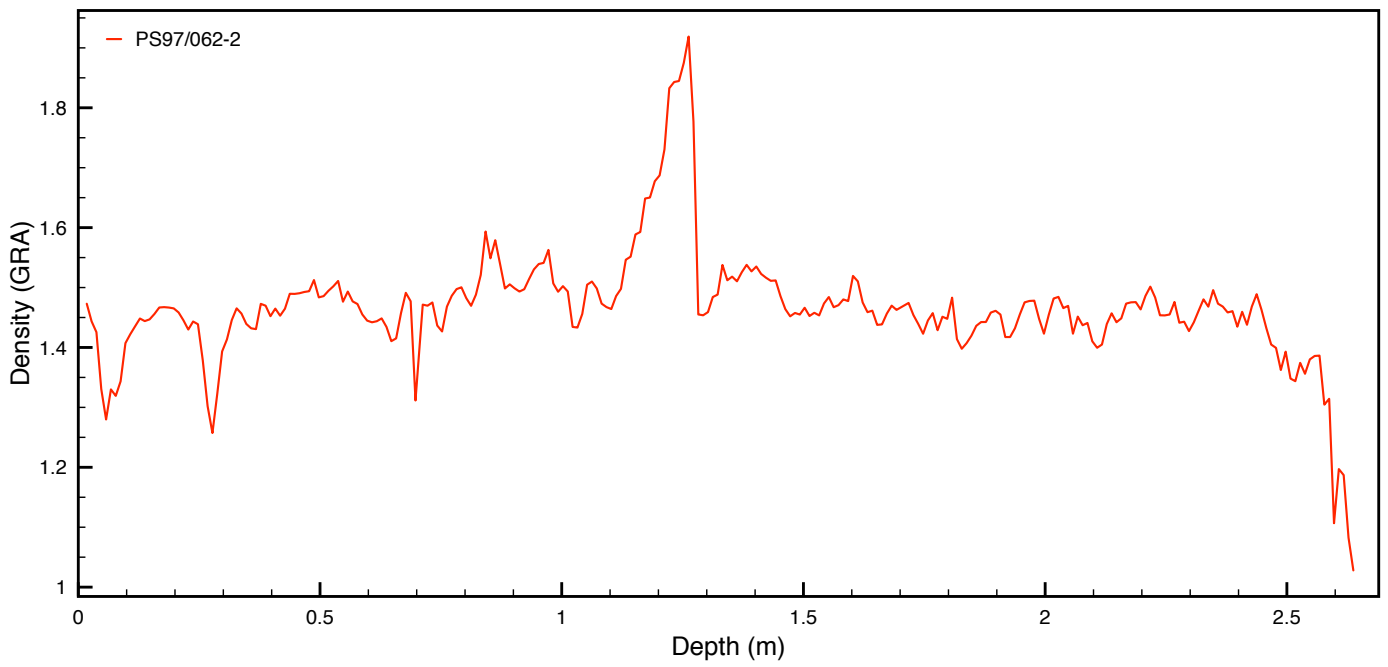
Appendix A.9 Physical Properties



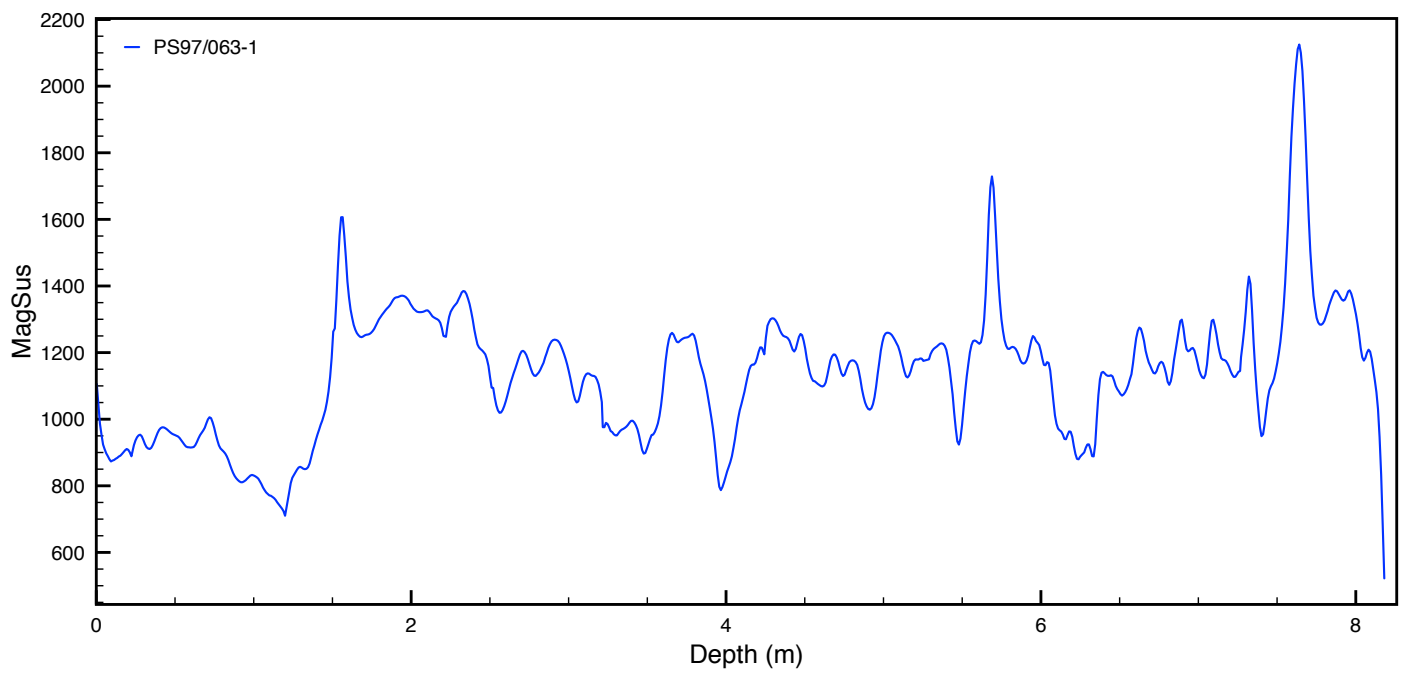
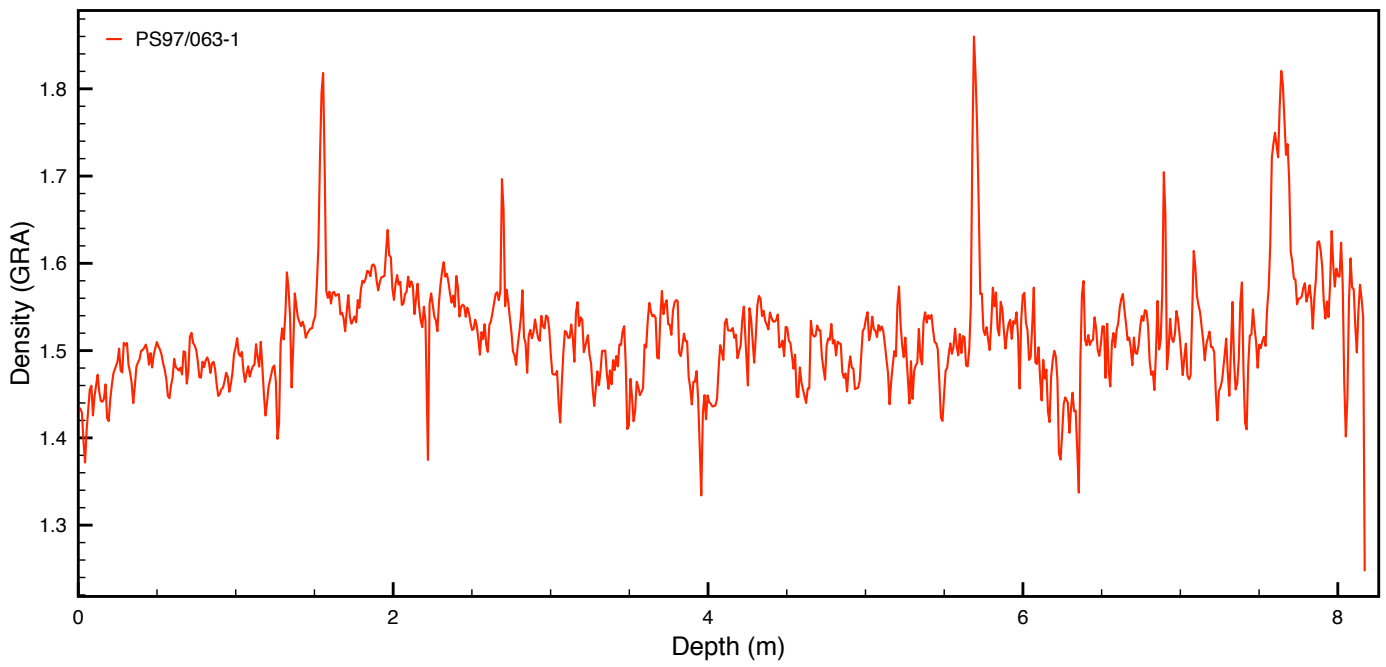
Appendix A.9 Physical Properties



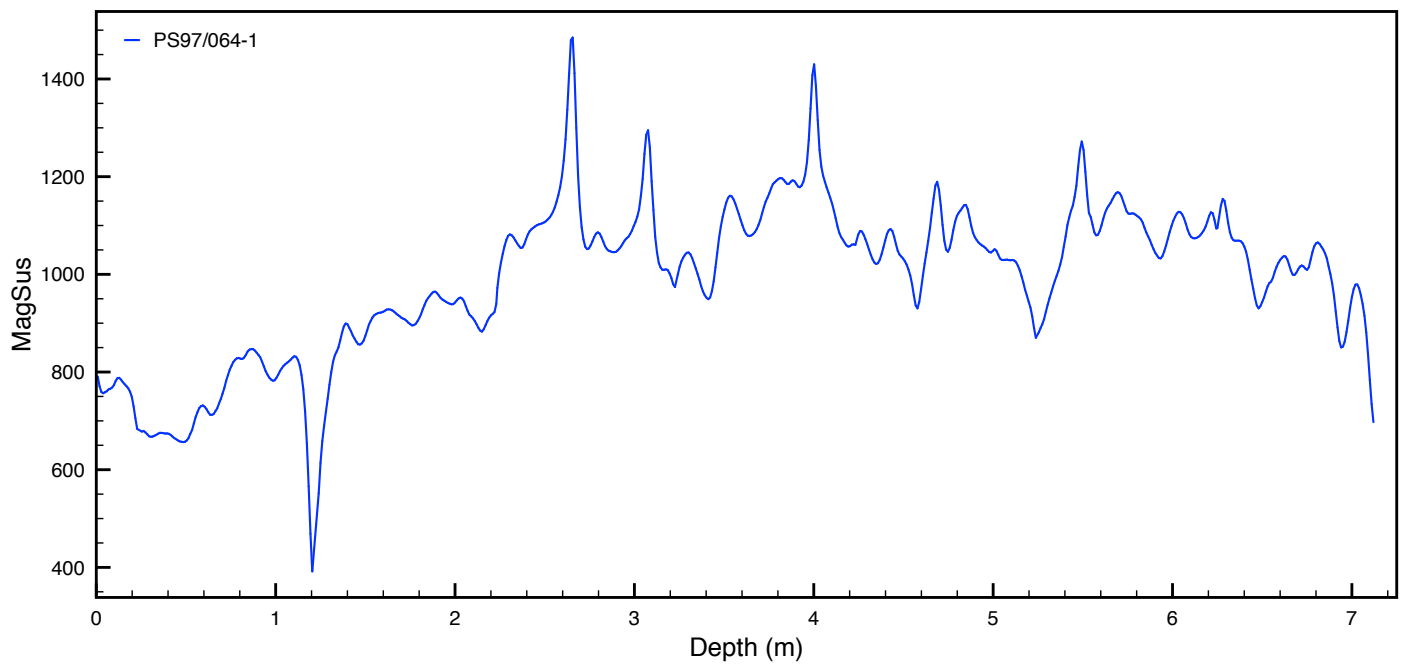
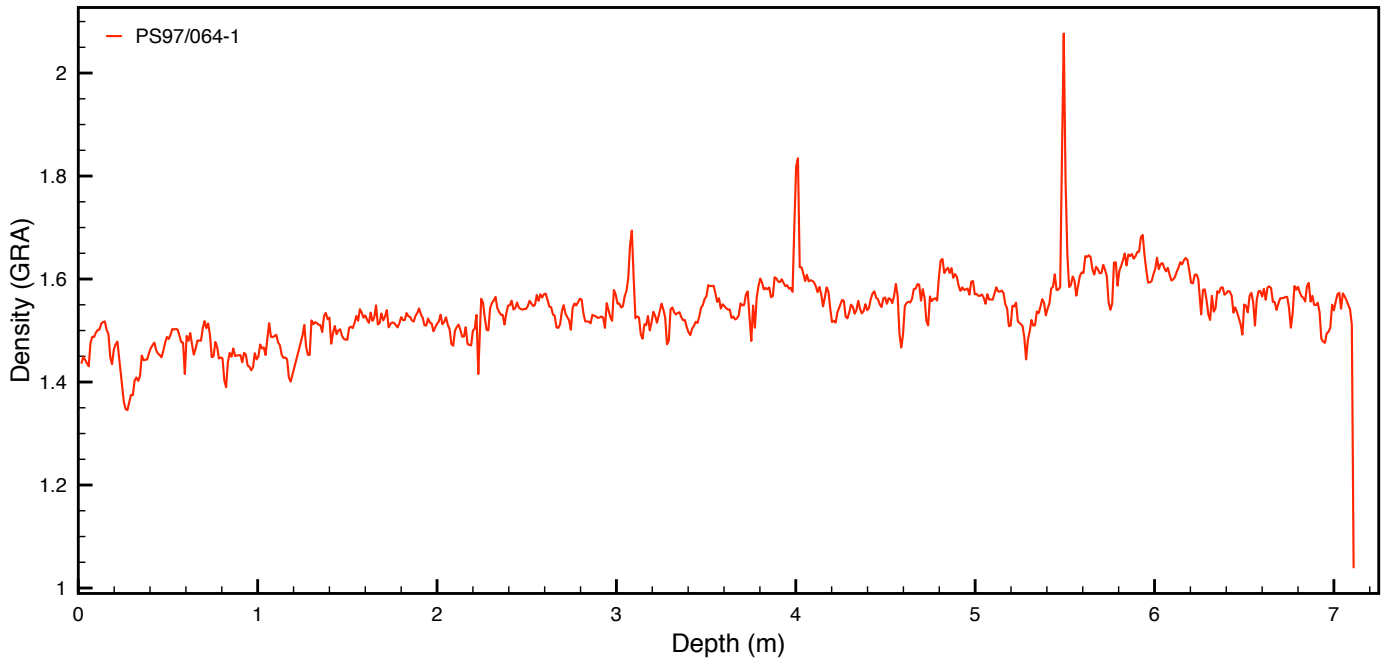
Appendix A.9 Physical Properties



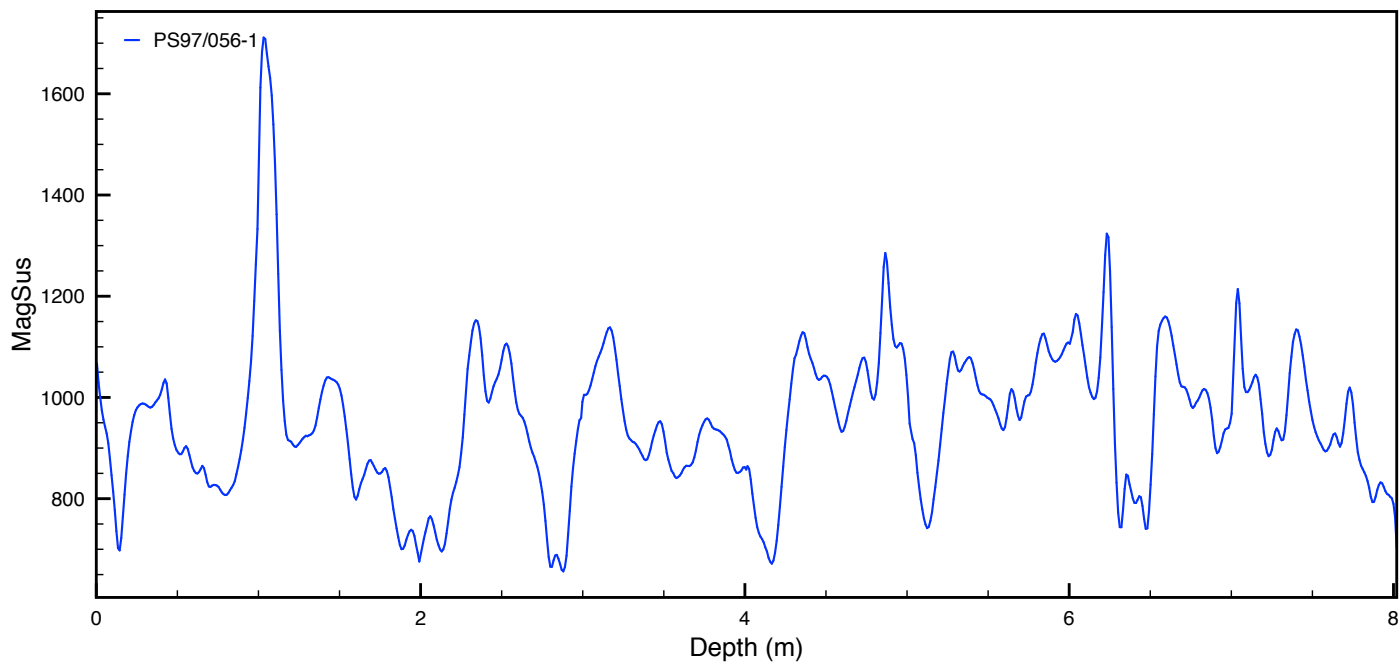
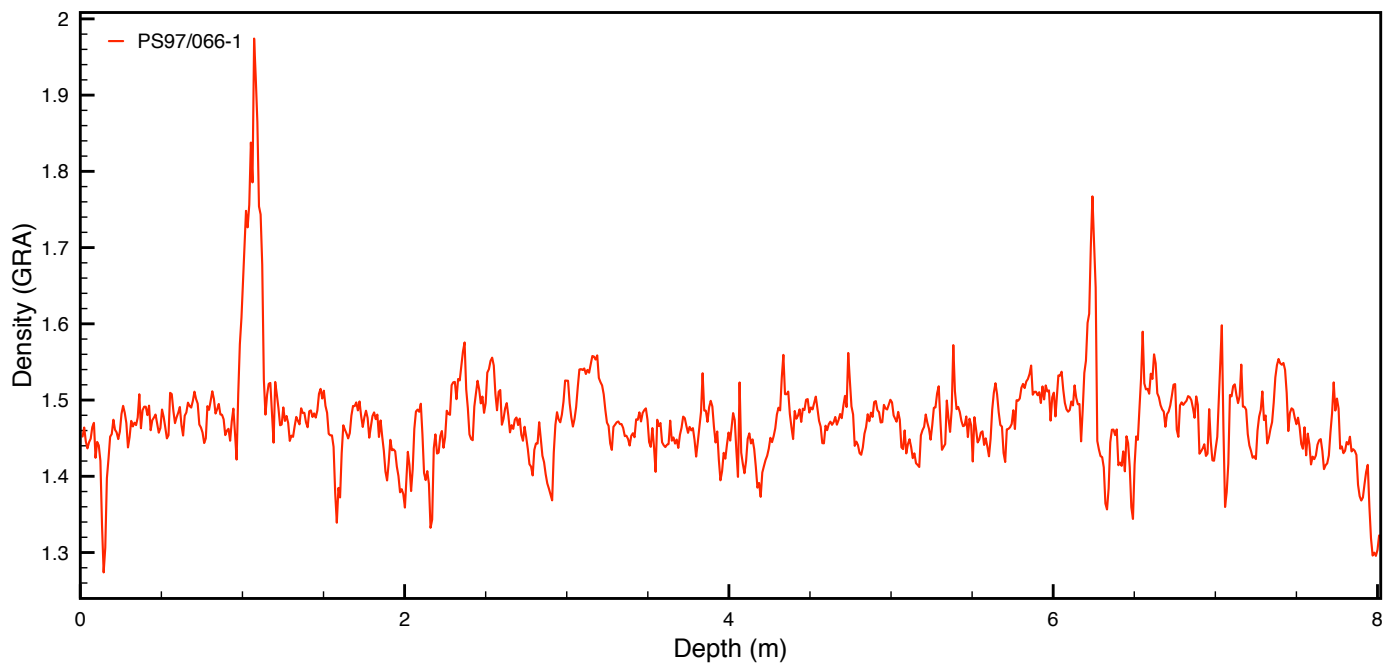
Appendix A.9 Physical Properties



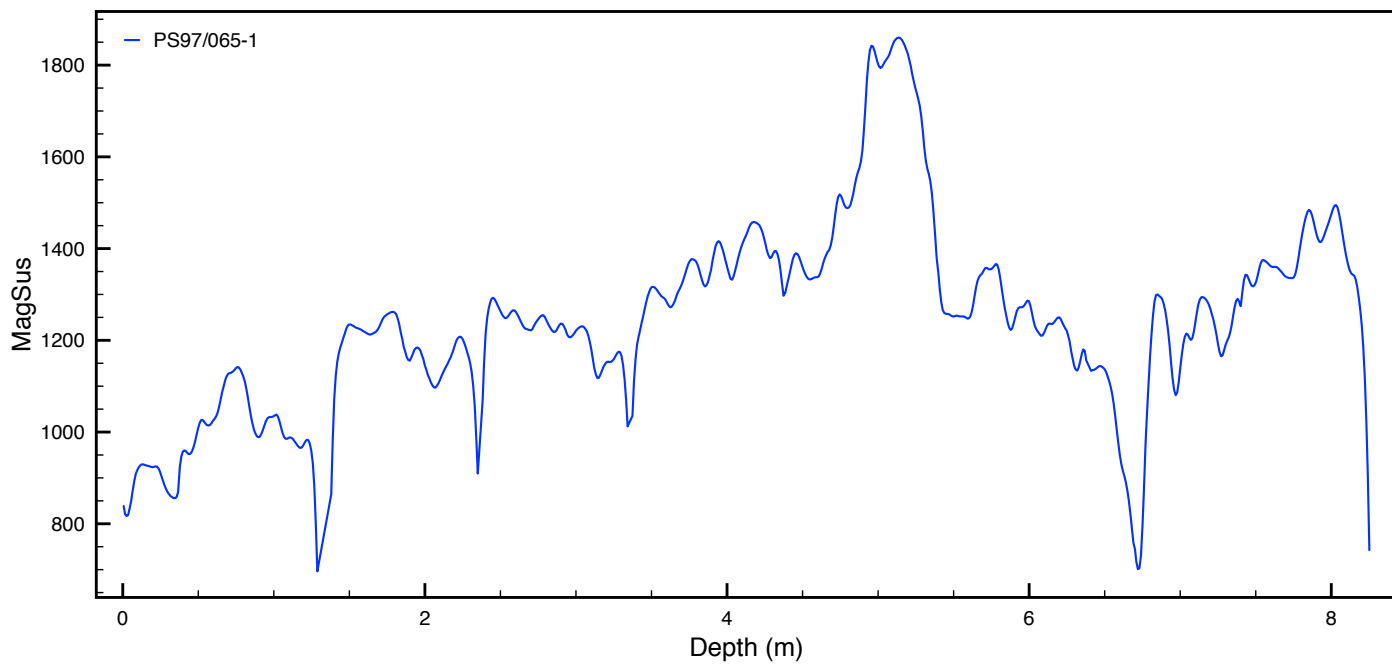
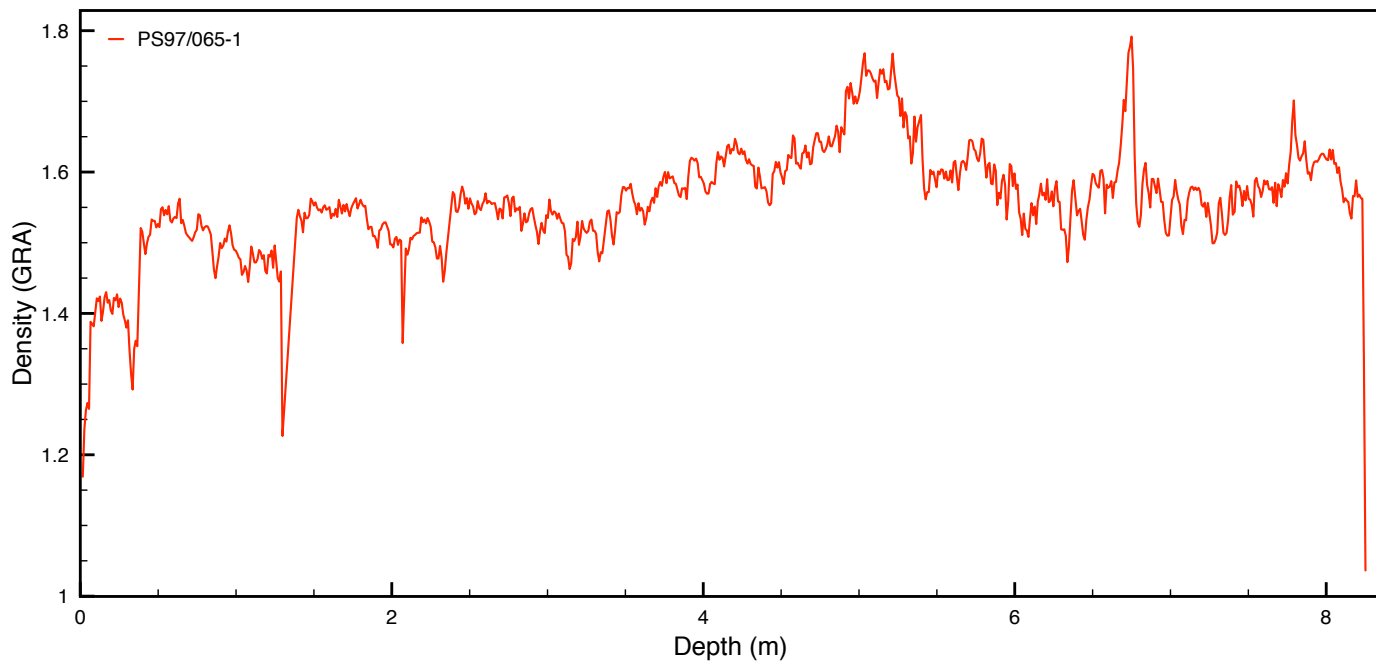
Appendix A.9 Physical Properties



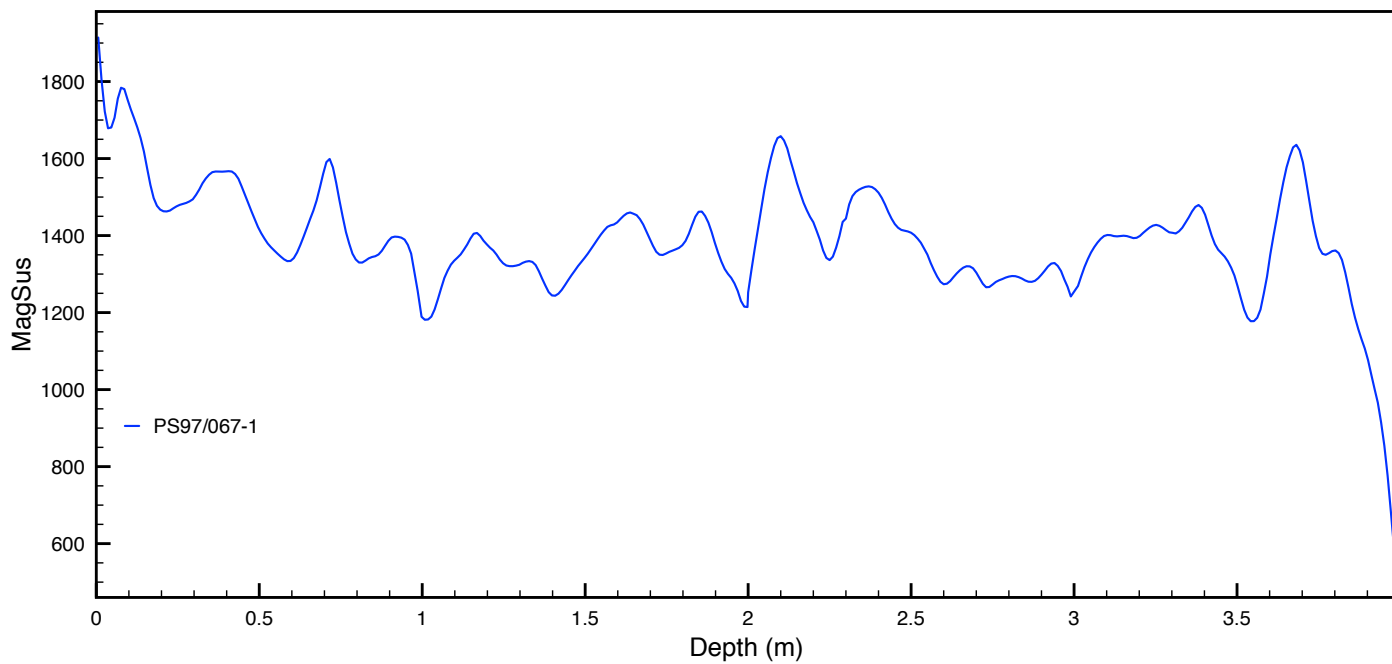
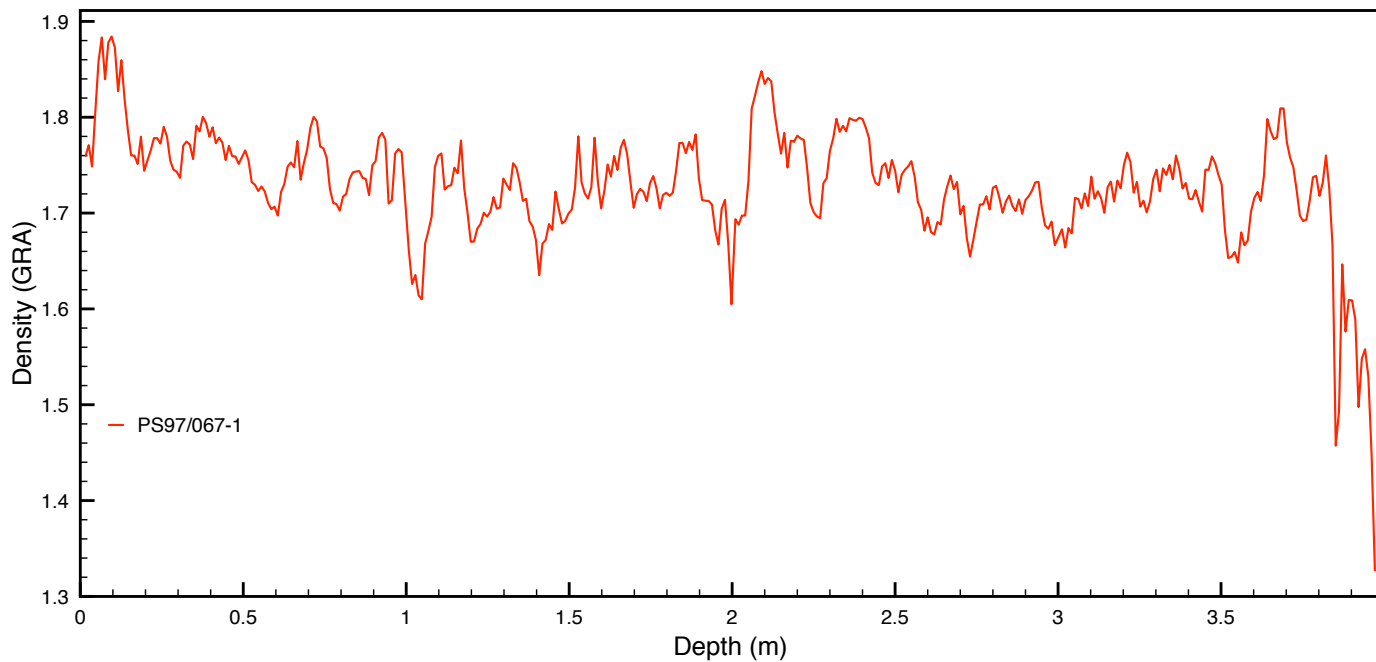
Appendix A.9 Physical Properties



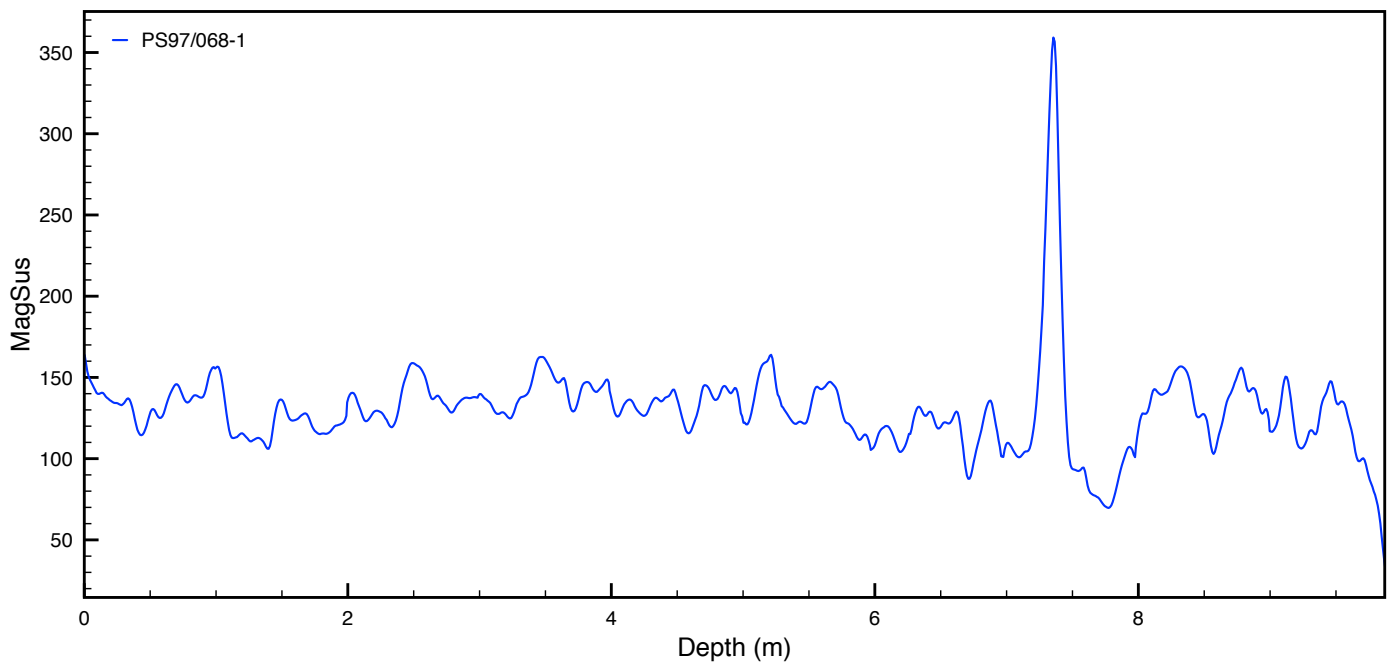
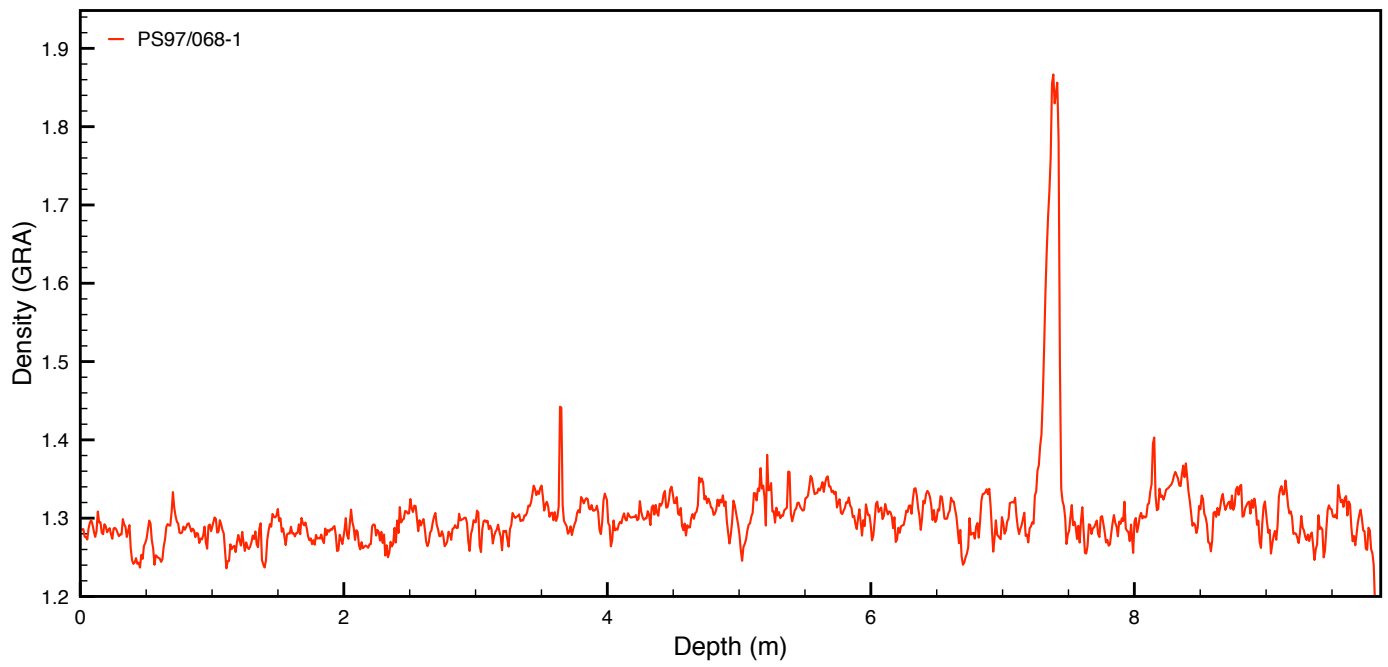
Appendix A.9 Physical Properties



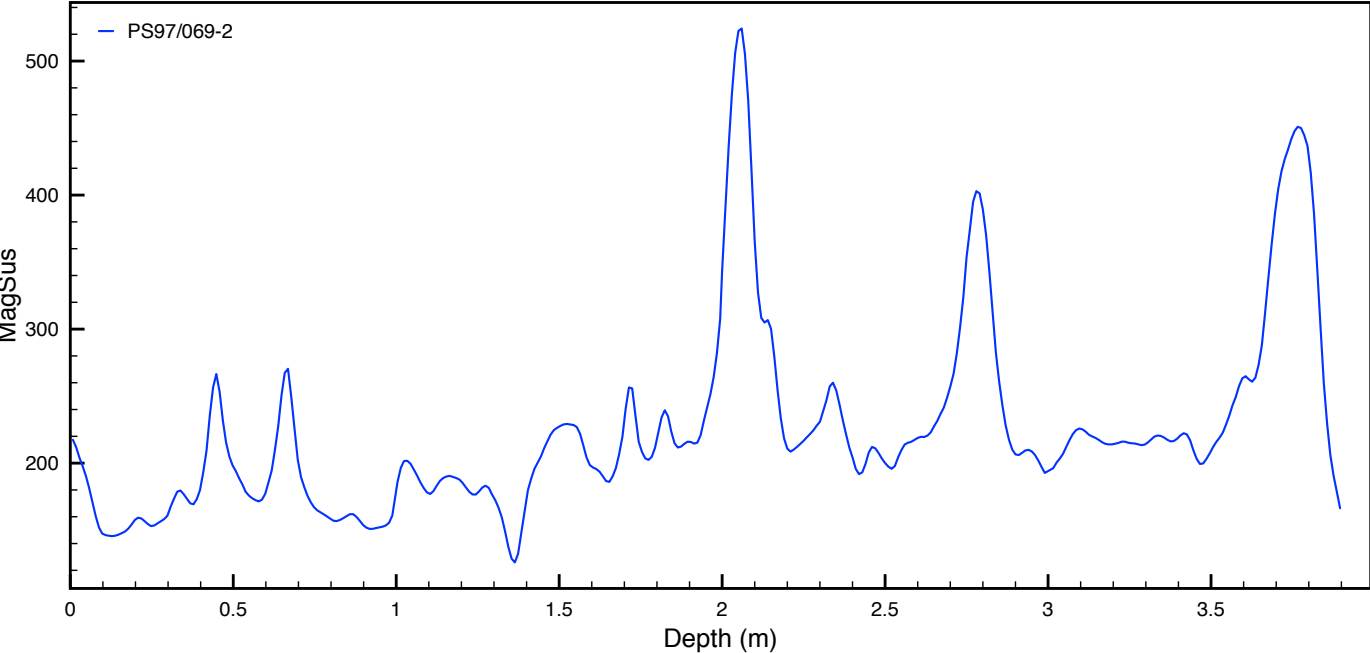
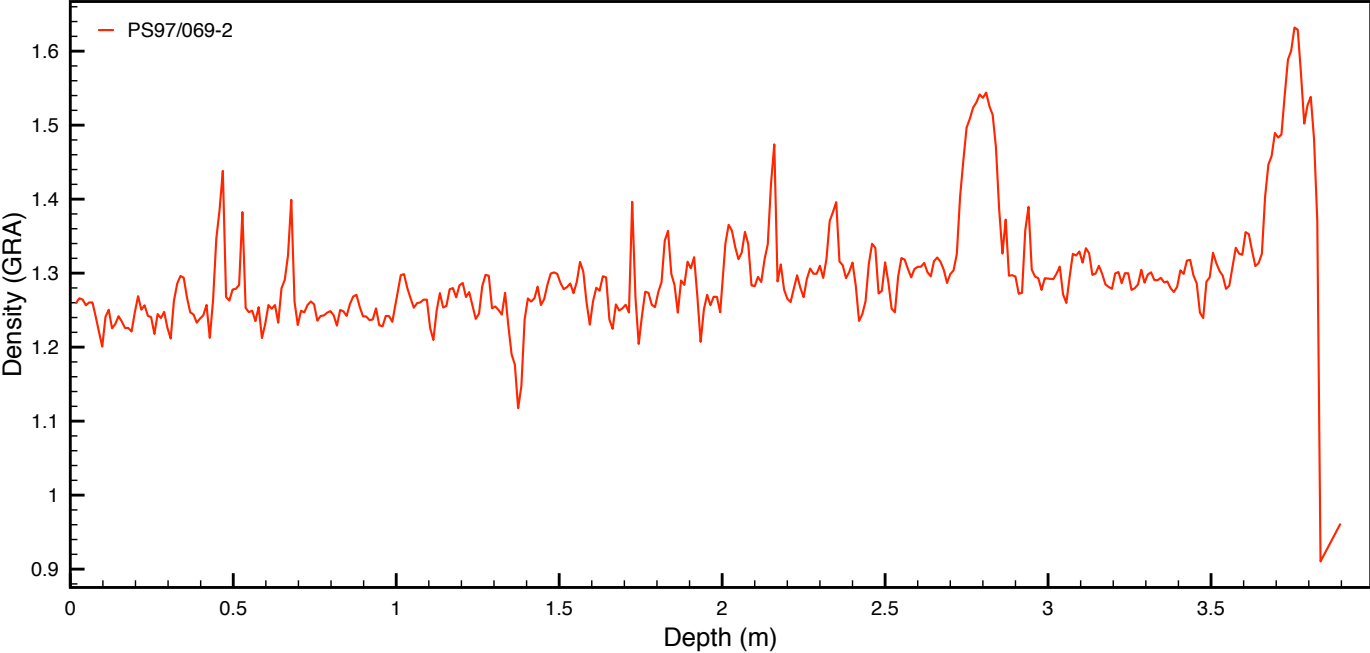
Appendix A.9 Physical Properties



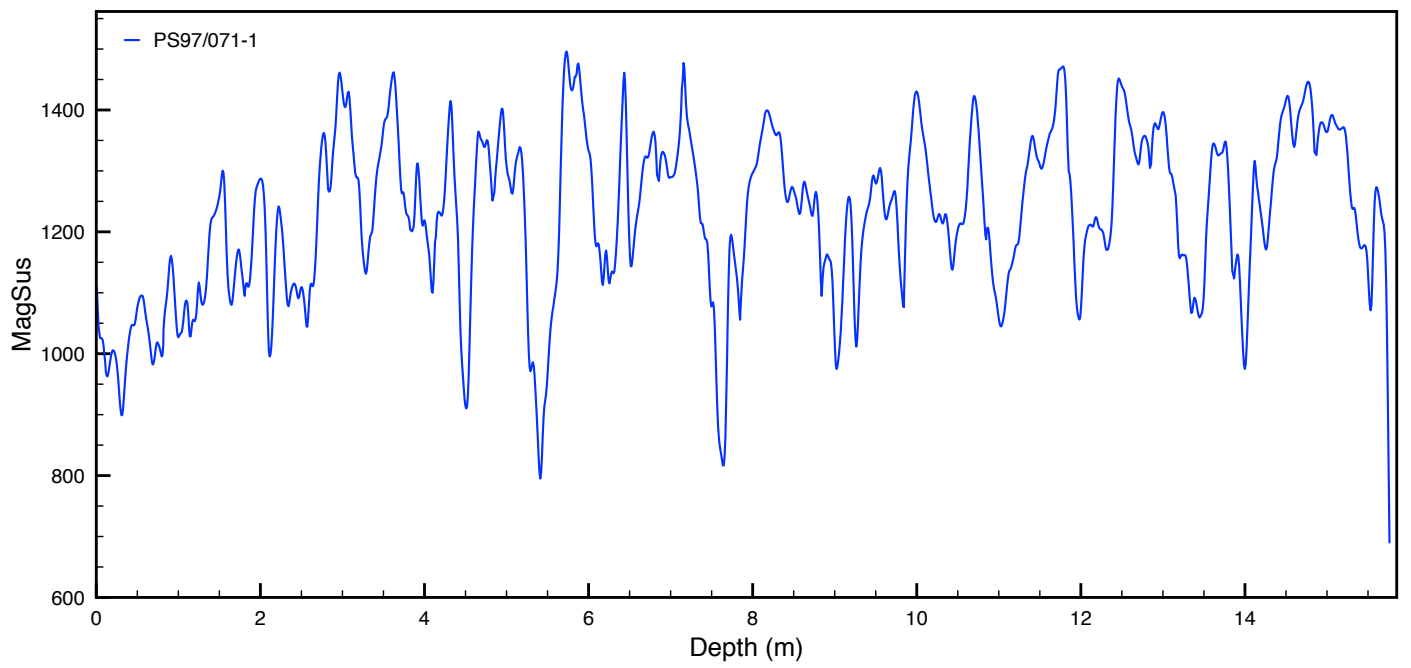
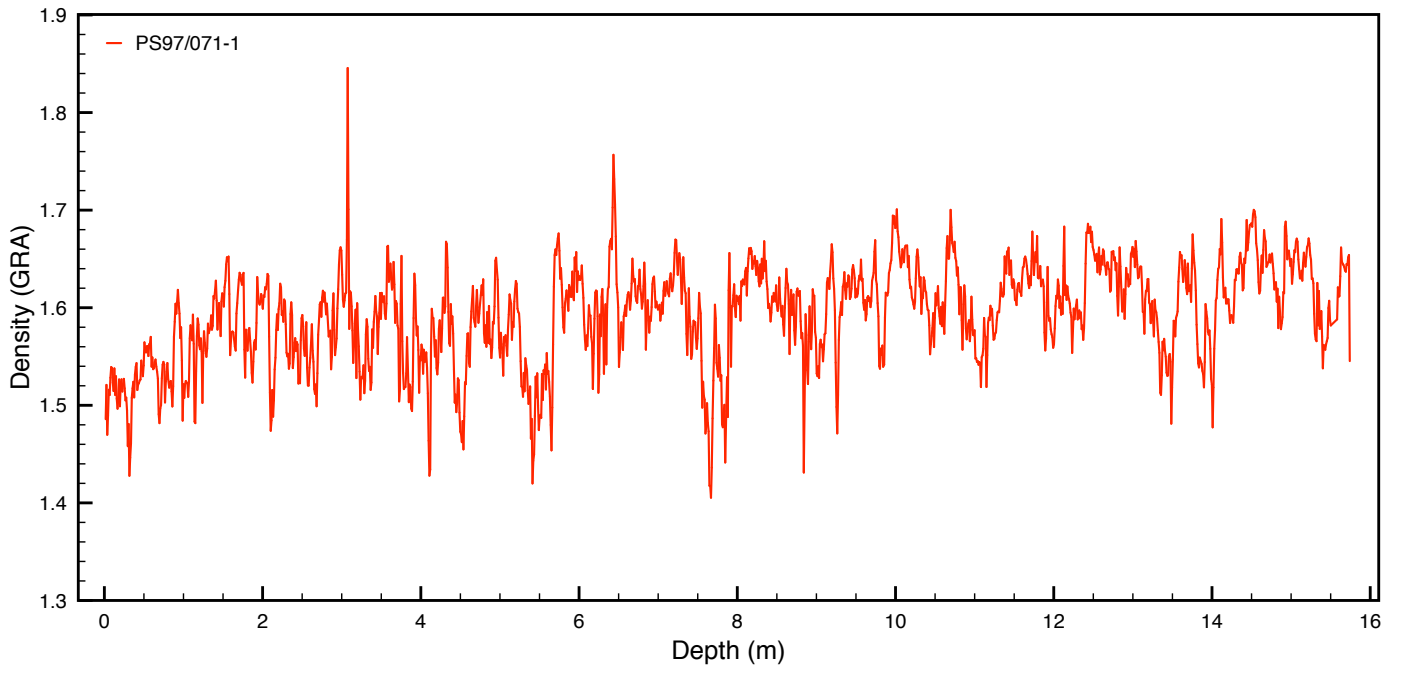
Appendix A.9 Physical Properties

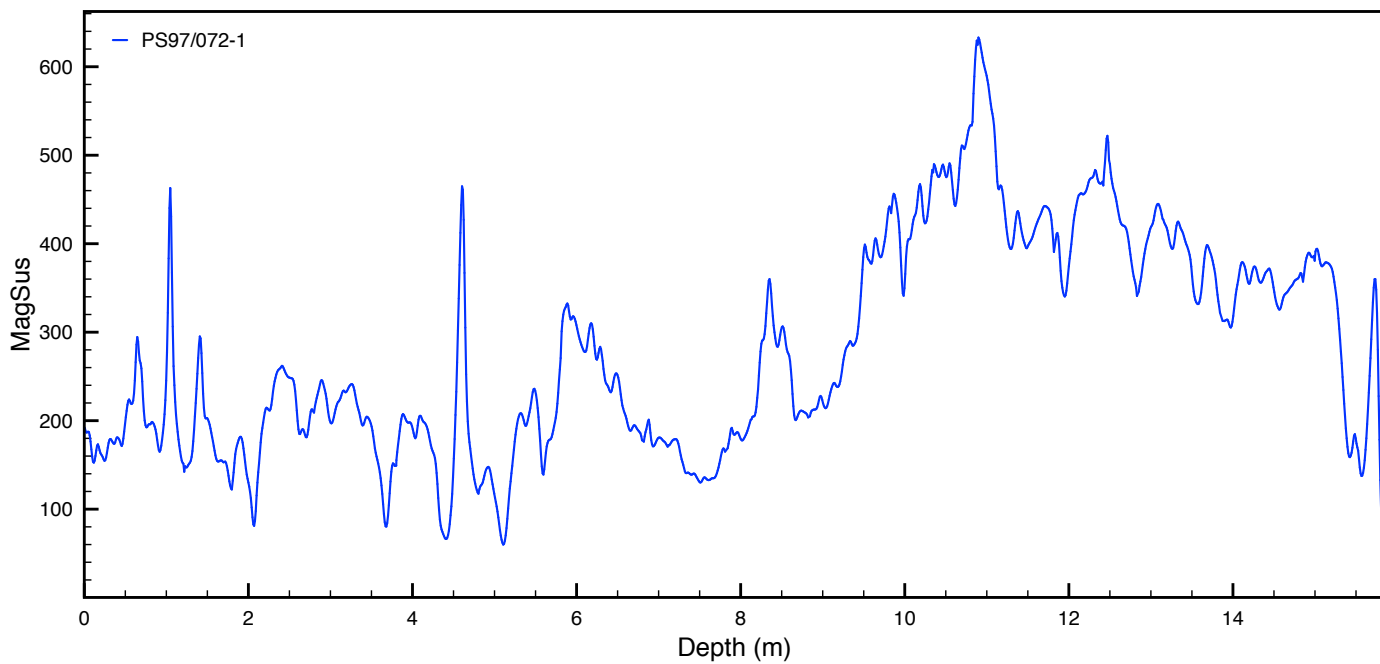
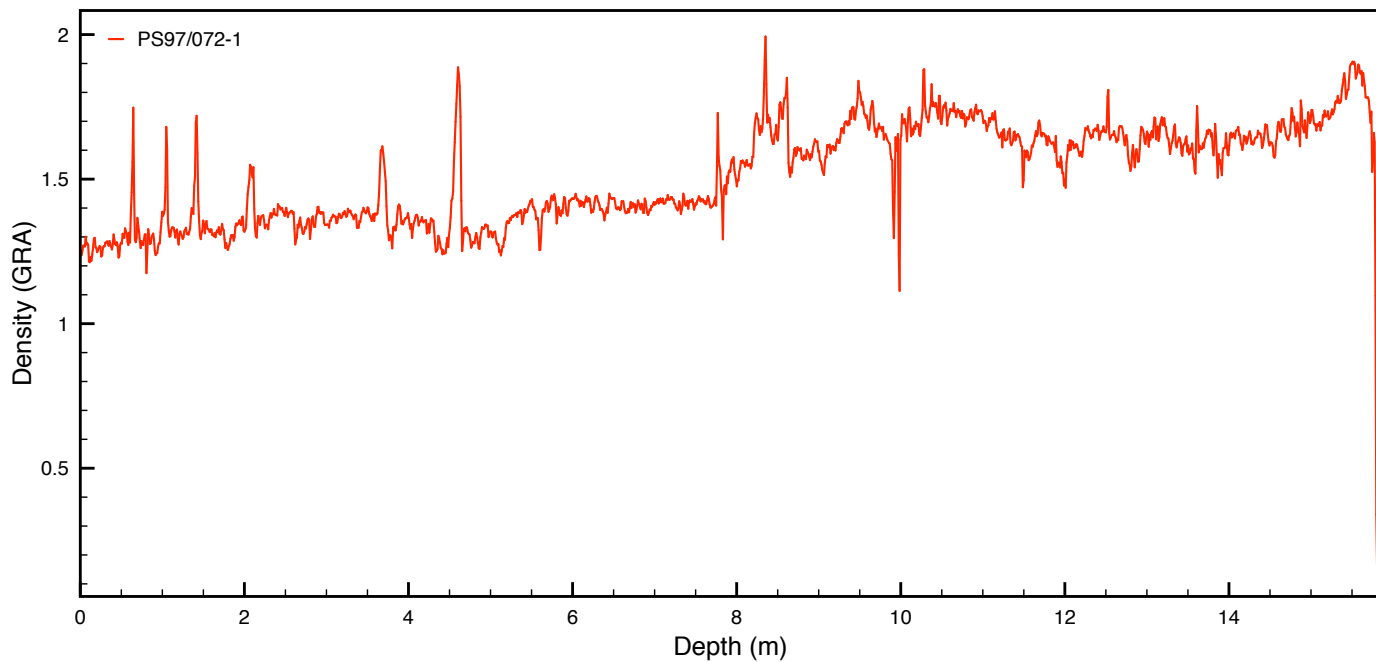


Appendix A.9 Physical Properties

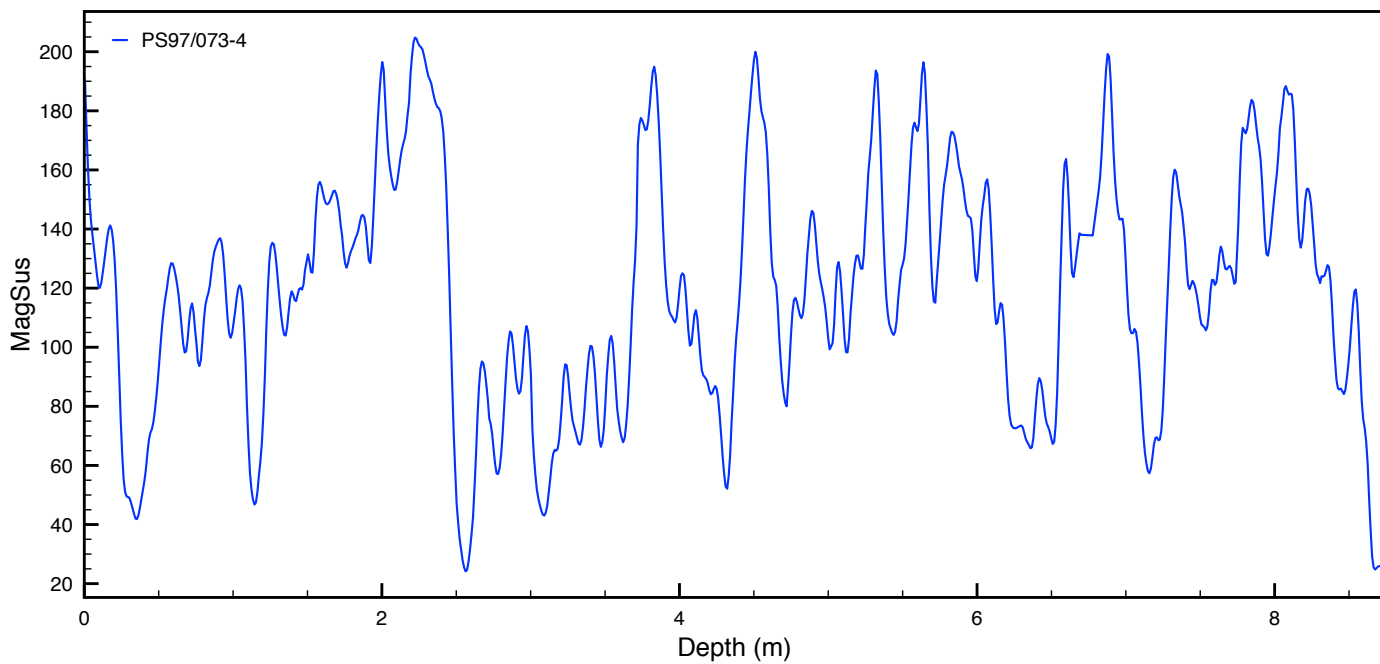
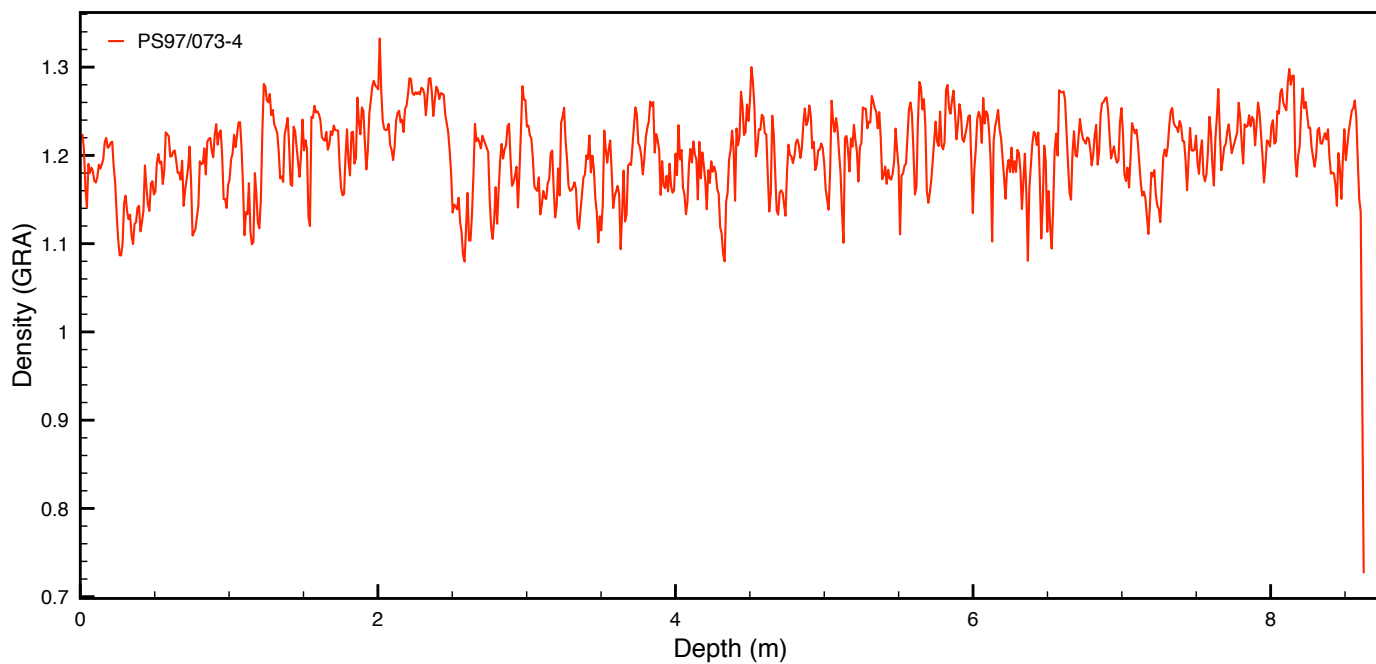


Appendix A.9 Physical Properties

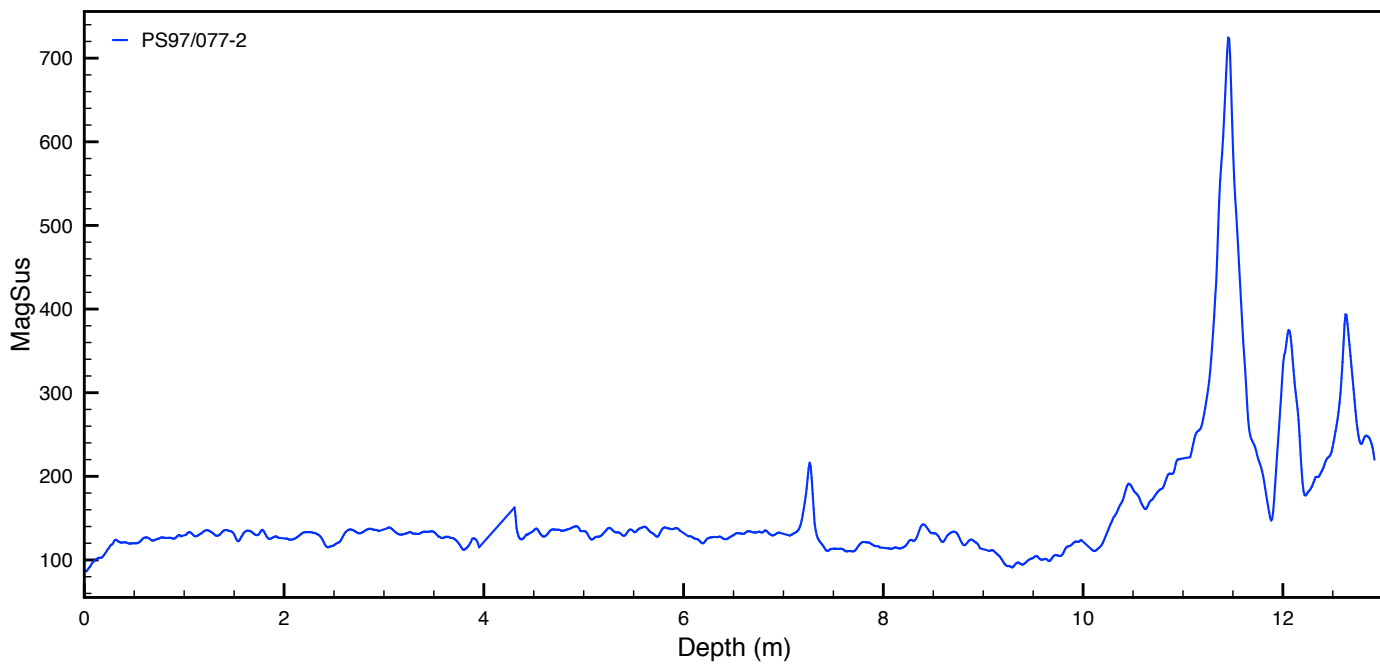
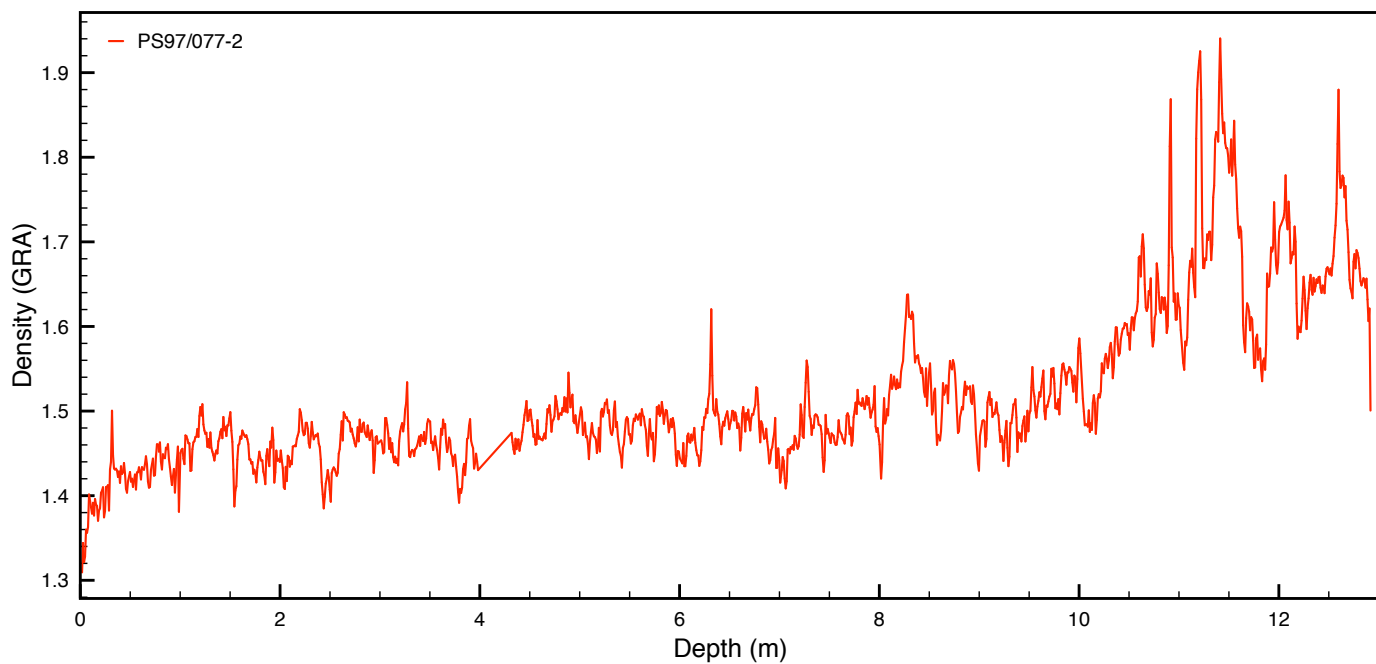




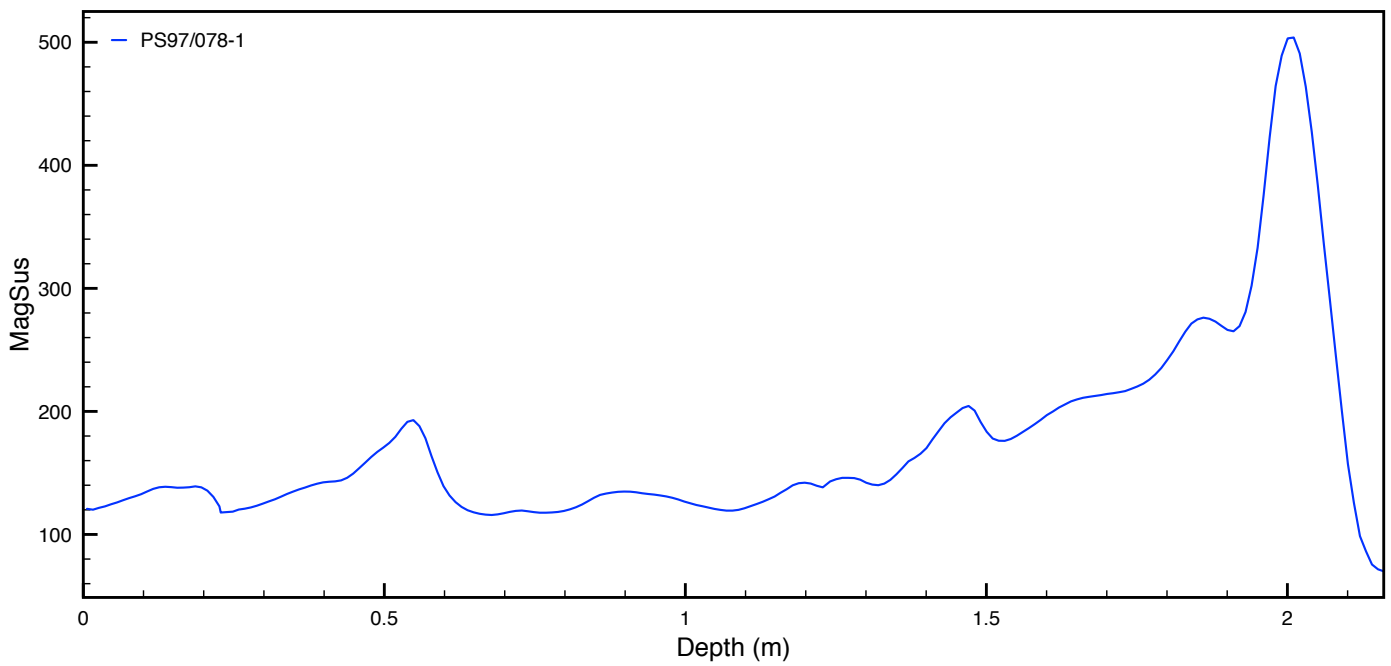
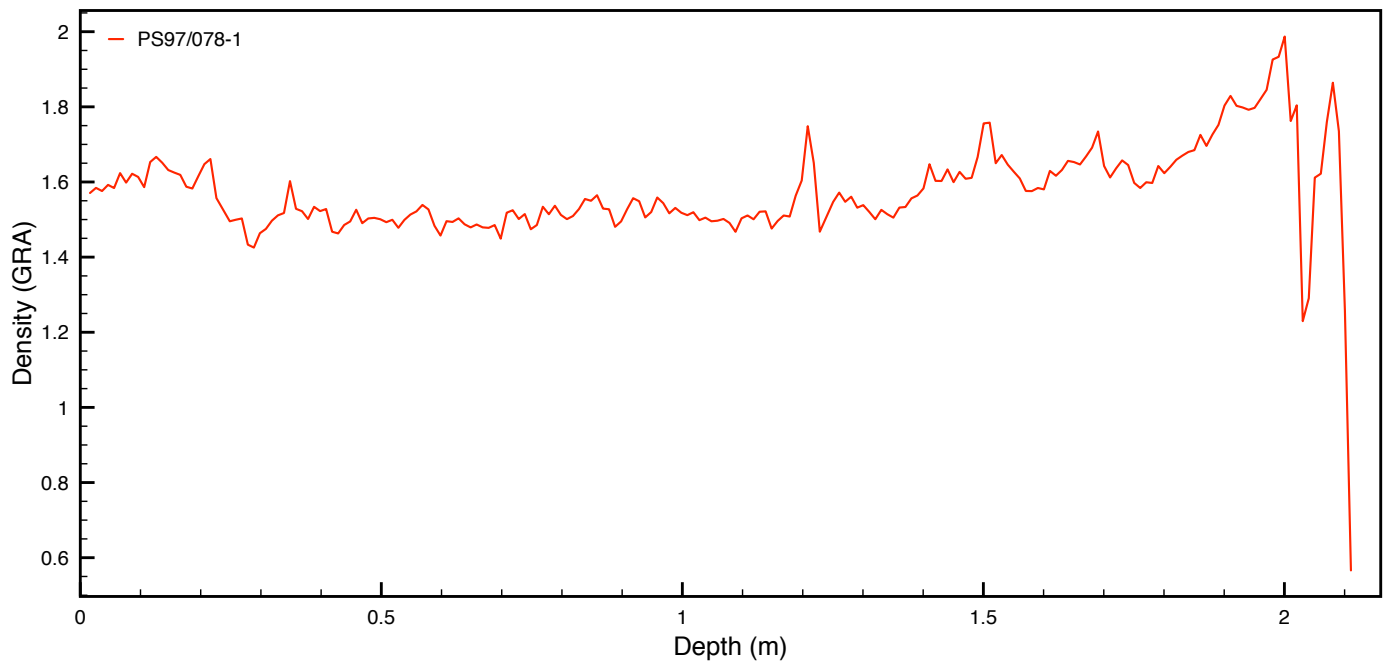
Appendix A.9 Physical Properties



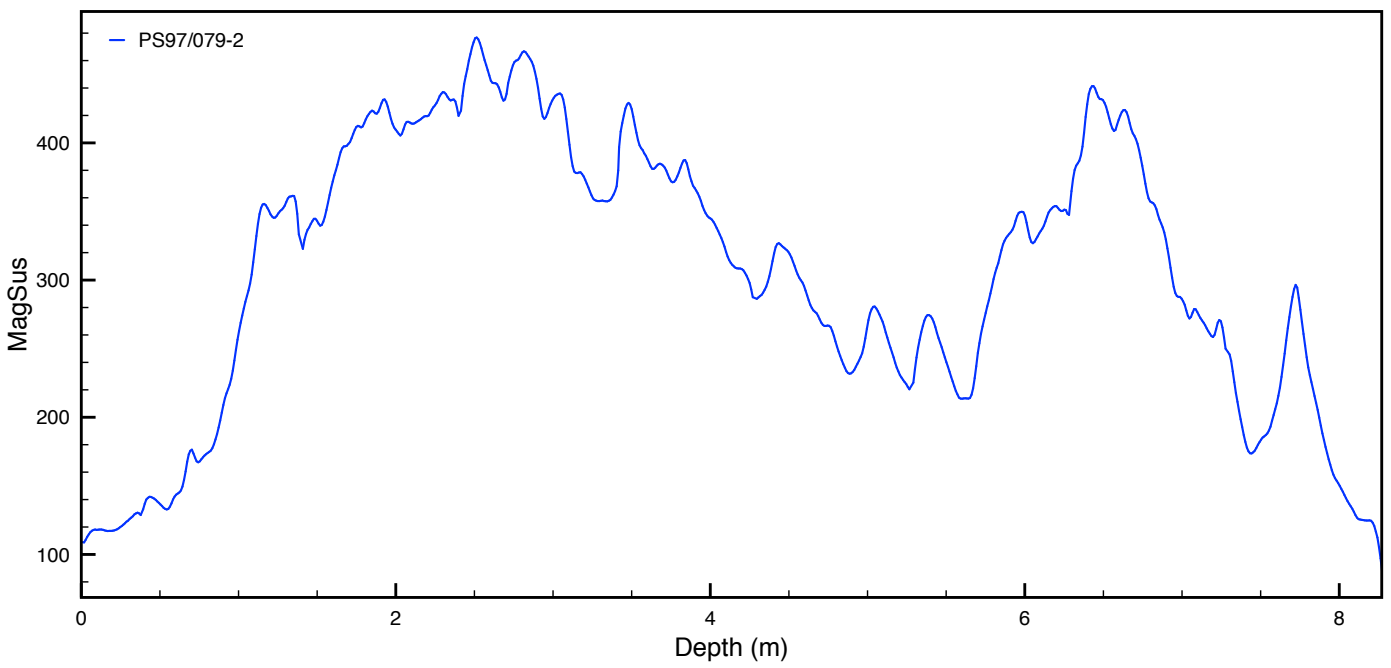
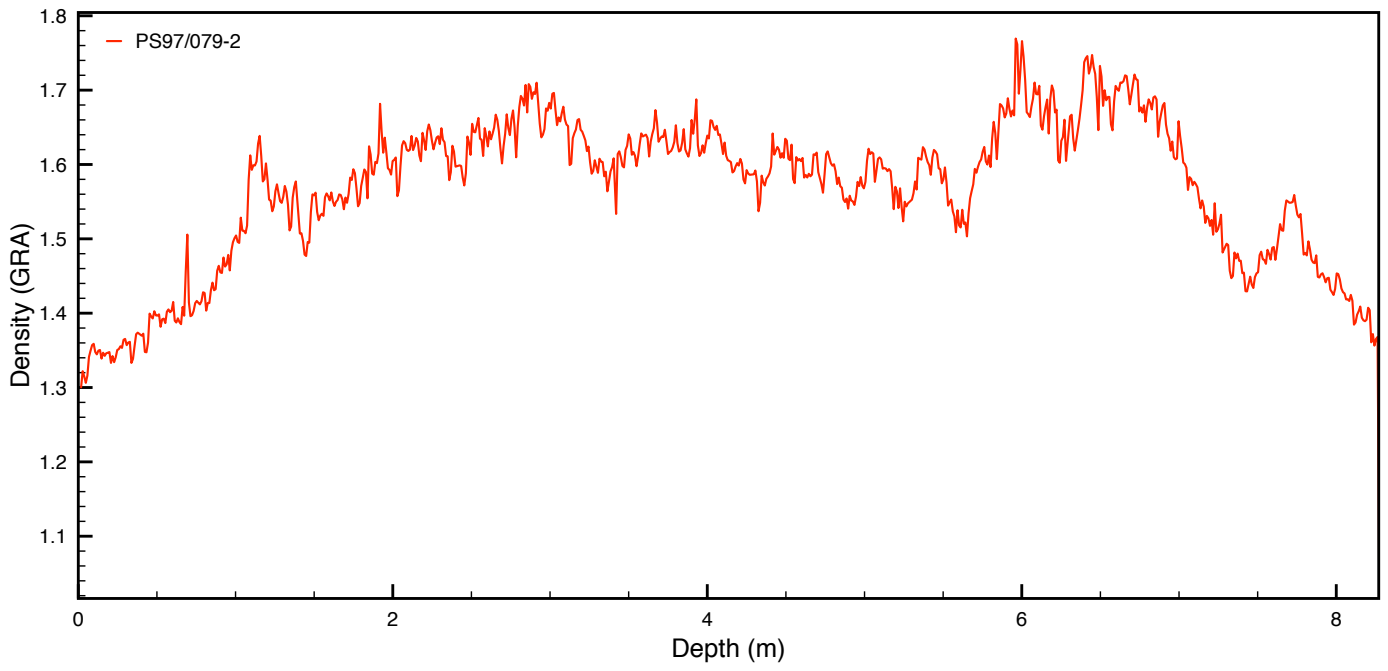
Appendix A.9 Physical Properties



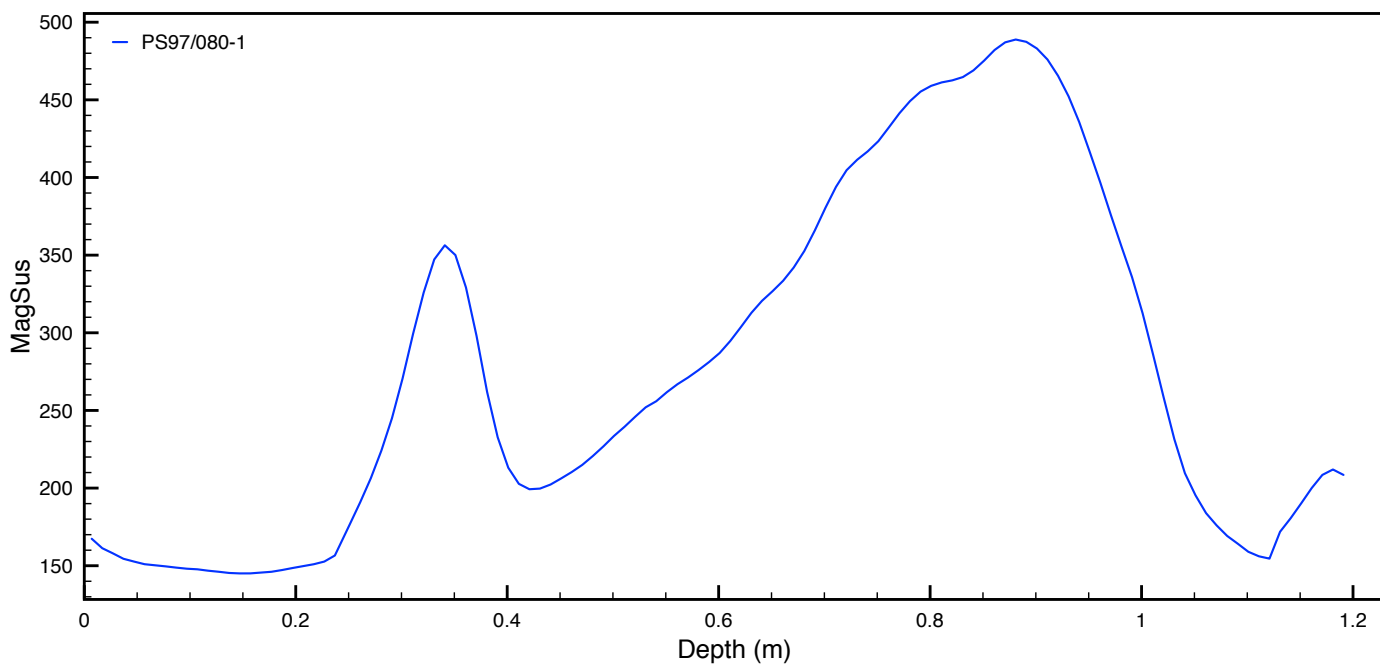
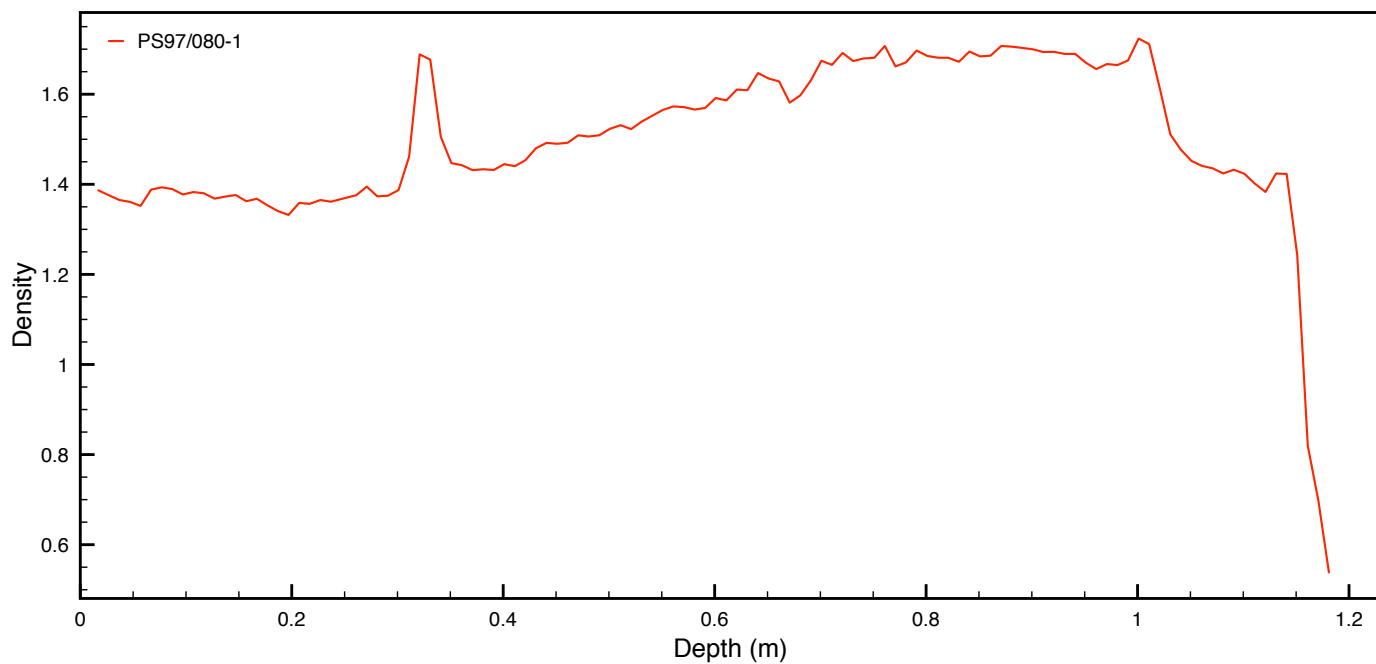
Appendix A.9 Physical Properties



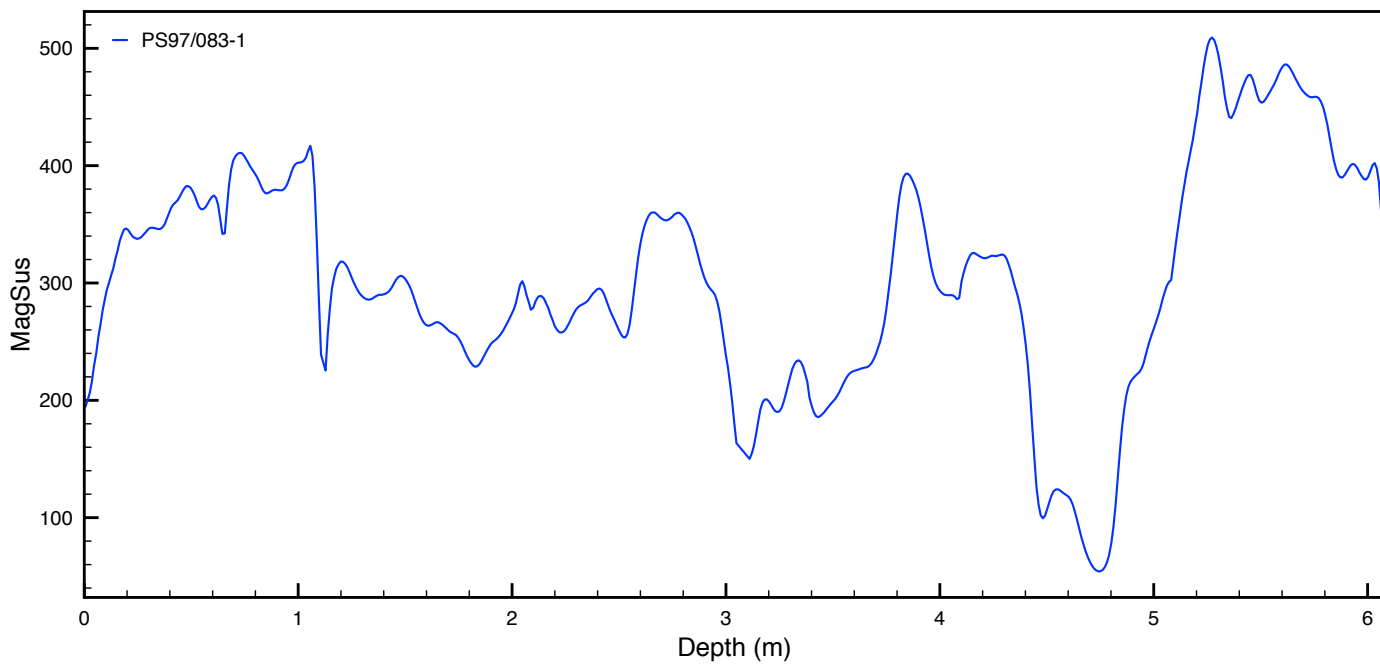
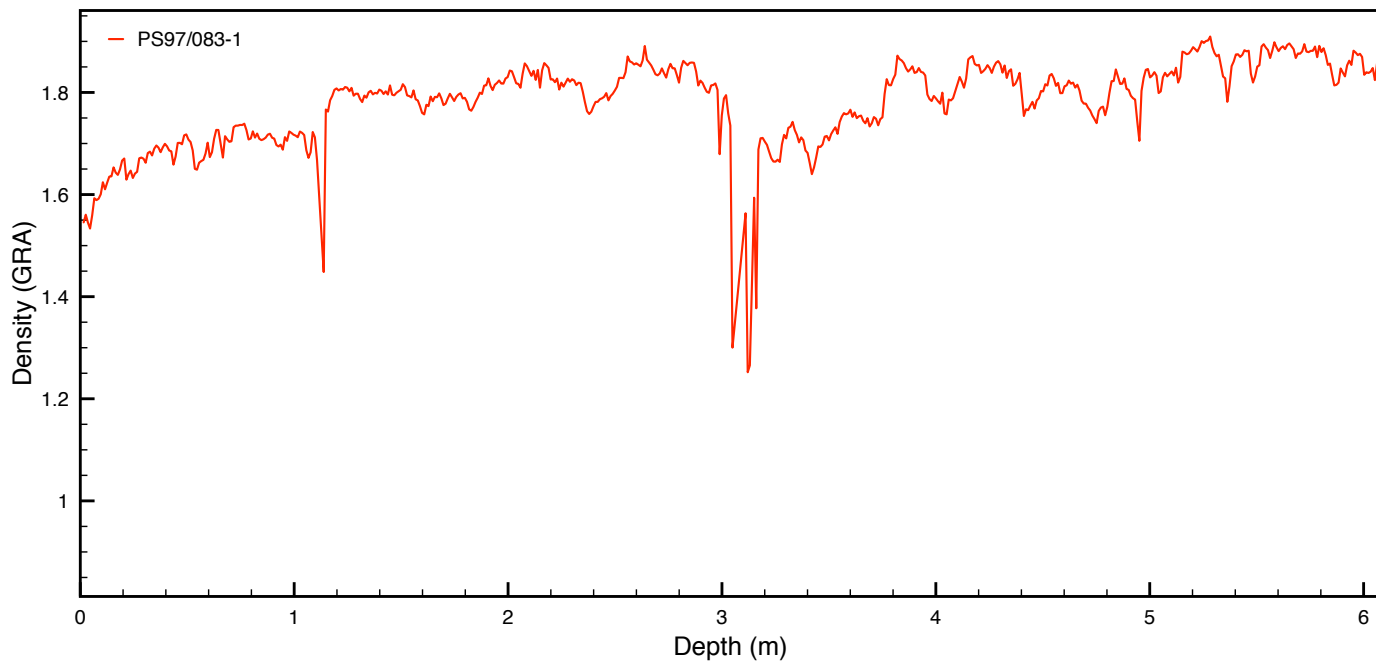
Appendix A.9 Physical Properties



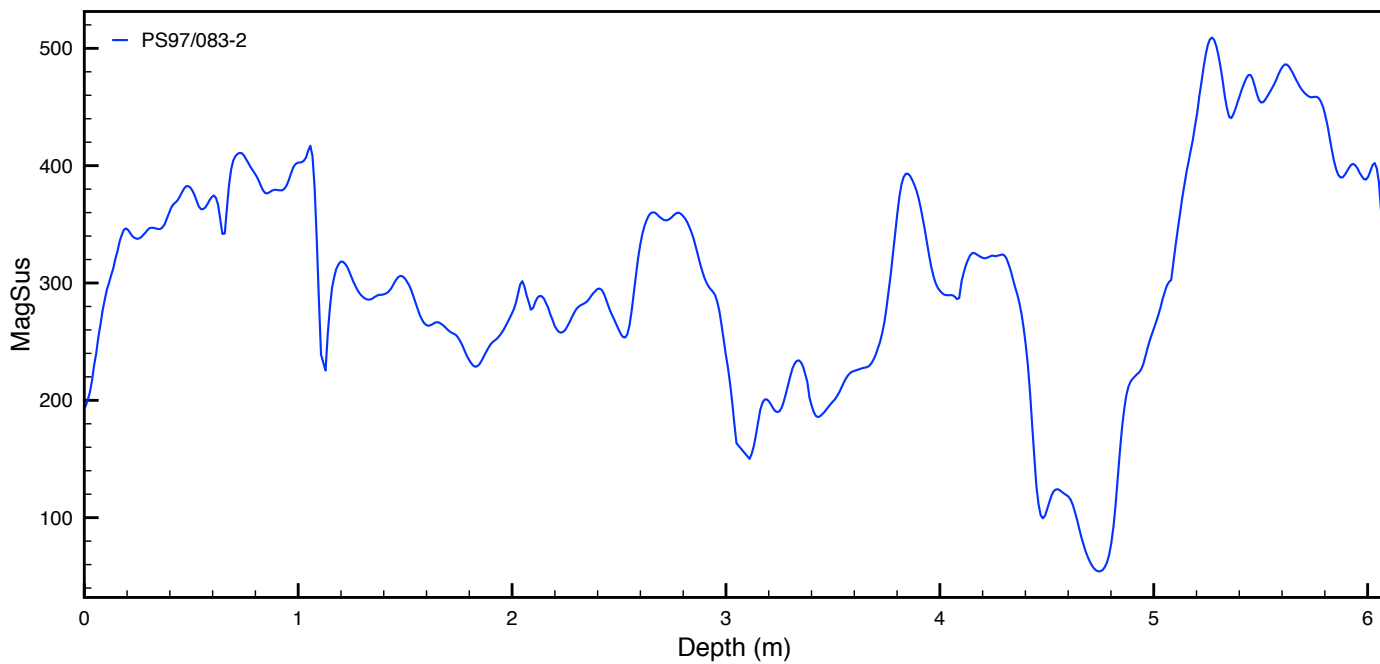
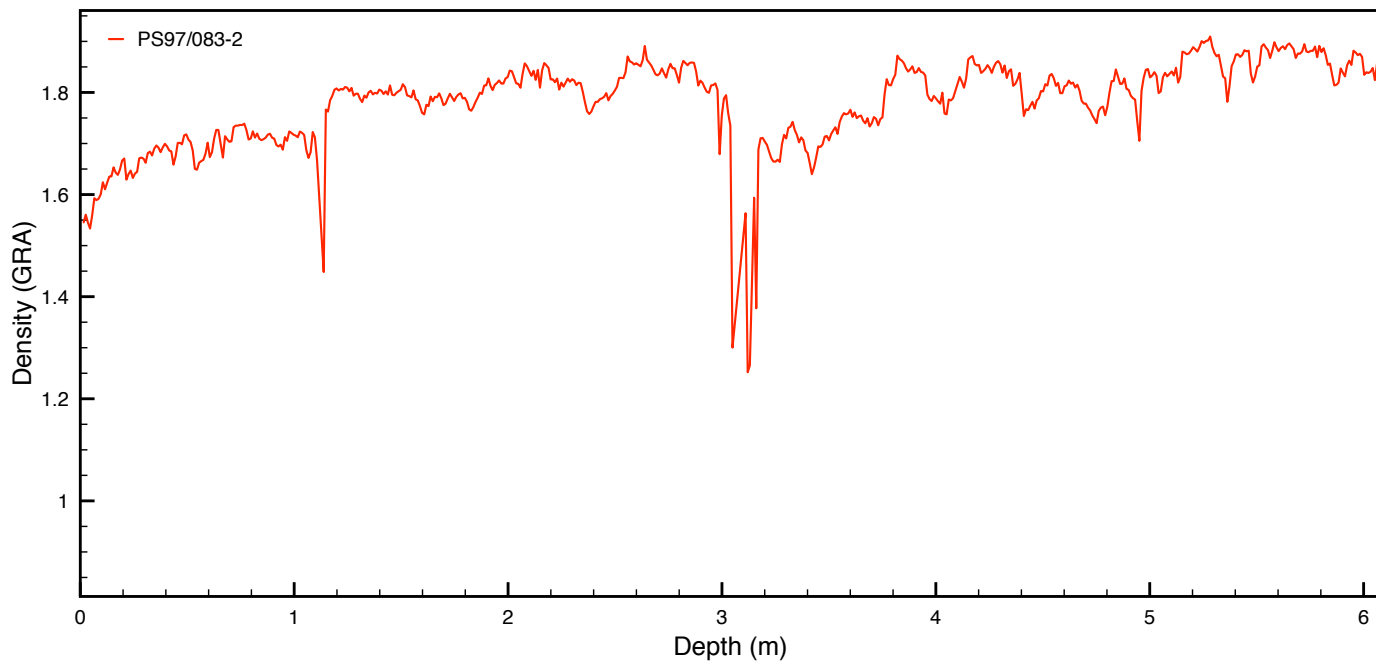
Appendix A.9 Physical Properties



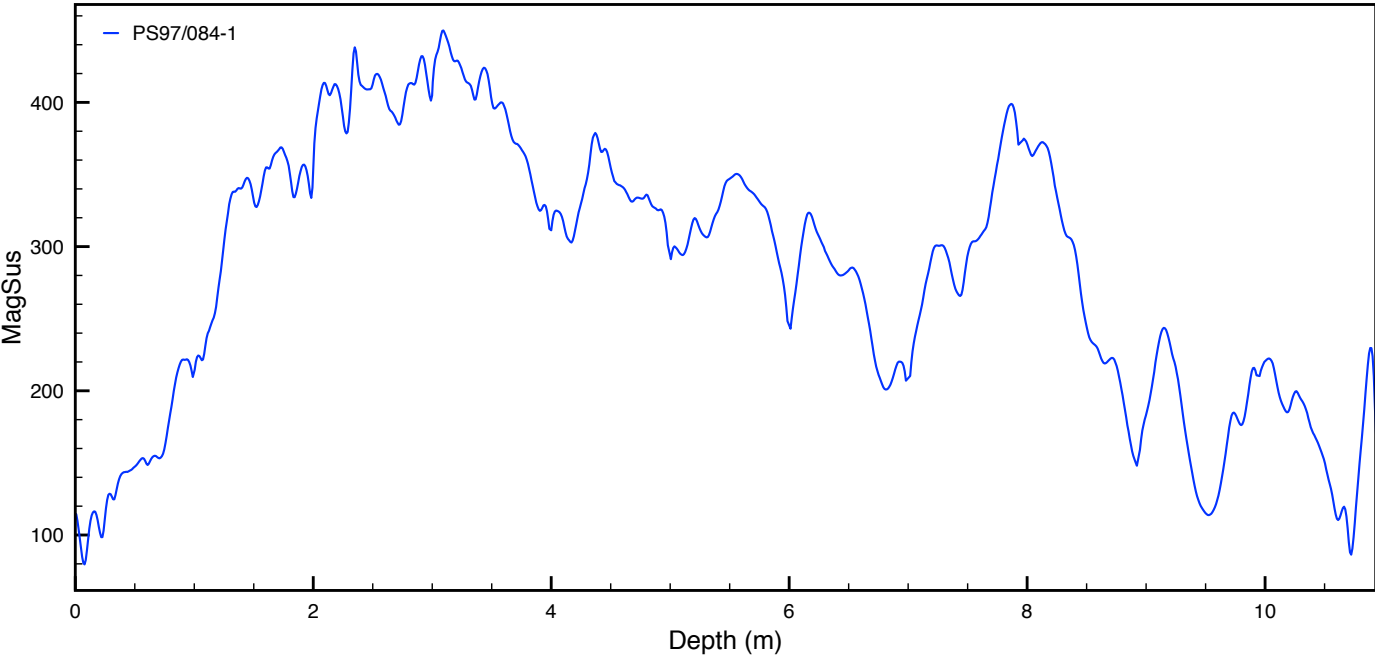
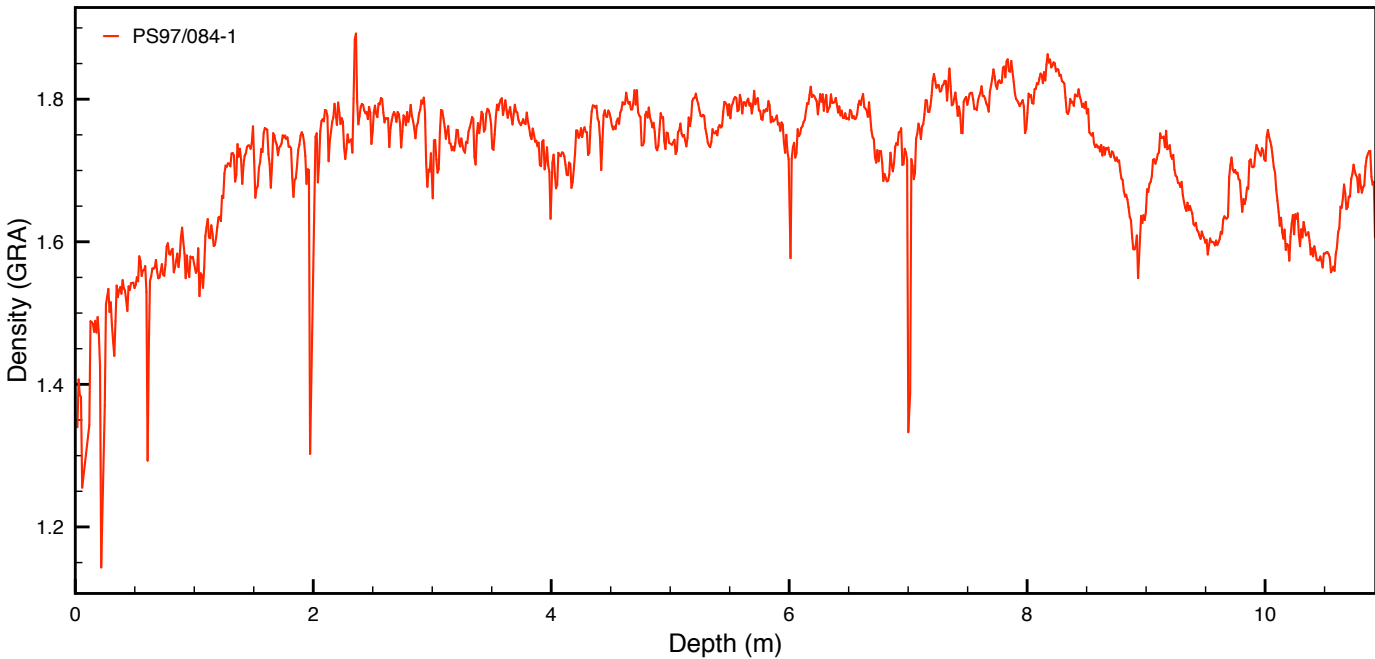
Appendix A.9 Physical Properties



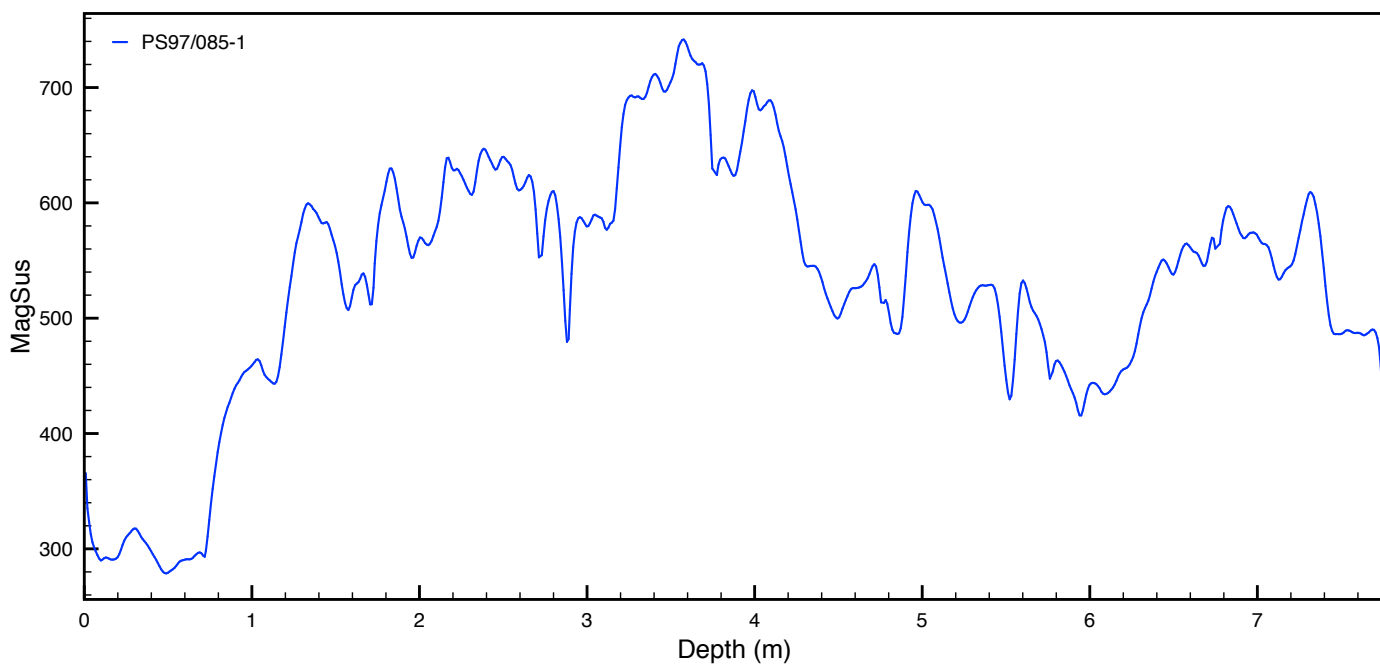
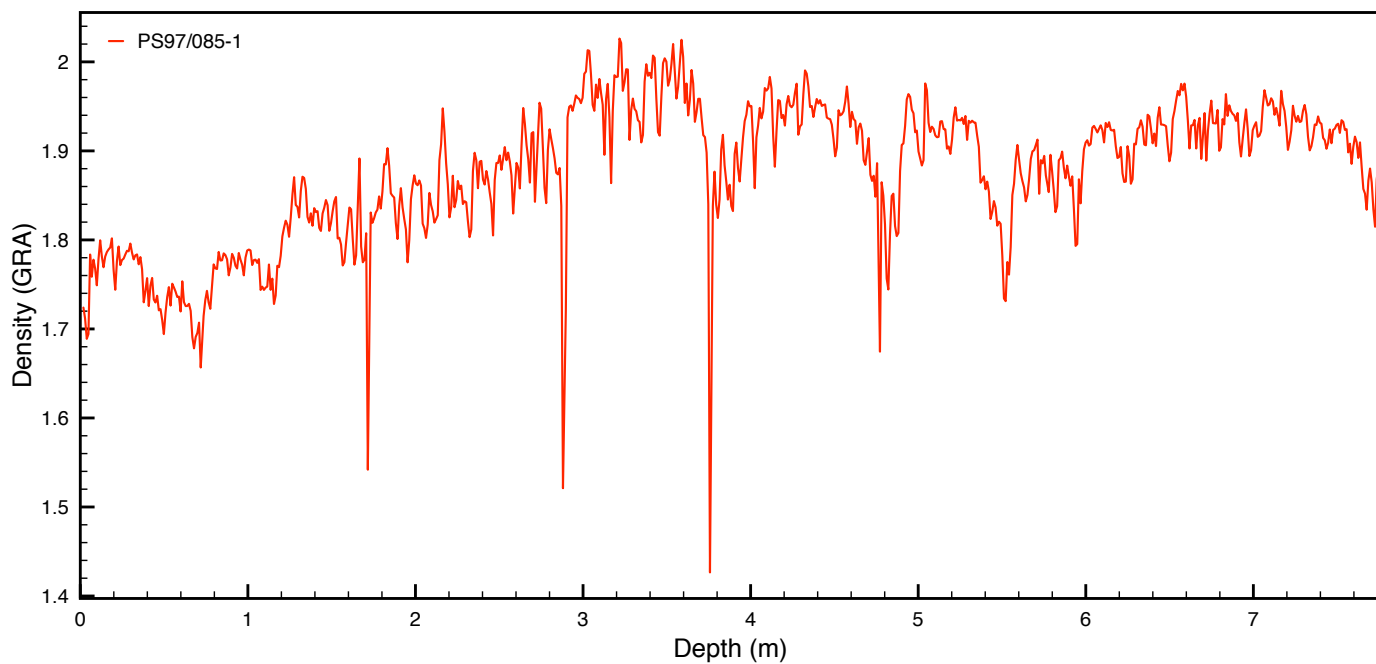
Appendix A.9 Physical Properties

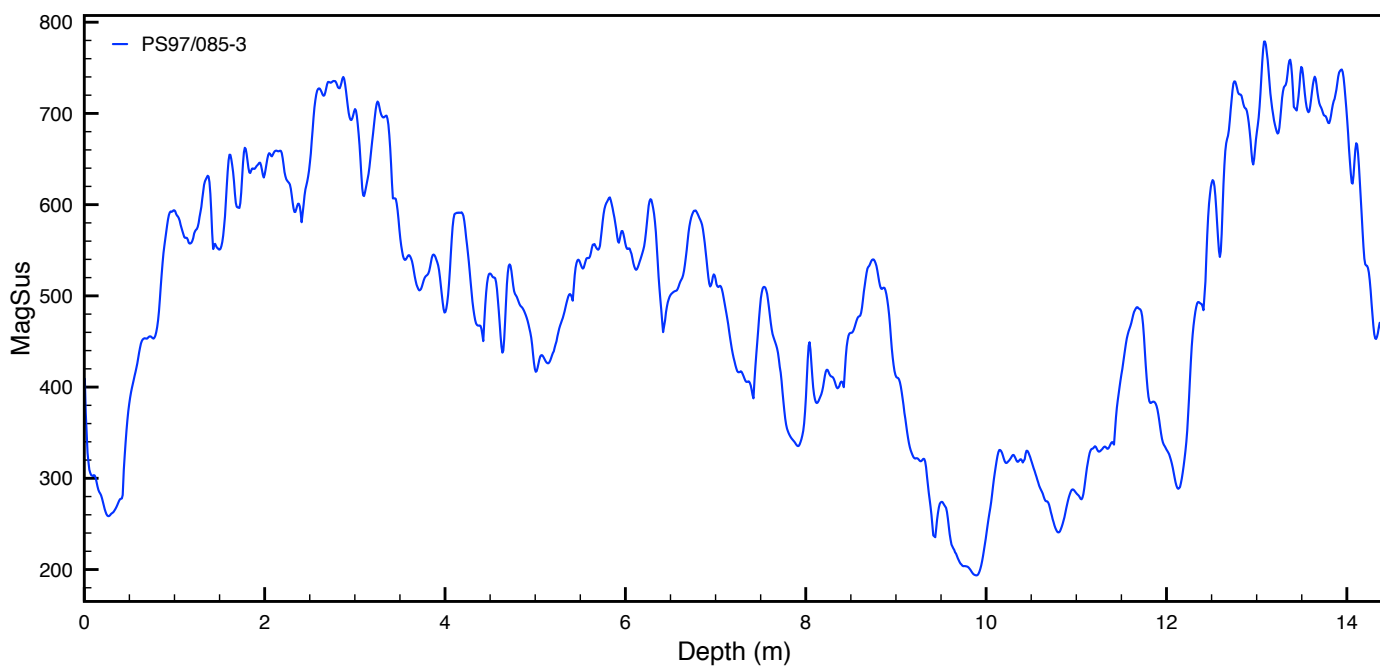
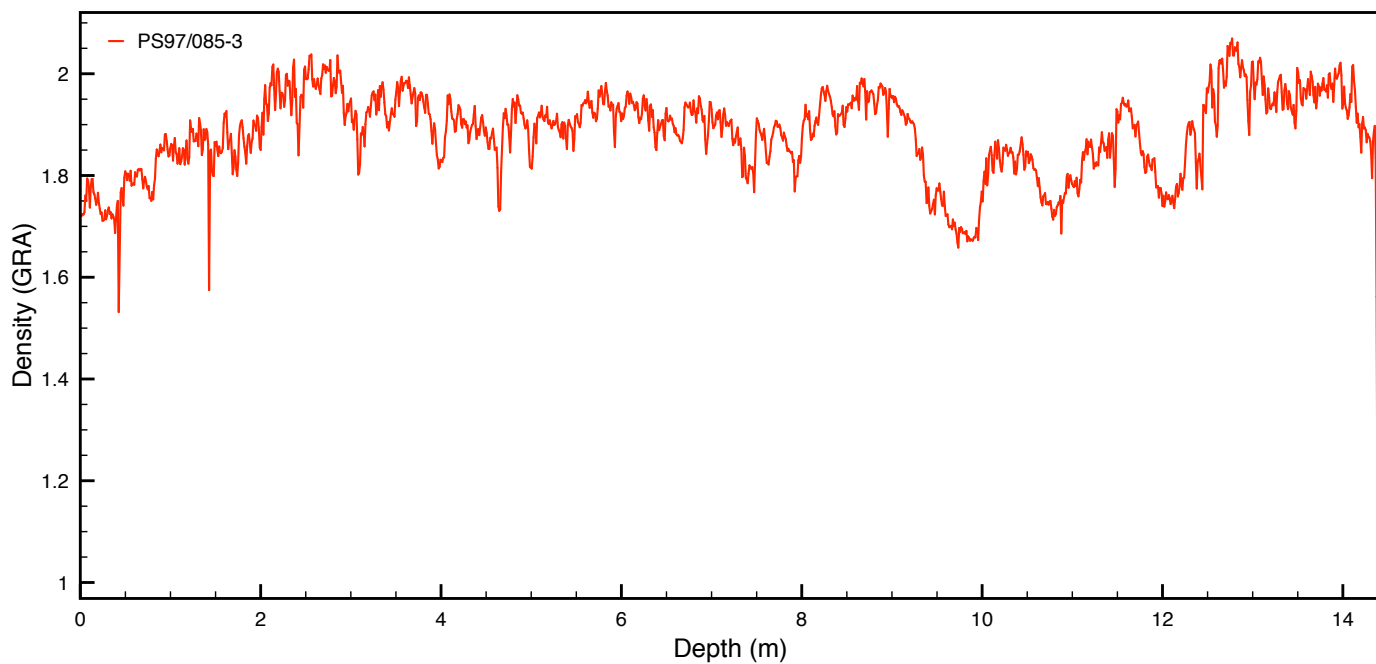


Appendix A.9 Physical Properties

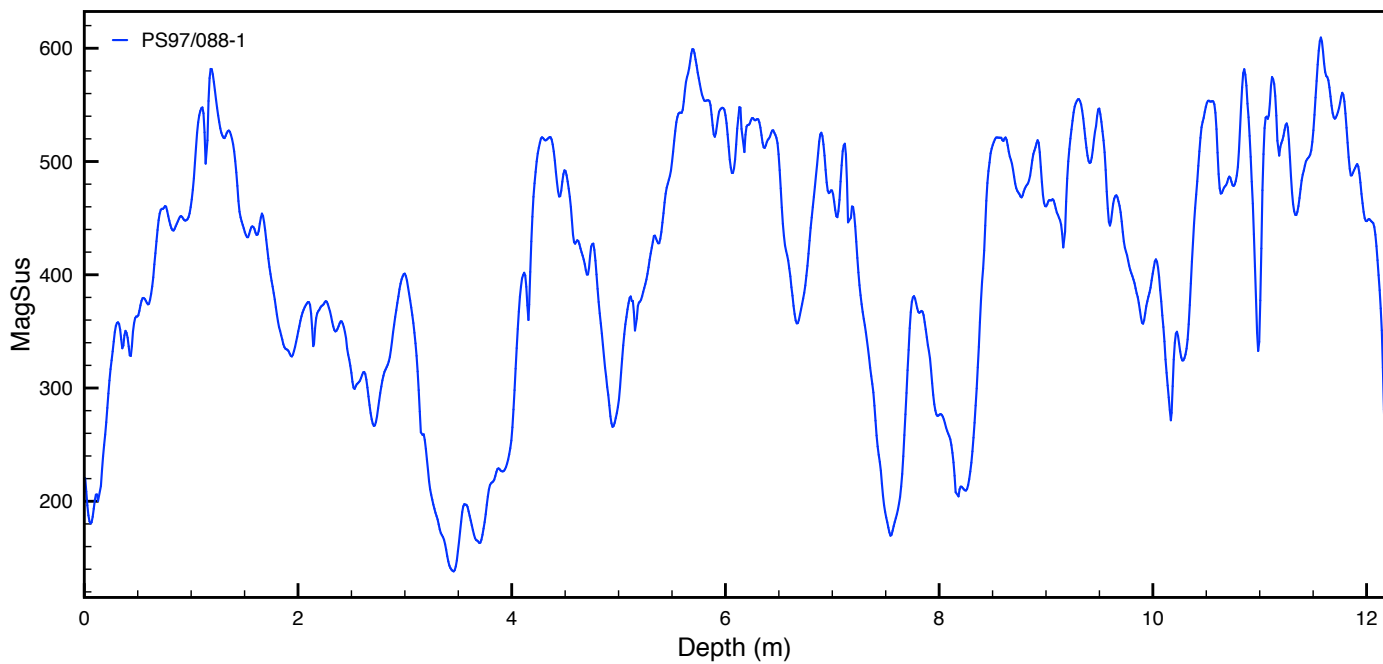
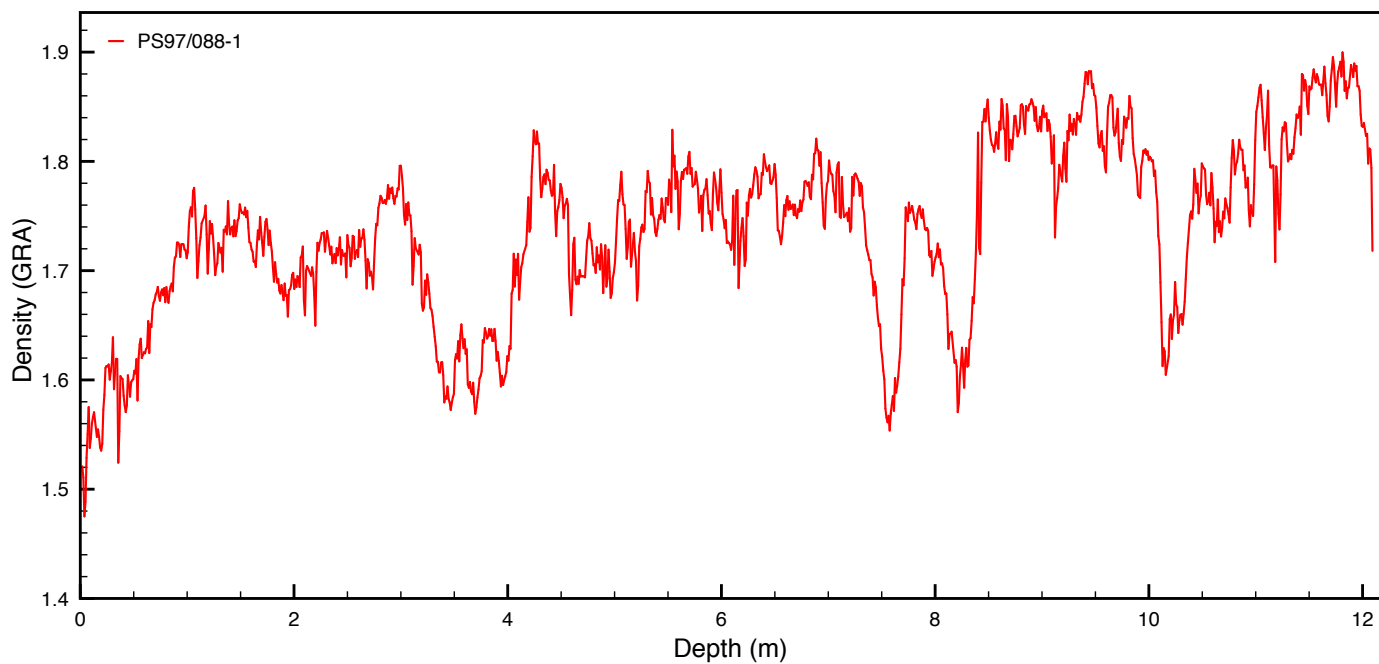


Appendix A.9 Physical Properties

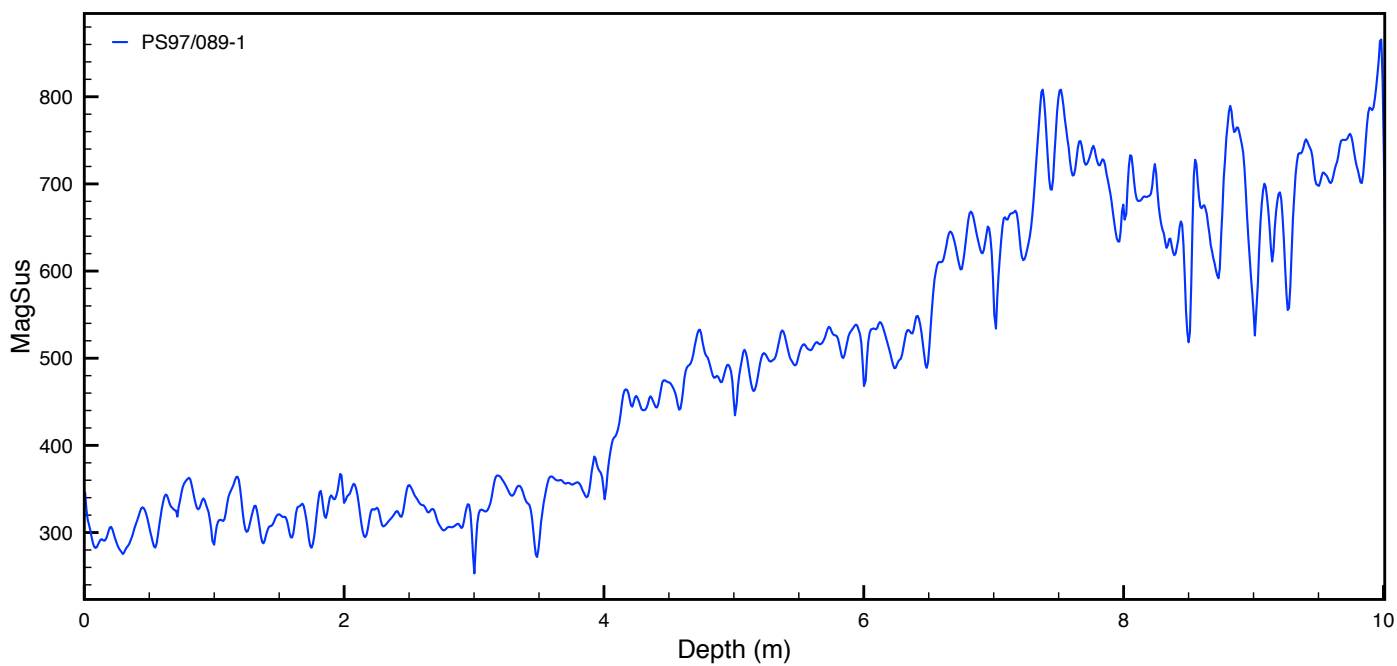
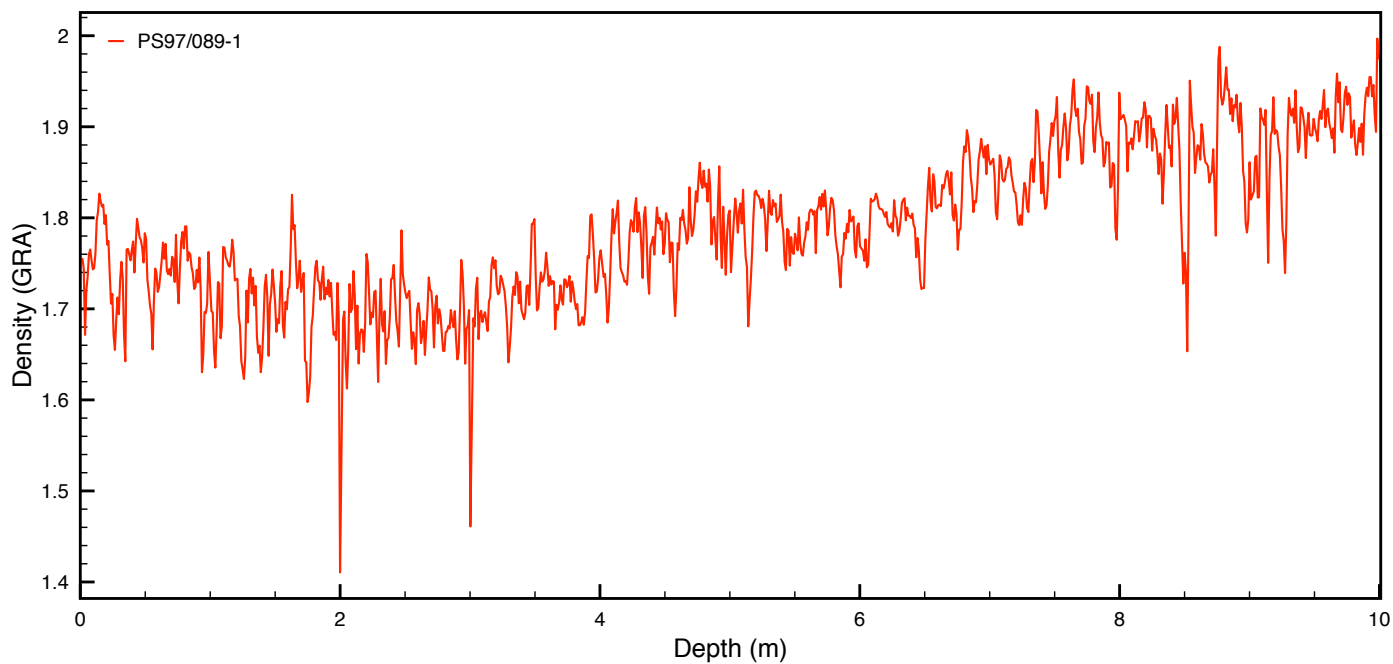




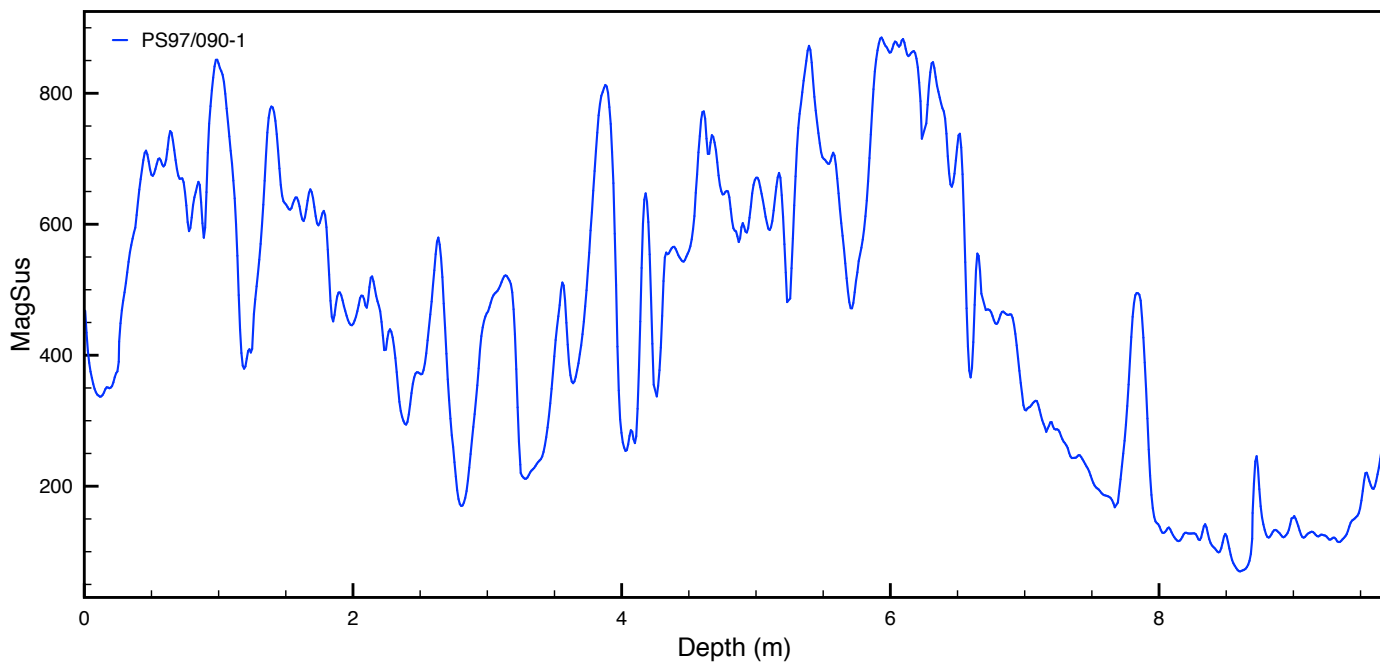
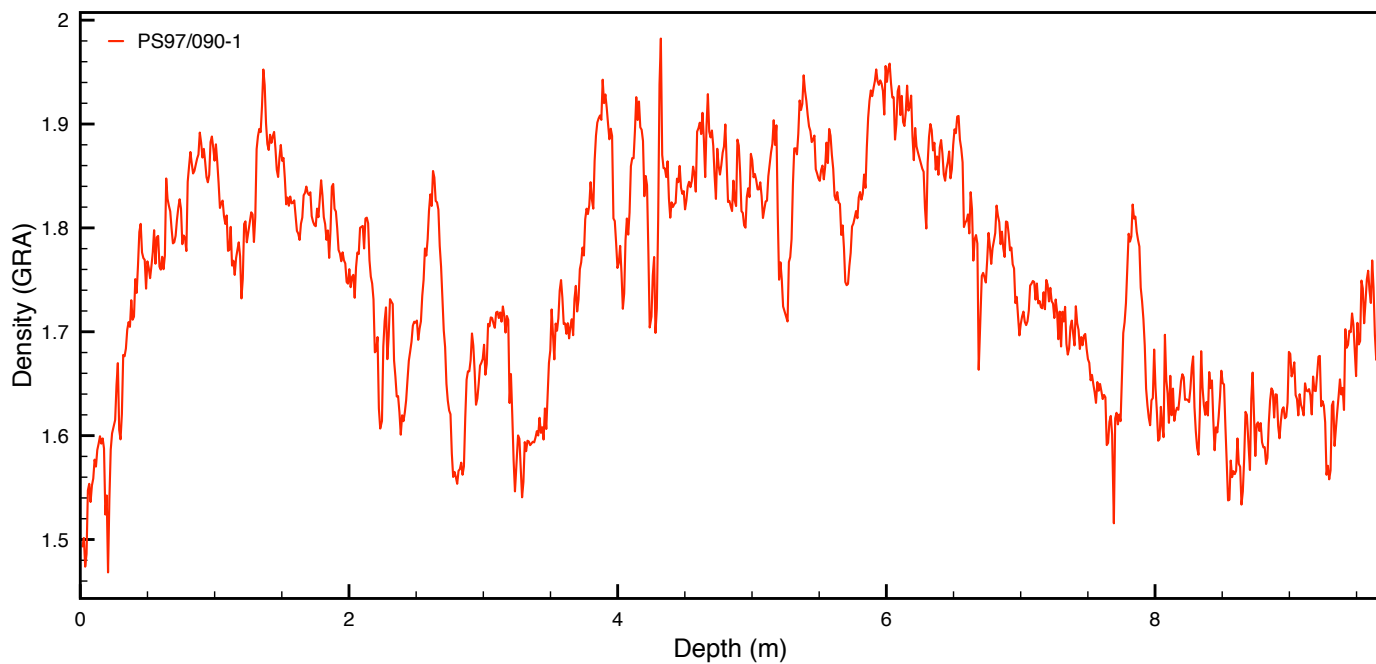
Appendix A.9 Physical Properties



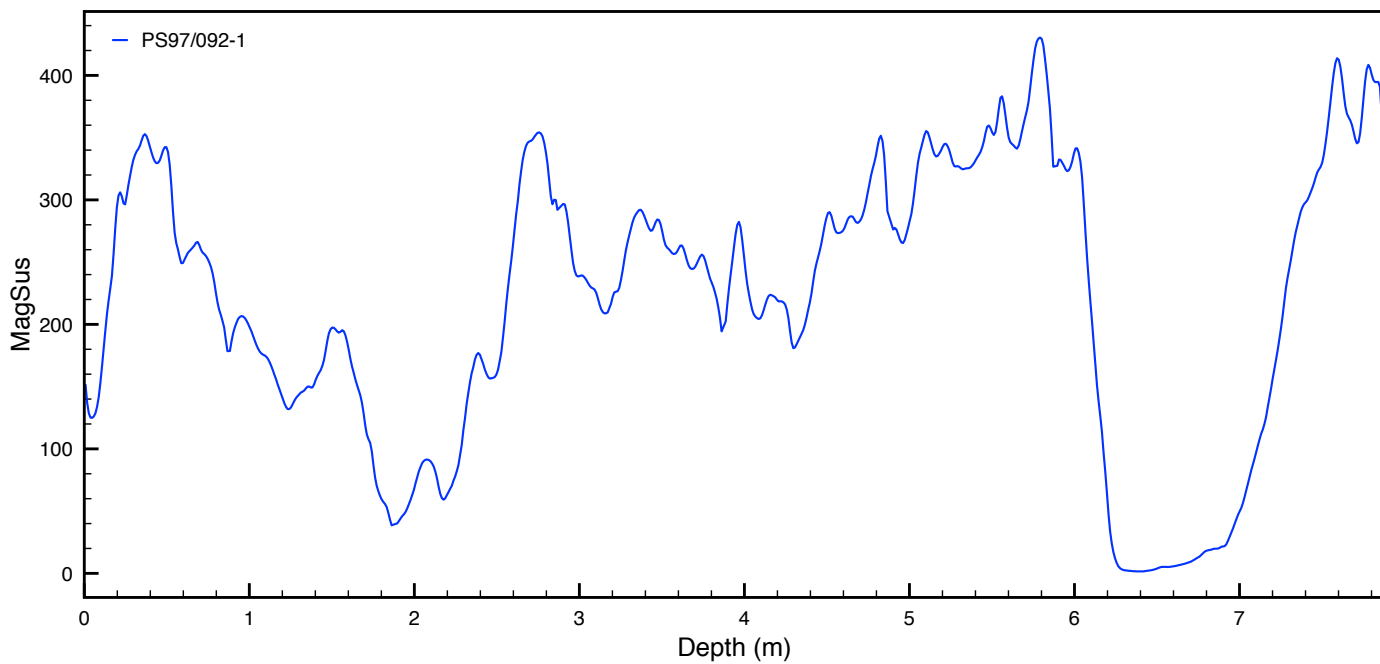
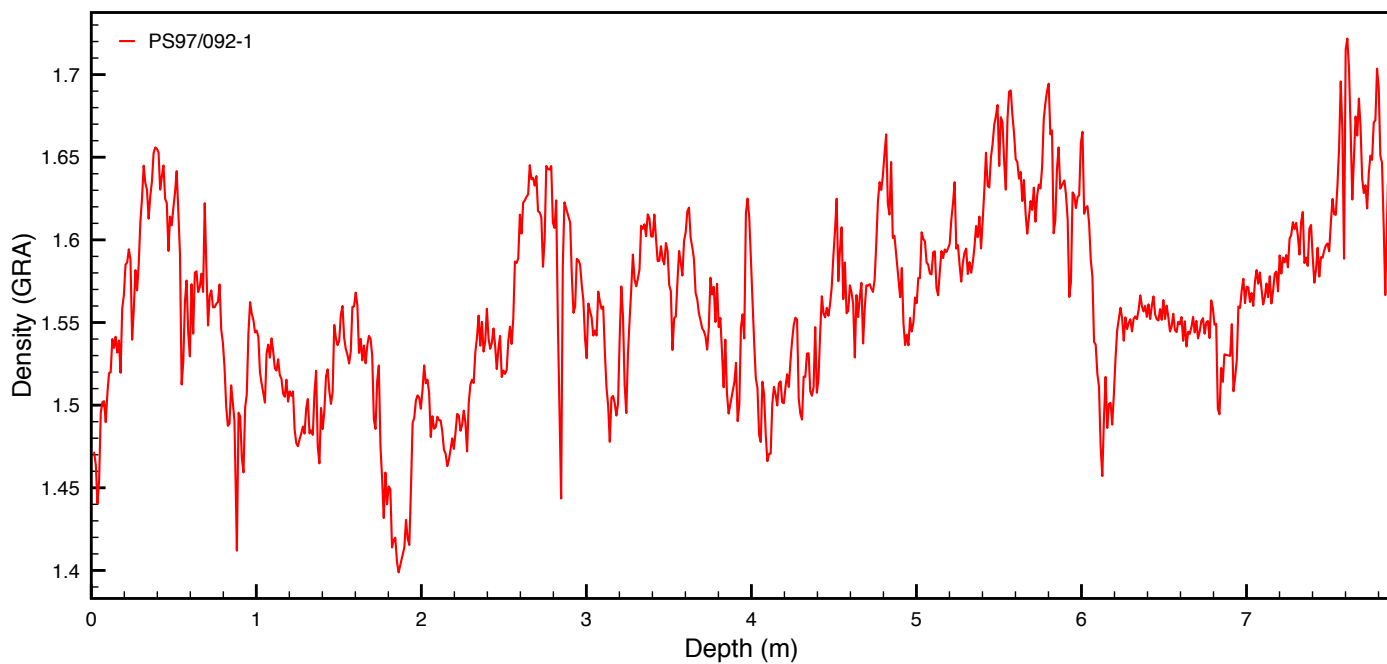
Appendix A.9 Physical Properties



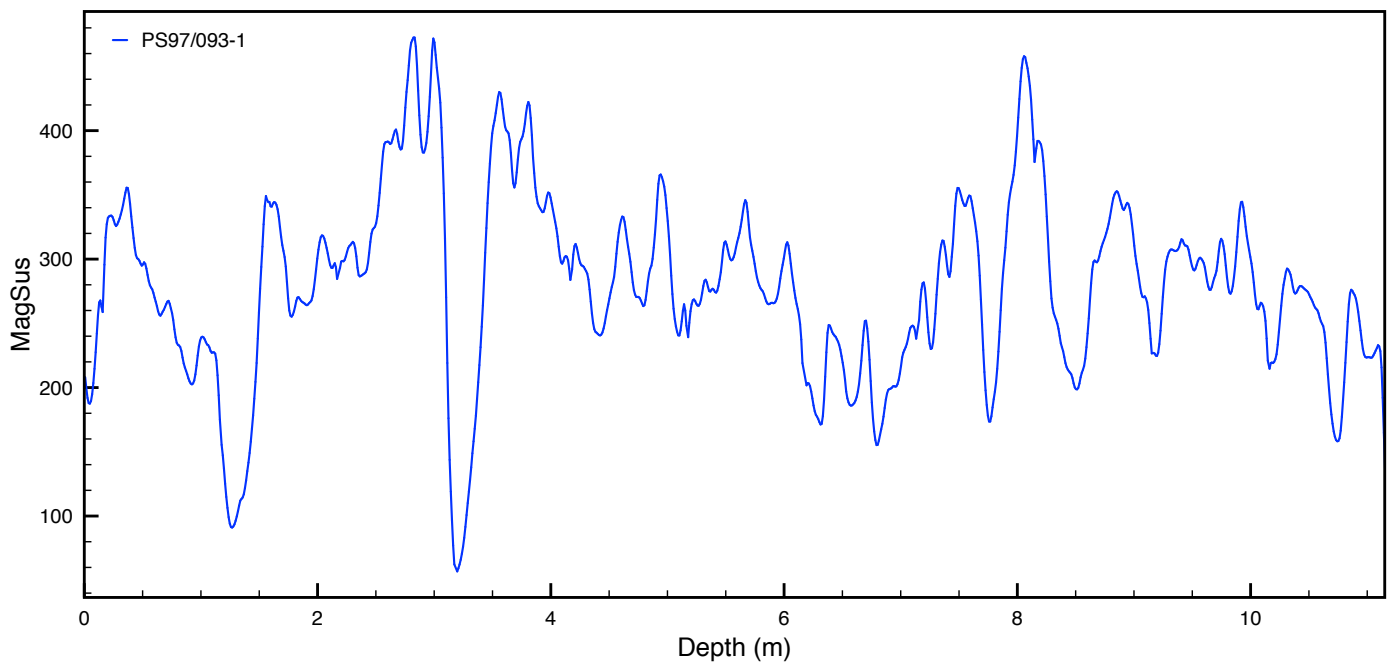
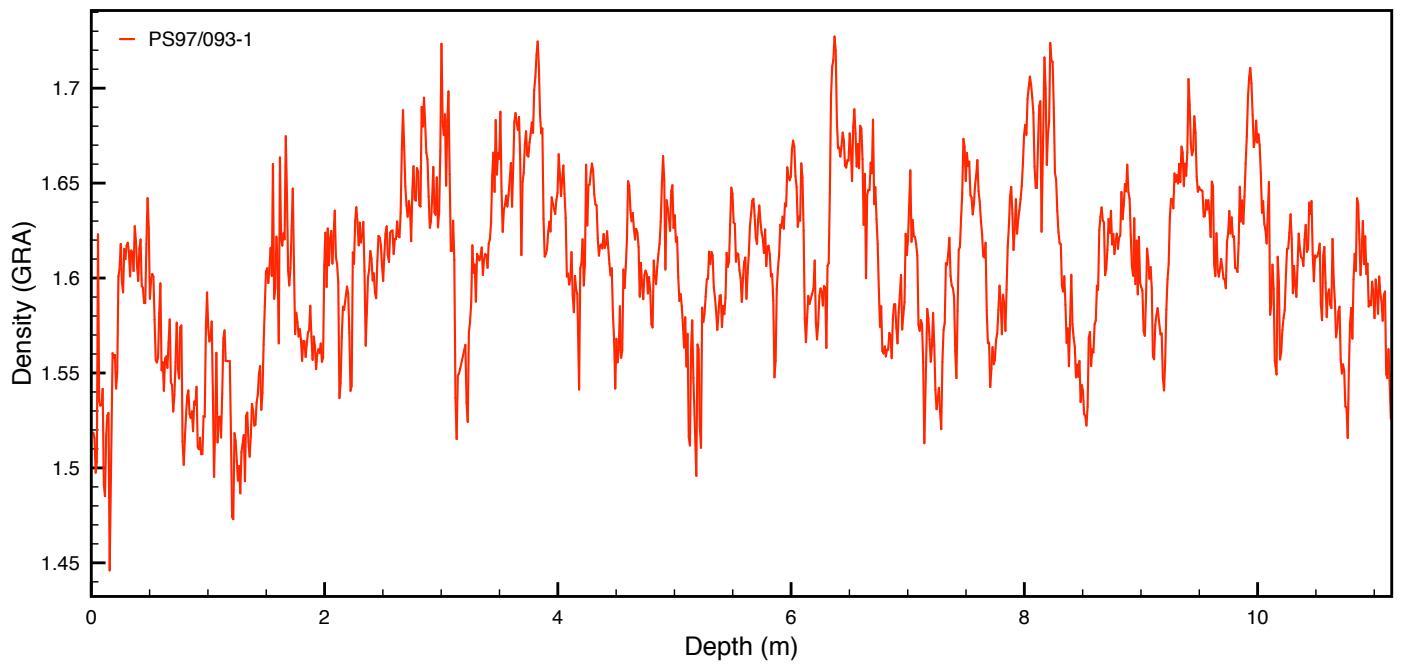
Appendix A.9 Physical Properties



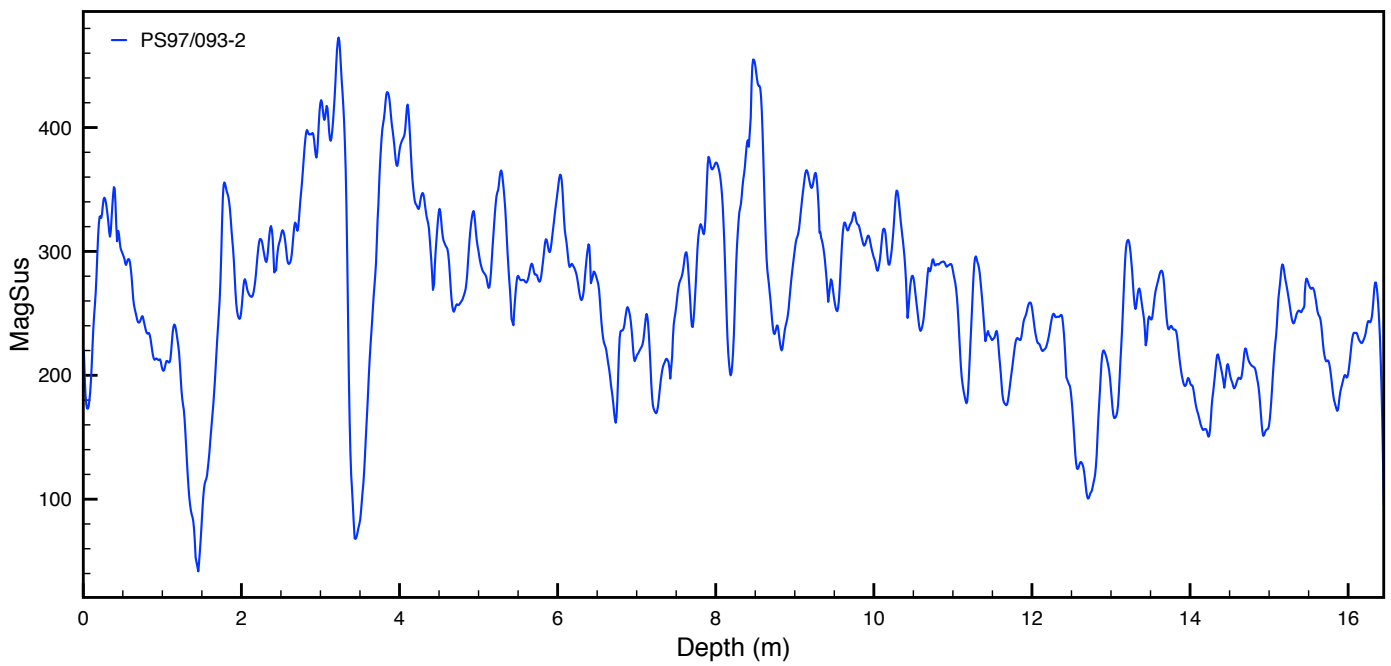
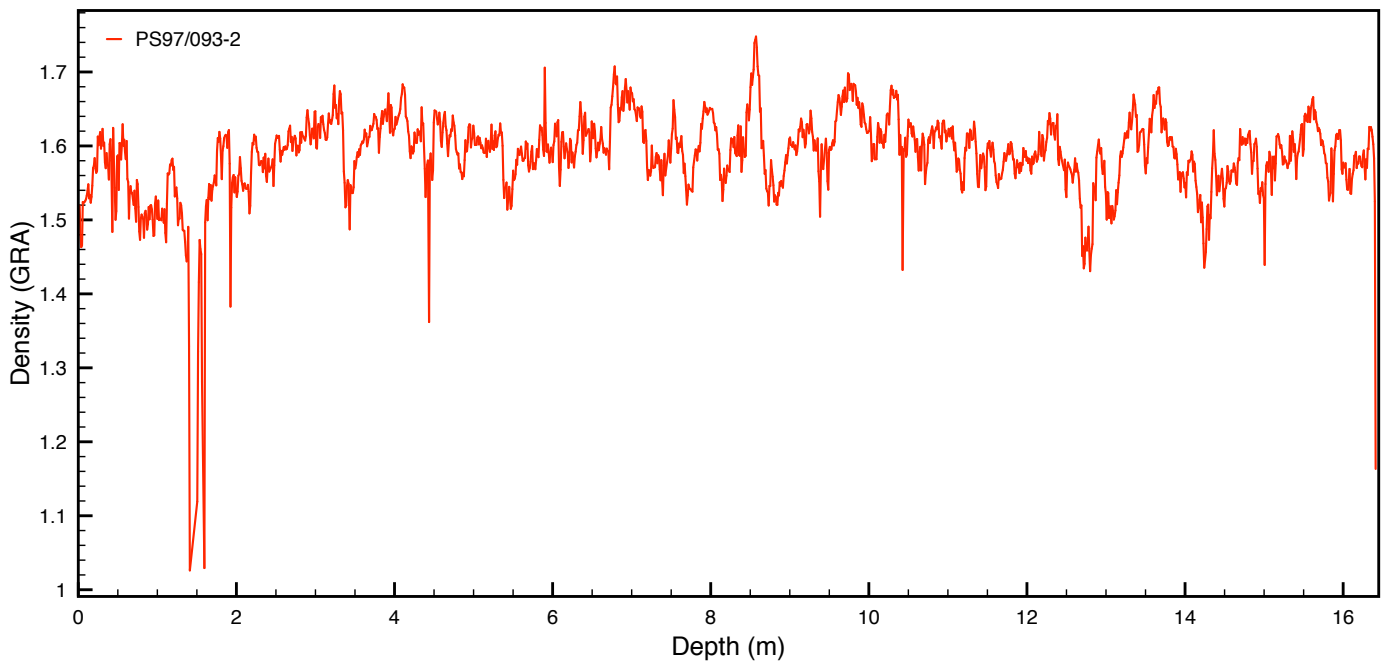
Appendix A.9 Physical Properties



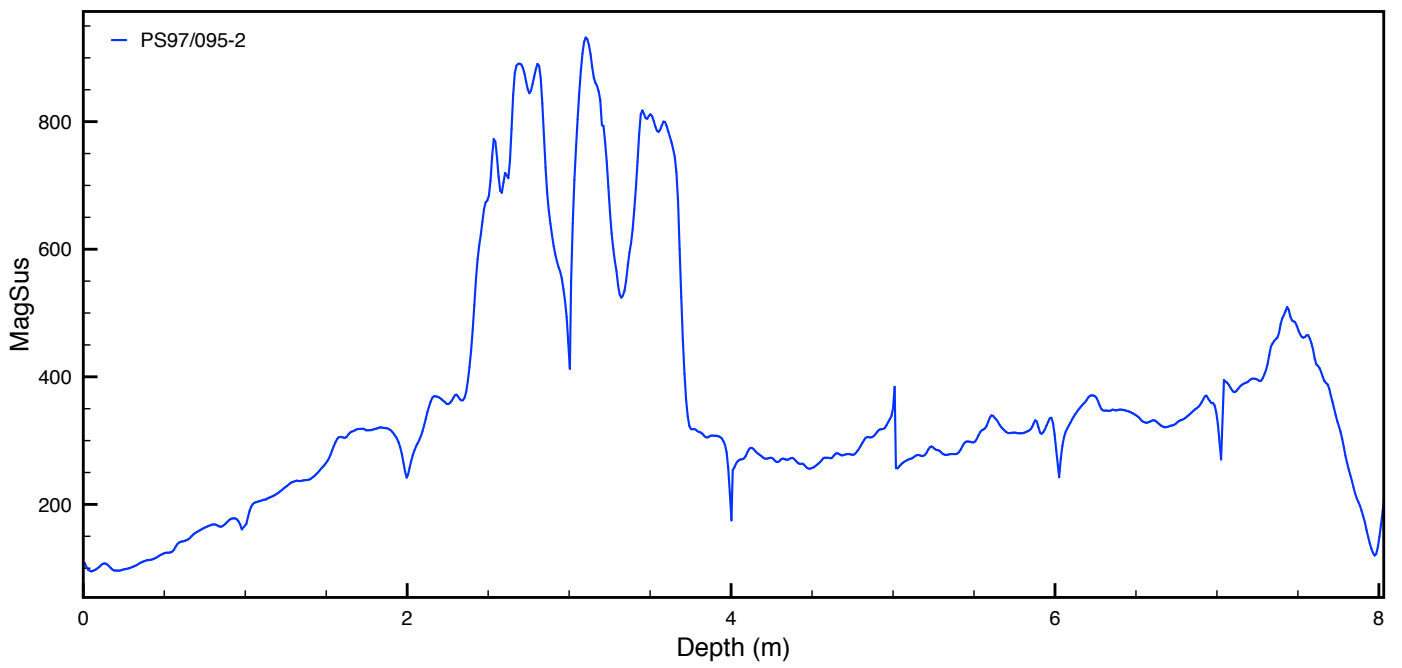
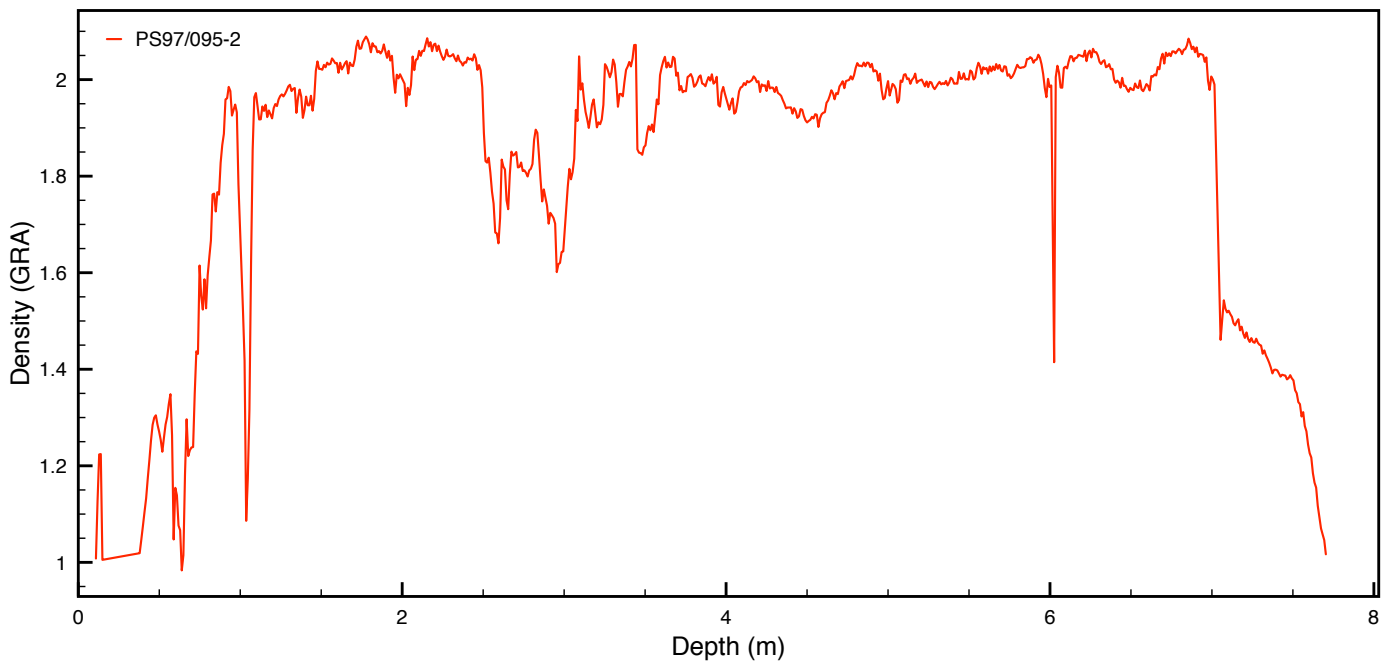
Appendix A.9 Physical Properties



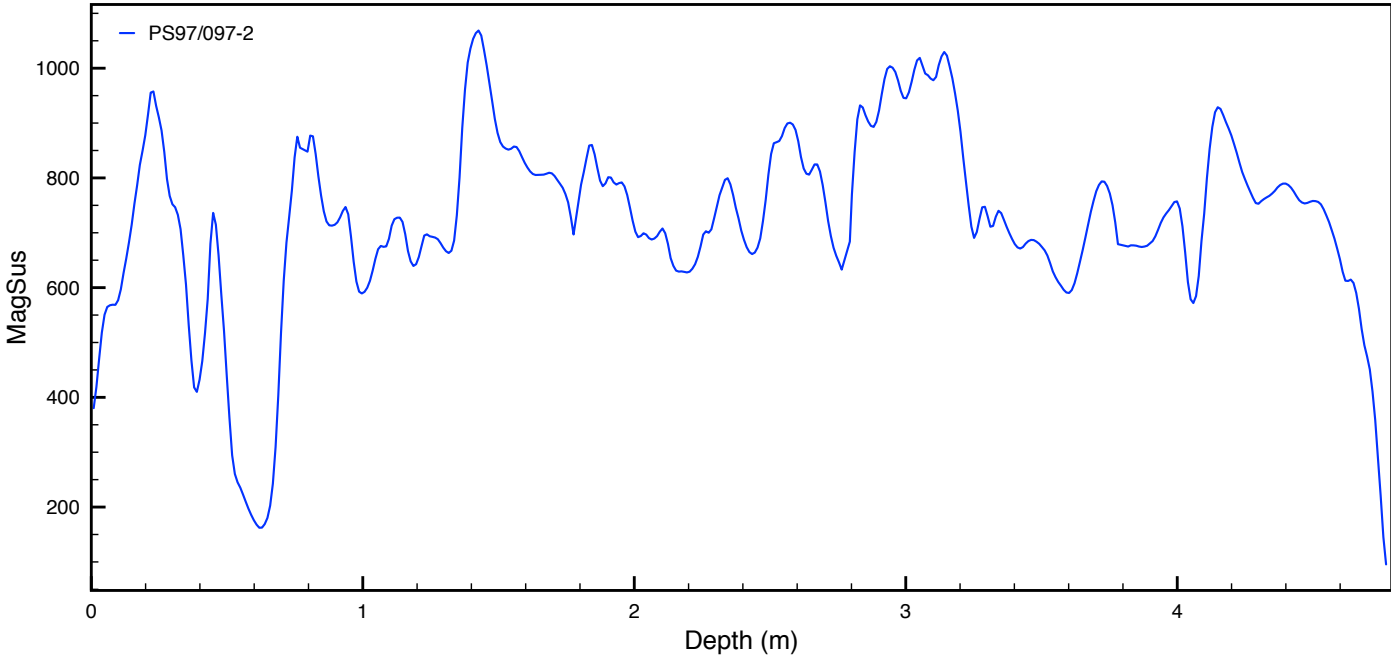
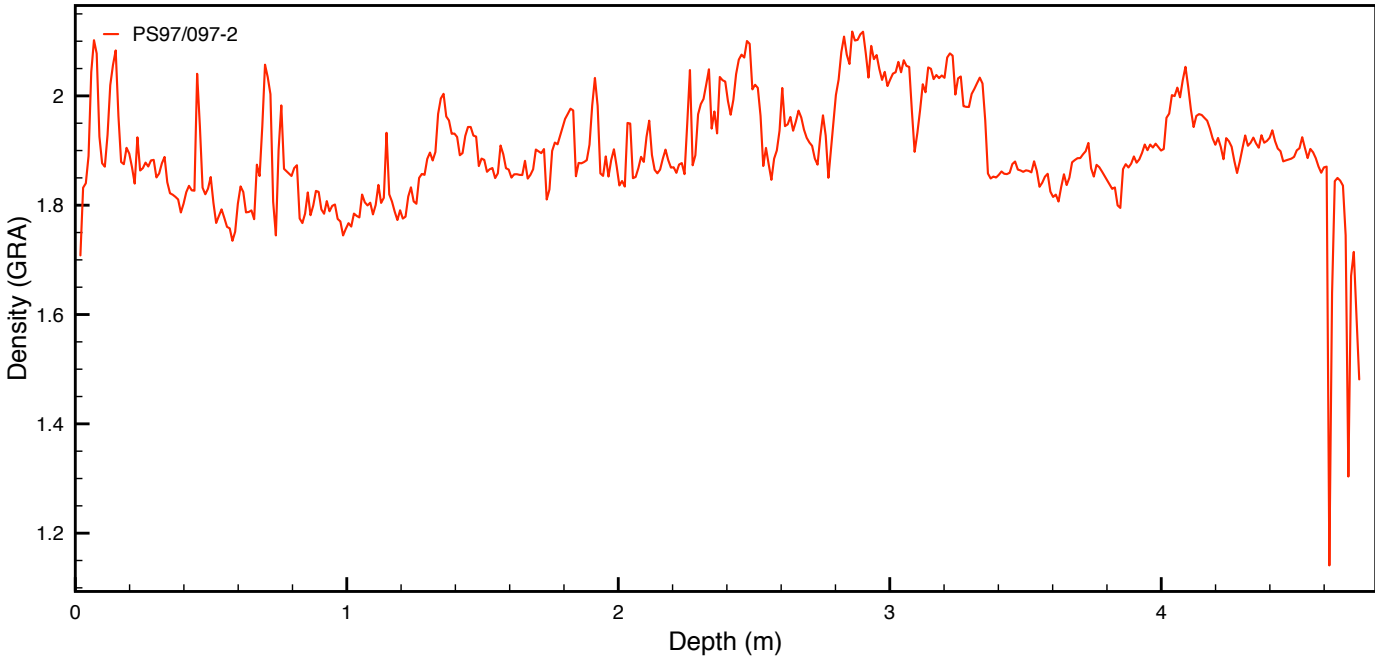
Appendix A.9 Physical Properties



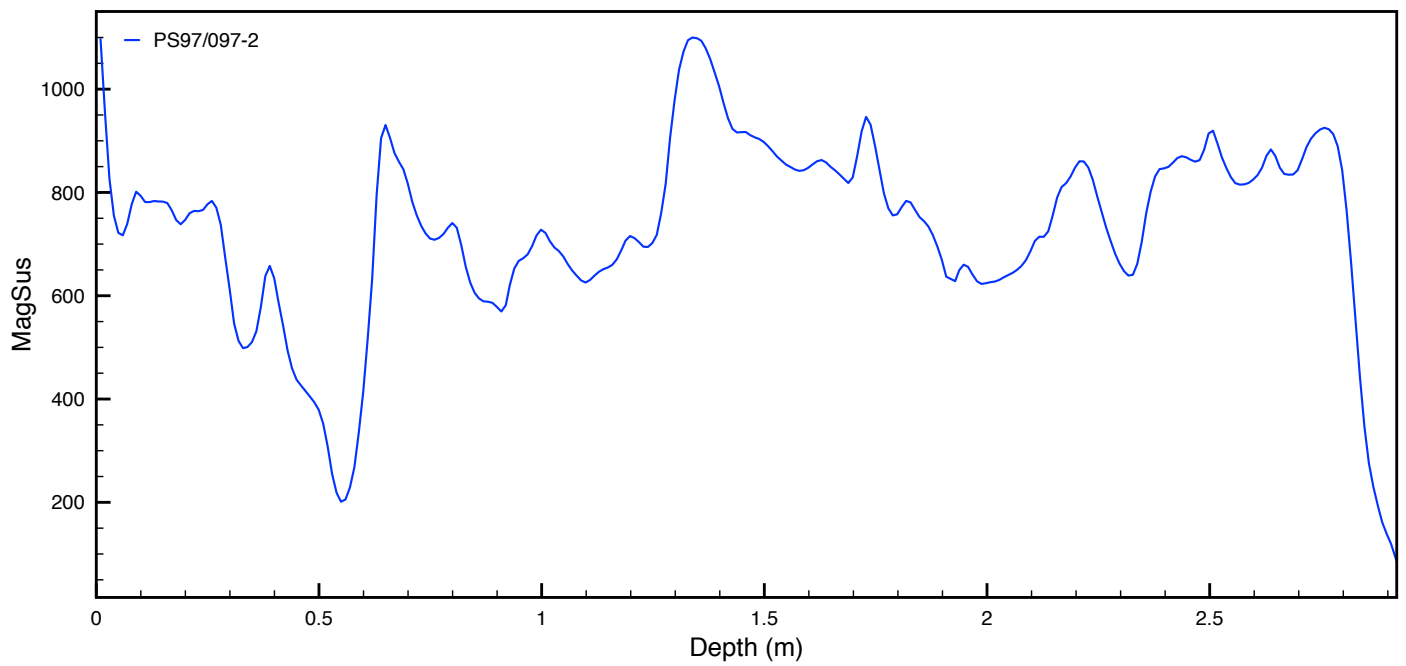
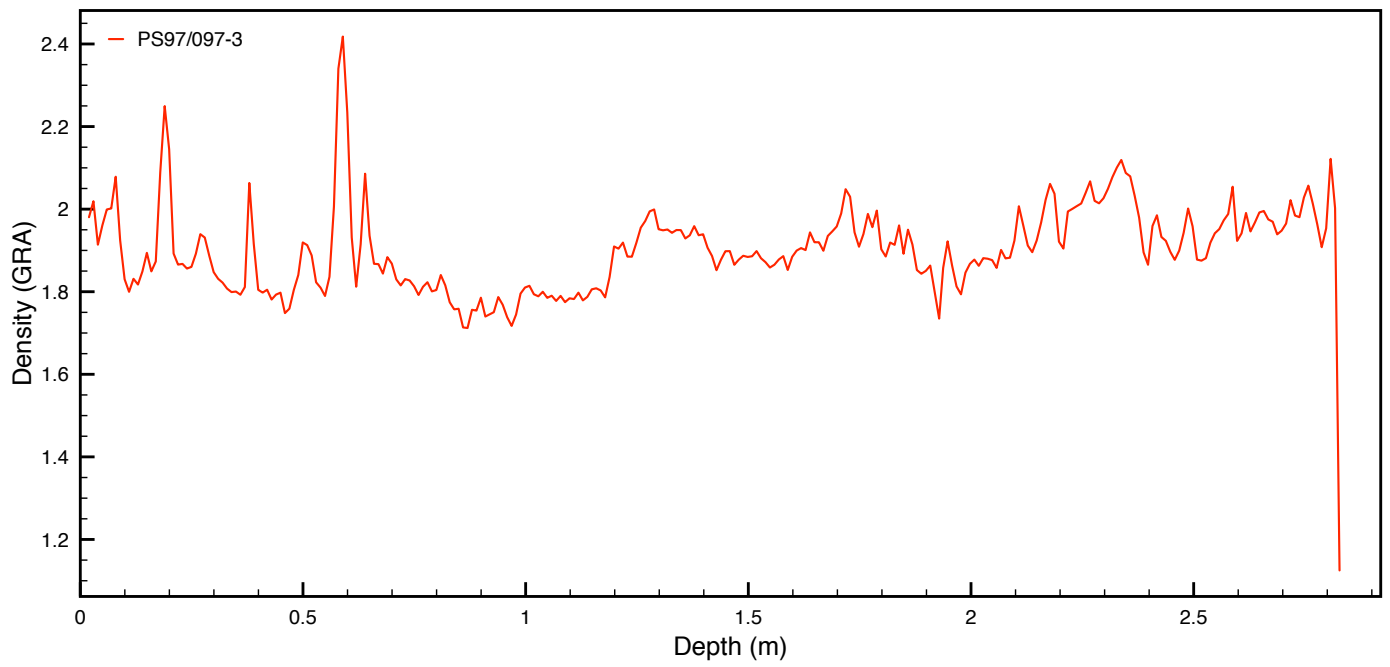
Appendix A.9 Physical Properties



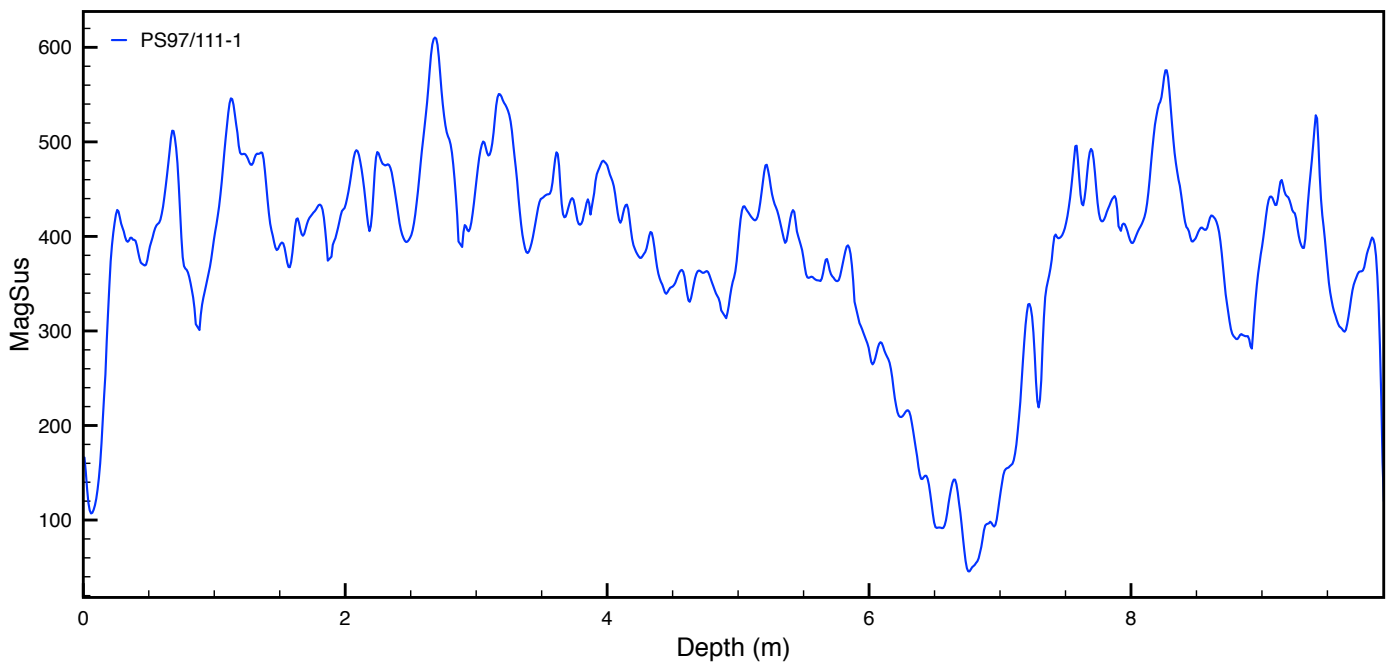
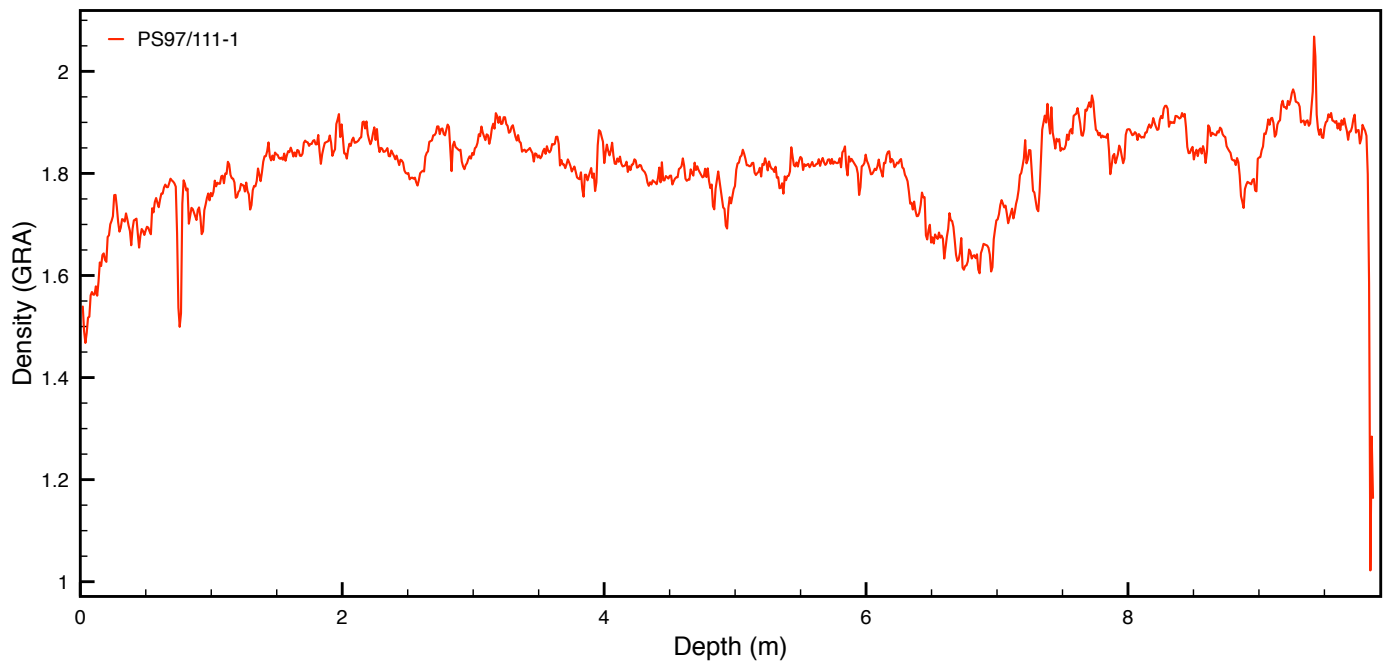
Appendix A.9 Physical Properties



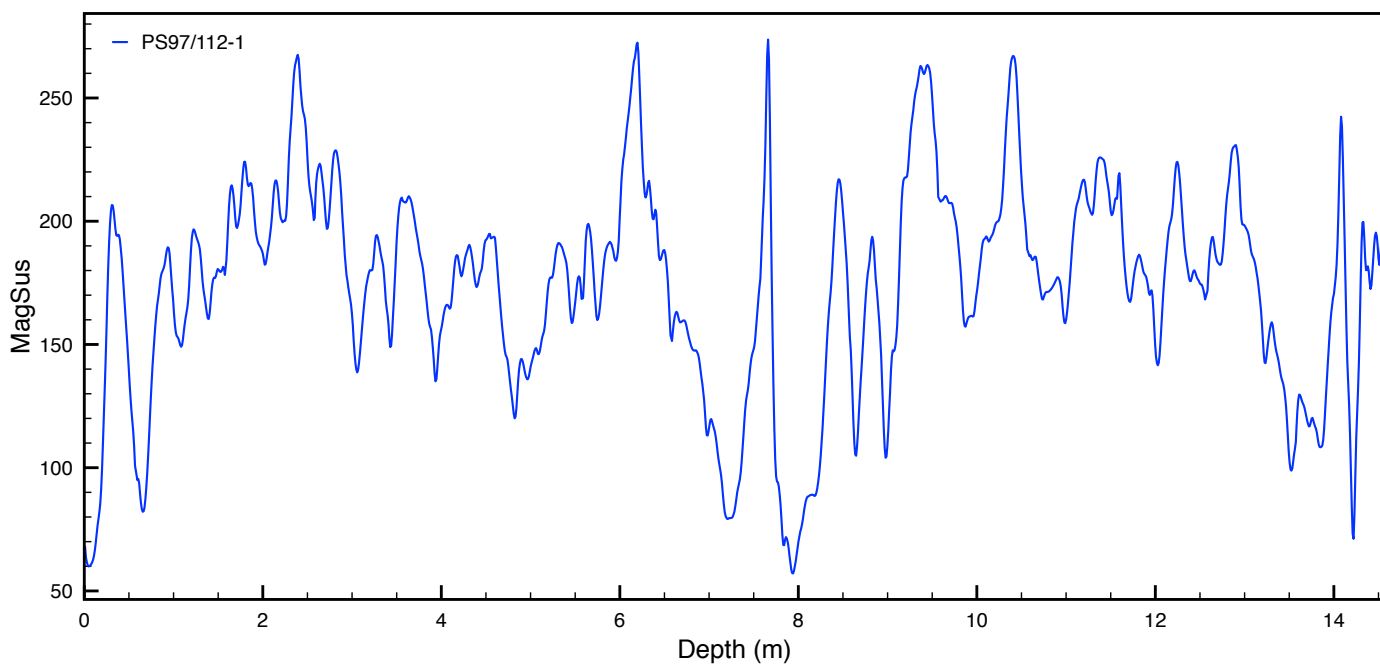
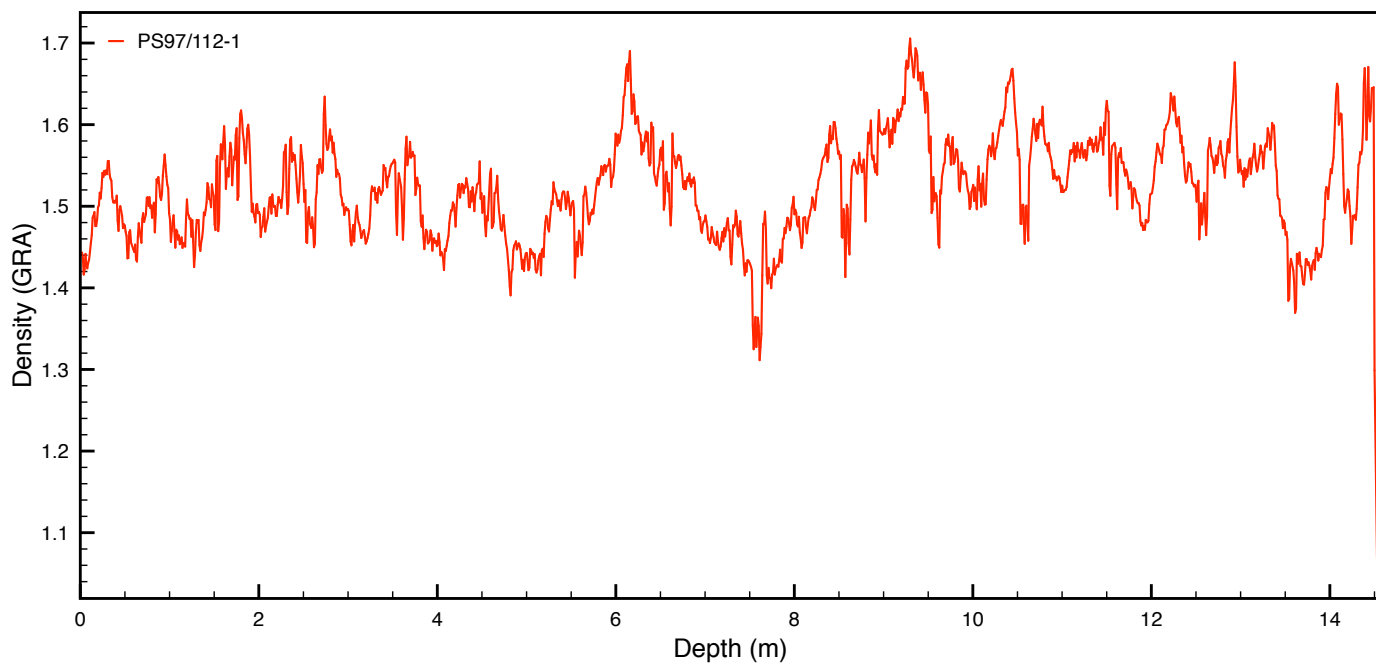
Appendix A.9 Physical Properties



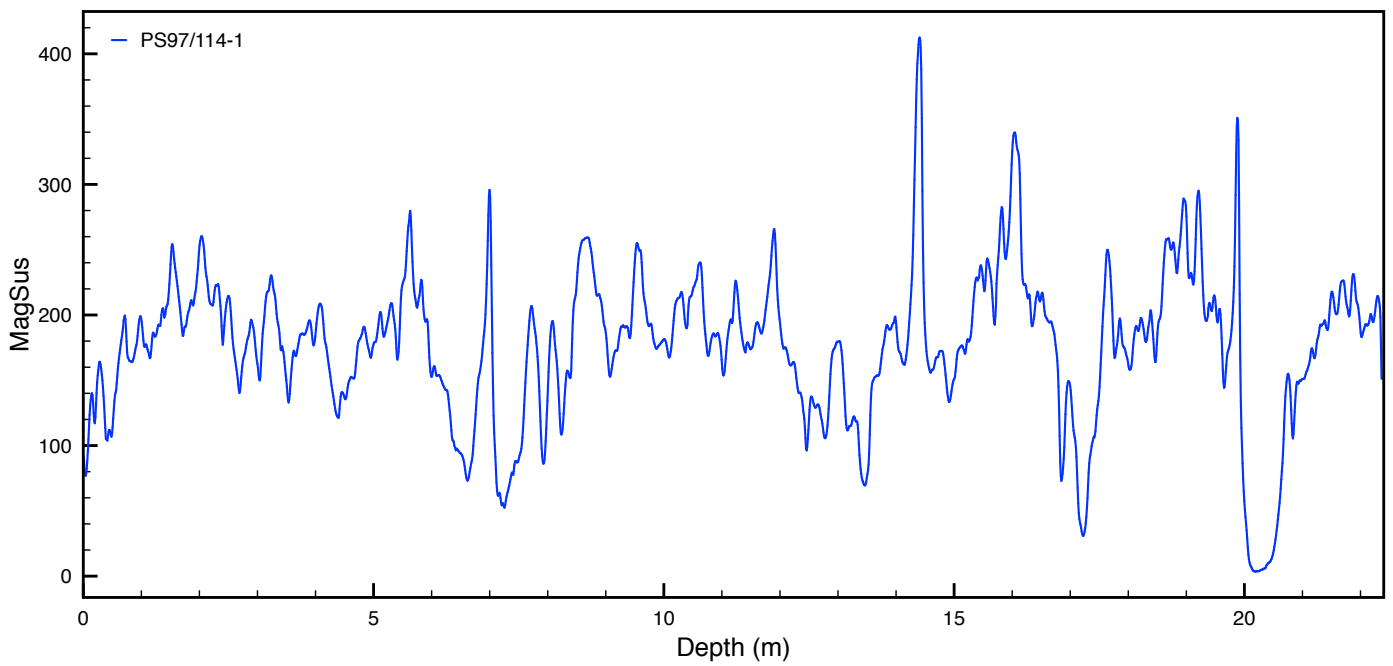
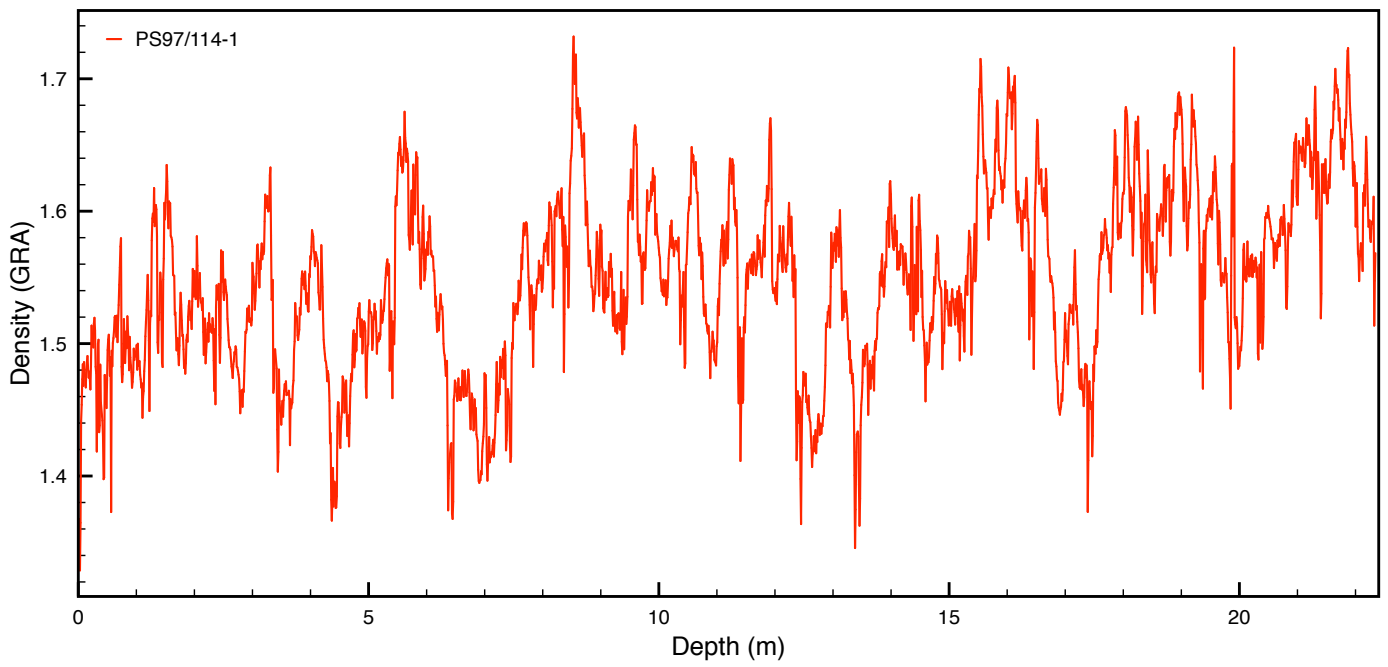
Appendix A.9 Physical Properties



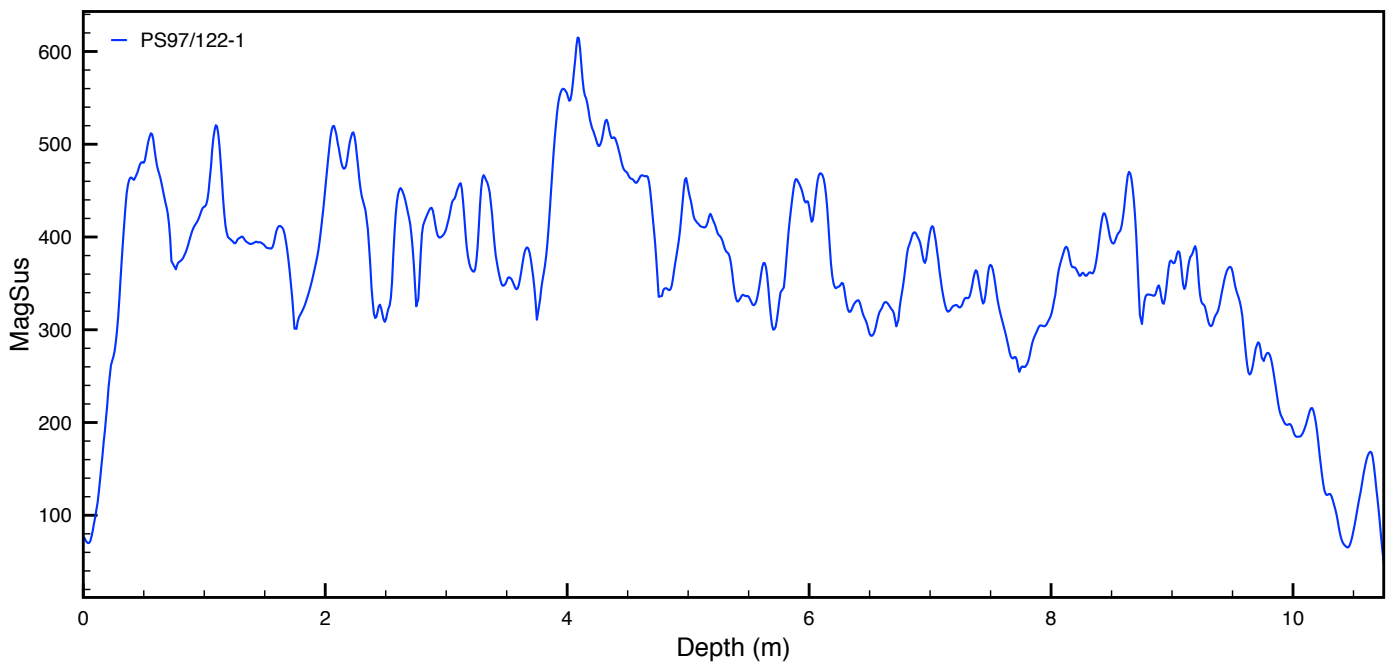
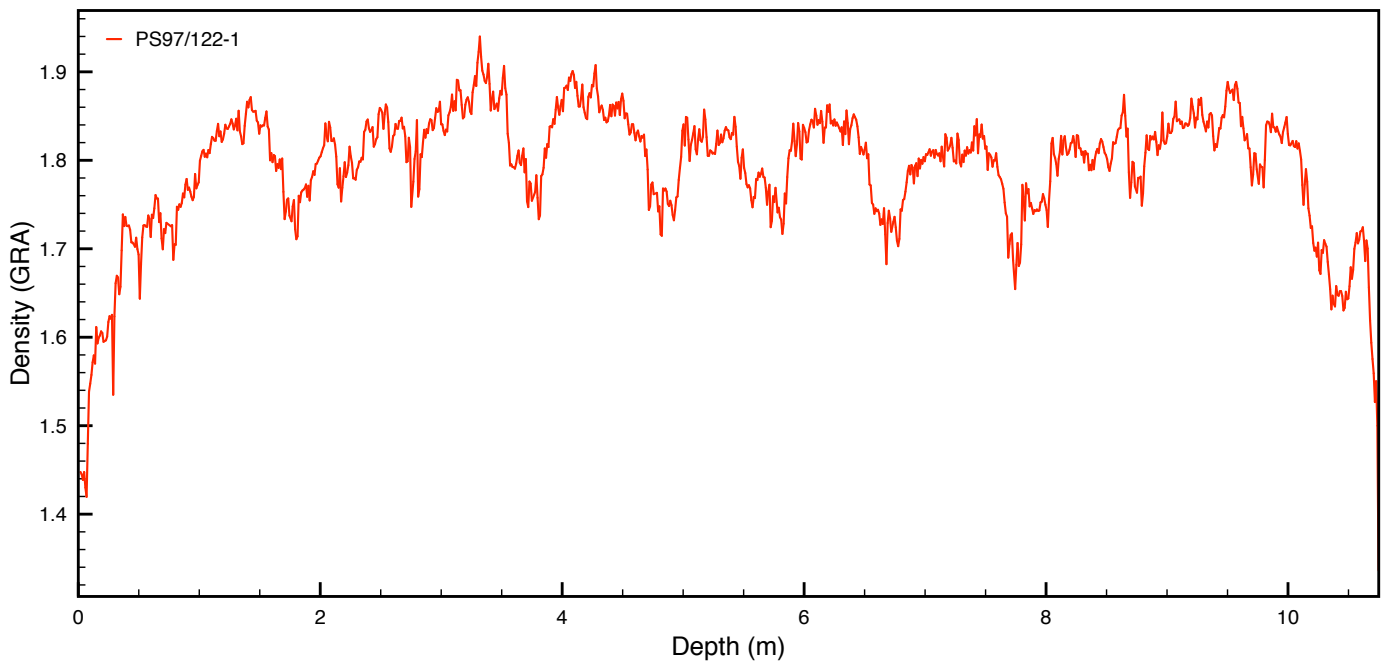
Appendix A.9 Physical Properties



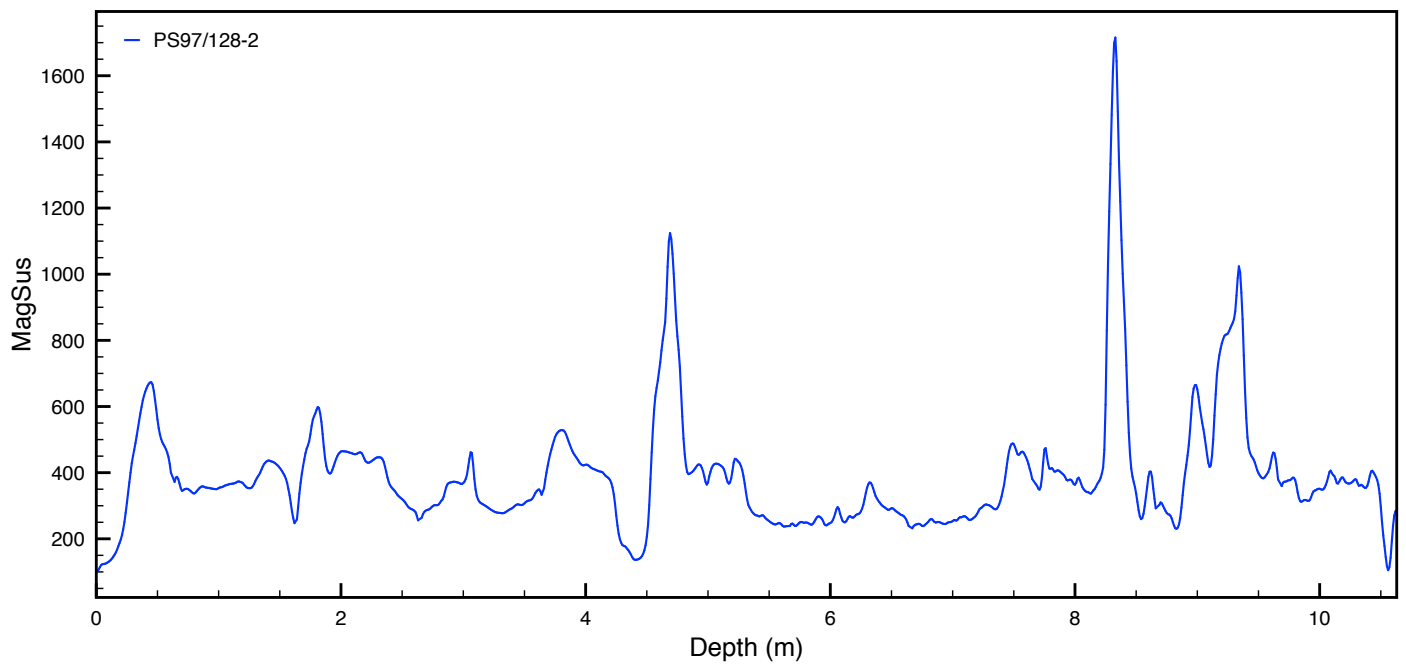
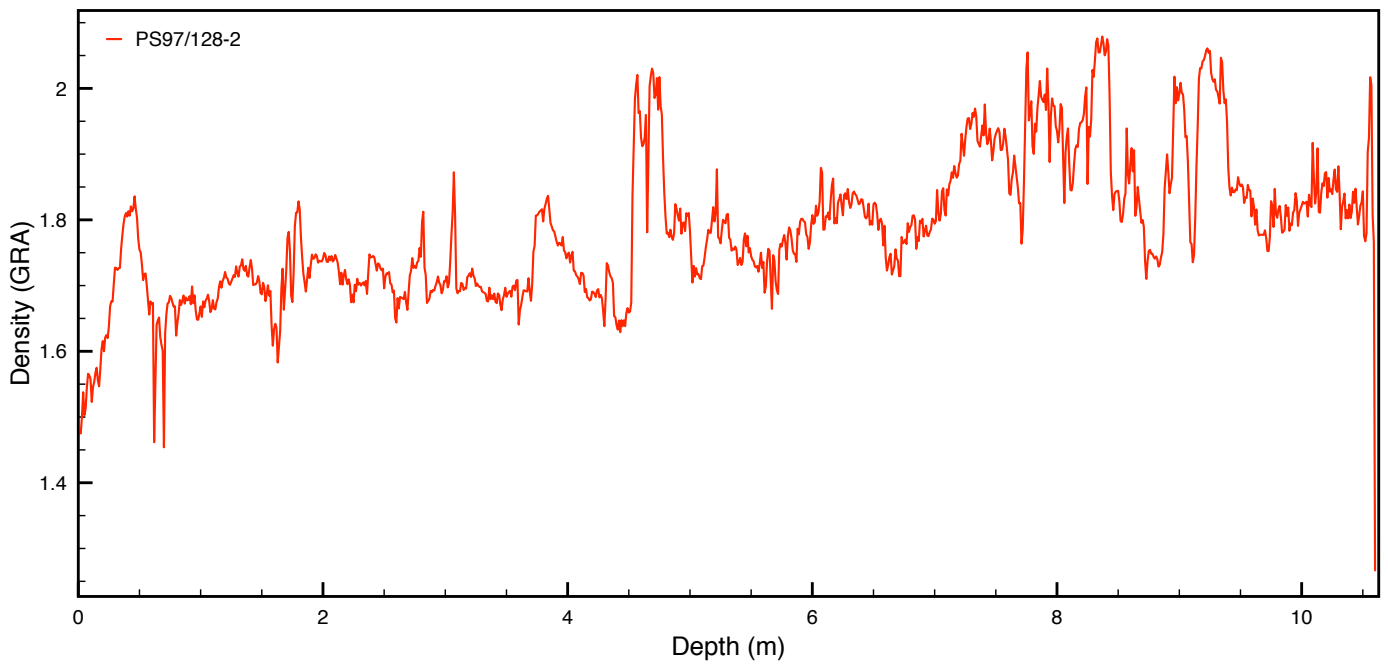
Appendix A.9 Physical Properties



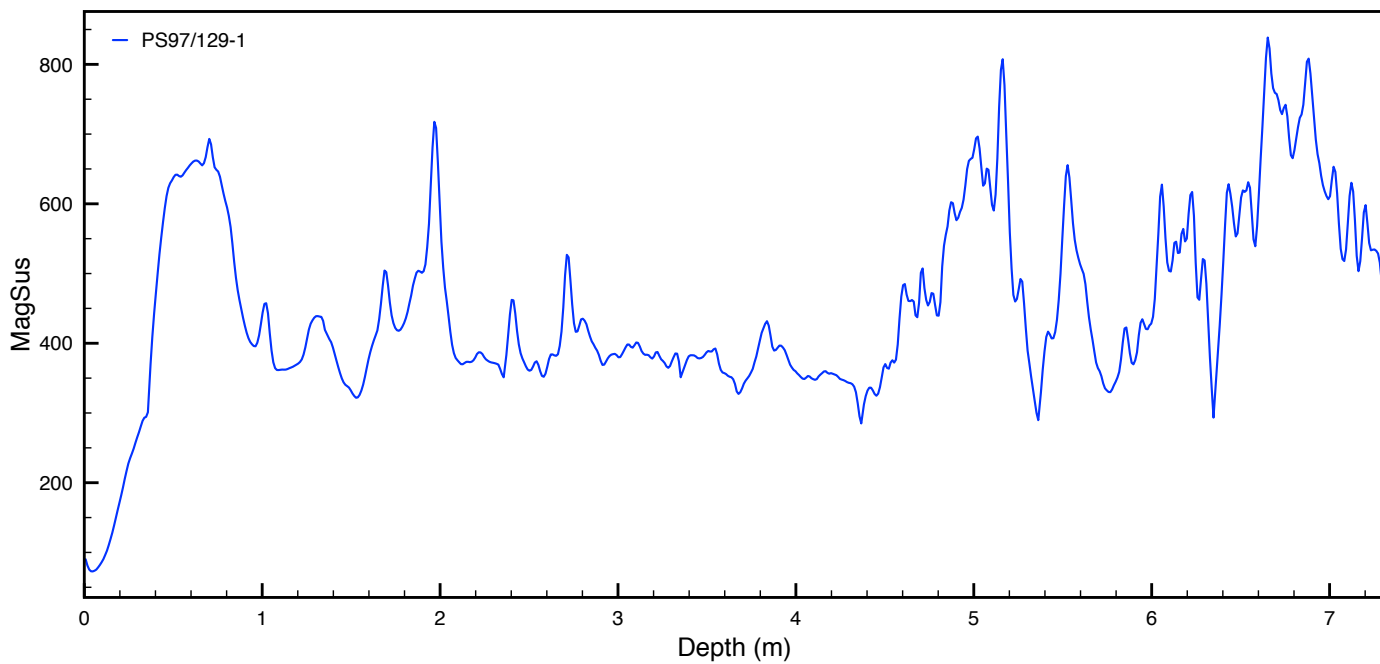
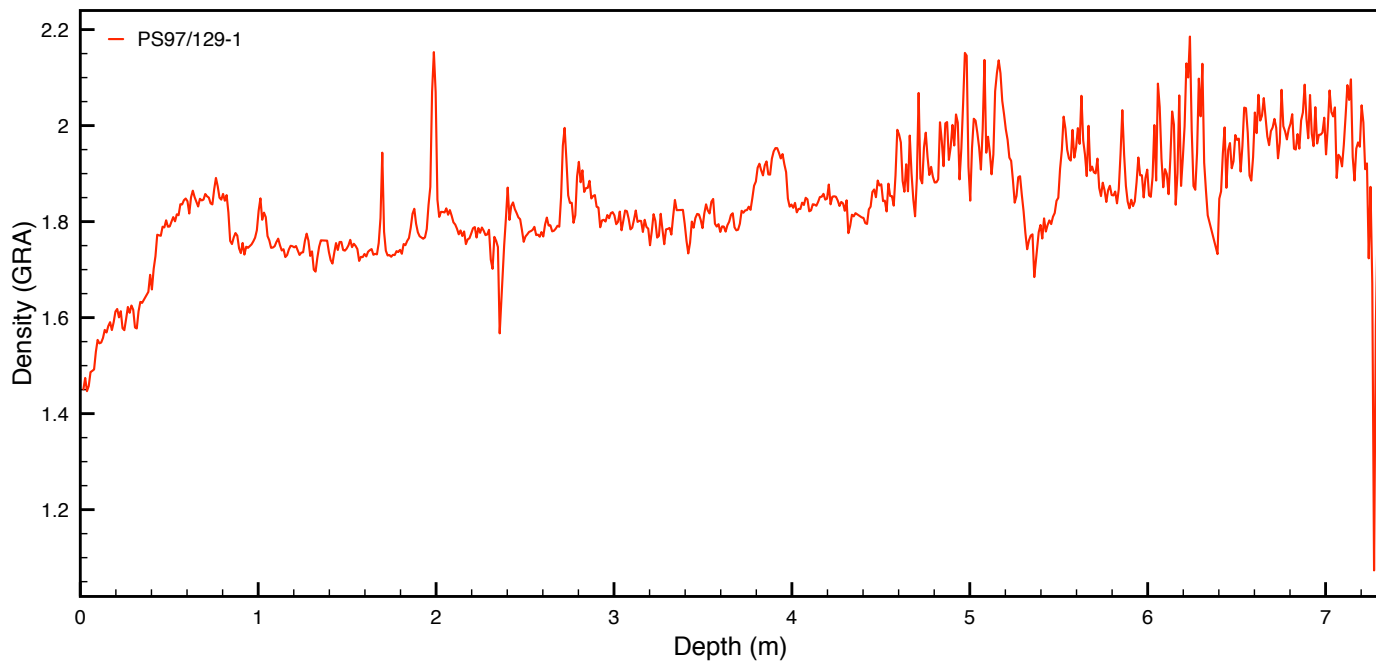
Appendix A.9 Physical Properties



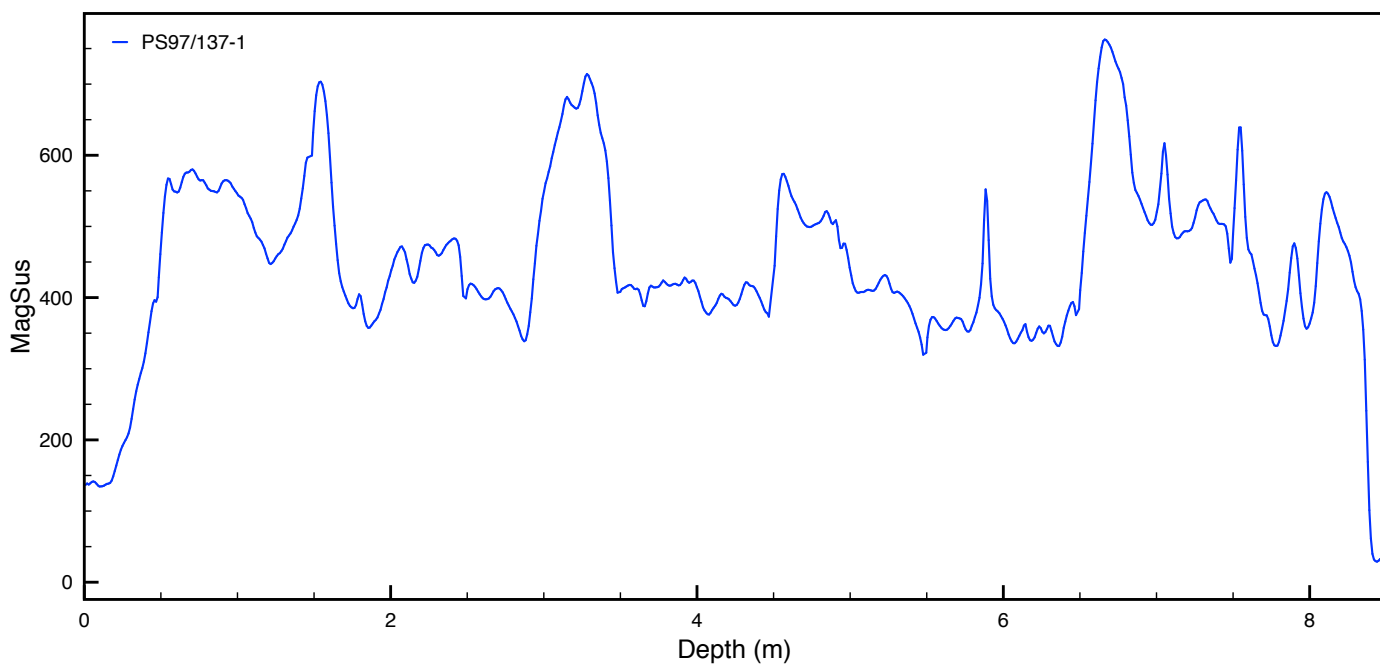
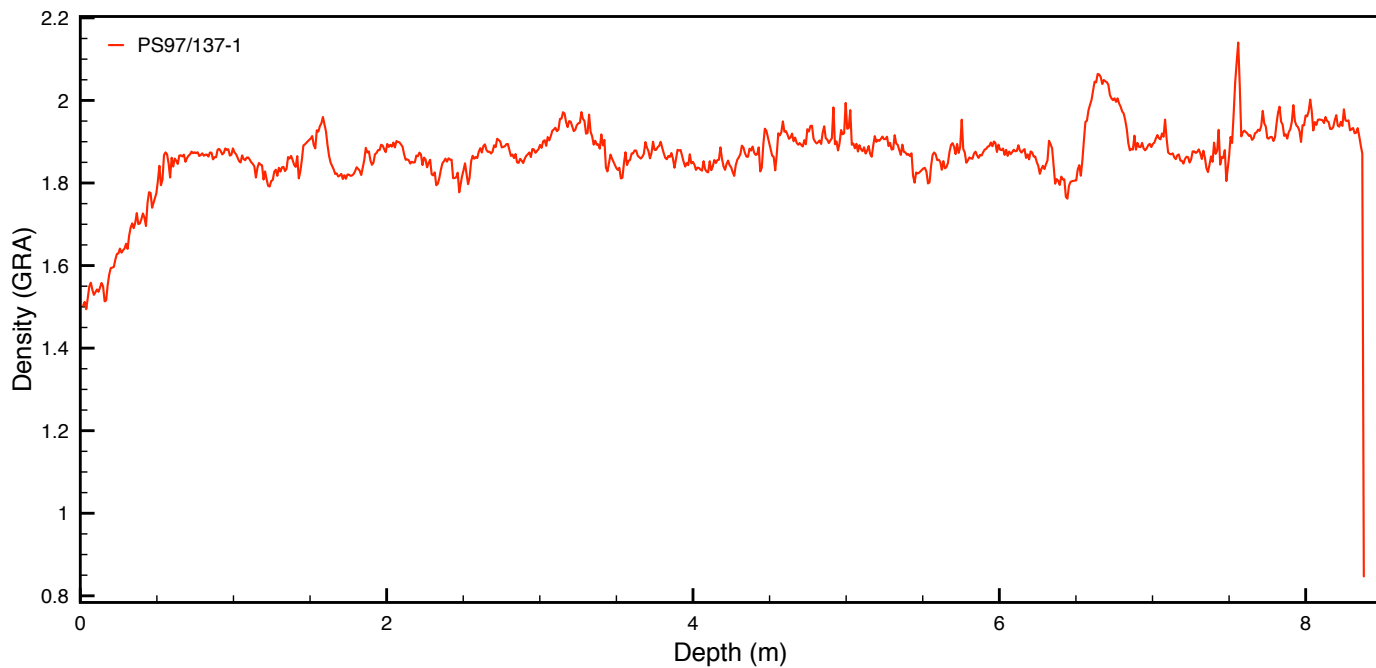
Appendix A.9 Physical Properties



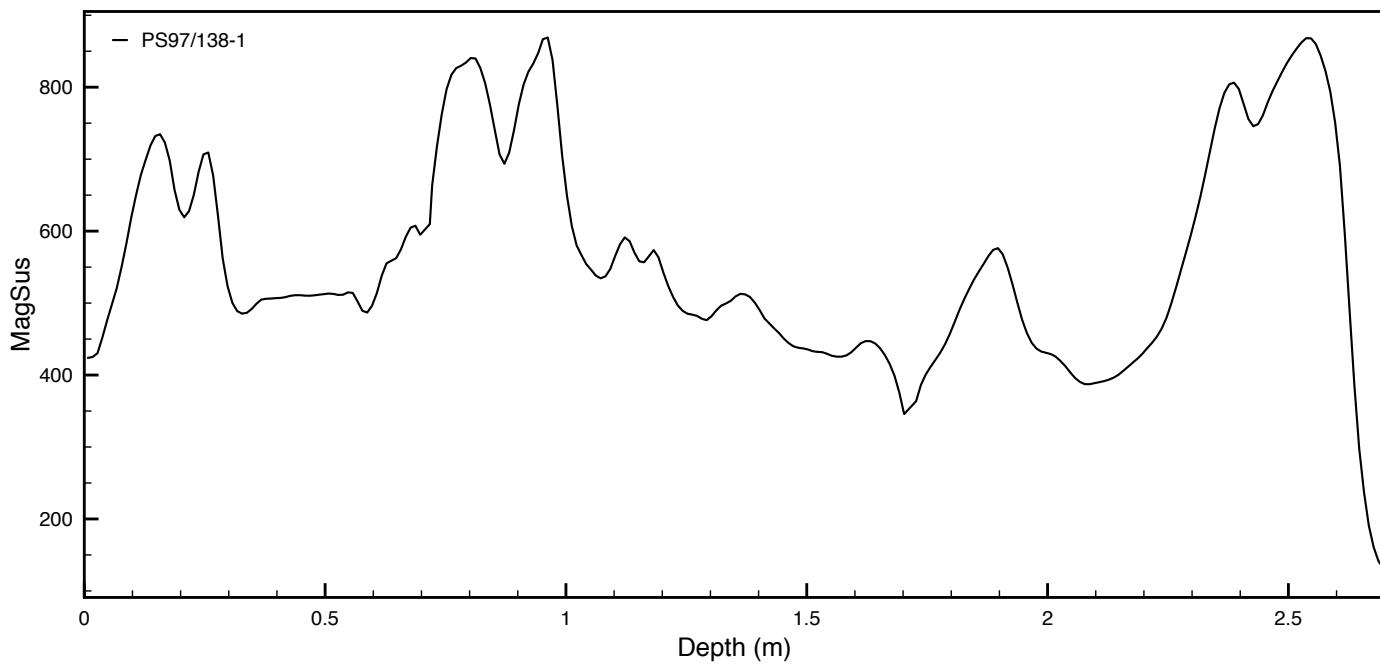
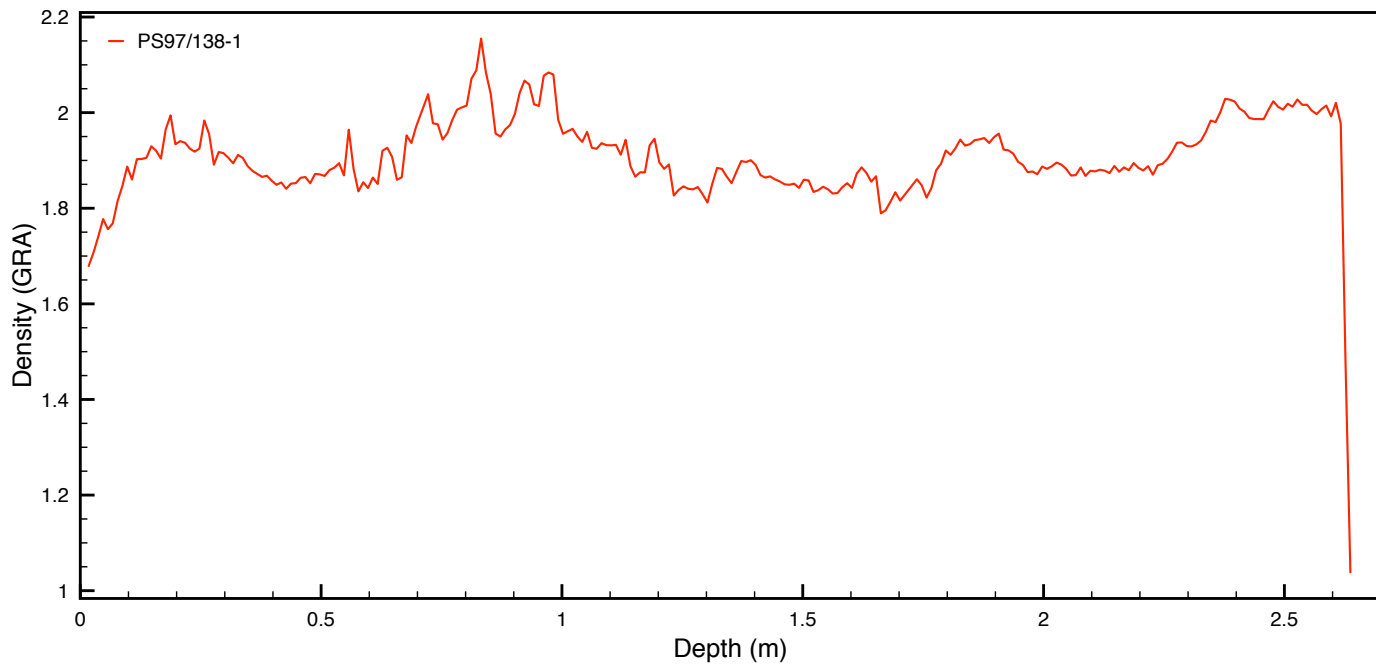
Appendix A.9 Physical Properties



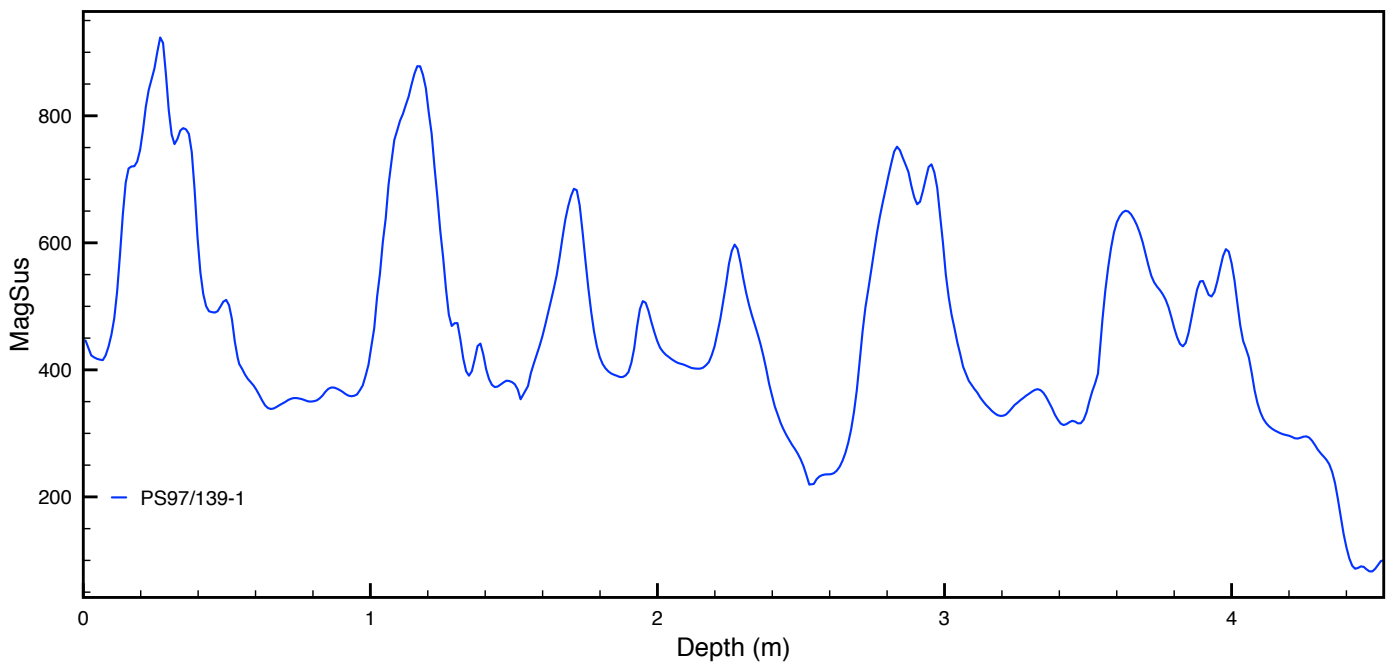
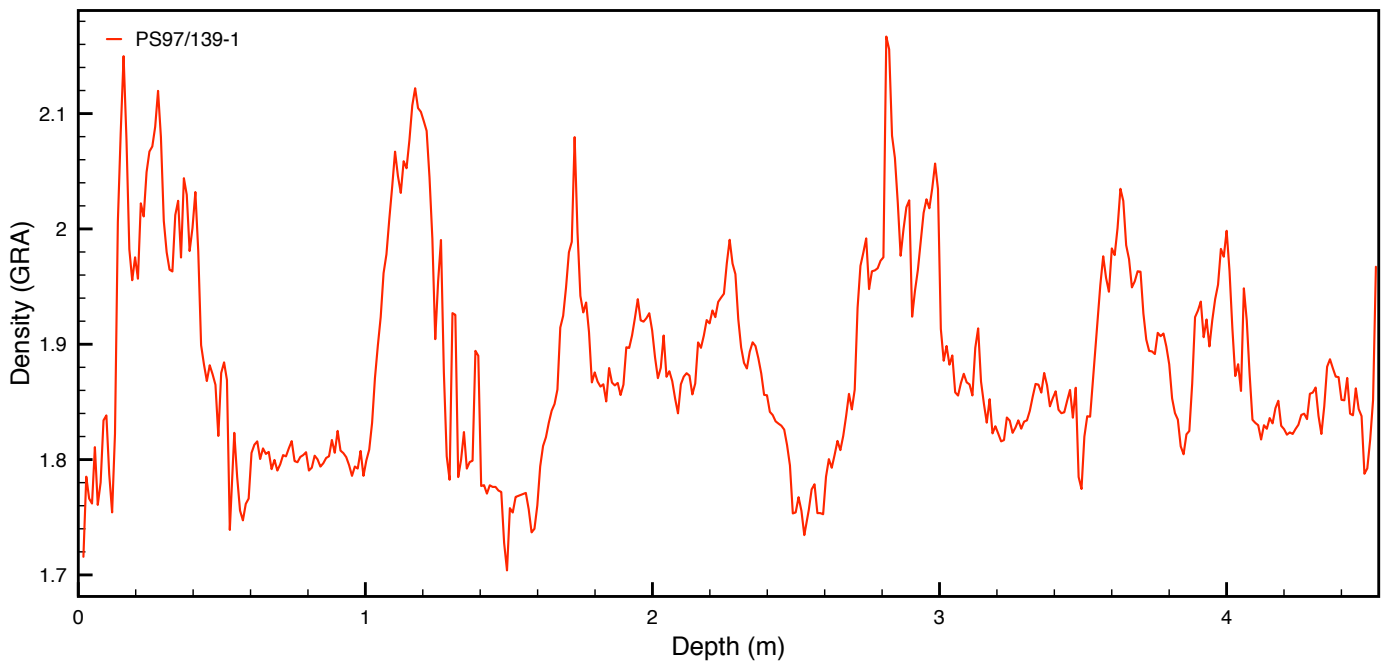
Appendix A.9 Physical Properties



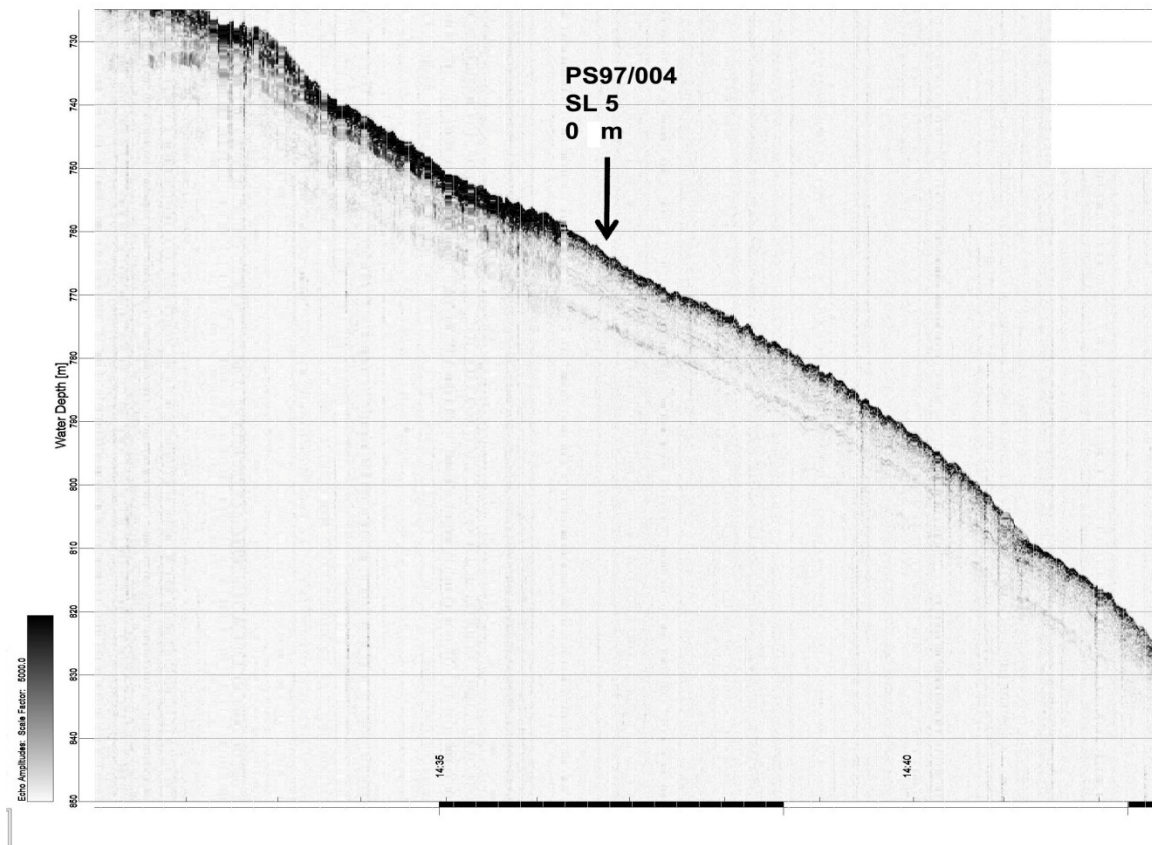
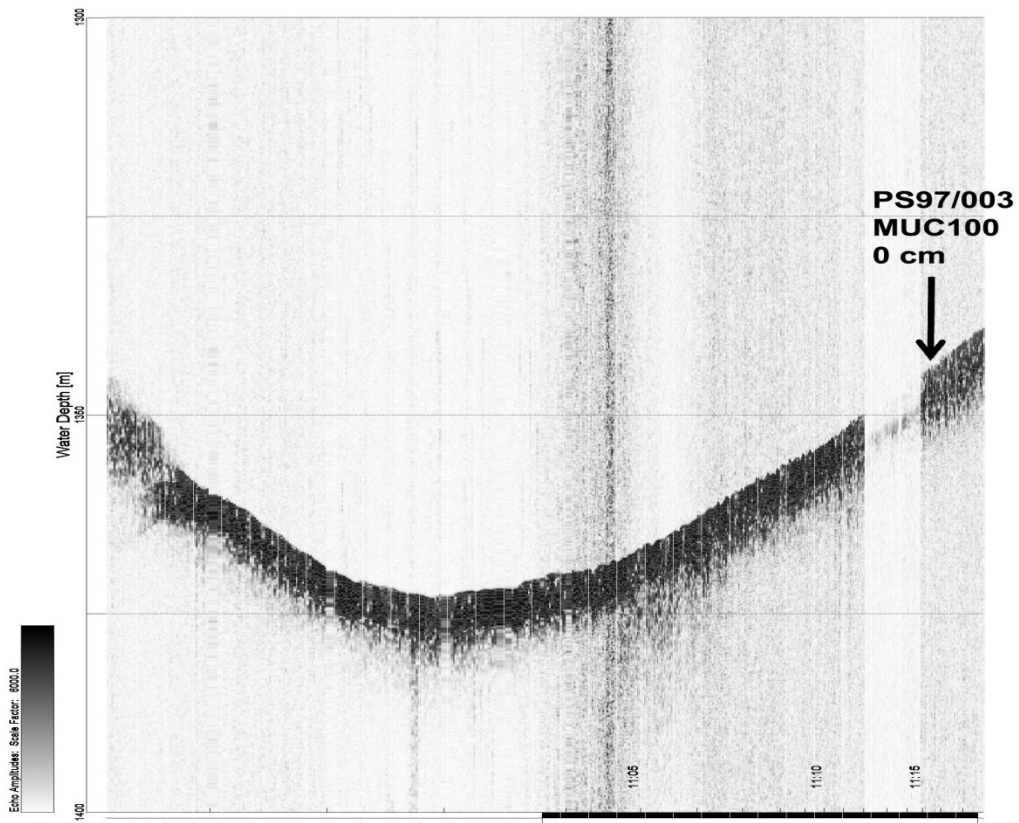
Appendix A.9 Physical Properties



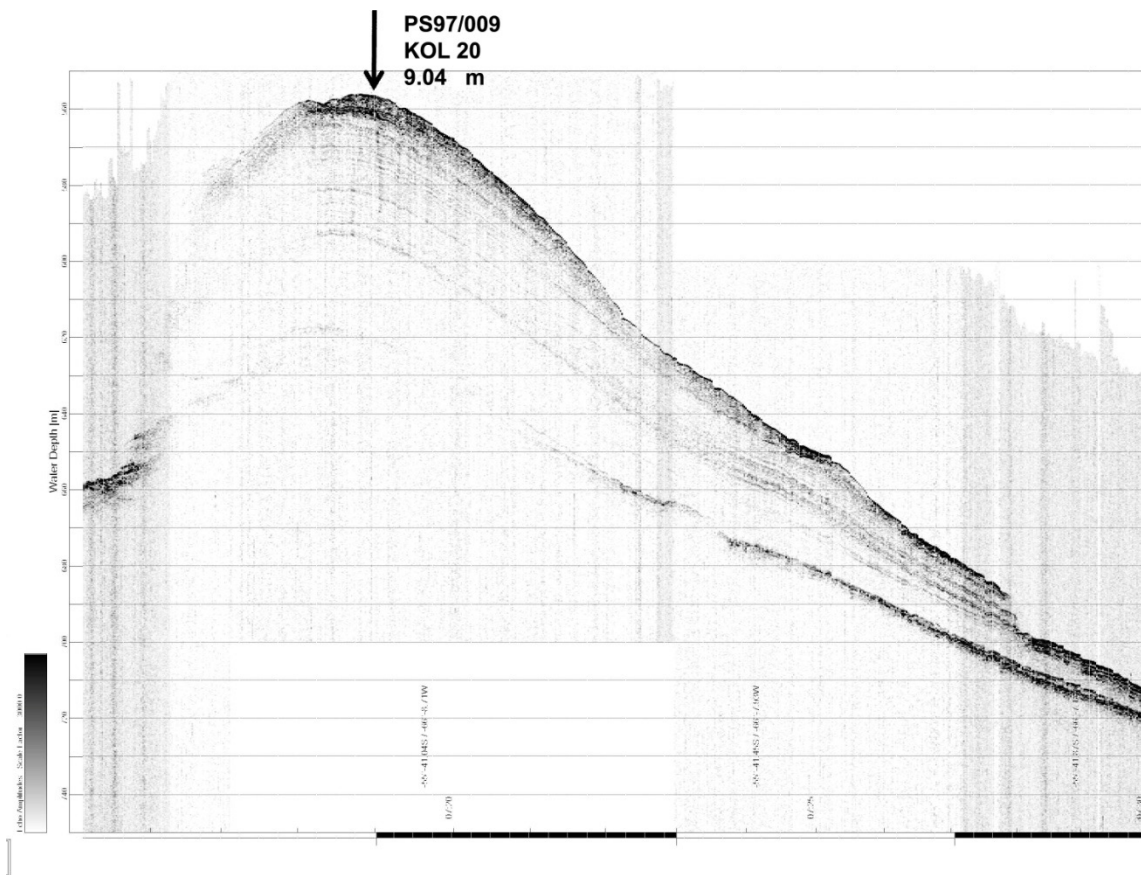
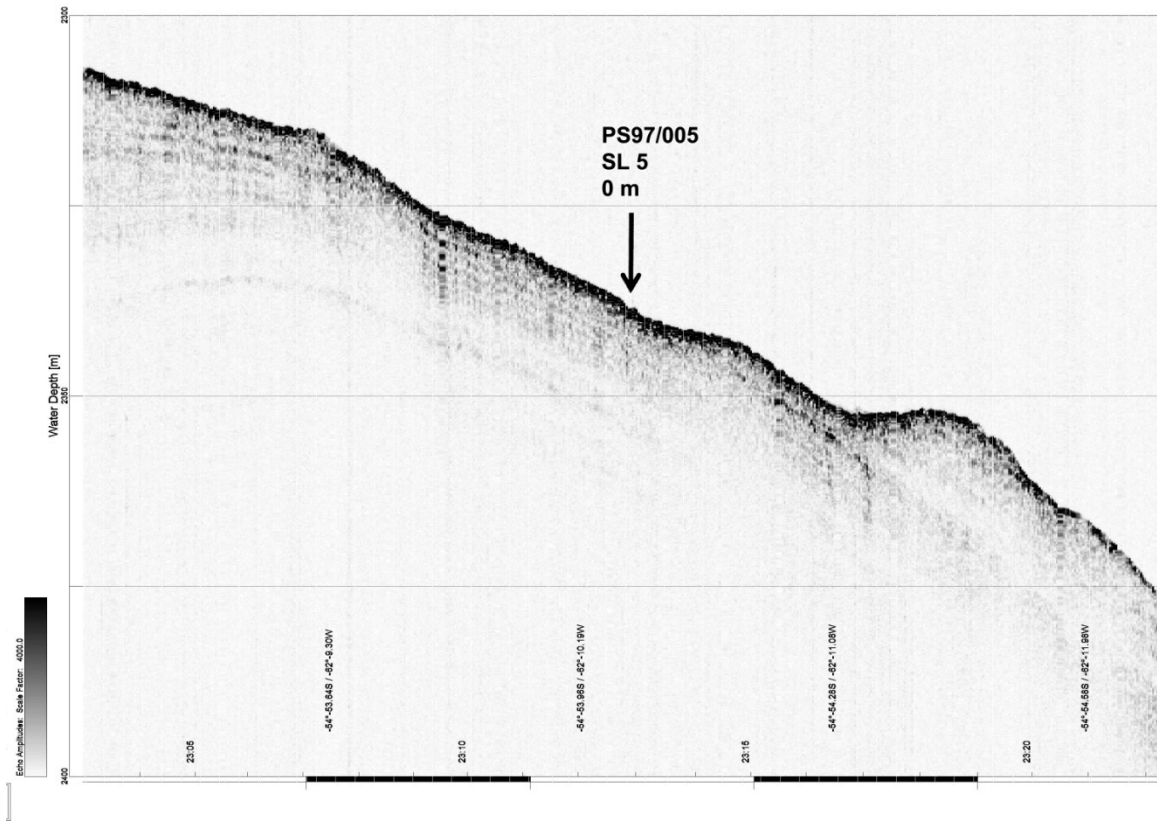
Appendix A.9 Physical Properties



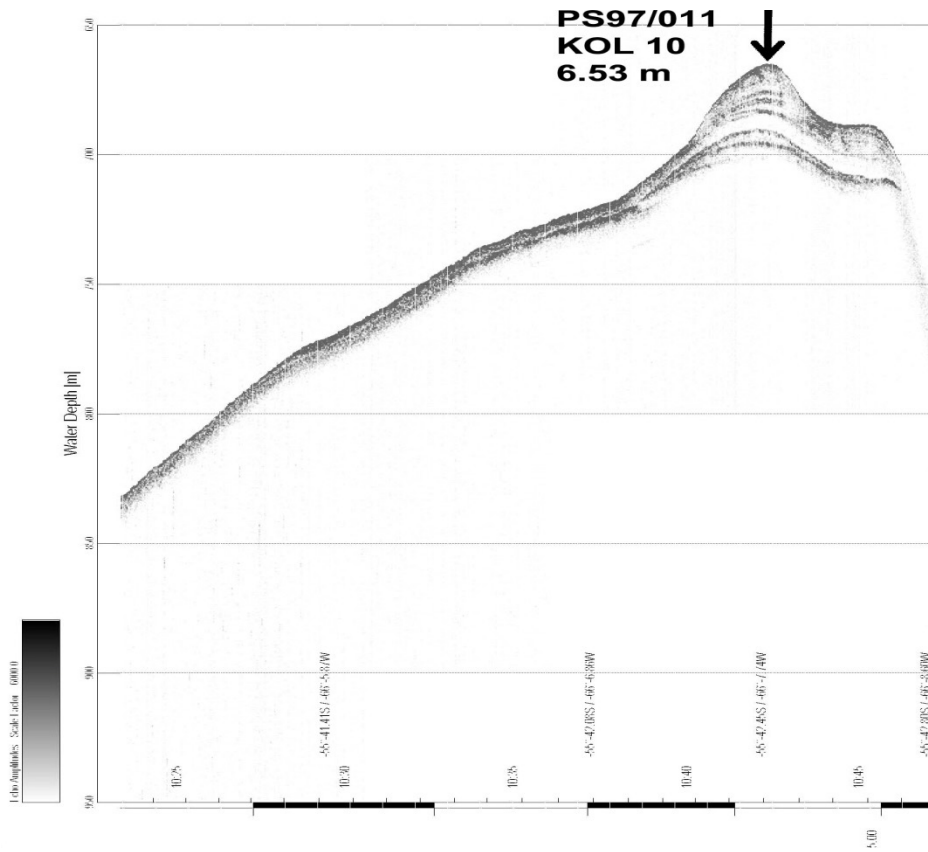
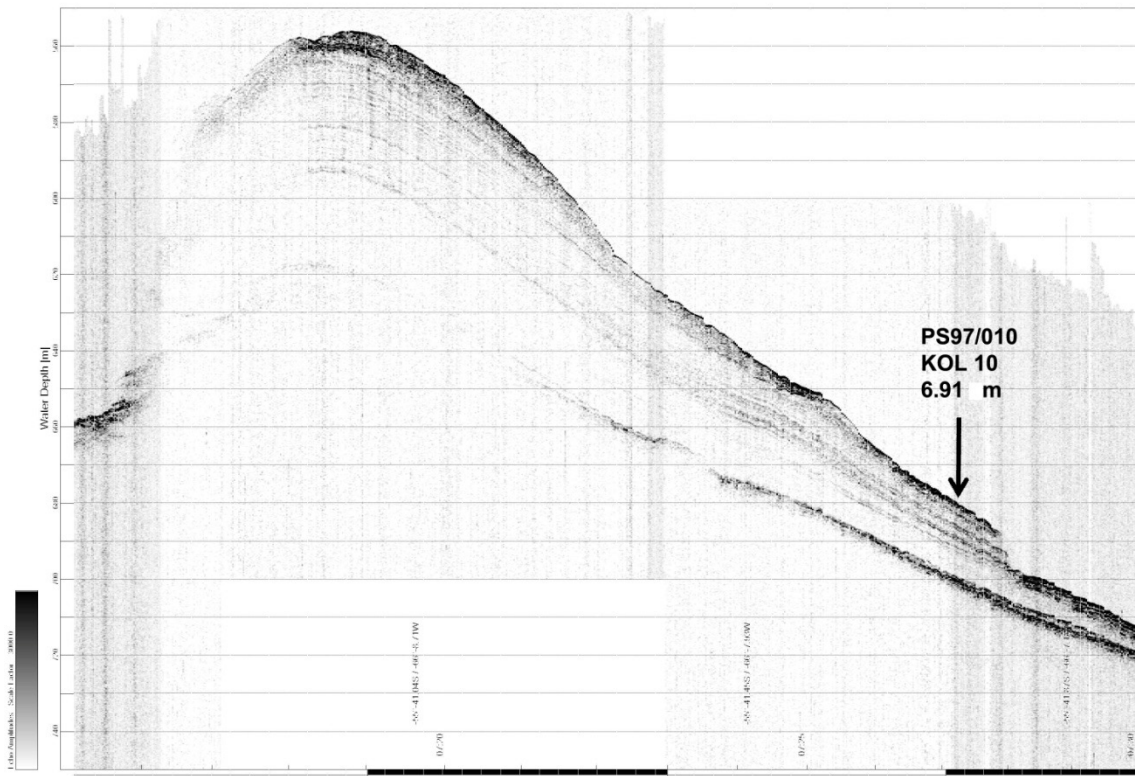
Appendix A.10 PARASOUND profiles



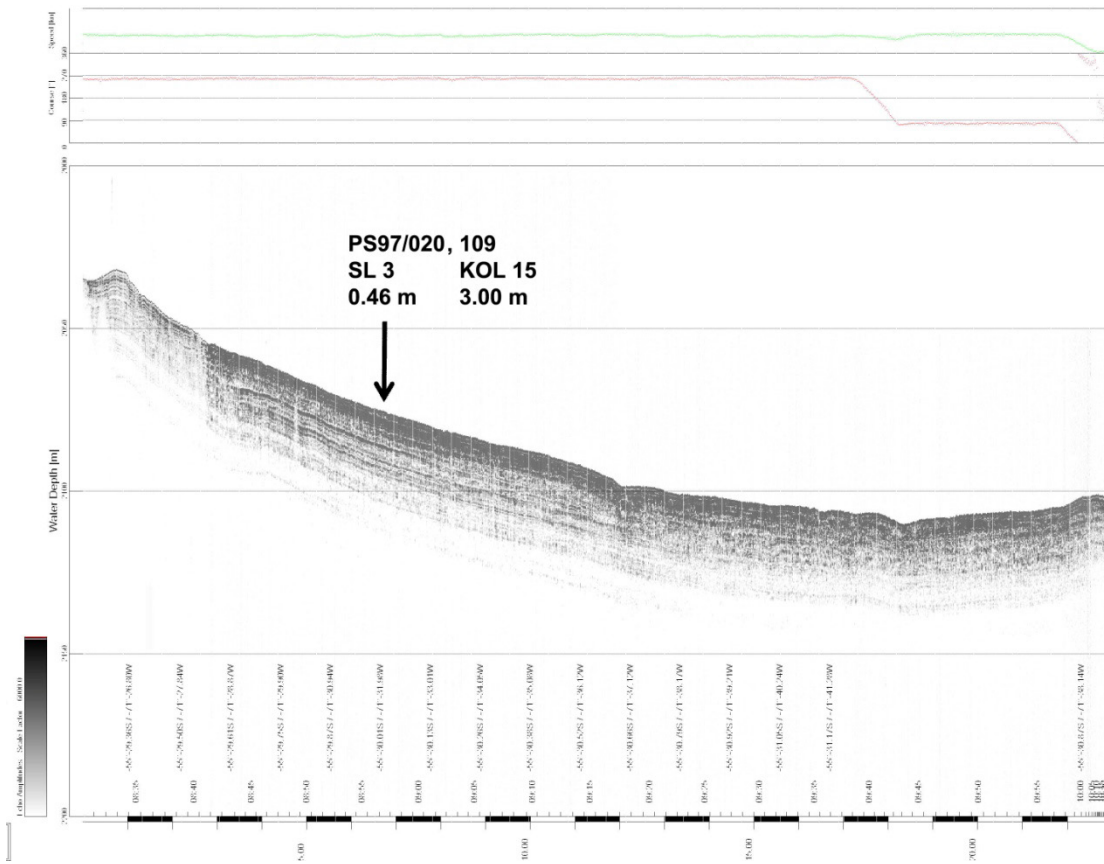
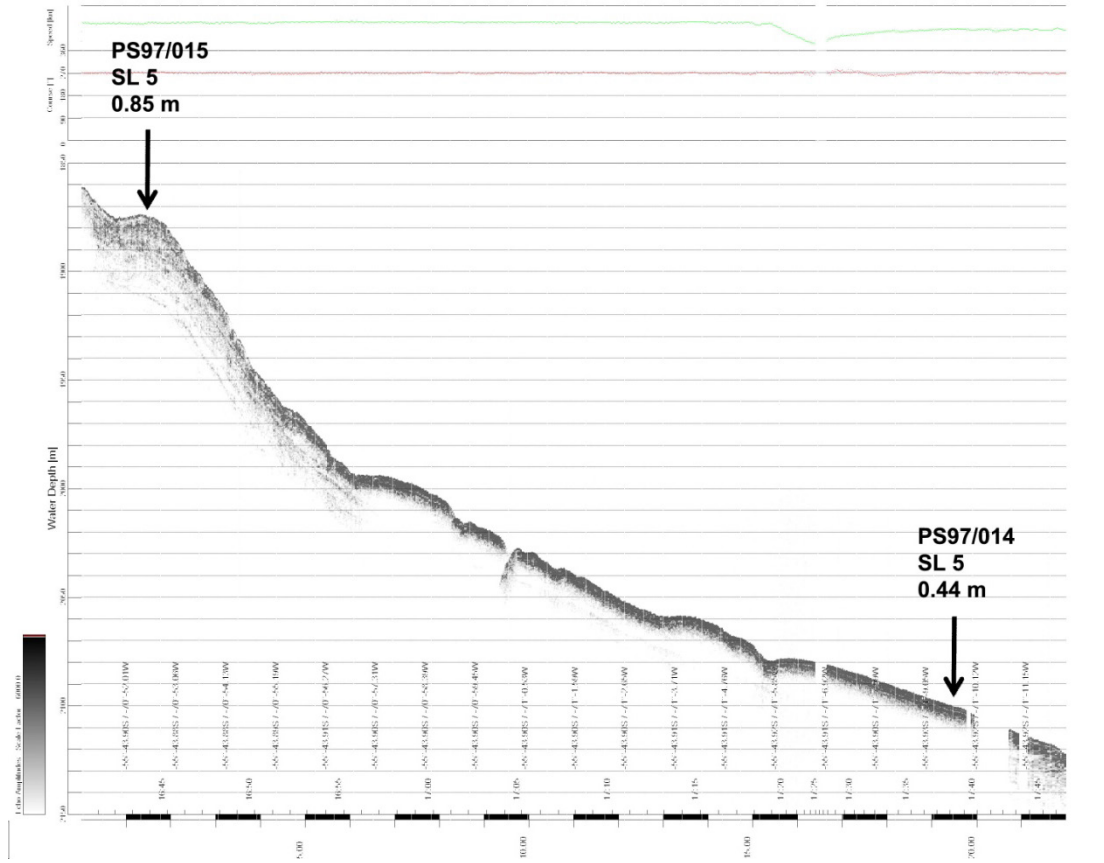
Appendix A.10 PARASOUND profiles



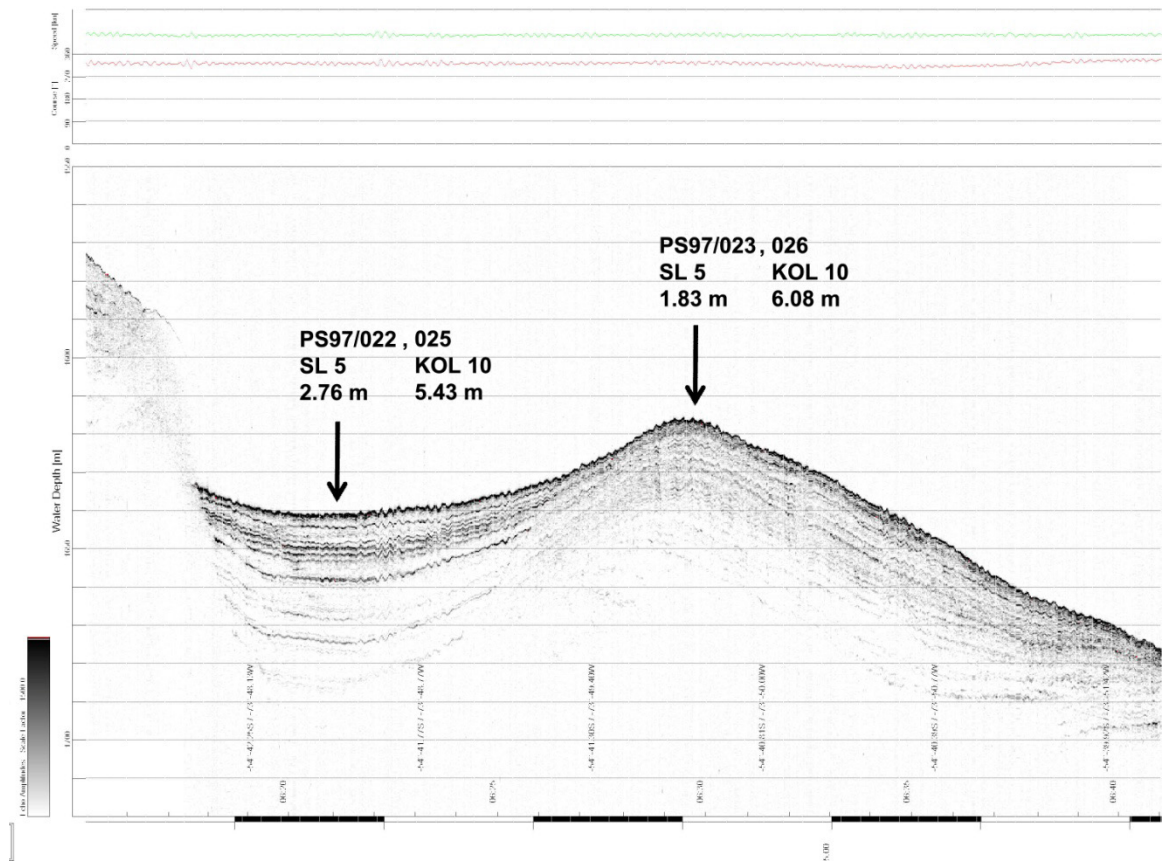
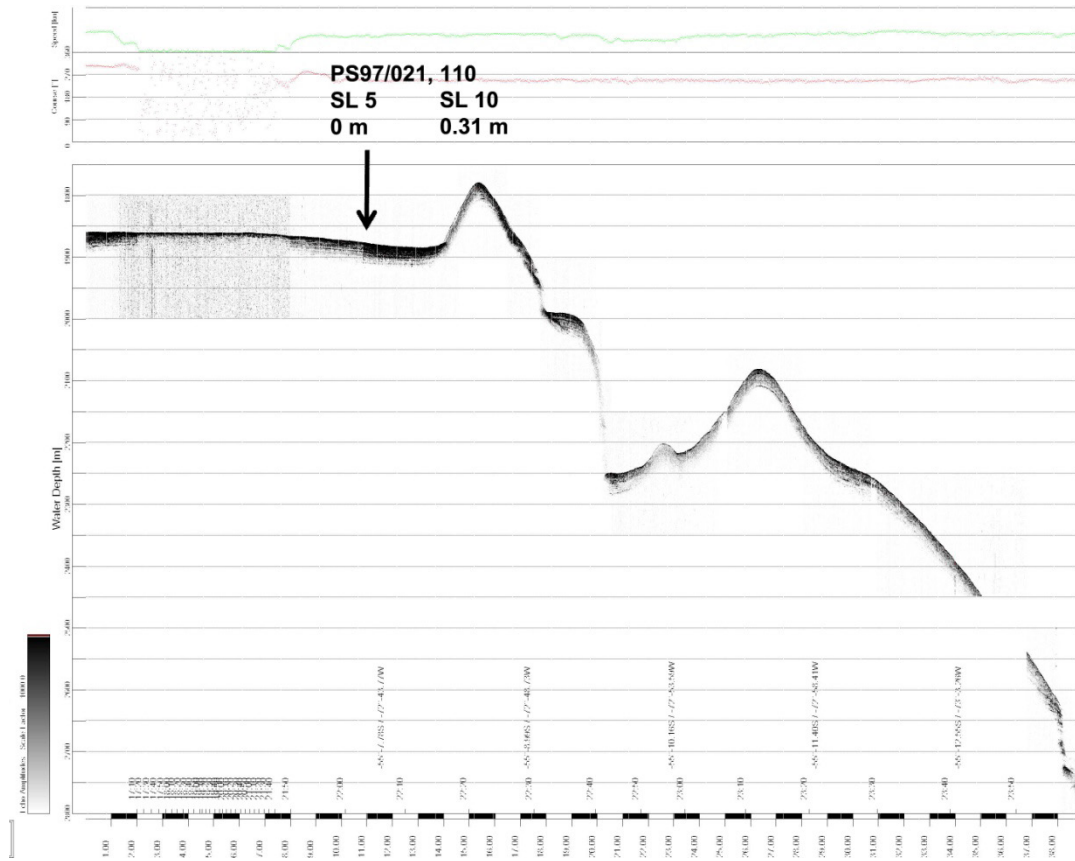
Appendix A.10 PARASOUND profiles



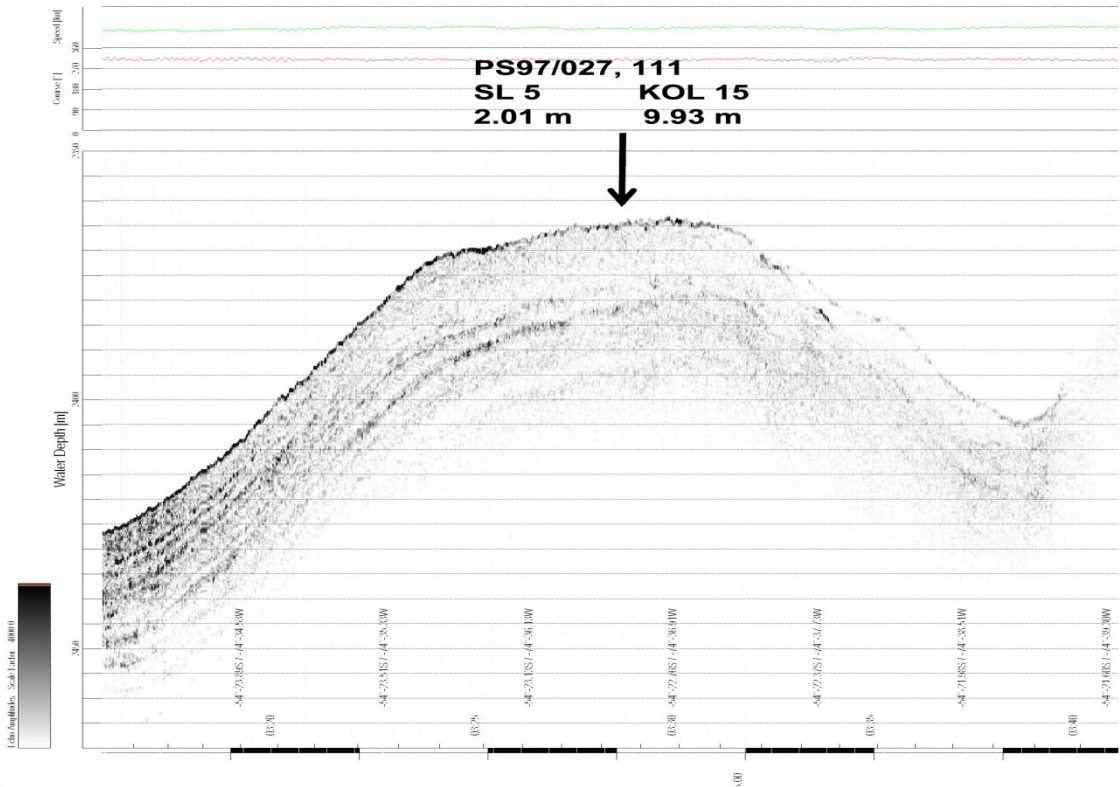
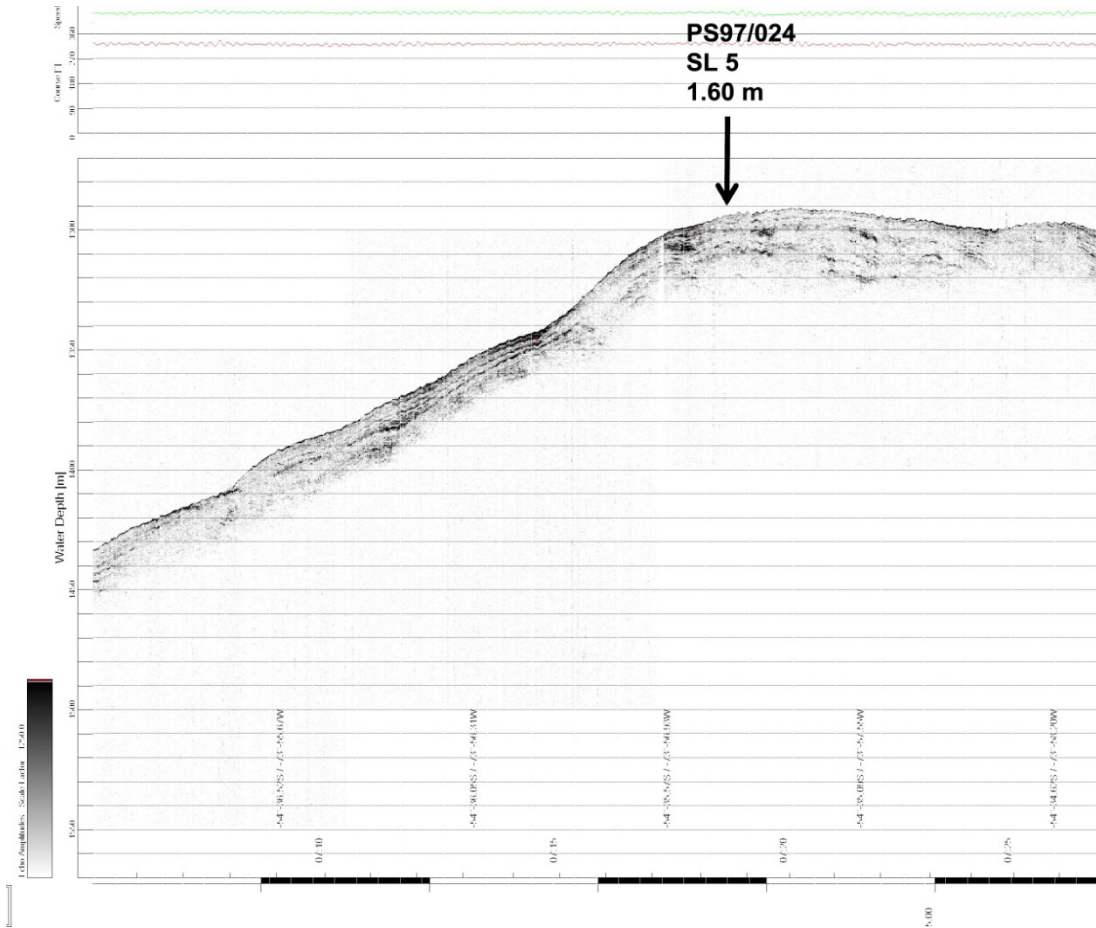
Appendix A.10 PARASOUND profiles



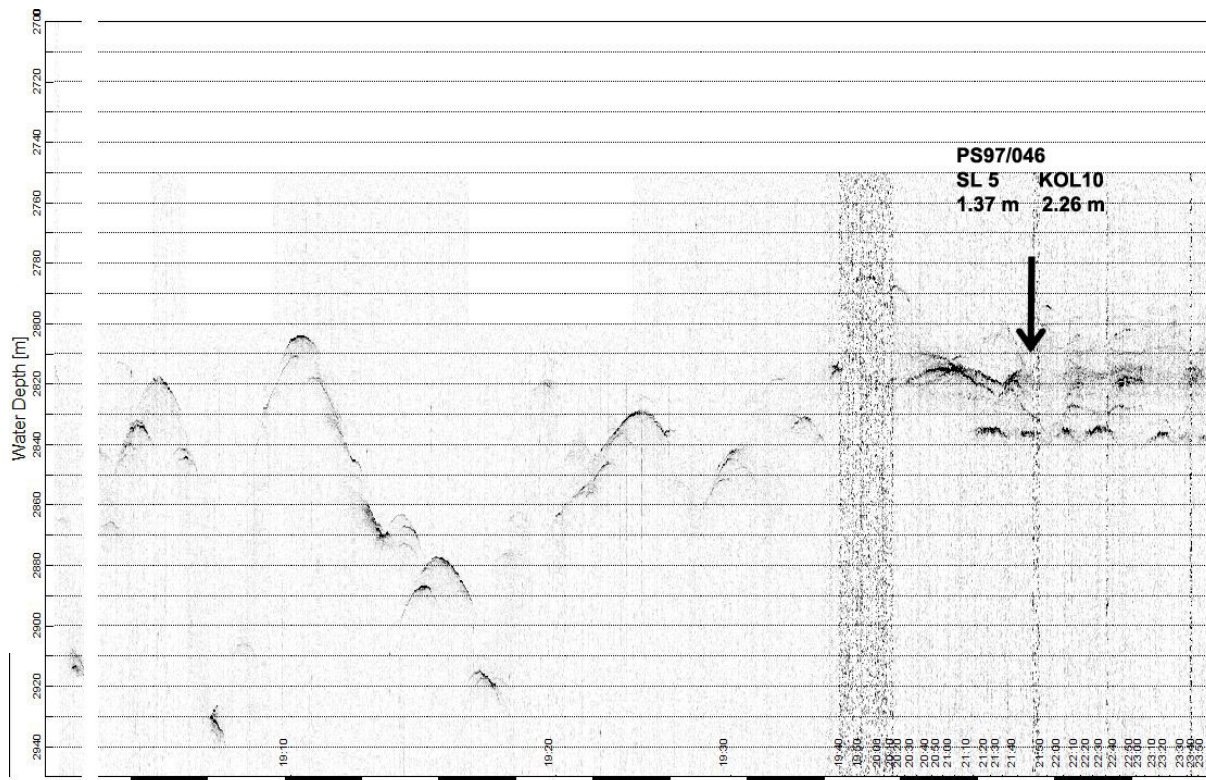
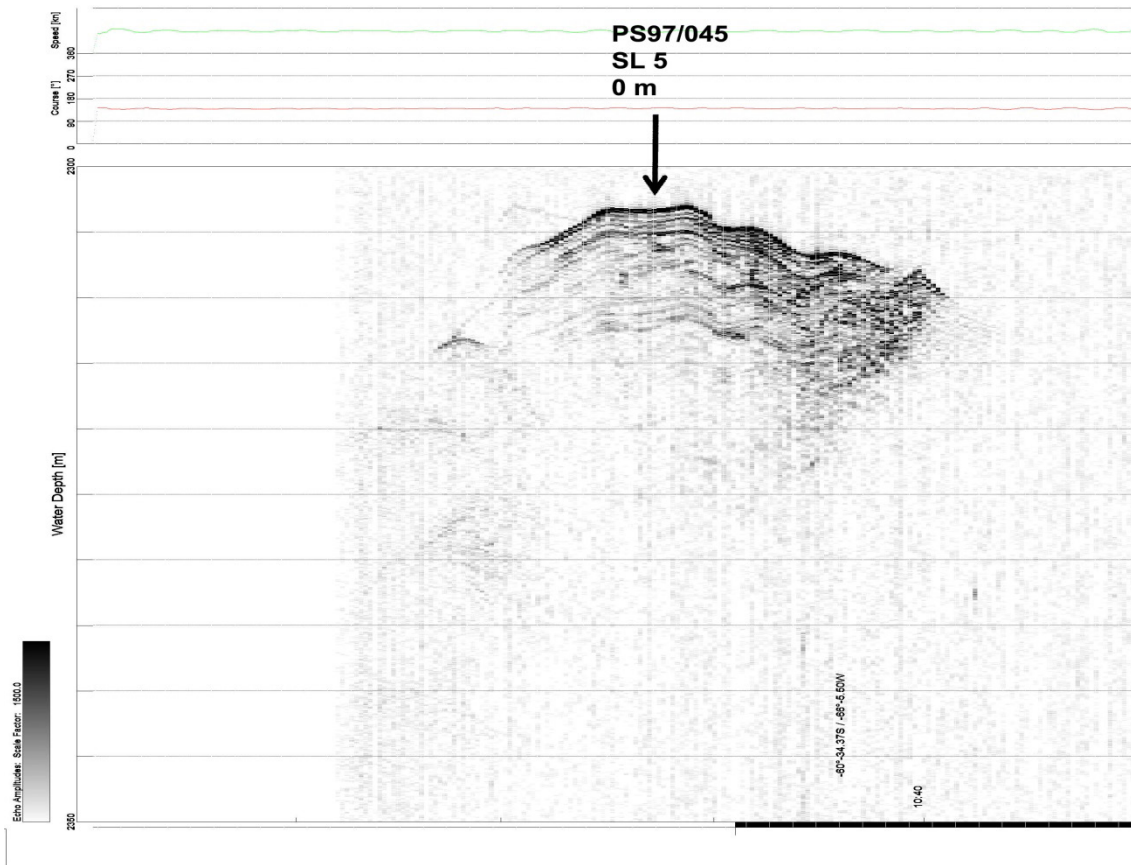
Appendix A.10 PARASOUND profiles



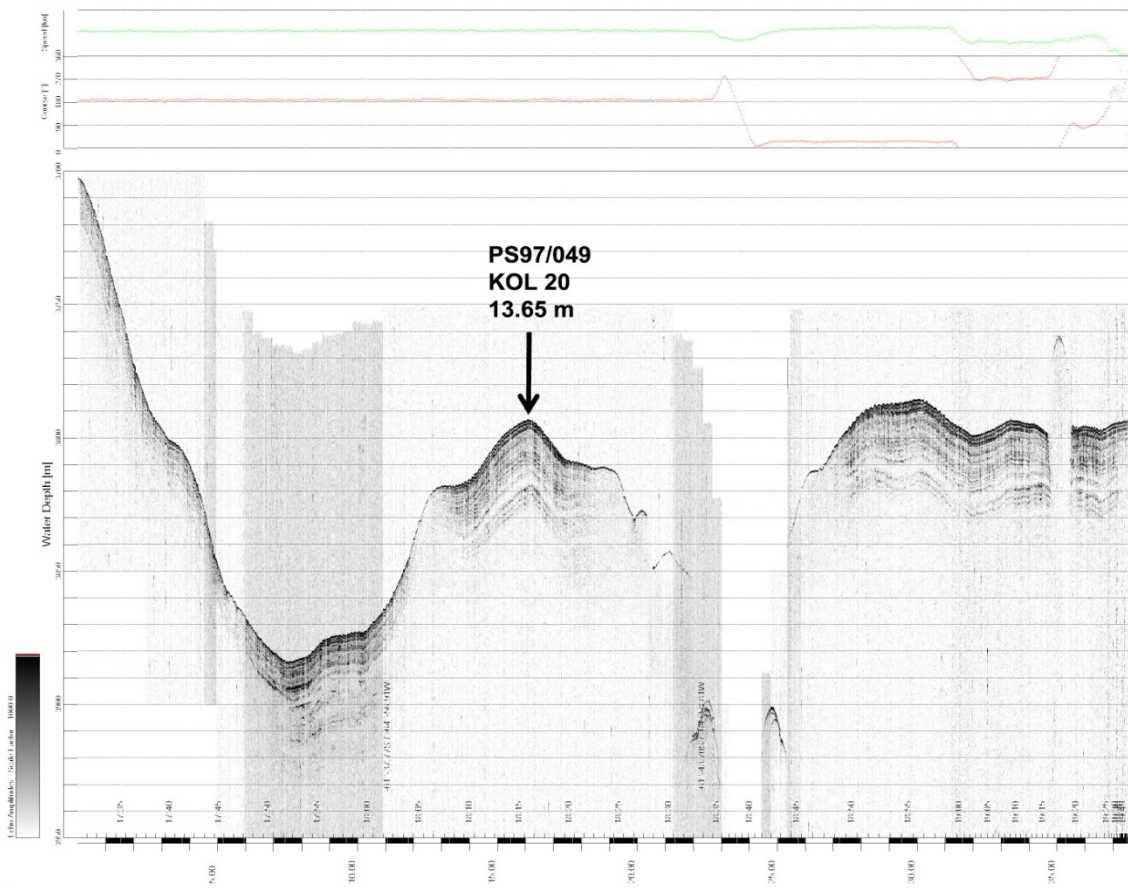
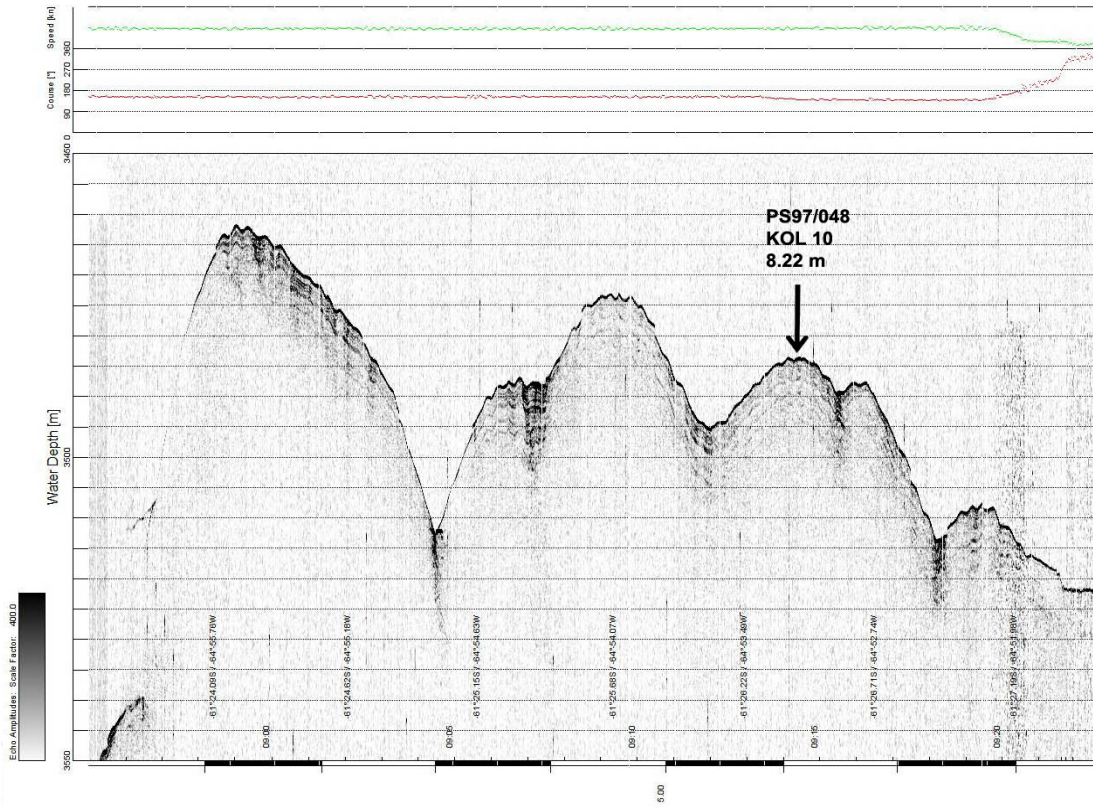
Appendix A.10 PARASOUND profiles



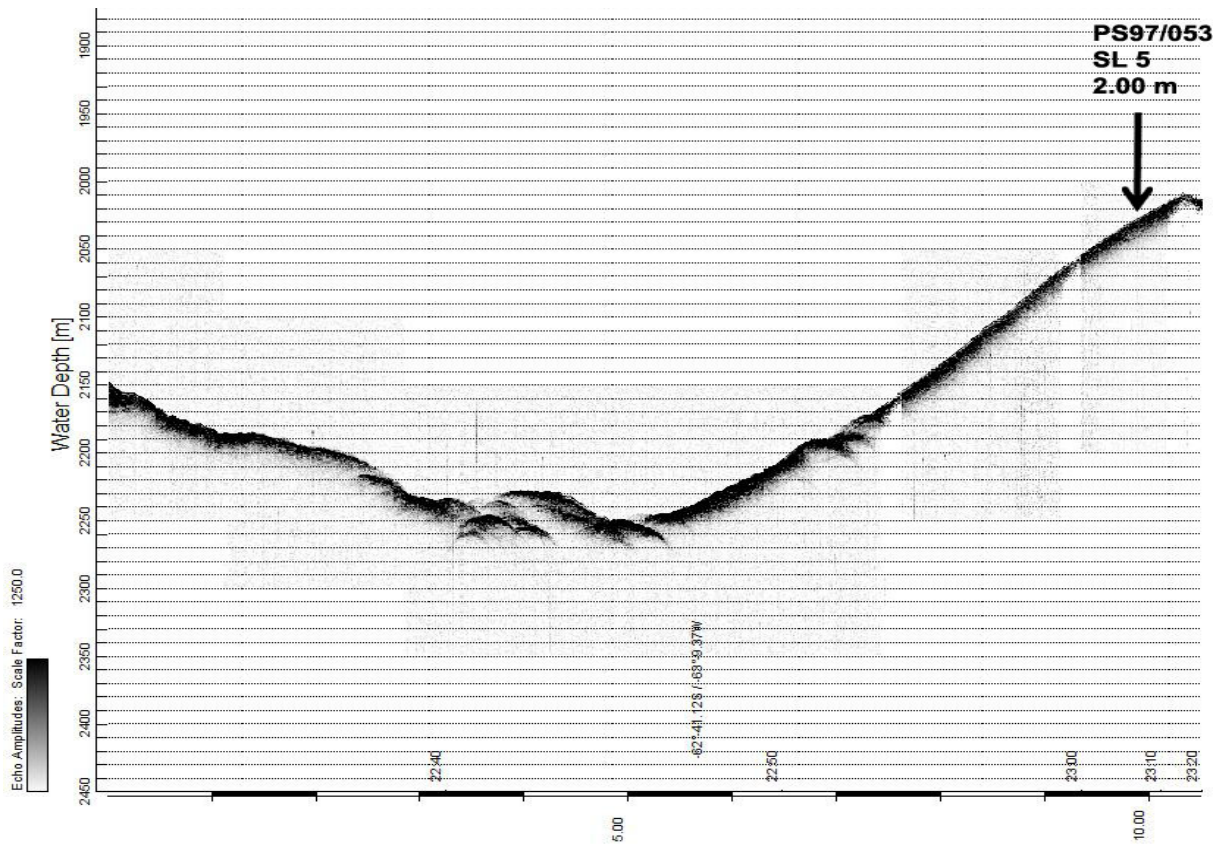
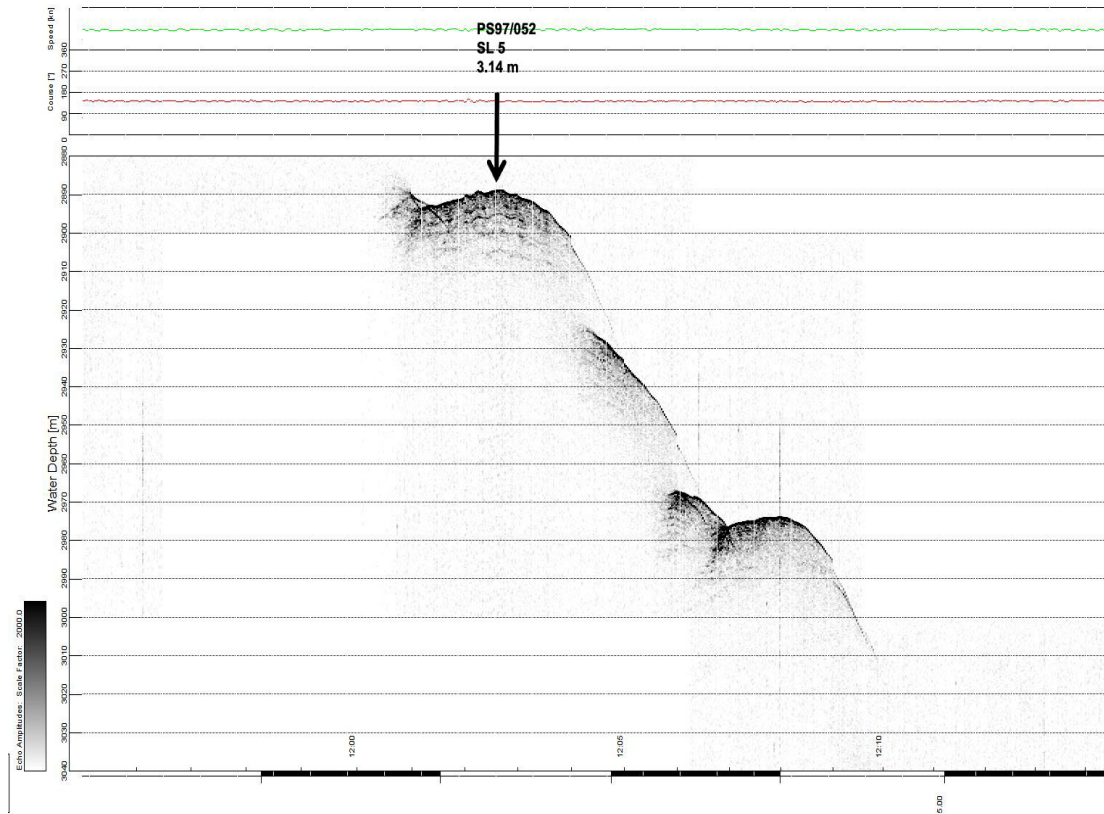
Appendix A.10 PARASOUND profiles



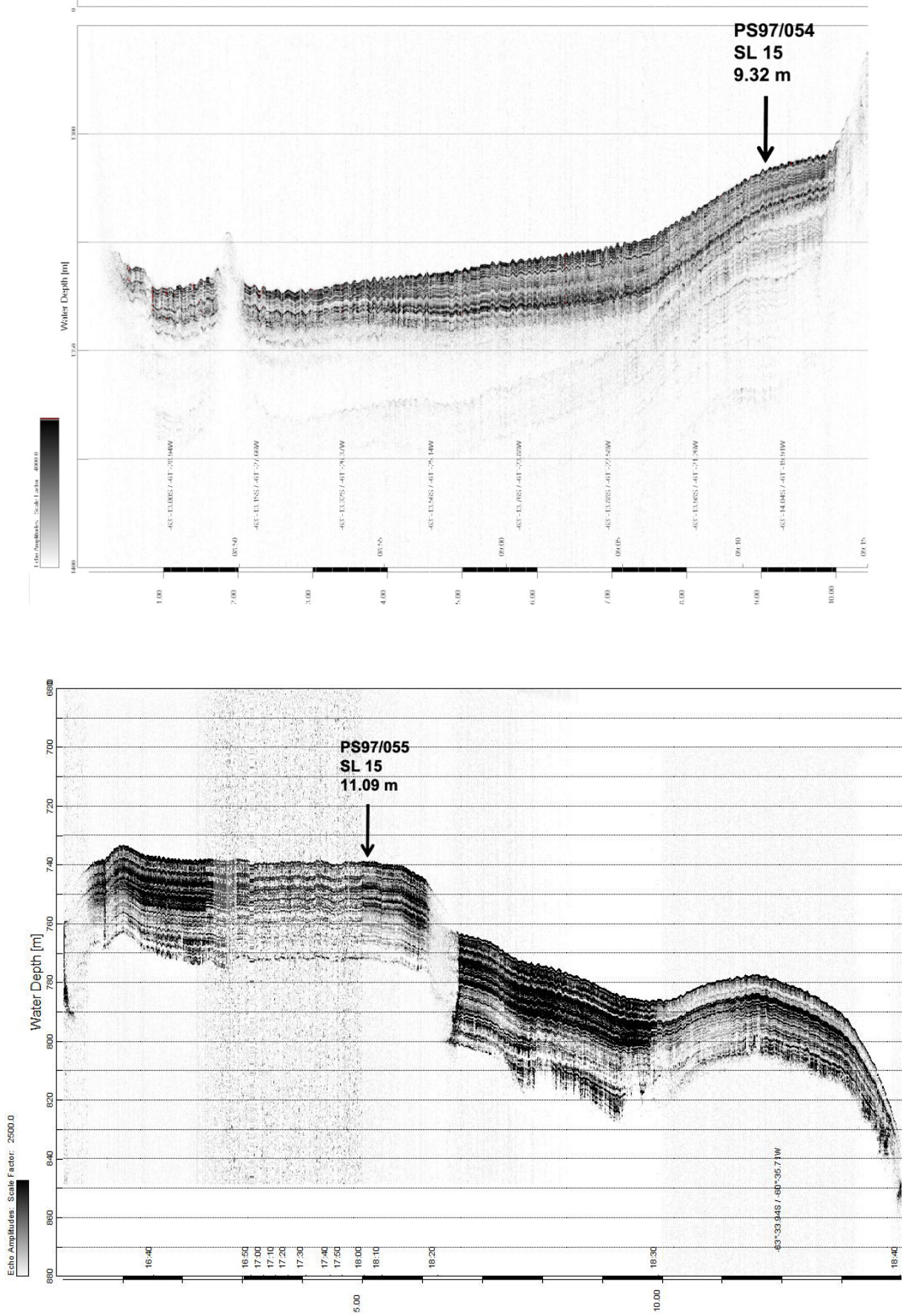
Appendix A.10 PARASOUND profiles



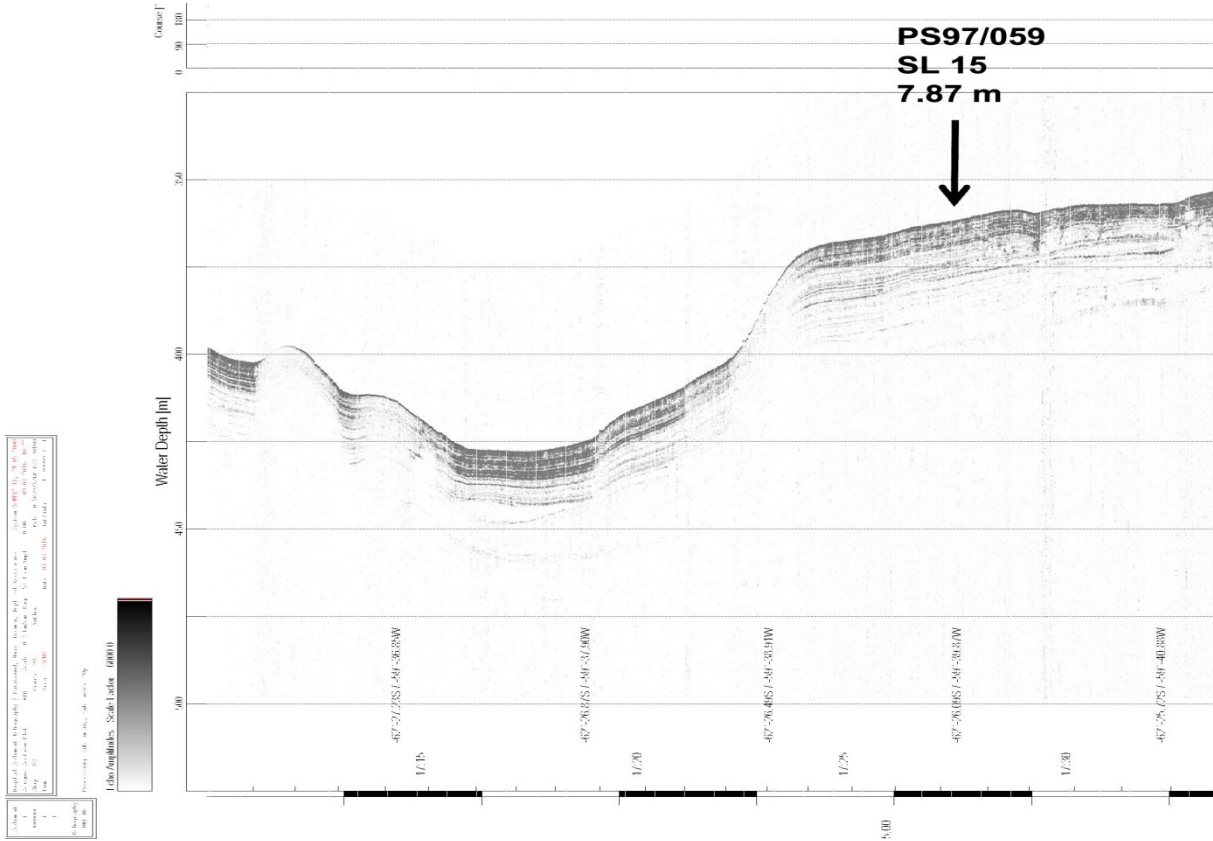
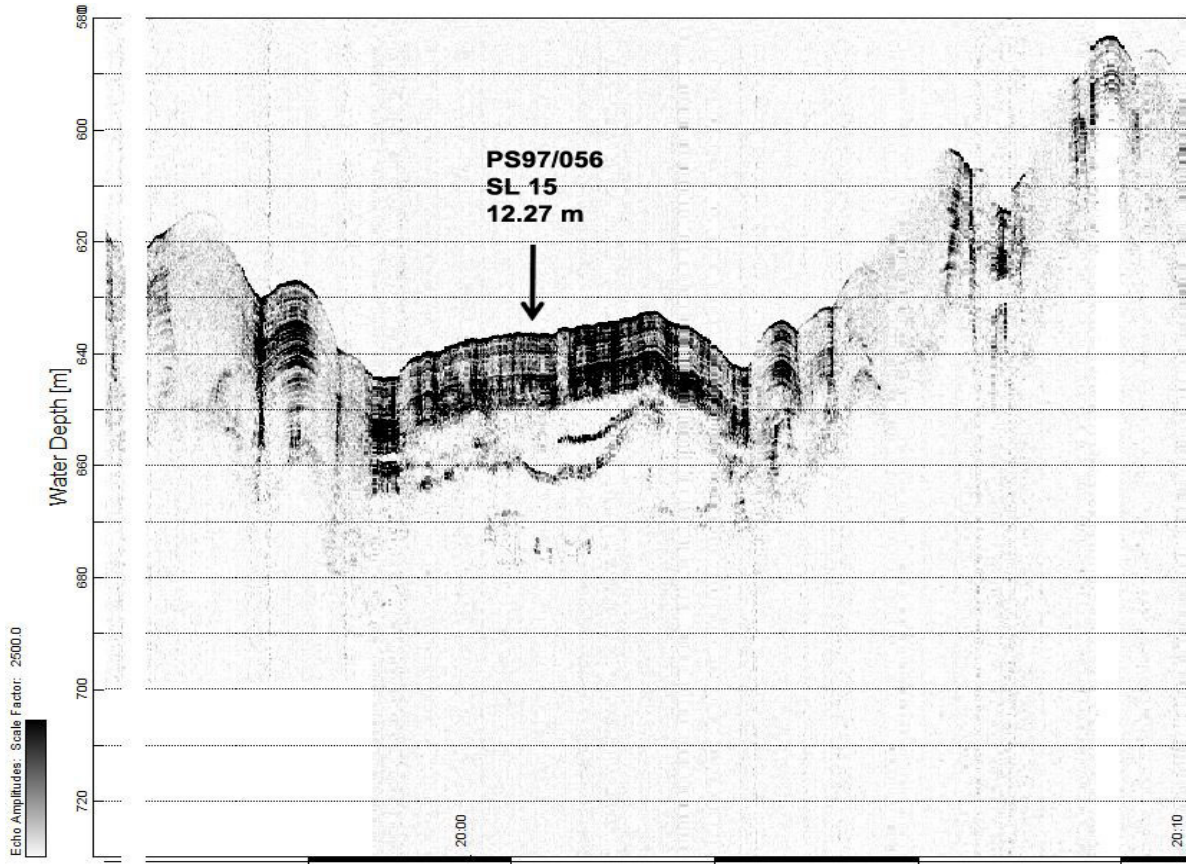
Appendix A.10 PARASOUND profiles



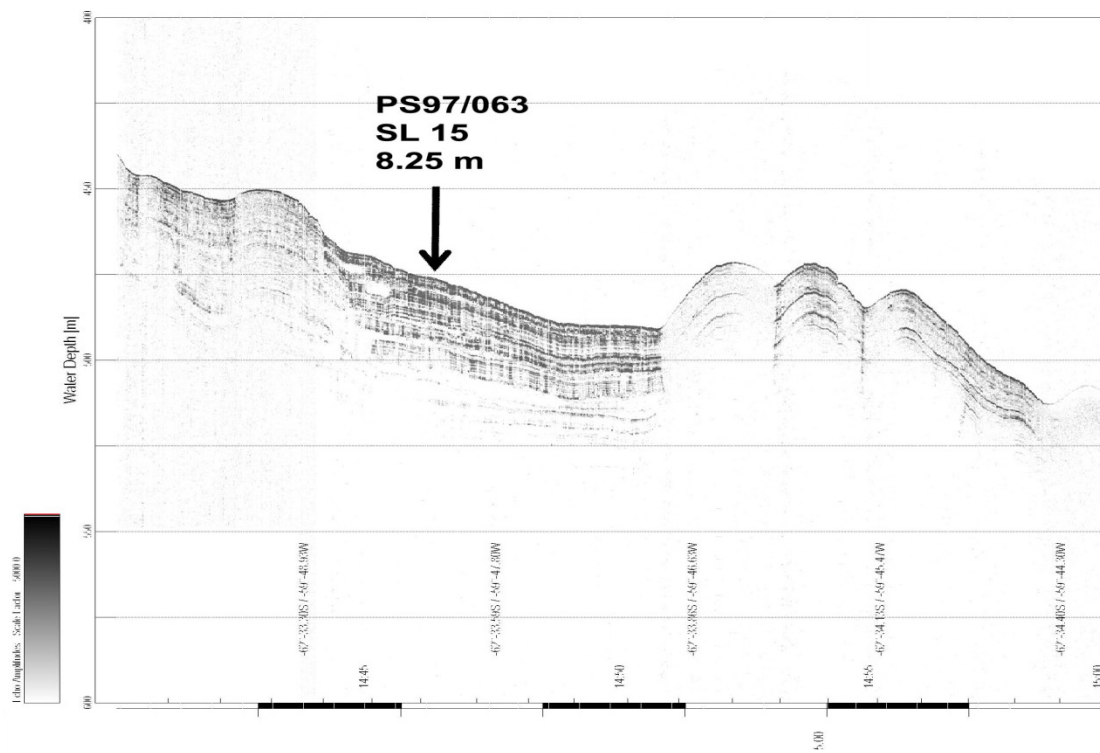
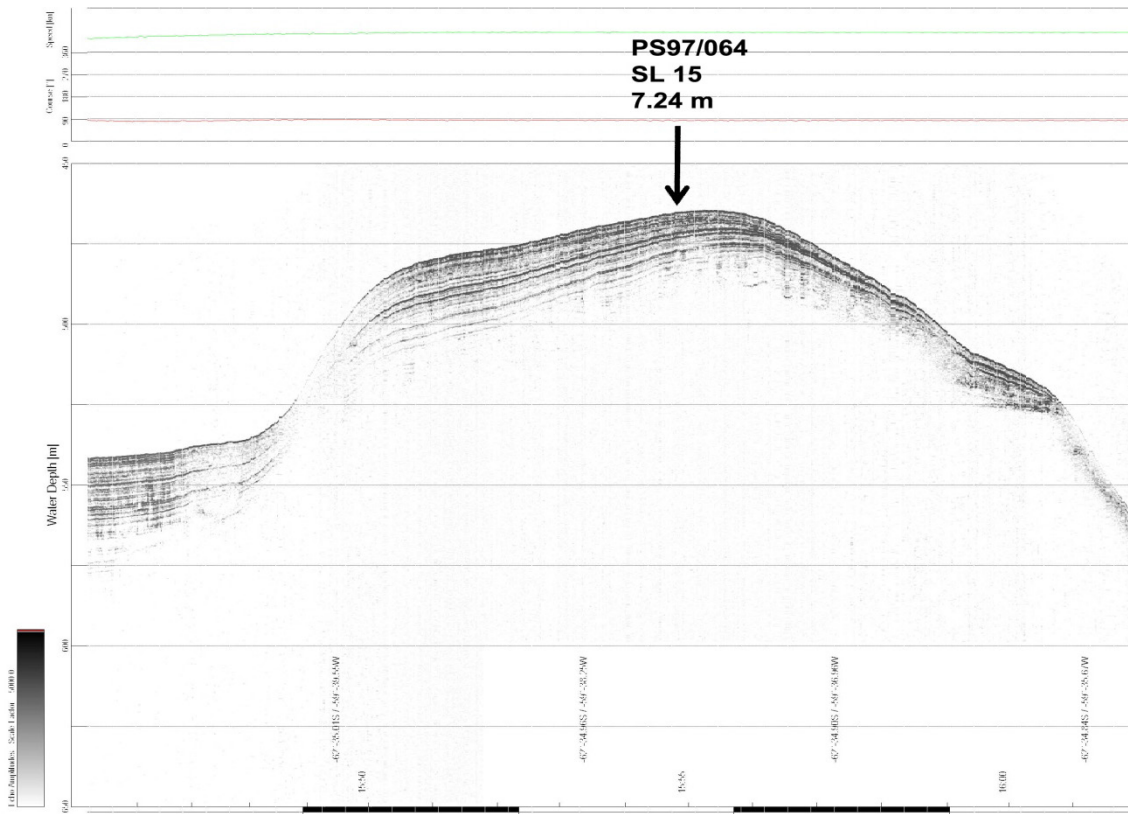
Appendix A.10 PARASOUND profiles



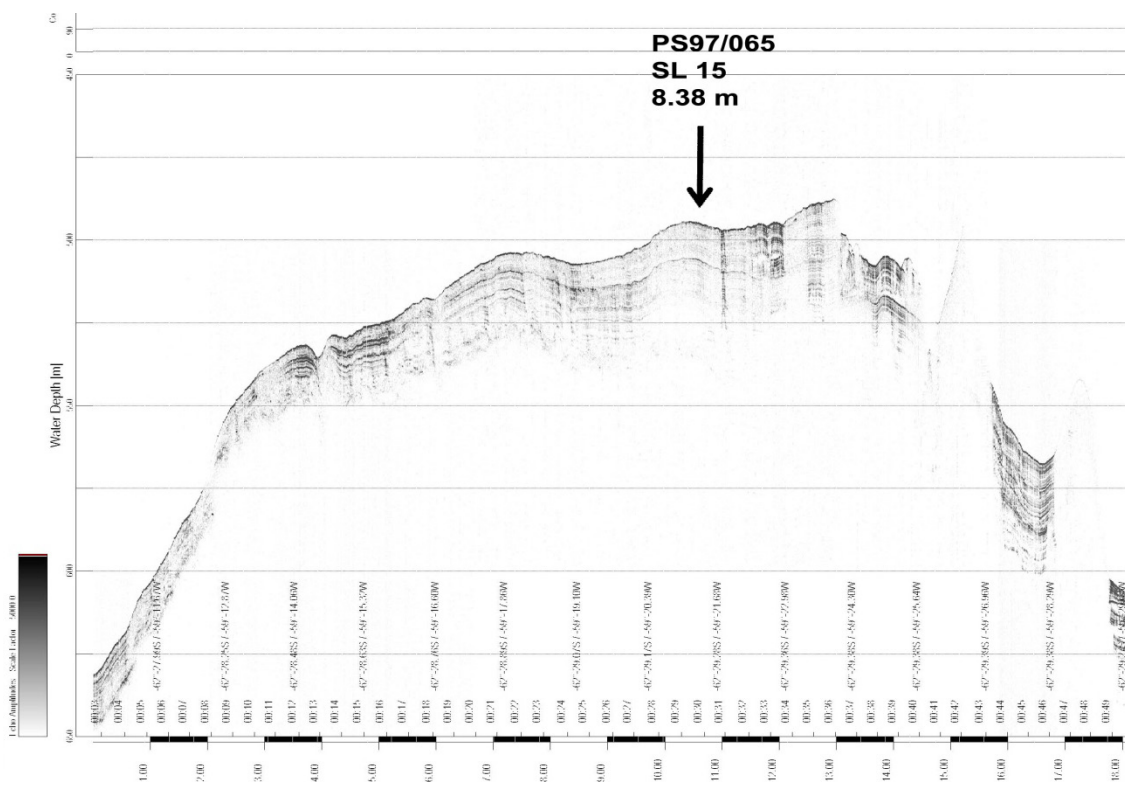
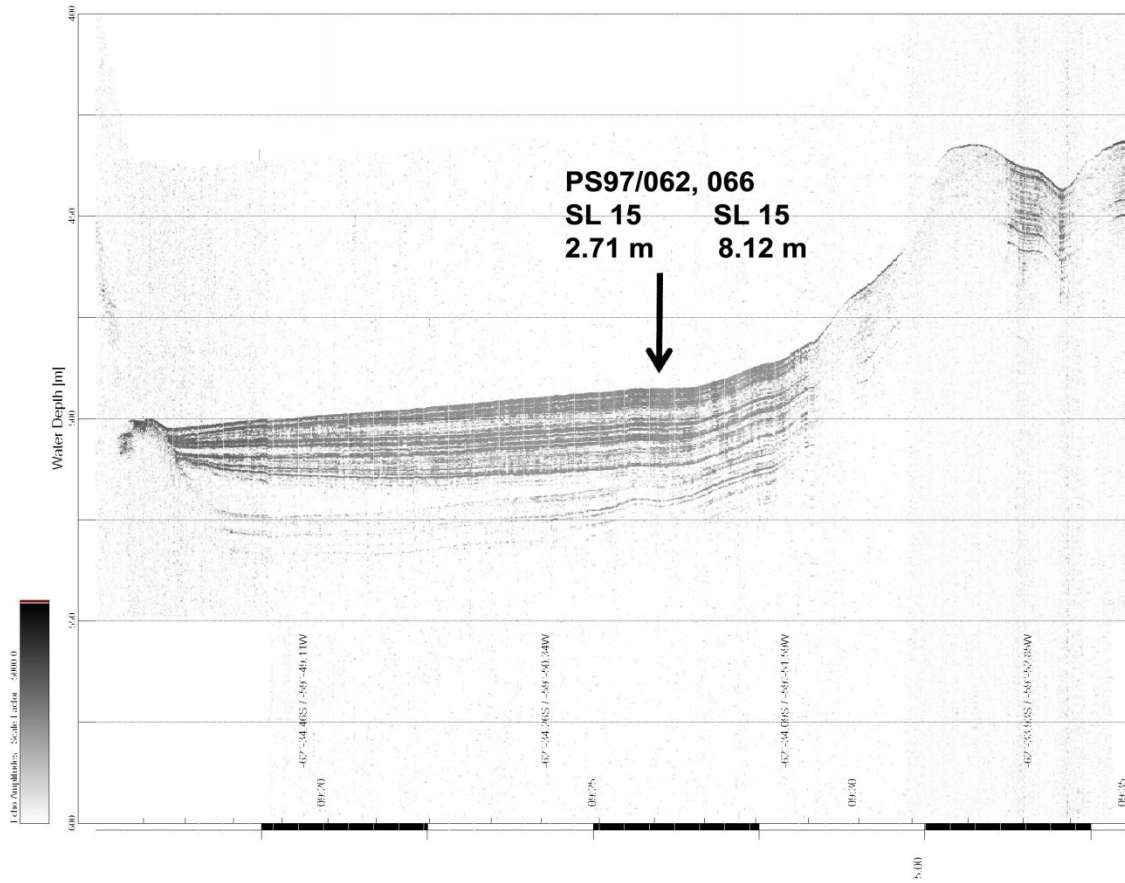
Appendix A.10 PARASOUND profiles



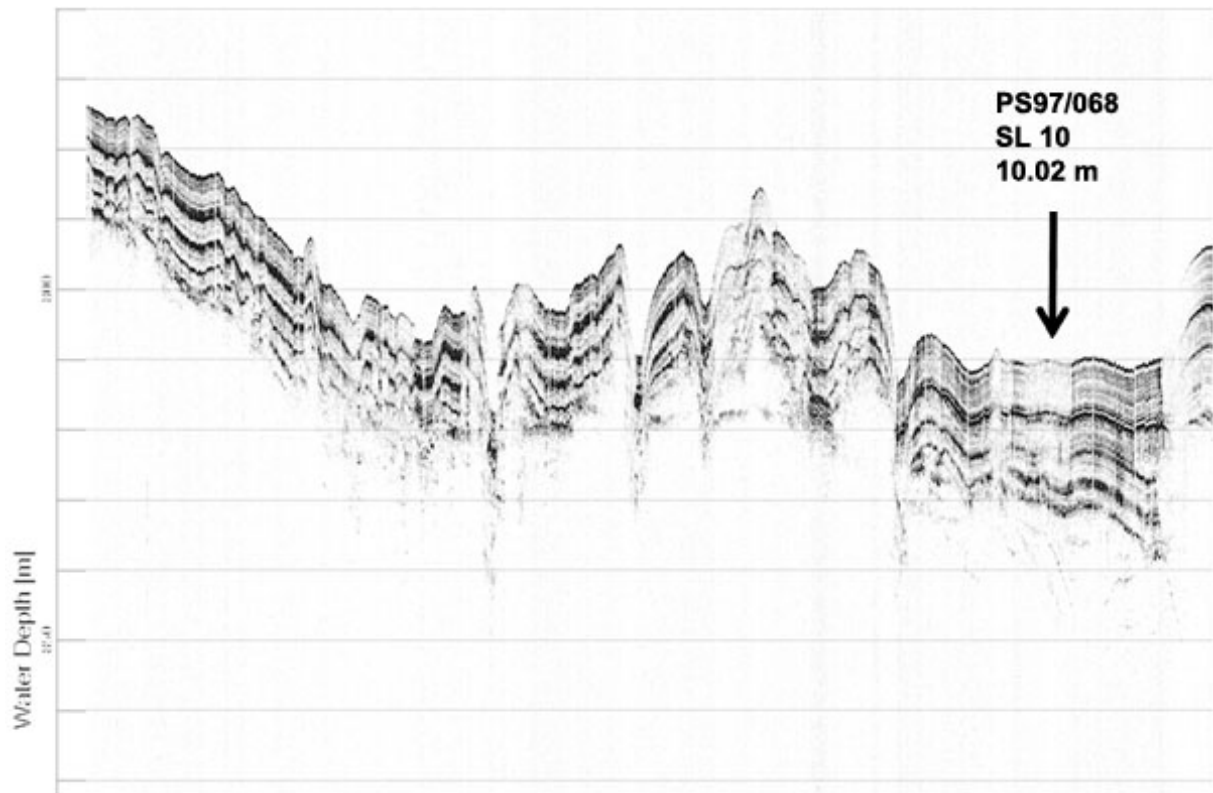
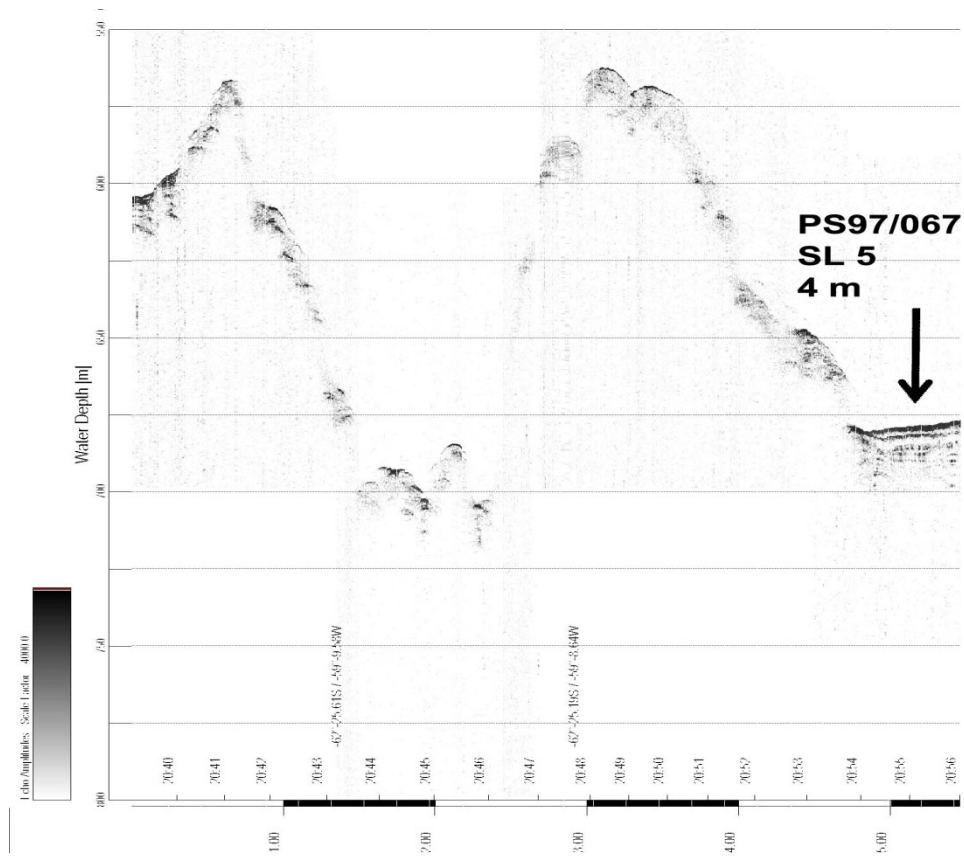
Appendix A.10 PARASOUND profiles



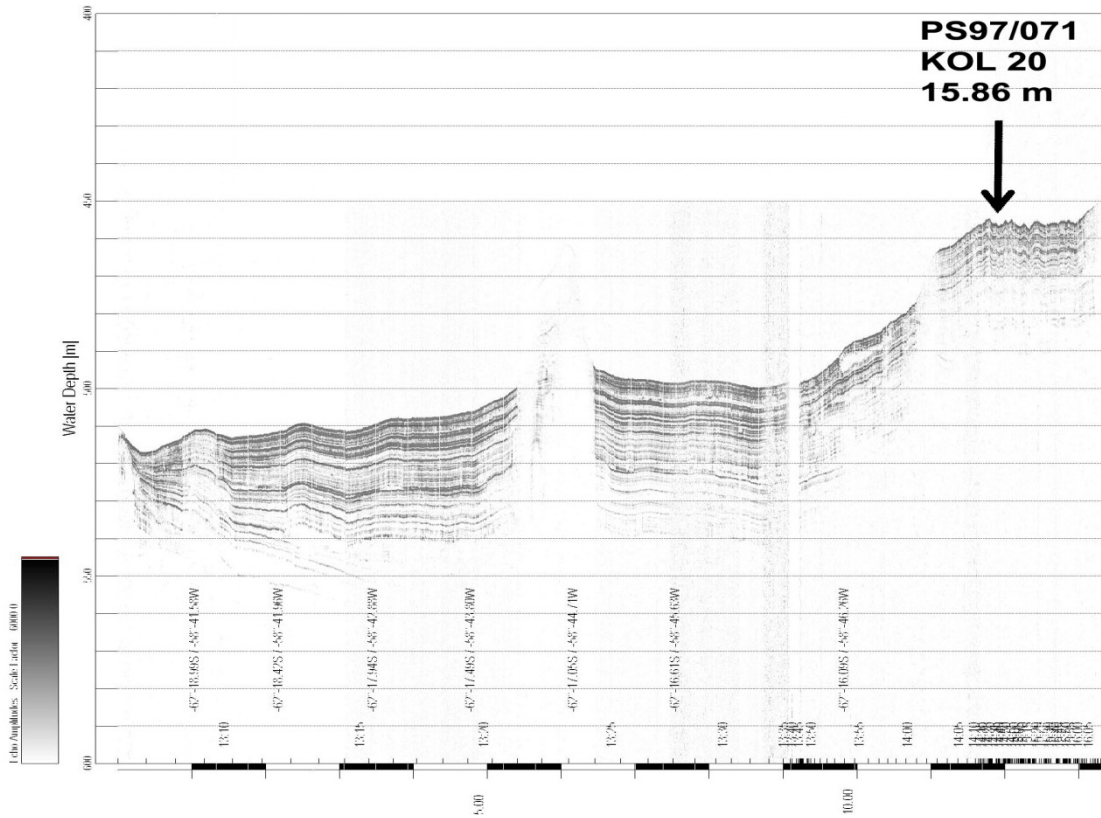
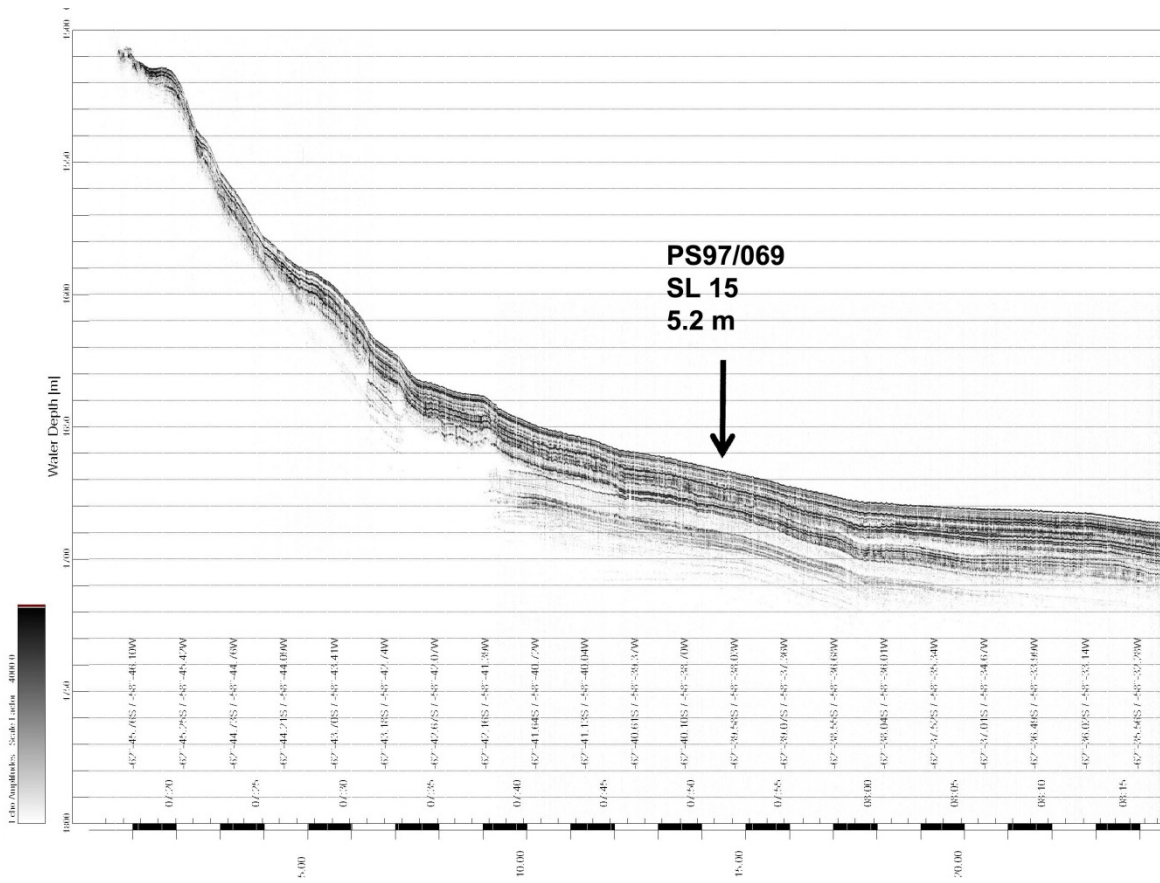
Appendix A.10 PARASOUND profiles



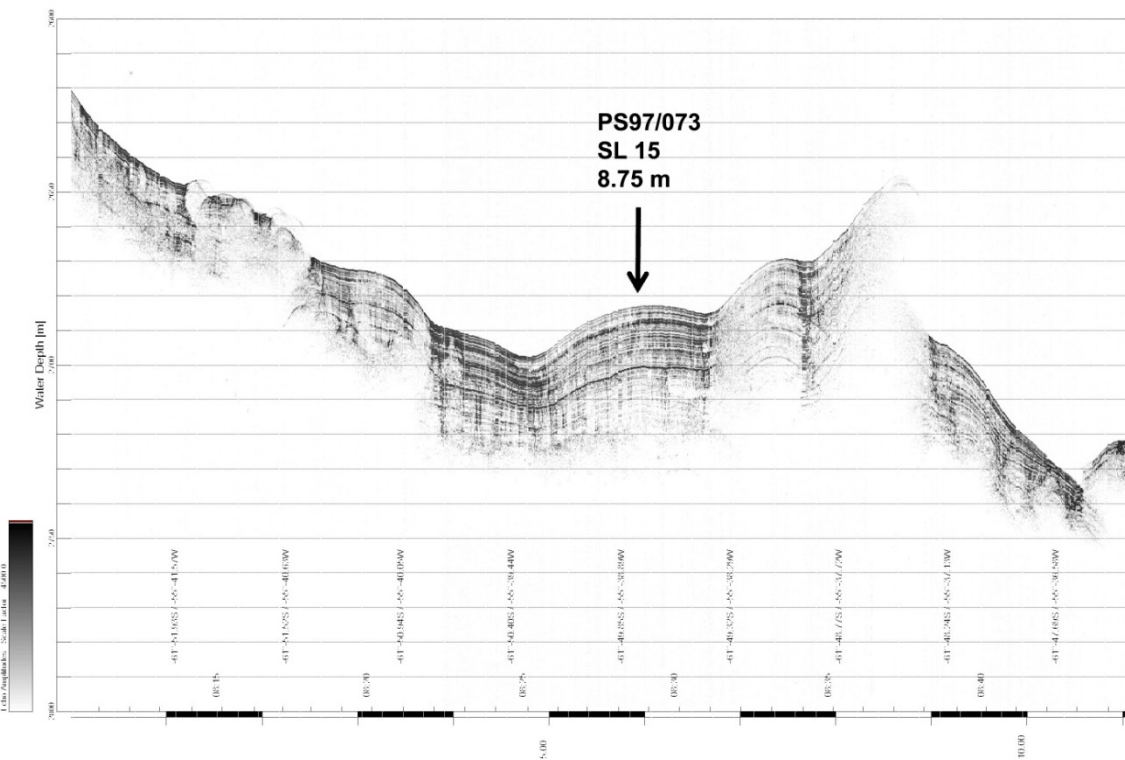
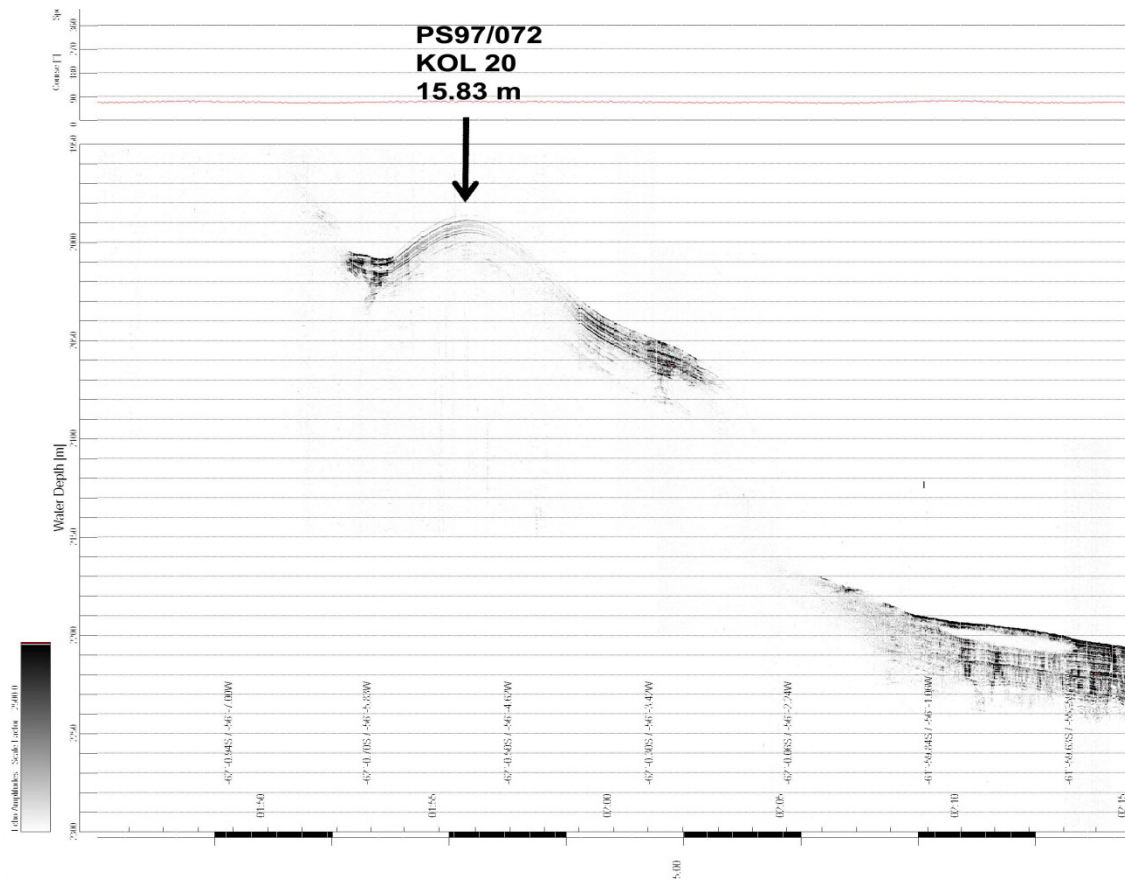
Appendix A.10 PARASOUND profiles



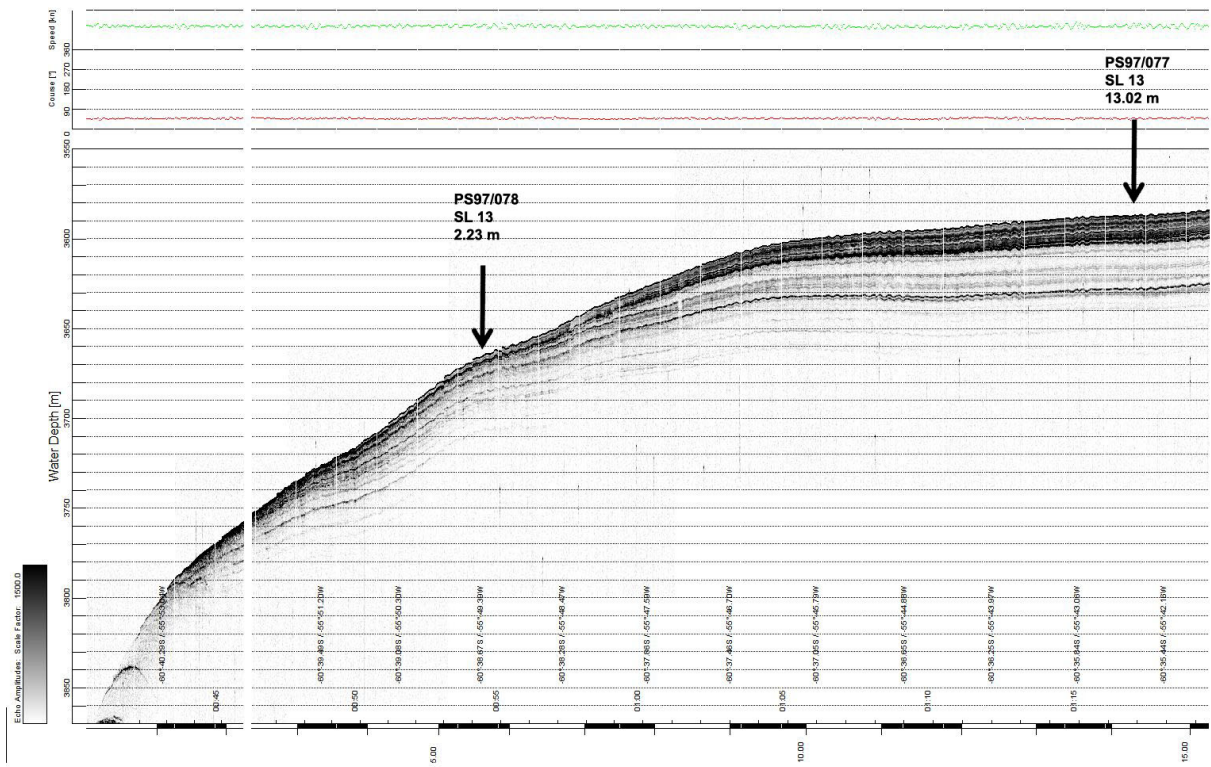
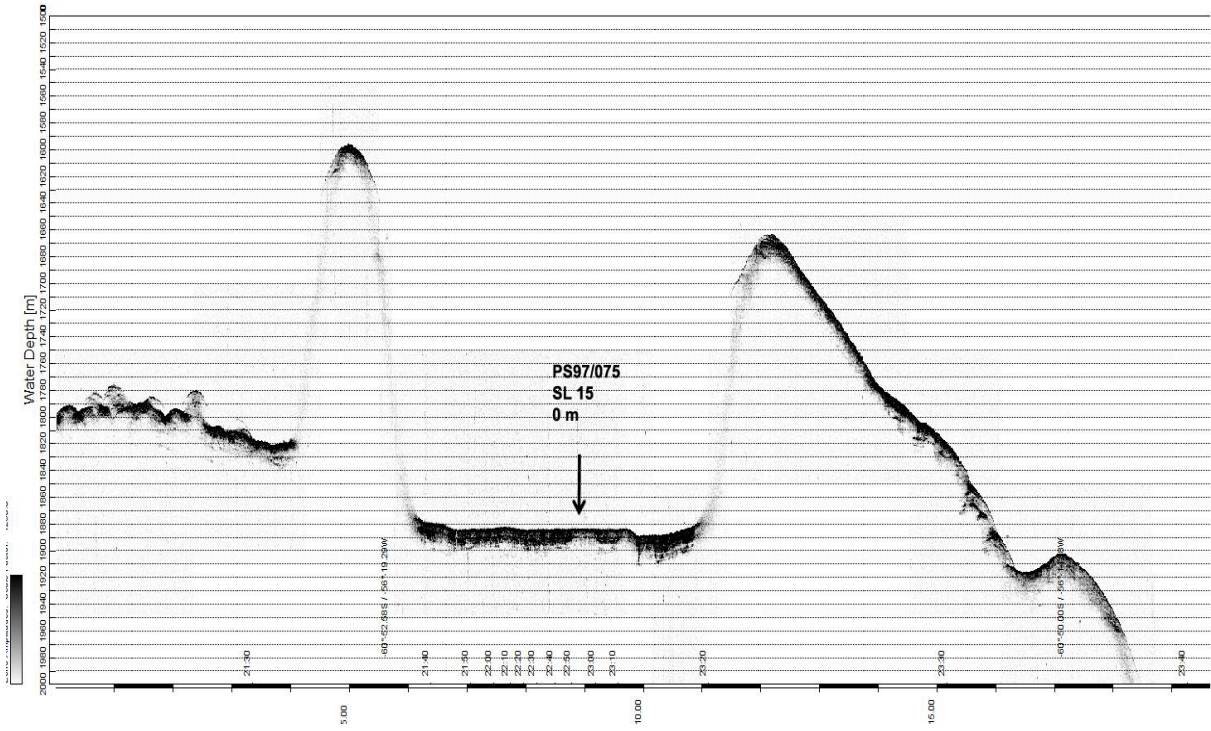
Appendix A.10 PARASOUND profiles



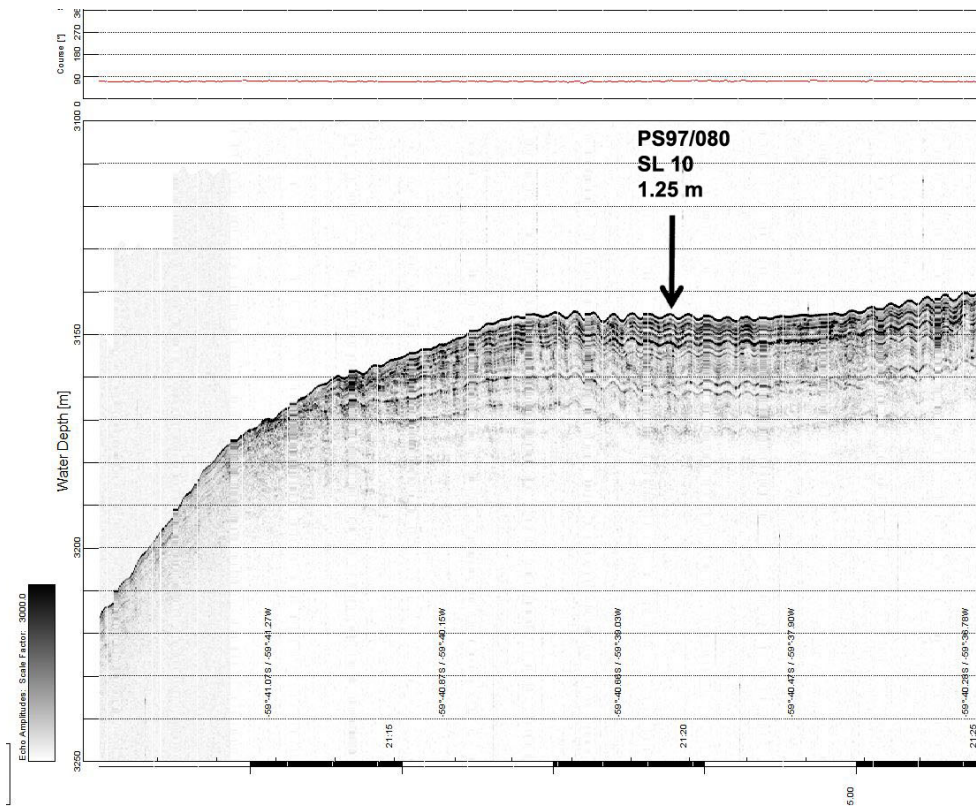
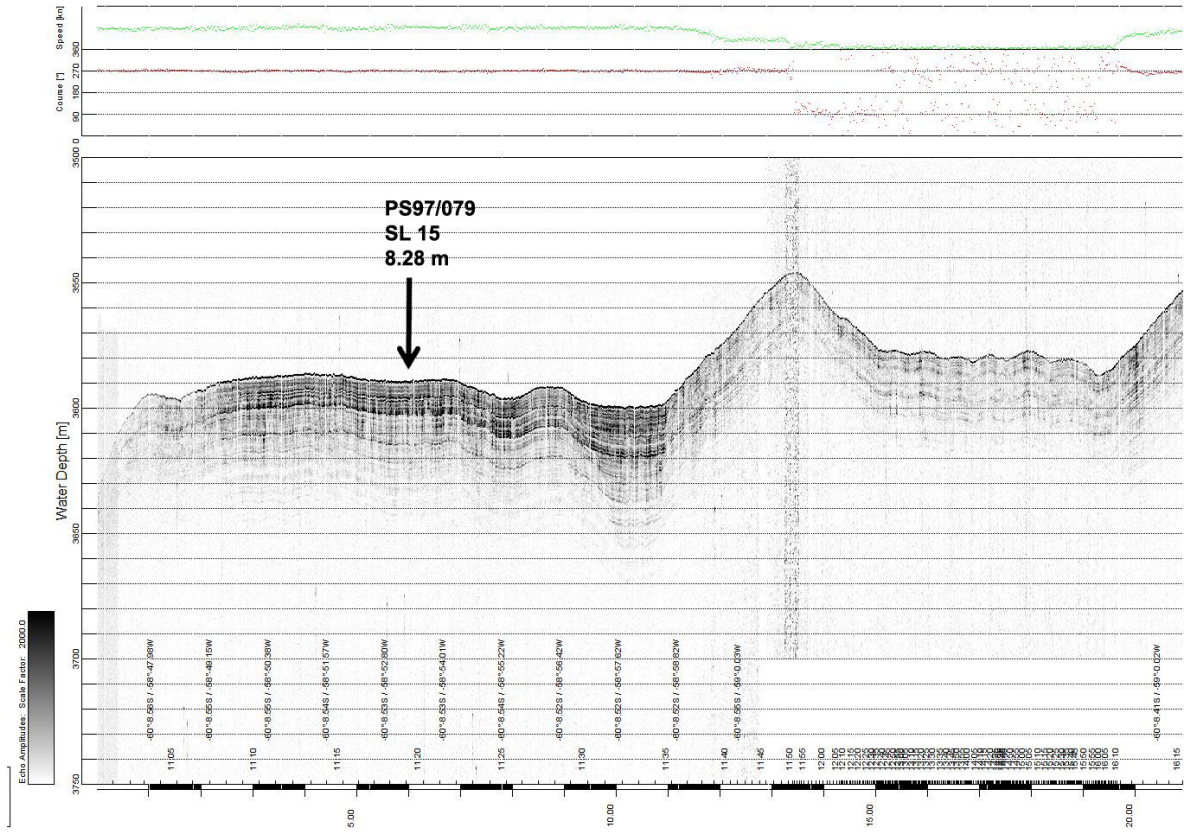
Appendix A.10 PARASOUND profiles



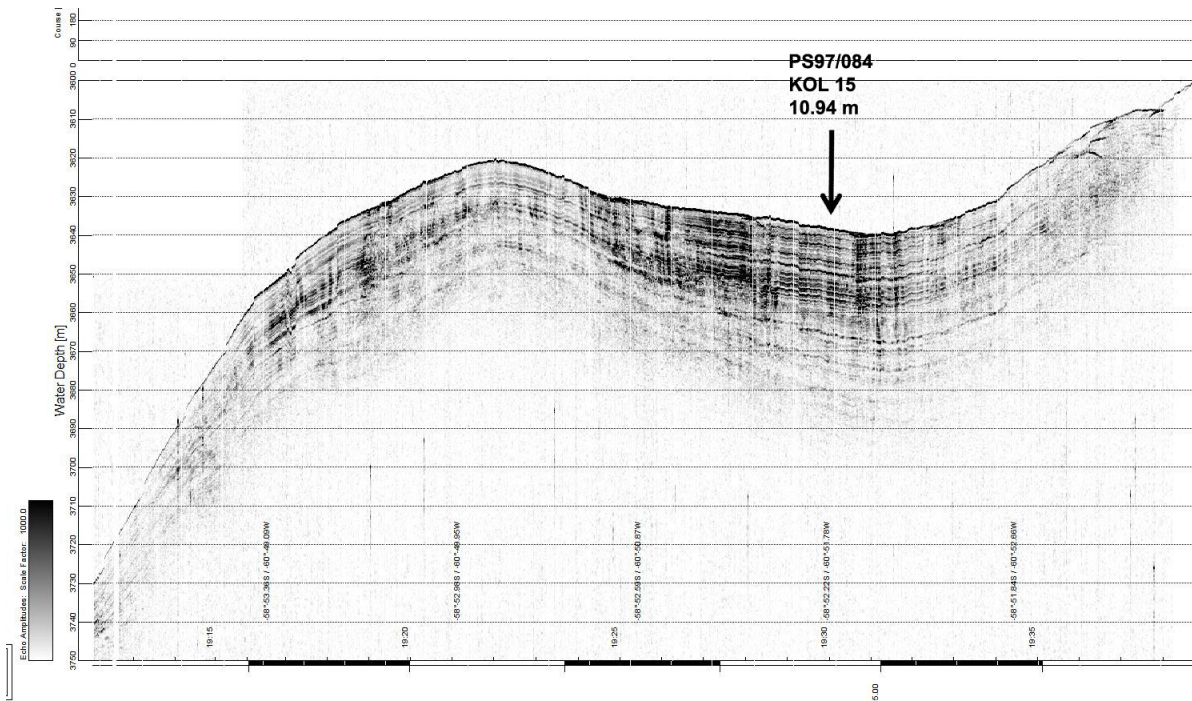
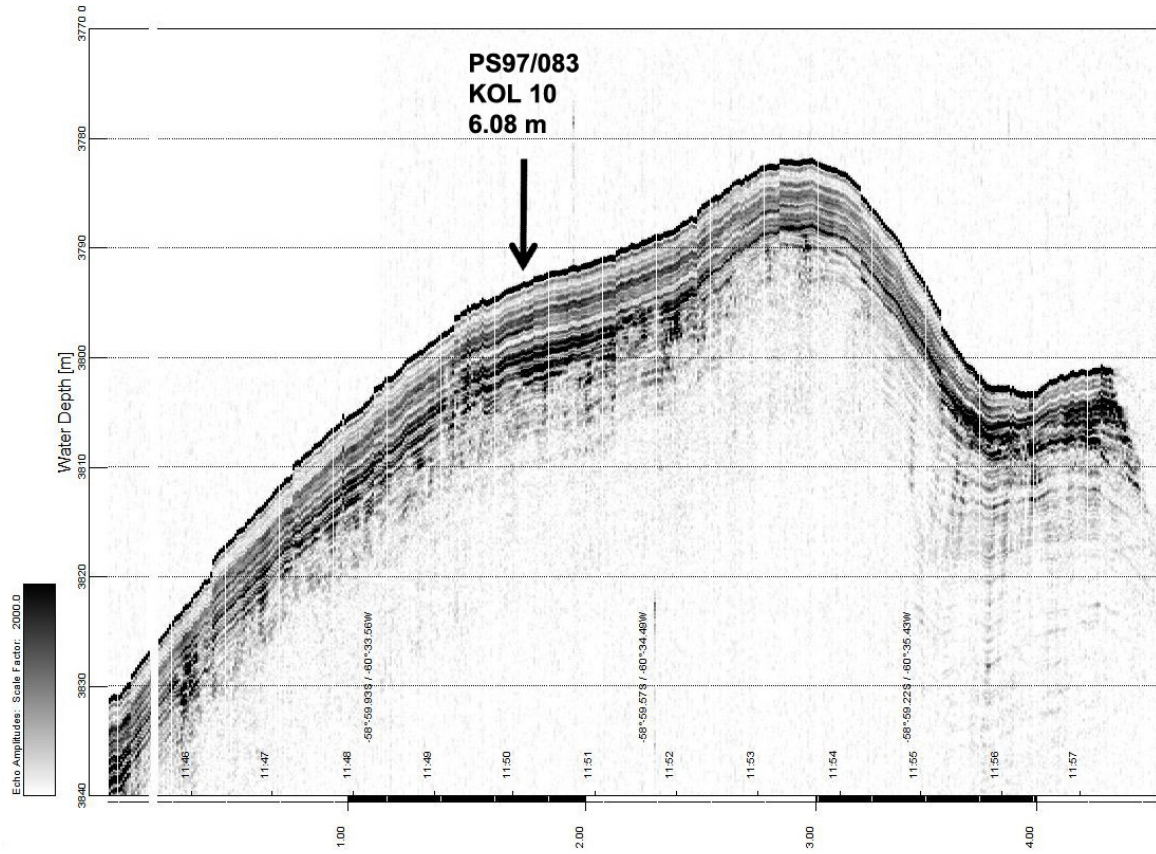
Appendix A.10 PARASOUND profiles



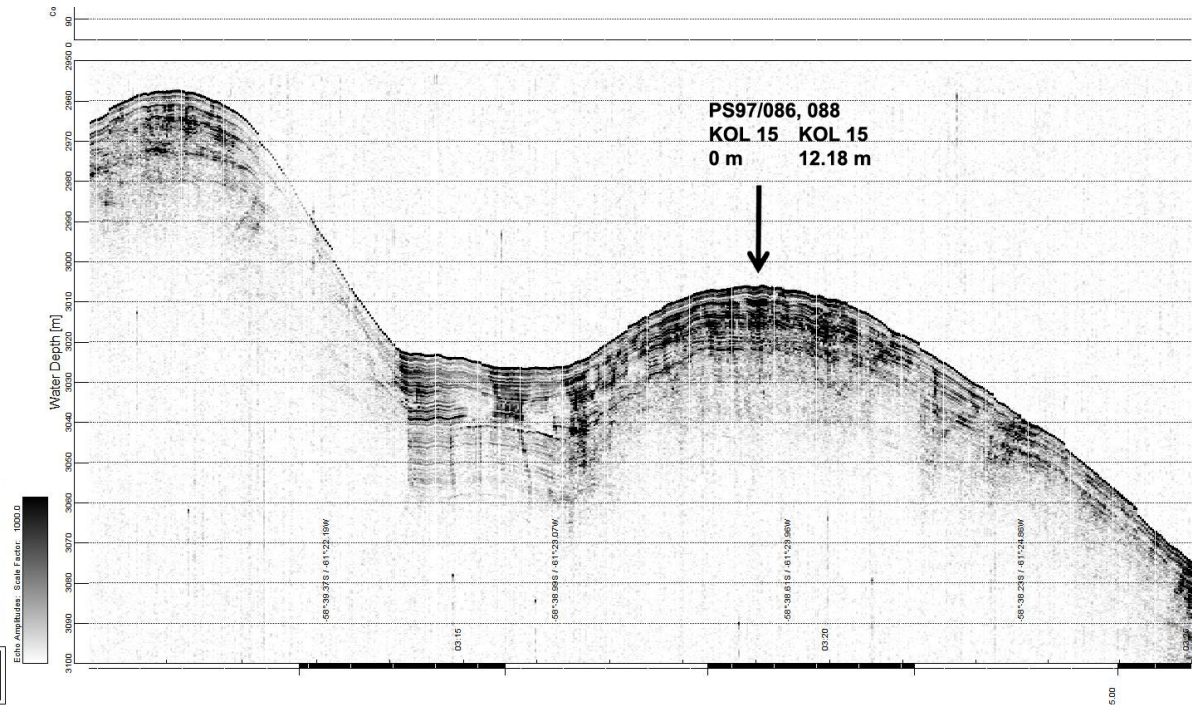
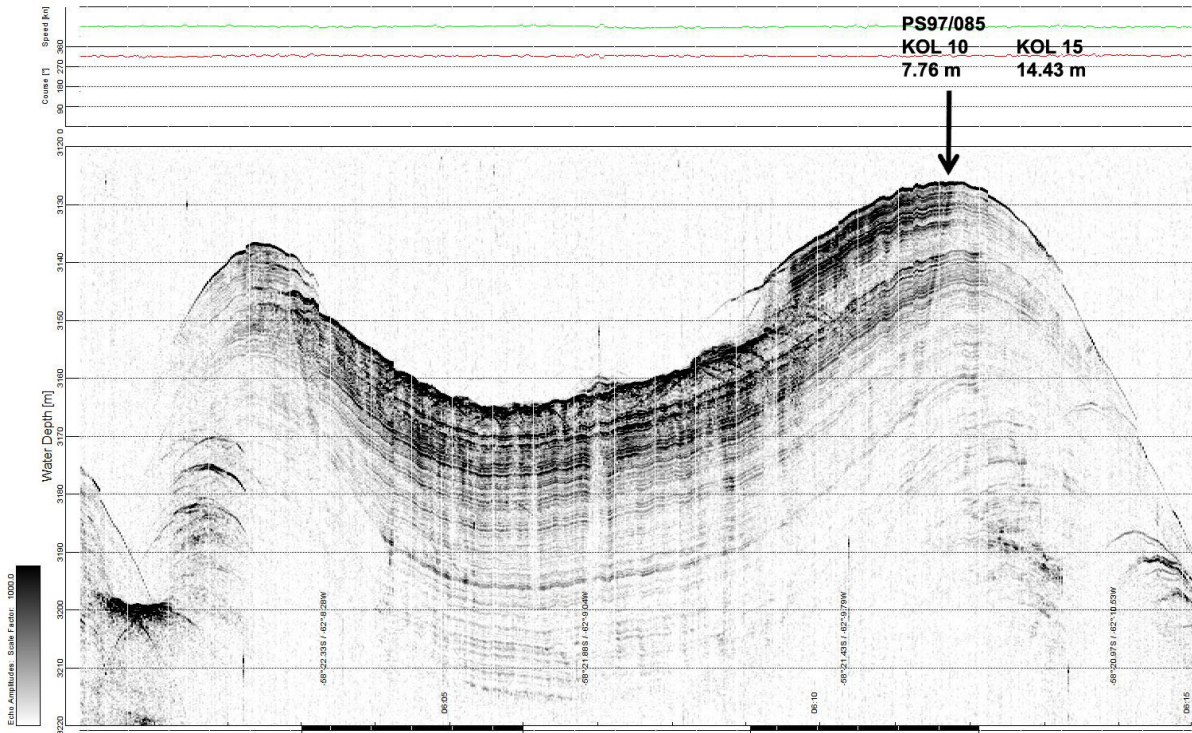
Appendix A.10 PARASOUND profiles



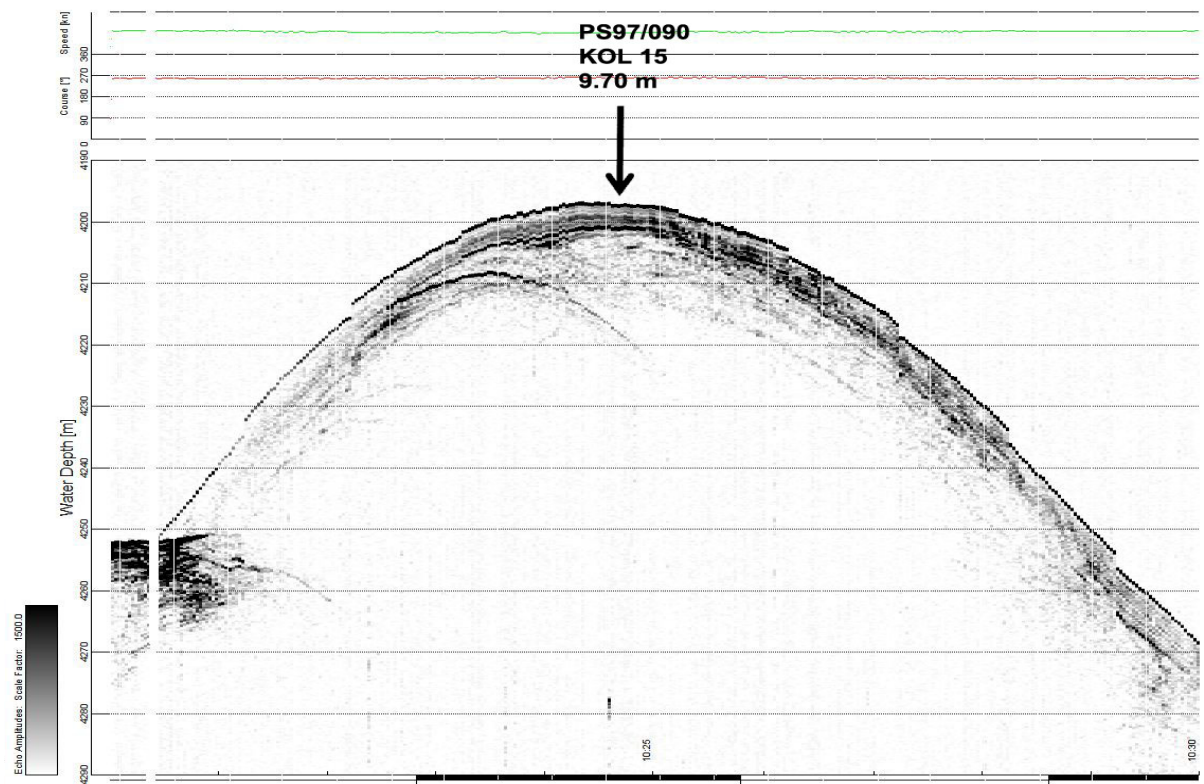
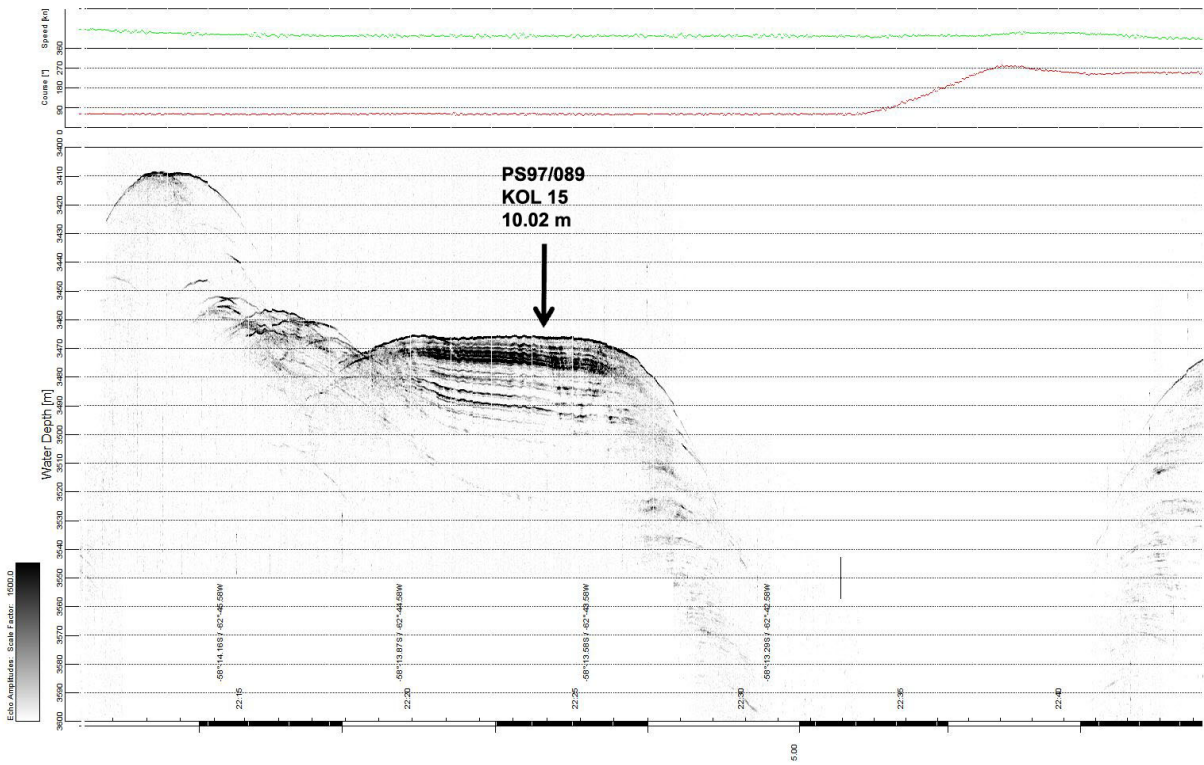
Appendix A.10 PARASOUND profiles



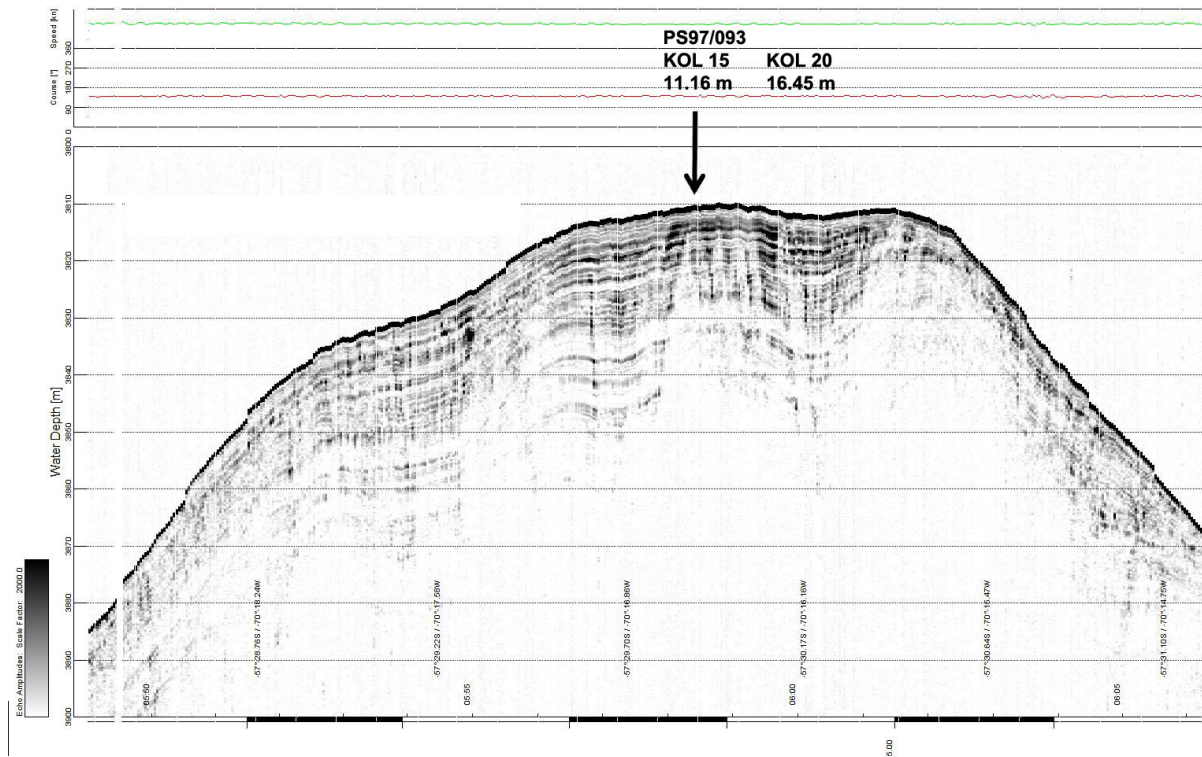
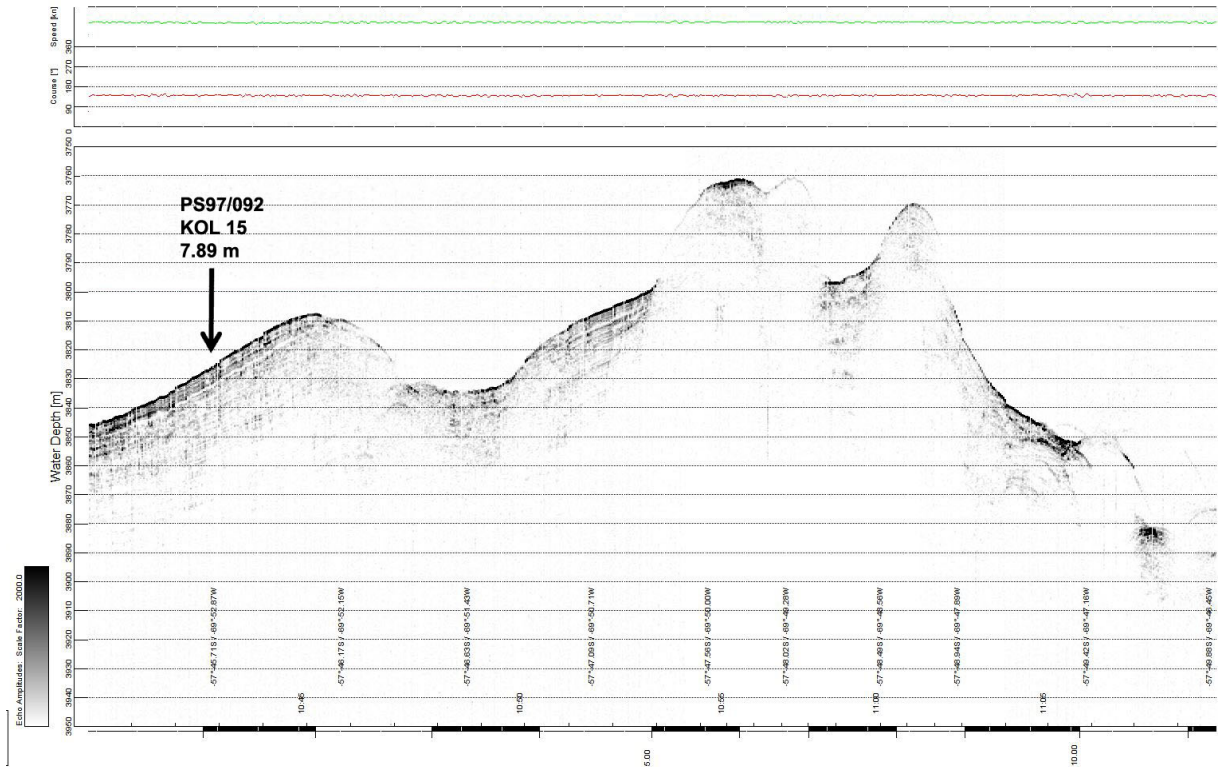
Appendix A.10 PARASOUND profiles



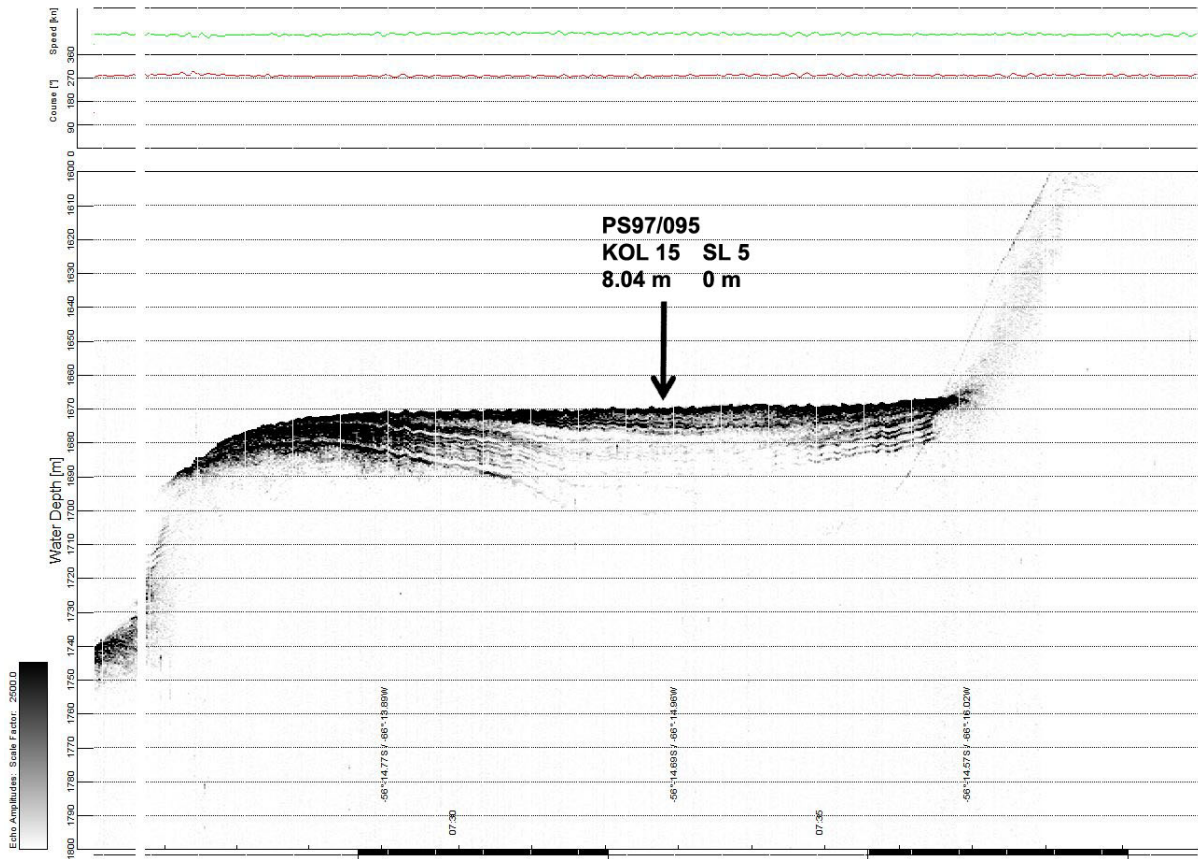
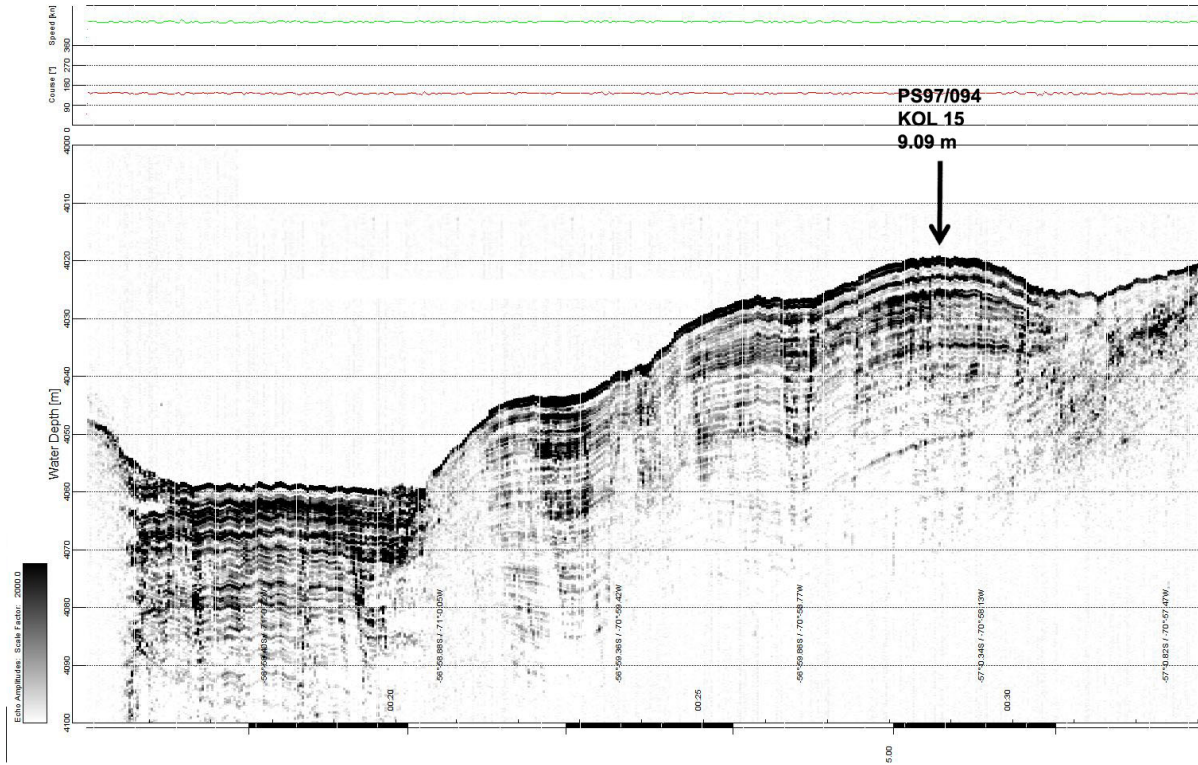
Appendix A.10 PARASOUND profiles



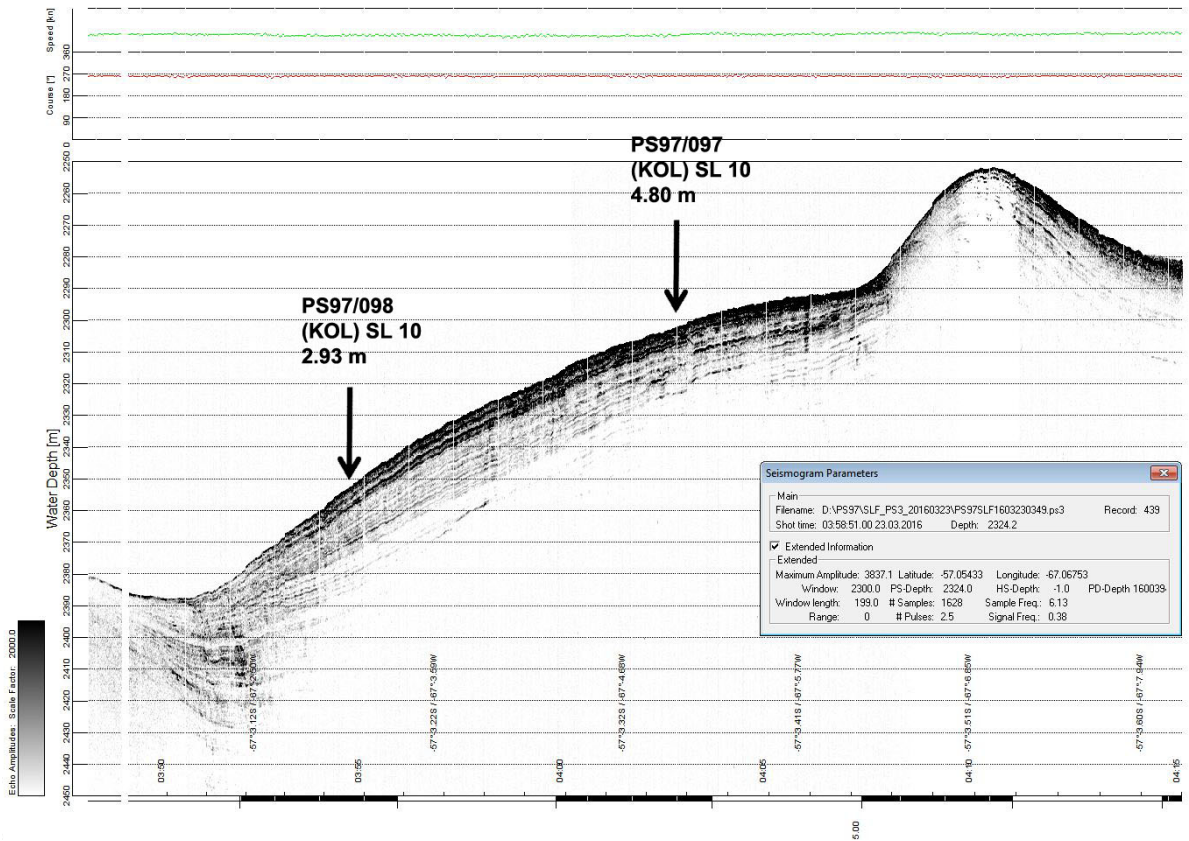
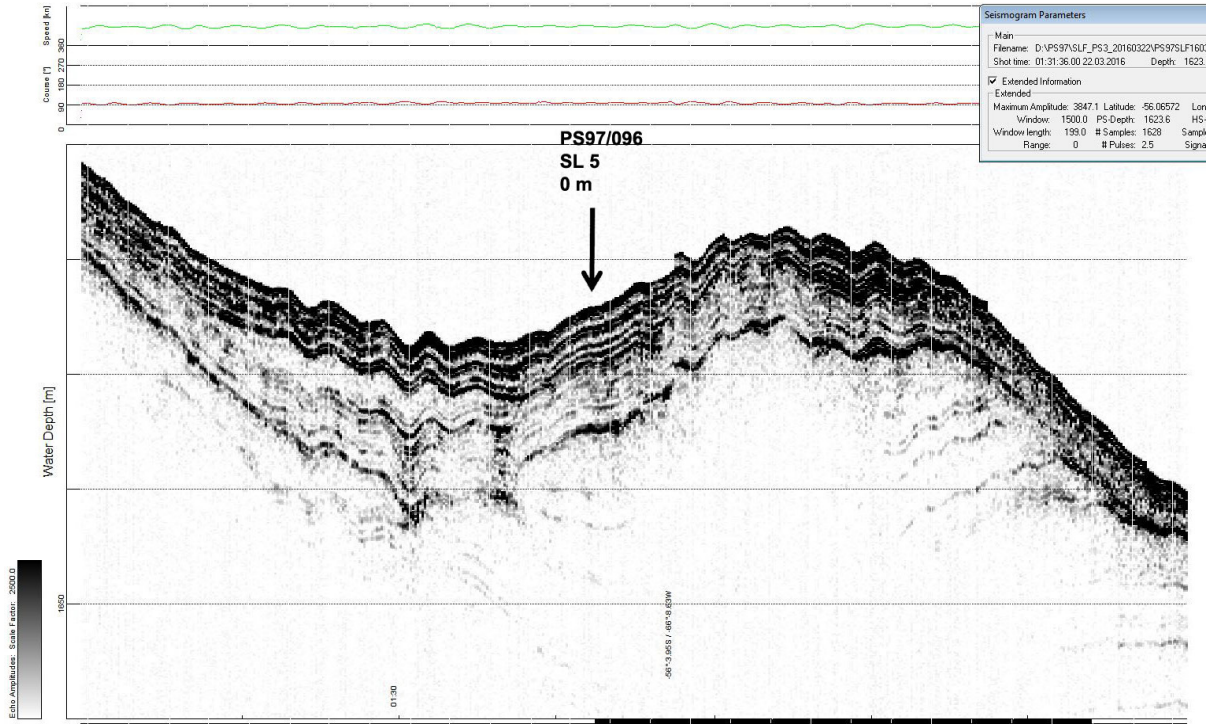
Appendix A.10 PARASOUND profiles



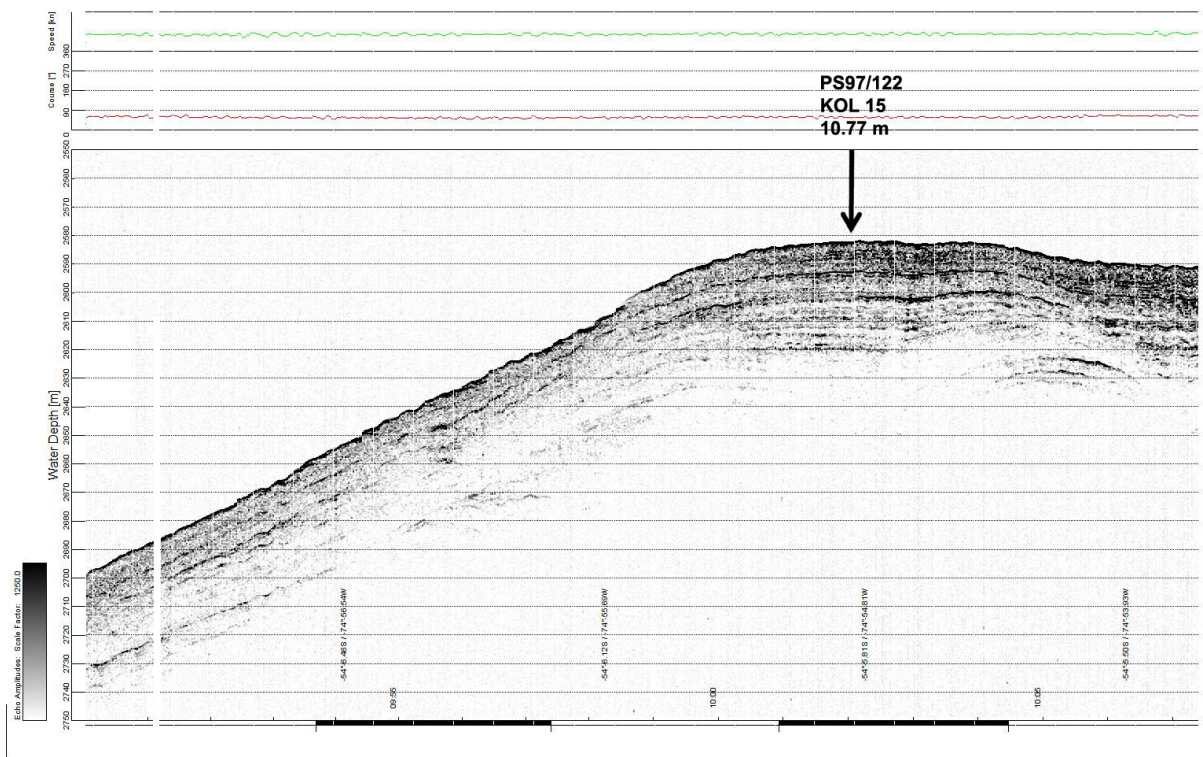
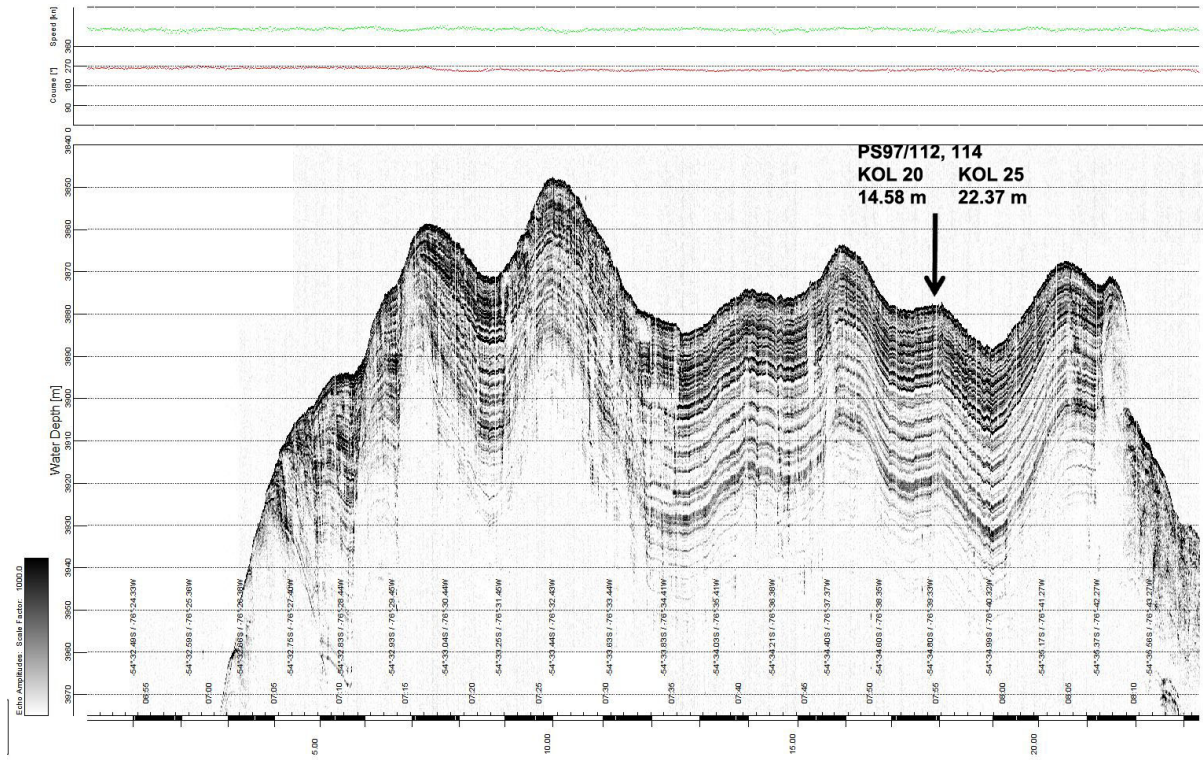
Appendix A.10 PARASOUND profiles



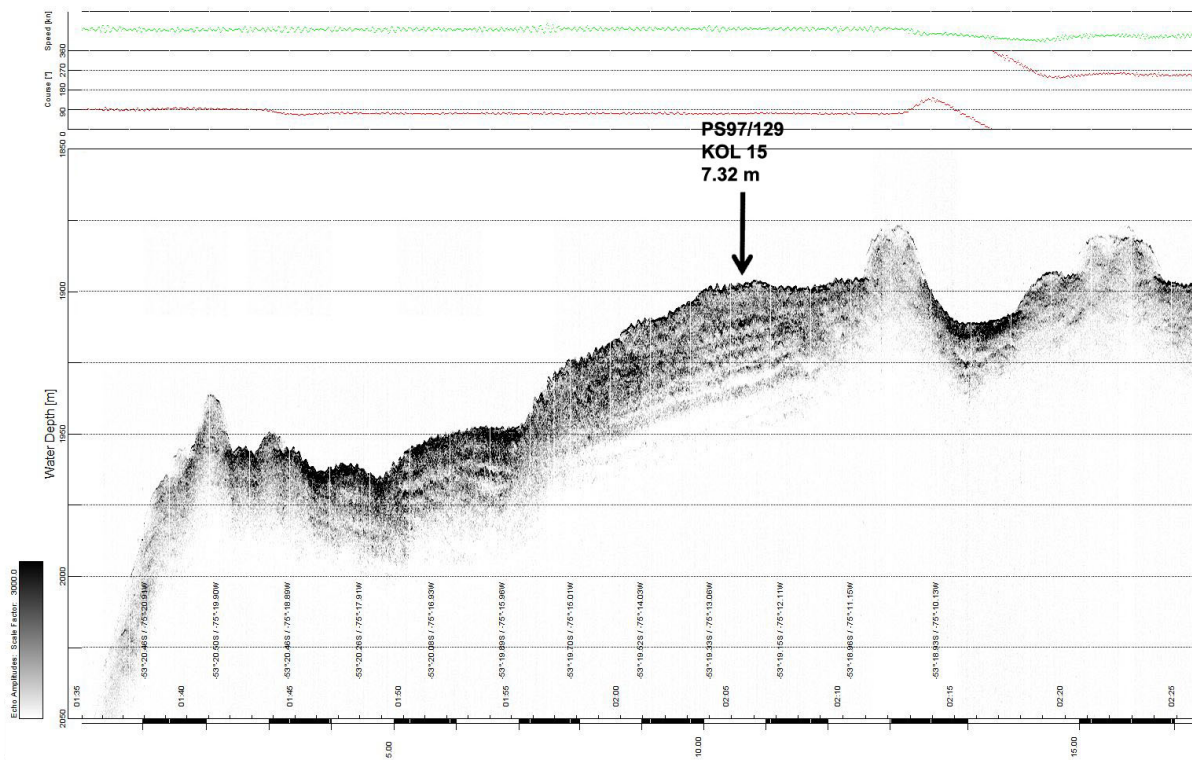
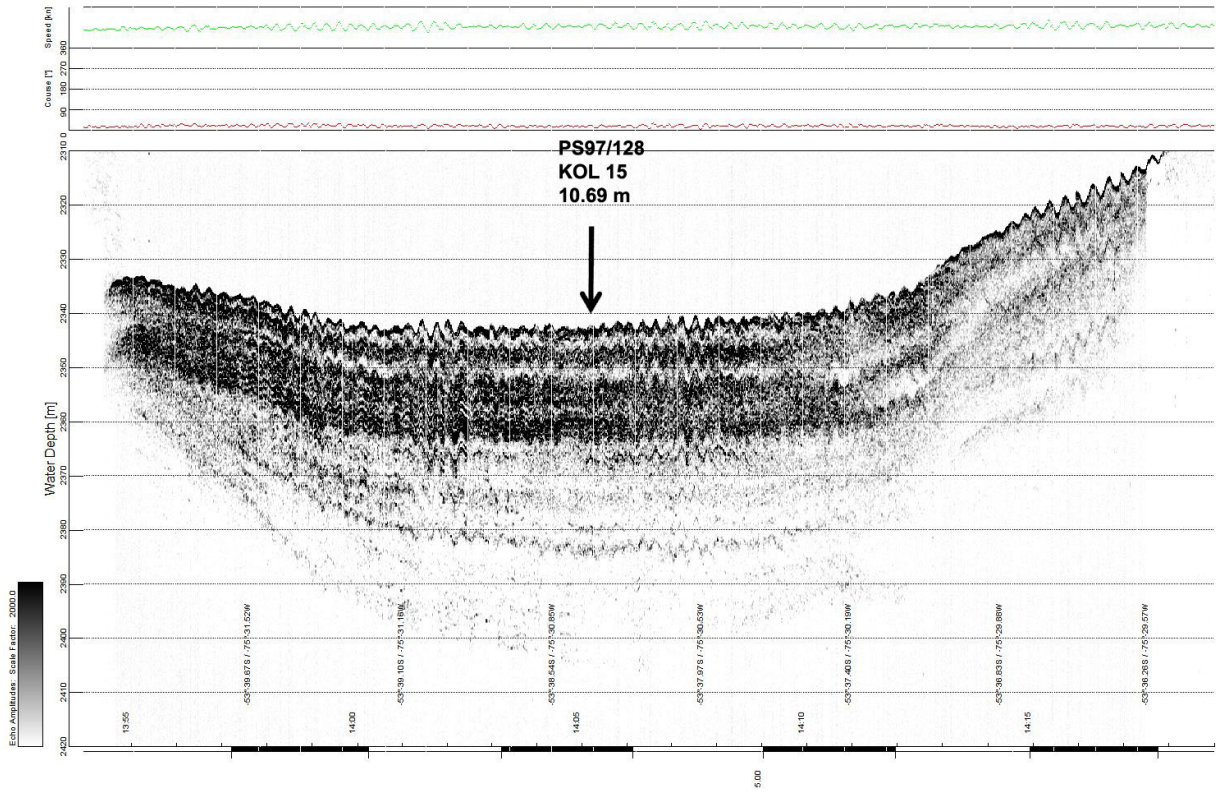
Appendix A.10 PARASOUND profiles



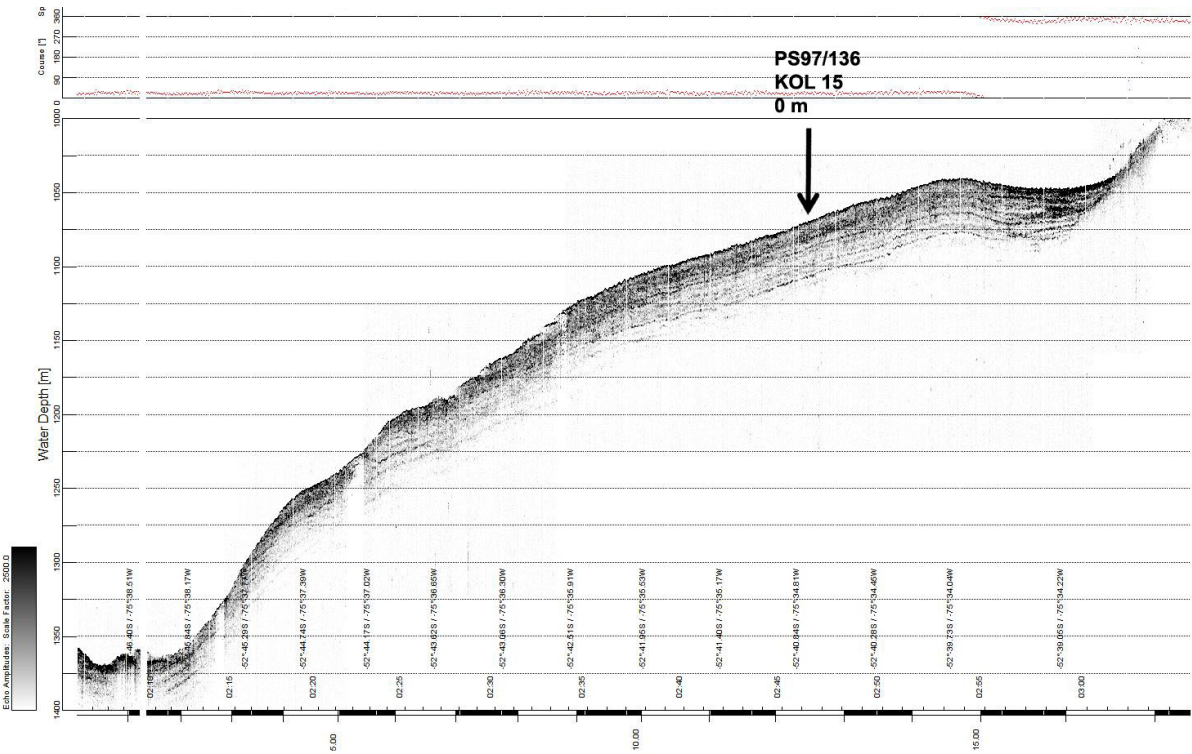
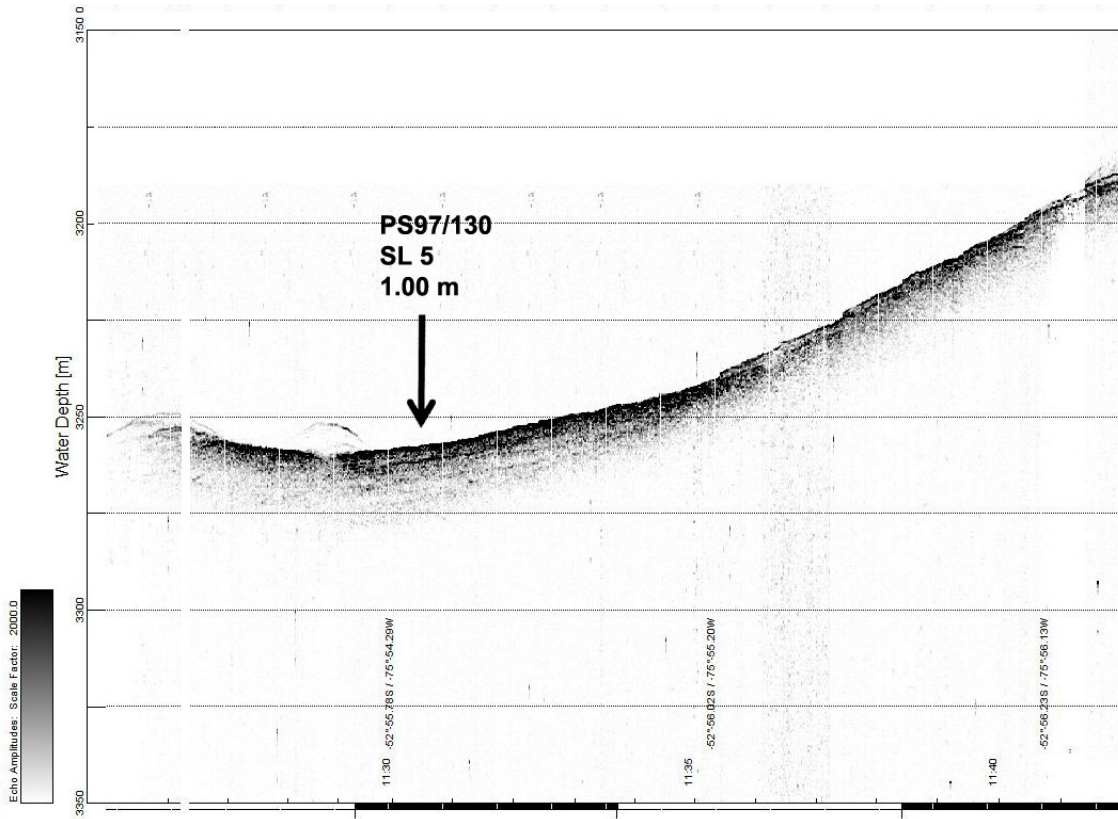
Appendix A.10 PARASOUND profiles



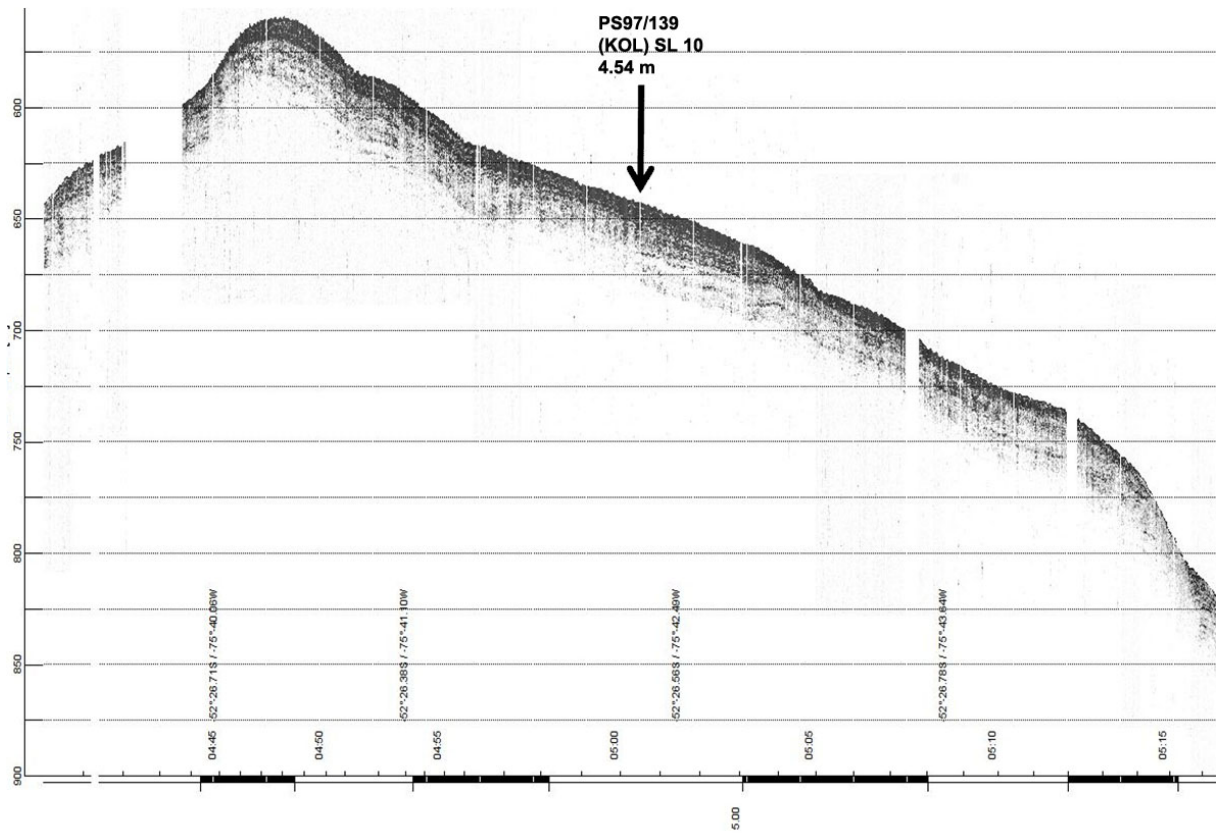
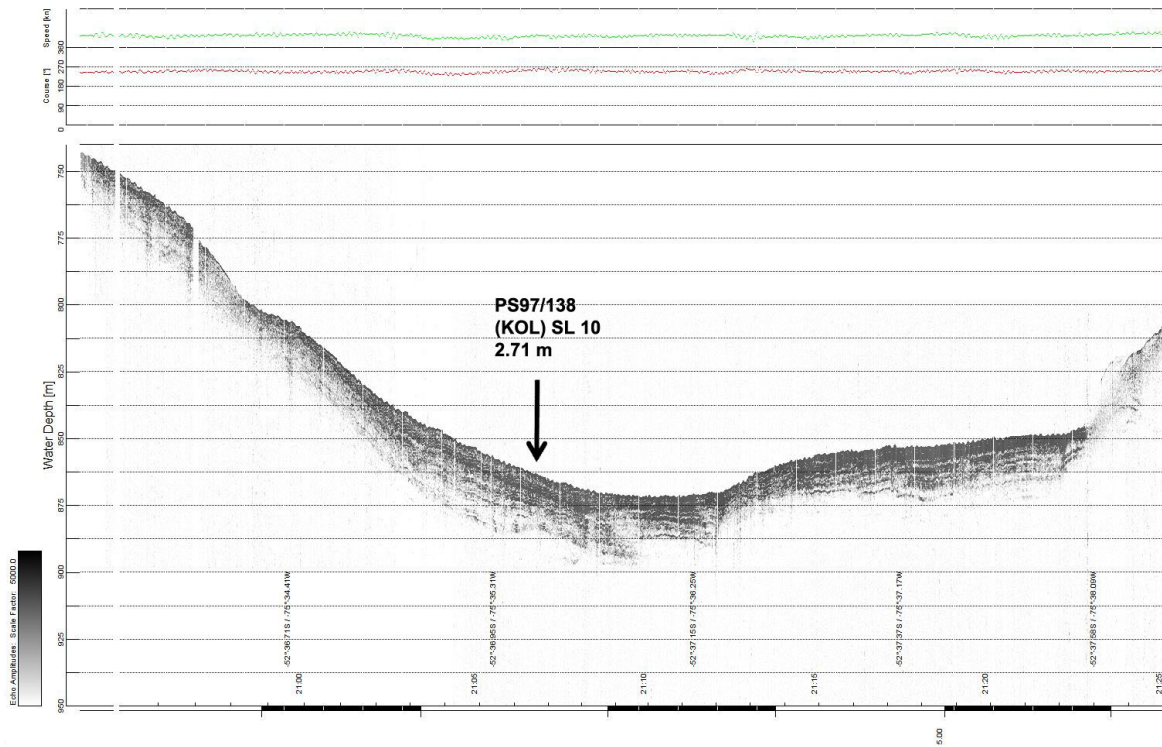
Appendix A.10 PARASOUND profiles



Appendix A.10 PARASOUND profiles



Appendix A.10 PARASOUND profiles



PS97 PALEODRAKE

CTD N^o: 00101

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	21/02/2016	07:20	304	17	4.5	981.6

Latitude	Longitude
54° 33.94' S	62° 34.97' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (um/kg)	Fluorescence (mg/m3)
1	400	3.86	34.11	27.09	277.35	0.01
2	305	4.32	34.11	27.04	284.18	0.01
3	300	4.50	34.12	27.03	285.29	0.01
4	250	4.60	34.12	27.02	286.17	0.04
5	200	4.78	34.12	27.01	287.27	0.04
6	180	4.79	34.12	27.00	288.05	0.04
7	160	4.84	34.12	26.99	287.99	0.06
8	140	4.87	34.12	26.99	287.95	0.04
9	120	4.89	34.12	26.99	288.07	0.04
10	100	5.19	34.11	26.95	289.45	0.11
11	90	5.38	34.09	26.91	290.21	0.13
12	80	5.53	34.09	26.89	292.41	0.14
13	70	5.60	34.08	26.88	292.59	0.17
14	60	5.61	34.08	26.87	292.72	0.17
15	50	5.69	34.07	26.86	293.22	0.17
16	45	5.80	34.07	26.84	293.28	0.19
17	40	5.78	34.07	26.84	293.02	0.17
18	35	5.79	34.07	26.84	293.46	0.17
19	30	5.79	34.07	26.84	293.57	0.18
20	25	5.79	34.07	26.84	293.51	0.19
21	20	5.83	34.06	26.83	293.73	0.18
22	15	5.83	34.06	26.83	293.79	0.18
23	10	5.82	34.06	26.83	293.62	0.17
24	5	5.84	34.06	26.83	293.67	0.17

PS97 PALEODRAKE

CTD N°: 00201

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	21/02/2016	11:15	301	17.1	8	985.5

Latitude	Longitude
54° 40.73' S	61° 55.98' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	1280	2.67	34.51	27.52	165.93	0.01
2	1250	2.68	34.50	27.52	166.59	0.01
3	1000	2.84	34.43	27.45	182.3	0.01
4	750	3.26	34.22	27.24	234.41	0.01
5	500	3.68	34.13	27.12	270.29	0.01
6	300	4.31	34.13	27.06	282.56	0.01
7	250	4.51	34.13	27.04	286.36	0.01
8	200	4.62	34.13	27.03	288.98	0.01
9	160	4.73	34.13	27.02	290.40	0.01
10	150	4.75	34.14	27.02	290.33	0.025
11	125	4.84	34.13	27.01	291.08	0.04
12	100	5.12	34.09	26.94	293.49	0.10
13	80	5.70	34.06	26.85	295.66	0.17
14	60	5.82	34.06	26.83	296.17	0.17
15	40	5.93	34.05	26.81	296.26	0.17
16	20	5.94	34.05	26.81	296.33	0.13
17	10	5.95	34.05	26.81	296.51	0.071
18	5	5.96	34.05	26.81	296.6	0.041
19	5	5.95	34.05	26.81	296.72	0.070
20	5	5.96	34.05	26.81	296.55	0.041
21	5	5.95	34.05	26.81	296.64	0.041
22	5	5.95	34.05	26.81	296.48	0.041
23	5	5.95	34.05	26.81	296.89	0.041
24	5	5.95	34.05	26.81	296.61	0.041

PS97 PALEODRAKE

CTD N°: 00701

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel. (m/s)		
PS97	22/02/2016	19:38	250	15.3	7.8	986.1

Latitude	Longitude
54° 53.84' S	65° 02.35' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	104	7.32	33.90	26.51	282.11	0.12
2	80	7.83	33.90	26.38	279.18	0.14
3	60	8.75	33.83	25.88	275.02	0.16
4	40	9.12	33.37	25.45	283.16	0.51
5	20	9.19	32.90	25.32	288.73	0.56
6	10	9.20	32.74	25.31	289.95	0.66
7	5	9.22	32.73	25.31	289.51	0.47
8	5	9.21	32.73	25.31	290.02	0.48
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 00801

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	23/02/2016	01:05	257	19	7.7	994.9

Latitude	Longitude
55° 18.47' S	65° 46.44' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	1658	2.59	34.54	27.56	162.50	0.01
2	1500	2.67	34.52	27.53	164.34	0.01
3	1250	2.84	34.44	27.45	174.87	0.01
4	1000	3.26	34.28	27.29	213.03	0.01
5	900	3.54	34.20	27.19	241.23	0.01
6	750	3.90	34.11	27.09	278.55	0.01
7	500	4.71	34.14	27.028	286.62	0.01
8	300	5.13	34.15	26.98	289.29	0.04
9	250	5.62	34.10	26.89	291.81	0.13
10	200	6.09	34.08	26.81	294.22	0.19
11	175	6.20	34.07	26.79	292.49	0.14
12	150	6.23	34.07	26.79	292.19	0.13
13	125	6.34	34.06	26.77	291.33	0.13
14	100	6.55	34.04	26.72	291.13	0.16
15	80	6.87	34	26.65	290.73	0.20
16	60	6.87	34	26.65	290.57	0.22
17	40	6.87	34	26.65	290.96	0.28
18	20	6.87	34	26.65	291.06	0.23
19	10	6.88	34	26.65	290.77	0.25
20	5	6.89	34	26.65	290.82	0.24
21	5	6.90	34	26.65	291	0.25
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 01601

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	25/02/2016	00:00	332	4.4	6.2	997.2

Latitude	Longitude
55° 37.81' S	71° 07.32' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	1980	2.24	34.64	27.66	135.05	0.01
2	1500	2.56	34.57	27.58	134.75	0.01
3	1250	2.84	34.46	27.47	145.29	0.01
4	1000	3.34	34.31	27.3	173.71	0.01
5	750	4.04	34.16	27.12	216.93	0.01
6	500	4.79	34.15	27.02	242.07	0.01
7	300	5.13	34.13	26.97	245.91	0.01
8	250	5.45	34.11	26.92	243.97	0.04
9	200	6.35	34.06	26.76	247.69	0.072
10	150	6.89	34.03	26.67	280.24	0.14
11	150	6.90	34.03	26.67	278.11	0.12
12	100	6.94	34.02	26.66	277.33	0.14
13	80	6.94	34.02	26.65	281.47	0.14
14	60	6.94	34.019	26.65	281.15	0.14
15	60	6.94	34.019	26.65	282.22	0.15
16	40	6.98	34.011	26.64	279.25	0.16
17	40	6.98	34.012	26.64	279.35	0.14
18	20	7.02	34.00	26.63	271.31	0.13
19	20	7.02	34.00	26.63	273.15	0.13
20	10	7.03	33.99	26.63	271.60	0.13
21	10	7.03	33.99	26.63	274.81	0.13
22	5	7.02	33.99	26.63	275.41	0.13
23	5	7.03	33.99	26.63	272.73	0.13
24	5	7.02	33.99	26.63	274.51	0.14

PS97 PALEODRAKE

CTD N^o: 01701

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	25/02/2016	02:25				

Latitude	Longitude
55° 31.80' S	71° 00.38' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	786	3.95	34.16	27.12	261.39	0.01
2	750	4.02	34.15	27.10	265.50	0.01
3	500	4.64	34.14	27.04	284.32	0.01
4	300	5.43	34.12	26.92	284.09	0.04
5	250	6.18	34.05	26.78	277.13	0.04
6	200	6.90	34.03	26.66	287.09	0.13
7	150	6.98	34.02	26.65	287.63	0.13
8	100	7.19	33.99	26.60	283.77	0.10
9	100	7.19	33.99	26.59	283.96	0.10
10	80	7.28	33.98	26.58	282.66	0.10
11	60	7.42	33.96	26.54	281.07	0.13
12	60	7.42	33.96	26.54	281.60	0.13
13	40	7.43	33.95	26.54	281.38	0.13
14	40	7.44	33.96	26.54	281.49	0.14
15	20	7.50	33.94	26.51	281.30	0.13
16	20	7.52	33.94	26.51	280.76	0.13
17	10	7.66	33.91	26.47	279.77	0.13
18	10	7.69	33.90	26.46	279.11	0.13
19	5	7.70	33.90	26.45	279.29	0.13
20	5	7.72	33.90	26.45	279.52	0.14
21	5	7.70	33.90	26.46	279.32	0.13
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 01801

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	25/02/2016	04:05	347	9.7	6.5	993.4

Latitude	Longitude
55° 26.43' S	70° 53.43' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	130	8.92	33.64	26.07	271.79	0.17
2	100	9.23	33.54	25.94	271.10	0.16
3	100	9.21	33.55	25.95	270.80	0.15
4	80	9.44	33.47	25.85	270.14	0.17
5	60	9.49	33.44	25.82	269.63	0.18
6	60	9.50	33.44	25.82	269.64	0.17
7	40	9.64	33.36	25.73	269.42	0.20
8	40	9.65	33.36	25.73	269.27	0.19
9	20	9.66	33.34	25.71	269.22	0.18
10	20	9.66	33.34	25.71	269.45	0.18
11	10	9.66	33.34	25.71	269.23	0.18
12	10	9.66	33.34	25.71	269.12	0.18
13	5	9.65	33.34	25.71	269.42	0.17
14	5	9.65	33.34	25.71	269.29	0.17
15	5	9.65	33.34	25.71	269.30	0.19
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 01901

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	25/02/2016	05:13	12	8.9	6.5	992.2

Latitude	Longitude
55° 20.43' S	70° 46.64' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	80	9.47	33.43	25.82	267.99	0.16
2	60	9.62	33.33	25.71	267.41	0.14
3	40	9.73	33.25	25.63	267.38	0.20
4	20	9.75	33.22	25.60	266.67	0.19
5	10	9.73	33.16	25.56	268.47	0.19
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 02602

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	26/02/2016	23:17	328	16	8	997.9

Latitude	Longitude
54° 40.81' S	73° 49.87' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	200	5.52	34.10	26.90	278.32	0.04
2	180	5.60	34.09	26.88	276.37	0.03
3	160	5.86	34.07	26.83	271.61	0.04
4	150	5.98	34.06	26.81	271.44	0.04
5	140	6.08	34.05	26.80	265.41	0.04
6	120	6.25	34.04	26.77	266.82	0.04
7	100	6.64	34.01	26.69	260.65	0.04
8	90	6.87	33.99	26.64	260.39	0.06
9	80	7.27	33.97	26.57	268.68	0.10
10	70	7.72	33.94	26.48	280.17	0.17
11	60	7.73	33.94	26.48	280.92	0.17
12	50	7.72	33.93	26.47	281.41	0.17
13	45	7.72	33.93	26.47	281.83	0.18
14	40	7.72	33.93	26.47	281.99	0.18
15	35	7.72	33.92	26.47	282.39	0.21
16	30	7.72	33.92	26.47	282.60	0.16
17	25	7.72	33.92	26.46	282.71	0.15
18	20	7.86	33.91	26.44	282.22	0.14
19	15	8.03	33.90	26.40	283.28	0.15
20	10	8.03	33.89	26.40	283.46	0.16
21	5	8.04	33.90	26.40	282.97	0.15
22	5	8.04	33.90	26.40	283.20	0.15
23						
24						

PS97 PALEODRAKE

CTD N°: 02901

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	28/02/2016	01:27	282	11.3	7	1003

Latitude	Longitude
55° 44.31' S	71° 13.00' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	6.35	34.06	26.76	283.69	0.06
2	100	6.83	34.03	26.67	286.95	0.14
3	80	6.94	34.01	26.65	287.39	0.14
4	60	7.18	33.96	26.57	286.15	0.19
5	40	7.34	33.96	26.55	287.08	0.14
6	20	7.41	33.95	26.54	287.98	0.14
7	10	7.43	33.95	26.54	287.64	0.13
8	5	7.42	33.95	26.54	287.47	0.13
9	5	7.44	33.95	26.53	287.70	0.13
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 03001

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	28/02/2016	03:53	281	11.3	7	1003

Latitude	Longitude
55° 50.25' S	71° 19.14' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	6.14	34.07	26.80	284.09	0.04
2	100	6.90	34.03	26.67	286.31	0.10
3	80	6.98	34.02	26.65	287.84	0.14
4	60	7.12	34.00	26.61	287.75	0.20
5	40	7.24	33.99	26.59	288.10	0.19
6	20	7.26	33.98	26.58	288.10	0.16
7	10	7.26	33.98	26.58	288.86	0.17
8	5	7.28	33.98	26.58	288.37	0.18
9	5	7.28	33.98	26.58	288.39	0.17
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 03101

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel. (m/s)		
PS97	28/02/2016	06:26	260	14		

Latitude	Longitude
55° 56.31' S	71° 25.24' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	6.00	34.08	26.83	286.12	0.04
2	100	6.79	34.04	26.69	286.56	0.15
3	100	6.79	34.04	26.69	286.58	0.15
4	80	6.87	34.03	26.67	288.39	0.17
5	60	7.01	34.01	26.64	288.65	0.19
6	60	7.01	34.01	26.64	288.69	0.19
7	40	7.11	34.00	26.61	288.79	0.14
8	40	7.10	34.00	26.62	288.33	0.16
9	20	7.27	33.99	26.58	287.23	0.16
10	20	7.28	33.98	26.58	287.25	0.16
11	10	7.31	33.98	26.58	287.52	0.14
12	10	7.31	33.98	26.58	287.42	0.14
13	5	7.29	33.98	26.58	287.80	0.16
14	5	7.29	33.98	26.58	287.49	0.14
15	5	7.29	33.98	26.58	287.61	0.15
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 03201

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	28/02/2016	09:00				

Latitude	Longitude
56° 02.25' S	71° 31.94' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	5.44	34.11	26.92	284.78	0.11
2	100	6.61	34.04	26.72	284.90	0.17
3	100	6.60	34.04	26.72	284.88	0.18
4	80	7.03	34.02	26.64	286.53	0.21
5	60	7.16	34.01	26.62	285.63	0.14
6	60	7.17	34.01	26.62	285.97	0.13
7	40	7.23	34.01	26.60	286.63	0.13
8	40	7.23	34.00	26.60	286.26	0.14
9	20	7.23	34.00	26.60	286.98	0.13
10	20	7.22	34.00	26.60	286.58	0.14
11	10	7.23	34.00	26.60	287.01	0.13
12	10	7.23	34.00	26.60	287.03	0.13
13	5	7.23	34.00	26.60	286.83	0.13
14	5	7.23	34.00	26.60	287.04	0.13
15	5	7.23	34.00	26.60	287.11	0.15
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 03301

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	28/02/2016	13:06	210	6		1008

Latitude	Longitude
56° 24.48' S	71° 45.66' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	4000	0.95	34.71	27.81	194.07	0.01
2	3500	1.14	34.71	27.80	191.35	0.01
3	3000	1.57	34.72	27.78	181.56	0.01
4	2500	1.88	34.70	27.74	169.02	0.01
5	2000	2.26	34.67	27.68	167.96	0.01
6	1500	2.63	34.52	27.53	167.11	0.01
7	1000	3.51	34.30	27.28	202.34	0.01
8	500	4.73	34.16	27.04	276.79	0.01
9	250	5.13	34.16	26.99	287.12	0.01
10	250	5.14	34.16	26.99	286.86	0.01
11	150	5.22	34.12	26.95	286.94	0.04
12	150	5.22	34.12	26.95	286.64	0.04
13	100	5.71	34.08	26.86	285.14	0.18
14	100	5.72	34.08	26.86	285.14	0.17
15	80	6.15	34.05	26.78	283.21	0.25
16	60	6.96	34.02	26.65	286.91	0.14
17	60	6.97	34.02	26.65	287.19	0.15
18	40	7.09	34.01	26.62	287.84	0.07
19	20	7.10	34	26.62	288.21	0.06
20	20	7.10	34	26.62	288.22	0.04
21	10	7.11	34	26.61	288.15	0.04
22	5	7.12	33.99	26.61	288.37	0.027
23	5	7.13	33.99	26.61	288.33	0.02
24	5	7.14	33.99	26.61	288.29	0.04

PS97 PALEODRAKE

CTD N^o: 03402

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	28/02/2016	20:38	278	4.8	6.2	1012.5

Latitude	Longitude
56° 51.28' S	71° 10.78' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m ³)	Oxygen (ml/l)	Fluorescence (mg/m ³)
1	4060	0.85	34.71	27.82	195.43	0.01
2	3500	1.11	34.71	27.81	190.97	0.01
3	3000	1.50	34.72	27.78	181.35	0.01
4	2500	1.81	34.72	27.76	174.20	0.01
5	2250	2.02	34.71	27.74	174.67	0.01
6	2000	2.19	34.69	27.71	170.29	0.01
7	1750	2.33	34.65	27.66	166.30	0.01
8	1500	2.48	34.59	27.60	164.27	0.03
9	1250	2.71	34.49	27.51	168.92	0.01
10	1000	3.03	34.39	27.40	183.68	0.01
11	750	3.50	34.30	27.28	203.43	0.01
12	500	4.05	34.21	27.15	231.71	0.01
13	300	4.20	34.13	27.08	271.40	0.01
14	250	4.27	34.12	27.06	284.49	0.01
15	200	4.74	34.13	27.01	296.95	0.01
16	150	5.67	34.12	26.90	292.25	0.16
17	100	6.37	34.07	26.77	291.19	0.20
18	80	6.38	34.07	26.77	292.14	0.23
19	60	6.42	34.07	26.77	292.04	0.25
20	40	6.54	34.07	26.75	292.69	0.17
21	20	6.58	34.07	26.75	292.59	0.15
22	10	6.69	34.08	26.73	292.78	0.16
23	5	6.69	34.08	26.73	292.70	0.17
24	5	6.70	34.08	26.73	292.71	0.17

PS97 PALEODRAKE

CTD N°: 03501

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	29/02/2016	02:12	302	7.7	6.3	1013.3

Latitude	Longitude
57° 16.46' S	70° 36.29' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	100	5.55	34.10	26.90	292.18	0.21
2	80	6.07	34.08	26.81	292.85	0.26
3	60	6.42	34.06	26.76	291.65	0.23
4	40	6.47	34.05	26.74	292.15	0.21
5	20	6.72	34.04	26.70	291.62	0.17
6	10	6.74	34.04	26.70	291.80	0.14
7	5	6.73	34.04	26.70	291.80	0.14
8	5	6.73	34.04	26.70	291.74	0.15
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 03601

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	29/02/2016	07:21	309	9.8	6.2	1012.3

Latitude	Longitude
57° 41.63' S	69° 59.00' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m ³)	Oxygen (ml/l)	Fluorescence (mg/m ³)
1	3882	0.99	34.71	27.81	193.27	0.01
2	3750	0.99	34.71	27.81	192.77	0.01
3	3500	1.19	34.71	27.80	190.17	0.01
4	3000	1.55	34.72	27.78	183.64	0.01
5	2500	1.82	34.70	27.75	168.26	0.01
6	2000	2.07	34.67	27.70	157.08	0.01
7	1750	2.26	34.64	27.67	157.04	0.01
8	1500	2.48	34.59	27.60	155.16	0.02
9	1250	2.68	34.51	27.52	167.08	0.01
10	1000	2.94	34.38	27.39	187.86	0.01
11	750	3.67	34.27	27.24	210.33	0.01
12	500	4.03	34.13	27.09	264.08	0.01
13	300	4.63	34.12	27.02	290.19	0.01
14	250	4.76	34.13	27.013	291.61	0.01
15	200	4.91	34.14	27.00	290.68	0.03
16	150	4.99	34.12	26.98	292.51	0.06
17	100	6.10	34.07	26.81	292.51	0.16
18	80	6.21	34.07	26.79	292.99	0.19
19	60	6.28	34.07	26.78	293.45	0.19
20	40	6.32	34.07	26.78	293.72	0.16
21	20	6.37	34.07	26.77	293.92	0.15
22	10	6.38	34.07	26.77	293.91	0.14
23	5	6.41	34.07	26.76	293.89	0.14
24	5	6.41	34.07	26.76	294.20	0.15

PS97 PALEODRAKE

CTD N°: 03701

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	29/02/2016	13:24	326	9.4	5.9	1011.7

Latitude	Longitude
58° 09.94' S	69° 15.37' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	3122	1.16	34.72	27.81	189.71	0.01
2	3000	1.30	34.72	27.80	186.65	0.01
3	2750	1.50	34.72	27.78	181.83	0.01
4	2500	1.67	34.72	27.77	176.64	0.01
5	2250	1.85	34.71	27.75	172.85	0.01
6	2000	2.03	34.71	27.73	172.15	0.01
7	1740	2.19	34.68	27.70	166.84	0.01
8	1500	2.35	34.63	27.65	166.01	0.01
9	1250	2.56	34.53	27.55	167.98	0.01
10	1000	2.77	34.43	27.45	179.82	0.01
11	750	3.05	34.27	27.30	213.77	0.01
12	500	3.49	34.15	27.16	247.05	0.01
13	300	3.44	34.05	27.08	294.43	0.01
14	250	3.59	34.05	27.07	295.19	0.01
15	200	3.76	34.05	27.05	292.77	0.01
16	150	3.82	34.02	27.02	301.60	0.09
17	100	5.12	34.02	26.88	299.29	0.22
18	80	5.25	33.98	26.84	299.85	0.23
19	60	5.31	33.98	26.83	299.89	0.18
20	40	5.53	34.00	26.82	298.85	0.14
21	20	5.42	33.98	26.82	301.26	0.074
22	10	5.49	33.98	26.81	301.38	0.04
23	5	5.43	33.98	26.82	301.58	0.04
24	5	5.43	33.98	26.82	301.22	0.04

PS97 PALEODRAKE

CTD N^o: 03801

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	29/02/2016	19:38	342	14.5	6.8	1007.3

Latitude	Longitude
58° 47.58' S	68° 25.33' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	3750	0.77	34.71	27.82	196.80	0.01
2	3500	0.84	34.71	27.82	195.66	0.01
3	3250	0.99	34.71	27.82	193.49	0.01
4	3000	1.20	34.72	27.81	190.13	0.01
5	2750	1.36	34.72	27.80	186.61	0.01
6	2500	1.56	34.73	27.79	183.94	0.01
7	2250	1.68	34.71	27.77	174.95	0.01
8	2000	1.83	34.70	27.74	163.75	0.01
9	1750	1.95	34.68	27.72	159.99	0.01
10	1500	2.18	34.67	27.69	163.83	0.03
11	1250	2.40	34.61	27.62	165.64	0.01
12	1000	2.59	34.52	27.54	168.17	0.01
13	750	2.80	34.38	27.41	187.99	0.01
14	500	2.99	34.21	27.25	231.15	0.01
15	250	3.32	34.04	27.09	284.74	0.01
16	150	3.76	34.03	27.04	294.13	0.02
17	100	3.92	34.02	27.01	297.44	0.11
18	80	4.26	34.01	26.97	298.53	0.19
19	60	4.81	33.95	26.87	303.35	0.29
20	40	4.83	33.95	26.86	303.79	0.23
21	20	4.98	33.95	26.84	304.37	0.18
22	10	4.98	33.95	26.84	305.05	0.17
23	5	4.98	33.95	26.84	305.00	0.17
24	5	4.98	33.95	26.844	305.21	0.17

PS97 PALEODRAKE

CTD N^o: 03901

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	01/03/2016	03:06	4	18.7	5.6	1001.9

Latitude	Longitude
59° 20.84' S	67° 13.03' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	1.08	33.96	27.20	310.14	0.06
2	100	0.50	33.83	27.14	334.81	0.25
3	80	1.36	33.73	26.99	334.04	0.31
4	60	2.17	33.68	26.90	326.58	0.20
5	40	2.52	33.67	26.86	324.70	0.17
6	20	2.54	33.67	26.86	324.71	0.14
7	10	2.59	33.66	26.85	325.19	0.14
8	5	2.60	33.66	26.85	325.51	0.14
9	5	2.60	33.66	26.85	325.36	0.15
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 04001

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	01/03/2016	08:47				

Latitude	Longitude
54° 41.42' S	66° 26.80' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	1.3194	34.0127	27.2303	302.742	0.0105
2	100	1.3816	33.9667	27.1891	311.748	0.071
3	80	1.3685	33.9104	27.1448	323.85	0.3693
4	60	1.3997	33.8716	27.1116	328.98	0.5481
5	40	2.411	33.6849	26.8858	324.377	0.1643
6	20	2.7141	33.6911	26.8652	323.315	0.1363
7	10	2.7311	33.6911	26.8635	323.391	0.132
8	5	2.7347	33.6916	26.8638	323.705	0.1401
9	5	2.7336	33.6915	26.8638	323.554	0.1314
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 04101

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	01/03/2016	14:35	294	16.6	3.4	1000.4

Latitude	Longitude
60° 01.09' S	65° 41.86' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	300	2.16	34.41	27.49	188.74	0.01
2	25	1.56	34.25	27.40	229.11	0.01
3	200	1.08	34.17	27.37	251.37	0.03
4	180	0.47	34.08	27.34	275.66	0.04
5	160	-0.20	33.99	27.30	297.32	0.05
6	140	-1.04	33.88	27.24	326.37	0.10
7	120	-1.22	33.84	27.22	335.84	0.13
8	100	-1.28	33.81	27.20	343.26	0.21
9	90	-1.11	33.79	27.18	349.01	0.23
10	80	-1.09	33.79	27.18	348.44	0.24
11	80	-0.09	33.74	27.10	341.01	0.29
12	70	1.38	33.67	26.95	331.44	0.22
13	60	1.47	33.67	26.94	332.19	0.21
14	50	1.48	33.67	26.94	332.69	0.21
15	45	1.48	33.67	26.94	332.43	0.19
16	40	1.50	33.67	26.94	332.82	0.19
17	35	1.49	33.67	26.94	332.58	0.19
18	30	1.48	33.67	26.94	332.91	0.15
19	20	1.49	33.67	26.94	332.58	0.14
20	15	1.49	33.67	26.94	332.99	0.10
21	10	1.49	33.67	26.94	332.99	0.10
22	10	1.50	33.67	26.94	333.17	0.09
23						
24						

PS97 PALEODRAKE

CTD N°: 04103

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	01/03/2016	16:47	278	19.6	2.9	1000.8

Latitude	Longitude
60° 01.06' S	65° 41.75' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	3380	0.57	34.70	27.83	201.33	0.01
2	3250	0.57	34.70	27.83	201.02	0.01
3	3000	0.60	34.70	27.83	199.93	0.01
4	2750	0.71	34.71	27.83	198.05	0.01
5	2500	0.83	34.71	27.82	195.94	0.01
6	2250	0.96	34.71	27.82	194.32	0.01
7	2000	0.96	34.71	27.82	194.19	0.01
8	1750	1.37	34.72	27.80	187.82	0.01
9	1500	1.54	34.73	27.79	185.02	0.01
10	1250	1.77	34.73	27.77	181.49	0.01
11	1000	2.01	34.71	27.74	175.89	0.01
12	750	2.16	34.67	27.70	170.58	0.01
13	500	2.25	34.58	27.61	168.51	0.01
14	225	1.71	34.28	27.42	220.59	0.01
15	175	0.87	34.14	27.36	259.67	0.03
16	150	0.23	34.05	27.33	283.45	0.04
17	125	-0.85	33.91	27.26	317.68	0.09
18	100	-1.29	33.83	27.22	337.54	0.15
19	80	-1.22	33.81	27.19	344.45	0.24
20	60	1.04	33.66	26.96	340.94	0.25
21	40	1.45	33.67	26.94	331.93	0.19
22	20	1.46	33.67	26.94	332.32	0.19
23	10	1.47	33.66	26.94	332.68	0.16
24	10	1.47	33.67	26.94	332.61	0.16

PS97 PALEODRAKE

CTD N^o: 04303

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	03/03/2016	08:48	8	12.4	4	994.9

Latitude	Longitude
60° 24.75' S	66° 21.78' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	0.32	33.95	27.24	313.99	0.01
2	100	-0.52	33.82	27.17	339.46	0.15
3	80	-0.10	33.81	27.15	340.21	0.20
4	60	1.06	33.73	27.02	334.69	0.50
5	40	1.73	33.69	26.94	332.24	0.36
6	20	1.75	33.69	26.94	332.39	0.32
7	10	1.76	33.69	26.94	332.34	0.29
8	5	1.76	33.69	26.94	332.48	0.29
9	5	1.76	33.69	26.94	332.49	0.29
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 04607

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	04/03/2016	04:07	321	12.6	2.7	994

Latitude	Longitude
60° 59.82' S	65° 21.20' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	2500	1.05	34.72	27.81	192.23	0.01
2	2250	1.23	34.72	27.81	189.85	0.01
3	2000	1.39	34.73	27.80	187.48	0.01
4	1750	1.58	34.73	27.79	184.44	0.01
5	1500	1.80	34.72	27.77	179.91	0.01
6	1250	1.99	34.71	27.74	175.75	0.01
7	1000	2.20	34.66	27.69	169.46	0.01
8	750	2.34	34.59	27.62	167.23	0.01
9	500	2.41	34.45	27.50	178.33	0.01
10	350	2.27	34.30	27.39	209.77	0.01
11	300	2.21	34.27	27.37	219.31	0.01
12	250	1.88	34.18	27.33	246.64	0.01
13	200	1.38	34.10	27.29	274.71	0.01
14	175	0.74	34.00	27.26	303.11	0.02
15	150	0.29	33.95	27.24	317.44	0.04
16	125	-0.02	33.90	27.22	325.26	0.07
17	100	-0.09	33.85	27.18	333.21	0.16
18	80	-0.07	33.81	27.15	338.40	0.21
19	60	1.43	33.70	26.97	331.41	0.18
20	40	1.82	33.68	26.93	329.18	0.15
21	20	1.84	33.68	26.93	329.29	0.14
22	10	1.85	33.68	26.93	329.46	0.14
23	5	1.85	33.68	26.93	329.68	0.14
24	5	1.85	33.68	26.93	329.76	0.14

PS97 PALEODRAKE

CTD N°: 04701

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	04/03/2016	09:30	300	14.1	2.8	991.8

Latitude	Longitude
61° 27.15' S	64° 52.45' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	-0.51	33.92	27.26	316.28	0.04
2	100	-1.29	33.81	27.20	343.55	0.13
3	80	-0.68	33.77	27.14	346.59	0.27
4	60	1.24	33.69	26.98	334.94	0.37
5	40	1.53	33.68	26.95	332.54	0.27
6	20	1.57	33.68	26.95	332.68	0.24
7	10	1.58	33.68	26.94	332.04	0.16
8	5	1.59	33.68	26.94	332.53	0.16
9	5	1.59	33.68	26.94	332.23	0.16
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 05002

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	05/03/2016	02:21	2	6.1	0.9	995.4

Latitude	Longitude
61° 44.70' S	65° 02.00' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	-0.26	34.00	27.31	293.68	0.04
2	100	-1.48	33.81	27.20	341.56	0.18
3	80	-1.30	33.79	27.18	345.90	0.20
4	60	0.11	33.73	27.08	341.96	0.63
5	60	0.23	33.70	27.04	341.63	0.71
6	40	1.62	33.62	26.89	333.59	0.91
7	20	1.64	33.62	26.89	334.26	0.94
8	10	1.67	33.62	26.89	334.36	0.86
9	5	1.66	33.62	26.89	334.47	0.85
10	5	1.65	33.62	26.89	334.41	0.87
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 05101

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	05/03/2016	07:46	51	10.9	0.3	985.9

Latitude	Longitude
62° 11.97' S	64° 47.32' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	1.26	34.24	27.42	235.48	0.03
2	100	-0.81	33.96	27.30	304.33	0.09
3	80	-1.43	33.85	27.24	331.65	0.22
4	60	-0.82	33.76	27.15	343.62	0.64
5	40	1.43	33.63	26.92	334.38	0.99
6	20	1.55	33.62	26.90	334.33	0.89
7	10	1.55	33.62	26.90	334.97	0.85
8	5	1.55	33.62	26.90	334.81	0.86
9	5	1.55	33.62	26.90	334.67	0.86
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 05201

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	05/03/2016	12:58	49	12.5	0.9	979.5

Latitude	Longitude
62° 29.95' S	64° 17.61' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	2830	0.37	34.69	27.84	206.09	0.01
2	2500	0.47	34.70	27.84	202.02	0.01
3	2000	0.63	34.71	27.83	199.95	0.01
4	1500	0.93	34.72	27.82	195.22	0.01
5	1250	1.07	34.72	27.82	193.23	0.01
6	1000	1.26	34.73	27.81	190.12	0.01
7	750	1.50	34.73	27.79	185.28	0.01
8	500	1.68	34.70	27.75	177.51	0.01
9	400	1.56	34.62	27.70	178.68	0.01
10	300	1.12	34.49	27.62	194.21	0.01
11	250	0.45	34.37	27.57	213.67	0.03
12	200	0.28	34.0	27.52	227.55	0.03
13	175	-0.03	34.22	27.48	240.86	0.04
14	150	-0.12	34.20	27.47	244.64	0.07
15	125	-0.54	34.10	27.40	267.35	0.08
16	100	-0.55	33.89	27.24	292.42	0.18
17	80	-0.08	33.75	27.10	310.89	0.36
18	60	0.74	33.58	26.92	324.41	0.89
19	40	1.17	33.46	26.80	335.85	1.32
20	20	1.20	33.45	26.79	337.18	1.23
21	10	1.21	33.45	26.79	337.20	0.83
22	5	1.21	33.45	26.79	337.40	0.77
23	5	1.21	33.45	26.79	337.24	0.66
24						

PS97 PALEODRAKE

CTD N°: 05303

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	06/03/2016	01:45	290	7.3	1.7	975.9

Latitude	Longitude
62° 39.63' S	63° 06.15' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	0.52	34.40	27.59	209.17	0.04
2	100	-0.27	34.24	27.50	236.02	0.04
3	80	-0.60	34.16	27.46	248.01	0.05
4	60	-0.78	33.91	27.26	282.54	0.15
5	40	0.63	33.82	27.12	310.90	0.15
6	20	0.98	33.64	26.95	327.41	0.61
7	10	1.01	33.49	26.83	335.99	1.01
8	5	1.06	33.45	26.79	338.87	1.22
9	5	1.11	33.45	26.79	337.72	1.25
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 07601

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	13/03/2016	02:06	325	5.1	0.2	987.6

Latitude	Longitude
60° 30.04' S	55° 30.02' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m ³)	Oxygen (ml/l)	Fluorescence (mg/m ³)
1	3577	0.05	34.66	27.83	219.19	0.01
2	3500	0.06	34.66	27.83	218.13	0.01
3	3500	0.06	34.66	27.83	218.41	0.01
4	3250	0.05	34.66	27.83	219.15	0.01
5	3000	0.06	34.66	27.83	217.65	0.01
6	3000	0.06	34.66	27.83	218.18	0.01
7	2750	0.09	34.66	27.83	217.01	0.01
8	2500	0.17	34.67	27.83	214.48	0.01
9	2500	0.17	34.67	27.83	214.11	0.01
10	2250	0.29	34.68	27.83	210.25	0.01
11	2000	0.45	34.69	27.83	205.28	0.01
12	2000	0.45	34.69	27.83	205.34	0.01
13	1750	0.61	34.70	27.83	202.10	0.01
14	1500	0.69	34.69	27.82	204.10	0.02
15	1500	0.69	34.69	27.81	204.15	0.01
16	1250	0.97	34.71	27.81	197.10	0.01
17	1000	1.37	34.73	27.80	187.60	0.01
18	750	1.63	34.73	27.78	182.72	0.01
19	500	1.84	34.70	27.75	176.31	0.01
20	500	1.84	34.70	27.75	176.28	0.01
21	200	1.20	34.50	27.63	193.05	0.01
22	100	-0.19	34.17	27.45	247.44	0.07
23	60	0.19	33.90	27.21	295.14	0.31
24	10	1.12	33.90	26.99	324.14	0.68

PS97 PALEODRAKE

CTD N°: 07602

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	13/03/2016	05:51	47	10.6	-0.5	982.9

Latitude	Longitude
60° 30.02' S	55° 29.99' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	300	1.59	34.59	27.67	181.45	0.01
2	150	0.92	34.42	27.59	202.17	0.03
3	125	0.86	34.38	27.56	208.47	0.01
4	100	0.14	34.25	27.49	234.47	0.04
5	80	-0.32	34.14	27.43	255.74	0.09
6	60	-0.27	34.03	27.33	276.65	0.13
7	40	0.76	33.78	27.07	317.22	0.72
8	25	0.98	33.73	27.02	325.29	0.99
9	20	0.98	33.72	27.02	325.93	0.94
10	10	0.98	33.72	27.02	326.16	0.92
11	5	0.98	33.72	27.01	326.31	0.90
12	5	0.98	33.72	27.01	326.69	0.93
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 08101

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	15/03/2016	02:44	288	9.7	2.0	988

Latitude	Longitude
59° 34.77' S	59° 56.97' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	3700	0.56	34.70	27.83	201.09	0.01
2	3500	0.55	34.70	27.83	201.12	0.01
3	3250	0.54	34.70	27.83	201.12	0.01
4	3000	0.55	34.70	27.83	200.66	0.01
5	2750	0.61	34.70	27.83	199.19	0.01
6	2500	0.71	34.71	27.83	197.54	0.01
7	2250	0.85	34.71	27.82	195.32	0.01
8	2000	1.02	34.72	27.82	192.89	0.01
9	1750	1.15	34.72	27.81	190.98	0.01
10	1500	1.27	34.72	27.80	188.77	0.01
11	1250	1.44	34.73	27.79	186.06	0.01
12	1000	1.65	34.73	27.78	183.09	0.01
13	750	1.87	34.72	27.76	178.46	0.01
14	500	2.10	34.67	27.70	170.73	0.01
15	250	2.06	34.55	27.60	173.04	0.03
16	200	1.89	34.47	27.56	182.72	0.01
17	150	1.19	34.32	27.49	215.48	0.04
18	100	-0.19	34.11	27.40	265.47	0.09
19	80	-0.74	34.03	27.36	281.29	0.16
20	60	-1.11	33.94	27.30	303.13	0.34
21	40	1.25	33.60	26.91	323.17	0.42
22	20	1.31	33.61	26.91	327.39	0.38
23	10	1.31	33.61	26.91	328.14	0.39
24	5	1.32	33.61	26.91	328.63	0.38

PS97 PALEODRAKE

CTD N°: 08201

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	15/03/2016	06:33	284	11.6	2.4	991

Latitude	Longitude
59° 27.53' S	59° 47.67' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	1.27	34.40	27.54	200.51	0.01
2	100	0.05	34.18	27.44	249.07	0.06
3	80	-0.67	34.06	27.38	271.84	0.14
4	60	-0.87	33.97	27.31	290.71	0.37
5	40	1.05	33.63	26.94	322.66	0.49
6	20	1.29	33.61	26.91	326.94	0.48
7	10	1.30	33.61	26.91	327.31	0.48
8	10	1.30	33.61	26.91	327.30	0.48
9	5	1.32	33.61	26.90	327.69	0.48
10	5	1.33	33.61	26.90	327.67	0.46
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 08701

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	17/03/2016	06:03	290	8.5	2.7	993.2

Latitude	Longitude
58° 52.15' S	60° 51.91' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m ³)	Oxygen (ml/l)	Fluorescence (mg/m ³)
1	3578	0.15	34.66	27.83	216.03	0.01
2	3500	0.19	34.67	27.83	214.94	0.01
3	3500	0.19	34.67	27.83	215.01	0.01
4	3250	0.51	34.69	27.83	204.26	0.01
5	3000	0.64	34.70	27.83	199.22	0.01
6	3000	0.64	34.70	27.83	199.35	0.01
7	2750	0.76	34.71	27.83	196.92	0.01
8	2500	0.86	34.71	27.82	195.23	0.03
9	2500	0.86	34.71	27.82	195.37	0.01
10	2250	1.00	34.72	27.82	193.11	0.01
11	2000	1.19	34.72	27.81	190.01	0.01
12	2000	1.19	34.72	27.81	190.06	0.01
13	1750	1.36	34.72	27.80	187.29	0.01
14	1500	1.56	34.73	27.79	183.99	0.01
15	1500	1.56	34.73	27.77	183.65	0.01
16	1250	1.75	34.72	27.77	179.85	0.01
17	1000	1.96	34.71	27.74	176.53	0.01
18	750	2.15	34.67	27.70	170.78	0.01
19	500	2.23	34.57	27.61	168.99	0.01
20	500	2.23	34.57	27.61	169.12	0.01
21	200	1.48	34.20	27.37	241.44	0.01
22	100	-1.05	33.84	27.22	333.71	0.13
23	60	0.56	33.71	27.03	334.98	0.27
24	10	1.58	33.66	26.93	329.84	0.18

PS97 PALEODRAKE

CTD N°: 08703

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	17/03/2016	10:21	328	4.7	2.6	992.6

Latitude	Longitude
58° 52.13' S	60° 51.93' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	300	2.02	34.37	27.46	198.87	0.01
2	150	0.64	34.06	27.31	280.34	0.04
3	125	-0.61	33.91	27.26	317.65	0.07
4	100	-1.03	33.84	27.22	332.96	0.14
5	80	-0.97	33.81	27.19	341.46	0.20
6	60	1.56	33.65	26.92	329.91	0.19
7	40	1.58	33.66	26.93	329.76	0.18
8	25	1.58	33.66	26.93	329.76	0.17
9	20	1.58	33.66	26.93	330.14	0.17
10	10	1.58	33.66	26.93	330.23	0.18
11	5	1.58	33.66	26.93	330.53	0.16
12	5	1.59	33.66	26.93	330.62	0.16
13						
14						
15						
16						
17						
18	10	1.58	33.66	26.93	330.43	0.16
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 09801

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	24/03/2016	04:30	308	15.1	6.3	995.7

Latitude	Longitude
57° 32.71' S	68° 04.25' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	3800	0.99	34.71	27.81	192.22	0.01
2	3500	1.17	34.72	27.81	189.31	0.01
3	3250	1.35	34.72	27.80	186.85	0.01
4	3000	1.54	34.72	27.78	182.66	0.01
5	2750	1.74	34.72	27.77	178.97	0.01
6	2500	1.88	34.72	27.75	174.30	0.01
7	2250	1.98	34.69	27.72	162.65	0.01
8	2000	2.11	34.67	27.70	156.86	0.01
9	1750	2.28	34.64	27.66	153.52	0.01
10	1500	2.48	34.59	27.60	154.63	0.01
11	1250	2.78	34.49	27.50	159.60	0.01
12	1000	3.06	34.38	27.38	184.47	0.01
13	600	3.52	34.08	27.10	281.85	0.01
14	550	3.56	34.06	27.08	291.87	0.01
15	500	3.83	34.07	27.06	278.78	0.01
16	450	4.42	34.13	27.05	275.21	0.01
17	450	4.42	34.13	27.05	275.23	0.01
18	400	4.63	34.14	27.04	275.97	0.01
19	250	5.04	34.16	27.00	279.38	0.01
20	150	5.35	34.09	26.91	279.36	0.04
21	150	5.35	34.09	26.91	279.42	0.04
22	50	6.47	33.99	26.70	289.48	0.22
23	10	6.47	33.99	26.70	289.63	0.22
24	10	6.47	33.99	26.70	289.97	0.19

PS97 PALEODRAKE

CTD N°: 10101

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	24/03/2016	12:32	273	15.6	7.3	997.5

Latitude	Longitude
57° 18.59' S	67° 56.46' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	4370	0.99	34.71	27.81	193.08	0.01
2	4000	1.08	34.71	27.81	191.48	0.02
3	3750	1.25	34.72	27.80	189.00	0.01
4	3500	1.35	34.72	27.79	187.01	0.01
5	3250	1.51	34.72	27.79	183.81	0.01
6	3000	1.65	34.72	27.78	181.06	0.01
7	2750	1.78	34.72	27.77	178.13	0.01
8	2500	1.89	34.69	27.74	163.79	0.01
9	2250	2.13	34.70	27.72	170.12	0.01
10	2000	2.25	34.65	27.67	155.41	0.01
11	1500	2.65	34.54	27.55	155.10	0.01
12	1000	3.30	34.34	27.33	189.51	0.01
13	800	3.73	34.22	27.19	221.84	0.01
14	700	3.96	34.16	27.12	244.92	0.01
15	600	4.18	34.14	27.08	257.90	0.01
16	400	4.82	34.15	27.02	281.23	0.01
17	250	5.06	34.16	26.99	284.02	0.01
18	150	5.18	34.14	26.97	283.06	0.02
19	100	5.69	34.09	26.88	284.02	0.14
20	60	6.35	33.99	26.71	290.16	0.20
21	40	6.40	33.99	26.71	290.41	0.20
22	20	6.40	33.99	26.71	290.62	0.19
23	10	6.40	33.99	26.71	290.63	0.16
24	5	6.40	33.99	26.71	292.54	0.17

PS97 PALEODRAKE

CTD N°: 10401

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	24/03/2016	20:57	284	11.2	7.9	1003

Latitude	Longitude
57° 05.35' S	67° 49.17' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	3860	1.42	34.72	27.79	185.57	0.01
2	3500	1.47	34.72	27.79	184.54	0.01
3	3250	1.57	34.72	27.78	182.12	0.01
4	3000	1.73	34.72	27.77	177.75	0.01
5	2750	1.91	34.71	27.75	171.41	0.01
6	2500	1.96	34.69	27.73	163.18	0.01
7	2250	2.05	34.68	27.71	157.71	0.01
8	2000	2.19	34.65	27.68	153.99	0.01
9	1750	2.42	34.61	27.62	150.74	0.01
10	1500	2.62	34.55	27.56	153.00	0.01
11	1250	2.84	34.46	27.47	168.16	0.01
12	1000	3.27	34.33	27.33	192.73	0.01
13	800	3.77	34.25	27.210	215.17	0.01
14	650	4.11	34.16	27.11	253.05	0.01
15	500	4.51	34.14	27.05	279.64	0.01
16	300	4.92	34.16	27.02	285.22	0.01
17	150	5.18	34.14	26.97	285.23	0.04
18	100	6.24	34.06	26.78	285.34	0.13
19	80	6.54	34.03	26.72	287.63	0.15
20	60	6.56	34.02	26.71	288.26	0.16
21	40	6.56	34.02	26.71	288.93	0.19
22	20	6.56	34.02	26.71	289.45	0.19
23	10	6.57	34.02	26.71	289.72	0.18
24	5	6.57	34.02	26.71	289.87	0.17

PS97 PALEODRAKE

CTD N°: 10601

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	25/03/2016	14:23	333	12.7	12.3	998.5

Latitude	Longitude
56° 03.70' S	67° 15.49' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	87.7	8.17	33.81	26.32	273.69	0.09
2	80	8.17	33.81	26.32	273.68	0.09
3	60	8.19	33.81	26.31	274.18	0.10
4	40	8.45	33.68	26.17	278.32	0.22
5	20	8.56	33.64	26.12	278.56	0.25
6	10	8.56	33.64	26.12	278.68	0.25
7	10	8.56	33.64	26.12	278.39	0.25
8	5	8.57	33.64	26.12	278.83	0.26
9	5	8.57	33.64	26.12	278.51	0.25
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N^o: 10701

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	25/03/2016	15:55	346	17	11.7	995.7

Latitude	Longitude
56° 13.60' S	67° 20.90' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	90.8	7.65	33.93	26.48	281.97	0.18
2	80	7.66	33.92	26.48	281.97	0.18
3	60	7.85	33.89	26.42	280.64	0.19
4	40	7.93	33.86	26.39	278.95	0.15
5	20	7.99	33.85	26.37	279.77	0.17
6	10	8.01	33.85	26.37	280.02	0.19
7	10	8.00	33.85	26.37	279.65	0.17
8	5	8.03	33.84	26.36	279.87	0.19
9	5	8.08	33.82	26.34	279.73	0.19
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 10801

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	05/03/2016	09:30	2	6.1	0.9	995.4

Latitude	Longitude
61° 44.70' S	65° 02.00' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	100	7.71	33.91	26.46	277.31	0.10
2	80	7.71	33.91	26.46	277.92	0.10
3	60	7.88	33.89	26.42	280.04	0.20
4	40	7.95	33.87	26.40	280.10	0.20
5	20	8.03	33.86	26.37	280.59	0.21
6	10	8.02	33.86	26.38	280.73	0.22
7	10	8.02	33.86	26.37	280.79	0.23
8	5	8.02	33.86	26.38	281.06	0.23
9	5	8.02	33.86	26.38	280.66	0.23
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 11501

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	29/03/2016	15:49	335	10	8.7	991.3

Latitude	Longitude
54° 27.51' S	75° 50.67' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	4000	0.92	34.71	27.82	192.59	0.01
2	3750	1.11	34.71	27.81	188.60	0.01
3	3500	1.36	34.72	27.79	185.92	0.01
4	3250	1.59	34.72	27.78	179.45	0.02
5	3000	1.75	34.71	27.76	171.27	0.01
6	2750	1.81	34.69	27.74	159.13	0.01
7	2500	1.89	34.68	27.72	153.11	0.01
8	2250	1.98	34.67	27.71	149.99	0.03
9	2000	2.13	34.65	27.68	147.21	0.01
10	1750	2.34	34.62	27.64	144.42	0.01
11	1500	2.58	34.56	27.57	143.10	0.01
12	1250	2.87	34.48	27.48	156.52	0.01
13	1000	3.37	34.35	27.33	186.65	0.01
14	750	4.07	34.22	27.16	223.97	0.01
15	500	4.82	34.16	27.03	273.71	0.01
16	250	5.31	34.14	26.96	272.93	0.01
17	150	5.82	34.08	26.85	267.54	0.04
18	100	7.12	33.98	26.60	268.48	0.06
19	80	7.81	33.92	26.46	279.73	0.12
20	60	8.36	33.82	26.29	280.53	0.27
21	40	8.36	33.82	26.29	281.48	0.26
22	20	8.37	33.82	26.29	281.77	0.25
23	10	8.37	33.82	26.29	281.99	0.27
24	5	8.37	33.82	26.29	282.93	0.25

PS97 PALEODRAKE

CTD N°: 11601

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	29/03/2016	19:41	331	8.6	8.4	989.2

Latitude	Longitude
54° 23.32' S	75° 40.54' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	6.56	34.02	26.71	258.62	0.02
2	100	7.51	33.94	26.51	274.42	0.10
3	80	7.95	33.88	26.41	278.74	0.14
4	60	8.23	33.84	26.33	280.05	0.25
5	40	8.31	33.82	26.30	280.86	0.26
6	20	8.32	33.82	26.30	281.95	0.38
7	10	8.35	33.82	26.30	282.02	0.37
8	5	8.33	33.82	26.30	282.19	0.34
9	5	8.33	33.82	26.30	282.23	0.36
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 11801

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	30/03/2016	00:27	329	6.6	7.6	986.9

Latitude	Longitude
54° 15.87' S	75° 20.13' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m ³)	Oxygen (ml/l)	Fluorescence (mg/m ³)
1	4241	0.86	34.71	27.82	194.79	0.01
2	4000	0.94	34.71	27.81	193.33	0.01
3	3750	1.11	34.71	27.81	190.43	0.01
4	3500	1.38	34.72	27.79	185.50	0.01
5	3250	1.62	34.72	27.77	178.85	0.01
6	3000	1.75	34.71	27.76	169.31	0.01
7	2750	1.84	34.69	27.74	159.66	0.01
8	2500	1.89	34.68	27.72	153.19	0.01
9	2250	1.98	34.67	27.71	150.52	0.01
10	2000	2.12	34.65	27.68	148.13	0.01
11	1750	2.30	34.62	27.64	145.47	0.01
12	1500	2.51	34.58	27.59	143.85	0.01
13	1250	2.76	34.52	27.51	151.76	0.01
14	1000	3.07	34.41	27.40	174.05	0.01
15	750	3.82	34.26	27.22	211.35	0.01
16	500	4.71	34.16	27.04	271.89	0.01
17	300	5.25	34.14	26.97	274.64	0.01
18	200	5.79	34.07	26.84	267.00	0.01
19	100	7.83	33.94	26.47	268.58	0.04
20	80	8.38	33.83	26.30	276.46	0.14
21	60	8.52	33.80	26.25	279.06	0.21
22	40	8.53	33.80	26.25	279.42	0.28
23	20	8.53	33.80	26.25	280.42	0.30
24	10	8.52	33.78	26.24	281.16	0.36

PS97 PALEODRAKE

CTD N°: 11901

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	30/03/2016	05:11	353	14.9	8.5	985.3

Latitude	Longitude
54° 12.48' S	75° 12.46' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	5.84	34.08	26.85	264.17	0.03
2	100	6.53	34.03	26.71	258.33	0.04
3	80	7.17	33.98	26.58	261.22	0.04
4	60	7.82	33.91	26.44	278.43	0.18
5	40	8.21	33.85	26.34	279.53	0.27
6	20	8.45	33.79	26.26	280.51	0.34
7	10	8.48	33.78	26.24	281.03	0.38
8	5	8.48	33.78	26.24	281.17	0.36
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 12001

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	30/03/2016	07:56	345	16.8	7.3	986.1

Latitude	Longitude
54° 08.76' S	75° 02.56' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	5.87	34.07	26.84	267.97	0.05
2	100	7.64	33.98	26.52	282.33	0.21
3	80	7.65	33.96	26.51	283.30	0.22
4	60	7.66	33.95	26.50	283.97	0.24
5	40	7.65	33.94	26.50	284.25	0.27
6	20	7.65	33.94	26.49	284.48	0.23
7	10	7.64	33.94	26.49	284.87	0.25
8	5	7.64	33.94	26.49	285.16	0.24
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 12101

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	30/03/2016	10:25	304	15.9	7.2	988.2

Latitude	Longitude
54° 05.04' S	74° 52.66' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	2574	1.87	34.64	27.69	154.27	0.01
2	2500	1.88	34.61	27.67	153.10	0.01
3	2250	2.00	34.57	27.63	149.49	0.01
4	2000	2.16	34.58	27.63	146.35	0.01
5	1750	2.37	34.58	27.61	143.19	0.01
6	1500	2.64	34.52	27.53	146.93	0.01
7	1250	2.93	34.44	27.45	165.06	0.01
8	1000	3.57	34.30	27.27	197.08	0.01
9	750	4.11	34.14	27.09	257.94	0.01
10	750	4.11	34.15	27.09	258.60	0.01
11	500	4.83	34.14	27.01	286.51	0.01
12	500	4.83	34.14	27.01	286.56	0.01
13	250	5.34	34.11	26.93	278.82	0.01
14	250	5.35	34.11	26.93	278.55	0.01
15	150	7.28	33.86	26.49	282.43	0.07
16	150	7.30	33.88	26.50	282.80	0.07
17	100	8.42	33.78	26.27	265.05	0.09
18	100	8.42	33.78	26.27	266.70	0.08
19	60	8.68	33.76	26.19	278.63	0.16
20	60	8.69	33.76	26.20	278.86	0.19
21	20	9.10	33.64	26.05	276.23	0.36
22	20	9.11	33.64	26.04	276.21	0.26
23	10	9.17	33.64	26.03	275.84	0.32
24	10	9.17	33.64	26.03	276.03	0.32

PS97 PALEODRAKE

CTD N°: 12301

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	30/03/2016	17:55	306	14.1	7.2	989.3

Latitude	Longitude
54° 01.28' S	74° 42.59' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	7.77	33.9	26.47	270.24	0.07
2	100	8.46	33.83	26.29	275.05	0.14
3	80	8.68	33.80	26.23	273.44	0.12
4	60	8.94	33.76	26.15	274.95	0.16
5	40	9.07	33.68	26.08	276.31	0.28
6	20	9.08	33.67	26.07	276.79	0.31
7	10	9.08	33.67	26.07	276.96	0.22
8	5	9.08	33.67	26.07	277.46	0.18
9	5	9.08	33.67	26.07	277.11	0.16
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 12401

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	30/03/2016	20:50	295	18.8	7	991.4

Latitude	Longitude
53° 57.46' S	74° 32.73' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	1000	3.45	34.30	27.28	200.27	0.01
2	750	4.16	34.15	27.09	260.97	0.01
3	500	4.90	34.15	27.02	284.79	0.01
4	400	5.09	34.15	26.99	285.39	0.01
5	300	5.74	34.10	26.87	263.82	0.01
6	250	6.31	34.09	26.79	240.94	0.01
7	200	6.69	34.05	26.71	239.52	0.01
8	150	7.29	33.99	26.58	241.61	0.03
9	100	8.38	33.83	26.30	277.91	0.18
10	80	8.66	33.80	26.23	273.55	0.10
11	60	8.81	33.76	26.18	274.02	0.10
12	40	9.11	33.68	26.07	275.95	0.34
13	20	9.11	33.68	26.07	276.54	0.34
14	10	9.10	33.68	26.07	276.53	0.30
15	5	9.10	33.68	26.07	276.83	0.31
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 12501

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	30/03/2016	23:58				

Latitude	Longitude
53° 53.75' S	74° 22.93' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1		2.34	34.61	27.63	142.83	0.01
2		2.39	34.60	27.62	142.85	0.01
3		2.62	34.55	27.56	145.34	0.03
4		2.88	34.46	27.47	161.22	0.02
5		3.36	34.33	27.31	193.07	0.01
6		3.97	34.20	27.15	234.05	0.01
7		4.25	34.15	27.08	262.74	0.01
8		4.55	34.14	27.05	278.68	0.01
9		4.85	34.15	27.02	285.26	0.01
10		5.05	34.16	27.00	285.32	0.01
11		5.21	34.13	26.96	283.02	0.01
12		6.49	34.04	26.73	272.27	0.05
13		7.27	33.99	26.58	282.60	0.14
14		7.37	33.98	26.56	284.03	0.13
15		7.72	33.93	26.48	264.54	0.09
16		8.23	33.84	26.33	278.99	0.25
17		8.42	33.80	26.27	279.55	0.27
18		8.60	33.77	26.22	278.43	0.31
19		8.78	33.73	26.16	278.07	0.30
20		8.91	33.71	26.12	277.75	0.32
21		8.92	33.71	26.12	277.93	0.32
22		8.92	33.71	26.12	278.25	0.29
23						
24						

PS97 PALEODRAKE

CTD N°: 12601

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	31/03/2016	02:26	286	17.6	6.5	995.6

Latitude	Longitude
53° 50.13' S	74° 12.86' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	150	8.15	33.86	26.35	261.99	0.10
2	100	8.87	33.76	26.17	271.09	0.16
3	80	8.93	33.72	26.13	273.77	0.19
4	60	9.11	33.70	26.08	272.46	0.18
5	40	9.31	33.67	26.03	270.58	0.17
6	20	9.47	33.62	25.96	271.26	0.24
7	10	9.51	33.61	25.95	270.42	0.23
8	5	9.51	33.61	25.95	270.46	0.24
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 12701

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	31/03/2016	04:08	294	21.1	6.8	

Latitude	Longitude
53° 45.04' S	73° 58.94' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	77	9.95	33.44	25.73	265.44	0.20
2	60	10.20	33.30	25.59	265.29	0.19
3	40	10.37	33.19	25.47	264.87	0.22
4	20	10.44	33.14	25.42	264.62	0.23
5	10	10.45	33.14	25.42	264.47	0.26
6	5	10.45	33.14	25.42	264.82	0.23
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 14101

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	03/04/2016	23:35	318	11.9	8.6	1015.3

Latitude	Longitude
52° 20.00' S	77° 10.06' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	100	7.16	33.98	26.60	247.06	0.05
2	80	8.70	33.90	26.31	272.86	0.28
3	40	8.78	33.85	26.25	278.02	0.42
4	10	8.78	33.85	26.25	278.40	0.37
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 14301

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	04/04/2016	04:02	320	12	8.7	1012.4

Latitude	Longitude
52° 20.01' S	76° 49.96' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	100	6.96	34.01	26.64	245.69	0.01
2	80	7.63	33.95	26.50	237.76	0.02
3	40	8.71	33.83	26.25	276.74	0.34
4	10	8.65	33.78	26.22	279.05	0.27
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 14501

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	04/04/2016	08:37	338	16.7	8.7	1008.5

Latitude	Longitude
52° 20.03' S	76° 30.03' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	100	7.77	33.94	26.47	256.67	0.06
2	80	8.71	33.84	26.25	274.81	0.27
3	40	8.76	33.84	26.25	278.17	0.43
4	10	8.72	33.78	26.21	279.92	0.38
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 14601

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	04/04/2016	10:55	340	17.9	8.5	1007

Latitude	Longitude
52° 19.99' S	76° 20.00' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	100	7.91	33.94	26.45	267.68	0.04
2	80	8.18	33.90	26.38	272.88	0.07
3	40	8.80	33.71	26.14	278.08	0.21
4	10	8.81	33.71	26.14	278.91	0.21
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N°: 14701

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	06/04/2016	11:01	252	13.8	5.3	991.5

Latitude	Longitude
52° 19.78' S	76° 04.90' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	100	8.18	33.88	26.36	258.62	0.09
2	80	8.48	33.83	26.28	272.32	0.17
3	40	8.53	33.81	26.25	276.55	0.19
4	10	8.54	33.80	26.25	277.07	0.19
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

PS97 PALEODRAKE

CTD N^o: 14801

Campaign	Date	Hour GMT	Wind		Air Temperature	P. Atm. (hPa)
			Direction	Vel (m/s)		
PS97	06/04/2016	13:31	280	14.4	6	993.2

Latitude	Longitude
52° 19.84' S	75° 50.09' W

Niskin	Depth	CTD				
		Temperature (°C)	Salinity (ups)	Density (kg/m3)	Oxygen (ml/l)	Fluorescence (mg/m3)
1	140	7.51	33.96	26.53	261.47	0.10
2	100	8.58	33.81	26.25	275.54	0.26
3	80	8.58	33.81	26.25	276.31	0.24
4	40	8.58	33.81	26.25	276.69	0.24
5	10	8.57	33.80	26.25	277.12	0.18
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						