

Integrated Ocean Drilling Program

Visual Core Description

NO. 01
 DATE: 1/11/2012
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 1H
 SECTION: 1
 TOP DEPTH (m CSF):

from CT image

SECTION DESCRIPTION

OBSERVER: AM

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0				50	
50					
100					7, S 6Y 4/A
150					

0-16 distinctly low-density
 w/ many open burrows -
 mm scale

32-34 Zoophycos burrows w/ spreite

bioturbation intense throughout -
 most "clasts" are burrows when
 viewed in 3D → have tubular
 shapes + internal structure

little pyritization + many
 "open" (or low-density)
 burrows.

Updated after splitting:
 - color = 7, S 6Y 4/A

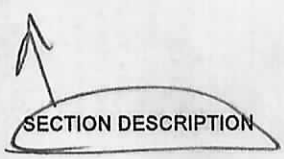
Integrated Ocean Drilling Program

Visual Core Description

NO. 02
 DATE: 1/1/2013
 EXP.: 338
 SITE/HOLE: 0022B
 CORE: 11
 SECTION: 2
 TOP DEPTH (m CSF):

OBSERVER: KM

from CT image



PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0	ccc				
50	ccc				
100					
150					

heavily burrowed throughout
 w/ much pyritization of
 Trachichnus

Zoophycos w/ spreite

silty clay

Integrated Ocean Drilling Program

Visual Core Description

NO. **G3**
 DATE: **11/120 13**
 EXP.: **338**
 SITE/HOLE: **C0022B**
 CORE: **1H**
 SECTION: **3**
 TOP DEPTH (m CSF):
 OBSERVER: **AM**

from CT ring

↑
SECTION DESCRIPTION

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		ccc				
50						7, S 6Y 4/A
100		a			S _s	
150						

Silty clay

heavily burrowed throughout
w/ much density - mottling

Trichichonus heavily pyritized,
but some "open" (low-density)
burrows remain

Update after splitting:

- Color = 7, S 6Y 4/A
 - Greenish bands/patches at: 128, 133, 135
 - S: Discrete silt-filled burrows
 - Sparse skeletal debris
- 107.4
 122.8
 132.2

Integrated Ocean Drilling Program

Visual Core Description

NO. 04
 DATE: 11/20/13
 EXP.: 338
 SITE/HOLE: 222B
 CORE: 1H
 SECTION: 4
 TOP DEPTH (m CSF):

Total = 140.5 m

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SSS	SS	
50			↓		
100					LS GY 4/1
150					

SECTION DESCRIPTION

OBSERVER: SR

Dark olive gray silty clay w/ pervasive lamination. Discrete lenses can be seen scattered throughout the section as subtle patches of different coloration. Much better seen on the CT image.

"density mottling" can be seen on the CT image

• Sparse skeletal debris

Integrated Ocean Drilling Program Visual Core Description

NO. 05
 DATE: 1/1/20
 EXP.:
 SITE/HOLE: C0022 B
 CORE: 11
 SECTION: 5
 TOP DEPTH (m CSF):

T_d = 141

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		(12)		SSS ↓		
50						
100		COMG				564 4/1
150						

SECTION DESCRIPTION

OBSERVER: SR

- Description as above (section 4)
- 4-10 : darker patch (benzene?) of silty clay
- 6: discrete patch filled w/ silty sand.
 ↳ benzene.
- 9: piece of wood

Integrated Ocean Drilling Program

Visual Core Description

NO. 6
 DATE: 1/1/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 1H
 SECTION: 6
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
	COM6		SSJ		
50				SS	SGY 3/1
100	VOT6				SGY 4/1
150					

Tot: 92 cm

SECTION DESCRIPTION

OBSERVER: SR

• 0-78. olive gray silty clay Greenish mottling. Intense bioturbation. Sponge skeletal debris

• 78-90. dark olive gray clayey silt

• 82-90. zone m/large and clearly visible discrete laminae

Integrated Ocean Drilling Program Visual Core Description

NO. 7
 DATE: 1 / 1 / 20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 1A
 SECTION: CC
 TOP DEPTH (m CSF):

Total = 30.5 cm

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0				SSS ↓	SS	56Y4/1
50		PAL				
100						
150						

SECTION DESCRIPTION

OBSERVER: SR

• Dark olive gray clayey silt. Structureless. Sparse skeletal debris. CT image shows evidence of intense bioturbation.

Integrated Ocean Drilling Program Visual Core Description

NO. 8
 DATE: 1/1/2012
 EXP.: 338
 SITE/HOLE: C002B
 CORE: 2H
 SECTION: 1
 TOP DEPTH (m CSF):

Tot = 98cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		↕	SS		
50				SS	7S 6Y 4/1
100			↕		
150					

SECTION DESCRIPTION

OBSERVER: SR+MM

Dark greenish gray silty clay w/
 induration

faint green color bands (in cut)
 @ 73, 90

CT shows only ^{compared to core 1} minor induration
 → ? disturbed ?

large pyritized burrows @ 49.-50

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO. 9
DATE: 11/20/13
EXP: 338
SITE/HOLE: C0022B
CORE: 2H
SECTION: 2
OBSERVER: KA+SC

PIECER	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
			SS ↓		2/SGVA/V
0					
20.5					
50					
100					
150					

SECTION DESCRIPTION

Dark greenish gray silty clay

burrowing little-evident
when compared to core 1

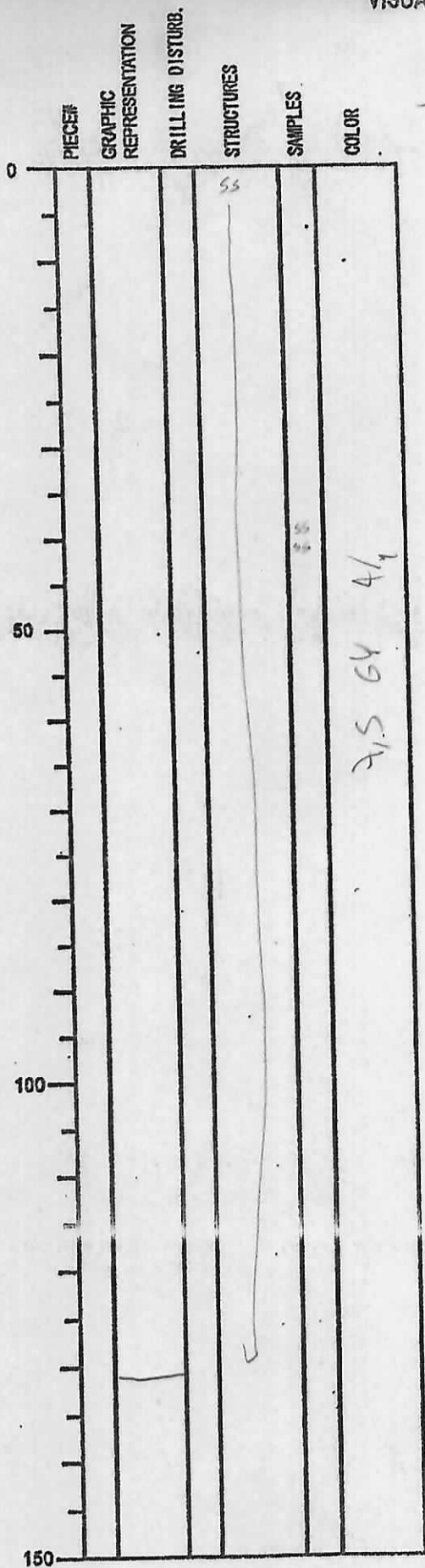
7m: discrete silty-sand filled burrows

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO. 10
DATE: 1 11 20 13
EXP: 338
SITE/HOLE: C0022B
CORE: 2H
SECTION: 3
OBSERVER: KM+SE

Tot = 131m

SECTION DESCRIPTION



Dark greenish gray

Silty clay w/ greenish mottling throughout

burrowing minor (small pyritized burrows); little density contrast on CT compared to core 1

131.5

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO. 11
DATE: 1 / 1 / 20 13
EXP: 238
SITE/HOLE: C002B
CORE: 24
SECTION: 4
OBSERVER:

Total = 133 cm

PIECE#	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
			SS		
					7.5 6Y 4/1

SECTION DESCRIPTION

silty clay w/ greenish mottling

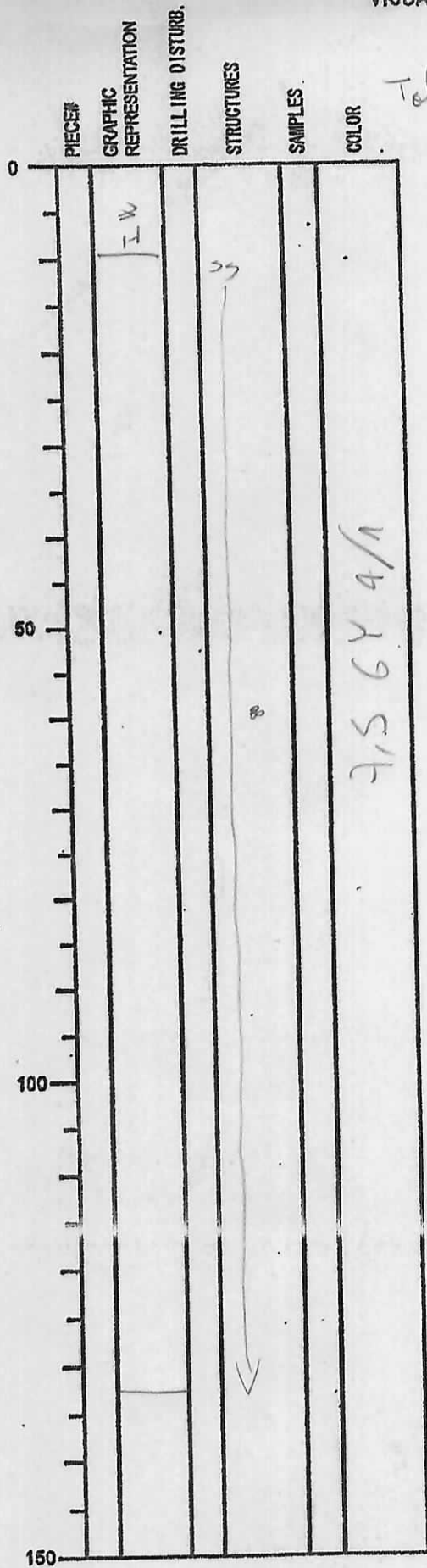
98-100 - distinct Chondrites

133

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO. 12
DATE: 1/11/2013
EXP: 336
SITE/HOLE:
CORE: 2H
SECTION: 5
OBSERVER: SR

Total: 133cm



SECTION DESCRIPTION

Dark greenish gray silty clay w/
lamination and greenish mottles and
bands throughout

SS agglutinated forams (?)

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO. 13
DATE: 11/1/2013
EXP: 338
SITE/HOLE: ~~0000~~ C0229
CORE: 24
SECTION: 6
OBSERVER: SR

PIECE#	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
			38		
				55	

SECTION DESCRIPTION

• Description: as above

• 36-38. agglutinated forams in or faint dolka
(7.5 GV 3/1) band of silty clays

Integrated Ocean Drilling Program Visual Core Description

NO. 14
 DATE: 1/1/2012
 EXP.: 328
 SITE/HOLE: C0022B
 CORE: 2H
 SECTION: 7
 TOP DEPTH (m CSF):

Tot. 136.5 m

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SS		
50			SS		
100			SS		
150			SS		

SECTION DESCRIPTION

OBSERVER: SL

Description: as above

- 35, 42, 63 : agglutinated forams -

120-131 : patches of fine volcanic ash

7/5 GY 9/1

Integrated Ocean Drilling Program Visual Core Description

NO. 15
 DATE: 1 / 1 / 2013
 EXP.: 338
 SITE/HOLE: C0220
 CORE: 21
 SECTION: 8
 TOP DEPTH (m CSF):

Tot = 130 m

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0				SS		
50						7/5 GY 4/1
100						
150						

SECTION DESCRIPTION

OBSERVER: SR

- Description: as above
- 2: small shell patch (organic-rich?)
- 18-20: forams
- sparse skeletal debris
- 67: dark band (organic rich?)

Integrated Ocean Drilling Program Visual Core Description

NO. 16
 DATE: 11/11/2013
 EXP.: 238
 SITE/HOLE: C00728
 CORE: 024
 SECTION: 9
 TOP DEPTH (m CSF):

Tot: 63.5

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SS 		
50	 com 6 				2/5 GY 4/1
100					
150					

SECTION DESCRIPTION

OBSERVER: SK

Description: as above. The greenish matrix and sands are more subtle than in the previous section.

Integrated Ocean Drilling Program Visual Core Description

NO. 17
 DATE: 11/1/2013
 EXP.: 338
 SITE/HOLE: 0002 B
 CORE: 02 +1
 SECTION: CC
 TOP DEPTH (m CSF):

T_{tot} = 31,5

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0				↕		
50		PAC		↕		
100						Dark greenish gray silty clay. Structureless
150						

SECTION DESCRIPTION

OBSERVER: SR

Integrated Ocean Drilling Program Visual Core Description

NO. 18
 DATE: 1/1/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 3+1
 SECTION: 1
 TOP DEPTH (m CSF):

Tot = 125 m

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		←	SS		
50				SS	
100					2,5 GY S/A
150			←		

SECTION DESCRIPTION

OBSERVER: SR

Olive gray silty clay w/ calculation and greenish mottling

• Sparse skeletal debris

Integrated Ocean Drilling Program Visual Core Description

NO. 19
 DATE: 1/1/2013
 EXP.: 338
 SITE/HOLE: C9022B
 CORE: 34
 SECTION: 3
 TOP DEPTH (m CSF):

Total 138 cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SS		
50	void				
100	void				
150	void				

SECTION DESCRIPTION

OBSERVER: SR

Olive gray silty clay w/ lamination and greenish mottling (10 G 4/1)
 • Distinct greenish bands are clearly visible throughout (average thickness ≈ 1 cm)
 .49: silt-filled lamina
 .119: "

2, 5 GY S/A

Integrated Ocean Drilling Program

Visual Core Description

NO. 20
 DATE: 1/1/2013
 EXP.: 338
 SITE/HOLE: C00228
 CORE: 3H
 SECTION: 4
 TOP DEPTH (m CSF):

Tot = 134

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SS		
50				215 GY 5/1	
100	[Dotted pattern]		SS		N3/9
150					

SECTION DESCRIPTION

OBSERVER: SR

Olive gray silty clay w/ lamination and greenish mottling

105- silt - filled laminae.

115-122 : fine dark gray sand. Sharp base, patchy top. Fining upward.

Integrated Ocean Drilling Program Visual Core Description

NO. 21
 DATE: 1 / 11/20 12
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 3A
 SECTION: 5
 TOP DEPTH (m CSF):

Total = 135.5 m

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SS		
50	[Hand-drawn pattern]				N 3/0
100					
150					

SECTION DESCRIPTION

OBSERVER: SR

Olive gray silty clay m / heterolite

- 21, 29, 27 : agglutinated forams
- 25-27: dark gray fine sand. sharp base. irregular top
- 30: discrete sand-filled burrow
- 128-132 : silt-filled lenses

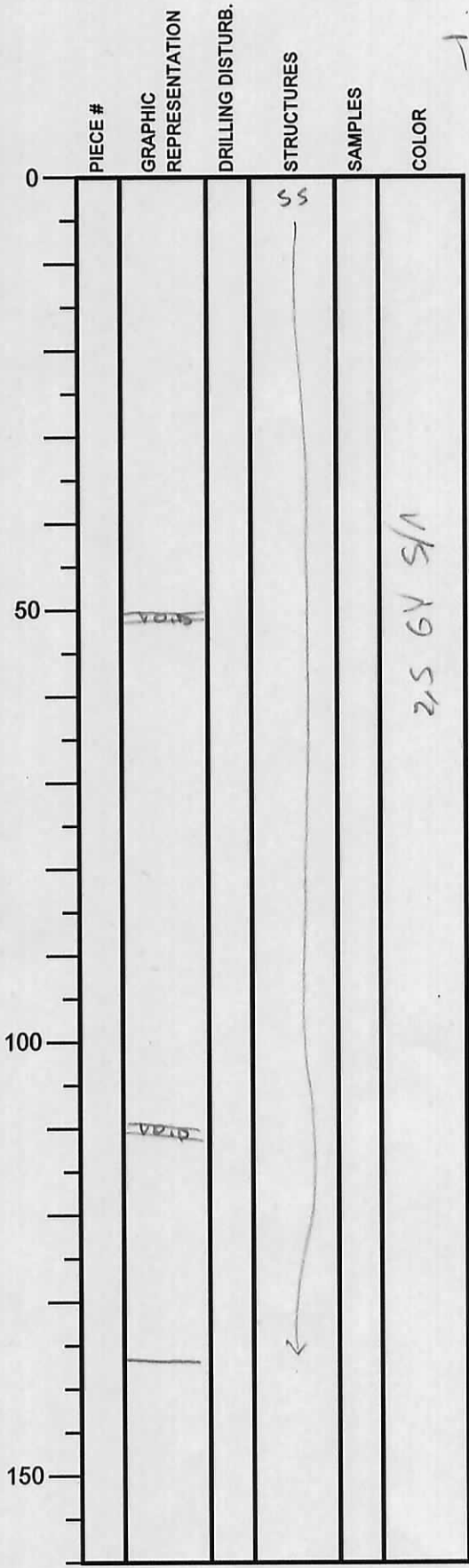
2, 5, 6, 4, 5/1

Integrated Ocean Drilling Program

Visual Core Description

NO. 22
 DATE: / / 20
 EXP.:
 SITE/HOLE: C0022B
 CORE: 3 H
 SECTION: 6
 TOP DEPTH (m CSF):

Total = 1380m



SECTION DESCRIPTION

OBSERVER: SR

- Olive gray silty clay w/ bioturbation and greenish mottling
- ss. agglutinated forams
- sparse skeletal debris

Integrated Ocean Drilling Program

Visual Core Description

NO. 23
 DATE: 1/1/2013
 EXP.: 328
 SITE/HOLE: 33C00220
 CORE: 3H
 SECTION: 7
 TOP DEPTH (m CSF):

Tot = 136

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50	void				
100	com 6				
150	void				

SECTION DESCRIPTION

OBSERVER: SR

- Olive gray silty clay w/ lamination and greenish mottling and bands.
- 25-26: clearly visible greenish band
- 105: silt-filled lamina

215 6X 5/1

Integrated Ocean Drilling Program

Visual Core Description

NO. 24
 DATE: 1/1/2013
 EXP.: 336
 SITE/HOLE: 22B
 CORE: 3H
 SECTION: 8
 TOP DEPTH (m CSF):

Td = 131

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SS		
50	VOID		SS		
100			SS		
150	VOID		SS		

SECTION DESCRIPTION

OBSERVER: SR

- Olive gray silty clay w/ lamination, greenish mottles and greenish bands
- 10, 100, 129: discrete silt-filled laminae
- 38-41: patch of clayey silt
- 55-59 }
 68-72 } : Patches of fine sand
- 55-70: soft sediment deformation? (patches of sand and greenish band are not horizontal)
- sparse skeletal debris

2, 5 GY S/A

Integrated Ocean Drilling Program Visual Core Description

NO. 25
 DATE: 11/1/2012
 EXP.: 338
 SITE/HOLE: C0002B
 CORE: 0311
 SECTION: 9
 TOP DEPTH (m CSF):

Test - 56,5

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			<i>SS</i> ↓		<i>1/5 1/2 5/1</i> <i>2/5 6/10 5/1</i>
50	<i>COMG</i>				
100					
150					

SECTION DESCRIPTION

OBSERVER: *SR*

*olive gray silty clay w/ lamination,
 greenish mottling and lamination
 -4: silt-filled laminae*

Integrated Ocean Drilling Program

Visual Core Description

NO. 26
 DATE: 1 / 1 / 20 13
 EXP.: 338
 SITE/HOLE: C0022 B
 CORE: 4H
 SECTION: 1
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			-			
50					SS	
95		-	-			
100						
150						

SECTION DESCRIPTION

OBSERVER:

Silty clay, 2.56/ 6/1 (olive gray)
 w/ greenish mottles → SB 3/1 - bluish
 gray to dk bluish gray
 (small py-filled burrows throughout
 seen on CT image; fewer
 larger burrows w/ spreite)

Integrated Ocean Drilling Program Visual Core Description

NO. 27
 DATE: 11/1/2013
 EXP.: 338
 SITE/HOLE: C
 CORE: 44
 SECTION: 3
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		X				
50						
100		o				
131		o				
150		o				

SECTION DESCRIPTION

OBSERVER:

see section 1

granule-size ash blebs

Integrated Ocean Drilling Program Visual Core Description

NO. 28
 DATE: 1 / 1 / 20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 4H
 SECTION: 4
 TOP DEPTH (m CSF):

OBSERVER:

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100		○ ○			SS	
130		○				
150						

SECTION DESCRIPTION

see section 1

patches of dk green silty clay

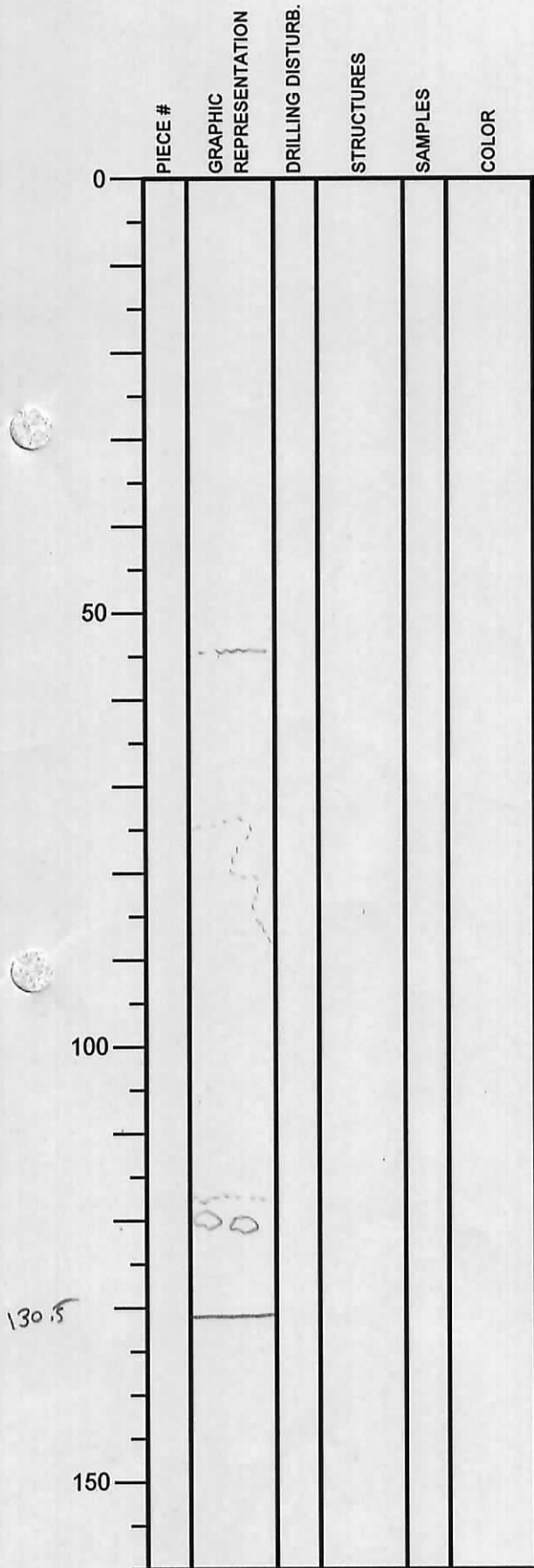
→ dk green matrix

ash blebs

Integrated Ocean Drilling Program

Visual Core Description

NO. 29
 DATE: 1 / 1 / 20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 414
 SECTION: 5
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

See section 1

0-54 - lighter color 2.564 7/1



54-83 - darker ("normal" color)
See section 1

83-117 - lighter color

ash blebs

Integrated Ocean Drilling Program Visual Core Description

NO. 30
 DATE: 1 / 1 / 20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 4+1
 SECTION: 6
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50		8				
100						
130.5						
150						

SECTION DESCRIPTION

OBSERVER:

see section 1

pumice fragment

ash blebs

Integrated Ocean Drilling Program Visual Core Description

NO. 31
 DATE: 1/1/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 4H
 SECTION: 7
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100						
131						
150						

SECTION DESCRIPTION

OBSERVER:

24-28 visible burrows - cm-scale

 pumice granules

Integrated Ocean Drilling Program Visual Core Description

NO. 32
 DATE: 1 / 1 / 20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 4H
 SECTION: 8
 TOP DEPTH (m CSF):

OBSERVER:

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50		[Hand-drawn scribbles]				
100		[Hand-drawn circles]				
131		[Hand-drawn horizontal line]				
150						

SECTION DESCRIPTION

green bands

See section 1

ash patch - w/ soft sed. below

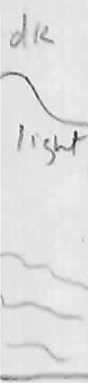
pumice

pumice

ash blebs

Integrated Ocean Drilling Program Visual Core Description

NO. 33
 DATE: 1/1/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 4H
 SECTION: 9
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50		 dk light				
64						
100						
131						
150						

SECTION DESCRIPTION

OBSERVER:

see section 1

green bands

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/1/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 414
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			•••••			
50		PAL				
100						
150						

SECTION DESCRIPTION

see section 1

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 2/11/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 0511
SECTION: 1
TOP DEPTH (m CSF):

$T_{01} = 128 \text{ m}$

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SS OB		
	COMG				
50	VOID VOID VOID				
100	VOID				
150					5 GY 4/1

SECTION DESCRIPTION

OBSERVER: SR

Dark olive gray silty clay w/
cratulation and greenish mottling and banding

• 13: agglutinated forams(?)

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 2 / 1 / 20 13
EXP.: 338
SITE/HOLE: C0022B
CORE: 5H
SECTION: 3
TOP DEPTH (m CSF):

Tot: 130, 5 cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SS		7.5 Y 6/1
50					6 Y 4/1
100	VOID		↓		
150					

SECTION DESCRIPTION

OBSERVER: SR

- Description: as section 1
- 0-6: patch of gray silt (ash?)
- 24: silt-filled lamina

- 125: agglutinated brown (?)

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 2/1/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: SH
SECTION: 4
TOP DEPTH (m CSF):

Tot = 130,5 m

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SS		
50			DP		
100	VOID				
150					5 GY 4/1

SECTION DESCRIPTION

OBSERVER: SR

• Description: as Section 1

• S2-S4: patch of volcanic fine ash (→ 7.5 Y 6/1
ash-filled laminae below?)

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 2/1/2012
 EXP.: 338
 SITE/HOLE: C00228
 CORE: SH
 SECTION: S
 TOP DEPTH (m CSF):

Total = 130.5 cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			Ss		
50			↓		56Y 4/1
100	com.6				
150					

SECTION DESCRIPTION

OBSERVER: SR

Description: as Section 1. (Color banding much more subtle)

88-41: few mm-wide ash(?) filled lenses.

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: / / 20
 EXP.: 338
 SITE/HOLE: 0022 B
 CORE: 5+
 SECTION: 6
 TOP DEPTH (m CSF):

Tot = 130, 5 cm

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0				SS		
50						S 6Y 4/1
100					SS	
150						

SECTION DESCRIPTION

OBSERVER: SR

• Description: as Section 1

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 2 / 1 / 20 13
 EXP.: 338
 SITE/HOLE: C00278
 CORE: SH
 SECTION: 7
 TOP DEPTH (m CSF):

Total 130,5

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SS		
50	•		wa		S 64 4/1
100			↓		
150					

SECTION DESCRIPTION

OBSERVER: SR

• Description: as section 1

• 63: mud fragment

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 2/1/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 5H
 SECTION: 8
 TOP DEPTH (m CSF):

Total 130 m

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SS		
50					SGY 4/1
100	VOID			SS	
150					

SECTION DESCRIPTION

OBSERVER: SR

- Description: as Section 1
- 18-20: silt-filled lens
- 98-105: volcanic fine ash. Irregular top. Fining upward
- 109: ash-filled lens

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 2/1/2012
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 5H
 SECTION: 0
 TOP DEPTH (m CSF):

Total = 51.5

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0				SS	
50	COMG		▲	SS SS	S GY 4/A
100					
150					

SECTION DESCRIPTION

OBSERVER: SR

- Description: as Section 1
- 19: pumice pebble
- 35-31: ash: fining upward

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 2 / 1 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: SH
 SECTION: CC
 TOP DEPTH (m CSF):

Total 35, 5 cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50	<i>PR</i>				
100					
150					<i>5 GY 4/1</i>

SECTION DESCRIPTION

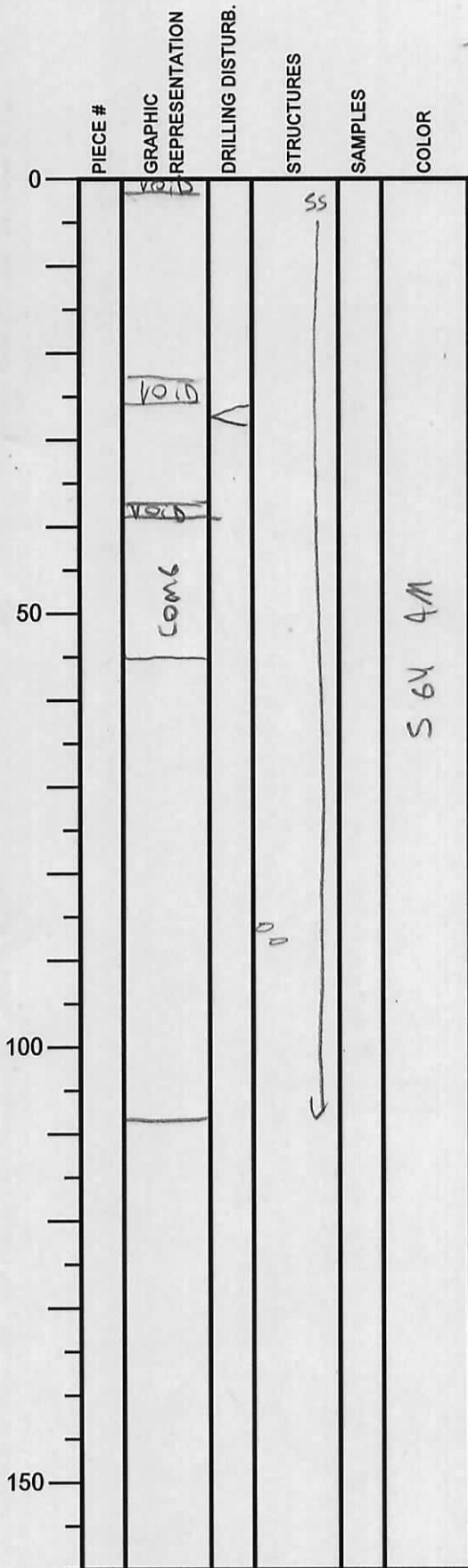
OBSERVER: *SR*

Structureless dark olive gray silty clay

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: / / 20
EXP.:
SITE/HOLE: C0022B
CORE: 6H
SECTION: 1
TOP DEPTH (m CSF):

TJ-107



SECTION DESCRIPTION

OBSERVER: SR

Dark olive gray silty clay w/ lamination
and greenish mottling

• 89: clayey silt patch

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 2/1/2012
 EXP.: 336
 SITE/HOLE: C00220
 CORE: G+1
 SECTION: 4
 TOP DEPTH (m CSF):

Tot = 140, 5 cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			SS		
50					
100					5 GY 4/1
150	oo				

SECTION DESCRIPTION

OBSERVER:

- Description: as section 1
- 31-33 : layered silt layers
- 48-50 " "
- 127-130 : pumice pebble-sized clasts

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 6H
 SECTION: 5
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50		◡				
100						56Y 4/1
140		◡ COMG ◡				
150						

SECTION DESCRIPTION

OBSERVER:

Dark olive gray silty clay
 w/ green color banding throughout
 (mm-cm-scale)
 ash blebs

ash blebs

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 6H
 SECTION: 6
 TOP DEPTH (m CSF):

OBSERVER:

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100						S GY 4/1
150						

SECTION DESCRIPTION

Dark olive to gray silty clay w/
 sparse green color banding in
 lower part (below 90 cm)

141

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/21/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 6H
 SECTION: 7
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			oo		
50			a		S 6Y 4/1
100					
140.5		ss			
150					

SECTION DESCRIPTION

OBSERVER:

Dark olive gray silty clay w/ green color bands
 granule-pebble size pumice
 ash bleb
 minor ash + pumice throughout

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/21/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 6H
 SECTION: 8
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50		o o o o		o		
100					S 6Y 4/1	
150			o o o			

SECTION DESCRIPTION

OBSERVER:

Dark olive gray silty clay w/ green color bands (mm-cm)

ash blebs

agglutinate

141

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 7/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 614
 SECTION: CC
 TOP DEPTH (m CSF):

OBSERVER:

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			✓			
10			•••••			
20		••				
39.5		PAL				
50						
100						S GY 4/1
150						

SECTION DESCRIPTION

Dark olive gray silty clay
 coarse sd-size pumice

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: 1
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
25						
50						
100						
150						

SECTION DESCRIPTION

OBSERVER:

9-11
void

CORE Descript:
 greenish gry silty clay w/ scattered
 blobs of ash + thin ash-layers; then
 silty sands

section:

olive gray silty clay 2.567 5/1

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C00B2B
 CORE: 7H
 SECTION: 2
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0				SS	
50	COMG				
100	X X			SS	
150					

SECTION DESCRIPTION

OBSERVER:

greenish gray silty clay w/ greenish color banding + mottles

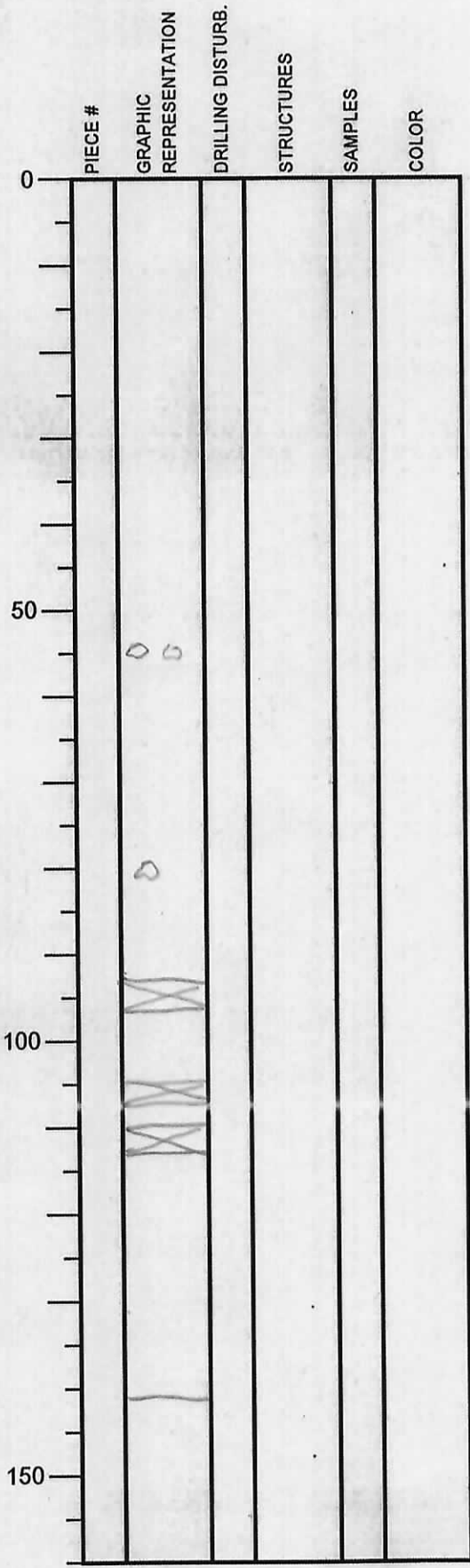
minor lithol → dark pyritic silt

dark blebs - pyritic silt

139

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: 3
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

→ see section 1 for color
 Silty clay w/ greenish bands +
 mottles, also poss. mottles of
 yellow-gray ash

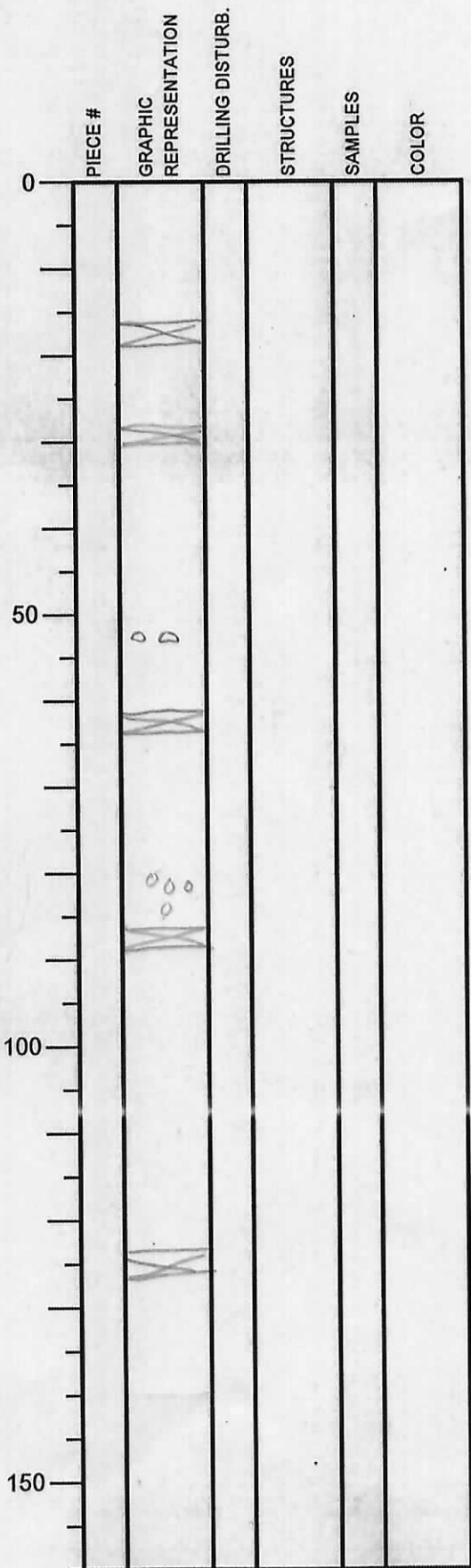
ash blebs

fine pyritic sand blob

140.5

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: 4
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

16-18 void

*solive gray silty clay
w/ greenish bands + mottles*

28-30 void

50 pumice granules

61-63 void

87-89 ash blobs - 85 & 87

87-89 void

140 void

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/21/20 B
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 714
 SECTION: 5
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50			△		
100					
143					
150					

SECTION DESCRIPTION

OBSERVER:

olive gray silty clay w/ greenish bands
 + mottles; thin silty sands

silty sand

sd. laminae

burrow? filled w/ H. gray silty clay

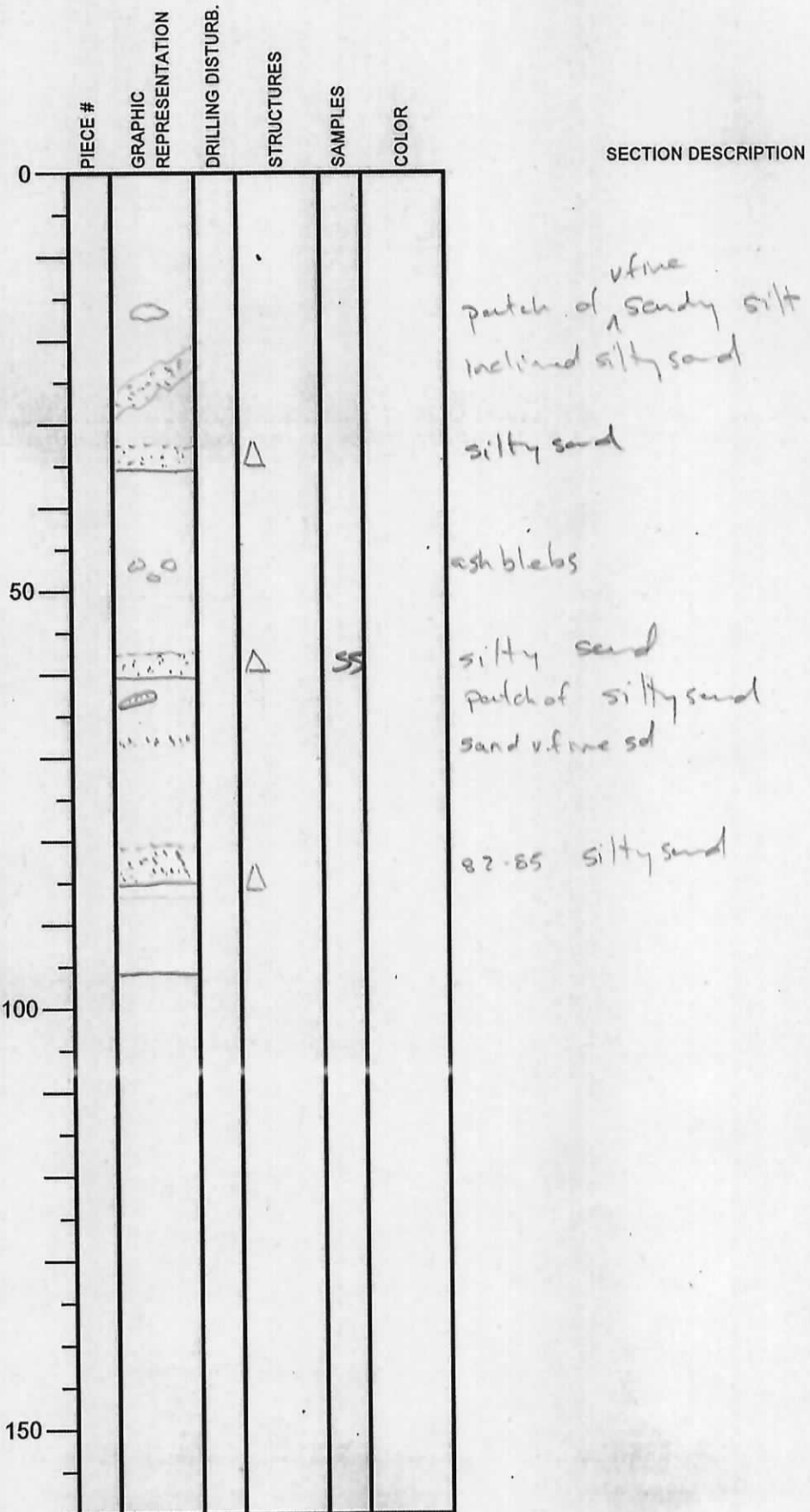
ash blebs

silty sand

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 12/20/13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: 6
 TOP DEPTH (m CSF):



OBSERVER:

95.5

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: 7
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		[Dotted pattern]				
		[Dotted pattern]		△		
		[Inverted triangles]				
		IW				
		[Inverted triangles]				
50						
100						
150						

SECTION DESCRIPTION

fine
 silty sand
 silty fine sand

OBSERVER:

32

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 12/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: 8
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		[Sketch of ash/blebs]				
50		[Sketch of silty u.fine sand]		[Sketch of triangle]		
100		[Sketch of silty sand, sand lamina, fine ash]		[Sketch of triangle]		
138.5		[Sketch of patches of u.fine silty sand]				
150						

SECTION DESCRIPTION

OBSERVER:

patch of ash/blebs
 ↑
 scattered ash blebs
 ↓
 silty u.fine sand
 patches of u.fine silty sand
 silty sand
 sand lamina
 fine ash
 patches of u.fine silty sand

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50		PAL	•••••			
100						
150						

SECTION DESCRIPTION

OBSERVER:

ash patch ; olive-gray silty clay w/
 scattered blebs of ash
 throughout

50

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/2/20 13
 EXP.: 338
 SITE/HOLE: C002213
 CORE: 814
 SECTION: 1
 TOP DEPTH (m CSF):

OBSERVER:

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		IW				
50		o		/		
88		o			S	
100		o				
150		o				

SECTION DESCRIPTION

2,564 5/A
 ↑ olive gray silty clay w/ greenish color bands + mottles

small faults

scattered ash blobs throughout

56 cm.

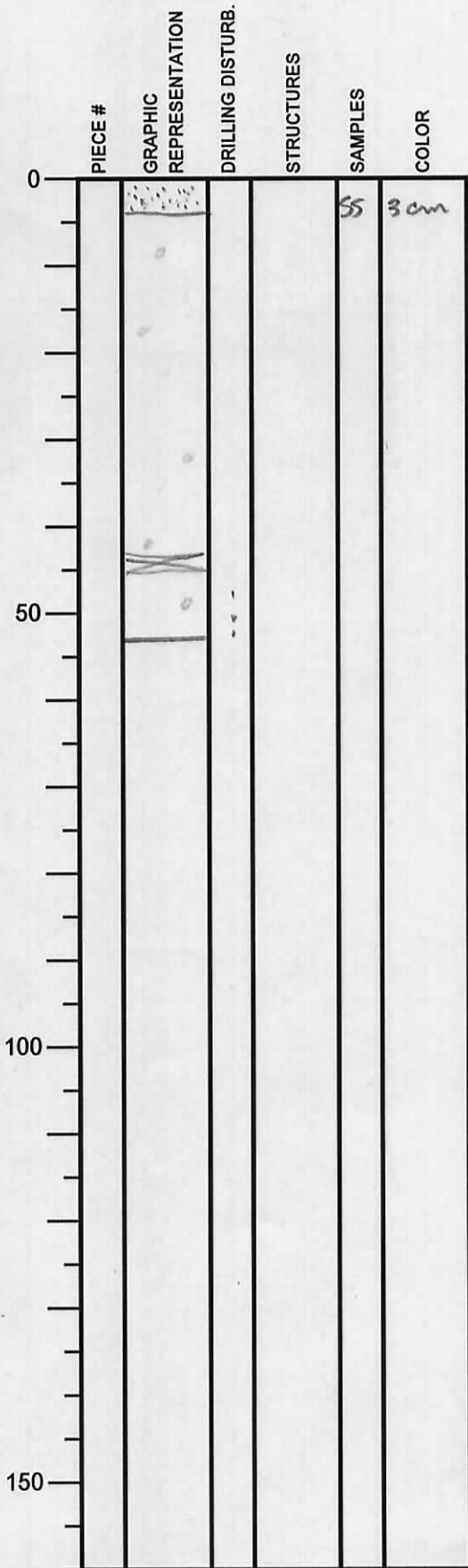
silty sand

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022 B
 CORE: 8H
 SECTION: 2
 TOP DEPTH (m CSF):

63



SECTION DESCRIPTION

fine sd

olive gray silty clay w/ scattered ash blebs throughout

void

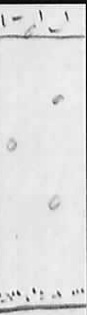

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0002B
 CORE: 8H
 SECTION: 3
 TOP DEPTH (m CSF):

OBSERVER:

32

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100						
150						

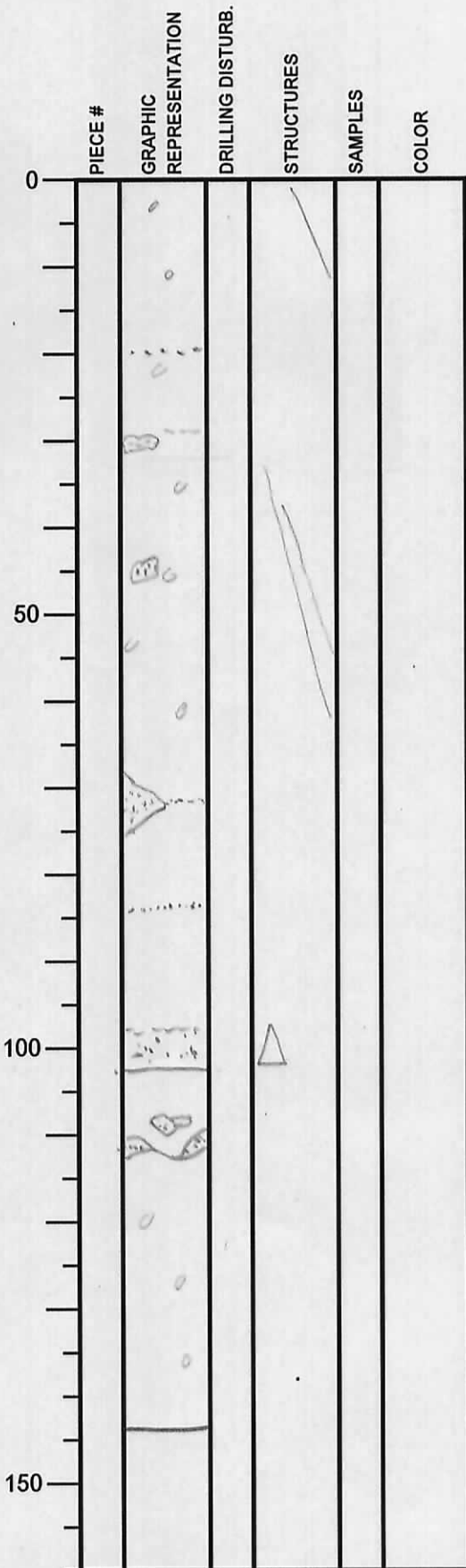
SECTION DESCRIPTION

Shear bands + small faults
 sd lamina
 olive gray silty clay w/ greenish
 color bands; scattered ash blebs
 2567 6/1

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 12/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 84
 SECTION: 4
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

Shear bands + small faults

olive gray silty clay w/ scattered ash blobs throughout; sand as laminae + patches; greenish color bands + mottling

v. fine sd.

v. fine sd. patches

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 12/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 8H
 SECTION: 6
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
	[Hand-drawn symbols: small triangles, dots, lines]		[Hand-drawn symbols: triangles]		
50					
	[Hand-drawn symbols: horizontal bands, dots]		[Hand-drawn symbols: triangles]		
100					
	[Hand-drawn symbols: horizontal bands, dots]		[Hand-drawn symbols: triangles]		
143					
	[Hand-drawn symbols: horizontal bands, dots]		[Hand-drawn symbols: triangles]		
150					

SECTION DESCRIPTION

OBSERVER:

Olive gray silty clay w/ thin sds
 as laminae, patches, + beds; greenish
 color-banding + mottles, scattered
 ash blebs (lapilli?) throughout

Small faults

↓
 applies to
 sections
 6-CC

v.f. sd.

v.f. sd.

v.f. sd.

ash patch

v.f. sd.

v.f. sd.

v.f. sd.

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022 B
 CORE: 84
 SECTION: 7
 TOP DEPTH (m CSF):

OBSERVER:

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	SECTION DESCRIPTION
0					
					ash patch
					v.f. sd.
					v.f. sd.
50					v.f. sd.
					ash patch
					v.f. sd.
100					v.f. sd.
					v.f. sd.
143					
150					

ash blebs throughout

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 8H
 SECTION: 8
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
					SS 34	
					SS 40	
					SS 45	
50						
100						
150						

SECTION DESCRIPTION

OBSERVER:

v.f. sd.

v.f. sd. w/ irreg. base

v.f. sd.

ash blebs throughout

102

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 84
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
35						
50						
100						
150						

SECTION DESCRIPTION

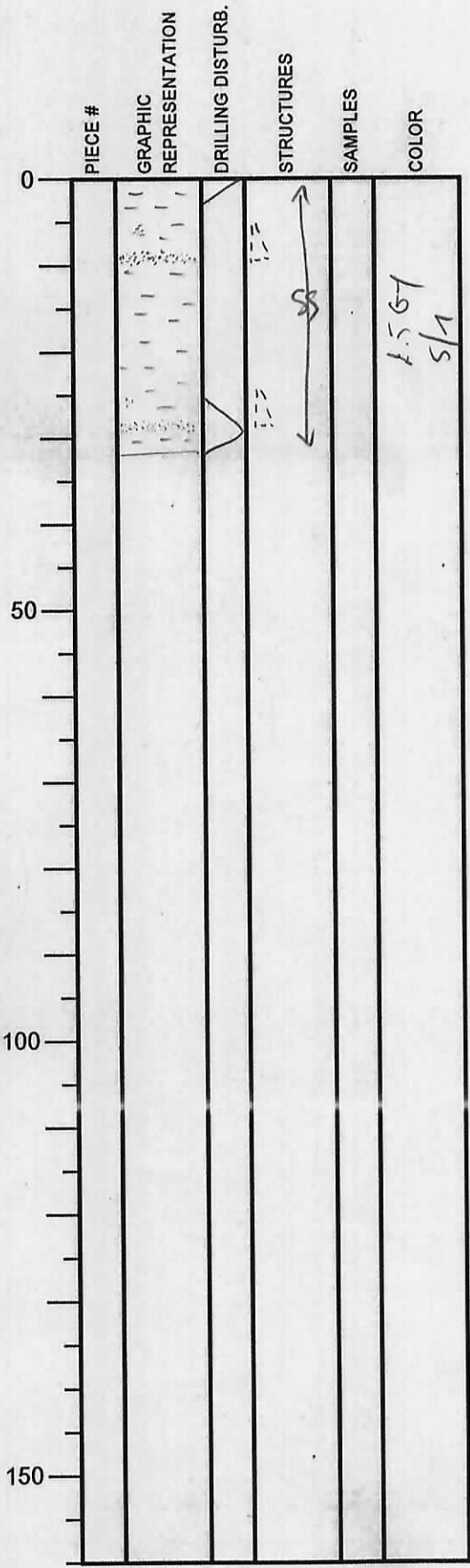
v. f. sd.

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 01/01/2013
 EXP.: 338
 SITE/HOLE: COO223
 CORE: 9T
 SECTION: 1
 TOP DEPTH (m CSF):

Tot. 31,5 cm



SECTION DESCRIPTION

OBSERVER:

0-31,5 cm = silty clay
 Wetubation throughout
 fine sand (silt) layer at
 9-10 cm
 28-29 cm
 → leads blue spring upwards req.
 sand patches 7-8 cm
 24,5-25,5 cm

Integrated Ocean Drilling Program

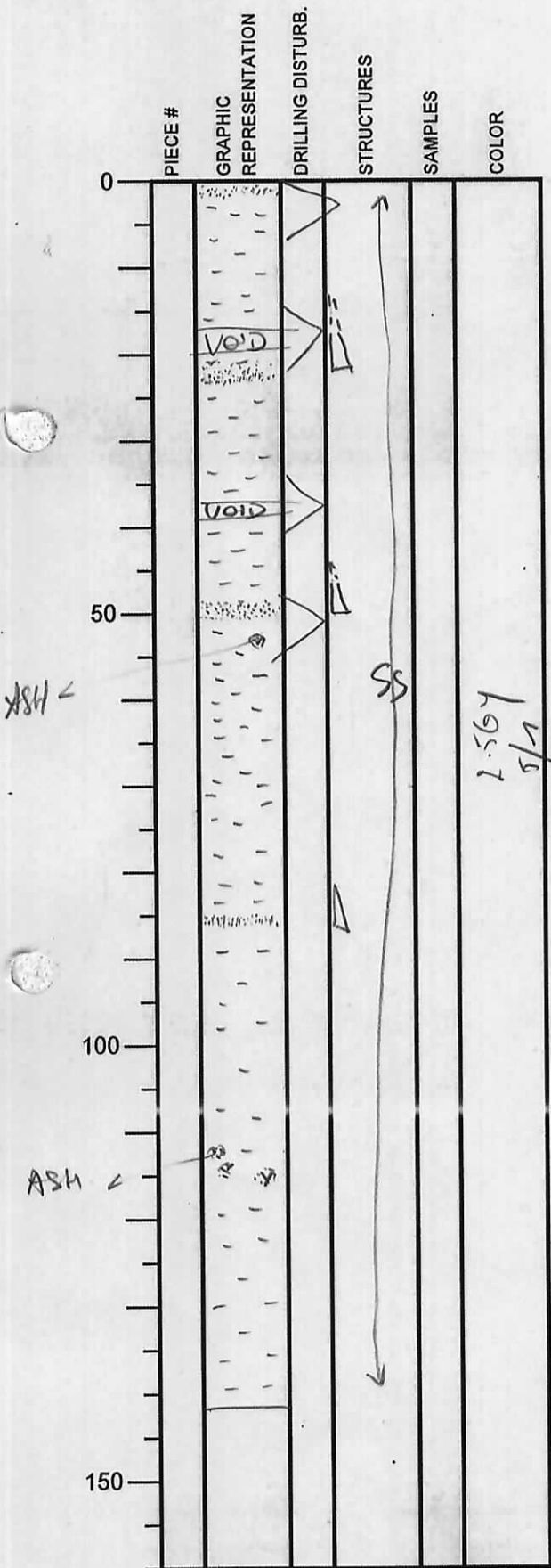
Visual Core Description

NO.
 DATE: 01/01/20 13
 EXP.: 338
 SITE/HOLE: C002B
 CORE: 9T
 SECTION: 3
 TOP DEPTH (m CSF):

Tot. 141 cm

SECTION DESCRIPTION

OBSERVER:



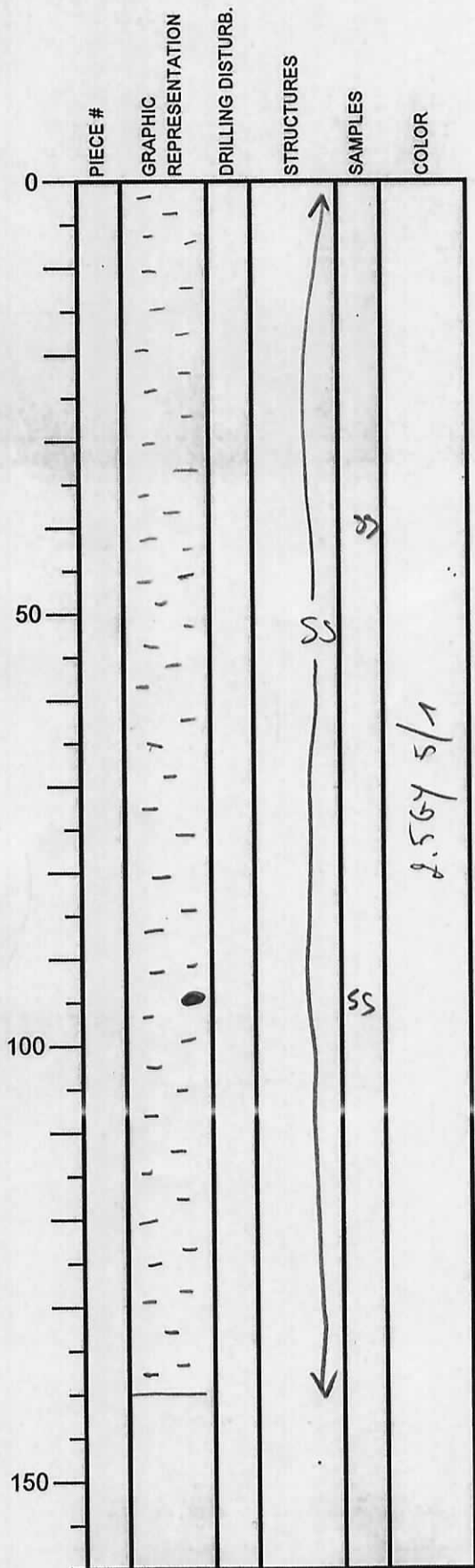
0-141 cm = silty clay
 strong boturbation
 some glauconitic patches
 sand layer at 1-2 cm
 = black fine sand
 finely upward sequences from
 fine silt sand to silty
 clay
 ↳ boxes = red layers at
 20-23 cm
 49-50 cm
 85-86 cm
 patches of white ash
 1 small one at 53 cm
 zone of ash patches
 = 111-115 cm

VOID: 17-19
 37-38.5

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 02/10/2013
 EXP.: 338
 SITE/HOLE: Cook B
 CORE: 9T
 SECTION: 4
 TOP DEPTH (m CSF):



Tot. Moch

SECTION DESCRIPTION

OBSERVER:

0-140cm = silty clay
 strong boturbation

94-96 cm = small pebble-sized
 clast
 puna or lepto??

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 04/01/20
 EXP.: 338
 SITE/HOLE: C00223
 CORE: 9T
 SECTION: 5
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			↑		
50			SS		v/s 195T
100			↓		
150					

Tot. 101cm

SECTION DESCRIPTION

OBSERVER:

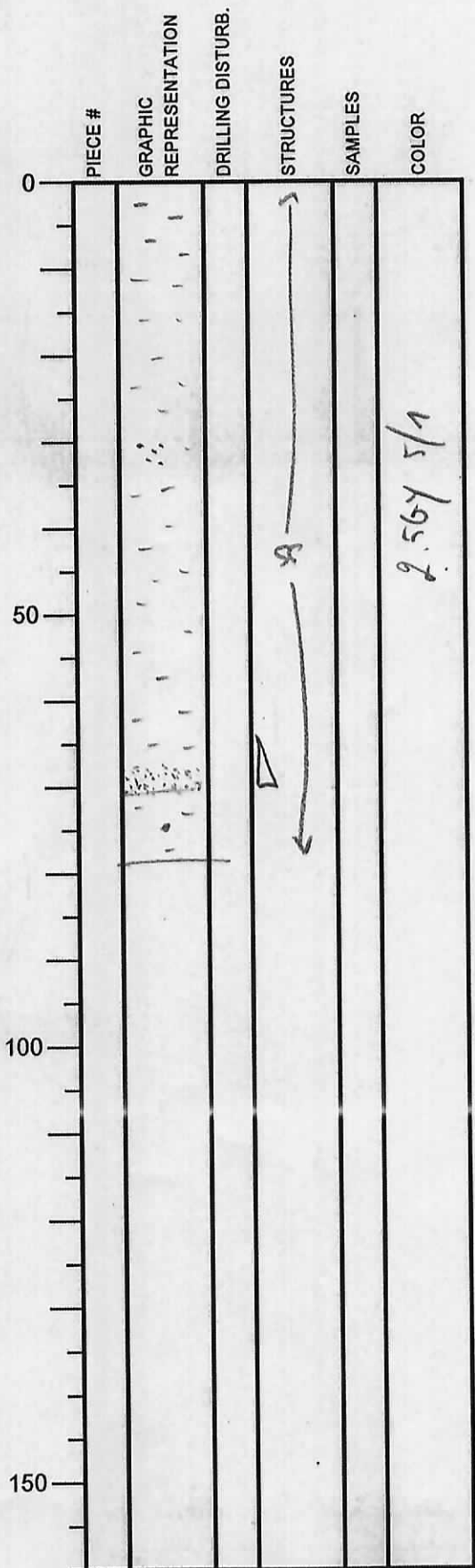
0-101cm = silty clay
 many Ostracoda
 small pebble (pumice or lapilli?)
 41-42cm
 granules (pumice or lapilli?)
 (Ø 2mm)
 87cm
 89cm
 small fine black red
 patches
 * 40-61cm
 * 55cm
 * 71.5-72cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 02/04/2013
 EXP.: 338
 SITE/HOLE: C0012B
 CORE: 9T
 SECTION: 6
 TOP DEPTH (m CSF):

Tot. 78cm



SECTION DESCRIPTION

OBSERVER:

0-78cm cm = silty clay
 strong lamination
 fine upwards sequence from
 fine grey sand to silty
 clay
 ↳ refal box = 68,5-70cm
 some very small quartz
 nodules (fragments 0,5cm)
 ↳ 30-33cm
 76cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 2/2/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 9T
 SECTION: CC
 TOP DEPTH (m CSF):

Tot. 30,5cm

SECTION DESCRIPTION

OBSERVER:

0-30,5 cm = silty clay
 strong heteroturbation

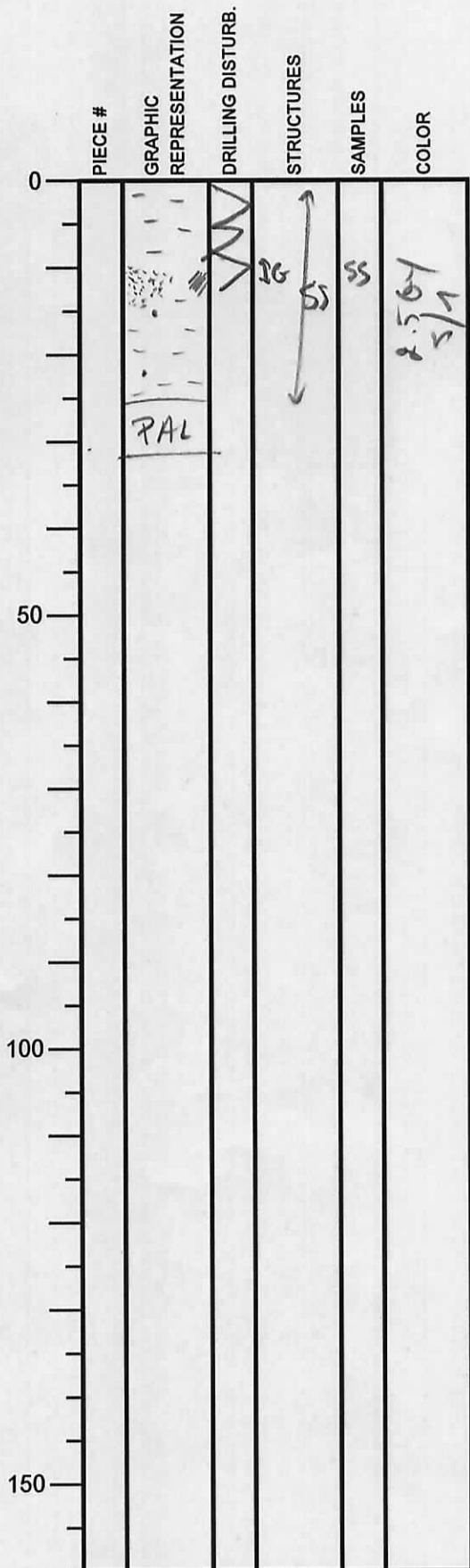
10-11 cm = glauconite patch

12-14,5 cm = large fine gray
 sand patch

quartz fragments (ϕ 1mm)

- * 16cm
- * 13cm

25-30,5 cm = PAL sample

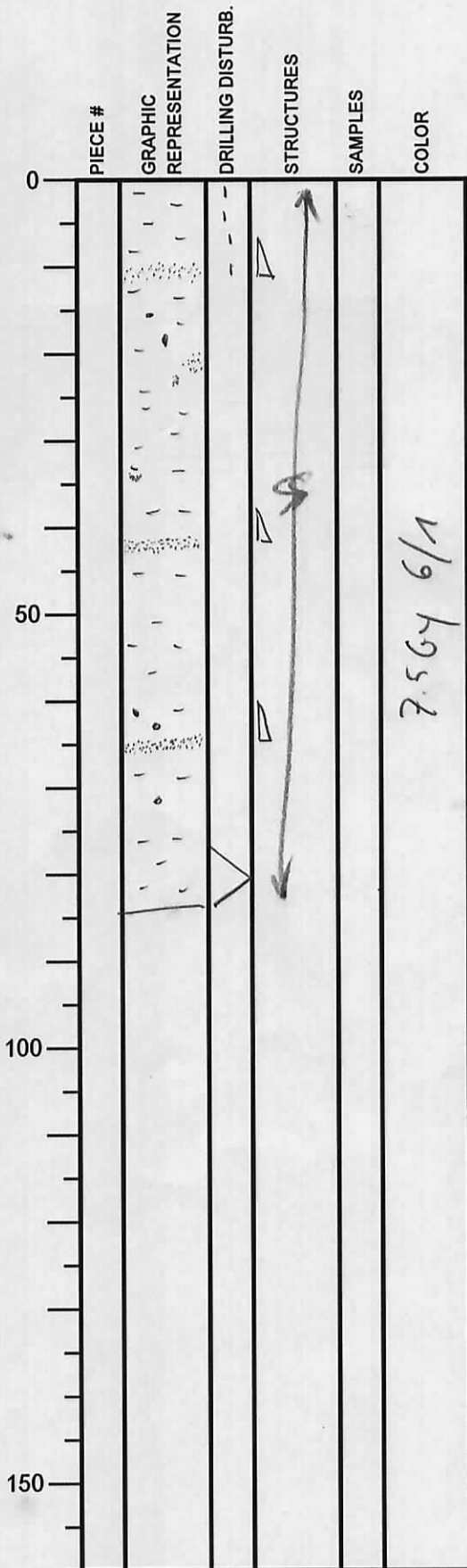


Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 10/20/13
 EXP.: 338
 SITE/HOLE: CoakB
 CORE: 10T
 SECTION: 1
 TOP DEPTH (m CSF):

Top = 84cm



SECTION DESCRIPTION

OBSERVER:

0-84cm = silty clay
 homogeneous
 fine upwards increases from
 sand fine gray sand to silty clay
 * 10-13cm
 * 43-44cm
 * 65-66cm
 sand patch = 20-22cm
 mica/ash scattered
 * 15-20cm
 * 34-35cm
 * 62-65cm
 * 71-72cm

7.564 6/1

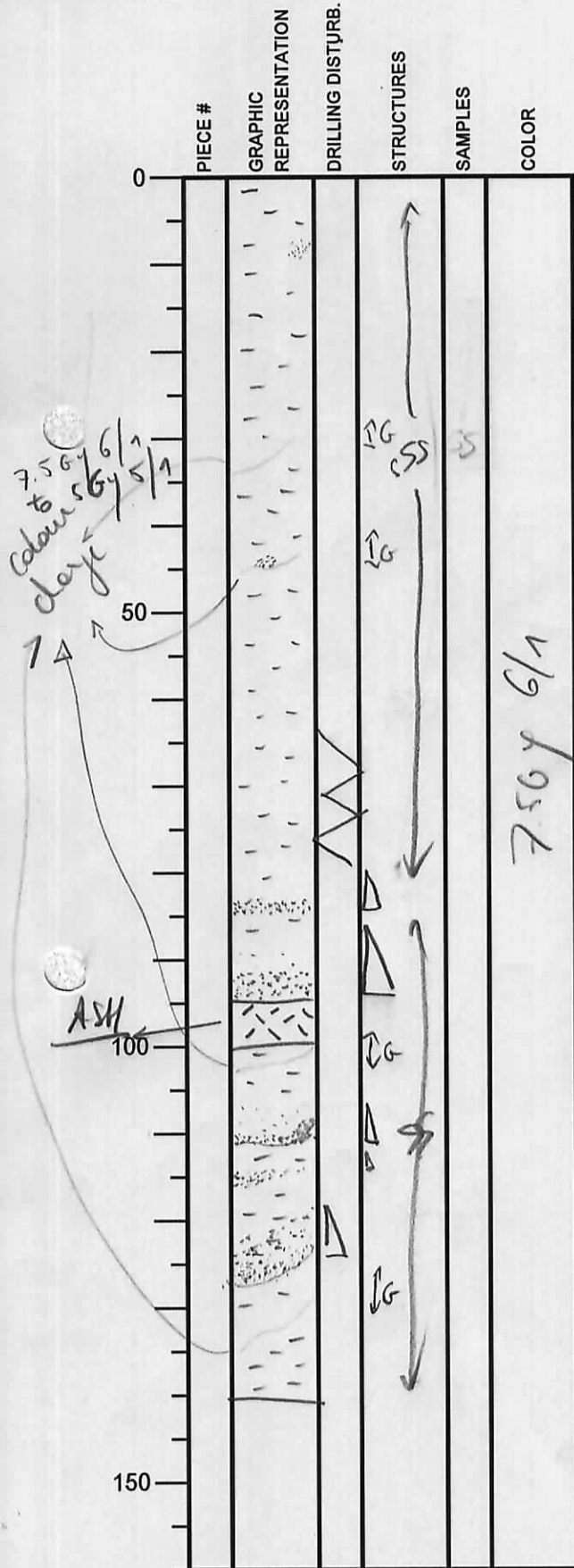
Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 9/1/20
EXP.: 338
SITE/HOLE: C00223
CORE: 10T
SECTION: 3
TOP DEPTH (m CSF):

Tot. 140 cm

SECTION DESCRIPTION

OBSERVER:



0-140 cm = silty clay
homogeneous

→ 95-100 = white/gray very
fine red
volcanic ash
sharp top & base

→ fine upwards sequences
from fine black/gray
sands to silty clay
sandy base =
+ 84-85 cm

+ 92-95 cm
no sharp horizontal base

+ 110-111 cm
no erode base?
= inclined

+ 115-115.5 cm

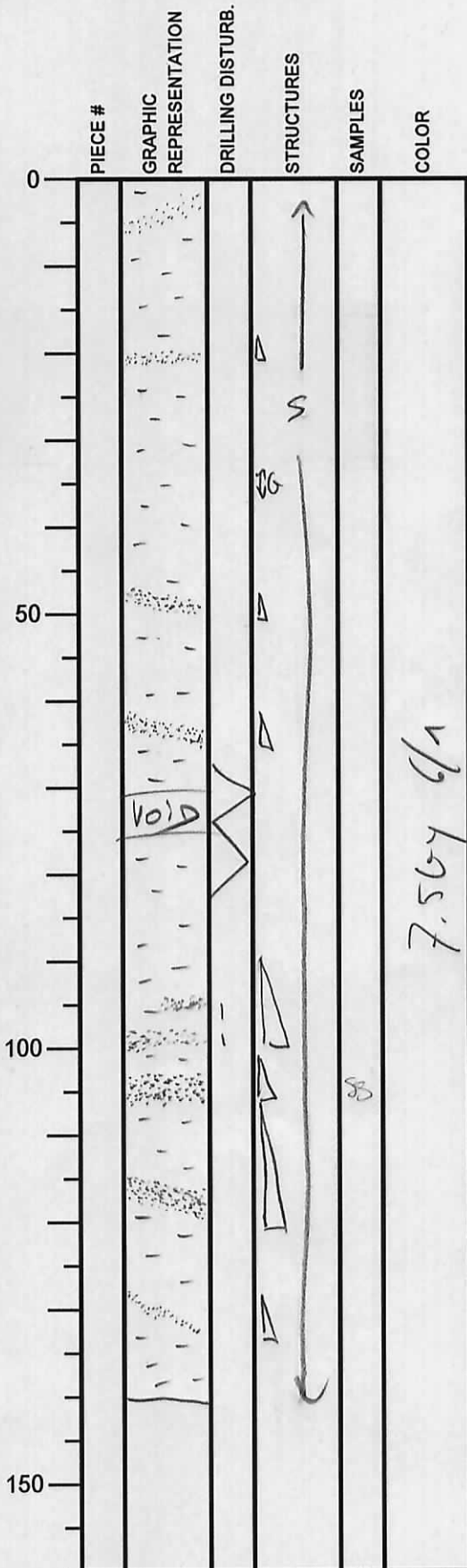
+ 120-127 cm
no erode base?
= inclined
sand patches
+ 7.5-9 cm
+ 44-45 cm

distinctive colour layers (inclined boundary)
7.5 y 6/1 to 50 y 5/1
= glauconite? → yellow?
+ at 23 cm, 34 cm, 102 cm, 133 cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 01/01/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 10T
 SECTION: 4
 TOP DEPTH (m CSF):



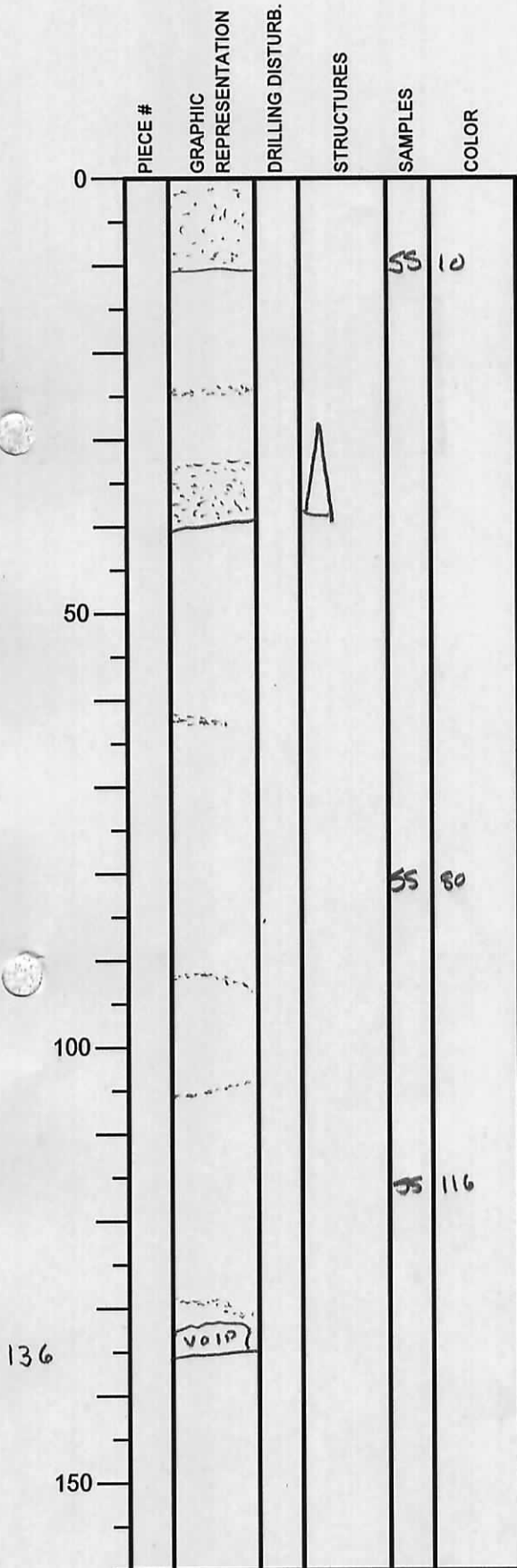
Tot. = 110 cm
 SECTION DESCRIPTION

OBSERVER:

0-110 cm = silty clay
 homogeneous
 sand patch / burrow filled with sand
 + 4-6 cm
 + 95,5-96,5 cm
 going upward sequences from fine
 sand to ~~medium~~ silty clay
 fine sandy bore =
 + 21 cm
 + 49-50 cm
 → bore = slightly inclined
 + 64-65 cm
 → bore = inclined
 + 98-100,5 cm
 + 103-106 cm
 → sand = coarser than
 other sequences
 + 112-119 cm
 → inclined bore
 = erode?
 + 128,5-129 cm
 → inclined bore
 = erode?

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/9/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 10T
SECTION: 5
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

fine silty sand

dk olive gray silty clay

sd laminae

SGY4/1

fine sd

6/ minor fine sd (N4/10)

patch of sd

sd laminae

sd laminae

sd laminae

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/9/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 10T
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		[Hand-drawn texture]		[Hand-drawn triangle]	SS 12	
					SS 18	
		PAL				
50						
100						
150						

SECTION DESCRIPTION

OBSERVER:

v. fine sd

gray sd and olive gray silty clay

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/9/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 11T
SECTION: 1
TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		HW	/			
50		[dotted pattern]	/	[triangle]		
100		[horizontal lines]				
150		[horizontal lines]				

SECTION DESCRIPTION

OBSERVER:

Sand lamina

dk olive gray silty clay

v/g gray finesand

finesand

sd lam.

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/21/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 6H
 SECTION: 8
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50		o o o o		o		
100					S 6Y 4/1	
150			o o o			

SECTION DESCRIPTION

OBSERVER:

Dark olive gray silty clay w/ green color bands (mm-cm)

ash blebs

agglutinate

141

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 7/2/20 13
 EXP.: 338
 SITE/HOLE: C0022 B
 CORE: 614
 SECTION: CC
 TOP DEPTH (m CSF):

OBSERVER:



	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			✓			
				
39.5		PAL				
50						
100						S GY 4/1
150						

SECTION DESCRIPTION

Dark olive gray silty clay
 coarse sd-size pumice

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: 1
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
25					
50					
100					
150					

SECTION DESCRIPTION

OBSERVER:

9-11
 void

CORE Descript:
 greenish gry silty clay w/ scattered
 blobs of ash + thin ash-layers; then
 silty sands

section:

olive gray silty clay 2.567 5/1

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C00B2B
 CORE: 7H
 SECTION: 2
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0				SS	
50	COMG				
100	X X			SS	
150					

SECTION DESCRIPTION

OBSERVER:

greenish gray silty clay w/ greenish color banding + mottles

minor lithol → dark pyritic silt

dark blebs - pyritic silt

139

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: 3
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50		○ ○				
100		○				
140.5		~				
150						

SECTION DESCRIPTION

OBSERVER:

→ see section 1 for color
 Silty clay w/ greenish bands +
 mottles, also poss. mottles of
 yellow-gray ash

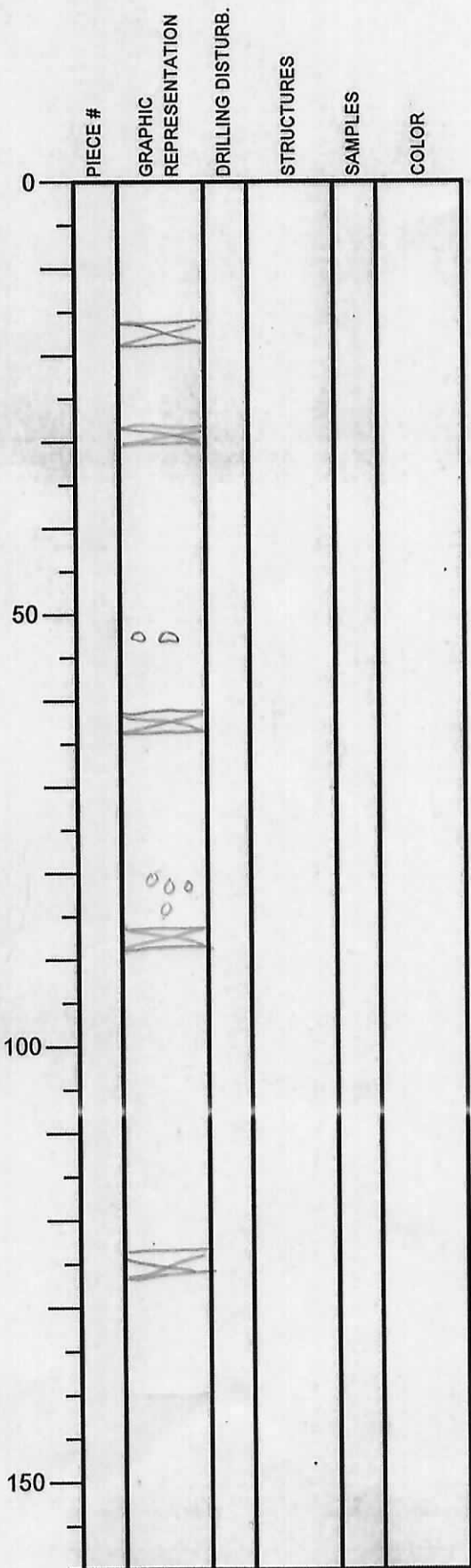
ash blebs

fine pyritic sand blob

140.5

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: 4
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

16-18 void

*solive gray silty clay
w/ greenish bands + mottles*

28-30 void

50 pumice granules

61-63 void

87-89 ash blobs - 85 & 87

87-89 void

140 void

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/21/20 B
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 714
 SECTION: 5
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50			△		
100					
150			△		

SECTION DESCRIPTION

OBSERVER:

olive gray silty clay w/ greenish bands
 + mottles; thin silty sands

silty sand

sd. laminae

burrow? filled w/ H. gray silty clay

ash blebs

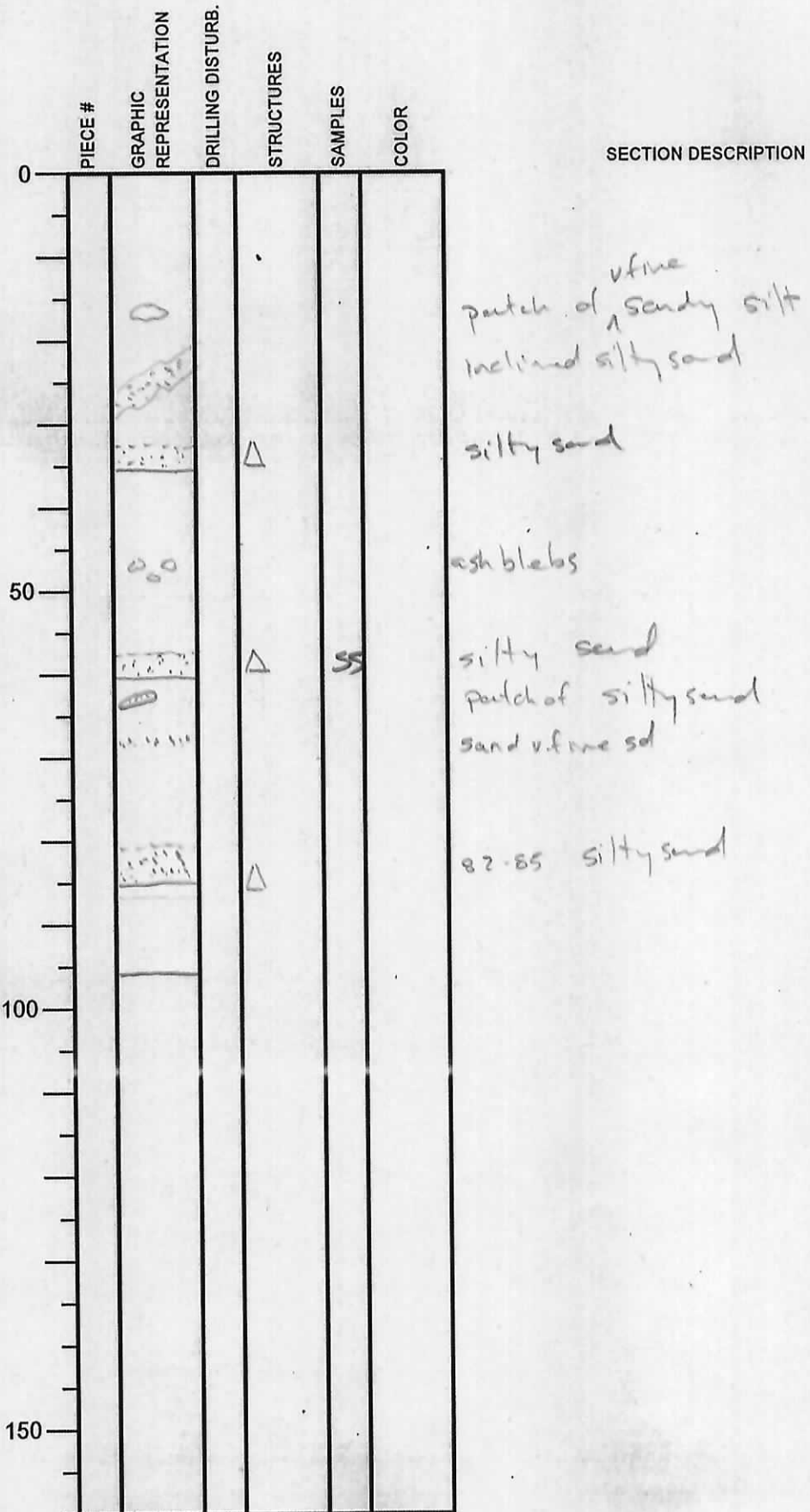
silty sand

143

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 12/20/13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: 6
 TOP DEPTH (m CSF):



OBSERVER:

95.5

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: 7
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0				△		
50		IW				
100						
150						

SECTION DESCRIPTION

fine
 silty sand
 silty fine sand

OBSERVER:

32

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 12/20/13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: 8
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		[Hand-drawn sketch of ash/blebs]				
50		[Hand-drawn sketch of silty u.fine sand]		[Hand-drawn triangle symbol]		
100		[Hand-drawn sketch of silty sand, sand laminae, and fine ash]		[Hand-drawn triangle symbol]		
138.5		[Hand-drawn sketch of patches of u.fine silty sand]				
150						

SECTION DESCRIPTION

OBSERVER:

patch of ash/blebs
 ↑
 scattered ash blebs
 ↓
 silty u.fine sand
 patches of u.fine silty sand
 silty sand
 sand laminae
 fine ash
 patches of u.fine silty sand

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 7H
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50		PAL	•••••			
100						
150						

SECTION DESCRIPTION

OBSERVER:

ash patch ; olive-gray silty clay w/
 scattered blebs of ash
 throughout

50

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/2/20 13
 EXP.: 338
 SITE/HOLE: C002213
 CORE: 814
 SECTION: 1
 TOP DEPTH (m CSF):

OBSERVER:

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		IW				
50		○		/	S	
88		□	/			
100						
150						

SECTION DESCRIPTION

2,564 5/A
 ↑ olive gray silty clay w/ greenish color bands + mottles

small faults

scattered ash blobs throughout

56 cm.

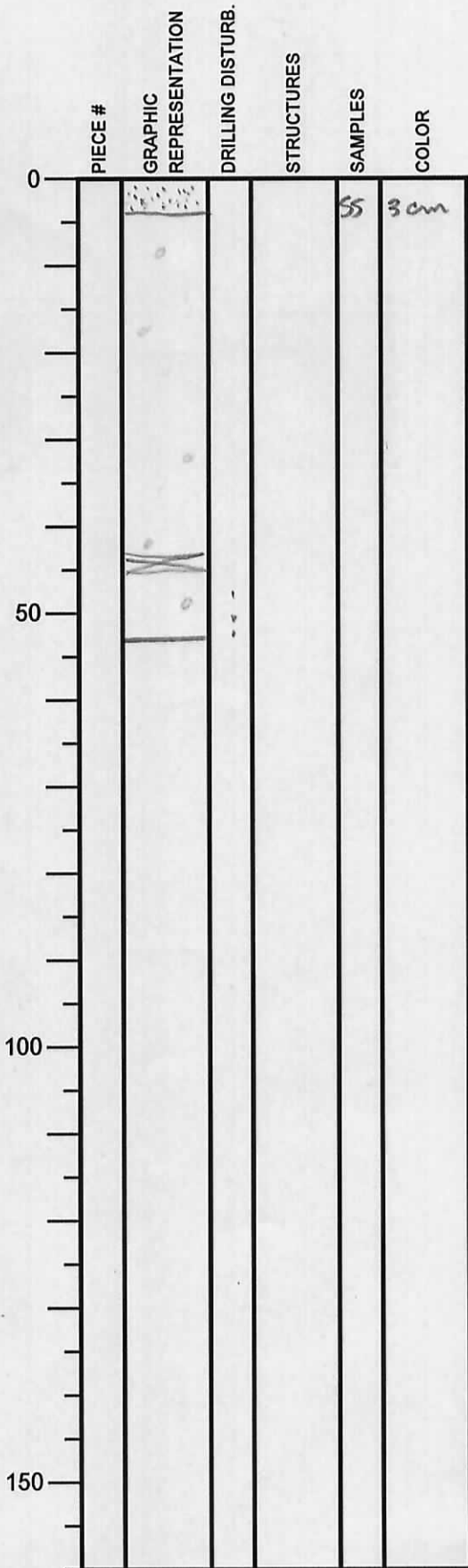
silty sand

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022 B
 CORE: 8H
 SECTION: 2
 TOP DEPTH (m CSF):

63



SECTION DESCRIPTION

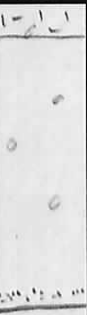

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0002B
 CORE: 8H
 SECTION: 3
 TOP DEPTH (m CSF):

OBSERVER:

32

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100						
150						

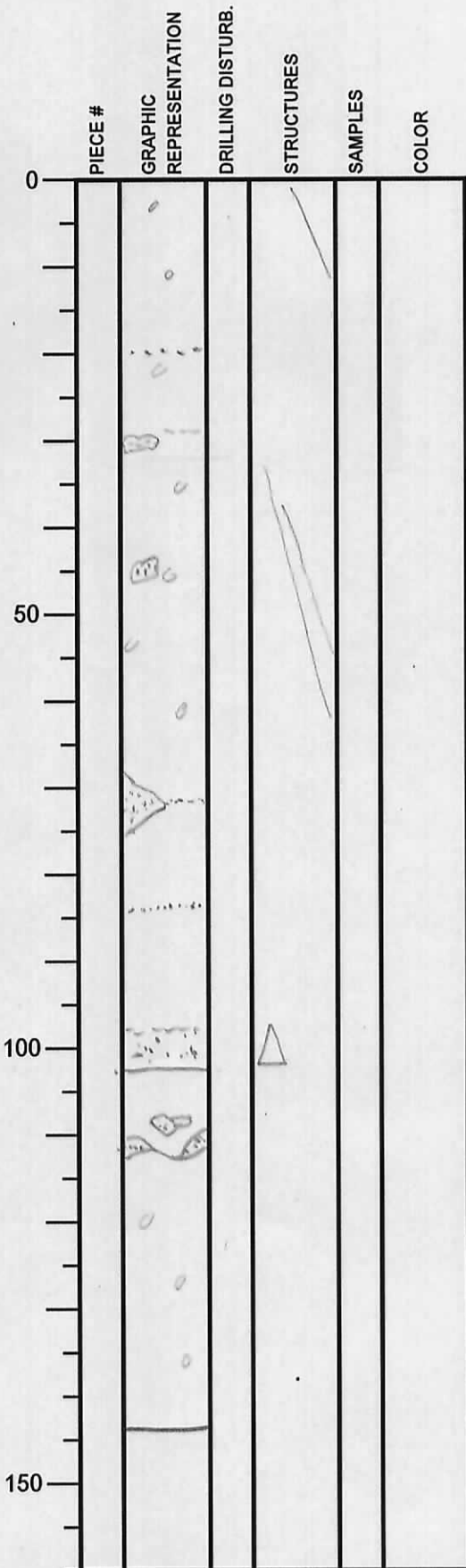
SECTION DESCRIPTION

Shear bands + small faults
 sl lamina
 olive gray silty clay w/ greenish
 color bands; scattered ash blebs
 2567 6/1

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 12/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 84
 SECTION: 4
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

Shear bands + small faults

olive gray silty clay w/ scattered ash blobs throughout; sand as laminae + patches; greenish color bands + mottling

v. fine sd.

v. fine sd. patches

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/2/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 8H
 SECTION: 5
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50				△	SS 33	
100						
142.5						
150						

SECTION DESCRIPTION

OBSERVER:

v. fine sd.
 v.f sd in irreg. patch
 olive gray silty clay w/ greenish color bands & mottles; sd as thin beds & patches; ash blebs scattered throughout
 v.f sd.
 v. fine sd. - faulted?
 v.f sd.
 v.f sd.
 v.f sd.

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 12/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 8H
 SECTION: 6
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
	▲				
	▲		▲		
50	▲		▲		
	▲				
	▲				
	▲				
100	▲		▲		
	▲				
	▲		▲		
150	▲		▲		

SECTION DESCRIPTION

OBSERVER:

Olive gray silty clay w/ thin sds
 as laminae, patches, + beds; greenish
 color-banding + mottles, scattered
 ash blebs (lapilli?) throughout

small faults

↓
 applies to
 sections
 6-cc

v.f. sd.

v.f. sd.

v.f. sd.

ash patch

v.f. sd.

v.f. sd.

v.f. sd.

143

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/2/20 13
 EXP.: 338
 SITE/HOLE: C0022 B
 CORE: 84
 SECTION: 7
 TOP DEPTH (m CSF):

OBSERVER:

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	SECTION DESCRIPTION
0					
	[Hand-drawn ash patch]				ash patch
	[Hand-drawn v.f. sd. with ash blebs]		[Hand-drawn triangle]		v.f. sd. ash blebs throughout
	[Hand-drawn v.f. sd.]		[Hand-drawn triangle]		v.f. sd.
50	[Hand-drawn v.f. sd.]		[Hand-drawn triangle]		v.f. sd.
	[Hand-drawn ash patch]				ash patch
	[Hand-drawn v.f. sd.]		[Hand-drawn triangle]		v.f. sd.
100	[Hand-drawn v.f. sd.]		[Hand-drawn triangle]		v.f. sd.
	[Hand-drawn v.f. sd.]				v.f. sd.
143	[Hand-drawn boundary line]				
150					

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/2/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 8H
 SECTION: 8
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
					SS 34	
					SS 40	
					SS 45	
50						
100						
150						

SECTION DESCRIPTION

OBSERVER:

v.f. sd.

v.f. sd. w/ irreg. base

v.f. sd.

ash blebs throughout

102

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/2/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 814
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
35						
50						
100						
150						

SECTION DESCRIPTION

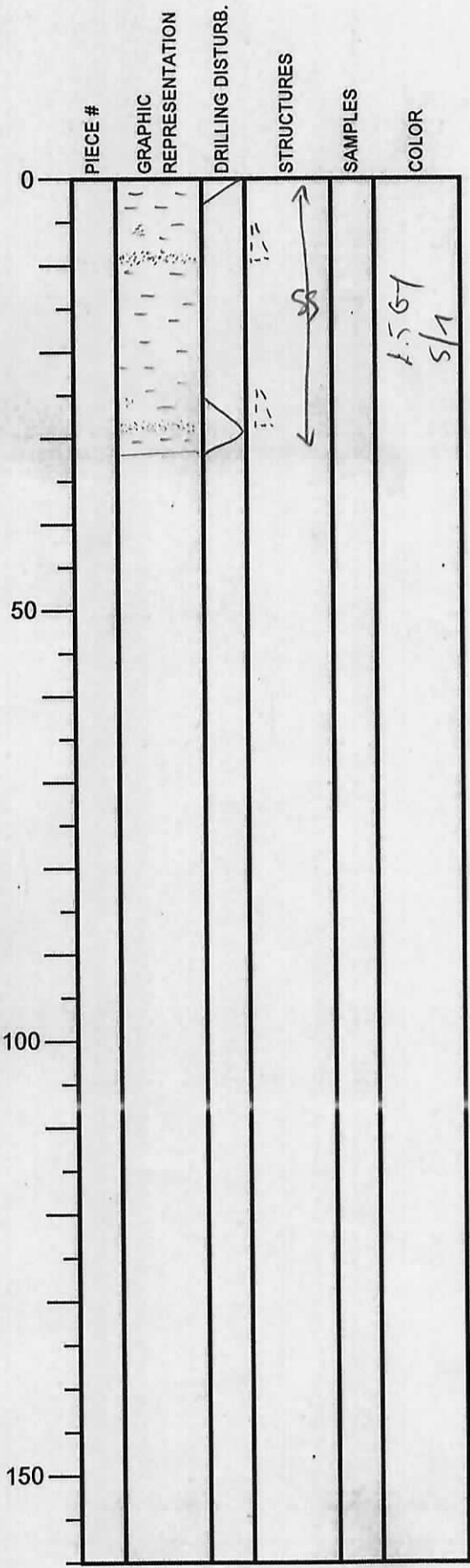
v. f. sd.

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 01/01/2013
 EXP.: 338
 SITE/HOLE: COO223
 CORE: 9T
 SECTION: 1
 TOP DEPTH (m CSF):

Tot. 31,5 cm



SECTION DESCRIPTION

OBSERVER:

0-31,5 cm = silty clay
 Wetubation throughout
 fine sand (silt) layer at
 9-10 cm
 28-29 cm
 → leads blue spring upwards req.
 sand patches 7-8 cm
 24,5-25,5 cm

Integrated Ocean Drilling Program

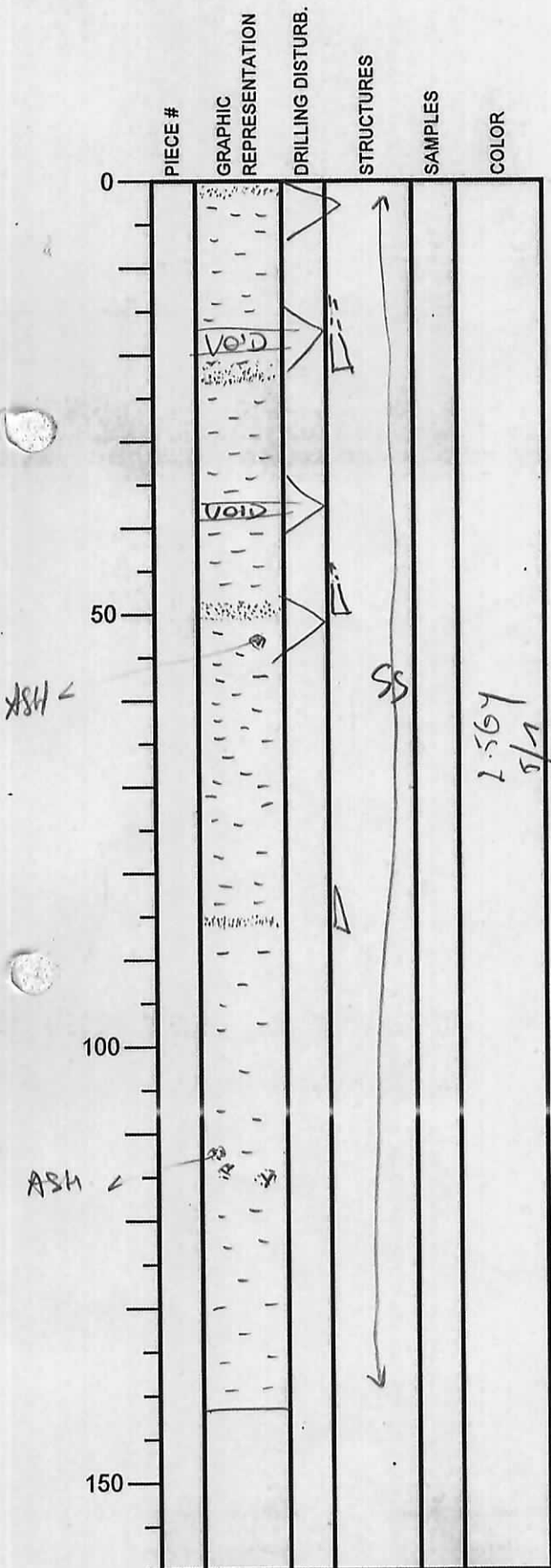
Visual Core Description

NO.
 DATE: 01/01/20 13
 EXP.: 338
 SITE/HOLE: C002B
 CORE: 9T
 SECTION: 3
 TOP DEPTH (m CSF):

Tot. 141 cm

SECTION DESCRIPTION

OBSERVER:



0-141 cm = silty clay
 strong boturbation
 some glauconitic patches

red layer at 1-2 cm
 = black fine red

finely upward sequences from
 fine silt sand to silty
 clay

↳ boxes = red layers at
 20-23 cm
 49-50 cm
 85-86 cm

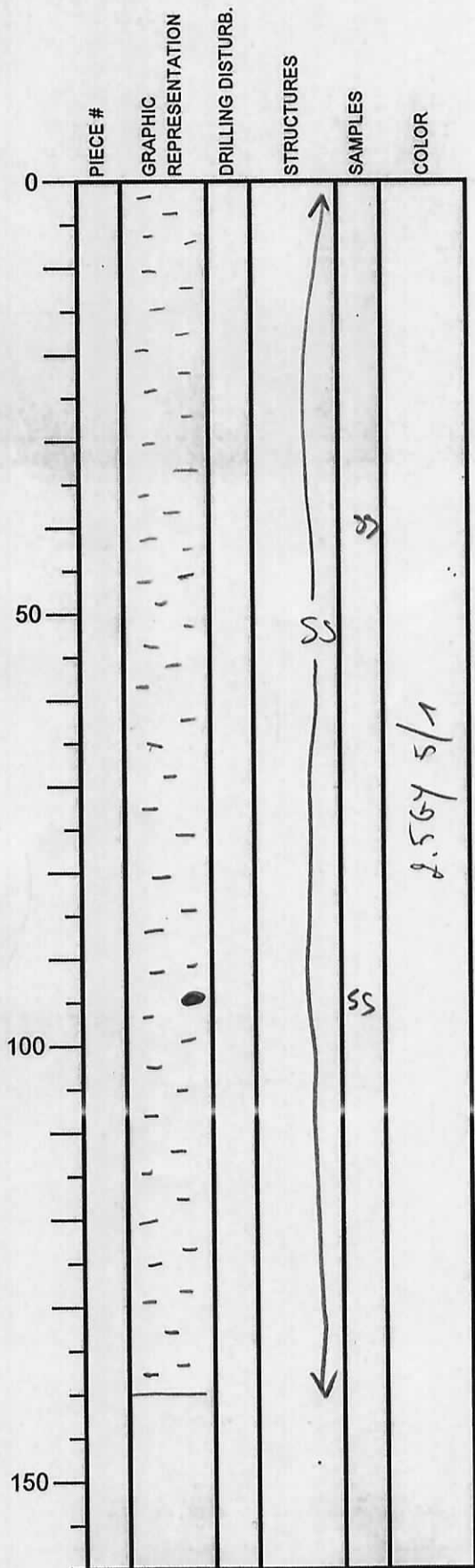
patches of white ash
 1 small one at 53 cm

zone of ash patches
 = 111-115 cm

VOID: 17-19
 37-38.5

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 02/10/2013
 EXP.: 338
 SITE/HOLE: Cook B
 CORE: 9T
 SECTION: 4
 TOP DEPTH (m CSF):



Tot. Moch

SECTION DESCRIPTION

OBSERVER:

0-140cm = silty clay
 strong boturbation

94-96 cm = small pebble-sized
 clast
 puna or lepto??

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 04/01/20
 EXP.: 338
 SITE/HOLE: C00223
 CORE: 9T
 SECTION: 5
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			↑		
50			SS		v/s 195T
100			↓		
150					

Tot. 101cm

SECTION DESCRIPTION

OBSERVER:

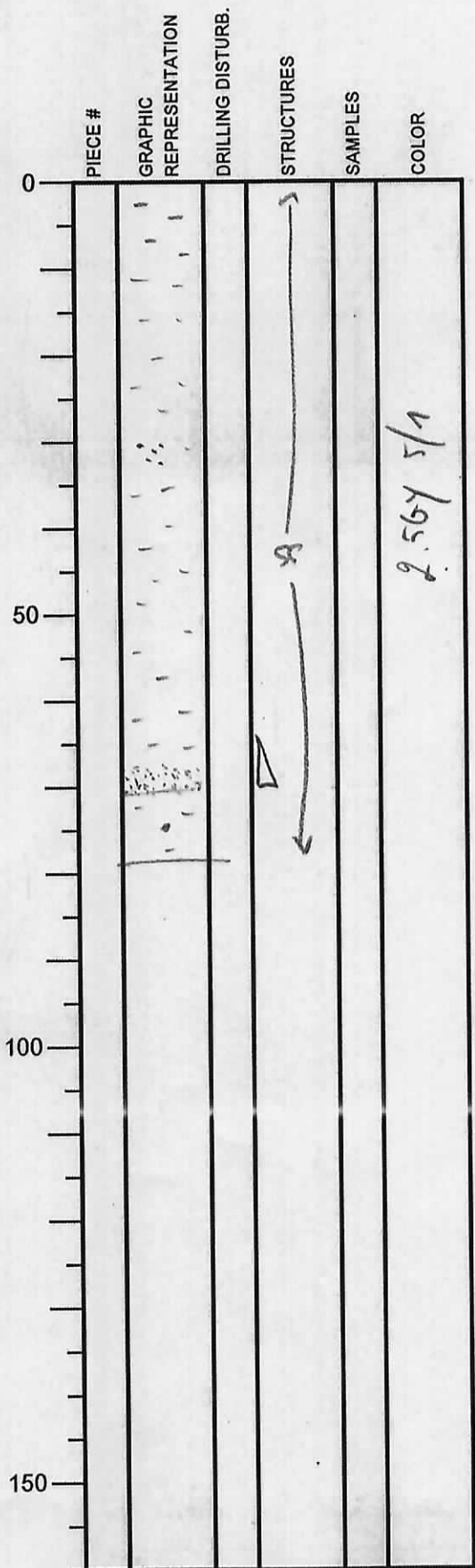
0-101cm = silty clay
 many Ostracoda
 small pebble (pewee or lepto?)
 41-42cm
 granules (pewee or lepto?)
 (Ø 2mm)
 87cm
 89cm
 small fine black red
 patches
 * 40-61cm
 * 55cm
 * 71.5-72cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 02/04/2013
 EXP.: 338
 SITE/HOLE: C0012B
 CORE: 9T
 SECTION: 6
 TOP DEPTH (m CSF):

Tot. 78cm



SECTION DESCRIPTION

OBSERVER:

0-78cm cm = silty clay
 strong lamination
 fine upwards sequence from
 fine grey sand to silty
 clay
 ↳ refal box = 68,5-70cm
 some very small quartz
 nodules (fragments 0,5cm)
 ↳ 30-33cm
 76cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 2/2/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 9T
 SECTION: CC
 TOP DEPTH (m CSF):

Tot. 30,5cm

SECTION DESCRIPTION

OBSERVER:

0-30,5 cm = silty clay
 strong heteroturbation

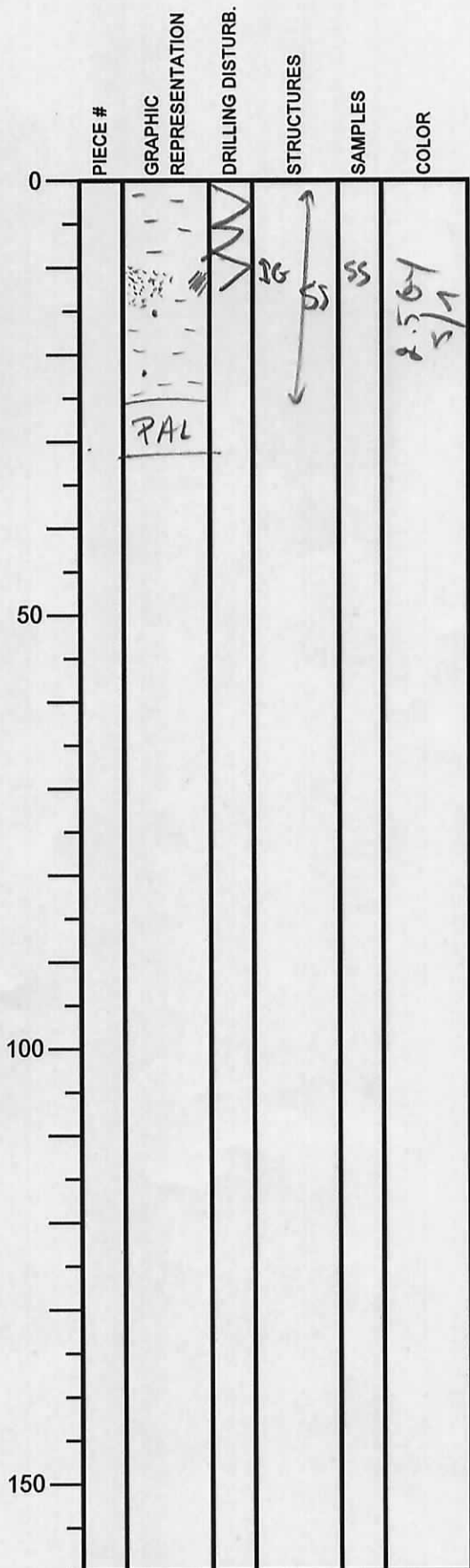
10-11 cm = glauconite patch

12-14,5 cm = large fine gray
 sand patch

quartz fragments (ϕ 1mm)

- * 16cm
- * 13cm

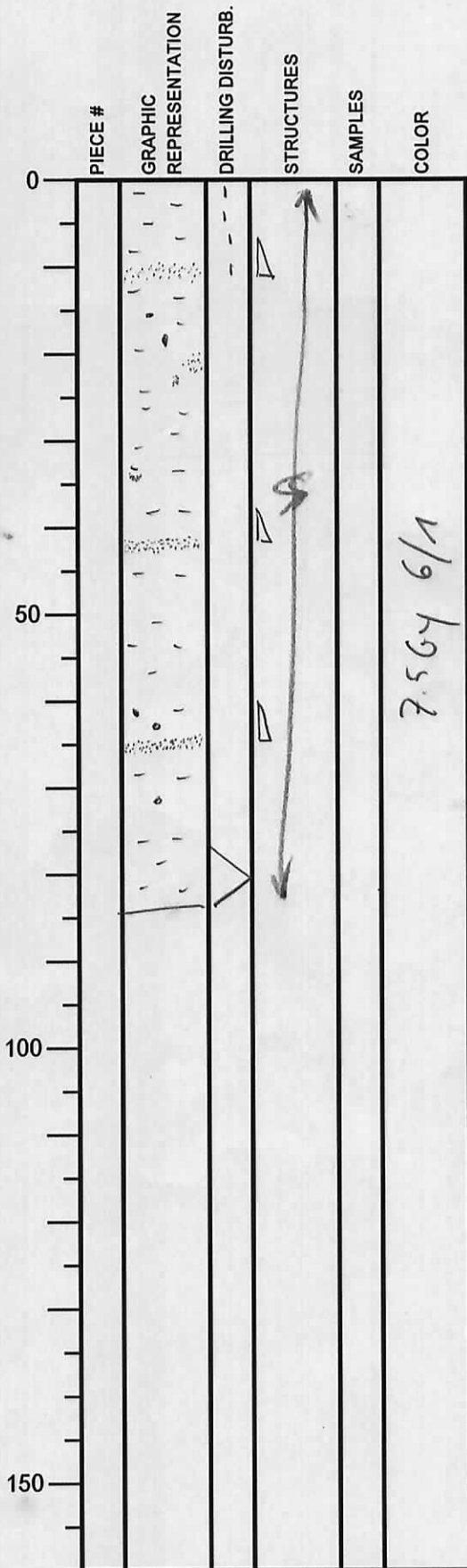
25-30,5 cm = PAL sample



Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 10/20/13
 EXP.: 338
 SITE/HOLE: CoakB
 CORE: 10T
 SECTION: 1
 TOP DEPTH (m CSF):

tot. = 84cm



SECTION DESCRIPTION

OBSERVER:

0-84 cm = silty clay
 homogeneous
 fine upwards increases from
 sand fine gray sand to silty clay
 sand band = 10-13 cm
 * 43-44 cm
 * 65-66 cm
 sand patch = 20-22 cm
 mica / ash scattered
 * 15-20 cm
 * 34-35 cm
 * 62-65 cm
 * 71-72 cm

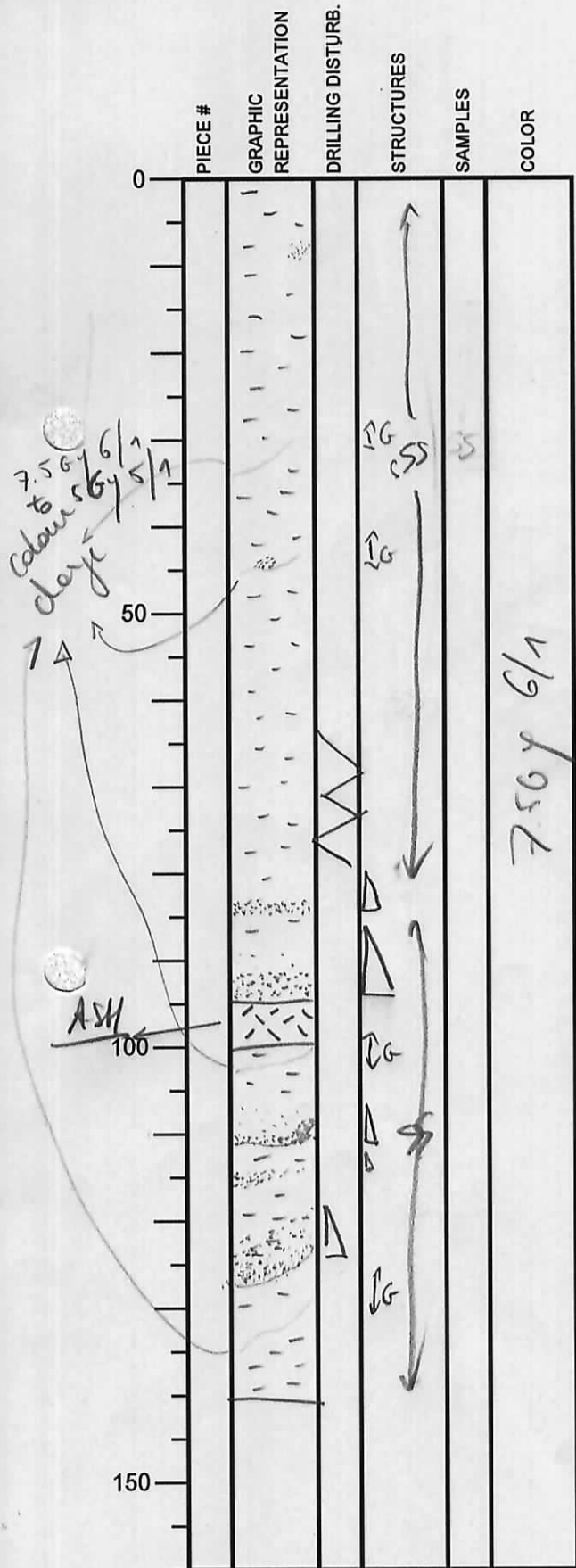
Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 9/1/20
EXP.: 338
SITE/HOLE: C00223
CORE: 10T
SECTION: 3
TOP DEPTH (m CSF):

Tot. 140 cm

SECTION DESCRIPTION

OBSERVER:



0-140 cm = silty clay
homogeneous

→ 95-100 = white/gray very
fine red
volcanic ash
sharp top & base

→ fine upwards sequences
from fine black/gray
leads to silty clay
sandy base =
+ 84-85 cm

+ 92-95 cm
no sharp horizontal base

+ 110-111 cm
no erode base?
= inclined

+ 115-115.5 cm

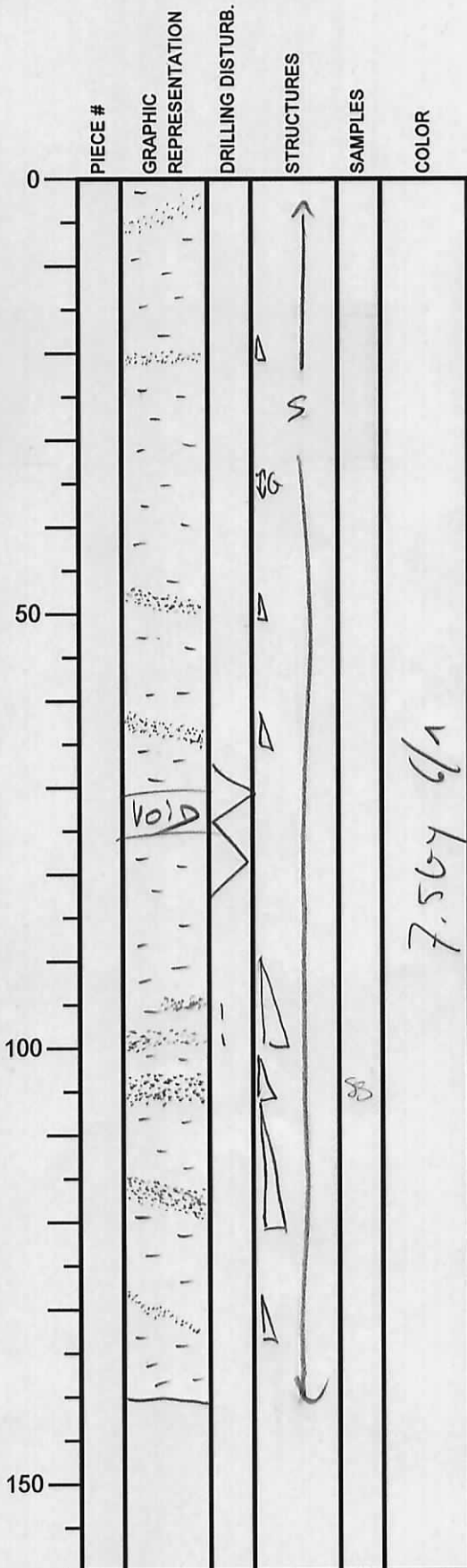
+ 120-127 cm
no erode base?
= inclined
sand patches
+ 7.5-9 cm
+ 44-45 cm

distinctive colour layers (inclined boundary)
7.5 y 6/1 to 50 y 5/1
= glauconite? → yellow?
+ at 23 cm, 34 cm, 102 cm, 133 cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 01/01/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 10T
 SECTION: 4
 TOP DEPTH (m CSF):



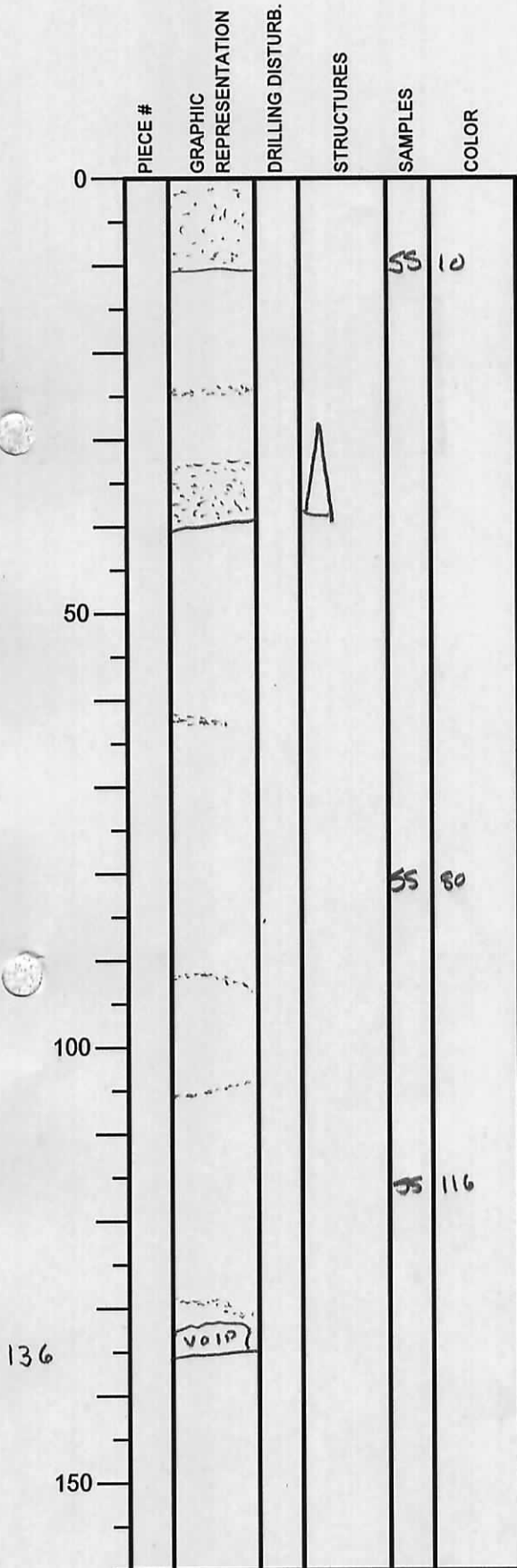
Tot. = 140cm
 SECTION DESCRIPTION

OBSERVER:

0-140cm = silty clay
 homogeneous
 sand patch / burrow filled with sand
 + 4-6cm
 + 95,5-96,5cm
 going upward sequences from fine
 sand to ~~medium~~ silty clay
 fine sandy bore =
 + 21cm
 + 49-50cm
 → bore = slightly inclined
 + 64-65cm
 → bore = inclined
 + 98-100,5cm
 + 103-106cm
 → sand = coarser than
 other sequences
 + 112-119cm
 → inclined bore
 = erode?
 + 128,5-129cm
 → inclined bore
 = erode?

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/9/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 10T
SECTION: 5
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

silty
fine sd
1

dk olive gray silty clay

SGY4/1

6/ minor fine sd (N4/10)

sd lamina

fine sd

patch of sd

sd lamina

sd lamina

sd lamina

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/9/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 10T
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		[Hand-drawn texture]		[Hand-drawn triangle]	SS 12	
		[Hand-drawn texture]			SS 18	
		PAL				
50						
100						
150						

SECTION DESCRIPTION

OBSERVER:

v. fine sd

gray sd and olive gray silty clay

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/9/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 11T
SECTION: 1
TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		HW	/			
50		[dotted pattern]	/	[triangle]		
75		[horizontal lines]				
100		[horizontal lines]				
150						

SECTION DESCRIPTION

OBSERVER:

SGYA/A

dk olive gray silty clay

v/g gray finesand

sand lamina

finesand

sd lam.

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1 / 9 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 11T
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		[Hand-drawn pattern]		[Hand-drawn triangle]		
		PAL				
50						
100						
150						

SECTION DESCRIPTION

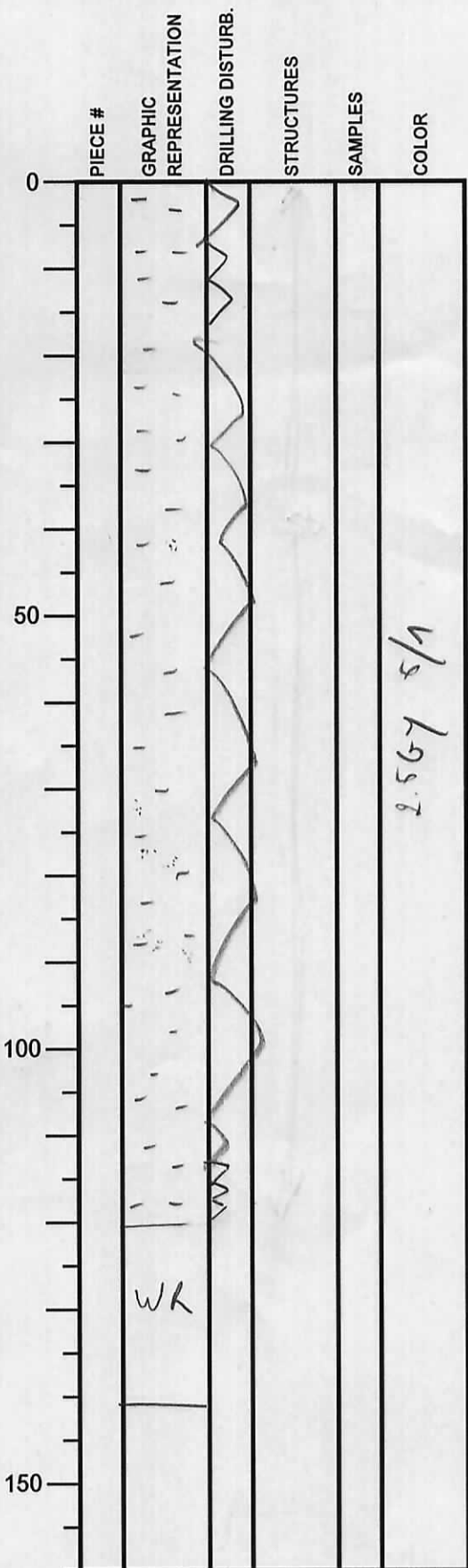
fine sd

OBSERVER:

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 02/10/11 20 13
 EXP.: 338
 SITE/HOLE: Coo12g
 CORE: 12X
 SECTION: 1
 TOP DEPTH (m CSF):



Tot. 140,5 cm
 SECTION DESCRIPTION

0 - 129,5 cm =
 silty clay
 very homogeneous, no structures
 but very sticky dolly abundant.
 small sand blobs

- * 43,5 cm
- * 73 cm
- + 77,5 cm
- + 88,5 cm

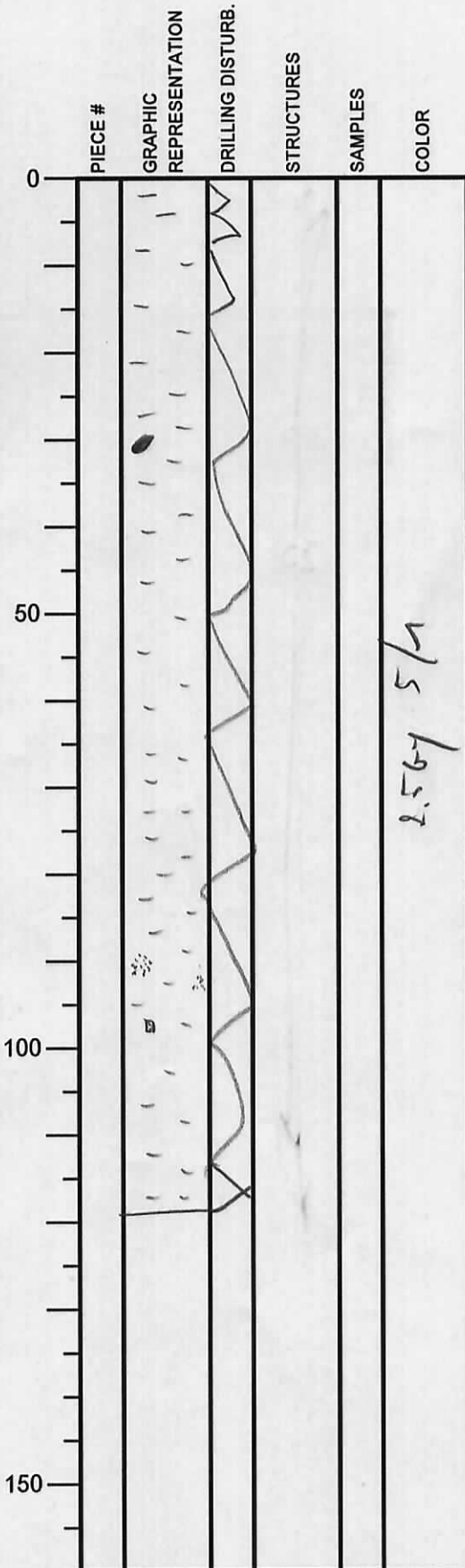
OBSERVER:

140,5 - 140,5 cm = WK

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 02/01/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 12X
 SECTION: 2
 TOP DEPTH (m CSF):



Tot. 118cm
 SECTION DESCRIPTION

OBSERVER:

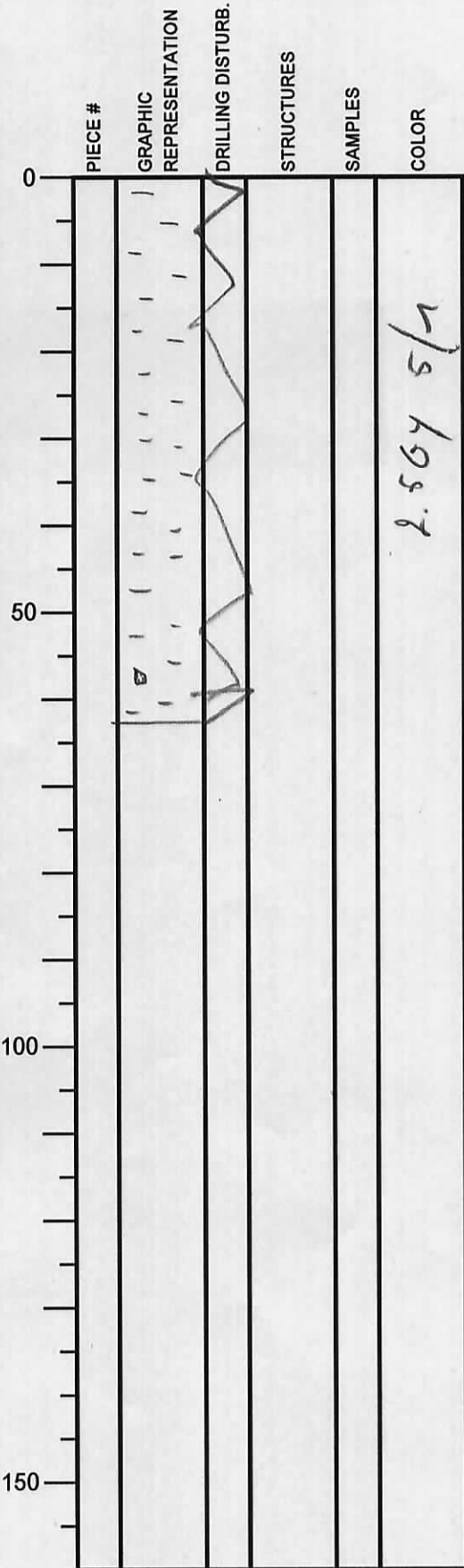
0-118cm = silty clay
 homogeneous
 very strong drily cemented
 pebble (± 2cm) = 30-32cm
 sand patches 89-90cm
 93-94cm
 pumice scattered 97-100cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 2/01/20 13
 EXP.: 338
 SITE/HOLE: COOBB
 CORE: 12X
 SECTION: 3
 TOP DEPTH (m CSF):

Total 63,5cm



SECTION DESCRIPTION

0-63,5cm = silty clay
 homogeneous
 very fine strong drilling distur.
 59-60cm = purple pebbly

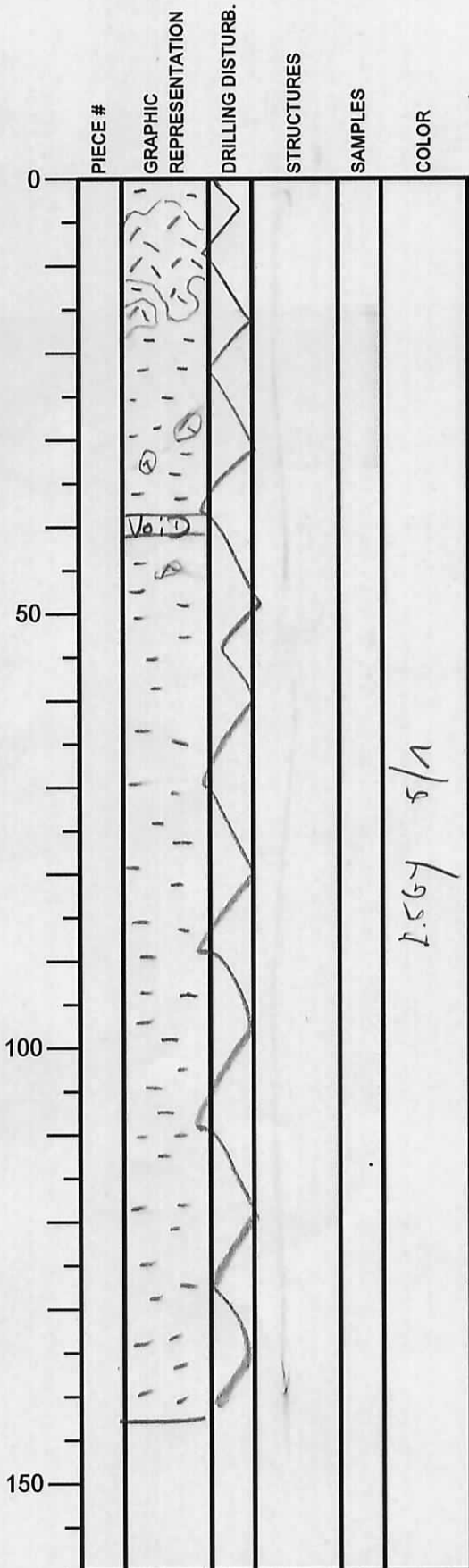
OBSERVER:

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 02/04/20 13
 EXP.: 338
 SITE/HOLE: Coadd B
 CORE: 12x
 SECTION: 4
 TOP DEPTH (m CSF):

Tot. = 143 cm



SECTION DESCRIPTION

OBSERVER:

0 - 143 cm = silty clay
 homogeneous (mostly)
 w/ very heavy drilling disturbance
 4-15 cm very large irregular white/beige
 ash patch
 smaller ash patches
 * 19-21 cm
 † 21-23 cm
 x 30-35 cm
 † 42-48 cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 2/10/2013
 EXP.: 338
 SITE/HOLE: 0022B
 CORE: 12X
 SECTION: 5
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50					SS	
100						2.56y 5/1
150						

Tot. = 140 cm

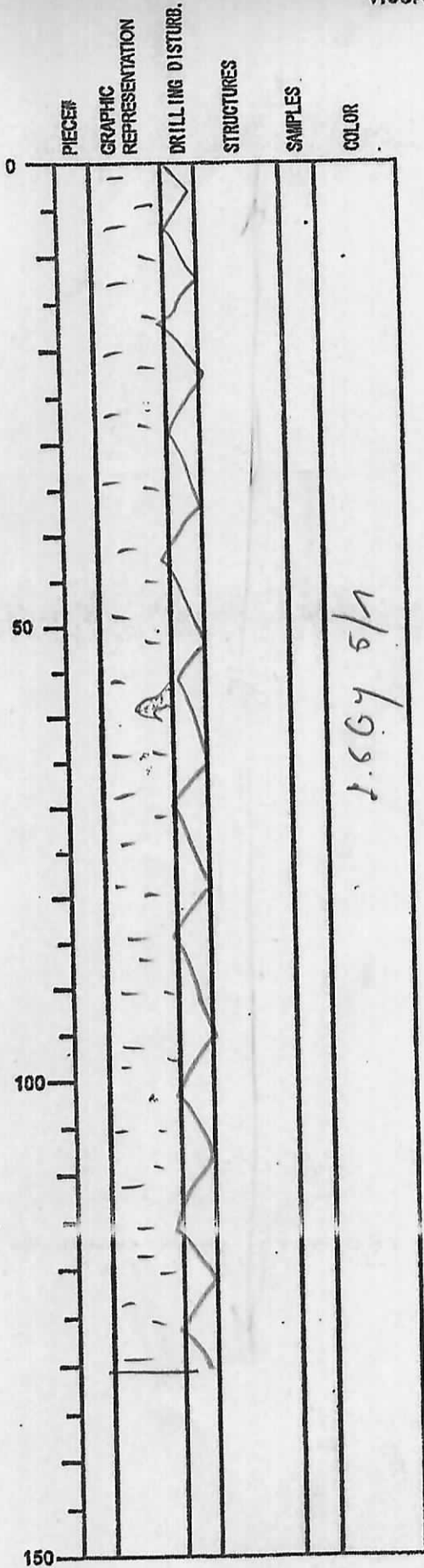
SECTION DESCRIPTION

0-140 cm = silty clay
 unstructured
 hemorell cans
 very heavy
 small patch of ash at
 + 23 cm
 + 66, 5 cm
 drilly distur-
 bance

OBSERVER:

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 0210/120 13
EXP: 338
SITE/HOLE: C0022B
CORE: 1LX
SECTION: 6
OBSERVER:



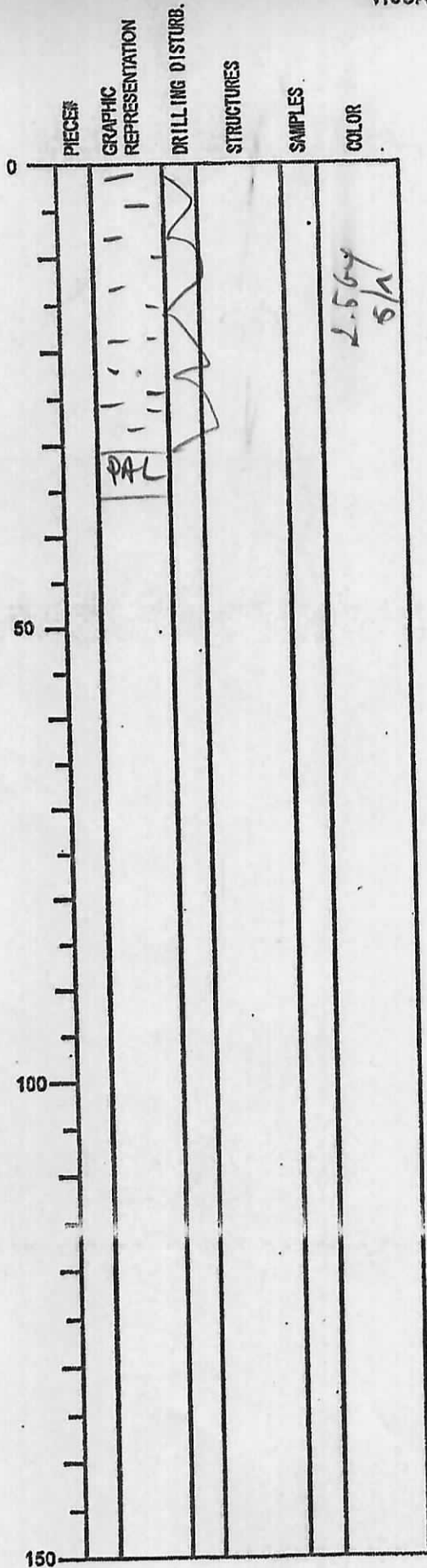
Toh 130 cm
SECTION DESCRIPTION

0-130 cm = silty clay
homogeneous
structureless
very strong drilling disturbance
very small (1-2mm ϕ) ash
(white) patches at
* 26cm
* 103, 5cm
* 66-66

57-59 cm = block fine sand
patch

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 02/01/2013
EXP: 338
SITE/HOLE: 0022B
CORE: 1XX
SECTION: CC
OBSERVER: CC



ht = 36 cm
SECTION DESCRIPTION

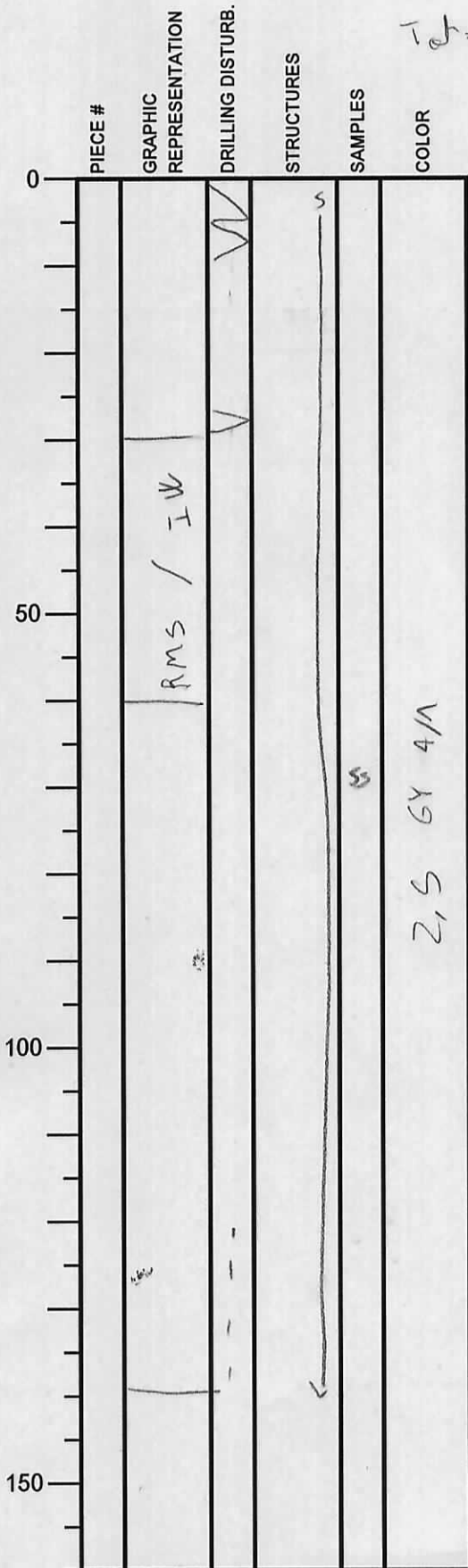
0-30 cm = silty clay
structureless
homogeneous
→ very strong silty distur-
bance
23cm = small white ore
patch

30-36 cm = PAL SAMPLE

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 3/11/2013
 EXP.: 338
 SITE/HOLE: C00223
 CORE: 13X
 SECTION: 1
 TOP DEPTH (m CSF):

Tot = 140 cm



SECTION DESCRIPTION

OBSERVER: SR

Dark olive gray silty clay m / laminated
 Structureless

• 89: patch of fine sand

• 117: clayey silt-filled laminae m /
 greenish bands wrapping its upper half

• 134: sand-filled laminae (?)

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 3/1/2013
 EXP.: 338
 SITE/HOLE: 0022B
 CORE: 13X
 SECTION: 2
 TOP DEPTH (m CSF):

OBSERVER: SR

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50		VOID	-			2.5 GY 9/1
100						
150						

Total = 79

SECTION DESCRIPTION

Dark olive gray silty clay w/ lamination.
 Structureless
 34-37: inclined fine sand band

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: / /20
 EXP.: 338
 SITE/HOLE: ~~02B~~ C00229
 CORE: 13x
 SECTION: 3
 TOP DEPTH (m CSF):

Tot = 142cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50					
100					
150					

SECTION DESCRIPTION

OBSERVER: SE

. Dark olive gray silty clay w/
 lamination. Structureless

2,5 6 Y 4/A

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 3/1/20 B
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 13X
 SECTION: 4 1
 TOP DEPTH (m CSF):

Tot = 94 cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50		*			Z/S GY A/A
100	XXX				
150					

SECTION DESCRIPTION

OBSERVER: SR

Dull olive gray silty clay w/ lamination and greenish mottling. Structureless

• 53: ash (?) lobe

• 89-90: ash patch

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 3/1/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 13X
 SECTION: 5
 TOP DEPTH (m CSF):

Total = 141 m

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50					
100					
150					

SECTION DESCRIPTION

OBSERVER: SA

*Dark olive gray silty clay w/
 lamination. Structureless*

2,5 BY 4/A

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 3/1/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 13Y
 SECTION: 6
 TOP DEPTH (m CSF):

Total

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50	SS				2, 5, 6, 4, 1
100					
150					

SECTION DESCRIPTION

OBSERVER: SR

Dark olive gray silty clay
 structureless.

CT image shows very little to no evidence of
 lamination

. 18-27 : silt scattering

. 57 . patch of dark fine sand

. 64 : " "

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 3/1/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 13X
 SECTION: CC
 TOP DEPTH (m CSF):

Td-29.5 m

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0	PDC			SS	2.5 6Y 4/1
50					
100					
150					

SECTION DESCRIPTION

OBSERVER: CR

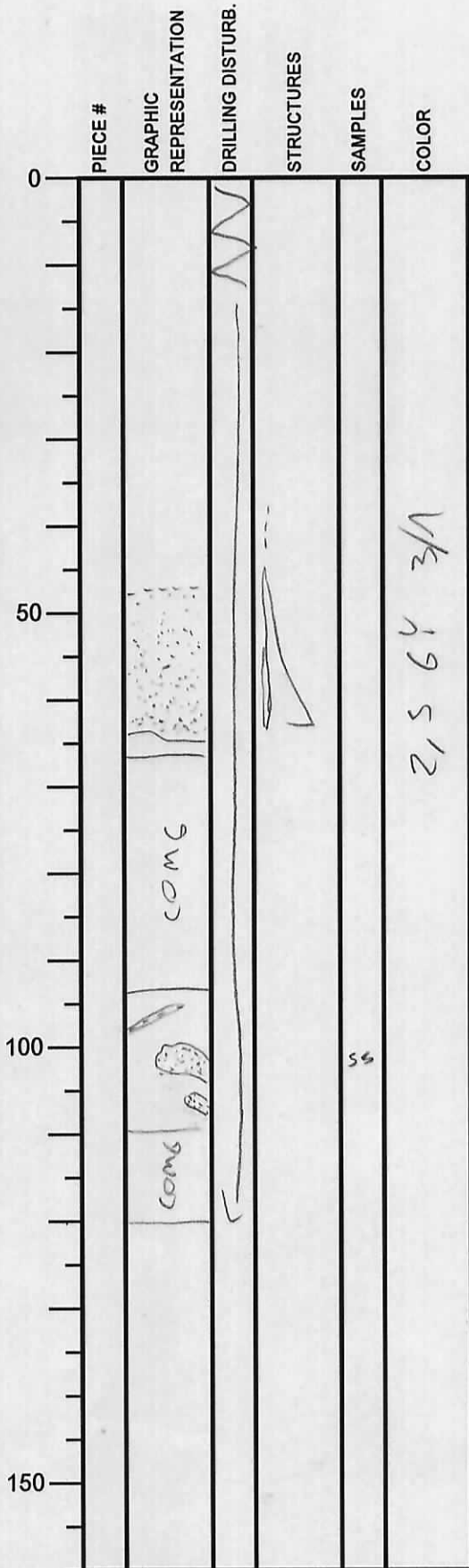
Dark olive gray silty clay. Structureless

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 11/20/12
 EXP.: 336
 SITE/HOLE: 0022B
 CORE: 144
 SECTION: 1
 TOP DEPTH (m CSF):

T6:120



SECTION DESCRIPTION

OBSERVER: SR

Dark olive gray silty clay.

Dark gray fine sand is the main lithology

Disturbance most clearly visible in the
 CI mag (present in all sections)
 → spindled

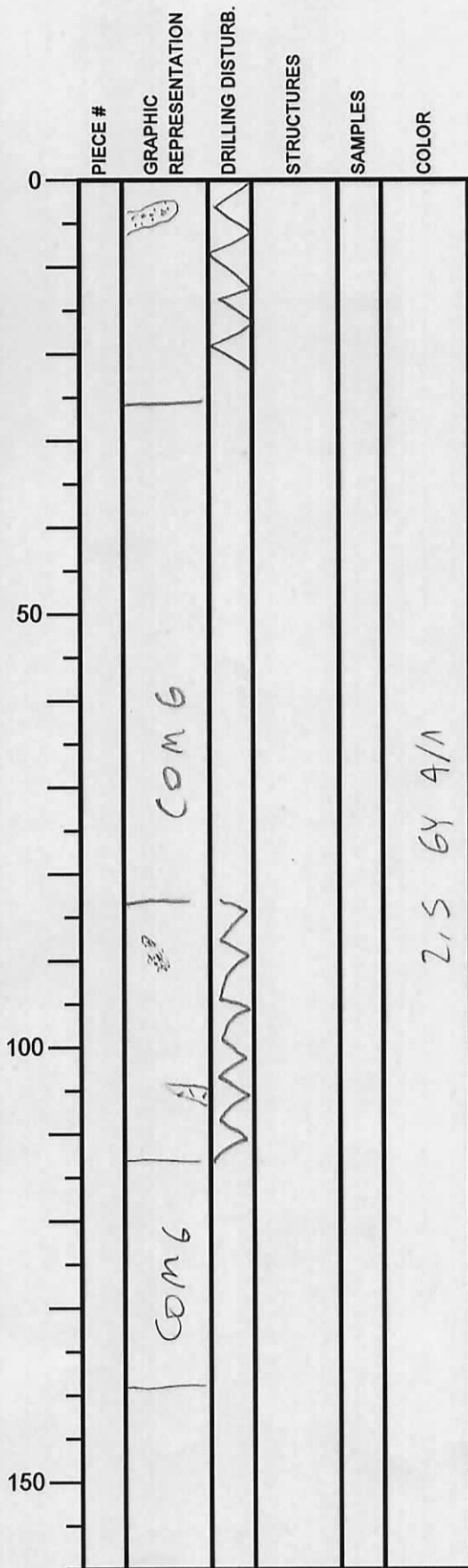
• 97: silt lenses

• 100-106: fine sand patches

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 3/11/2013
 EXP.: 338
 SITE/HOLE: C00223
 CORE: 14 x
 SECTION: 2
 TOP DEPTH (m CSF):

OBSERVER: SR



SECTION DESCRIPTION

• 5. sand patch

• 87-90: sand patch

• 105. ash patch

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 3/1/2012
 EXP.: 338
 SITE/HOLE: C0220
 CORE: 1A
 SECTION: 3
 TOP DEPTH (m CSF):

T_f = 149 cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50	COM 6	[Wavy line]			
100	COM 6	[Wavy line]			
150	COM 6	[Wavy line]			

SECTION DESCRIPTION

OBSERVER: SR

• Description: See Section 1

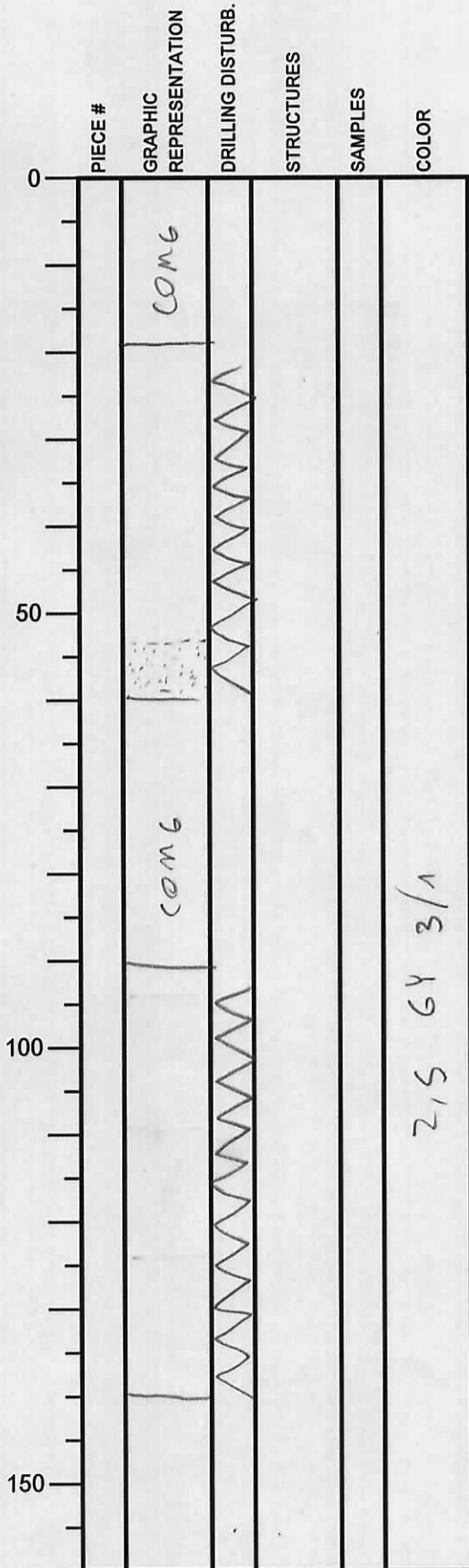
- 37-42: inclined sand laminae
- 100-104: " "
- 137-139: " "

25 GY 3/1

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1 / 3 / 20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 14 v
 SECTION: 4
 TOP DEPTH (m CSF):

Tot = 140



SECTION DESCRIPTION

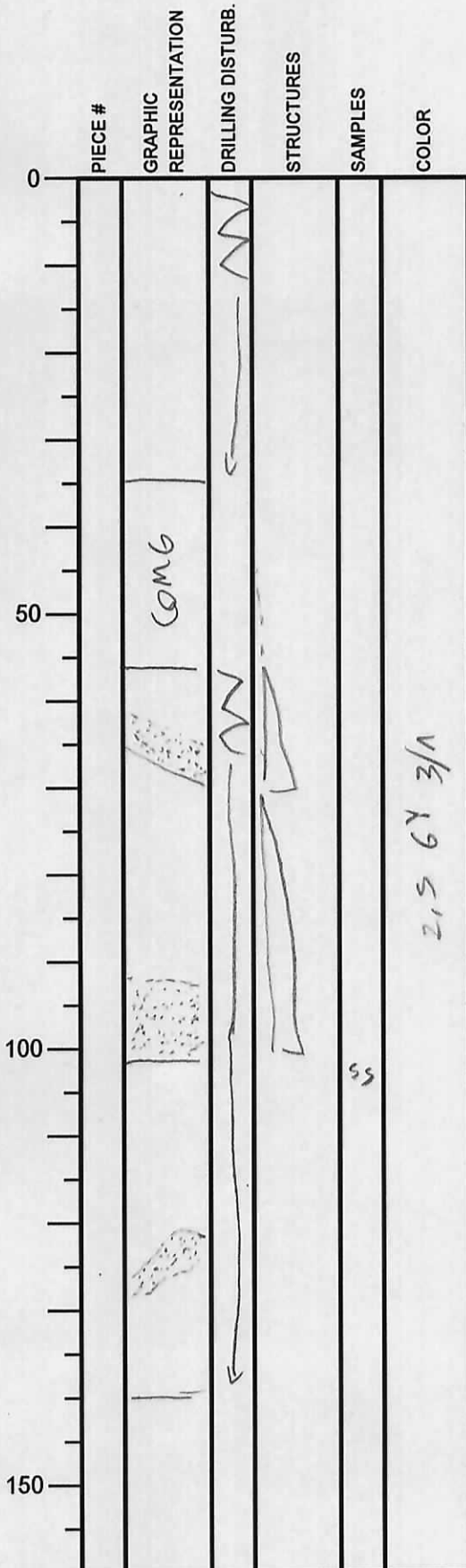
OBSERVER: SR

Description: see section 1

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 3/1/2013
 EXP.: 338
 SITE/HOLE: C00223
 CORE: 14x
 SECTION: 5
 TOP DEPTH (m CSF):

OBSERVER: SR



SECTION DESCRIPTION

Description: see section 1

• 133-134: sand patch

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 3/11/2012
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 14X
 SECTION: 6
 TOP DEPTH (m CSF):

T_d = 140

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		[Hand-drawn sketch of a small object]	[Hand-drawn wavy line]			
50						
100						2, 5 GY 3/1
150						

SECTION DESCRIPTION

OBSERVER: SR

Description: see section 1
 14-17: sand patch

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 3/1/2013
 EXP.: 336
 SITE/HOLE: C0027B
 CORE: 14x
 SECTION: 7
 TOP DEPTH (m CSF):

Tot = 38cm

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			N			
50						2S 6Y 3/A
100						
150						

SECTION DESCRIPTION

OBSERVER: SR

• Description: see Section 1

• 30-32 greenish mottles

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 31/1/2013
 EXP.: 336
 SITE/HOLE: C00220
 CORE: 14x
 SECTION: 8
 TOP DEPTH (m CSF):

Total 45, 5 cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0	comg	M			
50		↓			2.5 6Y 3/1
100					
150					

SECTION DESCRIPTION

OBSERVER: SR

- Description: see Section 1
- 13-18: fine sand. Irregular. Disturbed
- 31-35: patch of fine sand
- 40-45: greenish mottles

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/3/2013
 EXP.: 328
 SITE/HOLE: C9022B
 CORE: 14x
 SECTION: CC
 TOP DEPTH (m CSF):

T ot = 35,5 cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		~			
	PAX				35 64 3/A
50					
100					
150					

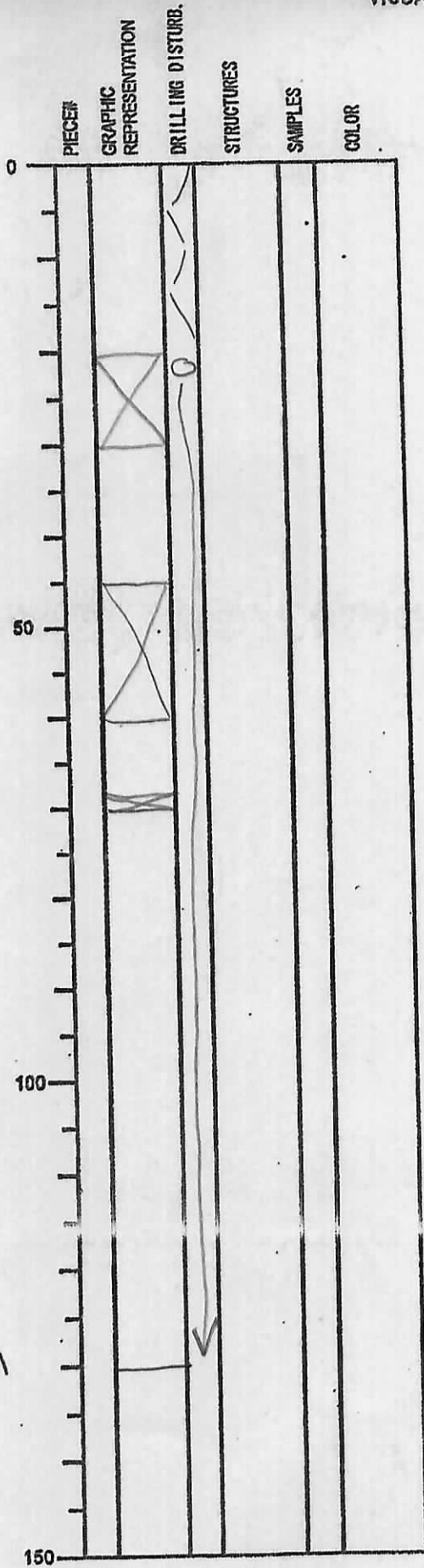
SECTION DESCRIPTION

OBSERVER: SR

• Structureless dark blue gray silty clay

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 1 13 120 13
EXP: 338
SITE/HOLE: C0022B
CORE: 15X
SECTION: 1
OBSERVER:



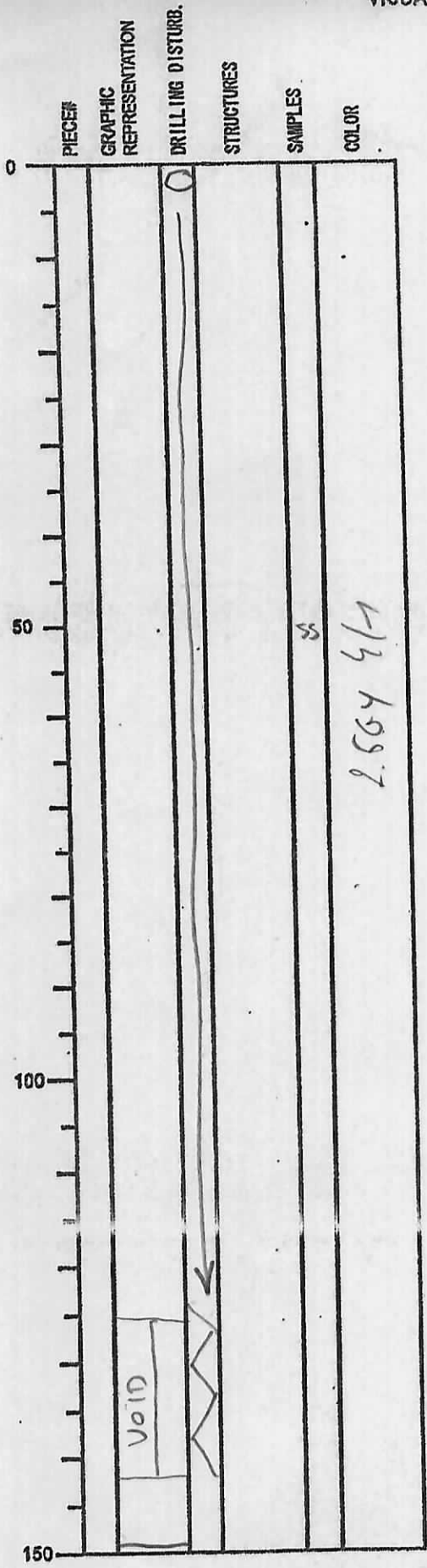
SECTION DESCRIPTION

heavily disturbed throughout -
on CT is seen to be biscuits w/
swirled drilling slurry - any sand
may be lost

Intact fragments (biscuits) are
olive gray silty clay
2.5.674/1

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 11/3/2013
EXP: 338
SITE/HOLE: C0022B
CORE: 15X
SECTION: 2
OBSERVER:



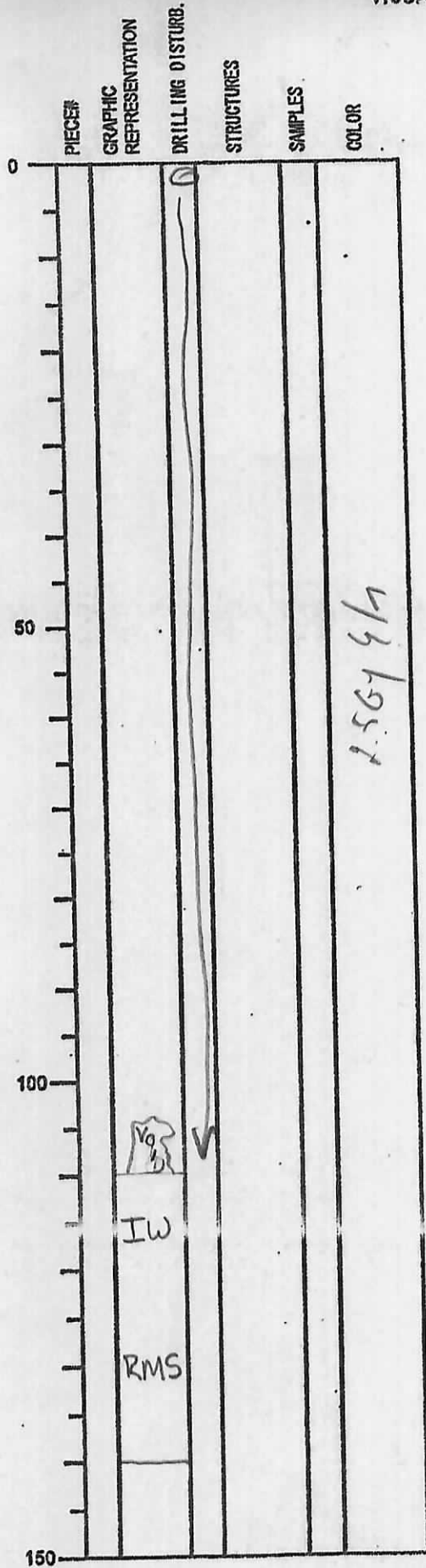
SECTION DESCRIPTION

olive gray silty clay -
heavily bisquitized throughout

149.5

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 1 13 120 13
EXP: 338
SITE/HOLE: C0022B
CORE: 15X
SECTION: 3
OBSERVER:



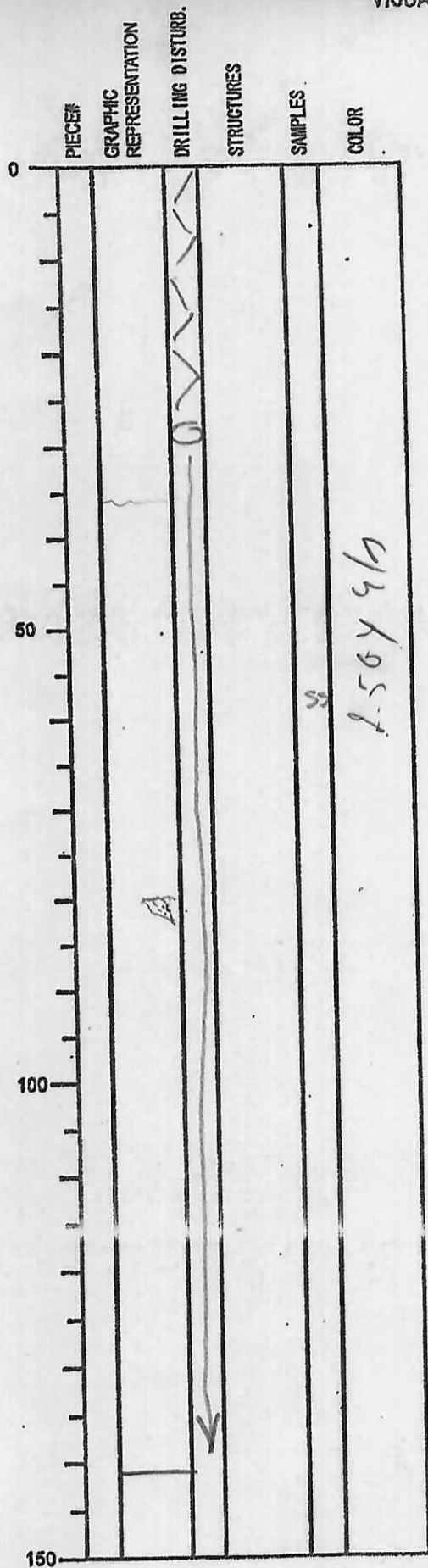
SECTION DESCRIPTION

olive gray silty clay -
heavily biogritted throughout

140

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 1/3/2013
EXP: 338
SITE/HOLE: C0022B
CORE: 15X
SECTION: 4
OBSERVER:



SECTION DESCRIPTION

olive gray silty clay -
heavily biogritted throughout;
upper 25 cm may be brecciated
w/ slurry between fragments

clay chert at 36 cm
2.56y 4/2 to 56 4/2

80-83 cm = red patch
= fine red
block

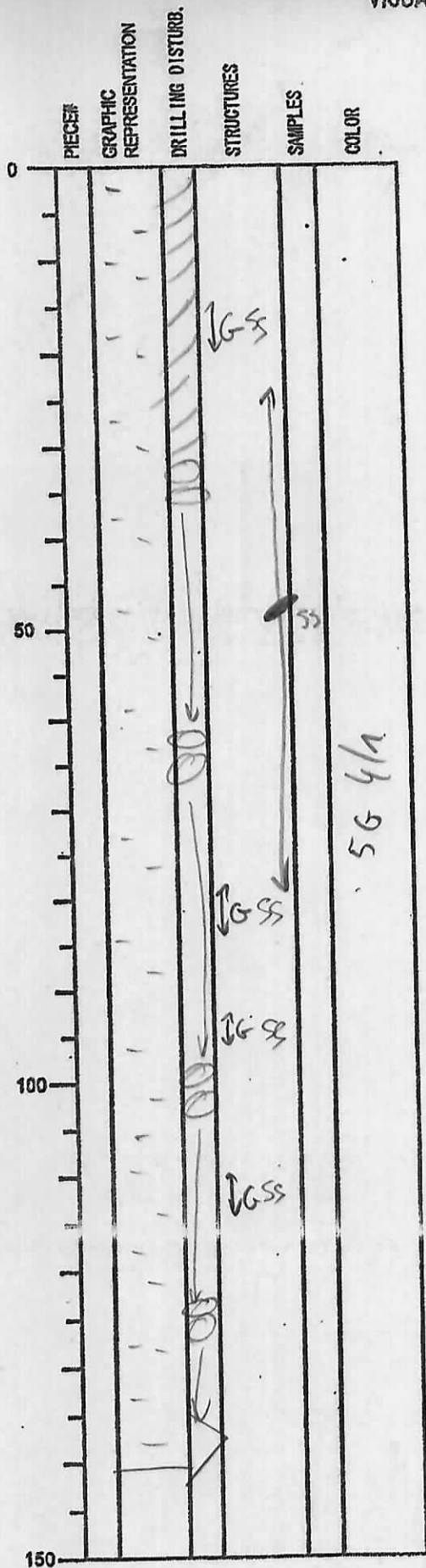
141

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 1/13/2013
EXP: 338
SITE/HOLE: C002213
CORE: 15X
SECTION: 5
OBSERVER:

Tot. 141 cm

SECTION DESCRIPTION

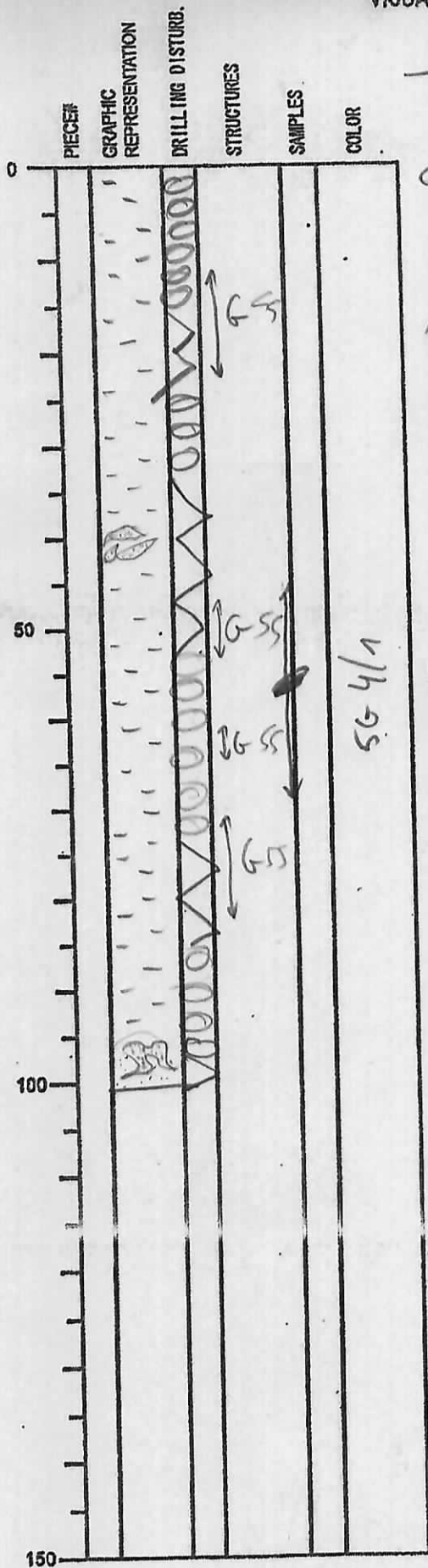


0-141 cm = silty clay
strong doling disturbance
→ irregularly for 30cm
splits lower down
⇒ some evidence of *Gotulidita*
= glaucowid burrows
15-20
20-75
80-85
110-115

25-70cm = very small shell
fragments
= organic matter?
pyrite?

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 03/01/2013
EXP: 338
SITE/HOLE: C002B
CORE: 15X
SECTION:
OBSERVER:



Total = 100.5 cm

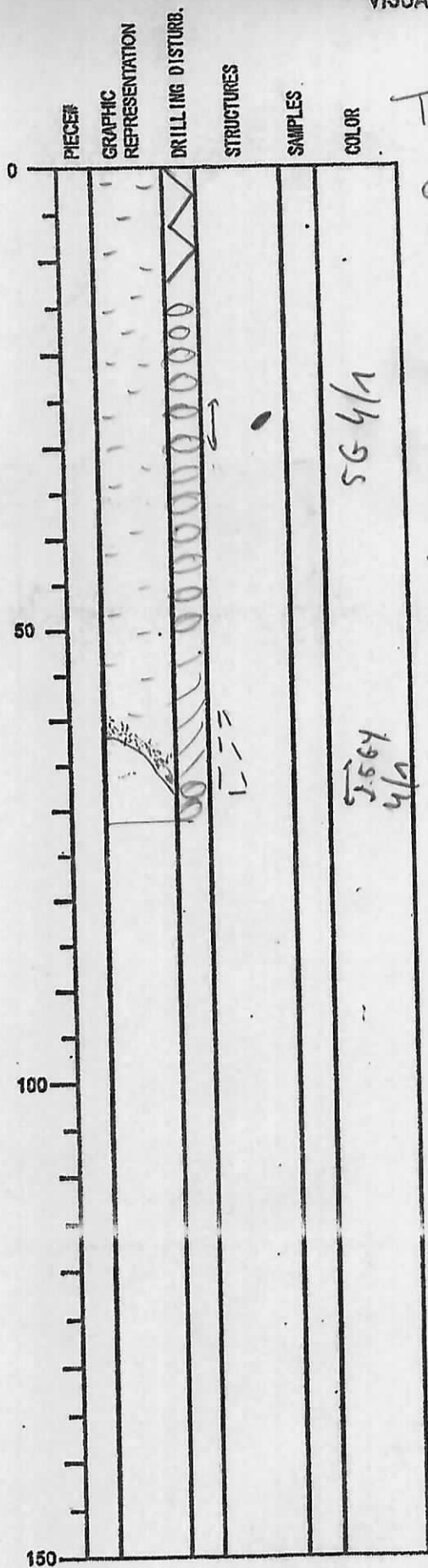
SECTION DESCRIPTION

0 - 100.5 cm = silty clay
strongly disturbed by drilling
(biscuits or succa)
some evidence of boturbation
= glaucoweed succa at
-13-23
-48-52
-62-65
-72-83

several sandy silt patches between
38-42 cm
black fragments/spots scattered
42-72
→ organic matter?
97-100.5 cm = fine sand mud
(originally a layer?)

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 03/04/2013
EXP: 338
SITE/HOLE: 0002B
CORE: 75X
SECTION: 7
OBSERVER:



Tot = 70,5 cm

SECTION DESCRIPTION

0-70,5 cm = silty clay
strong doling disturbance
possibly a small firing upwards
sequence.

51-66 cm

↳ more sand

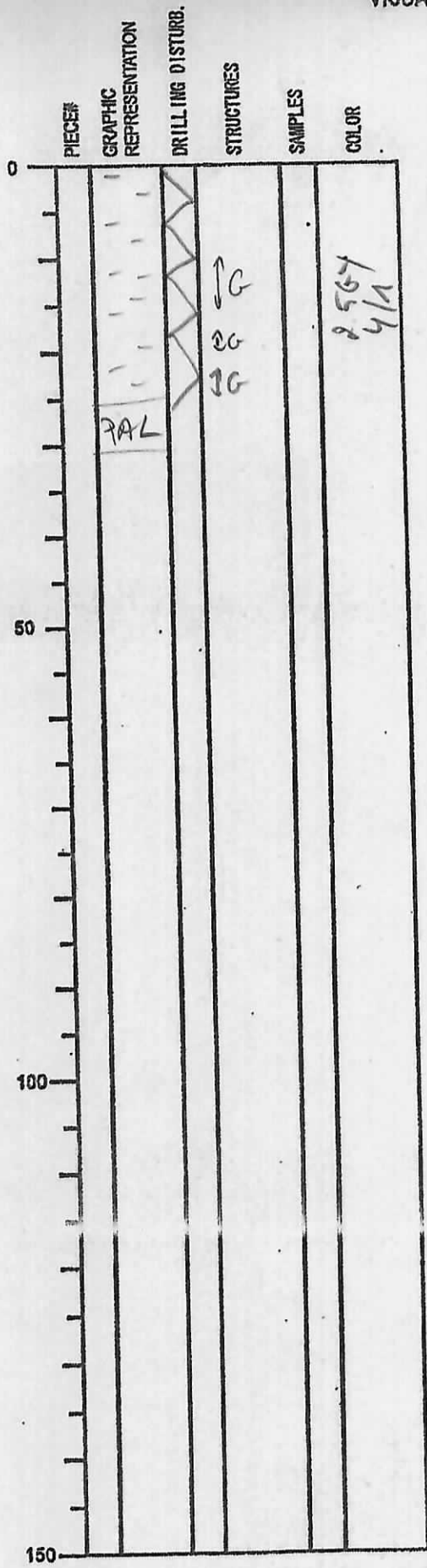
↳ 67-69 cm = strongly
dippery fine, shell sand
layer
(= original excretion?)

!! silty clay below sand
in lighter fraction
(2.5G 4/1) then silty
clay above (5G 4/1)

25-30 cm = black patches
= organic matter?

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 03 10 120 13
EXP: 338
SITE/HOLE: COALB
CORE: 15X
SECTION: CC
OBSERVER:



Tab. 30ch

SECTION DESCRIPTION

0-25 cm = silty clay
strong delthy disturbance
glauconite patches at
-10-16
-18-23
-24-25

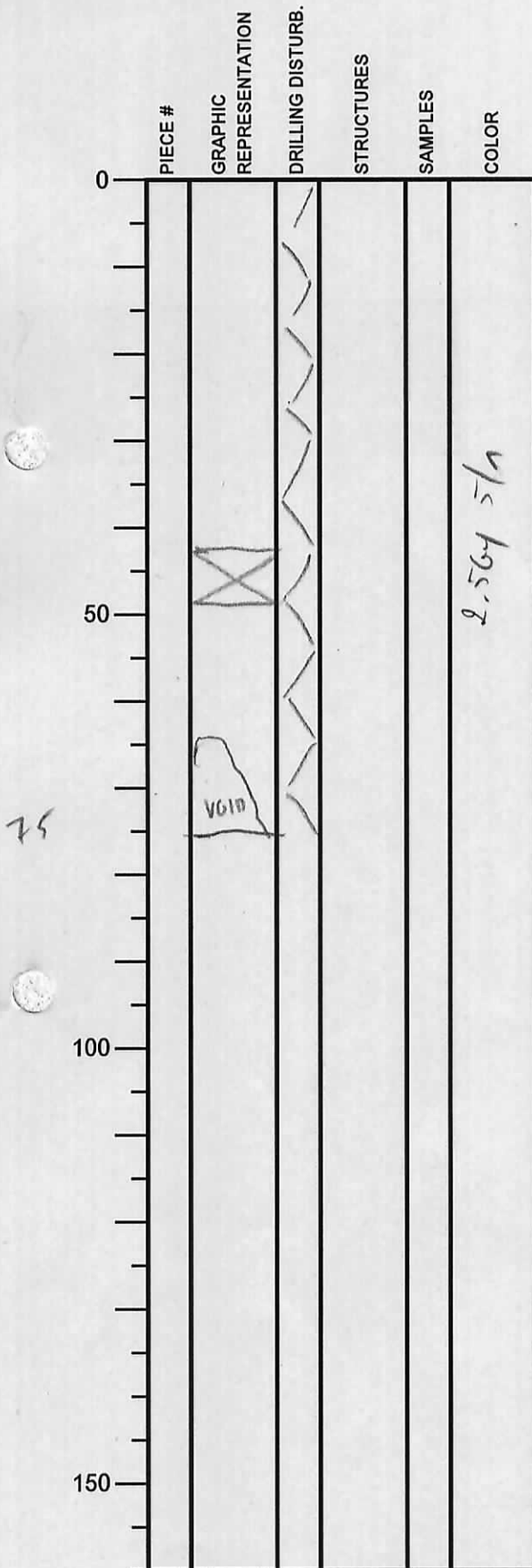
25-30cm = PAL sample

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/3/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 164
 SECTION: 3
 TOP DEPTH (m CSF):

SECTION DESCRIPTION

OBSERVER:



Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/3/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 16x
 SECTION: 5
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0	[Hand-drawn dashed lines]	[Hand-drawn circles]			
50				SS 25	
100				L564 5h	
150					

SECTION DESCRIPTION

OBSERVER:

*fine ash - base uncertain - mixed
 olive gray silty clay,
 soupy in sandy parts, otherwise
 heavily disturbed & bisquit*

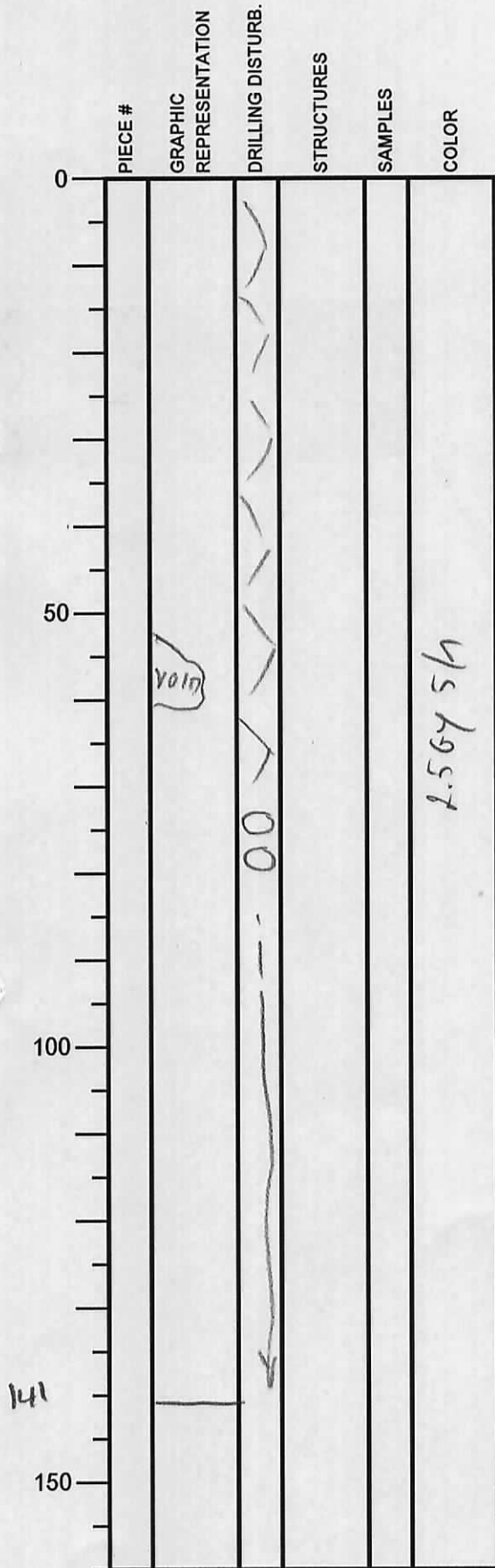
Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/3/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 16x
 SECTION: 6
 TOP DEPTH (m CSF):

OBSERVER:

SECTION DESCRIPTION

olive gray silty clay
 broken & heavily disturbed in upper
 part; heavily bissected below



Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/3/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 16x
 SECTION: 7
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50		X				
100	100.5		/ \			L-567 5/4
150						

SECTION DESCRIPTION

OBSERVER:

olive gray silty clay

*CT scan suggests pervasive
 blending of drilling slurry + only
 minor biogrits*

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/3/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 16x
 SECTION: 8
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						2.567 5/1
86.5						
100						
150						

SECTION DESCRIPTION

OBSERVER:

olive gray silty clay

 CT image suggests pervasive
 blending of drilling slurry

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/3/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 16x
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		VOID	/ / / / /			
45.5		PAL	/ / / / /			2.5 Gy sh
50						
100						
150						

SECTION DESCRIPTION

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 03/01/2013
EXP.: 338
SITE/HOLE: C00118
CORE: 17X
SECTION: 4
TOP DEPTH (m CSF):

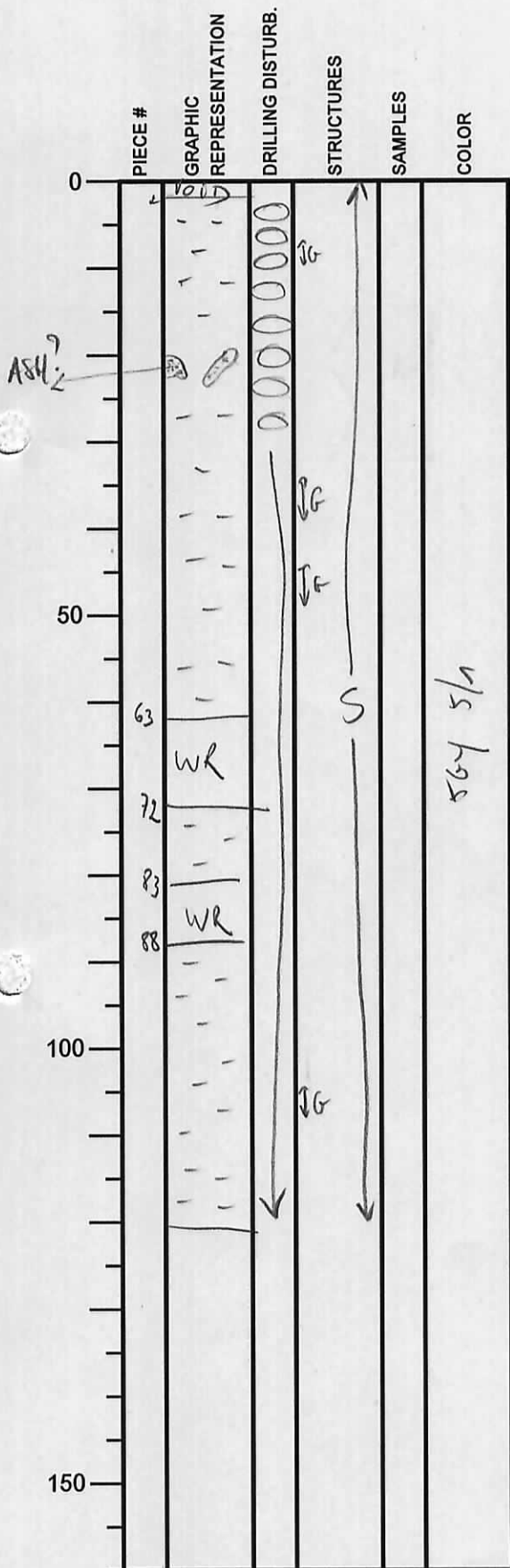
Tot 110cm
SECTION DESCRIPTION

OBSERVER:

0-63
72-83
88-110

salty clay
strong dolty disturbance
some signs of saturation
(= glauconitic burrows)
or sand filled burrows
maybe ash? ↓
18-22cm

* 8-10cm
* 36-40cm
+ 46-50cm
* 105-110cm



Integrated Ocean Drilling Program Visual Core Description

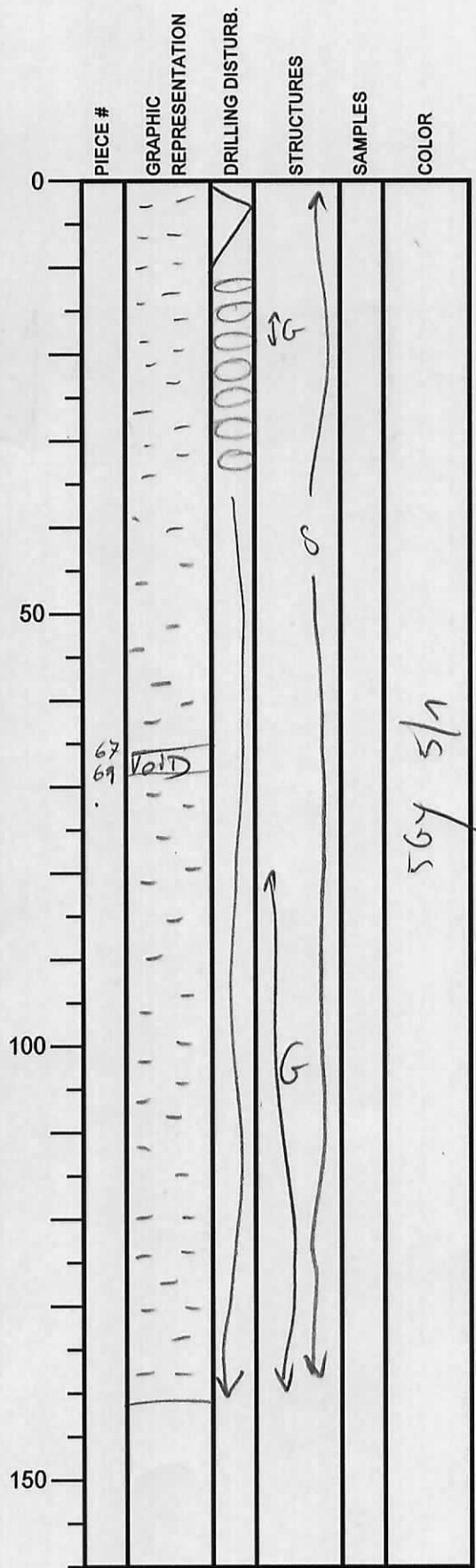
NO.
 DATE: 03/09/2013
 EXP.: 338
 SITE/HOLE: COAL2B
 CORE: 17X
 SECTION: 3
 TOP DEPTH (m CSF):

tot. 141 cm

SECTION DESCRIPTION

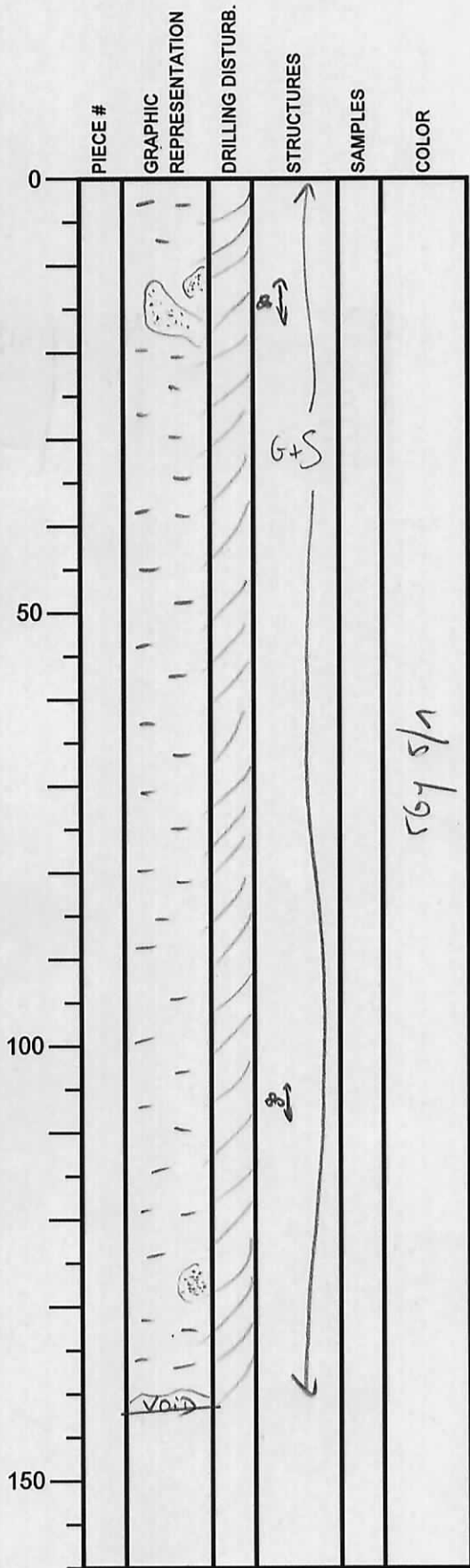
OBSERVER:

0 - 141 cm = silty clay
 many silty disturbance
 signs of bioturbation
 = glauconized burrows
 * 16-18cm
 + 80-111cm



Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 03/04/2013
EXP.: 338
SITE/HOLE: COO22B
CORE: 17X
SECTION: 4
TOP DEPTH (m CSF):



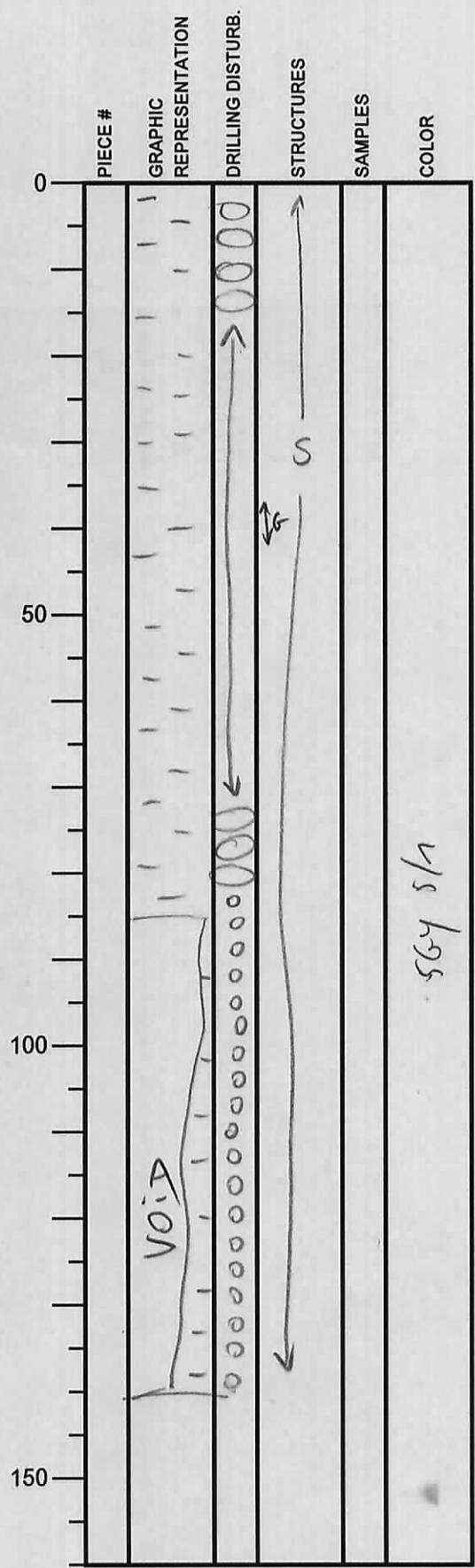
Tot. 142
SECTION DESCRIPTION

0-142cm = silty clay
strong dully disturbance
(sphyndry)
signs of bioturbation
= glauconized burrows
+ sand filled burrows
= 10-18cm
127-130cm
forams at 15-18cm
106-110cm

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 03/01/2013
EXP.: 338
SITE/HOLE: COO22B
CORE: 17X
SECTION: 5
TOP DEPTH (m CSF):



Tot. 140cm

SECTION DESCRIPTION

OBSERVER:

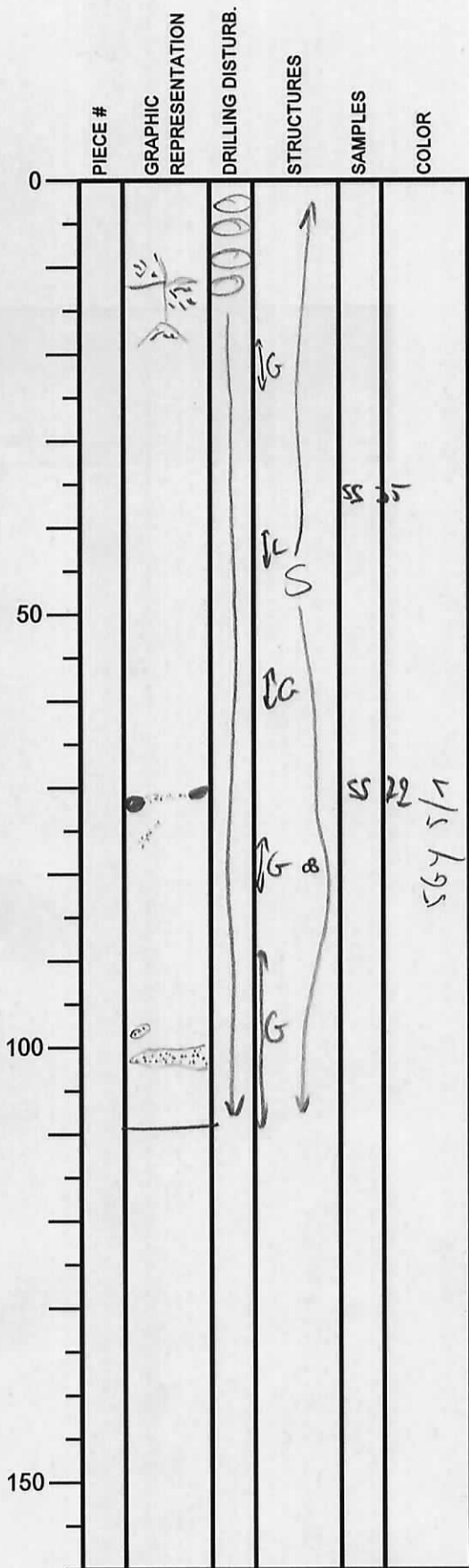
0-140cm = silty clay
 biscuit dolby disturbance
 sign of kinked
 = breccia
 some very melt glaucowh
 patches
 -38-63cm

564 s/n

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 03/01/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 17X
 SECTION: 6
 TOP DEPTH (m CSF):



Tot. 109cm
 SECTION DESCRIPTION

OBSERVER:

0-109 cm = silty clay
 signs of bioturbation
 still seen drilling disturbance
 mostly viscous with some speckly

10-20 cm = chondrites
 = 3 patches
 may seem to be broken
 = faultly or due
 to drilling?
 glauconite areas

20-25 cm
 40-45 cm
 50-60 cm
 75-109 cm

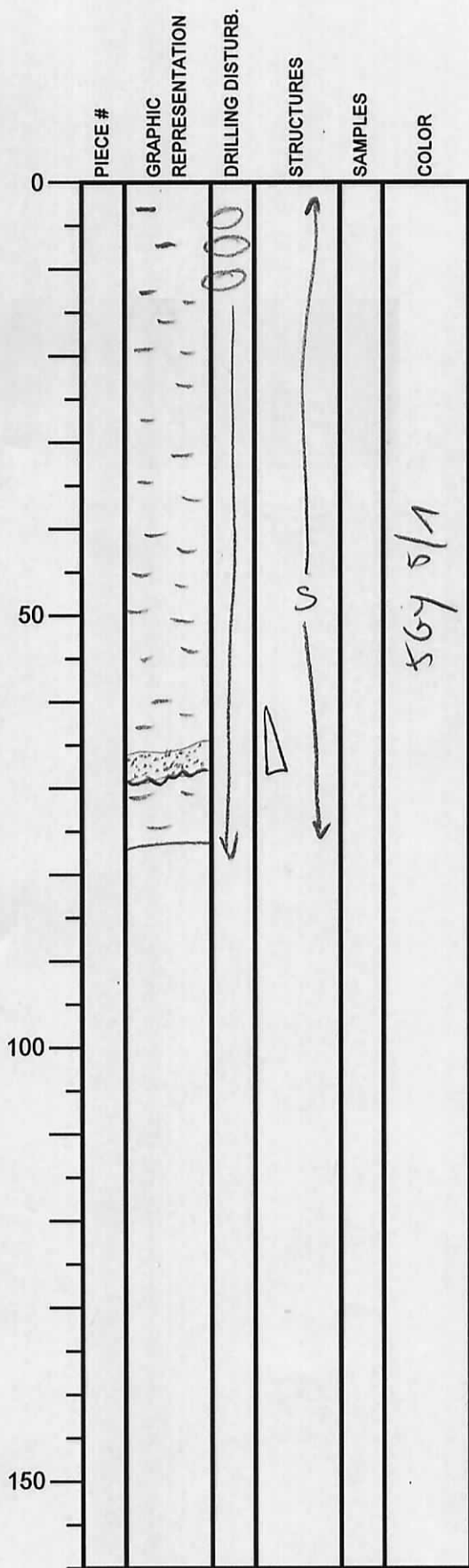
77.5-79 cm = level of block for
 sand with small
 pebbles

101-102 : GRAY
WHITE
 sand band (or sand filled
 siltstone?)
 top 0,5 cm = grey sand
 bottom 0,5 cm = white sand

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 03 Jan 2013
EXP.: 338
SITE/HOLE: COO2B
CORE: 17X
SECTION: 8
TOP DEPTH (m CSF):

Tot. 75,5 cm
SECTION DESCRIPTION



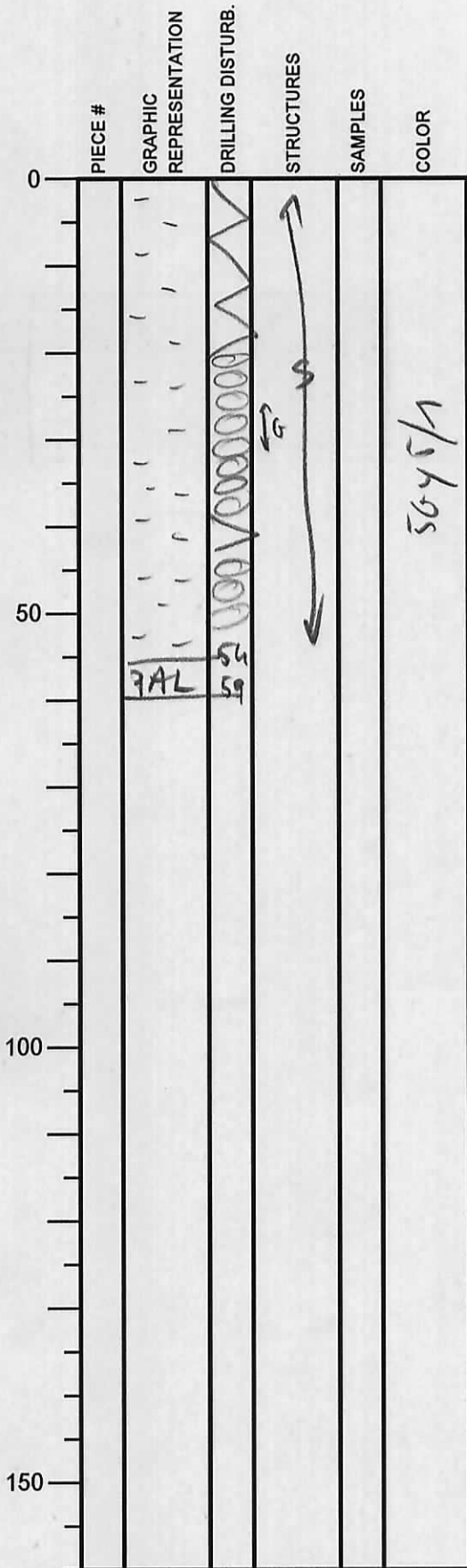
OBSERVER:

0-75,5 cm = silty clay
signs of botulic botton
may dolly disturbance

65-69 cm = slightly inclined
dark, fine sand layer
= bottom part of plug upwards
require
base = very irregular
= erosion?
or dolly induced?

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 03 NOV 20 13
 EXP.: 338
 SITE/HOLE: COAL2B
 CORE: 12X
 SECTION: CC
 TOP DEPTH (m CSF):



Tot. 59cm

SECTION DESCRIPTION

OBSERVER:

0-54cm = silty clay
 strong lenticular disturbance
 signs of lamination

27-32cm = glauconized fragments

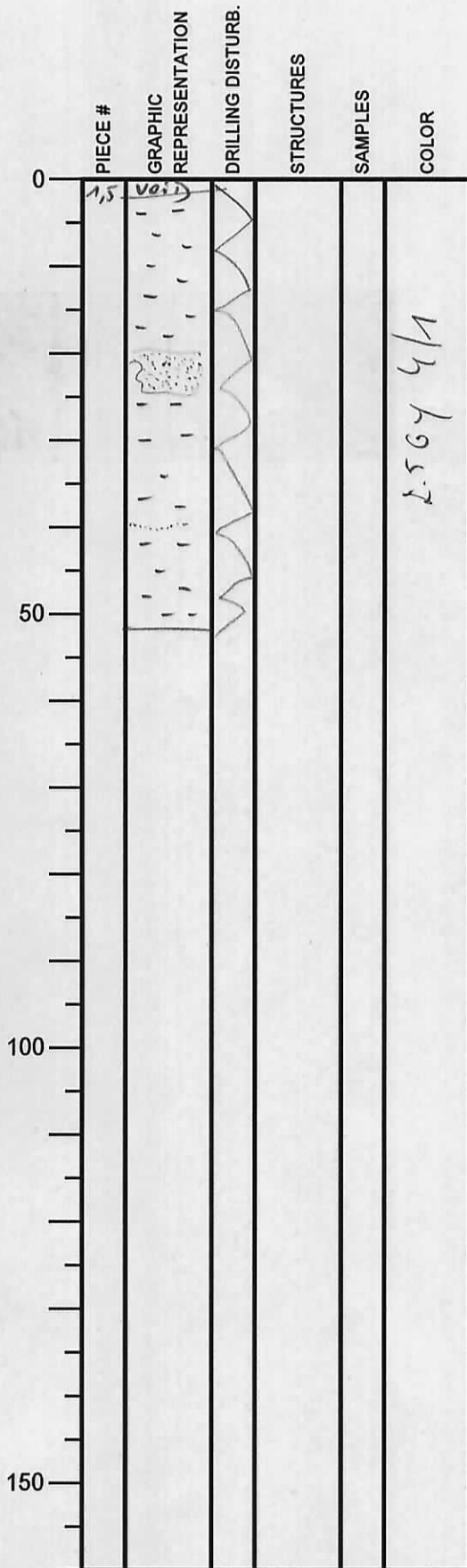
54-59 = PAL SAMPLE

5045/1

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 03/20/13
 EXP.: 338
 SITE/HOLE: Codd B
 CORE: 18X
 SECTION: 1
 TOP DEPTH (m CSF):



tot. 50,5 cm

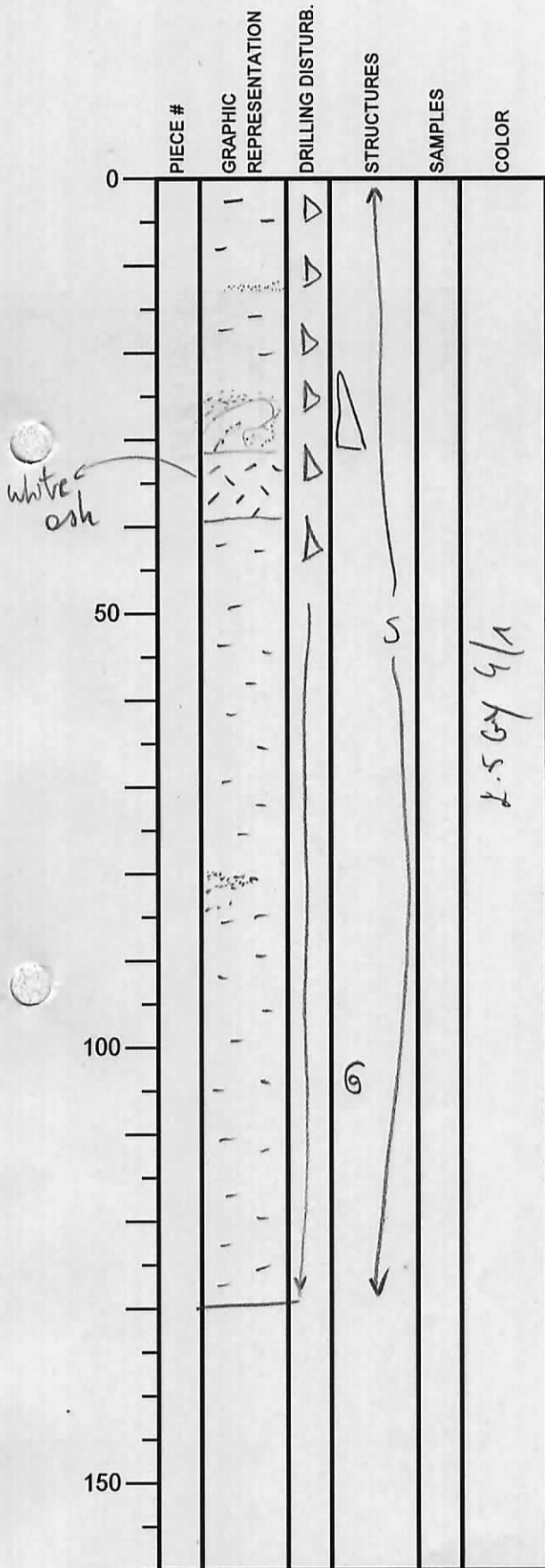
SECTION DESCRIPTION

OBSERVER:

0-1,5cm = void
 1,5- 50,5cm = silty clay
 strongly affected by dolly
 = succiated
 21-25cm = fine black sand

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 03/01/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 18X
SECTION: 2
TOP DEPTH (m CSF):



Tot. 129 cm

SECTION DESCRIPTION

OBSERVER:

0-129 cm = silty clay
 dolby distributed in less
 than previous cores
 signs of saturation

27-33 cm = fine black sand layer
 = bottom part of
 going upwards regular
 = red layer is very
 distributed (-colloidal)

33-39 cm = white / grey ash layer
 discontinuous sand layers

23 cm
 81-82 cm
 83 cm

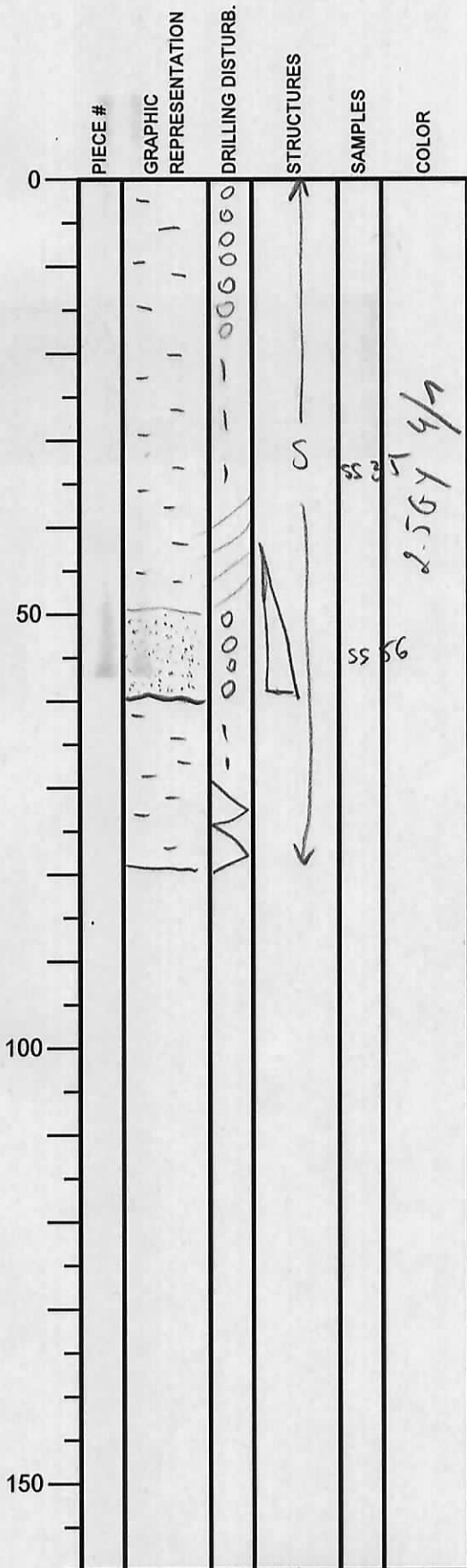
shell fragment at 106 cm

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 03/01/2013
 EXP.: 338
 SITE/HOLE: Co02B
 CORE: 18X
 SECTION: 3
 TOP DEPTH (m CSF):

Tot. 79cm
 SECTION DESCRIPTION

OBSERVER:



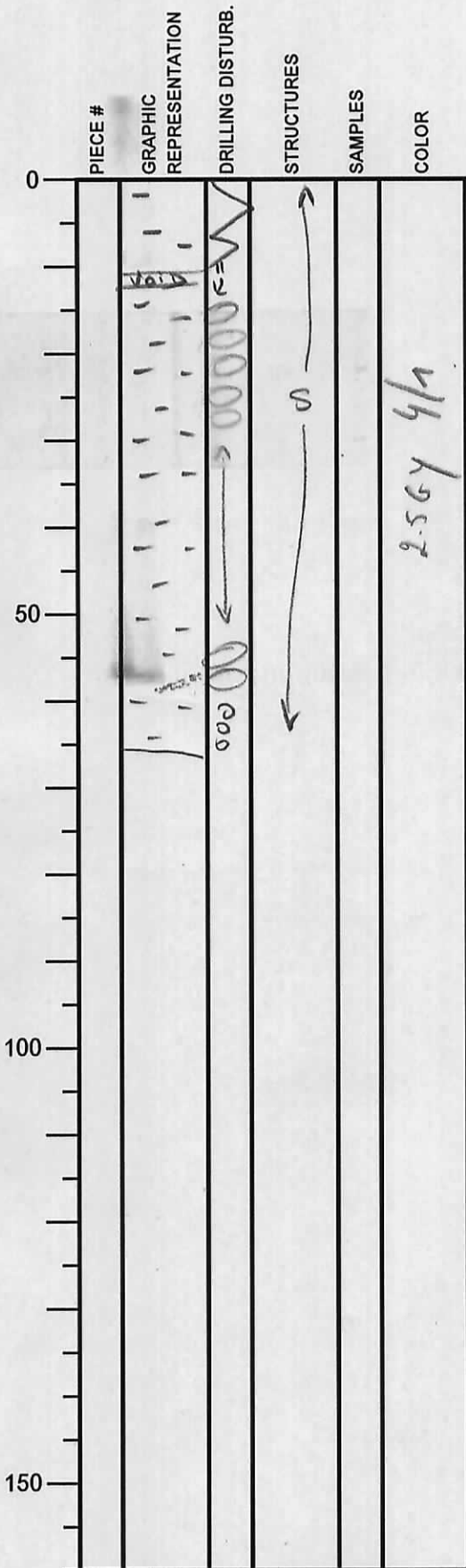
0-79cm = silty clay
 some signs of bioturbation
 51-60cm = red layer - bottom
 part of fine upwards sequence
 very sharp base

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 03/01/2013
 EXP.: 338
 SITE/HOLE: COALB
 CORE: 18X
 SECTION: 5
 TOP DEPTH (m CSF):

Top: 65,5 cm
 SECTION DESCRIPTION

OBSERVER:



0-65,5 cm = silty clay
 strongly disturbed by drilling
 some signs of bioturbation
 discontinuous, thin (3mm) red
 layer 57cm

2.567 4/1

Integrated Ocean Drilling Program Visual Core Description

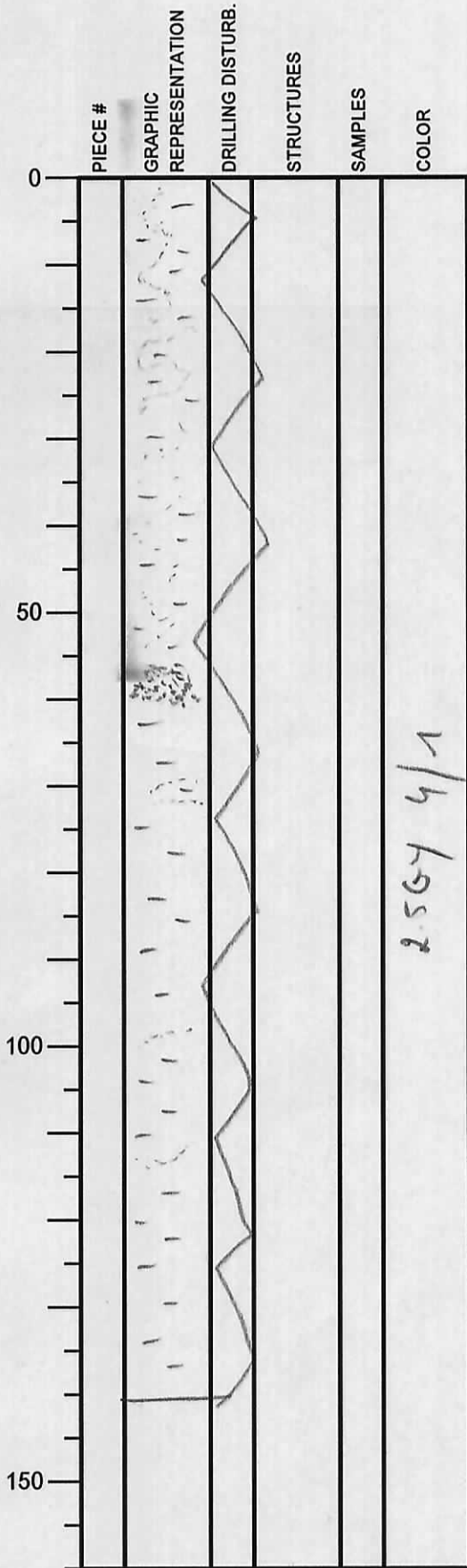
NO.
DATE: 03/01/2013
EXP.: 338
SITE/HOLE: COO2B
CORE: 18X
SECTION: 6
TOP DEPTH (m CSF):

Tot. 140 cm

SECTION DESCRIPTION

OBSERVER:

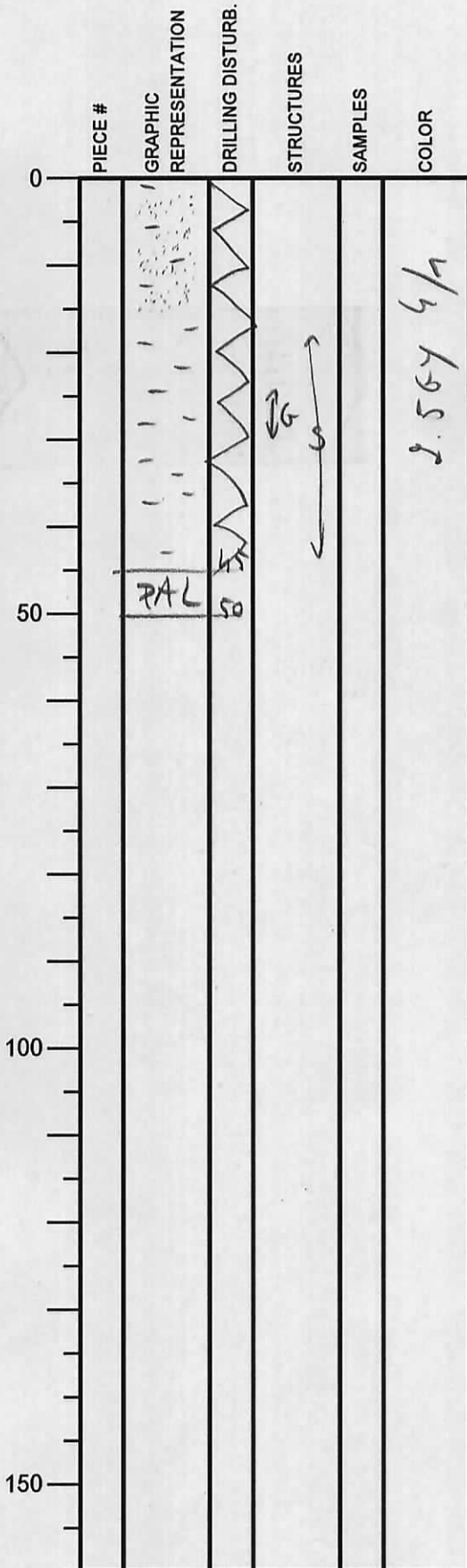
EXTREMELY DISTURBED SEDIMENT
By DRILLING !!
no sand swirls all over
the core
0-140 cm = silty clay
57-60 cm = sand patch
(fine black sand)
probably sand layer



Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 03/09/20 13
 EXP.: 338
 SITE/HOLE: COO22B
 CORE: 18X
 SECTION: CC
 TOP DEPTH (m CSF):



TOT. SOCK

SECTION DESCRIPTION

0-45cm = silty clay
 EXTREMELY DISTURBED BY
 DRILLING CAND SWIRLS
 IN ENTIRE SECTION
 (especially upper 15cm)
 20-45cm = some rims
 of botucosite
 glauconite fragments
 25-30cm
 45-50cm = PAL sample

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 4/11/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 19X
 SECTION: 1
 TOP DEPTH (m CSF):

Total = 90, 5

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50	[Hand-drawn patterns representing sediment layers]	[Hand-drawn lines representing drilling disturbance]	[Hand-drawn symbols representing structures]	SS 7.5Y 8/1	N/S/D
100				SS	S GY 4/1
150					

SECTION DESCRIPTION

OBSERVER: SR

- Dark olive gray silty clay. Slight lamination can be seen in the CT image throughout the whole core
- 11-13: sand patch
- 19-23: fining upward fine sand.
- 22-24 = ash layer
- 24: Isolated black pebbles
- 48-55: sand patches

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 4/1/20 13
 EXP.: 338
 SITE/HOLE: 0022B
 CORE: 19x
 SECTION: 3
 TOP DEPTH (m CSF):

Tot. 45 m

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			S		
50		←	←		5 6Y 4/1
100					
150					

SECTION DESCRIPTION

OBSERVER: SR

Dark drab gray silty clay
 Structureless

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 9/1/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 1A
SECTION: 4
TOP DEPTH (m CSF):

Total = 53 m

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		000	S		
50		A M D		SS	2, 5 GY 2/A
100					5 GY 4/A
150					

SECTION DESCRIPTION

OBSERVER:

- 0-24. Soupy. ^{light gray} Mix of fine ash, black sand and a minor fraction of silty clay.
- 24-53 = dark olive gray silty clay. Structures

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 4/1/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 19x
 SECTION: 5
 TOP DEPTH (m CSF):

Tot = 80 cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		UU	S		
50		W	S		5 GY 4/1
100					
150					

SECTION DESCRIPTION

OBSERVER: SR

- Dark olive gray silty clay. Structureless.

-31-35: scattered silt

Integrated Ocean Drilling Program
Visual Core Description

NO.

Integrated Ocean Drilling Program
Visual Core Description

NO.

DATE: 4/1/2013

EXP.: 330

SITE/HOLE: C09220

CORE: 19X

SECTION: 6

TOP DEPTH (m CSF):

OBSERVER: SR

Tot = 71

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50					
100					
150					

SECTION DESCRIPTION

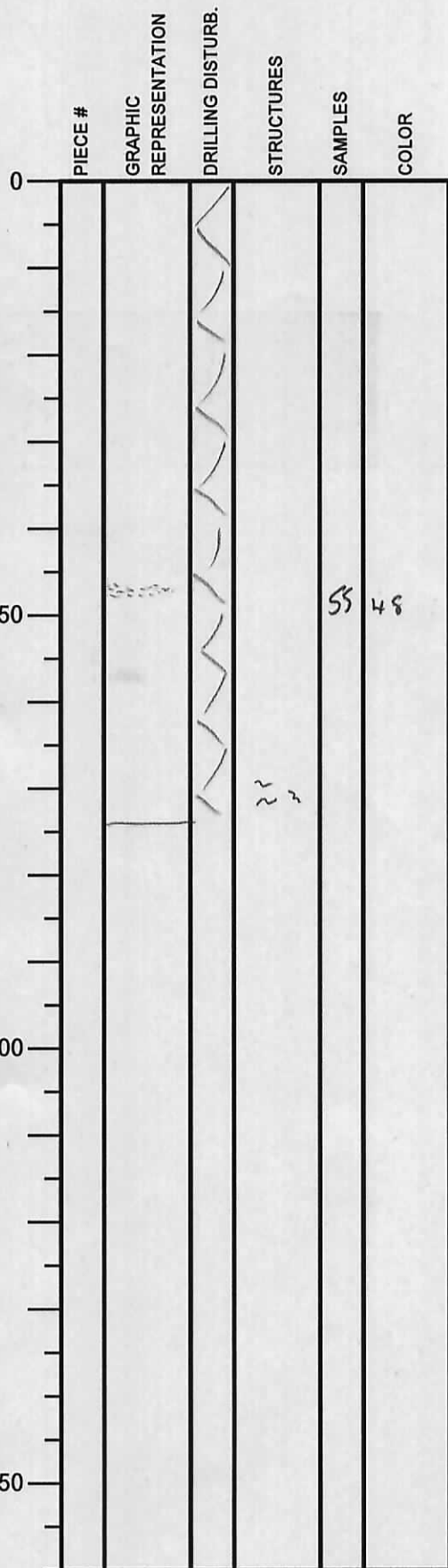
Dark olive gray silty clay. Structureless,

56Y 4/1

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/14/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 20X
 SECTION: 1
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

2.564 5/1

olive gray silty clay

heavily disturbed throughout

a few intact fragments @

40-42, 63-65, 68-72

Chondrites burrows seen,

py-filled burrows in CT

48: Sand lamina

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/14/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 20X
 SECTION: 2
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			OO			
50			O ^ O O W W O O			
100			O ~ O O W W O O			
105			O ~ O O W W O O			
150			O ~ O O W W O O			

SECTION DESCRIPTION

OBSERVER:

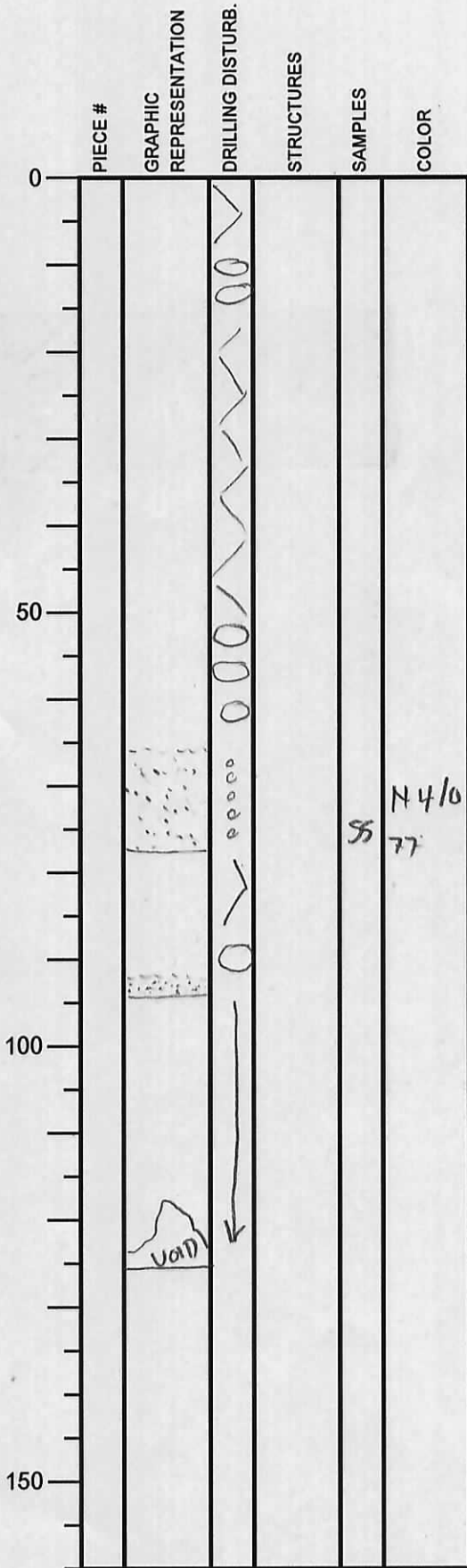
olive-gray silty clay

heavily disturbed throughout w/ bisquitting and infiltration of drilling slurry, bisquits fractured

chondrites visible w/in a few intact bisquits

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/14/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 20X
 SECTION: 3
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

olive grey silty clay

heavily disturbed throughout
 w/ fractured beds + infiltration
 of drilling slurry

fine sand

fine sand

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/14/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 20x
 SECTION: 5
 TOP DEPTH (m CSF):

SECTION DESCRIPTION

OBSERVER:

olive gray silty clay
 fractured bisquits + infiltration of
 drilling slurry

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			○			
50						
60						
100						
150						

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/4/2012
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 20X
 SECTION: 6
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			○			
50			↓			
100						
111.5						
150						

SECTION DESCRIPTION

OBSERVER:

olive gray silty clay
 heavily bissected throughout w/
 much infiltration of drilling mud

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/14/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 20X
 SECTION: 7
 TOP DEPTH (m CSF):

SECTION DESCRIPTION

OBSERVER:

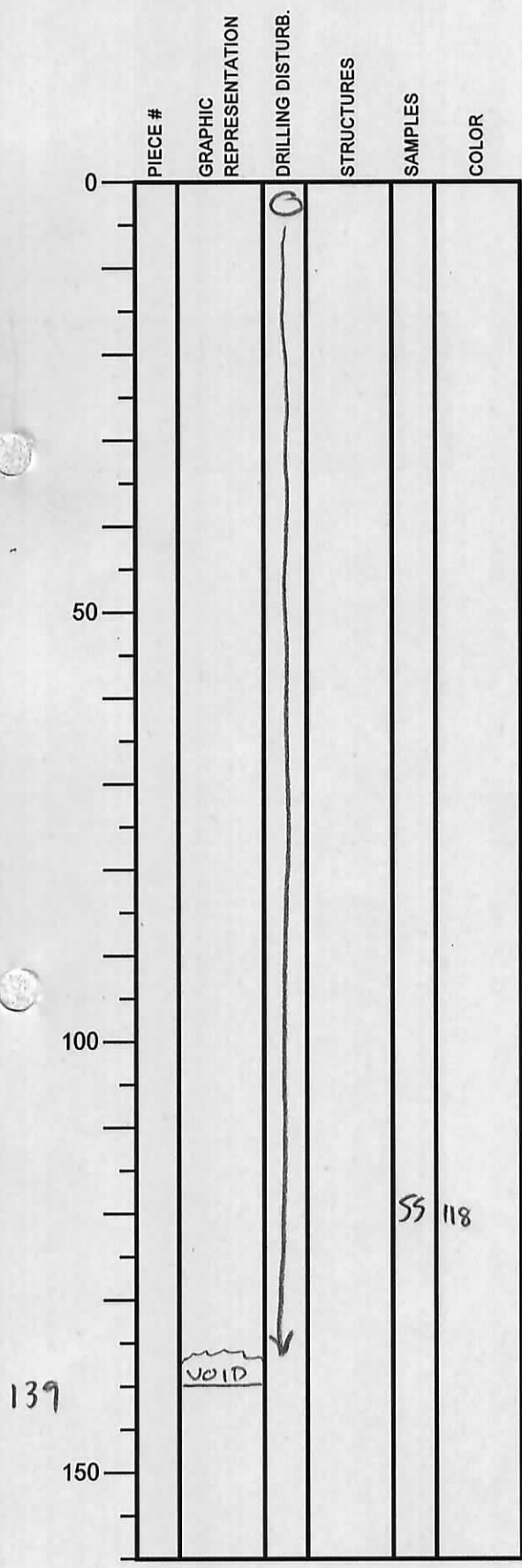
olive-gray silty clay

heavily bisquitized throughout w/
infiltration of drilling slurry.

larger bisquits @

- 21-26
- 34-38
- 45-48
- 73-75
- 95-98
- 107-110
- 116-120

greenish color banding
+ mottling,
Chondrites + other
discrete burrows



Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/4/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 804
 SECTION: 8
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		○			
50	COMG	○			
59					
100					
150					

SECTION DESCRIPTION

OBSERVER:

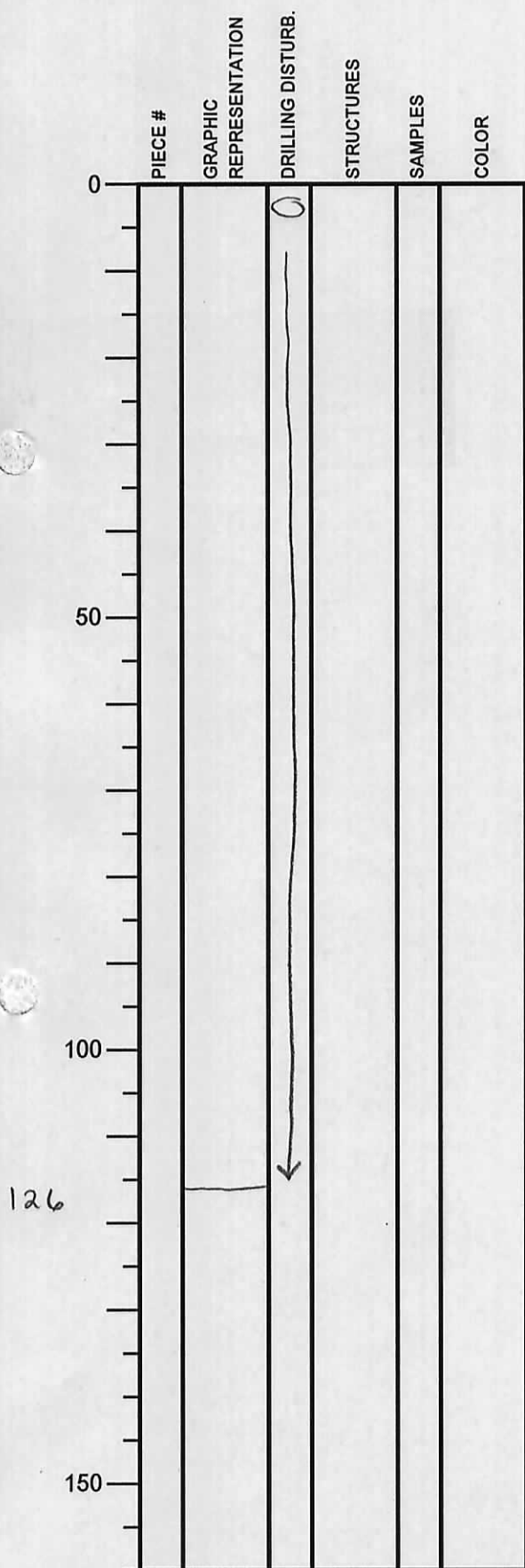
olive gray silty clay

bisquitized throughout w/ infiltration of drilling slurry

larger bisquits have green color-banding + mottling

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 11/20/13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 20x
 SECTION: 9
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

olive-gray silty clay

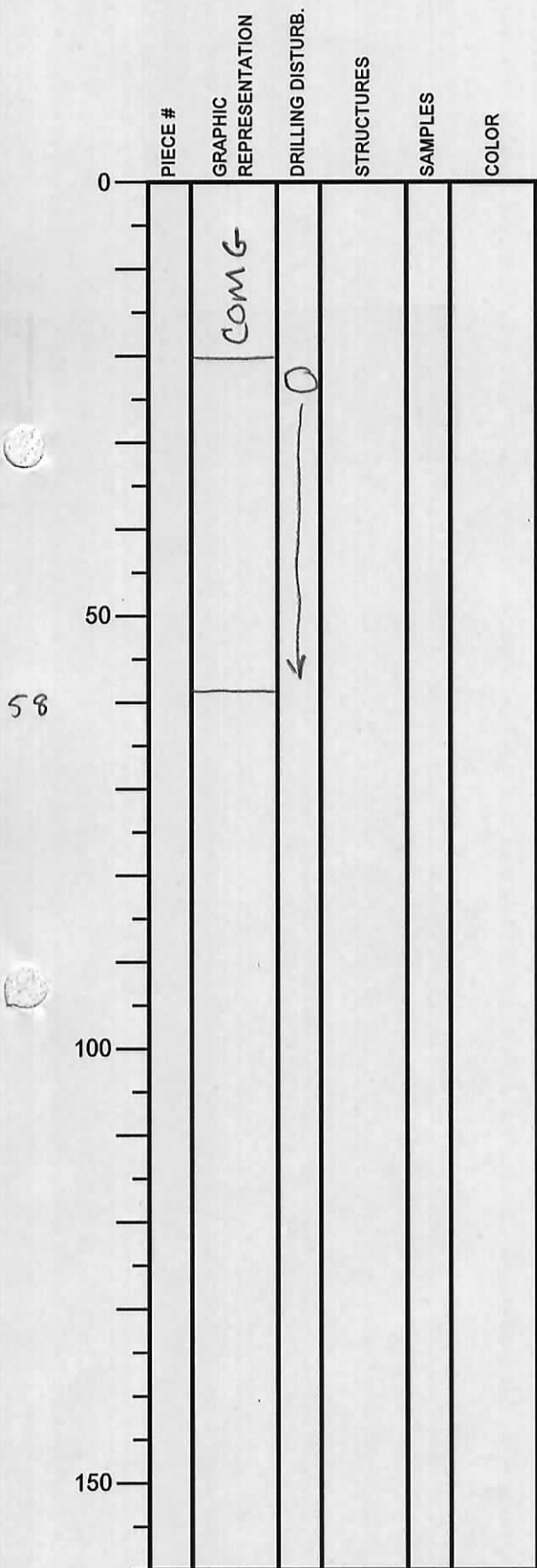
heavily bisected throughout w/
fracturing of fragments

larger pieces of intact rock @

37-41	}	green banding + mottling w/ Chondrites + poss. Zoophycos
50-54		
62-66		
68-74		
107-111		
117-121		

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/14/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 20X
 SECTION: 18
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

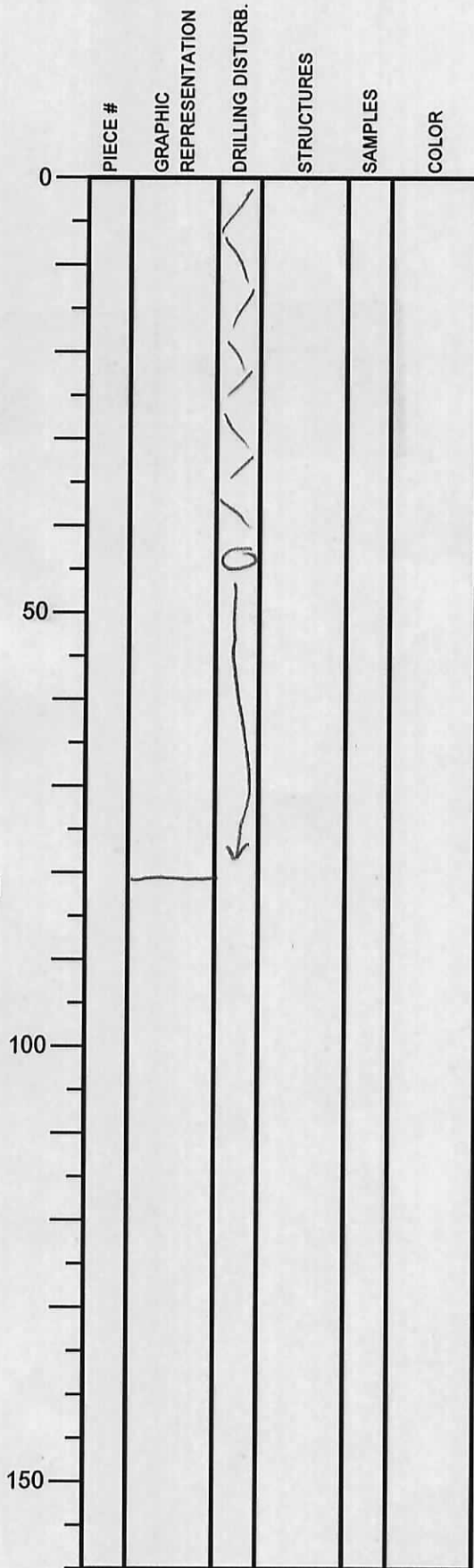
OBSERVER:

olive gray silty clay

heavily bisquitad throughout w/
fracturing

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/14/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 20X
 SECTION: CC
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

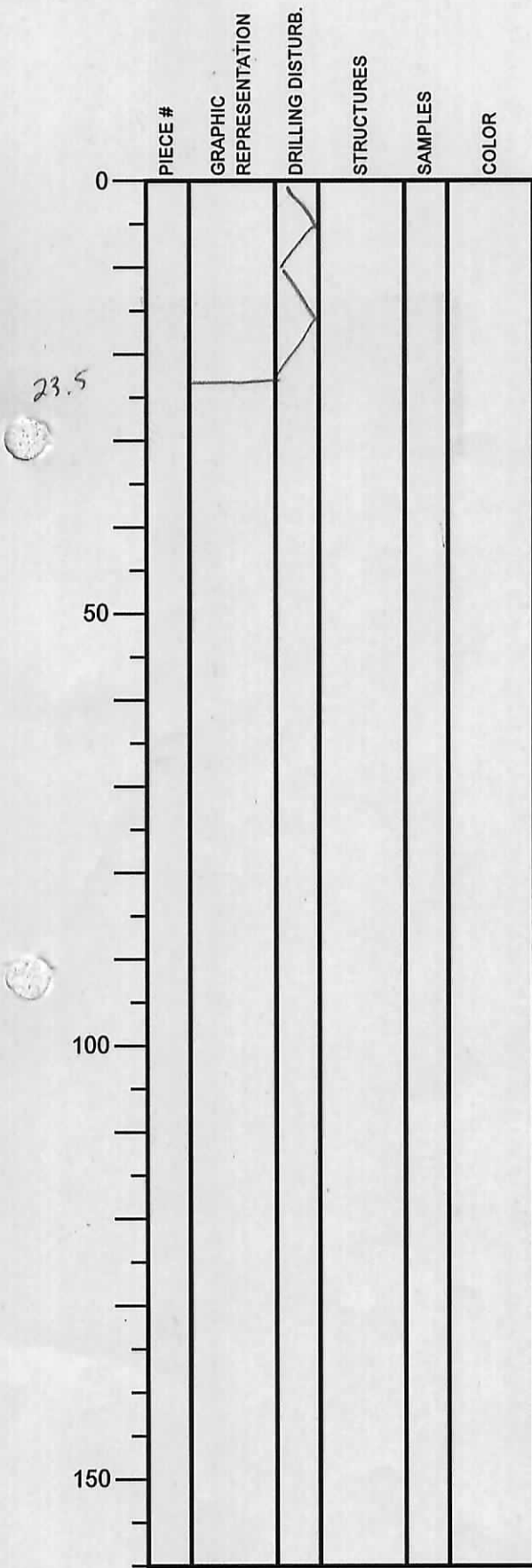
OBSERVER:

olive gray silty clay
 heavily disturbed w/ fractured
 brs suits

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/4/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 21X
 SECTION: 1
 TOP DEPTH (m CSF):

OBSERVER:

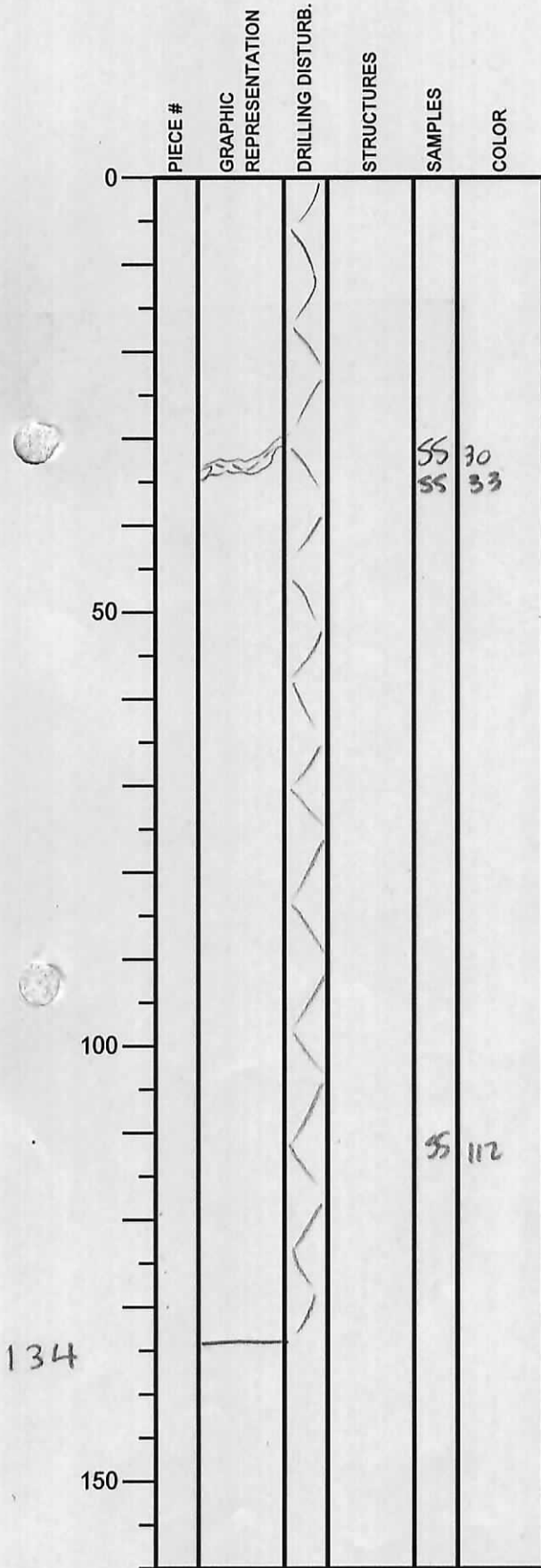


SECTION DESCRIPTION

olive gray silty clay 5G4 5/1
 heavily disturbed throughout

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/4/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 21X
 SECTION: 2
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

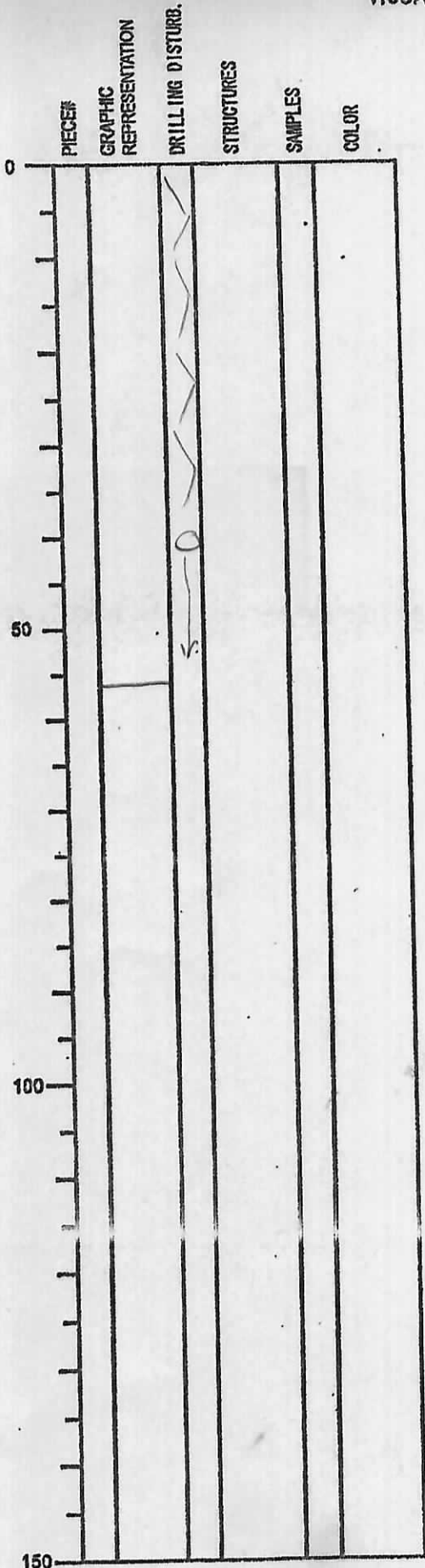
OBSERVER:

olive gray silty clay
 fine ash - overlain by "tuffaceous" mud
 heavily disturbed w/ biscuits +
 infiltration of drilling slurry;
 biscuits fractured + mixed

? possible drilling slurry?

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 1 14 120 13
EXP: 338
SITE/HOLE: C0022B
CORE: 21X
SECTION: 3
OBSERVER:



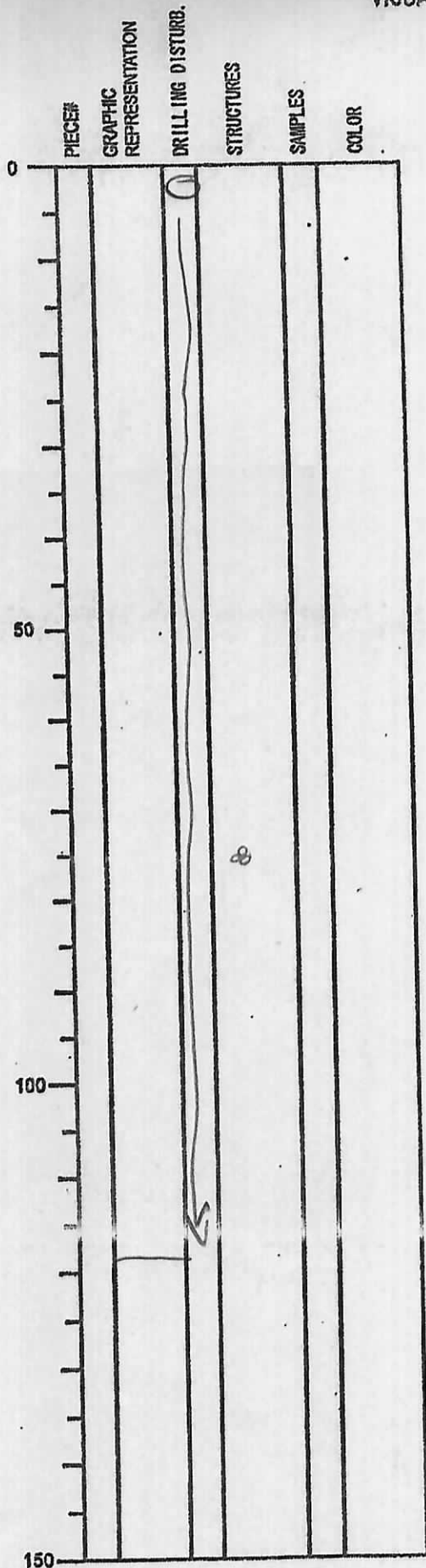
SECTION DESCRIPTION

olive gray, silty clay
layer biscuits near base
(45-56) have Charbites

56

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 1 / 4 / 20 13
EXP: 338
SITE/HOLE: C0022B
CORE: 21X
SECTION: 4
OBSERVER:



SECTION DESCRIPTION

dk olive gray silty clay

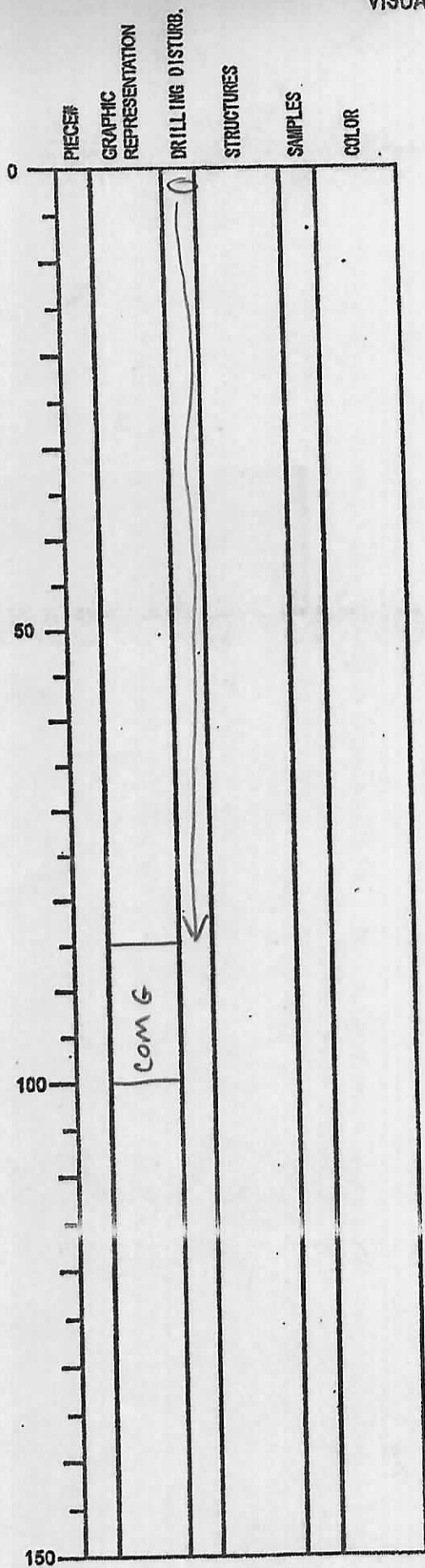
564 4/1

heavily bisquit

larger bisquits have Chondrites,
agglutinated forams, + discrete
burrows

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 11/4/2013
EXP: 338
SITE/HOLE: C0022B
CORE: 21x
SECTION: 5
OBSERVER:



SECTION DESCRIPTION

dk olive gray silty clay
heavily bisquitized, fractured

Scattered Chondrites

99

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/4/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 214
 SECTION: 7
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			○			
50					SS GS	
100				⊗		
137.5			↓			
150						

SECTION DESCRIPTION

OBSERVER:

dk olive gray silty clay
 heavily biogubed, fractured
 scattered agglutinates, Chondrites,
 pyritized burrows

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/4/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 214
 SECTION: 8
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50			G	&		
100		LUMEN				
126			↓			
150						

SECTION DESCRIPTION

OBSERVER:

dk olive gray silty clay

heavily disturbed, bisquit + fractured

Scattered chondrites, pyritized burrows, + agglutinated tubes

v.f. sd lamine

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/4/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 21x
 SECTION: 9
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			0			
50						
100						
150						

SECTION DESCRIPTION

OBSERVER:

dk olive gray silty clay

heavily bisquitified w/ infiltration of drilling slurry

in larger bisquits → Chondrites

67

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/4/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 21X
 SECTION: 10
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			/			
50		[dotted pattern]	O		SS 35	
100						
121			←			
150						

SECTION DESCRIPTION

OBSERVER:

dk olive gray silty clay

sd heavily bisquitized w/ infiltration of drilling slurry

larger bisquits have chondrites to other discrete burrows

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/4/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 21X
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			○			
28		PAL	↓			
50						
100						
150						

SECTION DESCRIPTION

OBSERVER:

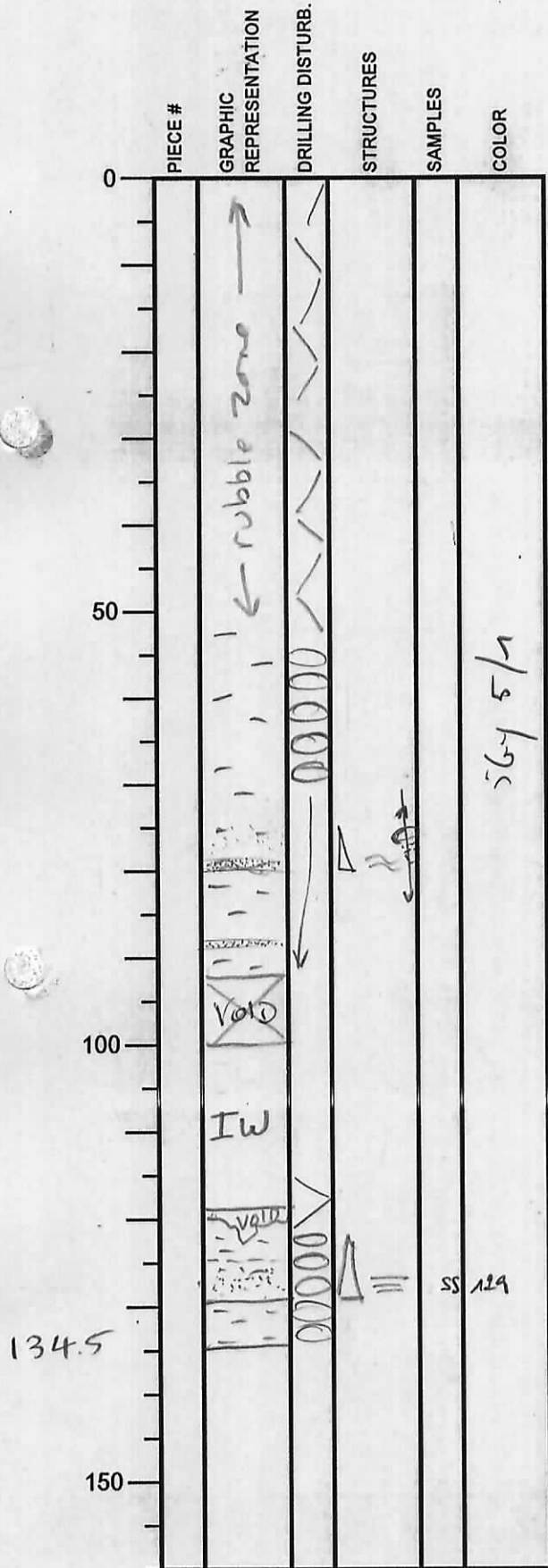
dk olive gray silty clay
sd lamina

disrupted w/ infiltration of drilling slurry

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/4/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 22X
 SECTION: 1
 TOP DEPTH (m CSF):



Tot. 134,5 cm
 SECTION DESCRIPTION

0-50 cm = silty clay
 → completely succiated
 by shell

50-134,5 cm = silty clay
 rather homogeneous
 some greenish mottling
 75-85 cm

→ fine upwards sequence
 from very fine sand
 sand to silty clay

→ sand bases at
 * 69-70 cm
 → wavy bedded

* 125-129 cm
 → wavy bedded
 = sharp, rounded top
 123-125 cm = horizontal bedded
 = sandy silt

Small sand layer: 88-88,5 cm

v. finesd.

VOID 94,5-99 cm

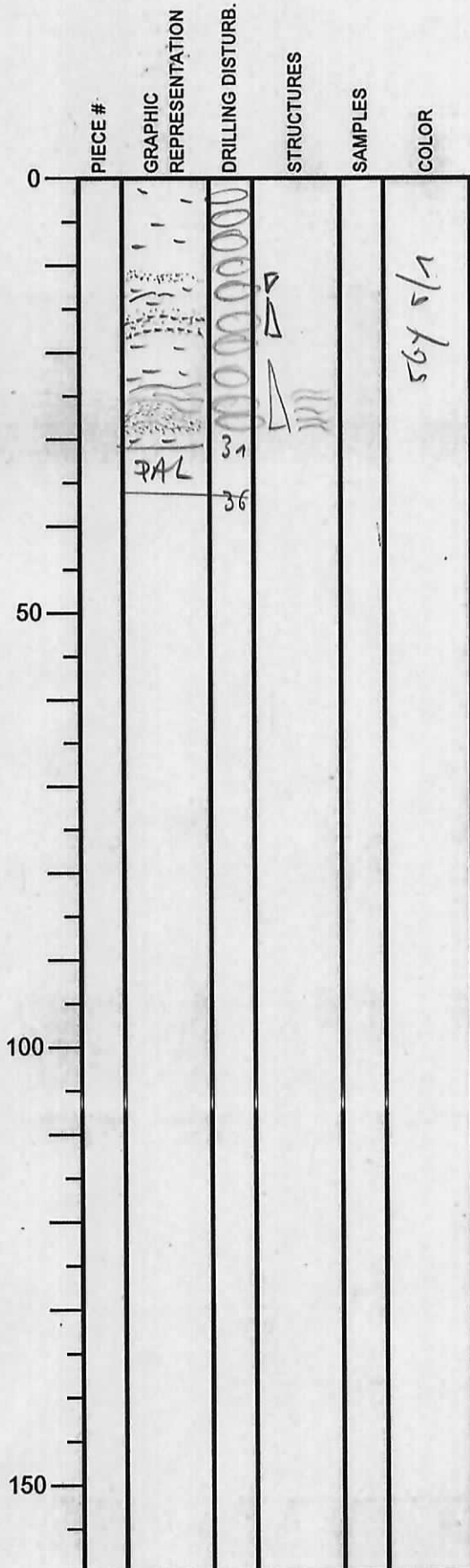
IW = 98-118 cm

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 01/04/20 13
EXP.: 338
SITE/HOLE: C0011B
CORE: 22X
SECTION: CC
TOP DEPTH (m CSF):

Tot. 36 cm



SECTION DESCRIPTION

OBSERVER:

0-31 cm = silty clay
homogeneous + structures,

13-17 cm → 13-16 cm = coarsening
upwards sequence
from silty clay to
silty sand

16-17 = fine upwards
sequence
from very fine sand
(two very distinct bed
laminae at 17 + 16 cm
(± 1-2 mm thick))

± 23-30 cm = fine upwards sequence
from very fine sand
to silty clay

↓

27.5-29 cm = very fine sand
wavy bedded

25-27.5 cm = sandy silt
= wavy bedded

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: *01/20/13*
 EXP.: *338*
 SITE/HOLE: *COO12B*
 CORE: *L3X*
 SECTION: *1*
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		V0.0				
50		[Hand-drawn vertical lines representing core texture]	[Hand-drawn wavy lines representing drilling disturbance]			[Handwritten color notes]
100						
150						

Tot. 35cm
 SECTION DESCRIPTION

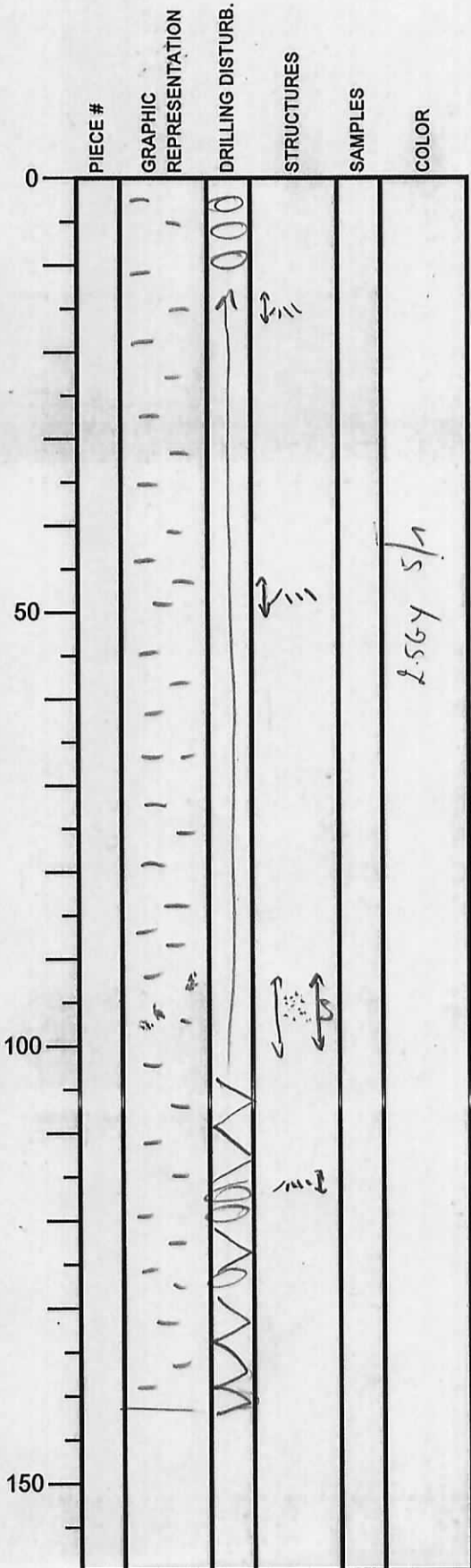
*0-35cm = silty clay
 homogeneous
 (lots of dolby disturbance)
 some greenish mottling 20-23cm
 sand patch at 31-33cm*

OBSERVER:

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 04/04/2013
 EXP: 338
 SITE/HOLE: COO12B
 CORE: 23X
 SECTION: 2
 TOP DEPTH (m CSF):



Total = 141 cm

SECTION DESCRIPTION

0 - 141 cm = silty clay
 (strong dollic disturbance)

OBSERVER:

chondrites: 15-17 cm
 48-52 cm
 115-118 cm

sand patches + sand scattering
 92-102 cm
 also areas of burrows
 in this zone

2.56y sh

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 04/10/11 20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 23X
 SECTION: 3
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						2.56Y 5/m
100						
150						

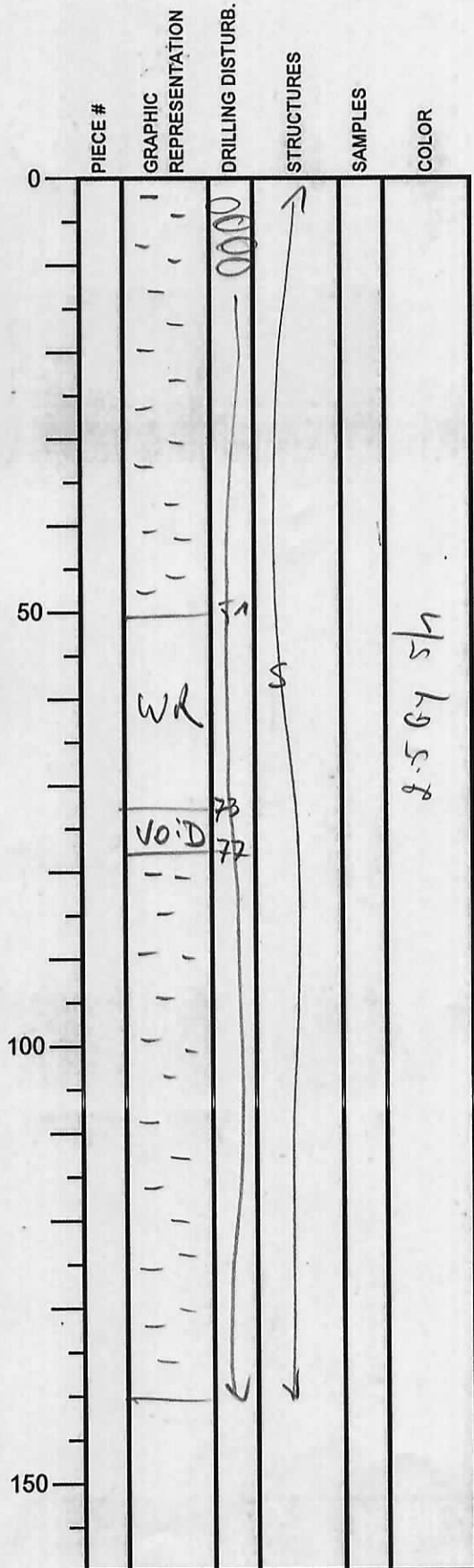
Total 48 cm
SECTION DESCRIPTION

0-48 cm : silty clay
 (strong drilling disturbance)
 signs of burrows 15-25 cm
 pieces of organic matter
 39 cm
 43 cm

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 01/10/2013
 EXP.: 338
 SITE/HOLE: C0012B
 CORE: 23X
 SECTION: 5
 TOP DEPTH (m CSF):



tot. 140cm
SECTION DESCRIPTION

OBSERVER:

many small bscwts
 with a lot of fractured
~~the~~ bts in between
 no dolby disturbance

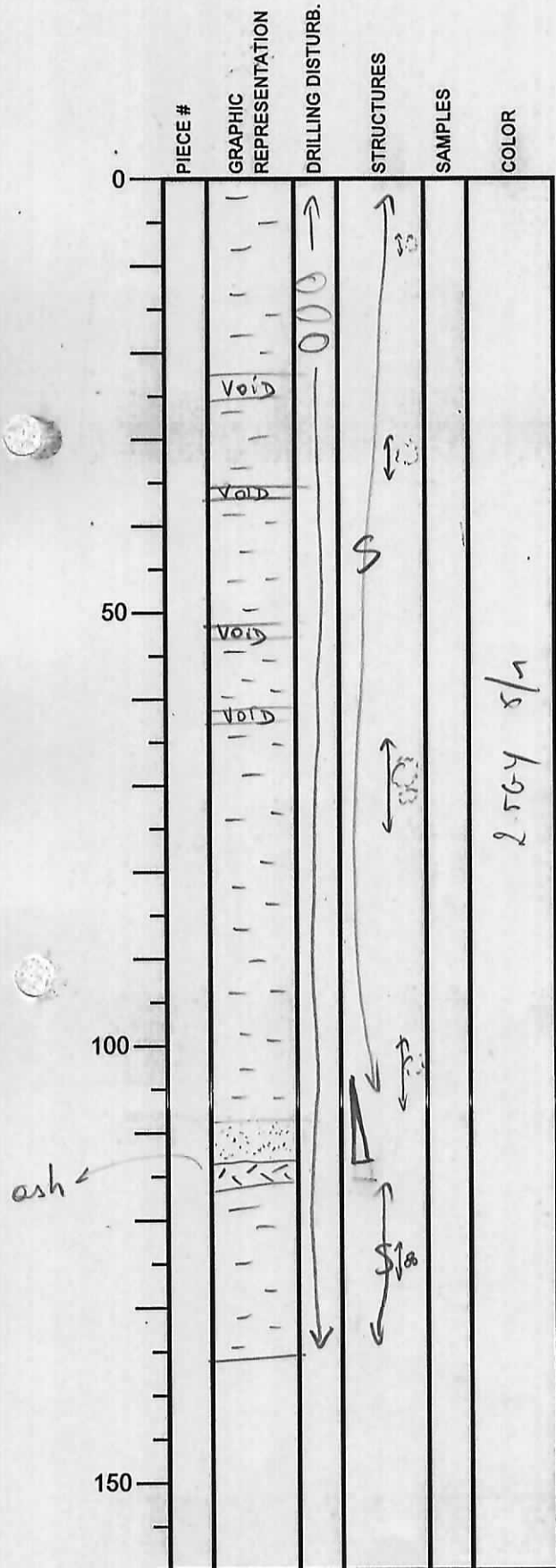
0-140cm = silty clay
 on bscwts clear signs
 of burrowing
 burrows are often filled
 with fine sand or silt
 and sometimes have a green
 colour

WR = 51 - 73 cm

VOID = 73 - 77 cm

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 04/01/2013
EXP.: 338
SITE/HOLE: Co22B
CORE: 23X
SECTION: 6
TOP DEPTH (m CSF):



bt. 135,5 cm

SECTION DESCRIPTION

strong drilling disturbance
lots of screws with fractured
drill bit slurry in between

0-135,5 cm = silty clay
on screws due to high
rotation
= large sand/silt filled
screws

122-126 cm = jarous
greenish mottling: 8-10cm
40-45cm
65-75cm
100-110cm

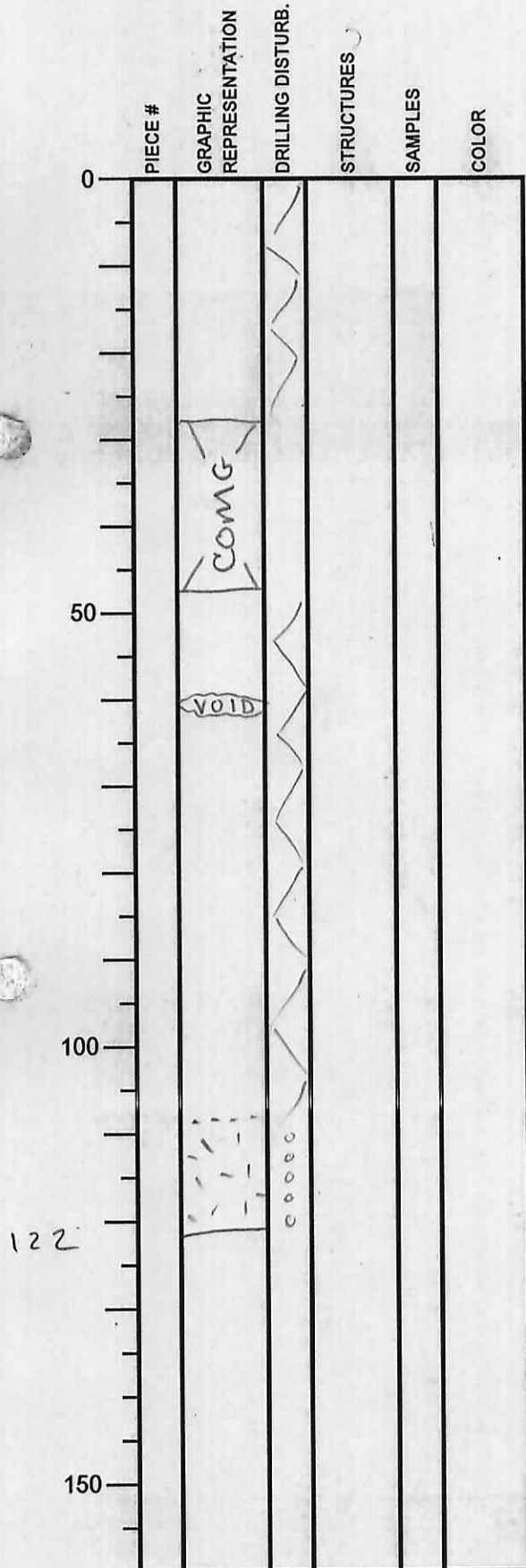
114-116 = medium sand
= really white
+ dark green = ASH?

111-114 cm = very fine gray/silt
↓ sand
= bottom part of
flung upwards sequence

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/4/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 23x
 SECTION: 7
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

olive gray silty clay

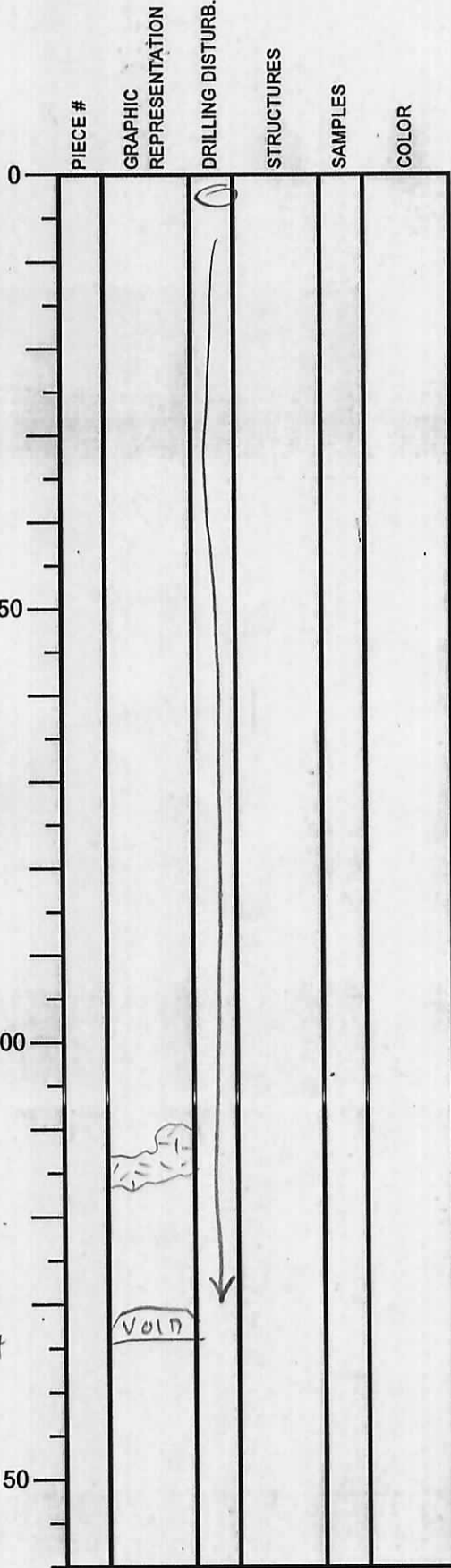
highly disturbed w/ biquits, brecciation, infiltrated drilling slurry

larger biquits have discrete burrows, Zephyros, Chondrites, + greenish mottling

fine ash

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 11/20/13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 23X
 SECTION: 8
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

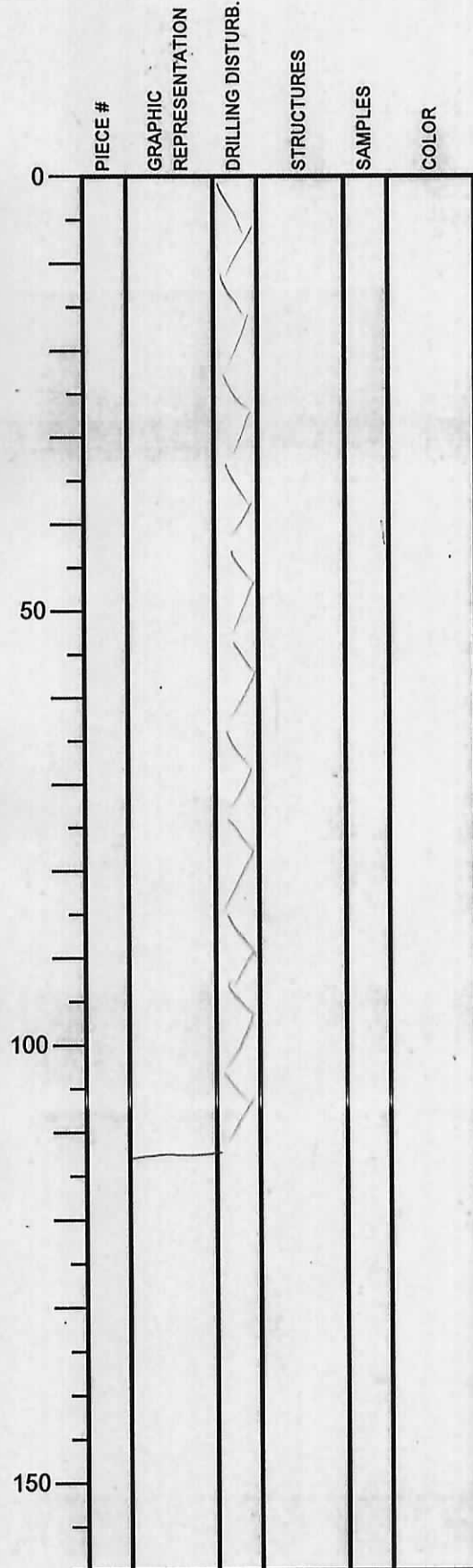
olive gray silty clay
 heavily bisquitized throughout w/
 infiltrated drilling slurry
 greenish banding in a few
 larger bisquits

ash patch

134

Integrated Ocean Drilling Program
Visual Core Description

NO.
 DATE: 1/4/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 23x
 SECTION: 9
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

olive gray silty clay

? brecciated + infiltrated drilling
 Slurry - many biscuits highly
 rotated (?)

Integrated Ocean Drilling Program Visual Core Description

NO. _____
 DATE: 11/4/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 23x
 SECTION: 10
 TOP DEPTH (m CSF): _____

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			○			
50			↓			
70						
100						
150						

SECTION DESCRIPTION

OBSERVER:

olive gray silty clay

heavily bisquitized w/ drilling slurry

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/4/2013
 EXP.: 238
 SITE/HOLE: C0022B
 CORE: 234
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		VOID	~			
43		PAL	~			
50						
100						
150						

SECTION DESCRIPTION

olive gray silty clay

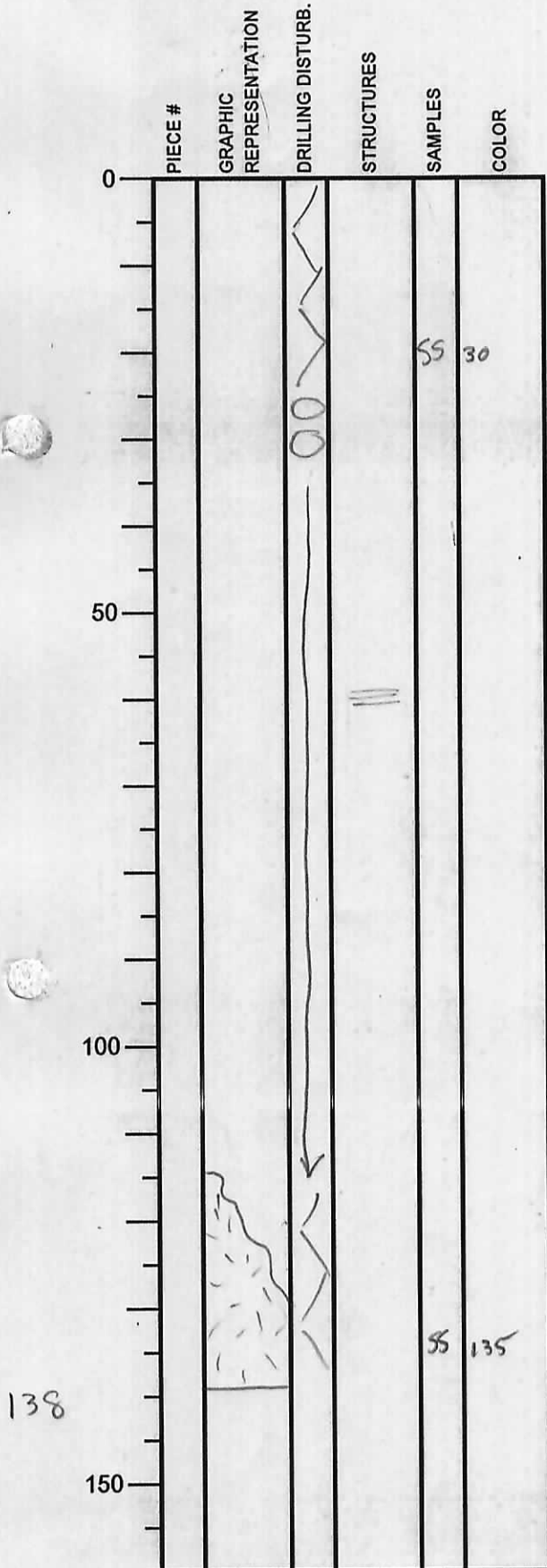
OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/14/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 24X
 SECTION: 1
 TOP DEPTH (m CSF):

SECTION DESCRIPTION

OBSERVER:



dk olive gray silty clay
 2.564 4/1

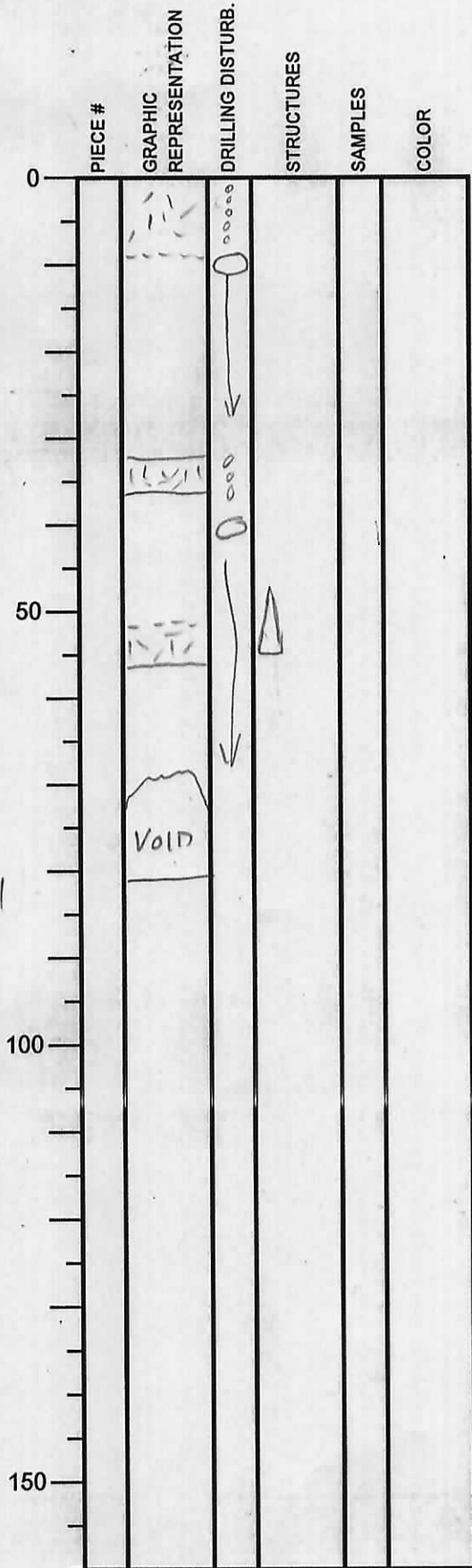
bisquitel, fractured in lower part,
 ash contact near base highly
 drilling disturbed

faint Chondrites distributed
 throughout silty clay

fine ash - drilling disturbed

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/4/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 24x
 SECTION: 2
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

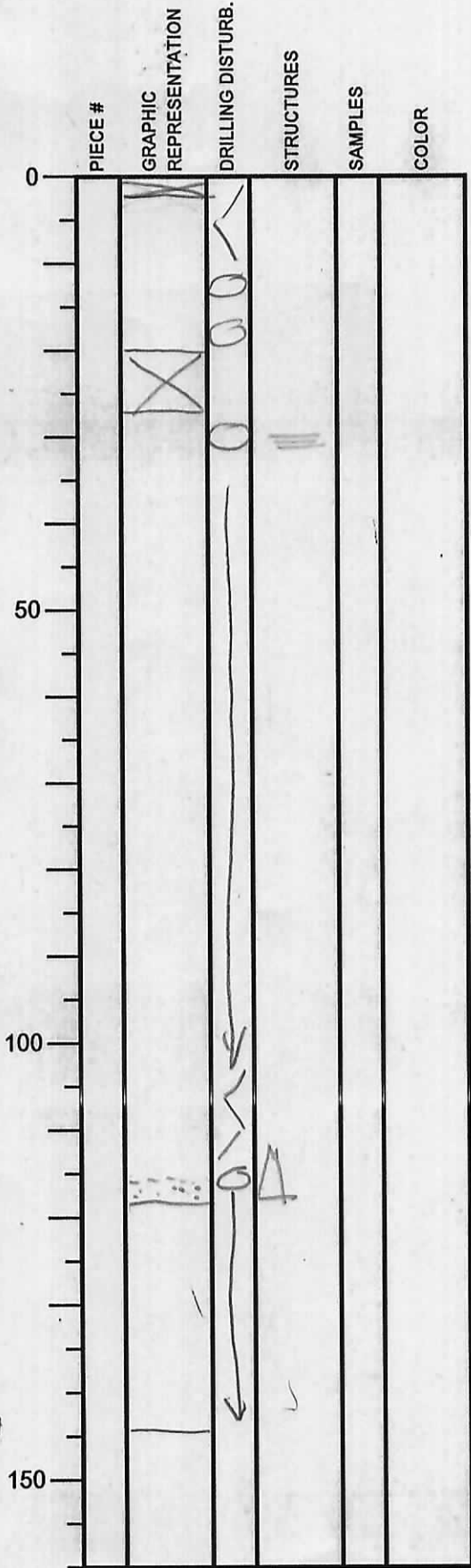
fine ash
 dark olive silty clay
 fine ash
 fine ash - grades upward into silty clay

OBSERVER:

81

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/4/20 13
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 24X
 SECTION: 4
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

dk olive gray silty clay

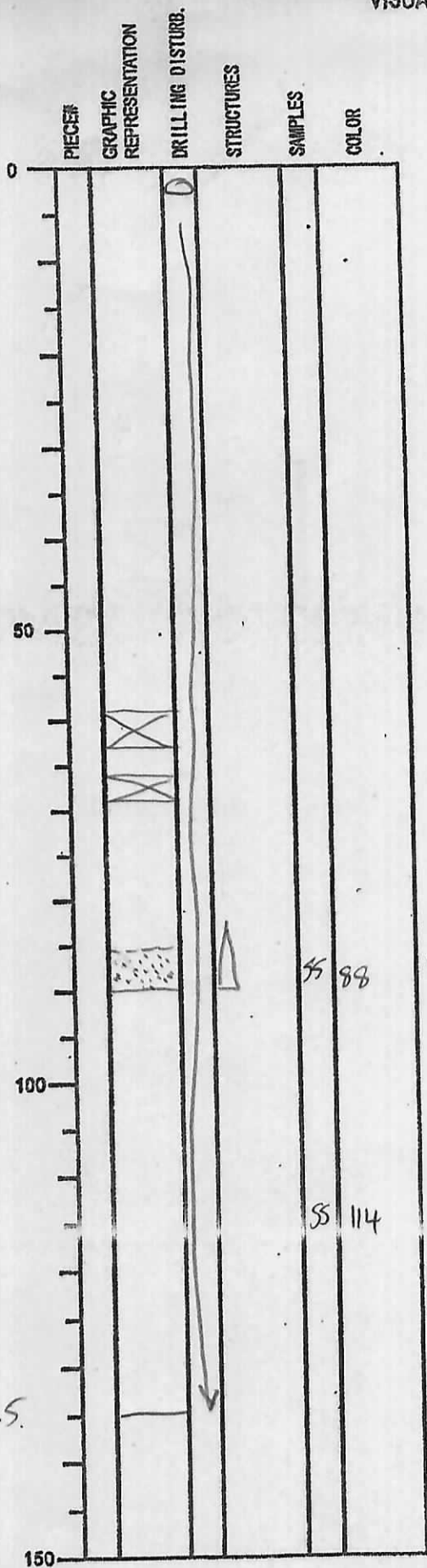
biogritted + fractured

Chondrites and other discrete burrows

visol

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 1 / 20
EXP: 338
SITE/HOLE: C0022B
CORE: 24X
SECTION: 5
OBSERVER:



SECTION DESCRIPTION

olive gray silty clay

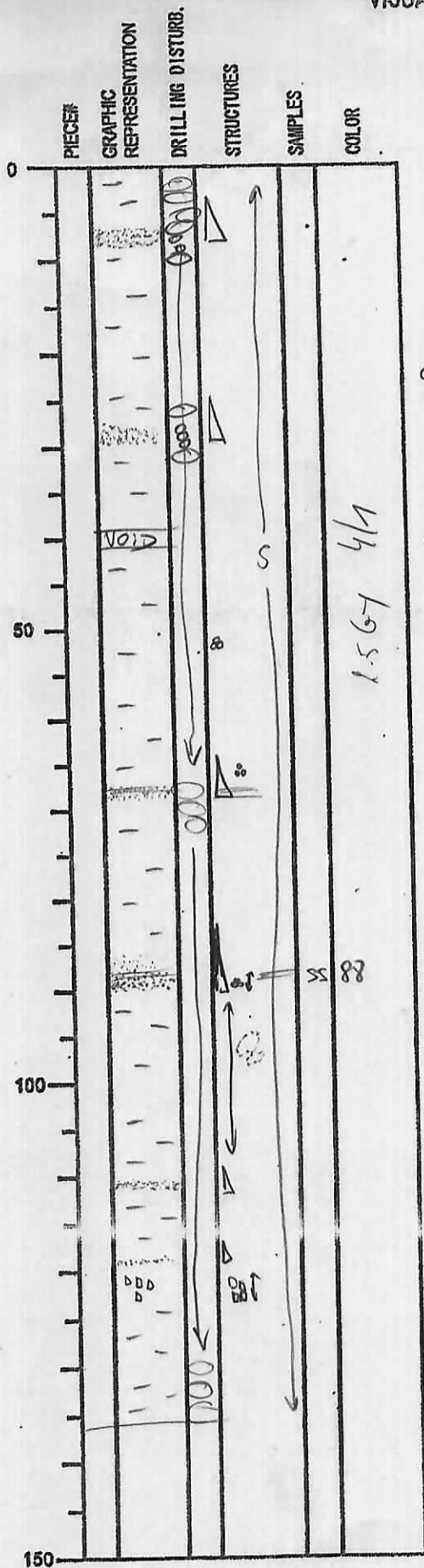
v. fine sd

135.5

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 04 10 120 13
EXP: 338
SITE/HOLE: L0022B
CORE: 24X
SECTION: 6
OBSERVER:

Tot. = 136,5 cm
SECTION DESCRIPTION



0-136,5 = dk olive gray silty clay
traces of boturbation
on larger vsust pieces
round small fine upwards sequences
from sand to silty clay
sand bars
L = 6-8 cm

* 27-30 cm

+ 66-68 cm

→ plane beddy
* 86-88 cm = fine sand
→ plane beddy
88-90 cm = medium sand
interbed with lots of
forams

+ 110-111 cm

* 118-118,5 cm

forams at * 53 cm

* 65,5 cm

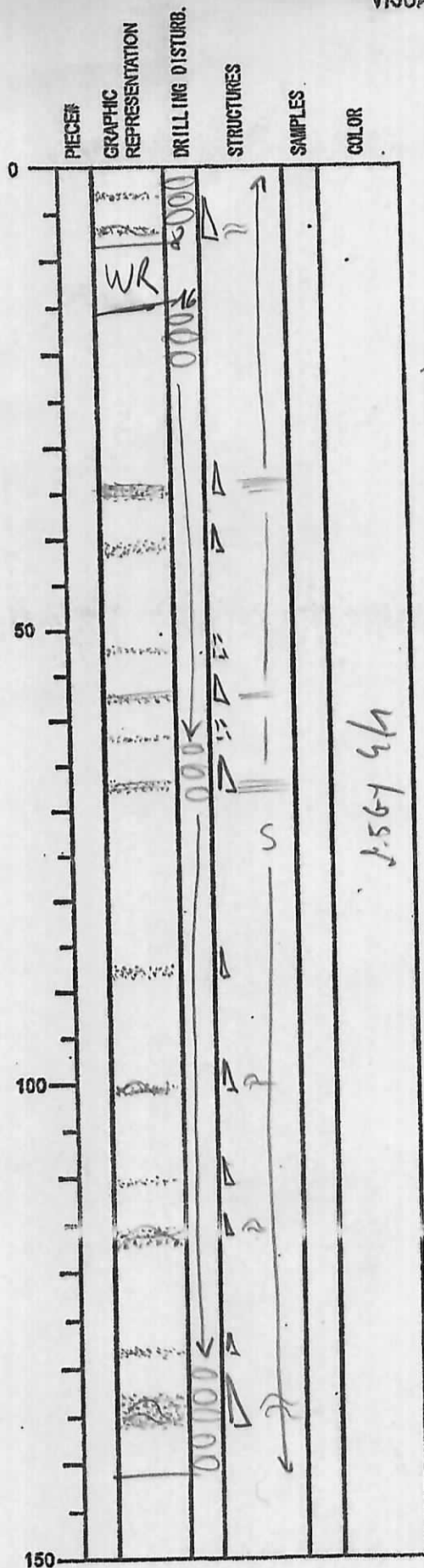
* 86-90 cm

greenish mottled 90-110 cm

pinkish mottled 110-136 cm

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 04/01/2012
EXP: 338
SITE/HOLE: C0022B
CORE: 24X
SECTION: 7
OBSERVER:



Tot. 141 cm
SECTION DESCRIPTION

0-141 cm = silty clay
traces of botrydites on bottom pieces

lots very small red layers =
base of fine upward sequences
red beds at

- * 3-3.5 cm
- * 6-7 cm : wavy bedding
- * 36-36 cm : planar bedding
- * 41.5-42.5 cm : planar bedding
- * 53-53.5 cm = FU?
- * 55-57 cm : planar bedding]
- * 63-63.5 cm = FU?
- * 66-67.5 cm : planar bedding]

1.56-1.95

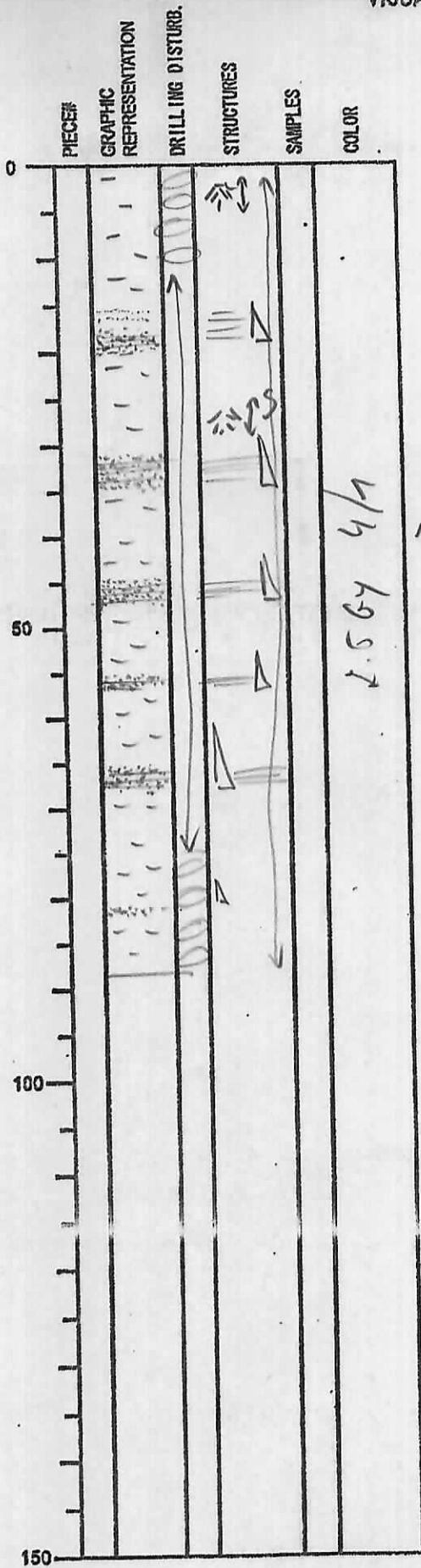
thicker FU sequences
capped with thin
red layer
= part of sequence?
no clear FU above
this layer

- * 88-89 cm
- * 100-101 cm : wavy bedding
- * 110.5-111.5 cm
- * 116-118 cm : wavy bedding
- * 128-129 cm
- * 132-135 cm : wavy bedding

WR = 8-16 cm

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 04/01/2013
EXP: 338
SITE/HOLE: C0022B
CORE: 24X
SECTION: 8
OBSERVER:



Tot. 88cm

SECTION DESCRIPTION

0-88cm: silty clay

traces of saturation
for example

4-7cm = chondrites

27-30cm = "

several thin platy upwards (FU)
sequences

↳ sandy bars at

* 16-20cm = plane bedding

* 31-35cm = plane bedding

* 45-47.5cm = plane bedding

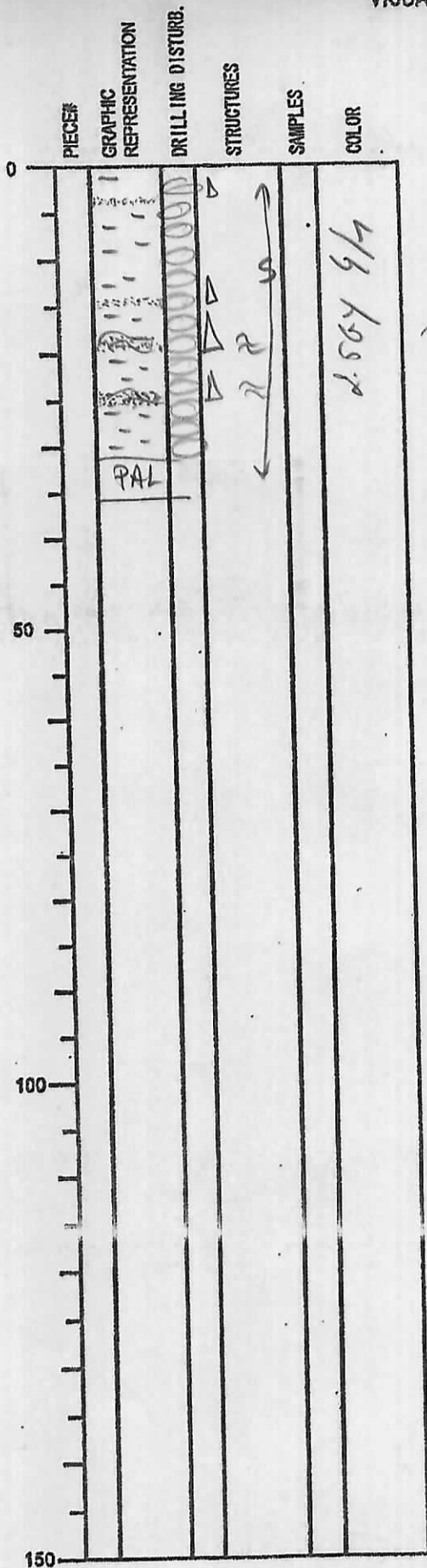
* 56-57cm = " "

* 66-68cm = " "

* 83-83.5cm

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 04 10 11 20 13
EXP: 338
SITE/HOLE: C0022B
CORE: 24X
SECTION: CC
OBSERVER:



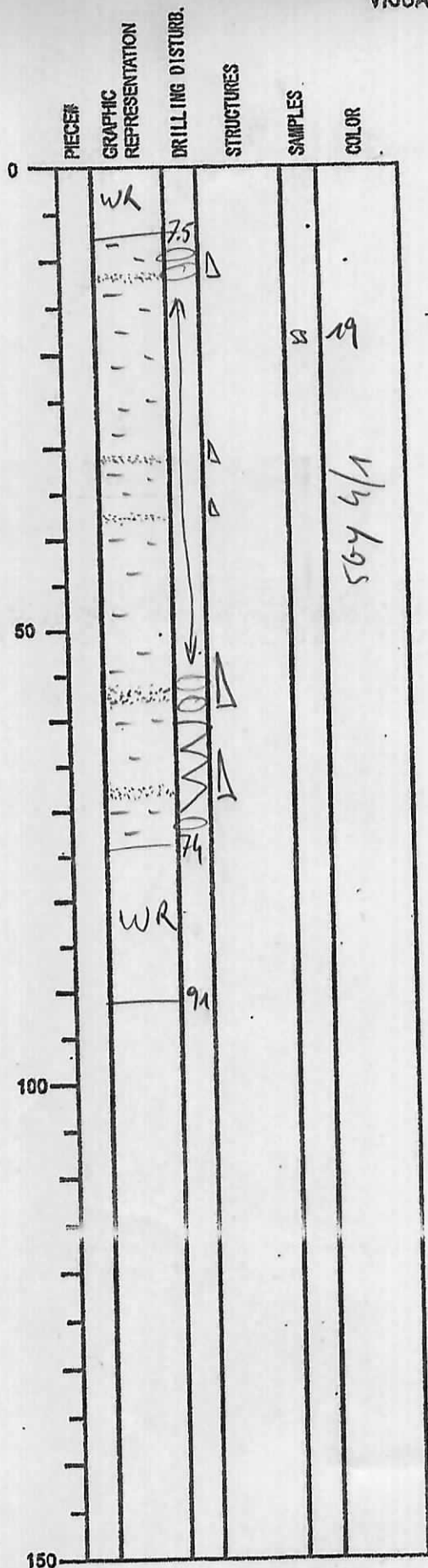
Tdr. 36cm

SECTION DESCRIPTION

0-31 cm = silty clay
signs of water saturation
would small fine upwards (FU)
sequences
sandy base at
+ 4-4.5cm
+ 14-15cm
+ 18-20cm : wavy bedded
+ 24-26 cm : wavy bedded

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 1 / 20
EXP: 338
SITE/HOLE: C0022B
CORE: 25X
SECTION: 1
OBSERVER:



Tot 91cm
SECTION DESCRIPTION

WR = 20-7,5cm
+ 74-91cm

7,5-91cm = silty clay
(drilling induced scouring)

several small fling upwards
regions

* sand base: 12,5-13cm

* sand base: 32-32,5cm

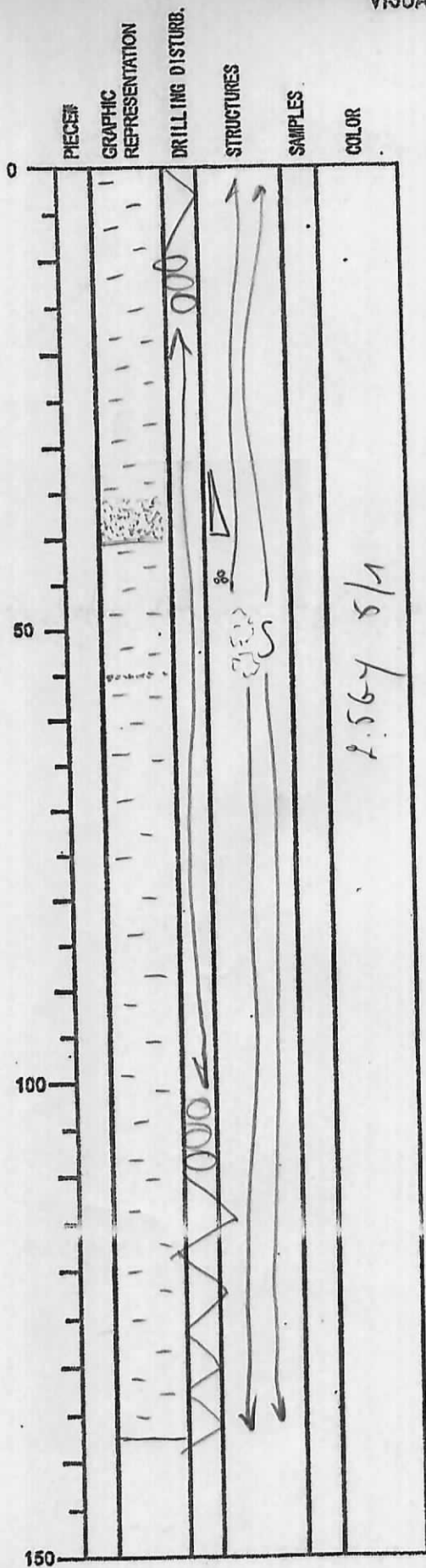
* sandy silt base: 37-37,5cm

+ sandy base: 55-58cm

* sandy base: 66-67cm

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 4/10/12013
EXP: 338
SITE/HOLE: CoddB
CORE: 26X
SECTION: 1
OBSERVER:



Tot. 137 cm
SECTION DESCRIPTION

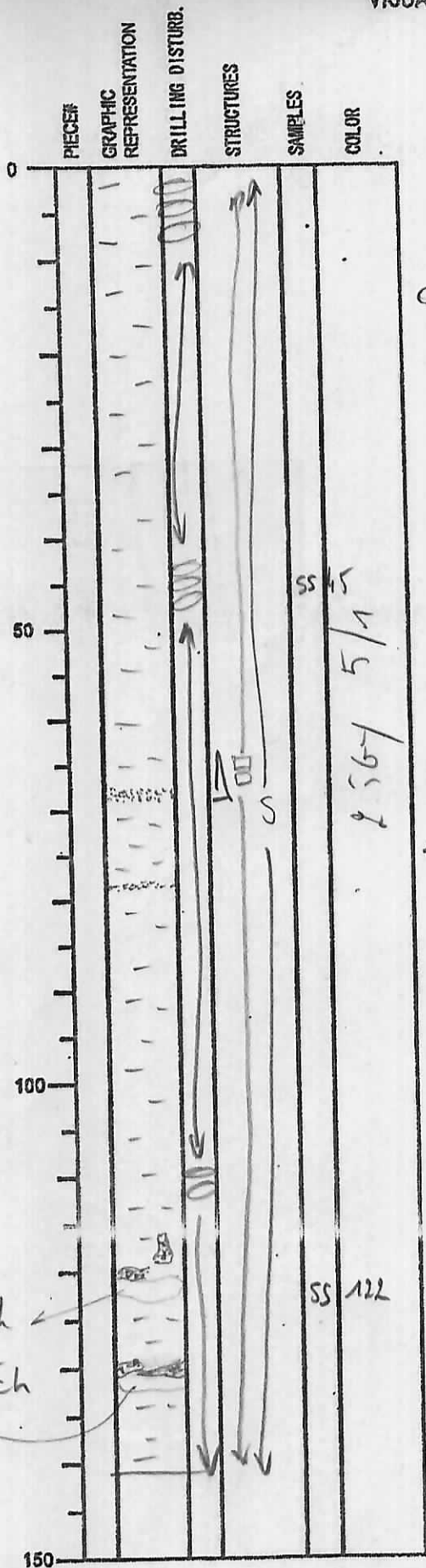
0-137 cm = silty clay
signs of sedimentation +
greenish mottling over entire core
→ strong drilling disturbance
(mostly biscuits)

fining upwards sequence
from very fine, silt
sand to silty clay
→ red box = 37-60 cm
mud sand layer 55.5 cm
(± 2 mm thick)
found at 65 cm

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 04 10/120 13
EXP: 338
SITE/HOLE: 0022B
CORE: 26x
SECTION: 2
OBSERVER:

Tot. 140,5 cm
SECTION DESCRIPTION



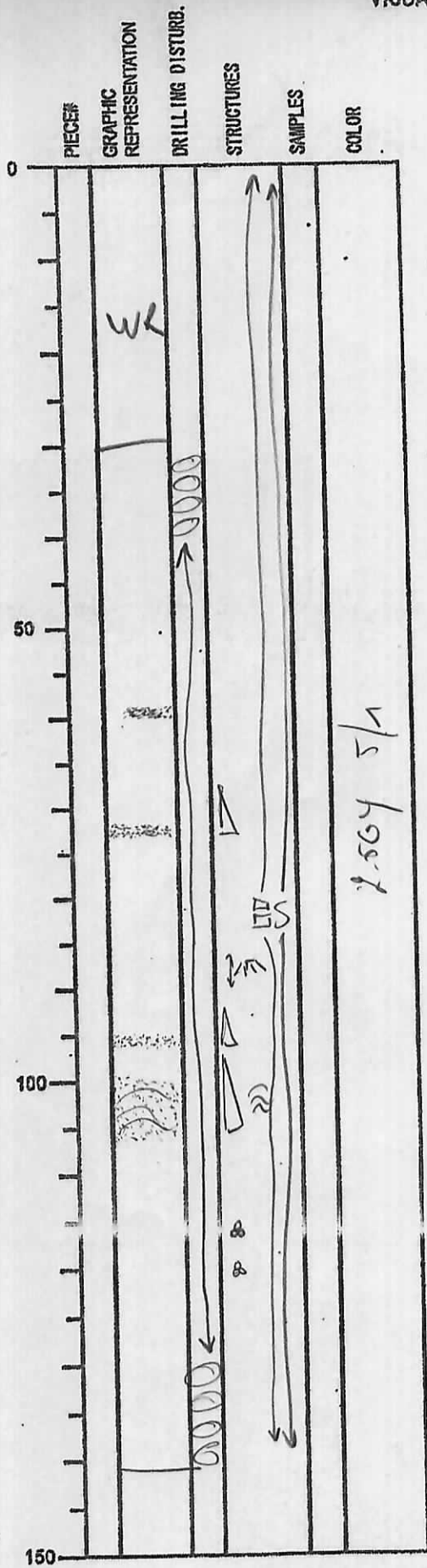
strong drilling disturbance = 6 secuts
 0-140,5 cm = silty clay
 several burrow traces +
 green banding over entire
 length of section
 68-69 cm = sand layer = box
 of small flying upwards
 requena
 sand layer: 78 cm = ± 2 mm thick
 + bedded sand layer (± 0,5 cm)
 at 125 cm
 directly below greenish white
 patch with green streaks = 2507 7/1
 + discontinuous sand layer
 at 130 cm (0,5-1 cm thick)
 directly below other greenish
 white patch

greenish white patch
2507 7/1

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 04/01/2013
EXP: 338
SITE/HOLE: 0022B
CORE: 26X
SECTION: 3
OBSERVER:

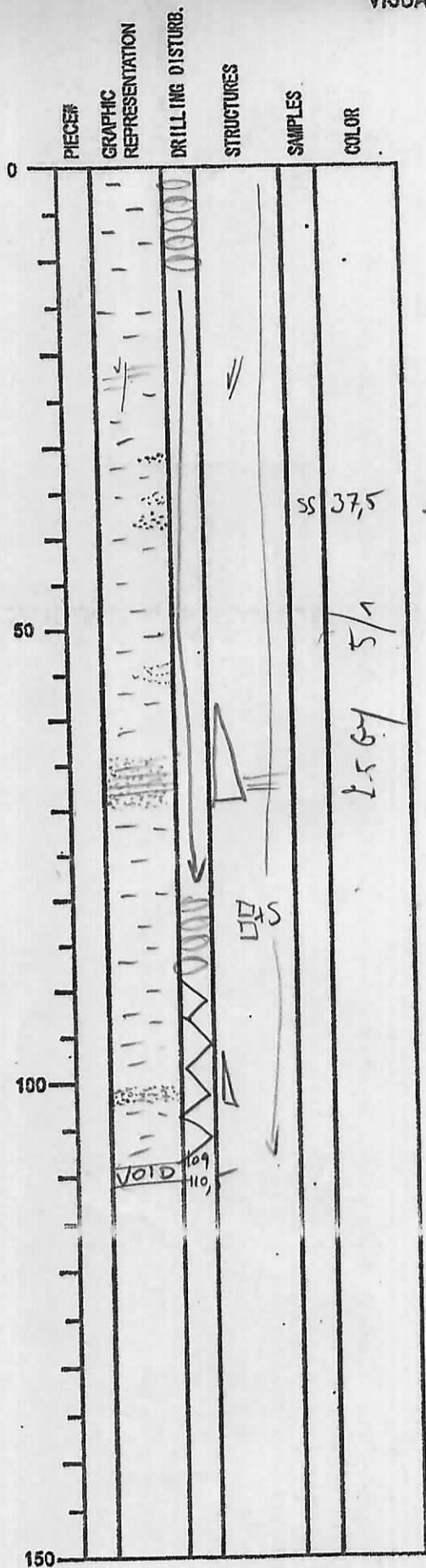
Tot. 141 cm
SECTION DESCRIPTION



WR = 0-30cm
 30-141 cm = silty clay
 signs of burrows + green bedding
 over entire length of core
 disrupted sand layer at 57-58cm
 fine upward sequences of
 fine sand to silty clay
 → sand bar at
 * 72-73cm
 * 94-95.5cm
 * 99-105.5cm
 ↳ 100-104 = wavy bedding
 facies at 116 + 120cm

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 01/01/2013
EXP: 338
SITE/HOLE: Coakle
CORE: 16X
SECTION: 4
OBSERVER:

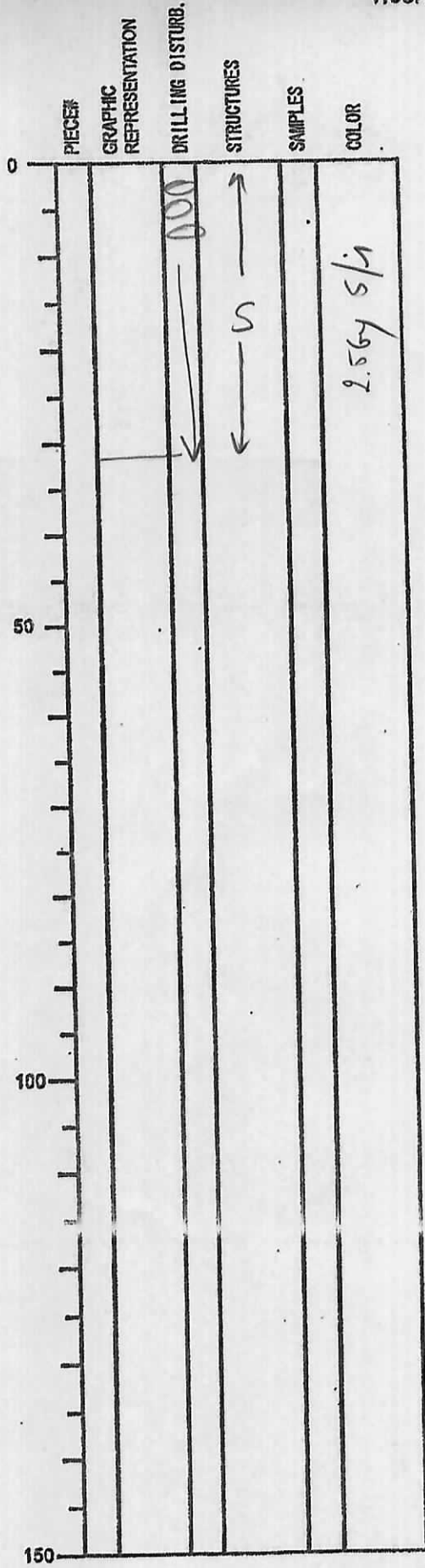


Tot. 110,5 cm
SECTION DESCRIPTION

0-110,5 cm = silty clay
signs of saturation (= distinct
lucrows)
+ greenish banding over entire
length of section
small fault at 24cm
lucrows? filled with granules (white)
at 31-32cm
34-35cm
37-38cm
disrupted mm thick sand laminae
between 53-55cm
fining upwards sequence from
sandy silt to silty clay
box = at 66-70cm
no planar bedding
fining upward sequence
from fine sand to silty clay
↓
box at 100-102cm

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 04/01/2013
EXP: 338
SITE/HOLE: 0022B
CORE: 26X
SECTION: 5
OBSERVER:

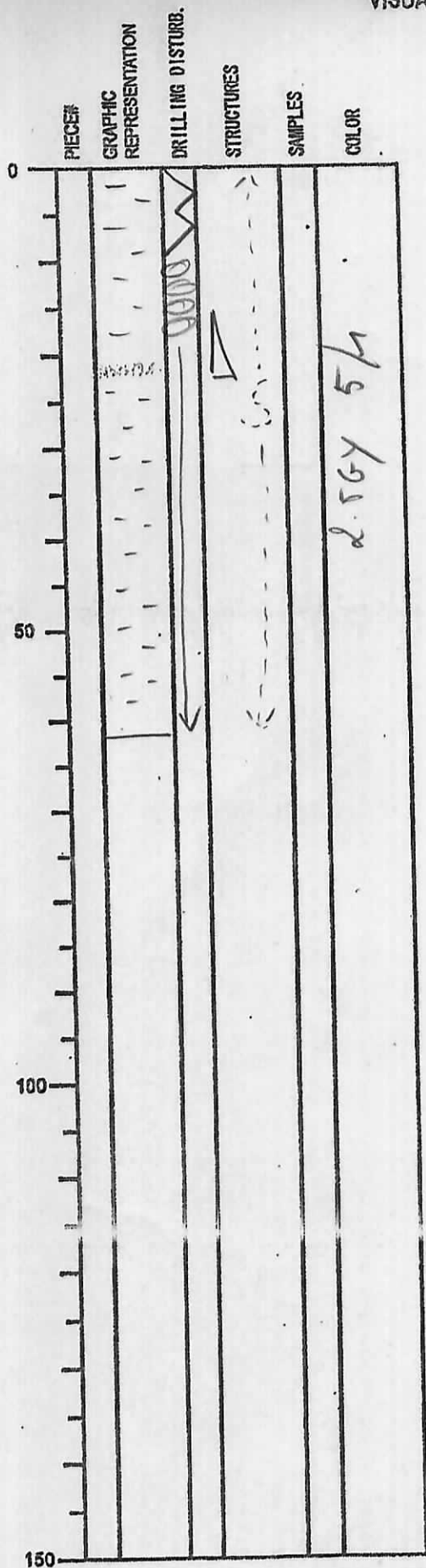


Tot. = 31,5 cm
SECTION DESCRIPTION

0-31,5 cm = silty clay
signs of burrowing

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 06 Jan 2013
EXP: 338
SITE/HOLE: C0022B
CORE: 26X
SECTION: 6
OBSERVER:

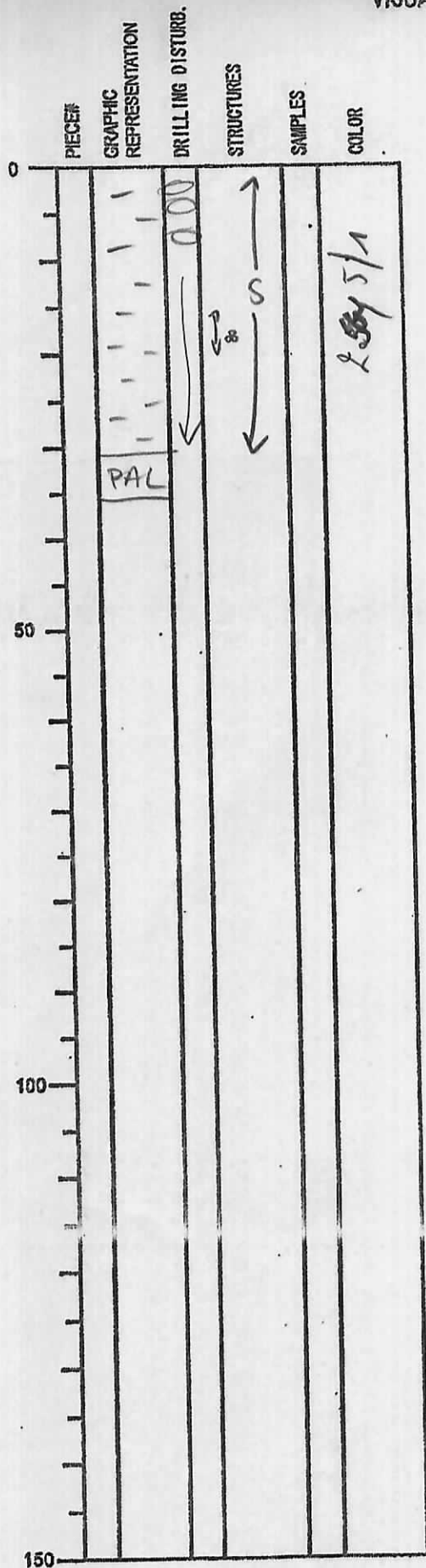


Top. 62cm
SECTION DESCRIPTION

0-62cm = silty clay
very minor signs of bioturbation
fining upwards sequence from
very fine, silted sand to silty clay
→ sandy base = 22-23 cm

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 01/20/13
EXP: 338
SITE/HOLE: C002/B
CORE: 26X
SECTION: CC
OBSERVER:



Tot. 35,5 cm
SECTION DESCRIPTION

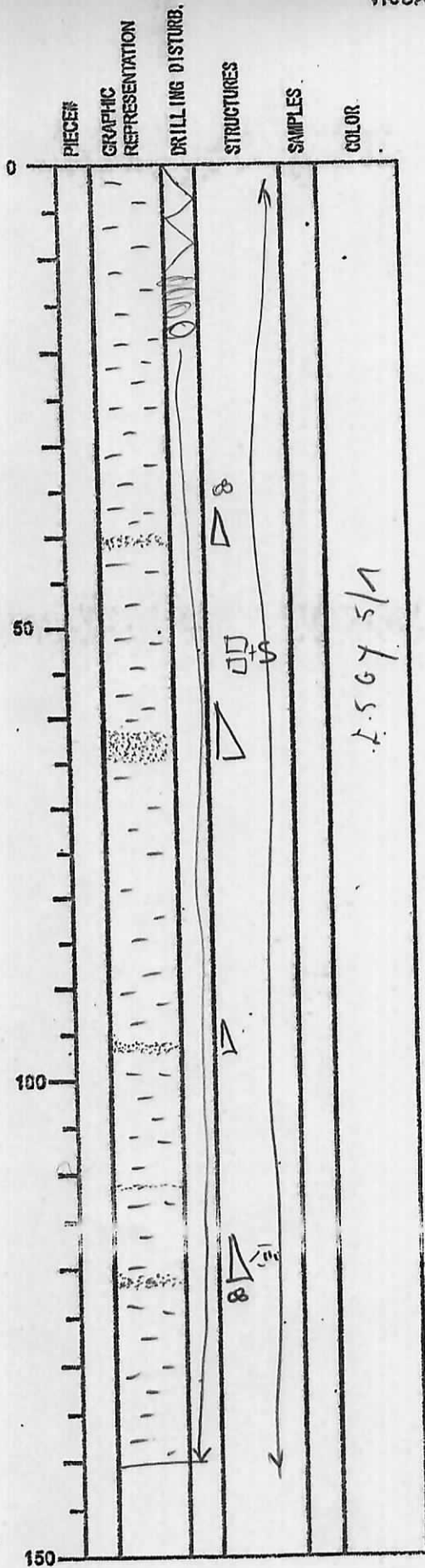
0-30,5 cm = silty clay
clean rights of *Soturbeta*

forams : 15-18 cm

PAL = 30,5 - 35,5 cm

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 04/01/2013
EXP: 338
SITE/HOLE: C002B
CORE: L7X
SECTION: 1
OBSERVER:



Tot. 140cm
SECTION DESCRIPTION

0-140cm = silty clay
slight water saturation
+ presence of green sands

facies : 35cm
123,5cm

characteristics 120-121

flaring upwards sequences red → silty clay
16th of boxes of
+ 39-41

* 62-65

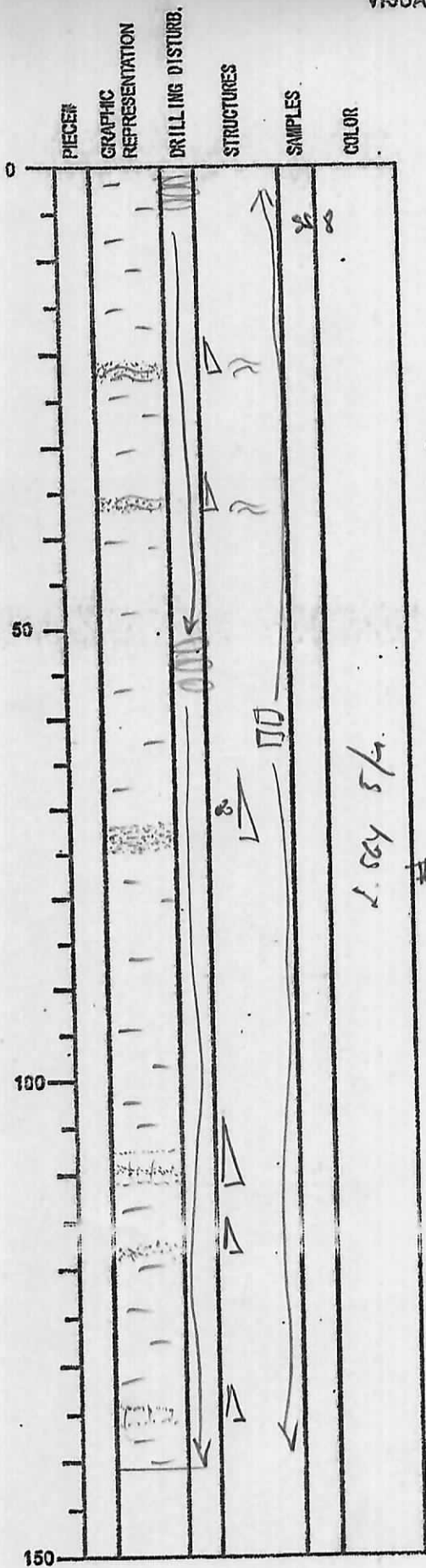
* 96,5-97,5

* 122-123

113 cm = thin red lamina = 2mm

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 04/01/2013
EXP: 338
SITE/HOLE: Cooled B
CORE: 27X
SECTION: 2
OBSERVER:



Tot. 141 cm
SECTION DESCRIPTION

0-141 cm = silty clay
green bedding

ward going upward sequences
sand → silty clay
some are thin sand layers in
a sandy silt = #
in sand boxes of #

*22-24

*35,5-37

*73-75

*93-94

(-107,5 (±2mm)
(-109,5 - no
-110,5 (±2mm)

*117-118

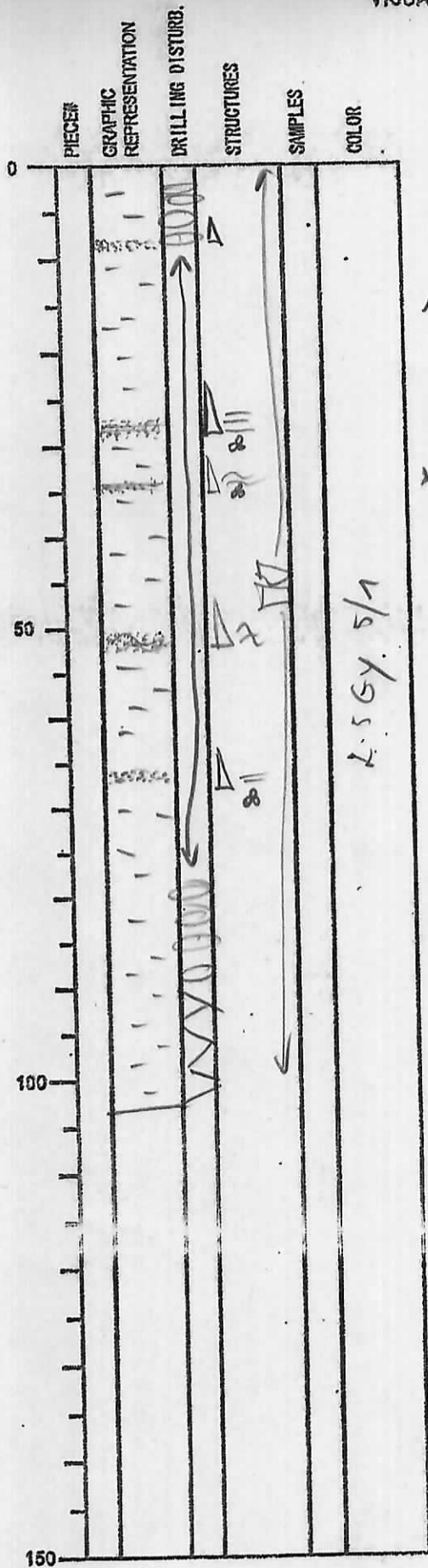
(-134,5 (±2mm)
(-136 (±2mm)

from 7cm
95-98cm

1.004 5/4

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 04 10/120/13
EXP: 338
SITE/HOLE: 0002B
CORE: 22X
SECTION: 3
OBSERVER:



Tot. 103 cm
SECTION DESCRIPTION

0-103 cm = silty clay
greenish bedding
would find upwards sequences
sand → silty clay
red box of clay

* 8.5-9.5 cm

* 17-29 cm = plane bedding

* 34-35 cm = wavy bedding

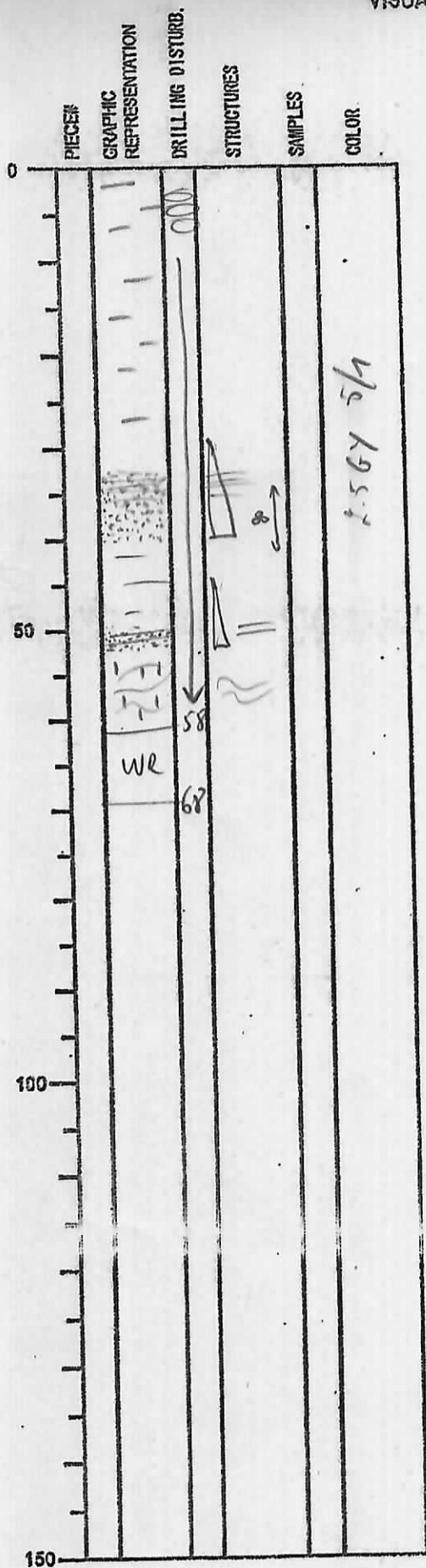
* 51-53 cm = wavy bedding

* 66-67 cm = plane bedding

Forams: +30 cm
+35 cm
+69

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO.
DATE: 04/01/2013
EXP: 338
SITE/HOLE: CO22B
CORE: 12X
SECTION: 5
OBSERVER:



Total 68cm
SECTION DESCRIPTION

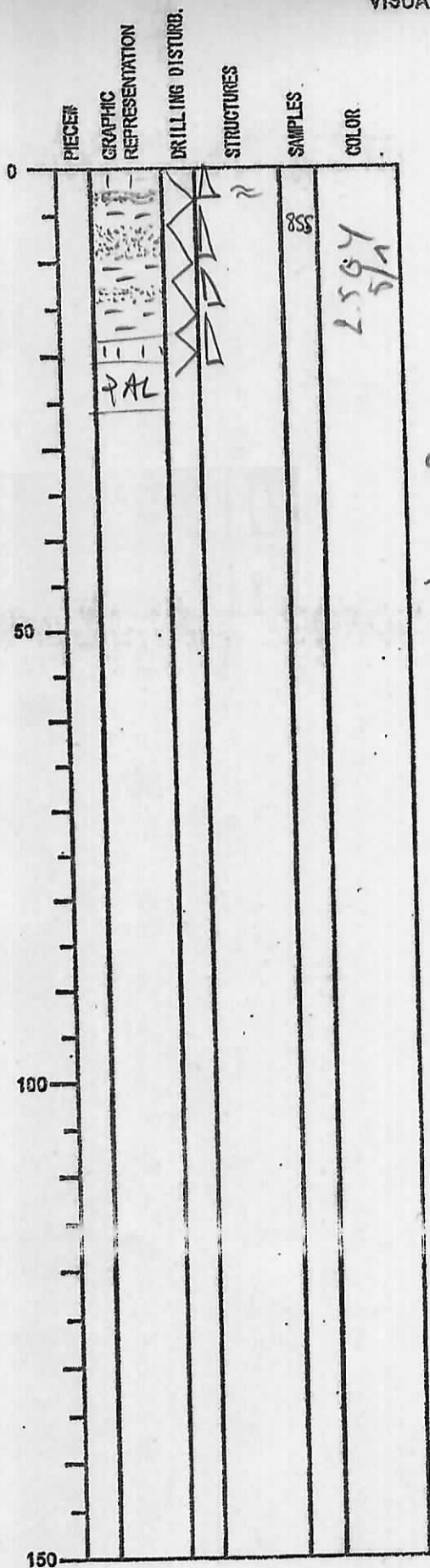
0-52 cm = silty clay
structureless
finer upwards regular
red → silty clay
red bases at
↳ 40-34 cm
↳ 34-37 cm = wavy bedded
= sandy red
37-40 cm = medium red
with lots of forams
↳ 49.5-52 cm = very fine red
plane bedded
52-68 cm = sandy silt
with some irregular
wavy bedded

INTEGRATED OCEAN DRILLING PROGRAM
VISUAL CORE DESCRIPTION

NO. DATE: 06 10 11 20 13
EXP: 338
SITE/HOLE: COO2EB
CORE: 27X
SECTION: CC
OBSERVER: CC

Tot. 25.5 cm

SECTION DESCRIPTION



0-4 cm = fine upward regular sand to sandy silt sand base = 3-4 cm (wavy bedded)
4-9 cm = fine upward regular green fine sand to silty clay
9-14 cm = fine upward regular green fine sand to silty clay
14-20.5 cm = fine upward regular green sandy silt to silty clay
PAL = 20.5-25.5 cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/5/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 28X
 SECTION: /
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			~			
50			~			
100			~		SS 90	
122.5		~	~			
150			~			

SECTION DESCRIPTION

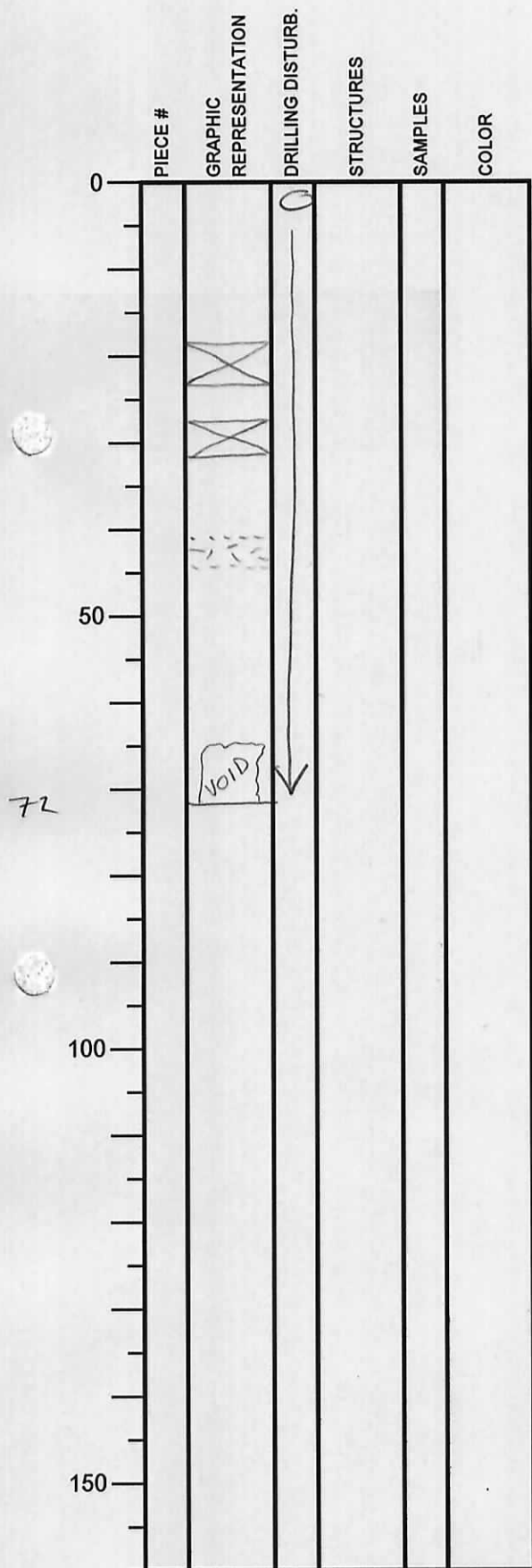
OBSERVER:

olive gray silty clay 2.564 5/1

minor greenish color bands;
 scattered Chondrites

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: / /20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 28X
 SECTION: 2
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

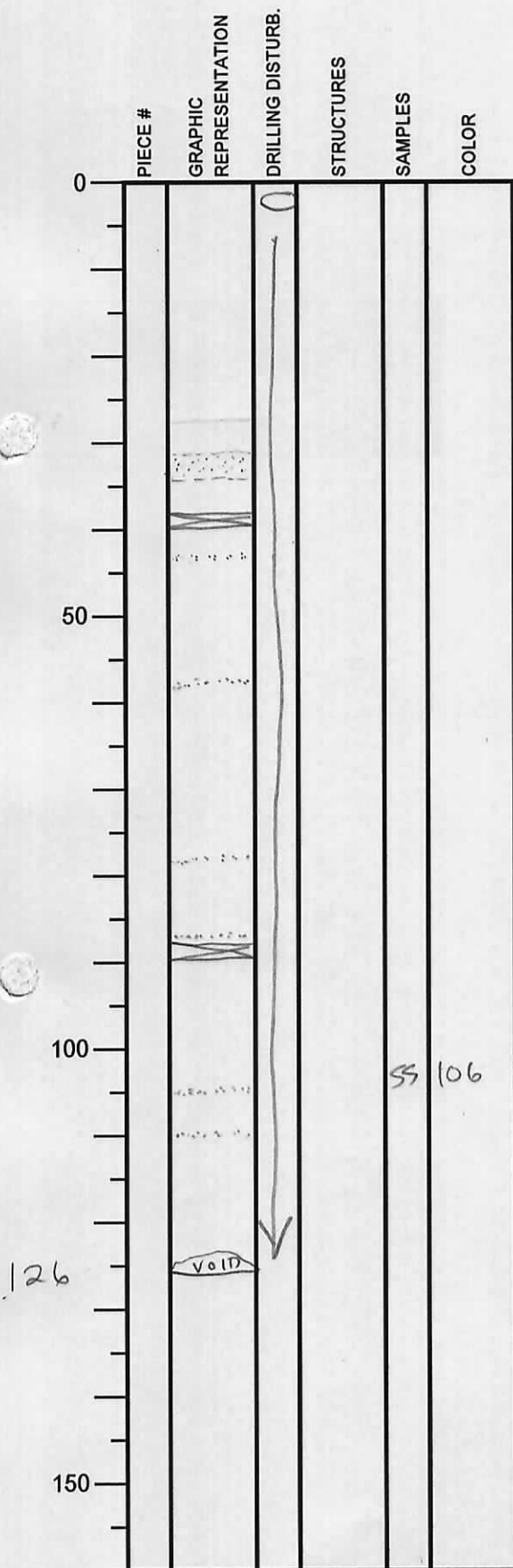
OBSERVER:

olive gray silty clay

poss. thin ash (w/ drilling slurry)

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: / /20
EXP.: 338
SITE/HOLE: C0022B
CORE: 28X
SECTION: 4
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

olive gray silty clay

v. fine sd (in drilling slurry)

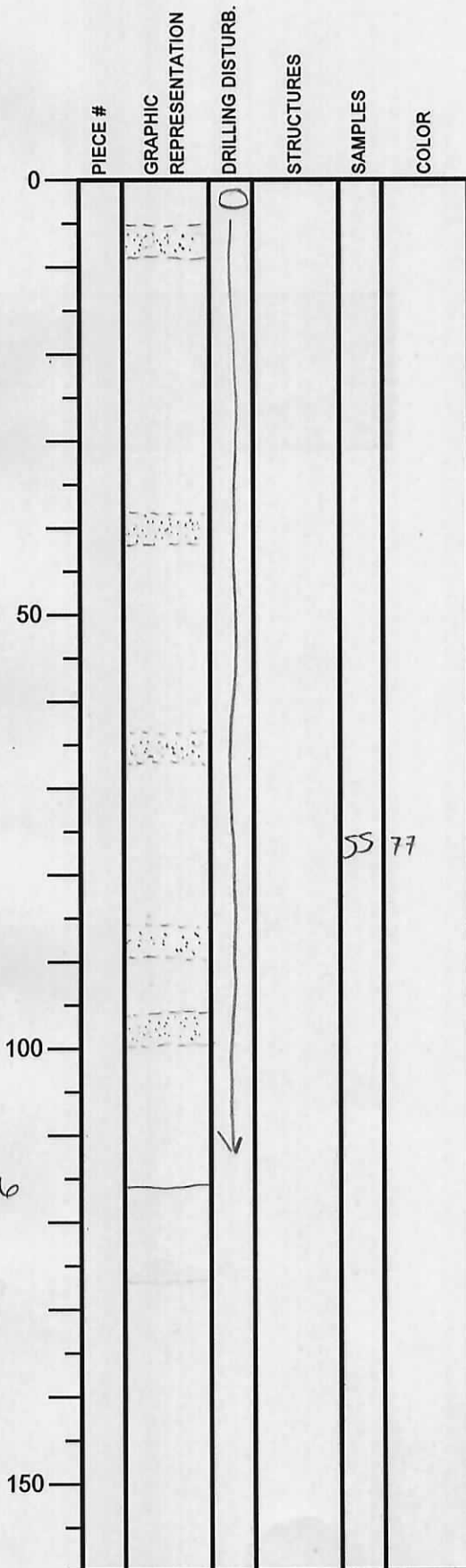
poss. sd lamina

poss. sd lamina

poss. sd. lamina

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: / / 20
EXP.: 338
SITE/HOLE: C0022B
CORE: 28X
SECTION: 5
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

v. fine sd (?) → in drilling slurry
olive gray silty clay

discrete burrows @ ~ 60-63

v. fine sd (?)
faint greenish color bands

v. fine sd (?)

All sands are interpreted from sandy intervals

v. fine sd (?)
w/ in drilling slurry

SS 77

116

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: / /20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 28X
 SECTION: 6
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			Q			
50			↙			
77			↘			
100						
150						

SECTION DESCRIPTION

OBSERVER:

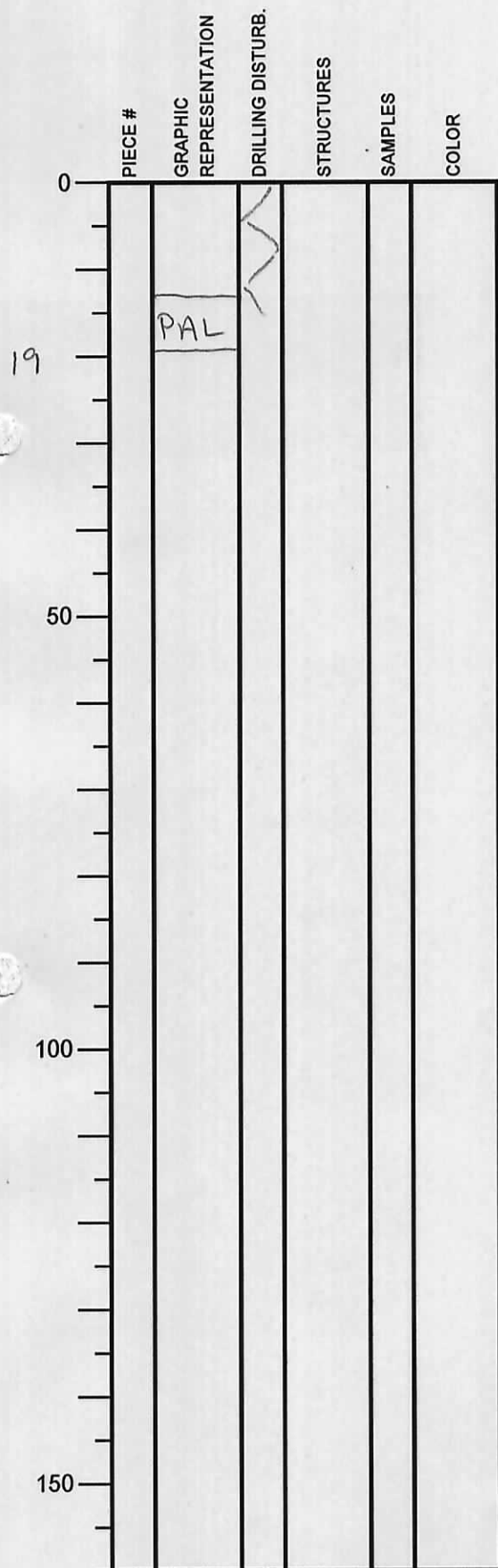
blue gray silty clay

silty lamina

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: / /20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 28X
 SECTION: CC
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

olive gray silty clay

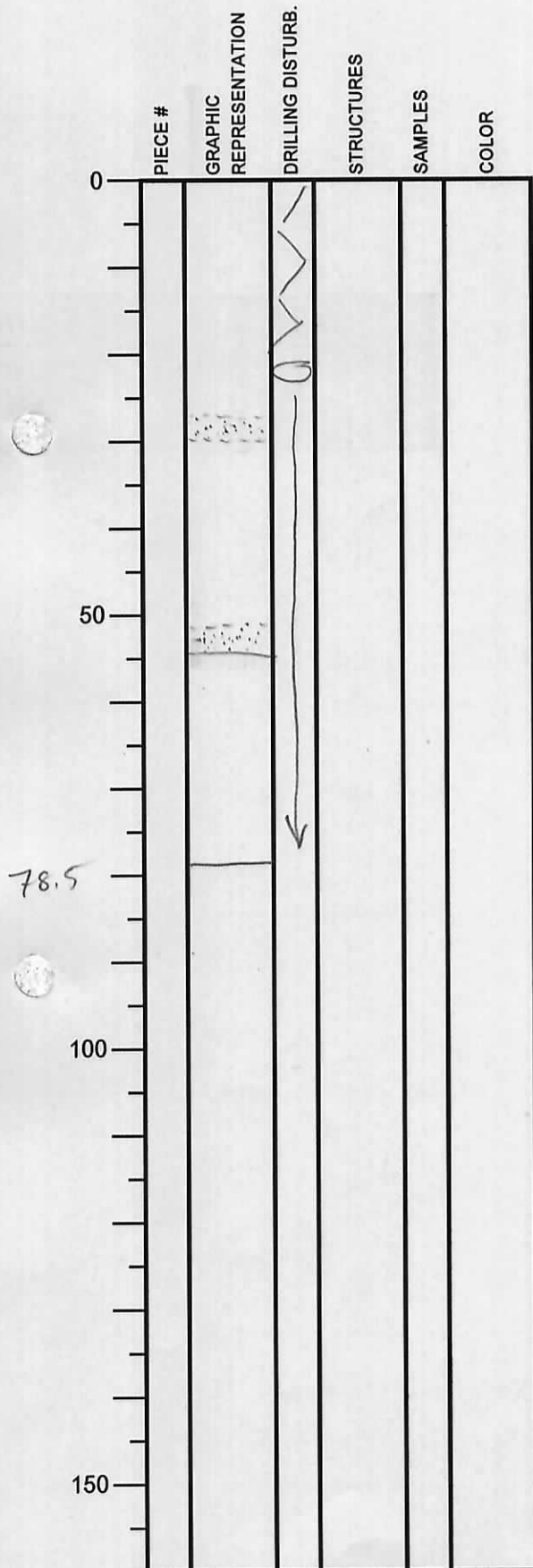
*highly disturbed - only fragments
of fractured biscuits in matrix
of drilling slurry*

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 15/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 29X
SECTION: /
TOP DEPTH (m CSF):

SECTION DESCRIPTION

OBSERVER:



dk olivegray silty clay 5G441

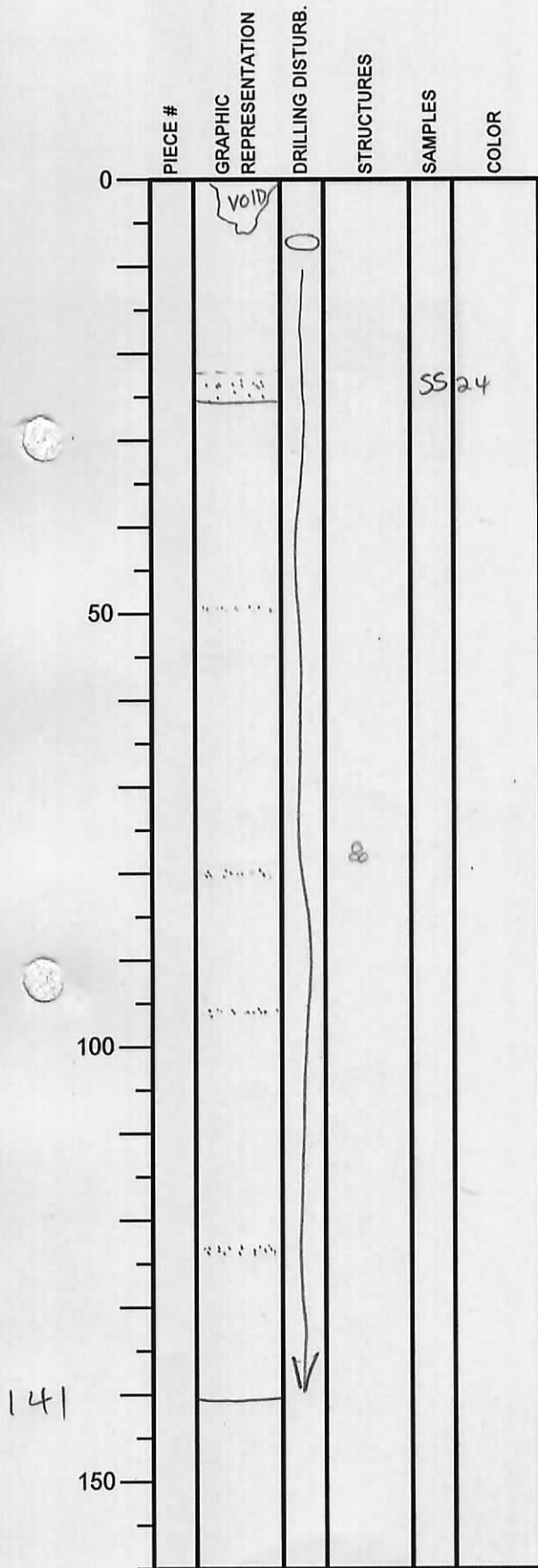
poss. sandy interval

poss. sandy interval

Coarser intervals disturbed by
core - thickness uncertain

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/15/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 29X
SECTION: 3
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

dk olive gray silty clay

v.f. sd

sd. lamina

coarser intervals disturbed
by coring

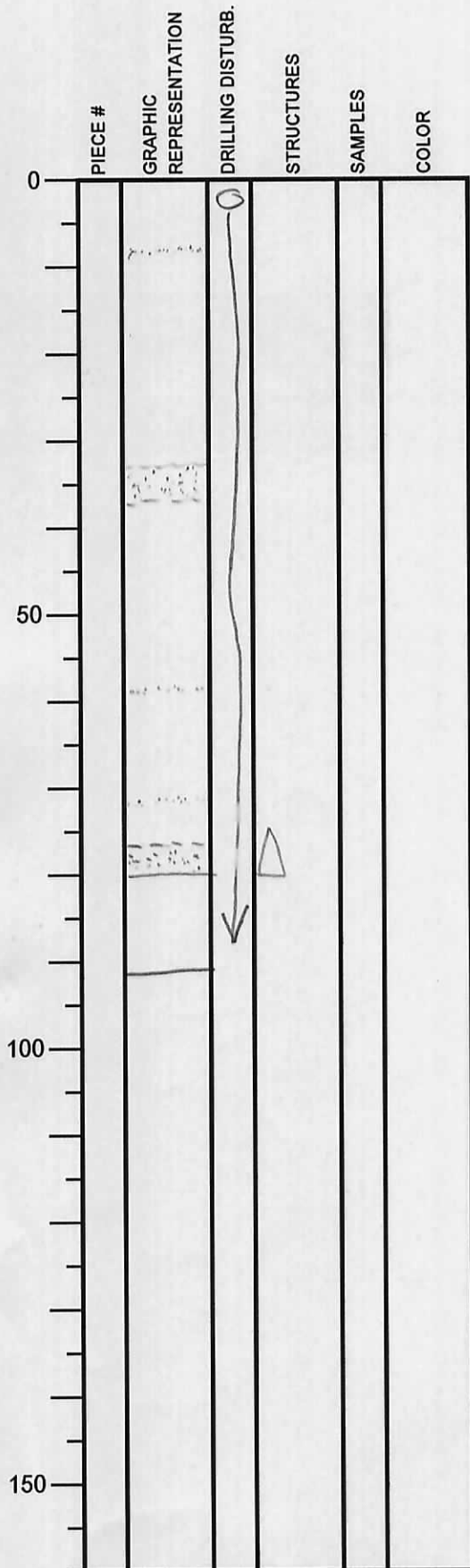
agglutinate
sd lamina

sd lamina

sd. lamina

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/5/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 29X
SECTION: 4
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

sd lamina
dk olive gray silty clay

v. fine sd

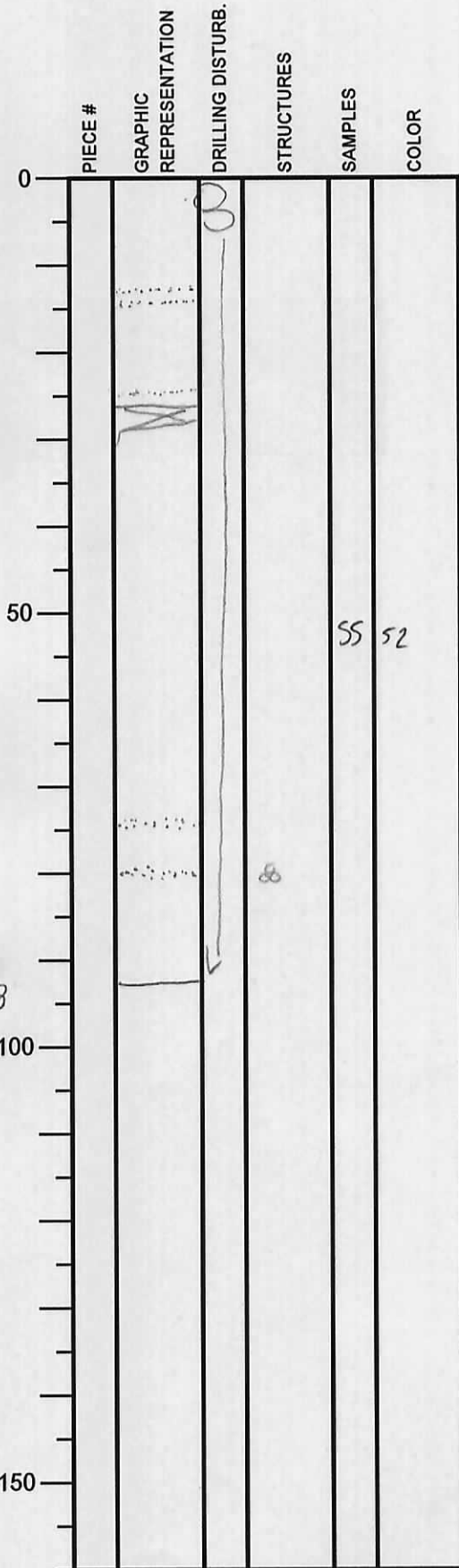
sd lamina

sd lamina

v. f. sd

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/5/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 29X
 SECTION: 5
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

sd laminae

dk olive gray silty clay

sd laminae

SS 52

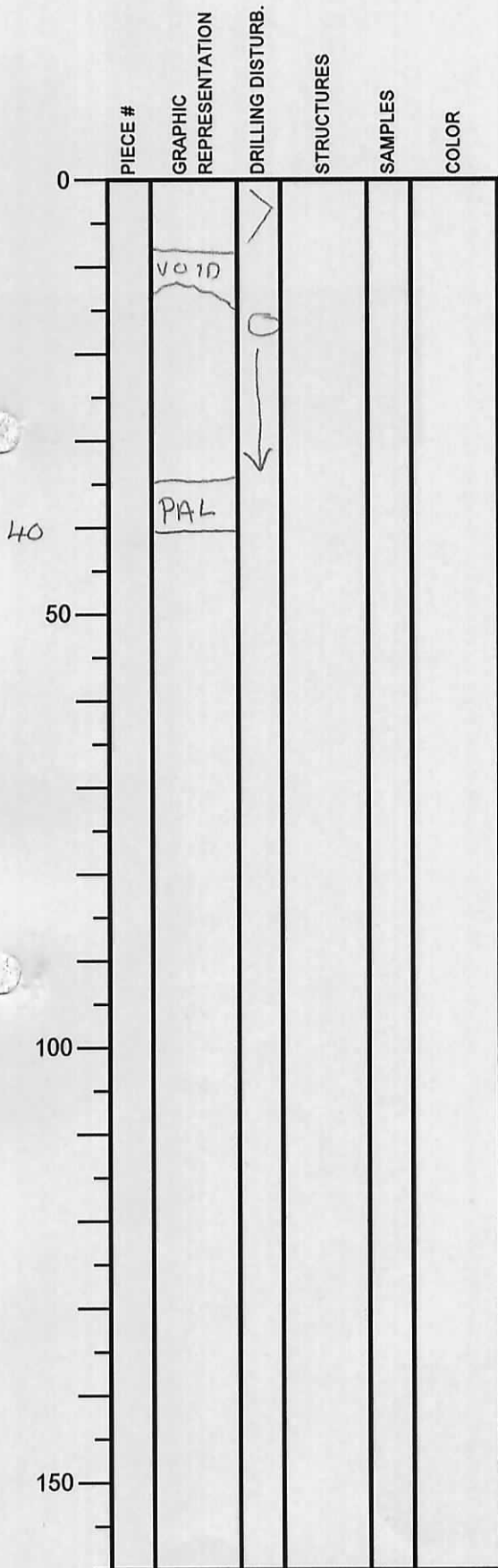
2.564 4/1

sd lamina

sd laminae w/ forams

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 11/5/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 29X
 SECTION: CC
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

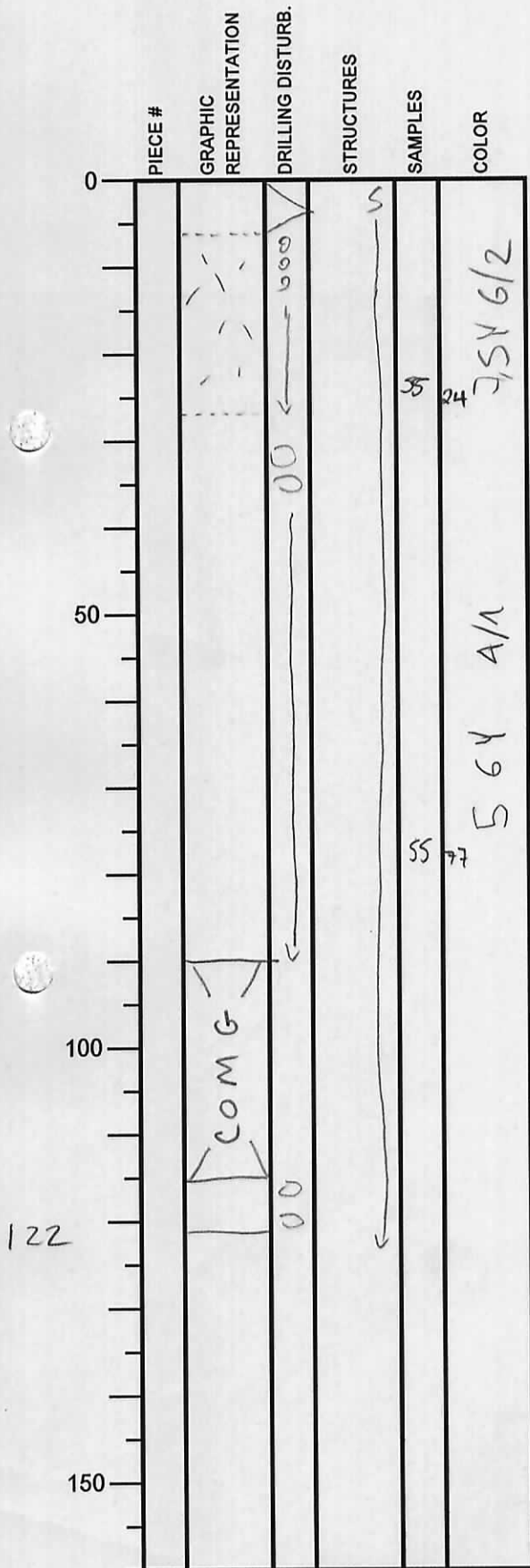
dk olive gray silty clay

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/5/ 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 30X
SECTION: |
TOP DEPTH (m CSF):

SECTION DESCRIPTION

OBSERVER:



Dark olive gray silty clay. Clonites + discrete lenses appear scattered throughout the core.

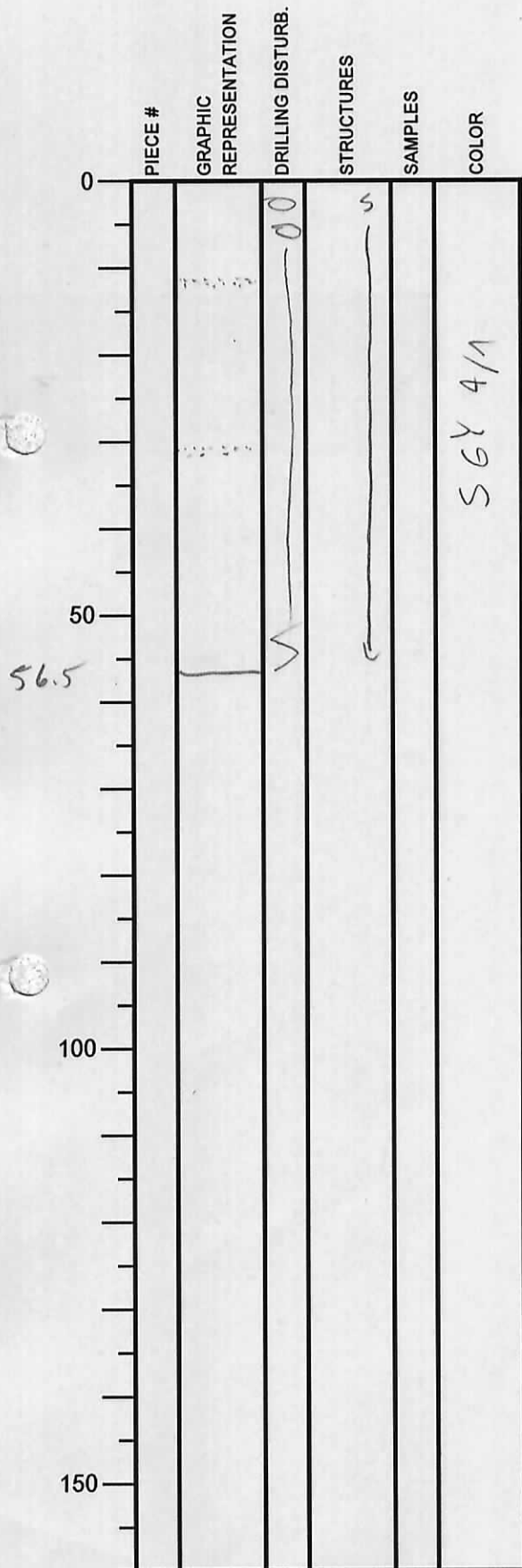
• 7-27: fine ash + silty clay (?) Soupy
↳ grayish olive

• greenish banding throughout the section

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/5/ 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 30X
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: SR



SECTION DESCRIPTION

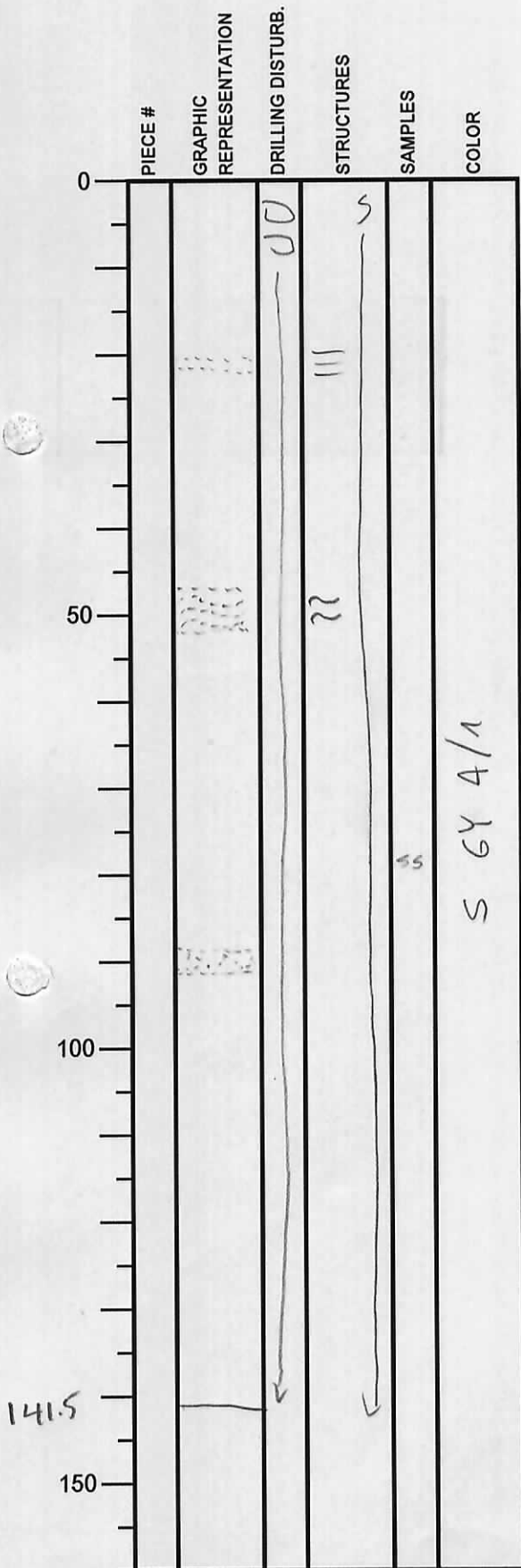
10-12 : sand lamina

31-32 : sand lamina

Discrete laminae through the Section

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/5/ 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 30X
SECTION: 4
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

21-23: planar lamination

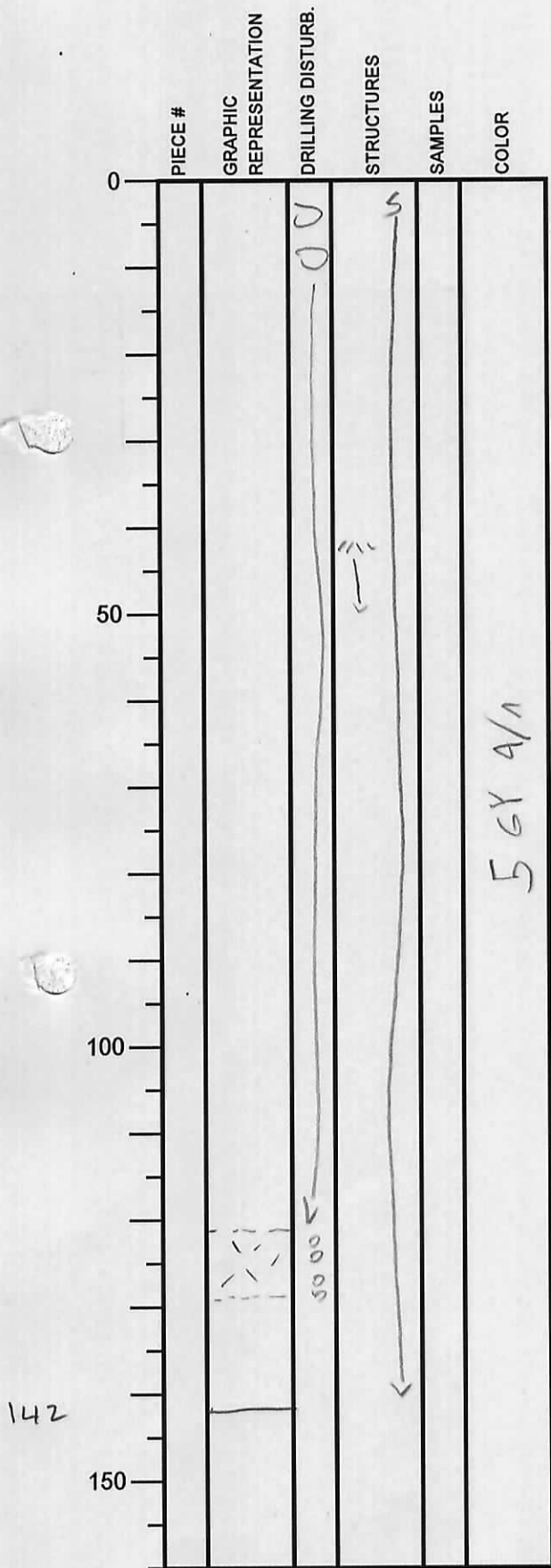
49-52: many lamination. sandy

88-91: sandy silt

S GY 4/1

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/5/ 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 30X
SECTION: 5
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

Greenish banding throughout

42-47: chondrites

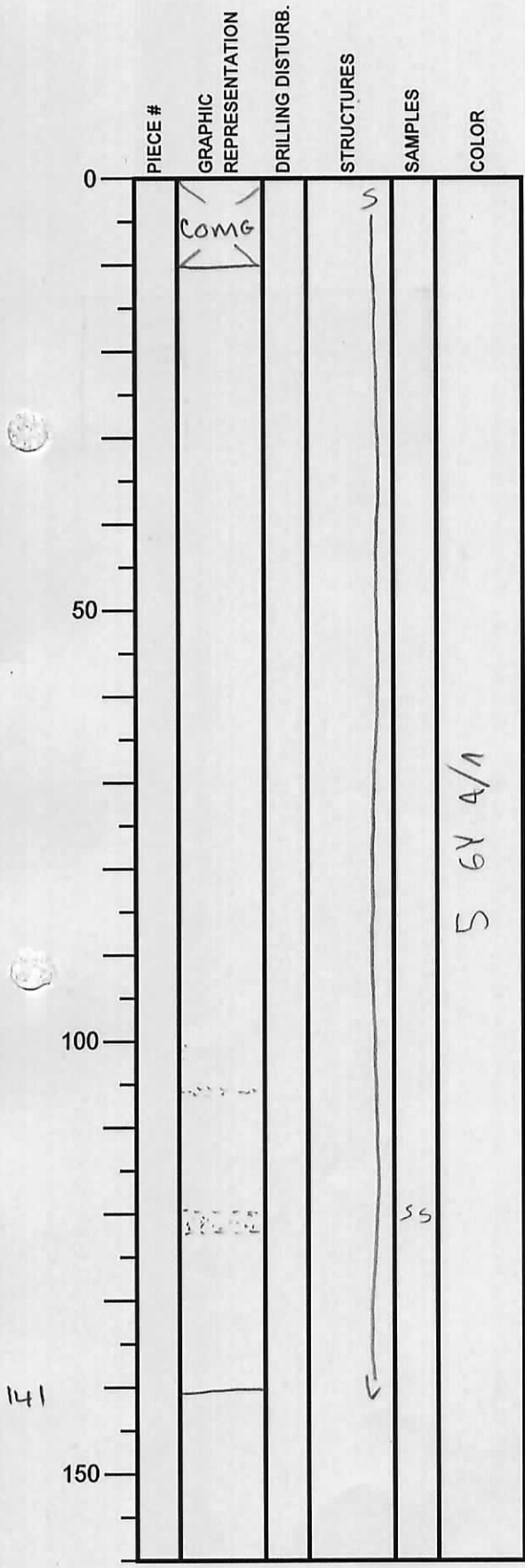
121-128: fine ash. Spongy

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/5/ 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 30X
SECTION: 6
TOP DEPTH (m CSF):

SECTION DESCRIPTION

OBSERVER:



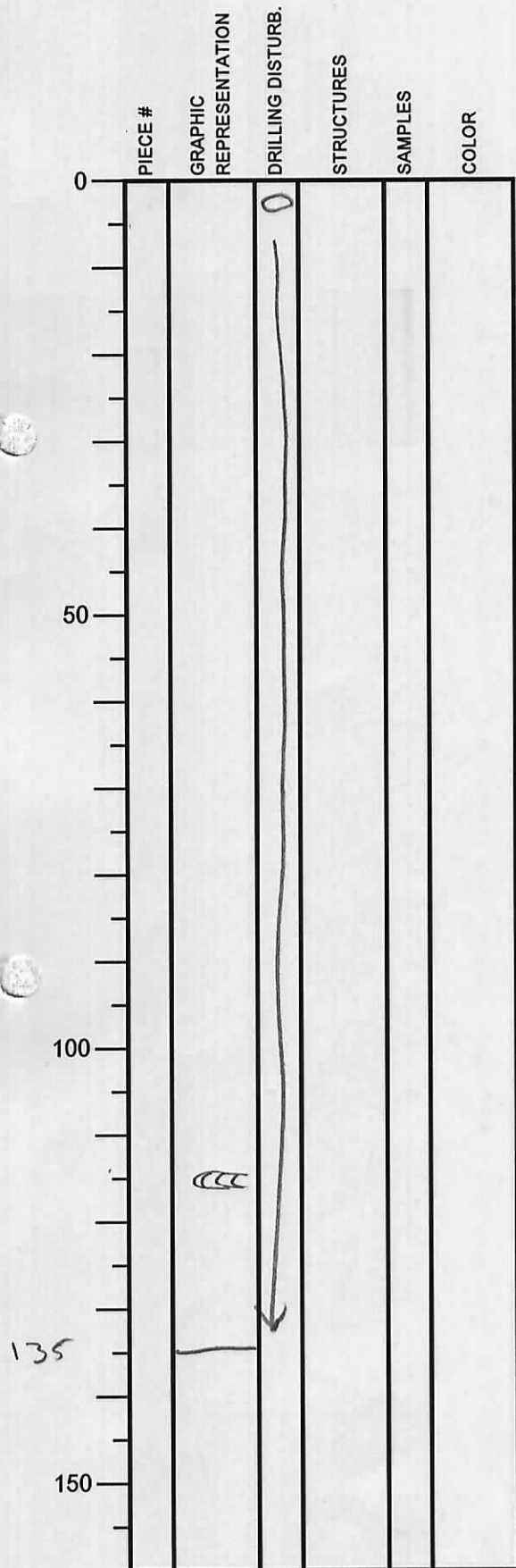
6 reddish banding throughout

105: sand lamina

120-122: fine sand

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/5/ 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 30X
SECTION: 7
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

olive gray silty clay

greenish banding + scattered
chondrites throughout; Chondrites
+ other discrete burrows.

Zoophycos @ 115

Integrated Ocean Drilling Program Visual Core Description

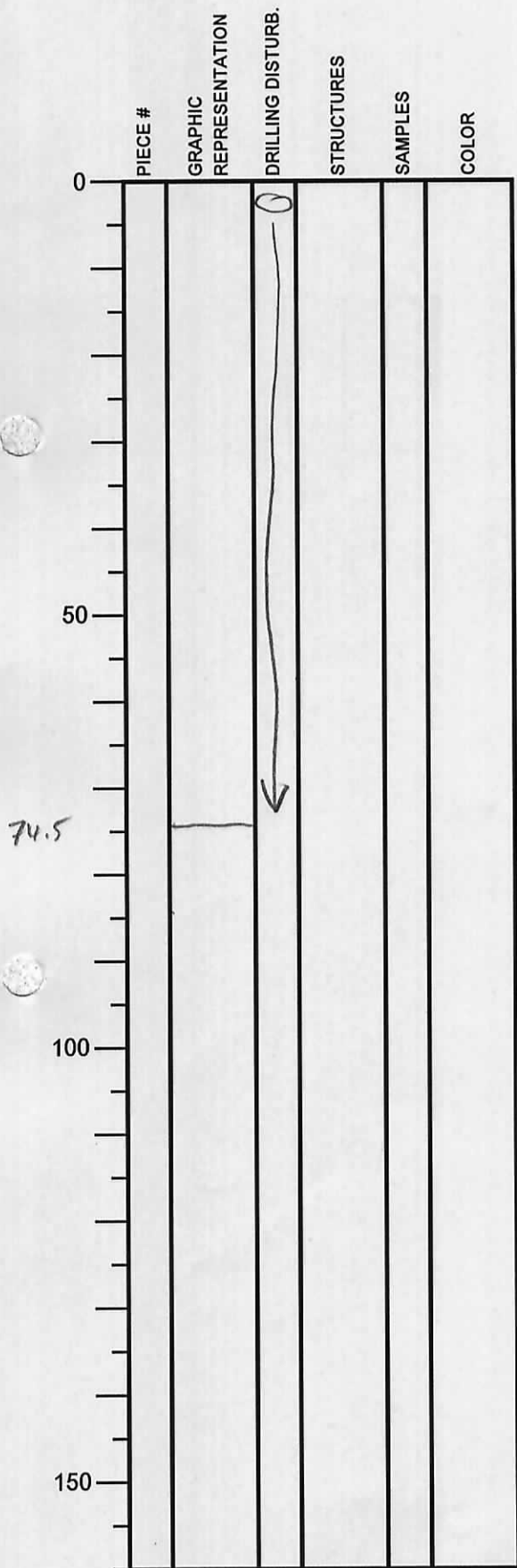
NO.
 DATE: 1/5/ 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 30X
 SECTION: 8
 TOP DEPTH (m CSF):

SECTION DESCRIPTION

OBSERVER:

olive gray silty clay

greenish banding throughout



Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/5/ 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 30X
 SECTION: CC
 TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			☞		
	PAL		☞☞		
50					
100					
150					

SECTION DESCRIPTION

OBSERVER:

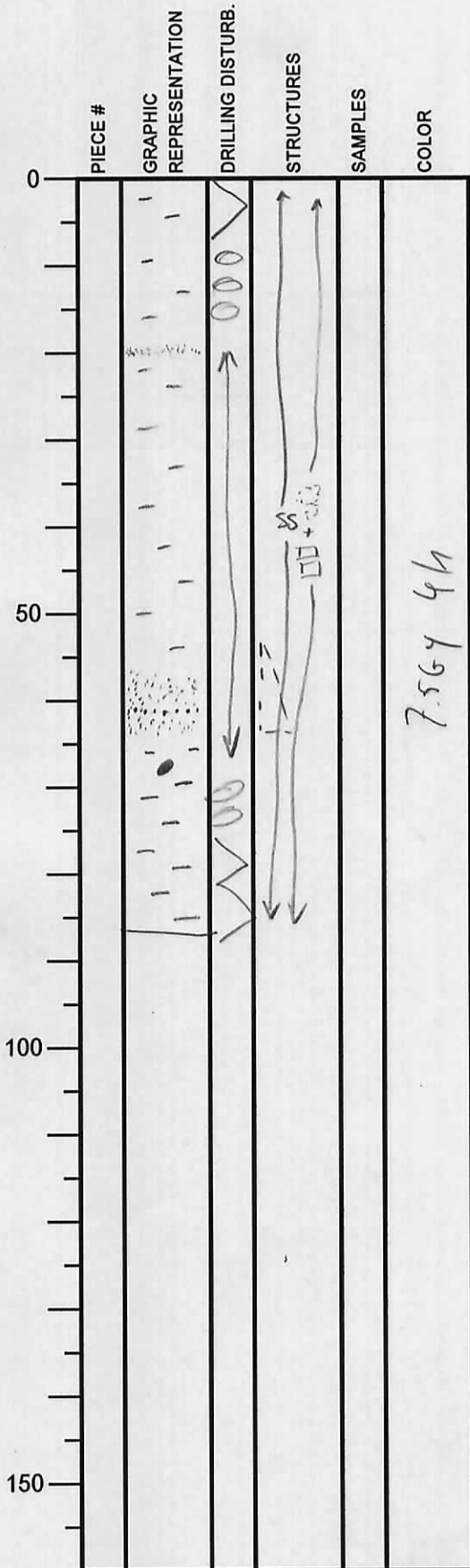
olive gray silty clay

Zoophycos + greenish banding

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/5/ 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 31X
 SECTION: 1
 TOP DEPTH (m CSF):



Tot 86cm
 SECTION DESCRIPTION

OBSERVER:

0-86 cm = silty clay
 medium bioturbated
 + lots of greenish bandy and
 mottling
 very thin (1mm) red laminae
 at 40 cm

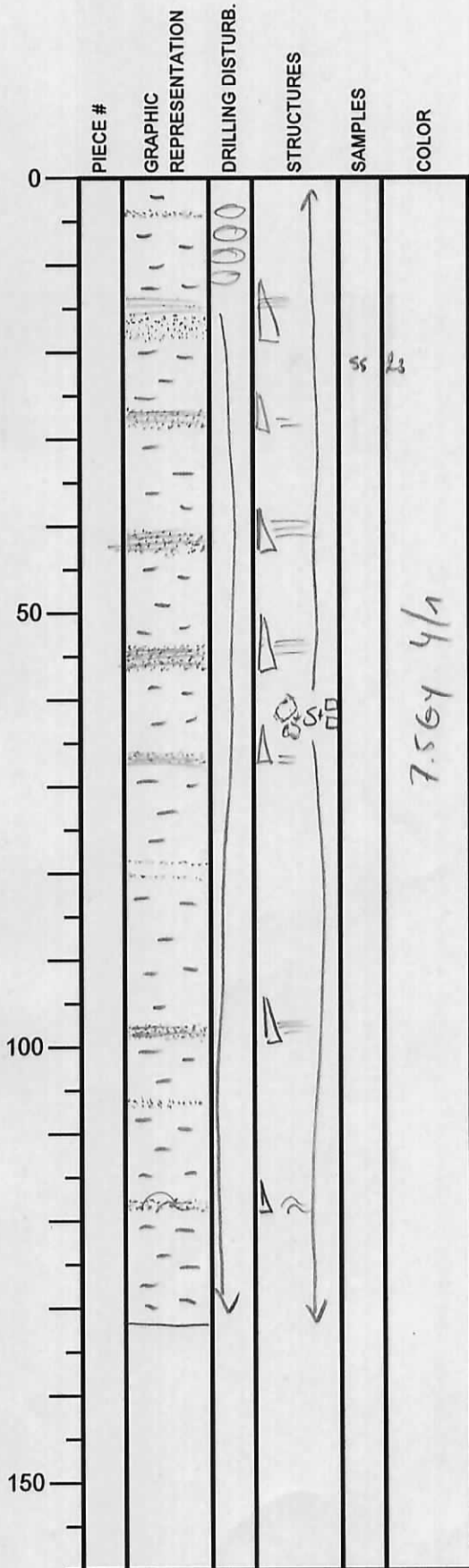
57-64 cm = fine sand with lots of
 green and white/silty
 grains
 → seems to fine upwards, but
 not very clear

67-68 cm = small pebbles of pumice

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/5/ 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 31X
 SECTION: 3
 TOP DEPTH (m CSF):



Tot. 131 cm
 SECTION DESCRIPTION

0-131 cm = silty clay
 with some minor bioturbation
 and moderate green mottling and
 green banding
 mud red layers present

* 4-4.5 cm
 * 15-16 cm = red base of spring upwards
 * 14-15 cm = plane bedding (FU)
 * 26-28 cm = red base of FU
 plane bedding
 * 41-43 cm = red base of FU
 plane bedding
 * 54-56 = red base of FU
 plane bedding
 * 66-67 cm = red base of FU
 plane bedding
 * 78+80 cm = 2 very thin (1mm)
 red laminae
 * 97-98 cm = red base of FU
 plane bedding
 * 106 cm = red laminae
 * 116-117 cm = red base of FU
 wavy bedding

OBSERVER:

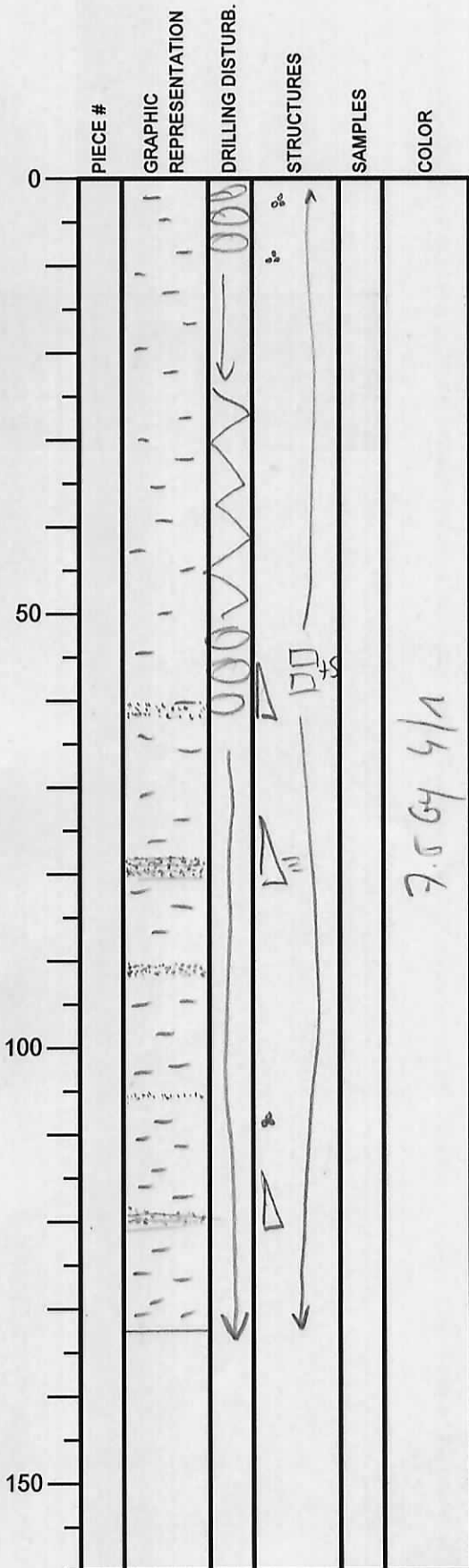
Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/5/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 31X
SECTION: 4
TOP DEPTH (m CSF):

Tot. 132,5 cm

SECTION DESCRIPTION

OBSERVER:



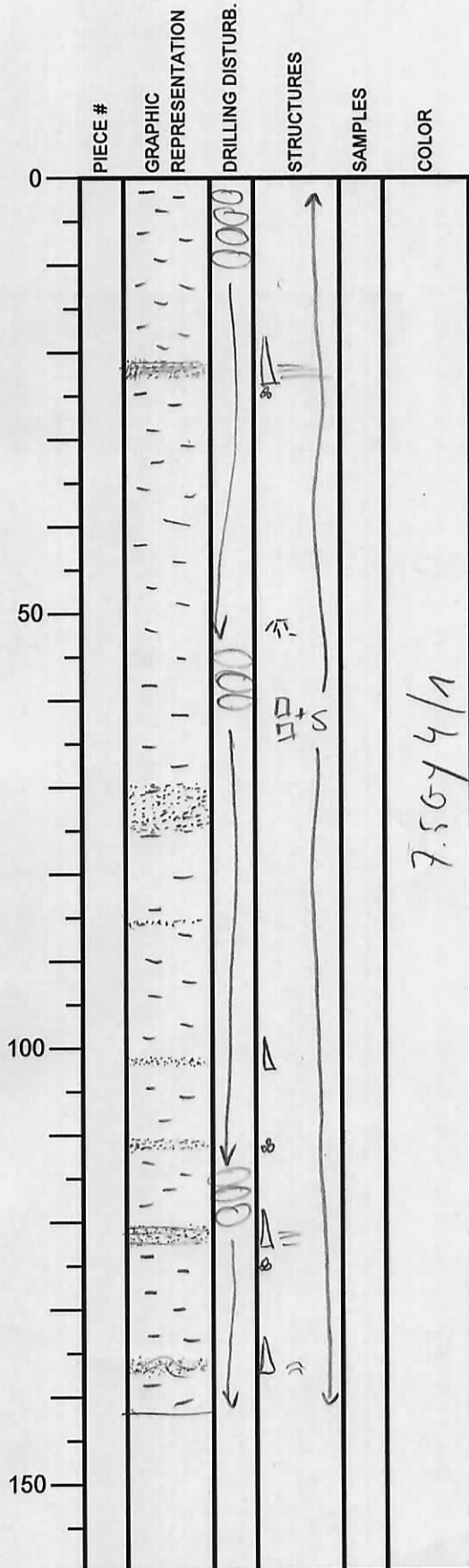
0-132,5 cm = silty clay
mild boturbation
greenish banding
round sand layers
↳ * 61-63 cm = base of fling upward (FU) aqua
* 79-81,5 cm = base of FU plane bedding
* 91-92 cm = sand layer
* 104,5-105,5 cm = disrupted sand layer
* 118,5-120 cm = base of FU plane bedding

ferms: 3cm
10cm
109cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/5/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 31X
 SECTION: 5
 TOP DEPTH (m CSF):



Tot. 141cm
 SECTION DESCRIPTION

0-141cm = silty clay
 mild botulobation (some chardobas)
 greenish banding
 mud red layers
 * 25-23cm = base of fling upwards (FU)
 regular
 plane bedding
 + 69-75cm = greenish very fine sand
 massive
 * 86,5-87cm = red layer
 v 101-101,5cm = base of FU
 * 110-111cm = disrupted red layer
 * 120-122cm = base of FU
 plane bedding
 * 135-136,5cm = base of FU
 wavy bedding

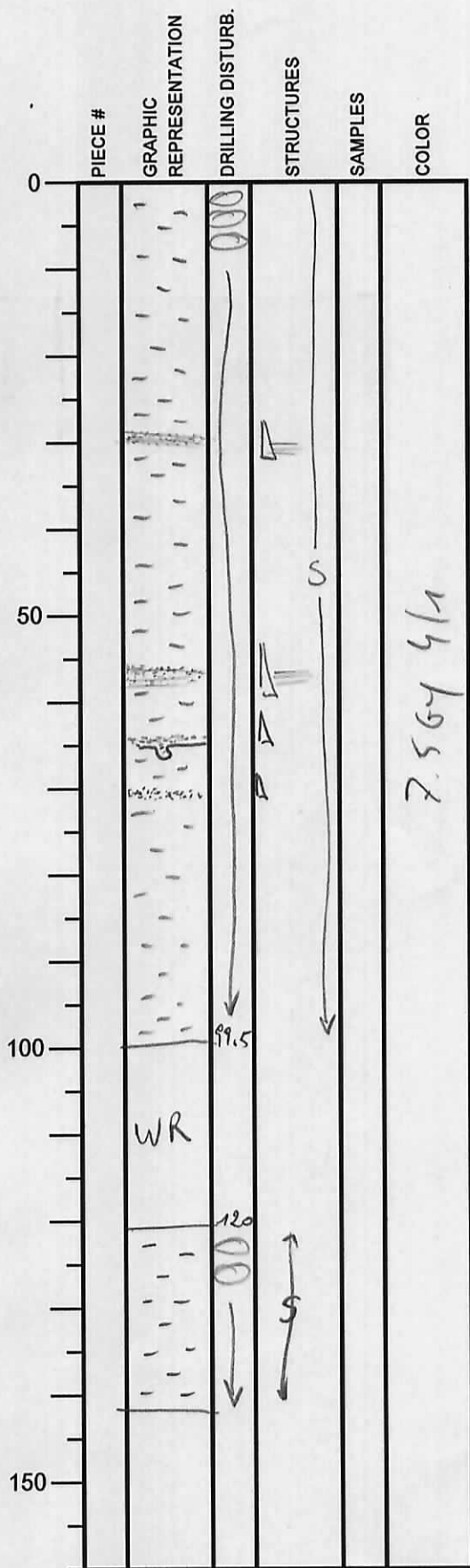
7.5674/1

fauna: 25,5cm
 12cm
 125cm
 chardobas: 50-52cm

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/5/ 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 31X
SECTION: 6
TOP DEPTH (m CSF):



Tot. 141 cm

SECTION DESCRIPTION

OBSERVER:

0-99.5 + 120-141 cm =
 silty clay
 mild bioturbation (= burrows)
 some red layers
 + 28-30 cm = base of fine upwards (FU)
 regular
 plane bedding
 + 55-57 cm = base of FU
 plane bedding
 + 62-64.5 cm = base of FU
 very sharp base = erosive!
 + 69-70 cm = base of FU

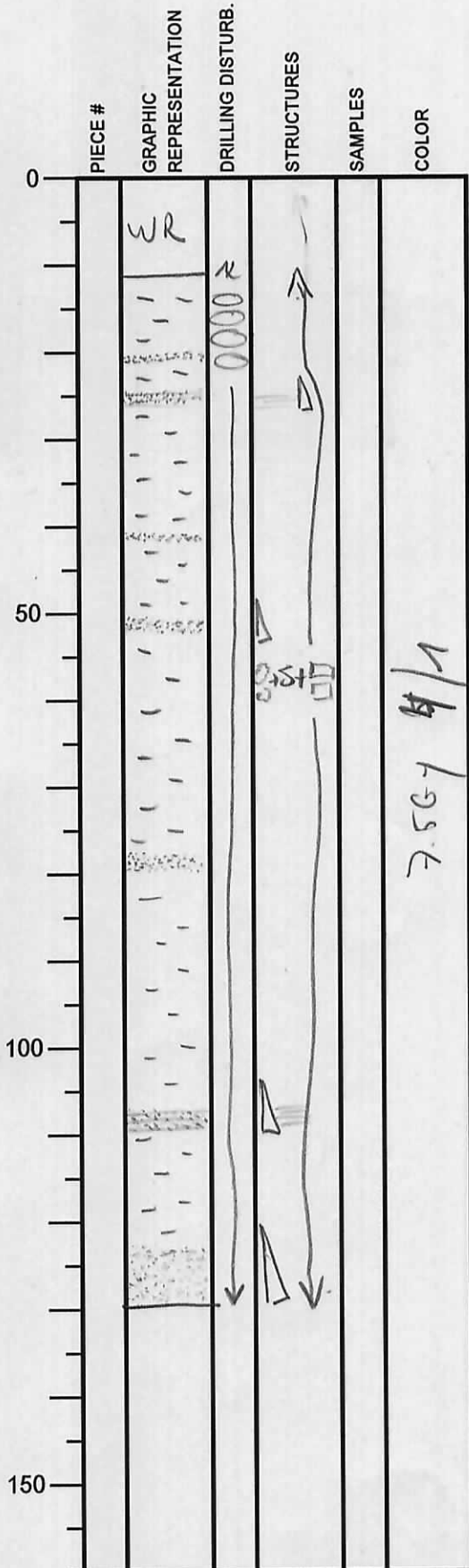
chardites = 52-53 cm

WR = 99.5-120 cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/5/ 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 31X
 SECTION: 7
 TOP DEPTH (m CSF):



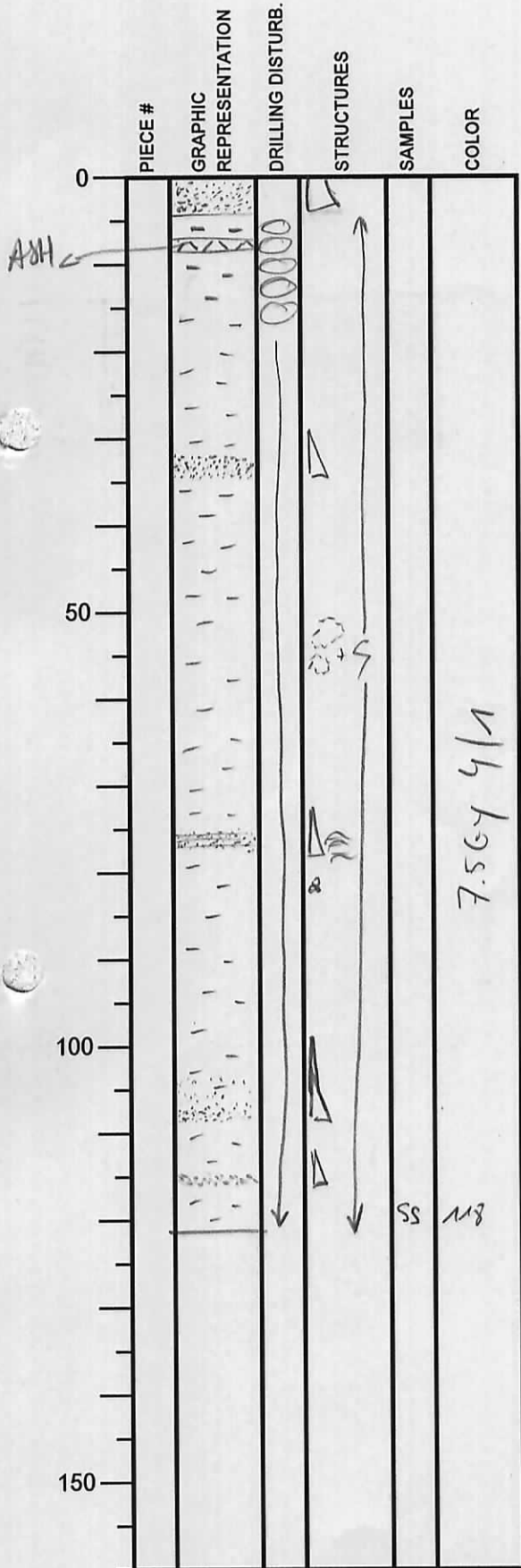
OBSERVER:

0 - 138cm = silty clay
 mild botulotion
 greenish banding + mottling
 sand sand layers

- * 20 - 20.5cm
- * 23 - 25cm = box of fwing upwards (FU) sequa
- * 41 - 42cm
- * 50 - 51.5cm = box of fwing upwards (FU) sequa
- * 77 - 80cm = box of FU sequa
- * 107 - 109cm = box of FU sequa plane bedded
- * 131 - 138cm = massive FU sand

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/5/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 31X
SECTION: 8
TOP DEPTH (m CSF):



Tot. 120cm
SECTION DESCRIPTION

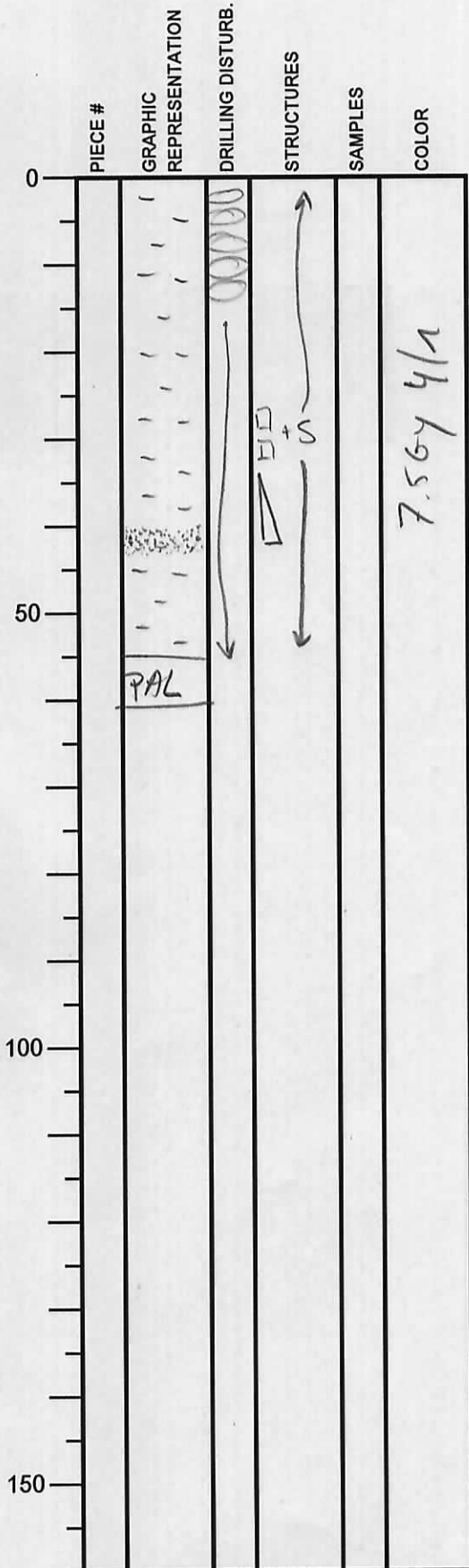
- 0-4cm = sand layer
manide
= base of fine upwards (FU)
sequence of core B-31X-7
at bottom
- 4-120cm = silty clay
mild bedded bottom
greenish mottling
- 7-8cm = white ASH layer
red layers at
- * 32-34cm = base of FU sequence
 - * 75-76,5cm = base of FU sequence
wavy bedding
 - * 102,5-107cm = base of FU sequence
 - * 114-116cm = base of FU sequence

OBSERVER:

for core = 82cm

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/5/2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 31X
SECTION: CC
TOP DEPTH (m CSF):



Tot. = 59,5 cm

SECTION DESCRIPTION

0-54,5 cm = silty clay
mild botulization
greenish banding
40-43 cm = hard layer = base of
gluing upwards sequence

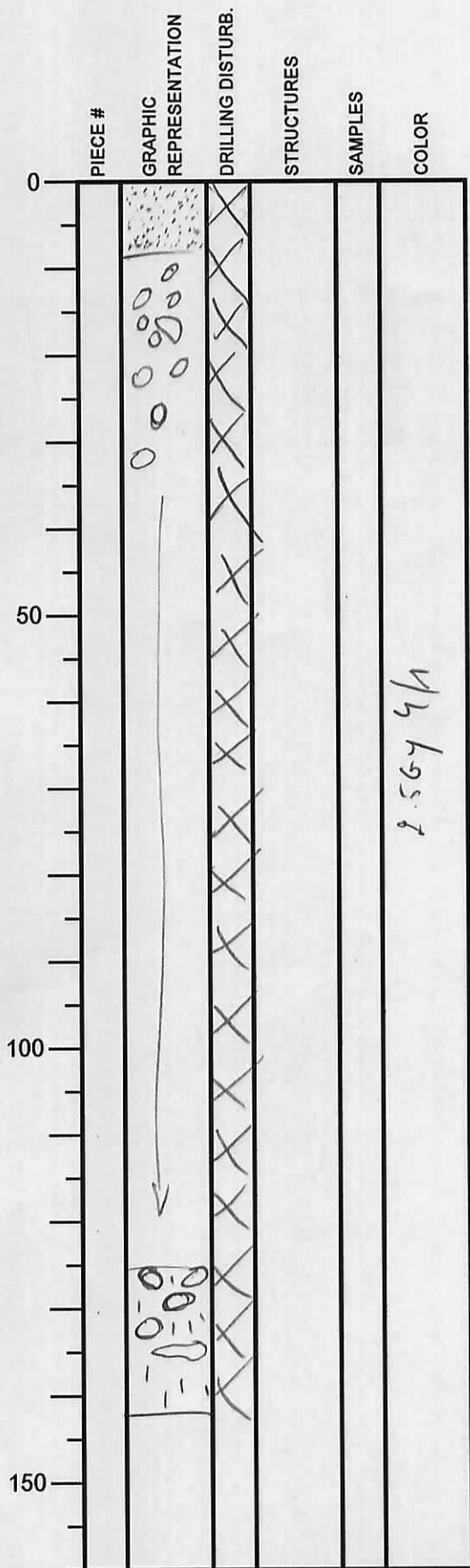
OBSERVER:

PAL = 54,5 - 59,5 cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/5/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 32X
 SECTION: 1
 TOP DEPTH (m CSF):



Tot. 143cm
 SECTION DESCRIPTION

OBSERVER:

0-8cm = fine to medium sand
 matrix

8-124cm = drilling success
 2-3cm pieces of silty claystone
 all in a matrix of finely grained
 silty clay + drill mud

124-143 cm = clayey silt with
 pieces (2-3cm) of silty claystone

**Integrated Ocean Drilling Program
Visual Core Description**

NO.
DATE: 1/5/ 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 32X
SECTION: CC
TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0	HS				
0-36	-	000000	↑	10 ^{SS}	4/1
36-41	PAL	W	SS ↓		2.5G
50					
100					
150					

Tot. 41cm
SECTION DESCRIPTION

HS = 0-4 cm
4-36 cm = silty clay
medium disturbance

OBSERVER:

PAL = 36-41 cm

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 1/5/ 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 33X
SECTION: 1
TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		↑	○			
50						
100						
141			↓			
150						

SECTION DESCRIPTION

small frags?

dk olive gray silty clay 2.5G 4/1

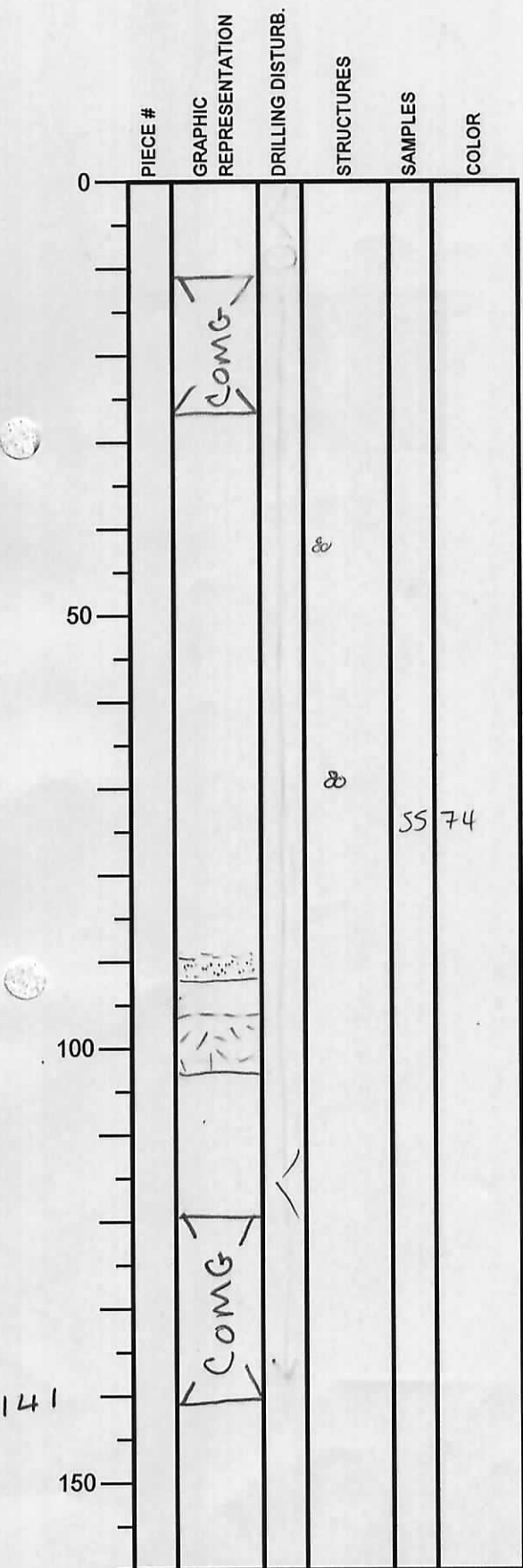
chondrites + other discrete
burrows throughout
greenish color bands

OBSERVER:

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/5/ 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 33X
 SECTION: 2
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

dk olive gray silty clay

bisquitting minor!

agglutinate
 greenish color banding
 Chondrites

agglutinate

SS 74

fine sd.

fine ash


discrete burrows 100-110 ss

Integrated Ocean Drilling Program

Visual Core Description

NO. _____
 DATE: 1/5/ 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 33X
 SECTION: }
 TOP DEPTH (m CSF):

OBSERVER:

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100						
105						
150						

SECTION DESCRIPTION

dk olive gray silty clay

bisquits mineral!

chondrites + greenish color bands

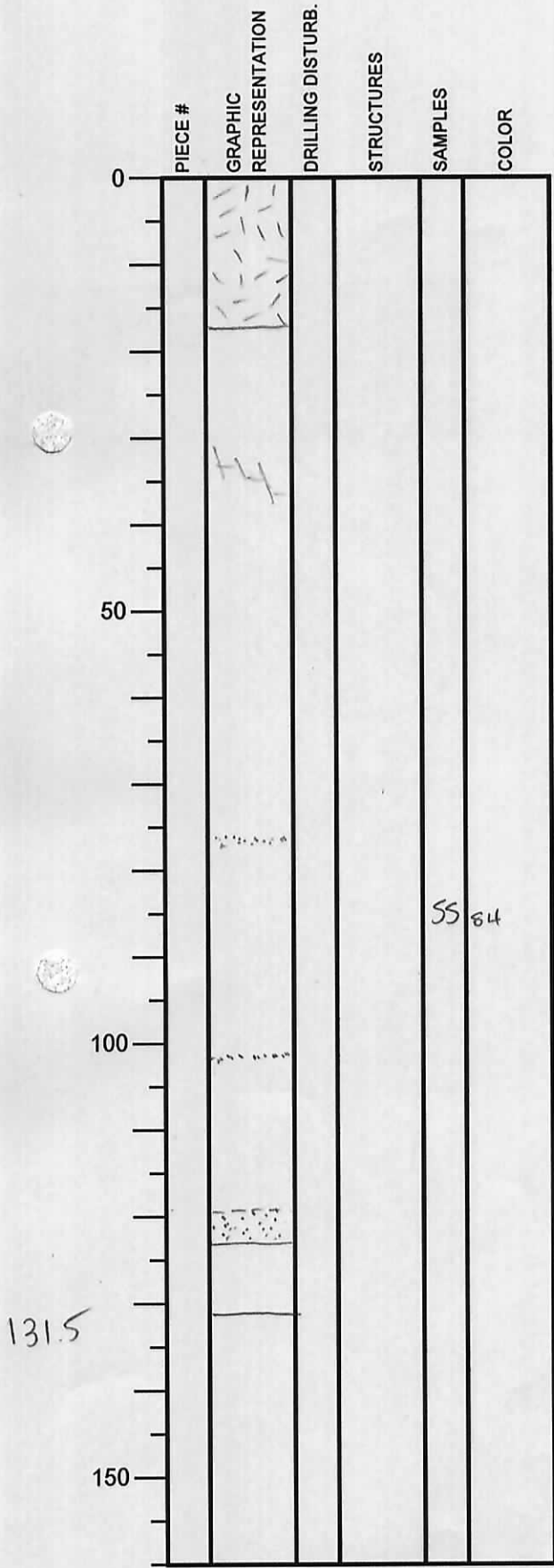
silt lamina

sd lamina
 v. fine sand
 fine ash

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/5/ 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 33X
 SECTION: 4
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

fine ash

dk olive gray silty clay

small faults

greenish color bands, Chondrites,
 Zoophytes, + other discrete
 burrows

sd laminae

SS 84

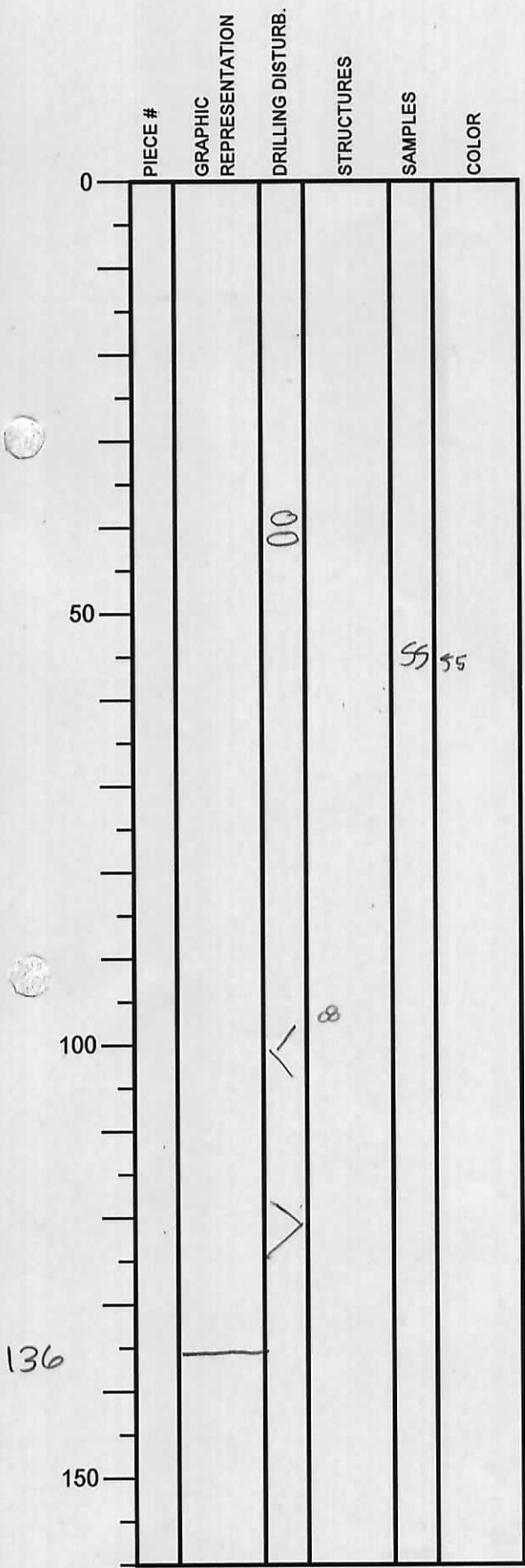
sd laminae

v fine sd

131.5

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/5/ 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 33X
 SECTION: 5
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

dk olive gray silty clay

chondrites, Zoophycos, + other discrete burrows throughout -

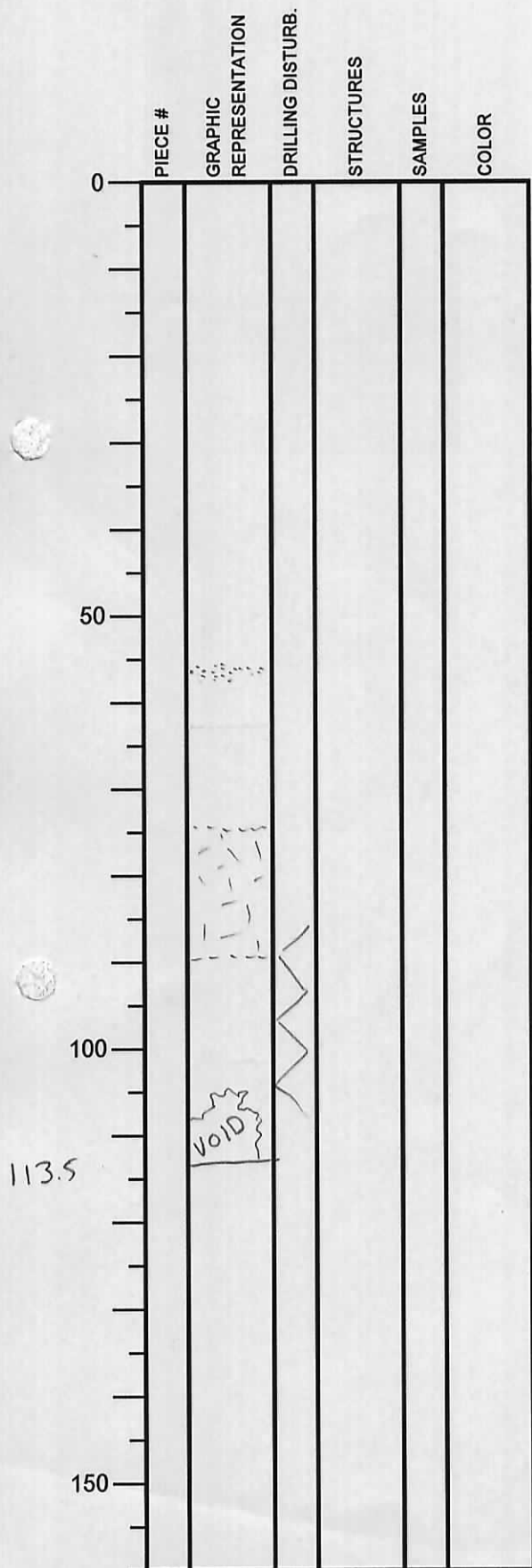
greenish color banding

agglutinate

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/5/ 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 33X
 SECTION: 6
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

dk olivegray silty clay
 chondrites, Zoophycos, tother discrete
 burrows; greenish color bands

v fine sd

fine ash

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 1/5/ 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 33X
 SECTION: 8
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			0			
42			↙			
50						
100						
150						

SECTION DESCRIPTION

OBSERVER:

dk olive gray silty clay

Chondrites, Zoophycos,

greenish color bands

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 1/5/2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 33X
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		VOID	~			
35		PAL	~			
50						
100						
150						

SECTION DESCRIPTION

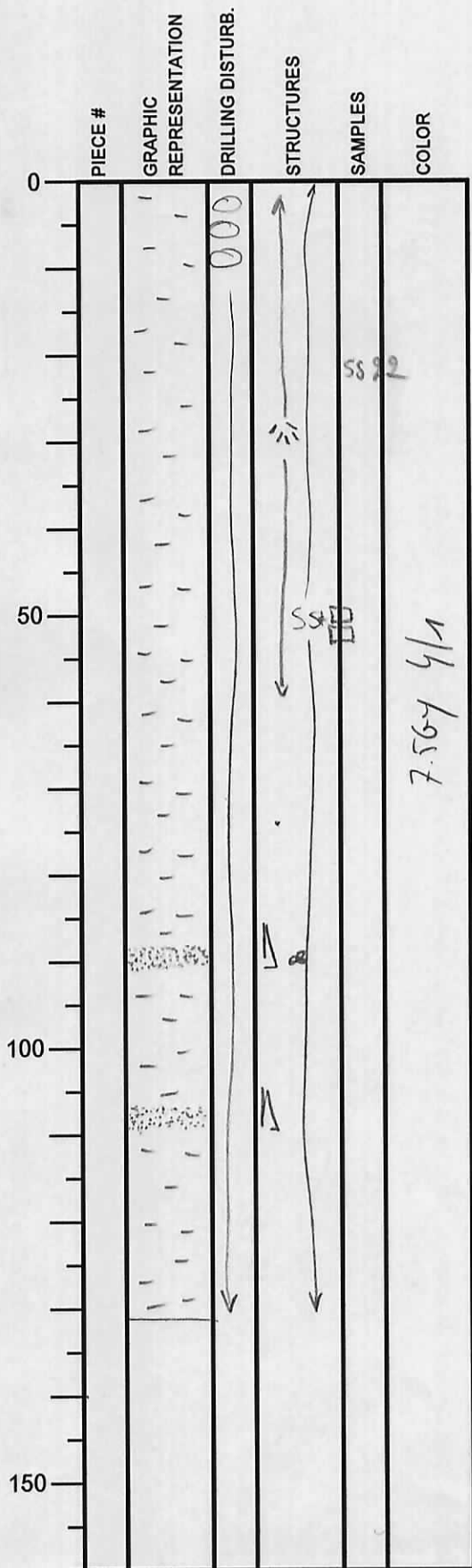
OBSERVER:

dk olive gray silty clay
 chondrites, Zoophycos,
 greenish color bands

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 05 / 01 / 20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 34X
 SECTION: 1
 TOP DEPTH (m CSF):



Tot. 131 cm
 SECTION DESCRIPTION

OBSERVER:

0 - 131 cm = silty clay
 medium boturbation
 = lots of burrows
 +
 chondrites: 0 - 62 cm

going upwards requires from
 very fine sand to silty clay
 sand base at
 * 90-91 cm
 → some forams
 * 106-108 cm

7.564 5/1

Integrated Ocean Drilling Program

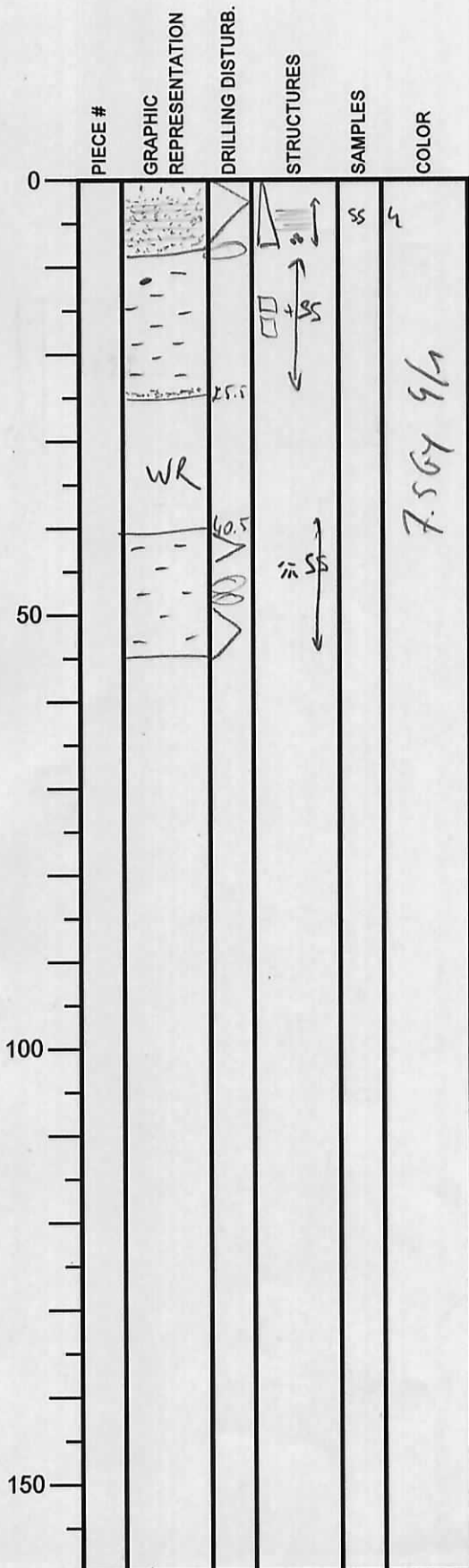
Visual Core Description

NO.
 DATE: 05 / 01 / 20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 34X
 SECTION: 2
 TOP DEPTH (m CSF):

Tot. 54cm

SECTION DESCRIPTION

OBSERVER:



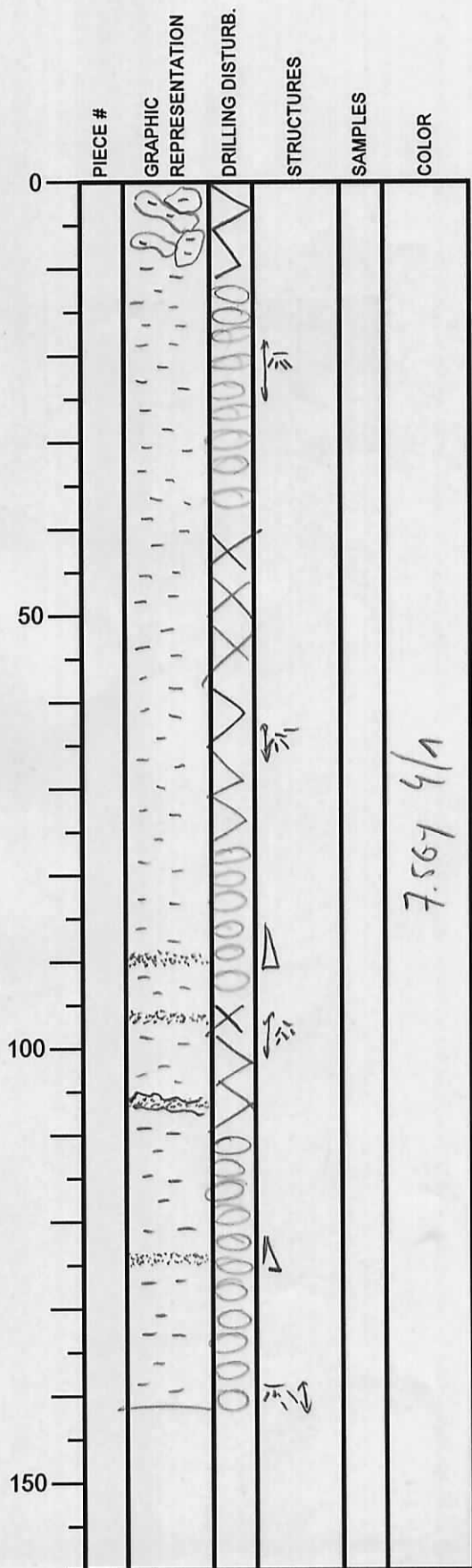
0-8cm = fine up to as require
 from very fine bleed red with
 some fens to silt
 plane beddy 1.5-8cm
 8-25cm = silty clay
 medium boturbation
 green beddy
 25-25.5cm = sand clay
 40.5-54cm = silty clay
 medium boturbation
 chondrites at 46-47cm

WR = 25.5 - 25.5 cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 05 / 01 / 20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 34X
 SECTION: 4
 TOP DEPTH (m CSF):



Total 140,5 cm

SECTION DESCRIPTION

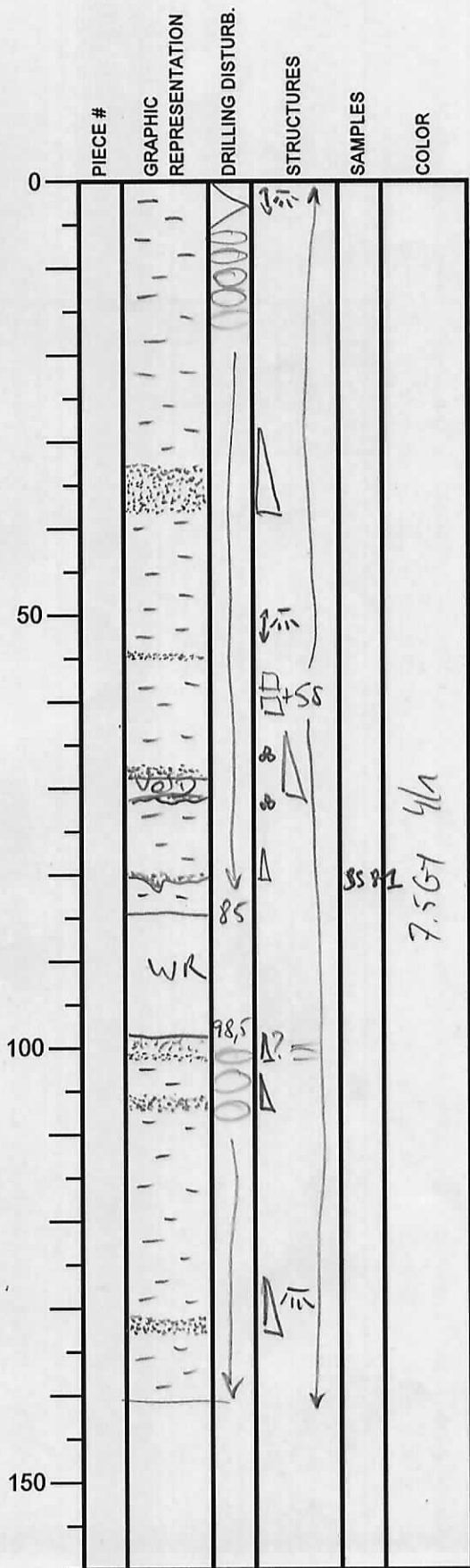
0 - 140,5 cm = silty clay
 medium to distribution
 several sandstones (see below)
 several sand layers = fine (very), med, red
 ↳ * 89-90 cm = box of fine upwards (FU) sequence
 * 97-98 cm
 * 105,5 - 108 cm = very irregular top + box
 * 124-125 cm = box of FU sequence
 sandstones: 29-34 cm
 64-67 cm
 138-140,5 cm
 99-103 cm

OBSERVER:

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 05 / 01 / 20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 34X
 SECTION: 5
 TOP DEPTH (m CSF):



Tot. 140cm
 SECTION DESCRIPTION

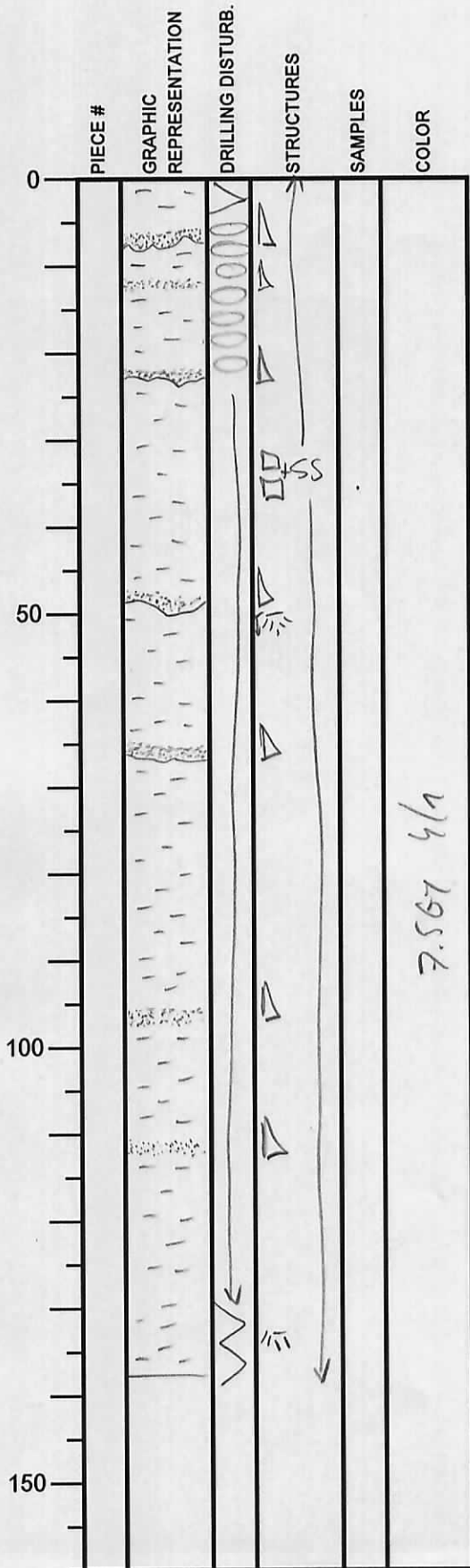
0-140cm = silty clay
 medium disturbance
 = burrows + chondrites (see below)
 greenish bedding
 red layers = very fine red
 ↳ 34-40cm = base of fine grained, (FU) sequence
 ↳ very vague basal boundary
 55-55.5cm
 68-71cm (action void) =
 base of FU sequence
 irregular base
 79.5-80cm = base of FU sequence
 rounded base
 99-101cm = probably base of FU
 sequence, plane bedded
 105-106cm = base of FU sequence
 131.5-133cm = base of FU sequence
 chondrites = 3-5cm
 52-55cm
 129-131cm
 forams = 67.5cm
 71cm

WR = 85 - 98.5cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 05 / 01 / 20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 34X
 SECTION: **6**
 TOP DEPTH (m CSF):



Tot. 138 cm
 SECTION DESCRIPTION

OBSERVER:

0-138cm = silty clay
 medium hydration + greenish banding
 = burrowing + chardokes (see below)

red layers (- very fine sand) at
 ↳ * 7-8cm = fining upwards (FU) sequence
 = basal layer
 ↳ scoured box

* 12-13cm = base of FU sequence
 ↳ scoured box

* 22-23cm = base of FU sequence
 ↳ scoured box

* 47-48cm = base of FU sequence
 ↳ scoured box

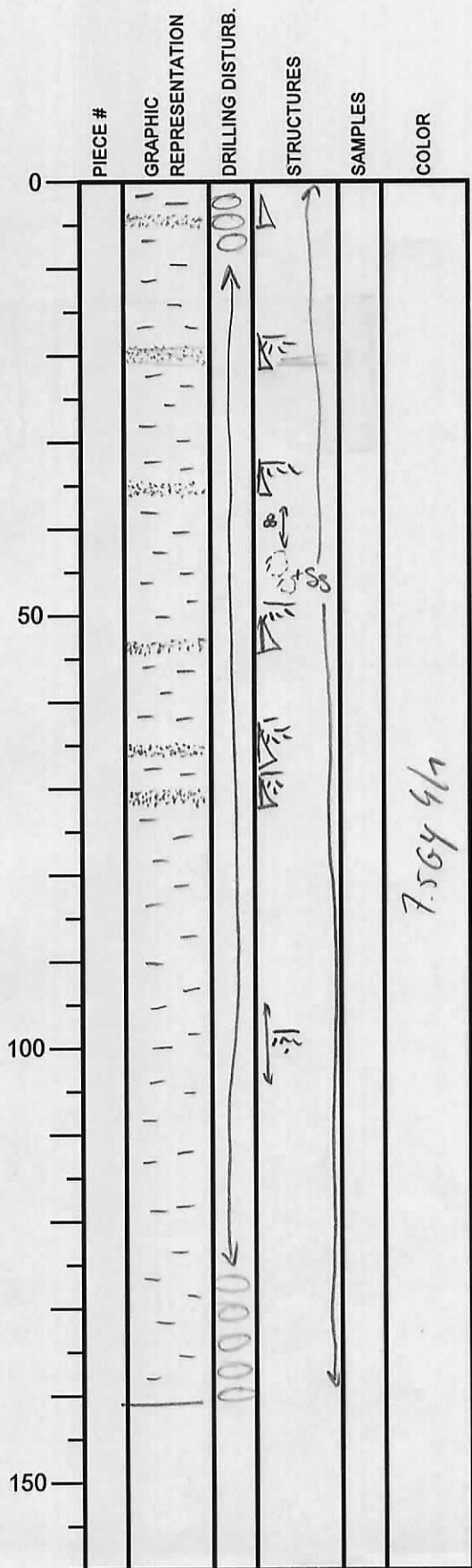
* 65-66cm = base of FU sequence
 ↳ irregular box

* 96-98cm = base of FU sequence
 ↳ 111-113cm = base of FU sequence

chardokes: 50-52cm
 134-135cm

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 05 / 01 / 20
EXP.: 338
SITE/HOLE: C0022B
CORE: 34X
SECTION: 7
TOP DEPTH (m CSF):

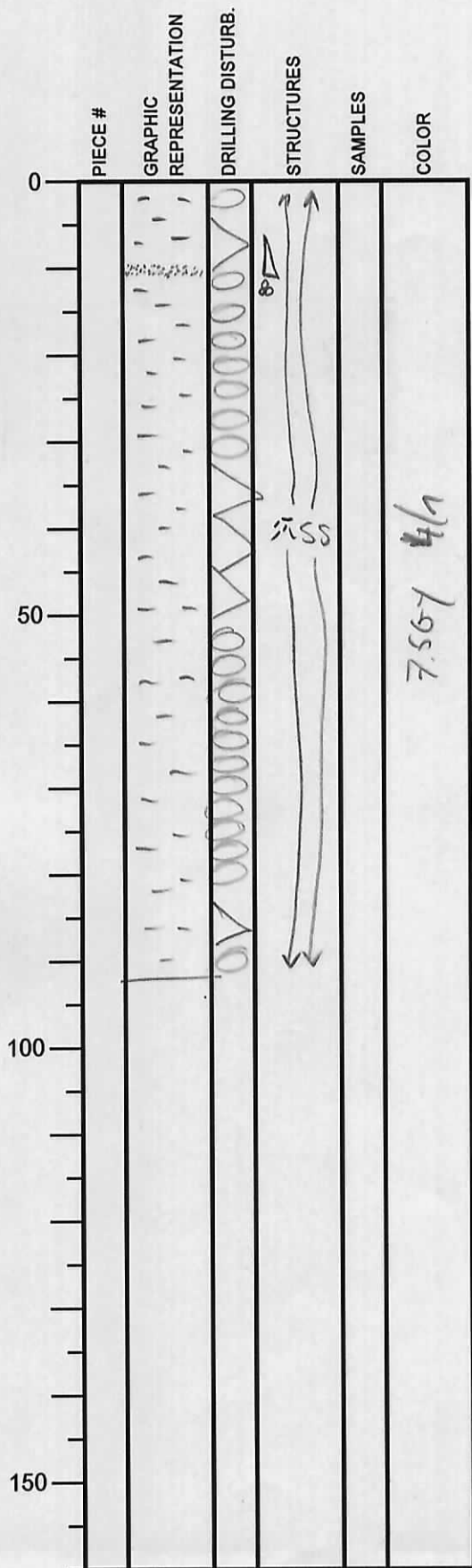


Tot. 140cm
SECTION DESCRIPTION

0 - 140 cm = silty clay
medium boturbation
and greenish mottling
chondrites = 18-19cm 95-100cm
31-33cm
50-52cm
62-64cm
67-70cm
red = very fine sand
layers at
↳ * 5.5-6.5cm = base of fine upwards
sequence (FUS)
* 19.5-21cm = base of FUS
planar bedding
* 34-36cm = base of FUS
* 52-54cm = base of FUS
* 65-66cm = base of FUS
* 70-73cm = base of FUS

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 05 / 01 / 20
EXP.: 338
SITE/HOLE: C0022B
CORE: 34X
SECTION: 8
TOP DEPTH (m CSF):



Tot. 93 cm

SECTION DESCRIPTION

0-93 cm = silty clay
medium *Uretinella*
traces of burrows + clardisks
present over entire section

forams at 13 cm

hard layer 9-10 cm = base of
flint upwards regular

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 05 / 01 / 20
EXP.: 338
SITE/HOLE: C0022B
CORE: 34X
SECTION: CC
TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					<p>7.5GY 4/4</p>
50					
100					
150					

Tot. 25,5cm

SECTION DESCRIPTION

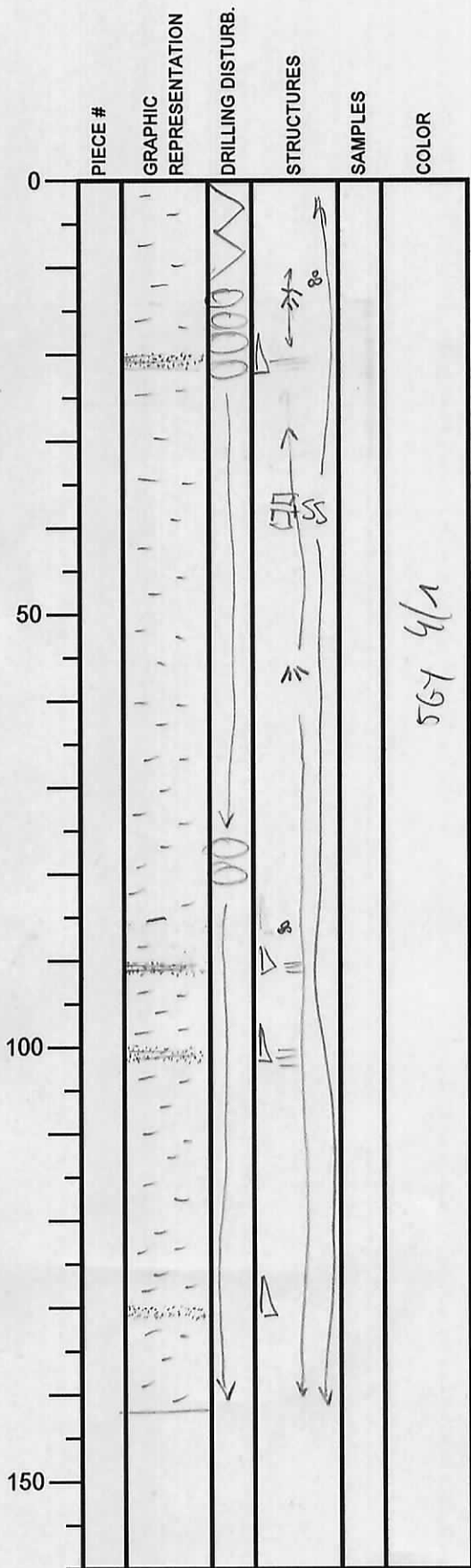
0-20,5cm = silt, clay
medium botulization
+ greenish mottling
chlorides are spread over entire
section
faded at 10cm
sand layer 7-8cm
= base of fine upward
sequence

OBSERVER:

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 05 / 01 / 20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 35X
 SECTION: 1
 TOP DEPTH (m CSF):



Tot. 141 cm

SECTION DESCRIPTION

0-141 cm = silty clay (olive grey)
 medium to coarse sand
 clonolites = 10-20 cm
 = 31-141 cm
 greenish colour banding
 several flake upwards sequences
 starting with very fine red
 layer

OBSERVER:

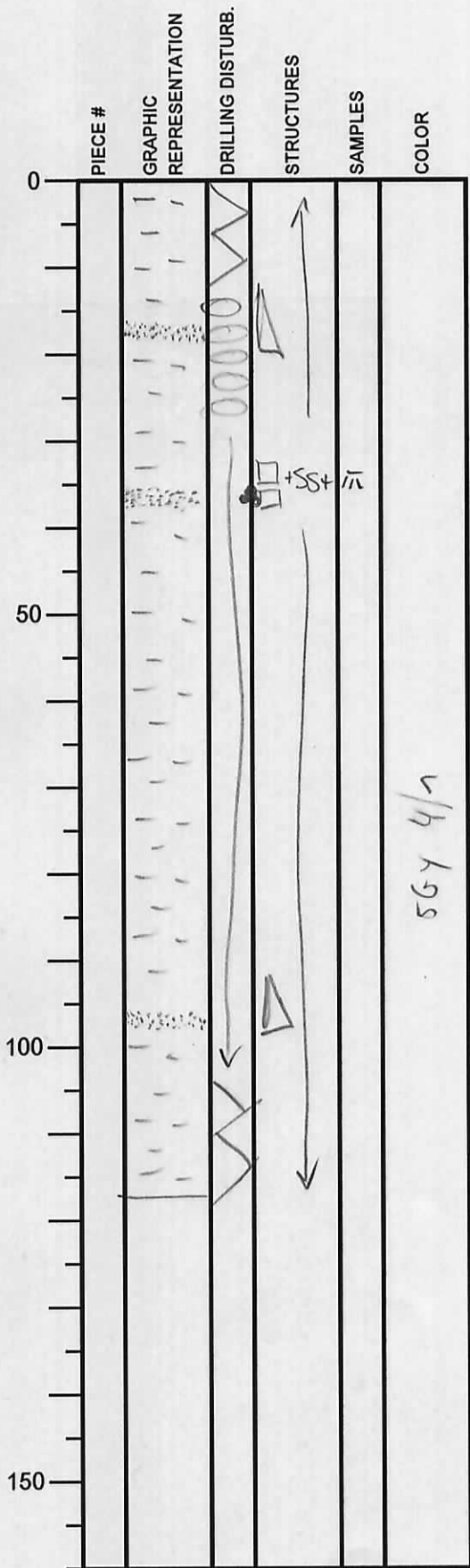
- ins box = red - at
- * 20-21 cm: plane bedding
 - * 90,5-91 cm: plane bedding
 - * 100-101 cm: plane bedding
 - * 129-130 cm

iron at - 85 cm
 - 12-13 cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 05 / 01 / 20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 35X
 SECTION: 2
 TOP DEPTH (m CSF):



Tot. 116 cm
 SECTION DESCRIPTION

OBSERVER:

0-116 cm = blue gray silty clay
 medium botanoidal (lenticles)
 loadsheds present throughout entire
 section
 greenish color banding

fling upwards sequence
 → sand box at 16-17 cm

sand layer at 35-37 cm

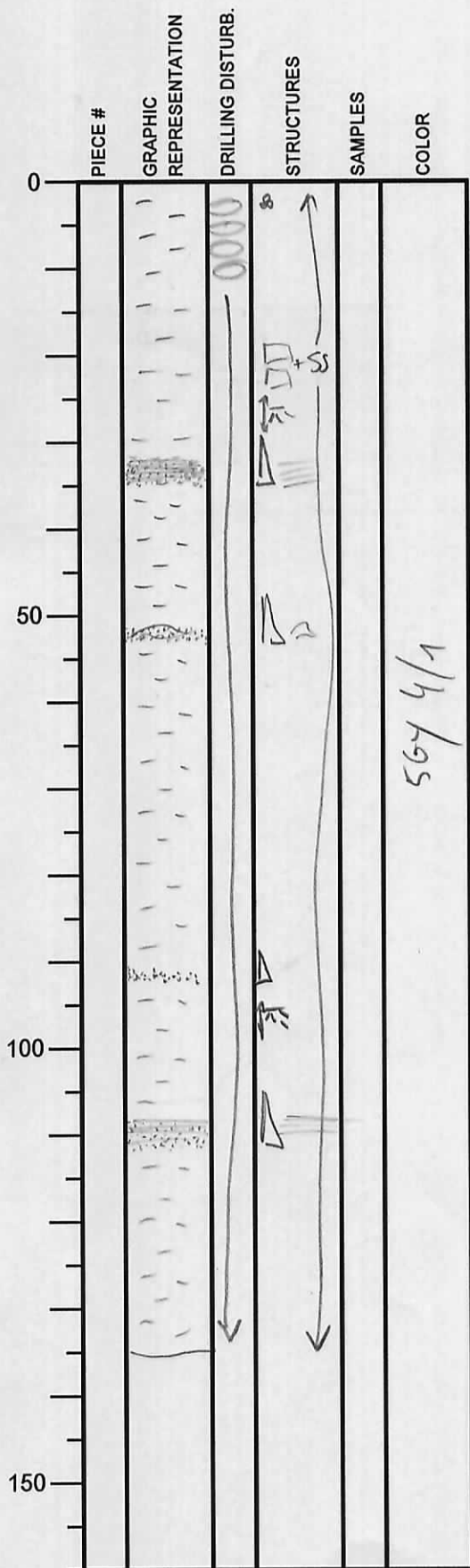
fling upwards sequence
 → sand box at 95-96 cm

Janam = 35,5 cm = eggshelled tube

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 05 / 01 / 20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 35X
 SECTION: 3
 TOP DEPTH (m CSF):



Tot. 135 cm
 SECTION DESCRIPTION

OBSERVER:

0-135 cm = olive grey silty clay
 medium water content
 (some chondrites: see below)
 greenish colour banding

fining upwards sequences from
 very fine sand to silty clay
 starting with sand base at

- * 33-36 cm = plane bedding
- * 53,5-54,5 cm = wavy bedding
- * 90,5-93 cm = massive
- * 108,5-112,5 cm = plane bedding

chondrites: 26-28 cm
 99-100 cm

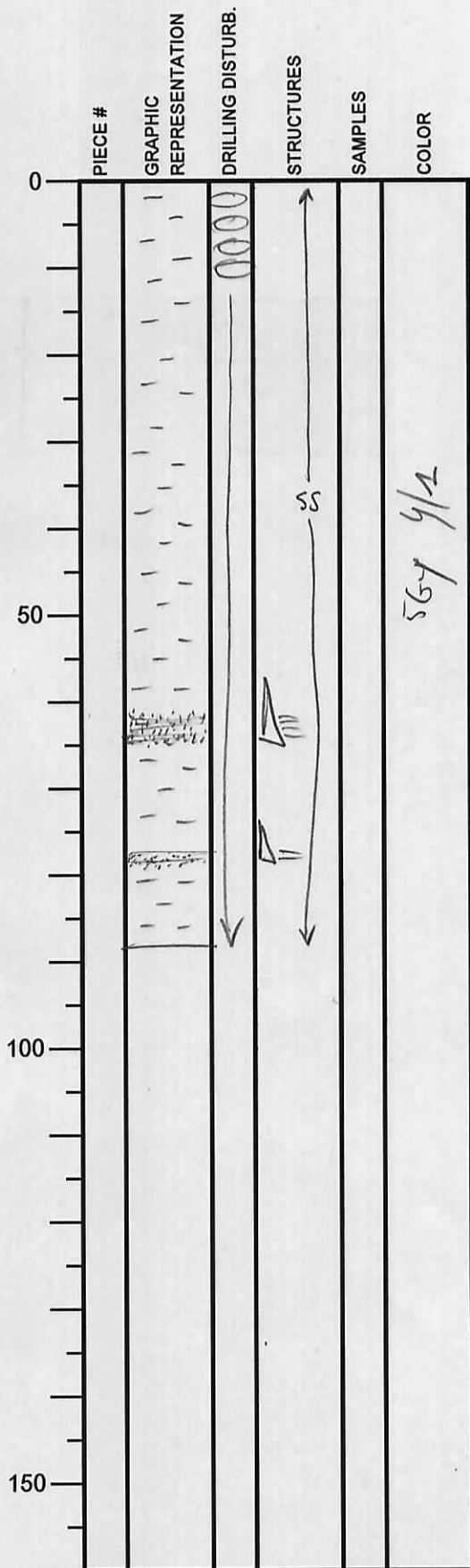
foram: 4,5 cm

5674/1

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 05 / 01 / 20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 35X
 SECTION: 4
 TOP DEPTH (m CSF):



Tot. 88cm

SECTION DESCRIPTION

OBSERVER:

0-88cm = olive grey silty clay
 medium heteroturbation

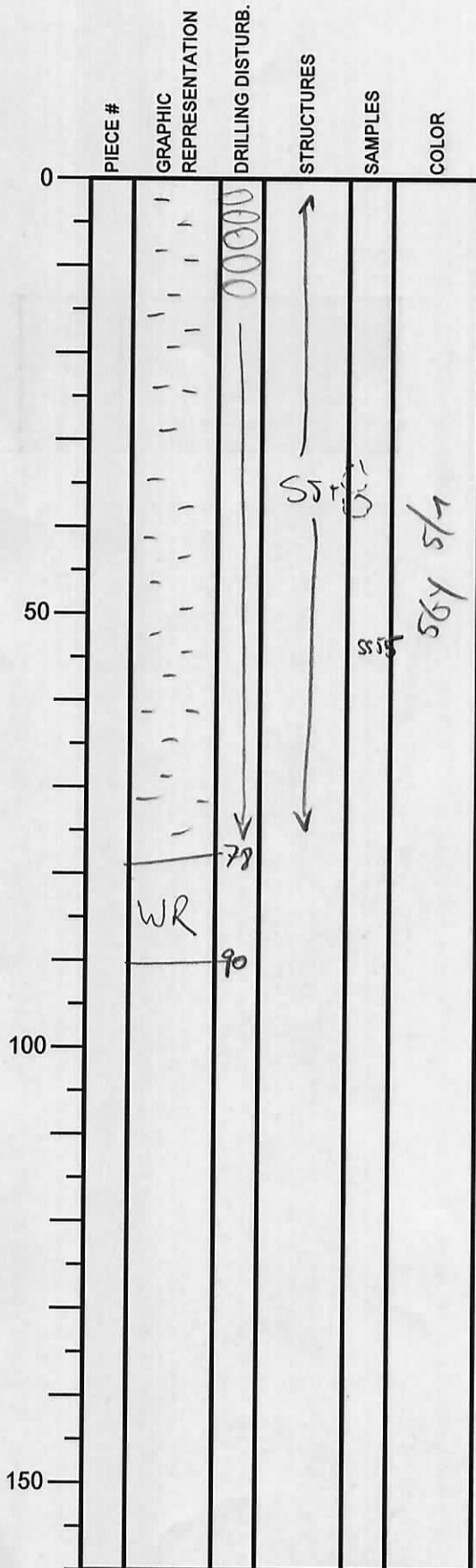
fining upwards sequences from very
 fine sand to silty clay
 sand base at

↳ 61.5-64cm = planar bedding

78-79cm = planar bedding

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 05 / 01 / 20
EXP.: 338
SITE/HOLE: C0022B
CORE: 35X
SECTION: 6
TOP DEPTH (m CSF):



Tot. 90cm

SECTION DESCRIPTION

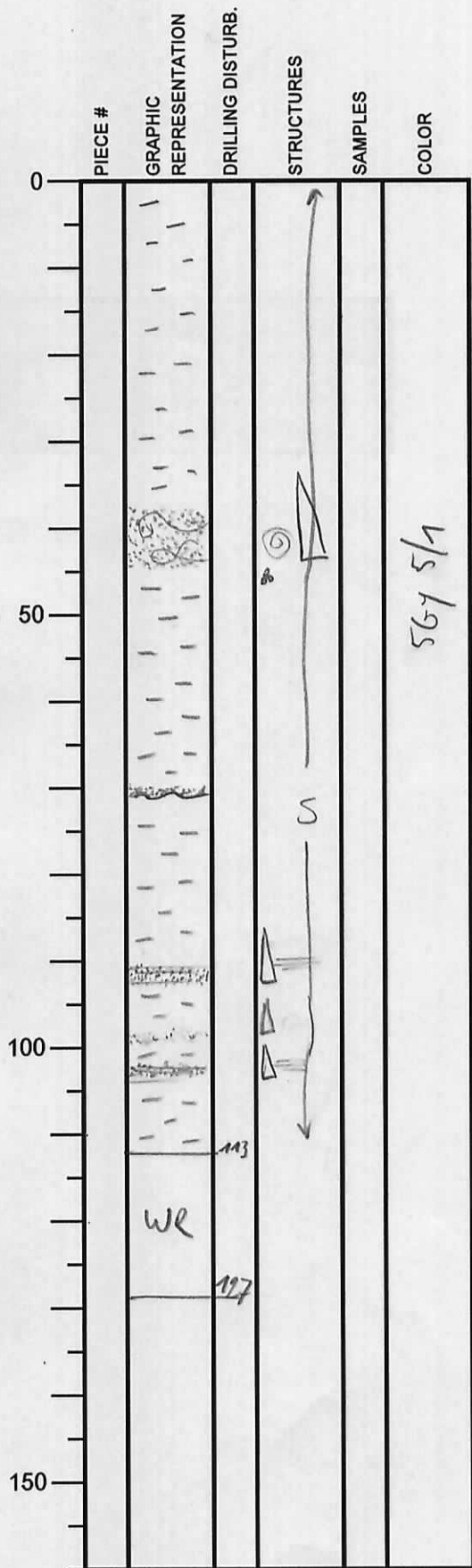
OBSERVER:

*0-78cm = dove gray silty clay
medium consolidation
(many burrows)
greenish mottled*

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 05 / 01 / 20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 35X
 SECTION: 7
 TOP DEPTH (m CSF):



Top. 127 cm

SECTION DESCRIPTION

OBSERVER:

0-113 cm = olive grey silty clay
 minor boturbation
 = some swarming
 fine upwards sequences from
 very fine sand to silty clay
 sand base at
 ↳ * 36-45 cm = chaotic bedding
 * 70-71 cm
 ↳ erode box
 * 90.5-92 cm = plane bedding
 * 99-100 cm
 ↳ 103-104 cm = wavy bedding

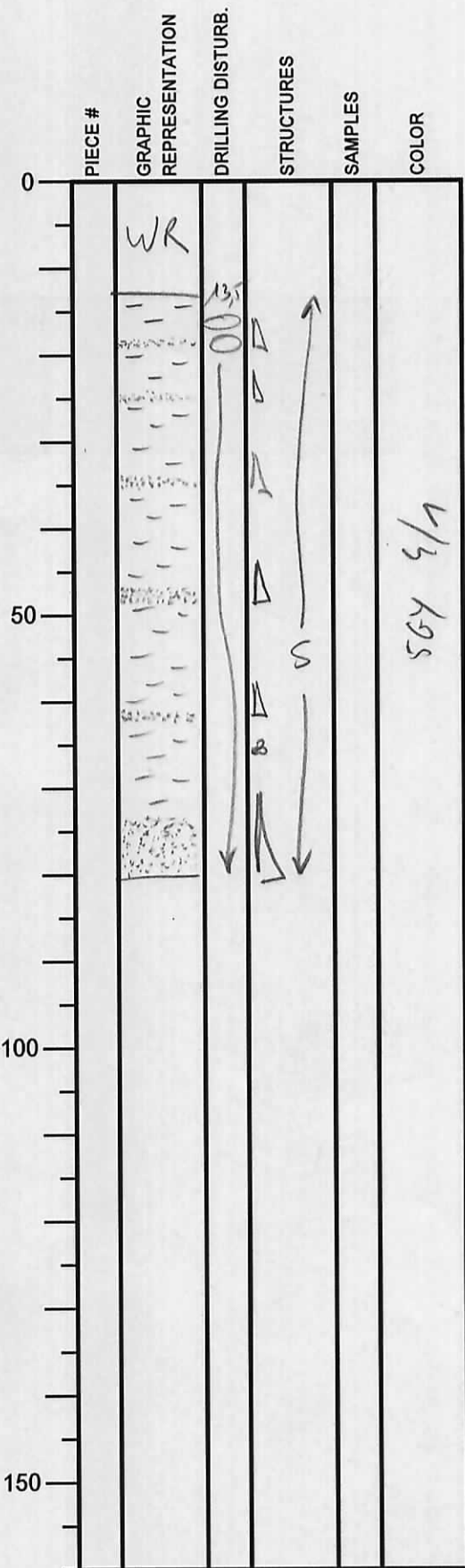
from 46 cm

WR = 113-127 cm

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 05 / 01 / 20
EXP.: 338
SITE/HOLE: C0022B
CORE: 35X
SECTION: 8
TOP DEPTH (m CSF):

Tot. 80cm



SECTION DESCRIPTION

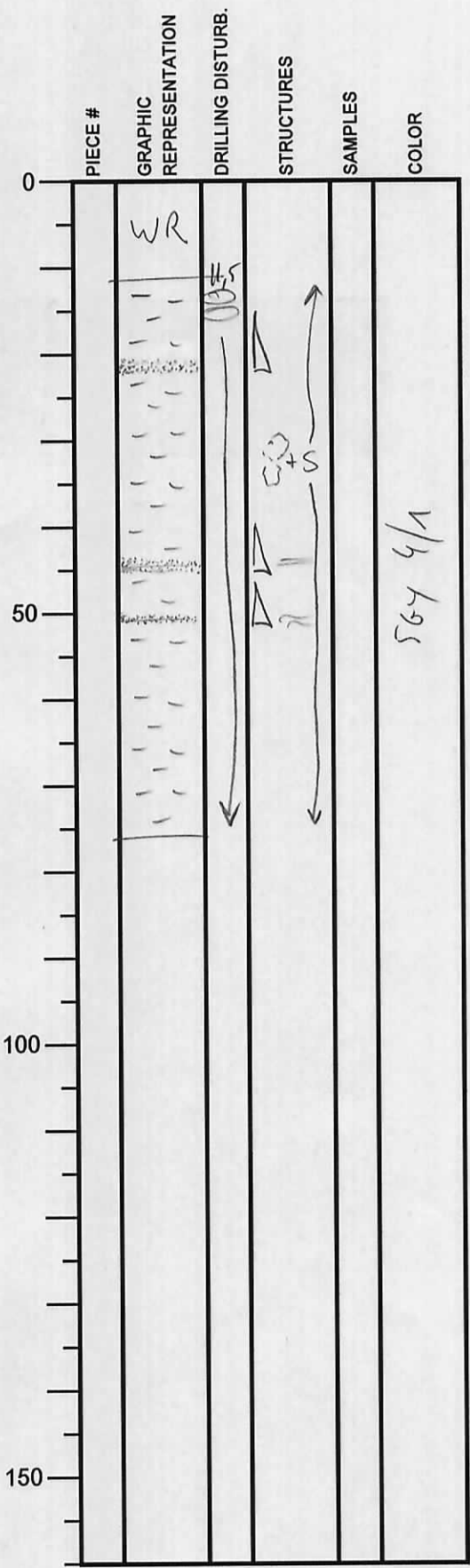
OBSERVER:

WR = 0 - 13,5 cm
 13,5 - 80cm = olive gray silty clay
 minor lamination
 fining upwards sequences from very
 fine sand to silty clay
 sand base at
 * 18-19cm
 * 24-25cm
 * 34-35cm
 * 47-49cm
 * 61-62cm
 * 74-80cm

for cm : 65 cm

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 05 / 01 / 20
EXP.: 338
SITE/HOLE: C0022B
CORE: 35X
SECTION: 9
TOP DEPTH (m CSF):



Tot. 75cm
SECTION DESCRIPTION

WR = 0 - 11,5 cm
 11,5 - 75 cm = olive gray silty clay
 when saturated
 greenish mottled
 fine upward sequences from very
 fine sand to silty clay
 sand box etc
 ↳ x 22-24 cm
 x 43-45 cm: plane bedding
 x 49-50,5 cm: wavy bedding

OBSERVER:

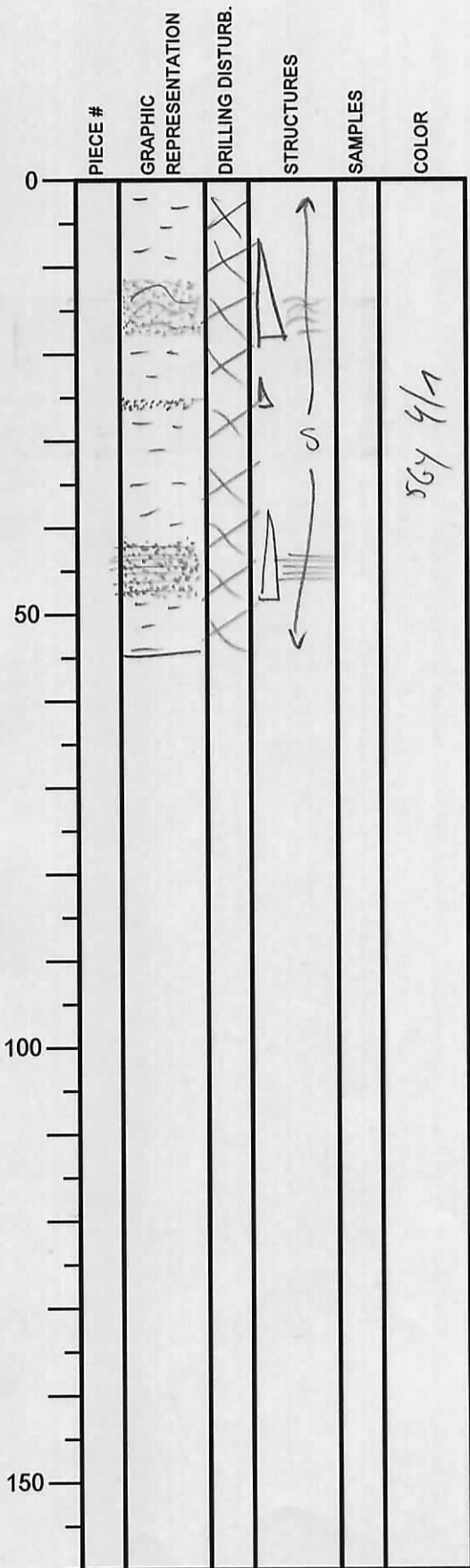
Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 05 / 01 / 20
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 35X
 SECTION: 10
 TOP DEPTH (m GSF):

Tot. 54 cm
 SECTION DESCRIPTION

OBSERVER:

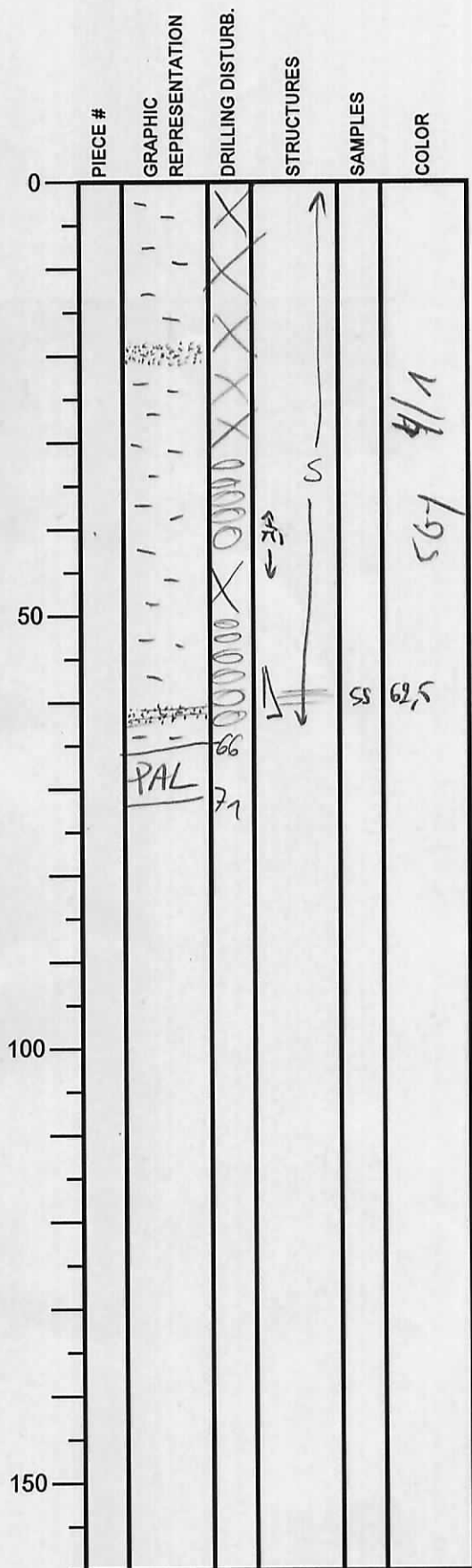


0-54 cm = dove grey silty clay
 minor saturation
 going upwards requires from very
 fine sand to silty clay
 sand base at
 ↳ * 12-18 cm = wavy bedded
 * 25-26 cm
 * 42-48 cm = planar bedded

564 4/17

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 05 / 01 / 20
EXP.: 338
SITE/HOLE: C0022B
CORE: 35X
SECTION: CC
TOP DEPTH (m CSF):



Tot. 71 cm
SECTION DESCRIPTION

OBSERVER:

0-71 cm = dove gray silty clay
with botulization

chondrites 39-45 cm

hard layer: 18-23 cm

fine upward sequence from very
fine sand to silty clay

hard box at
↳ 62-64 cm: plane beddy

PAL = 66-71 cm

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 36X
SECTION: 1
TOP DEPTH (m CSF):

Tot: 90

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			X X	~		
50			↓	↓		5GY 4/1
100						
150						

SECTION DESCRIPTION

OBSERVER: *SR*

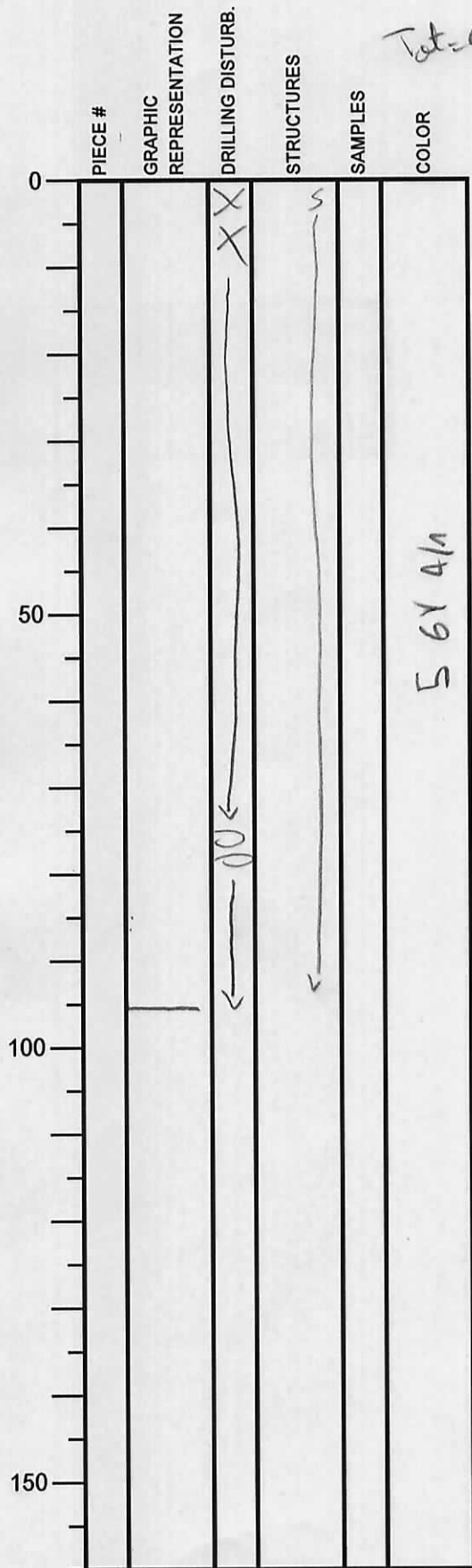
*Dark olive gray silty clay.
Slight lamination can be seen throughout
the subcore in the CT images*

*Section is highly affected by drilling
disturbance*

Integrated Ocean Drilling Program
Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 36X
SECTION: 2
TOP DEPTH (m CSF):

Test = 95



SECTION DESCRIPTION

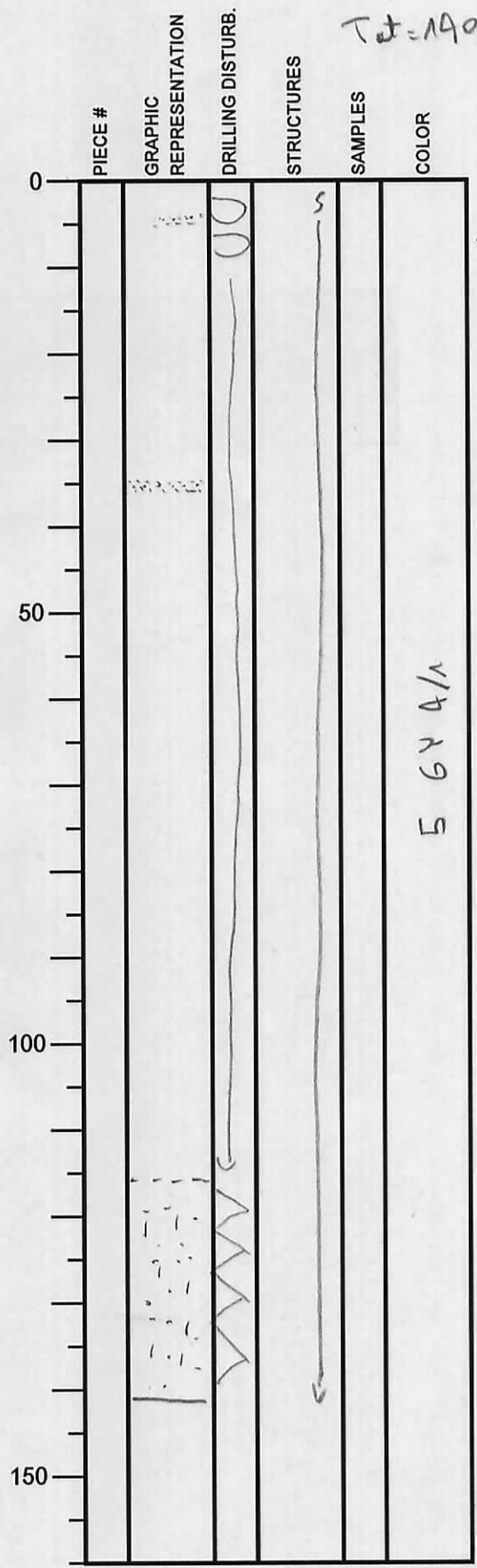
*Dark olive gray silty clay
bedding breccia + concretions*

OBSERVER: *SR*

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 36X
SECTION: 4
TOP DEPTH (m CSF):

TJ-190, S



SECTION DESCRIPTION

0: sand fines

34-35: sand lamina

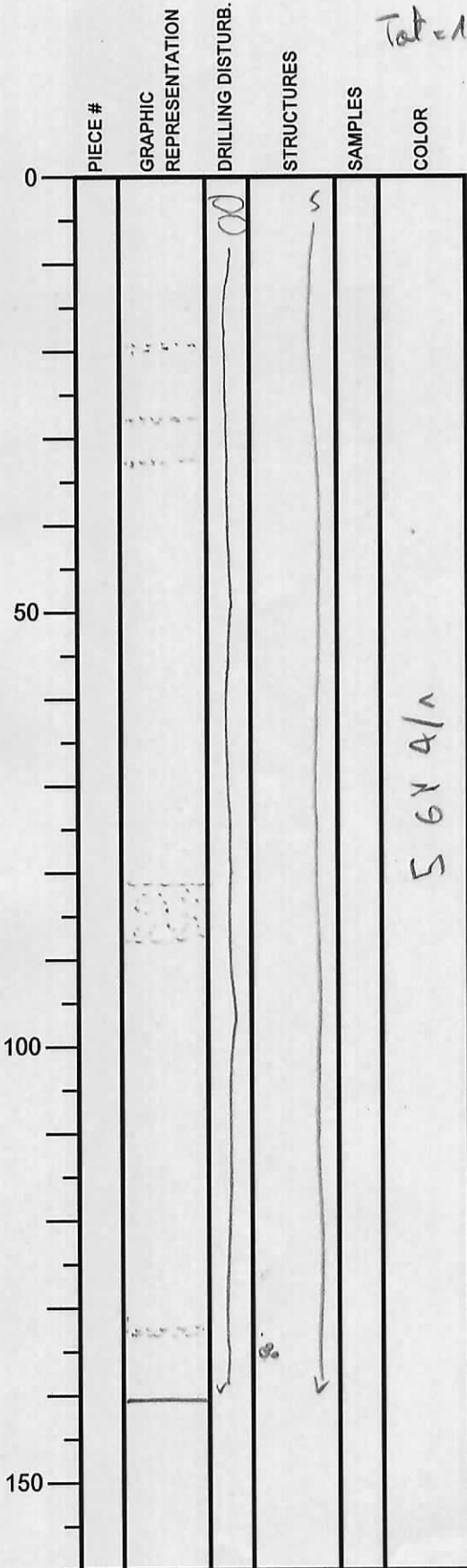
564A

116-140, S: sandy silt

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 36X
SECTION: S
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

Biscuiting + drilling slurry throughout

19, 27, 32: sand laminae

56 x 4/1

83-87 fine sand

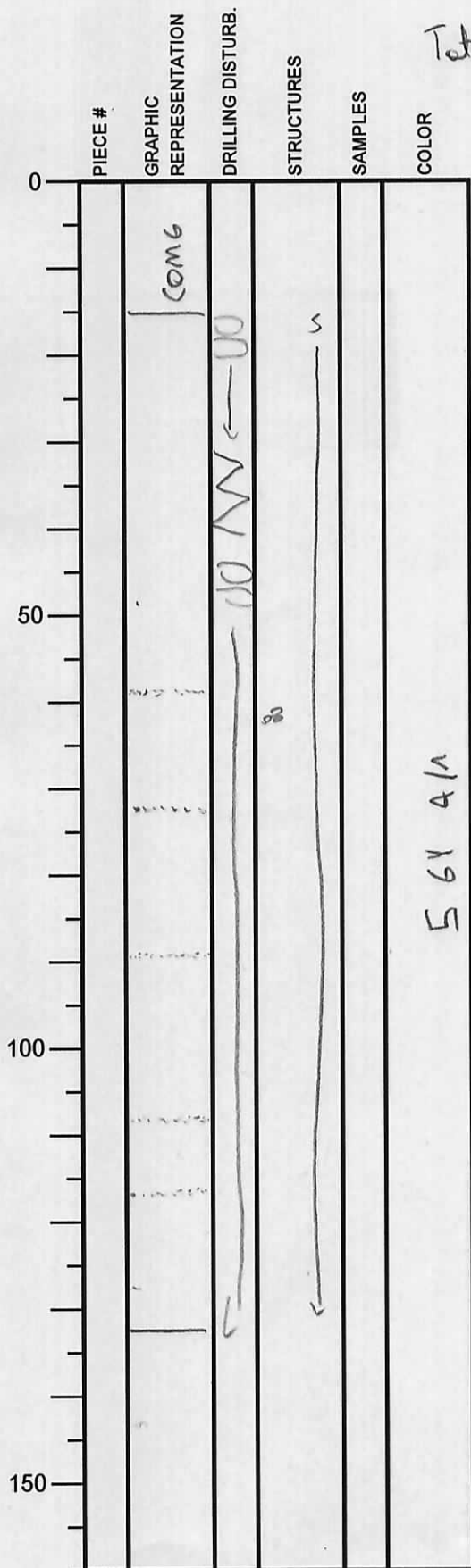
133: sand lamina

136: agglutinated forams

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 36X
SECTION: 6
TOP DEPTH (m CSF):

Tot = 133,5



SECTION DESCRIPTION

OBSERVER:

Biscuits + drilling slurry throughout

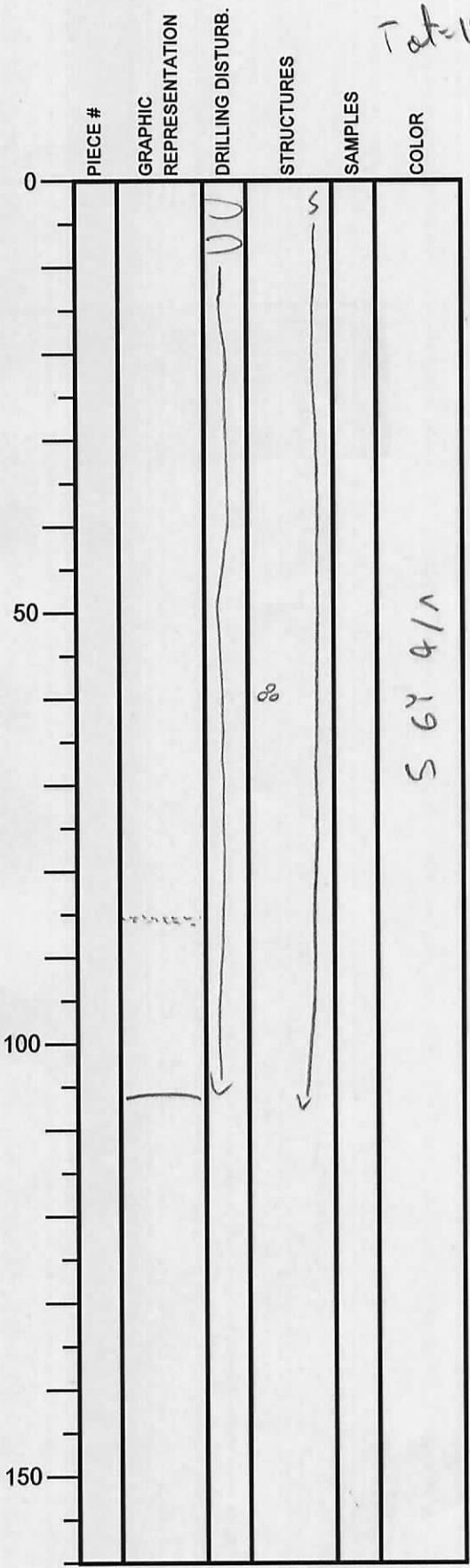
57, 73, 89, 108, 116 : sand laminae

63 : agglutinated foram

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 36X
 SECTION: 7
 TOP DEPTH (m CSF):

Total = 106



SECTION DESCRIPTION

OBSERVER:

. 59: agglutinated brown

. 84-85: sand lime

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 36X
 SECTION: C
 TOP DEPTH (m CSF):

Top = 3415

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			00	S		
50		PAL	↓	↓		
100						56Y4/A
150						

SECTION DESCRIPTION

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 37X
 SECTION: 1
 TOP DEPTH (m CSF):

OBSERVER: SR

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			0	8		
50					35 30	
100			8			
150						

SECTION DESCRIPTION

agglutinate

dk dove ^{gray} silty clay 5674/1

large longitudinal section through agglutinate

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 37X
 SECTION: 2
 TOP DEPTH (m CSF):

OBSERVER: *SC*

SECTION DESCRIPTION

dk olive gray silty clay

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			/			
40		IW				
50						
100						
150						

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 37X
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: SA

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			○			
		silty	↓		SS 15	
		IW				
50			○			
		v.f. sd.	↓			
99 100		VOID	↓			
150						

SECTION DESCRIPTION

clayey silt
dk olive gray silty clay

a few Charadrites + other discrete burrows

v.f. sd.

Integrated Ocean Drilling Program Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 37X
 SECTION: CC
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0				ccc		
50		PAL	~			
100						
150						

SECTION DESCRIPTION

OBSERVER: SA

dk olive gray silty clay

Zoophycos

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 38X
SECTION: |
TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		/			
50		△	SS 18	
100	COMG			SS 130 SS 134	
141.5					
150					

SECTION DESCRIPTION

OBSERVER:

*sol-filled burrow
dk olive gray silty clay
2.5 GY 4/1*

*greenish mottling & color bands
throughout, discrete burrows!
including Chondrites,
finest clay-lined burrows*

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 38X
SECTION: 2
TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					SS 14	sd
50	IA 56 IB				SS 53 SS 58	sd
100						
131.5						sd
150						

SECTION DESCRIPTION

OBSERVER:

dk olive gray silty clay
+ large & round smaller pebbles

sd-filled burrow

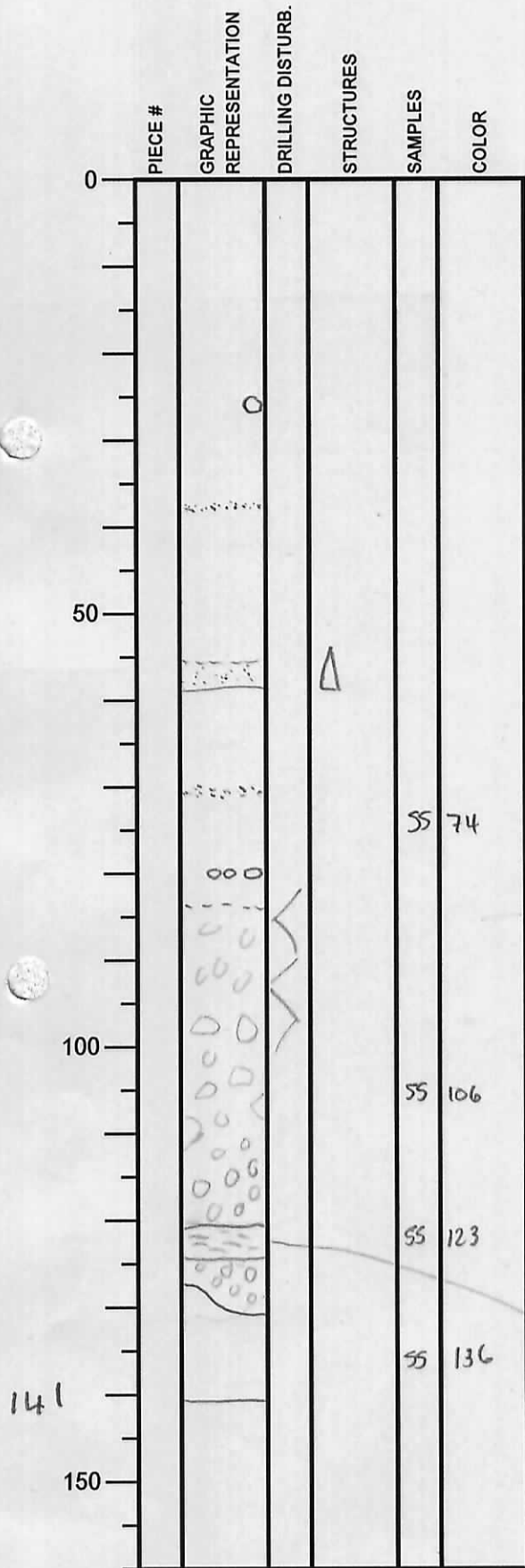
sdly granule
conglomerate
61-56

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 38X
SECTION: 4
TOP DEPTH (m CSF):

SECTION DESCRIPTION

OBSERVER:



olive-gray silty clay w/ scattered chondrites + other discrete burrows

green pebble

isolated pebbles

color variable, many have burrows (truncated)

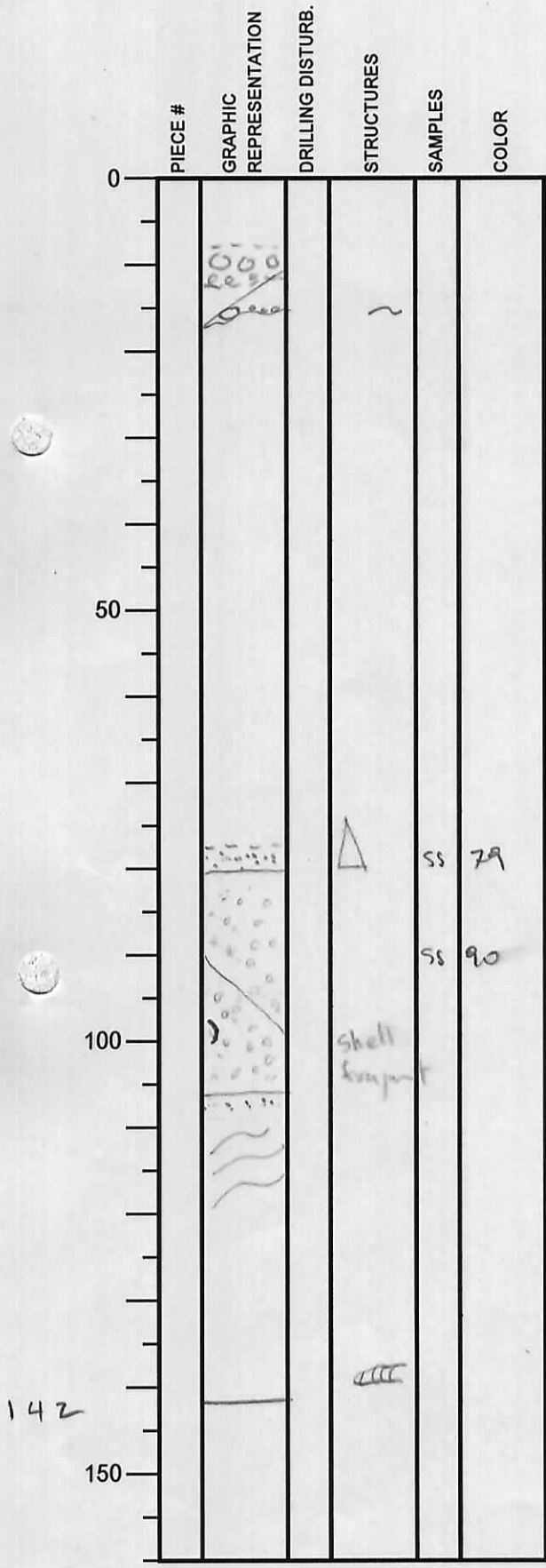
mud-clast conglomerate - clasts are polymict + generally well-sorted; silty clay matrix - but appears clast-supported

possible large clast 54 5/2 grayish olive

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 38X
 SECTION: 5
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

pebble-granule congl.
 scour surface?
 w/ pebbles
 dk olive gray silty clay -
 bioturbated throughout w/ Zoophytes
 to the discrete burrow

fine sd
 small forster
 shear band
 clayey silt
 soft-sed. detm w/ inclined wavy laminae
 clayey sand w/ granules,
 bioturbated

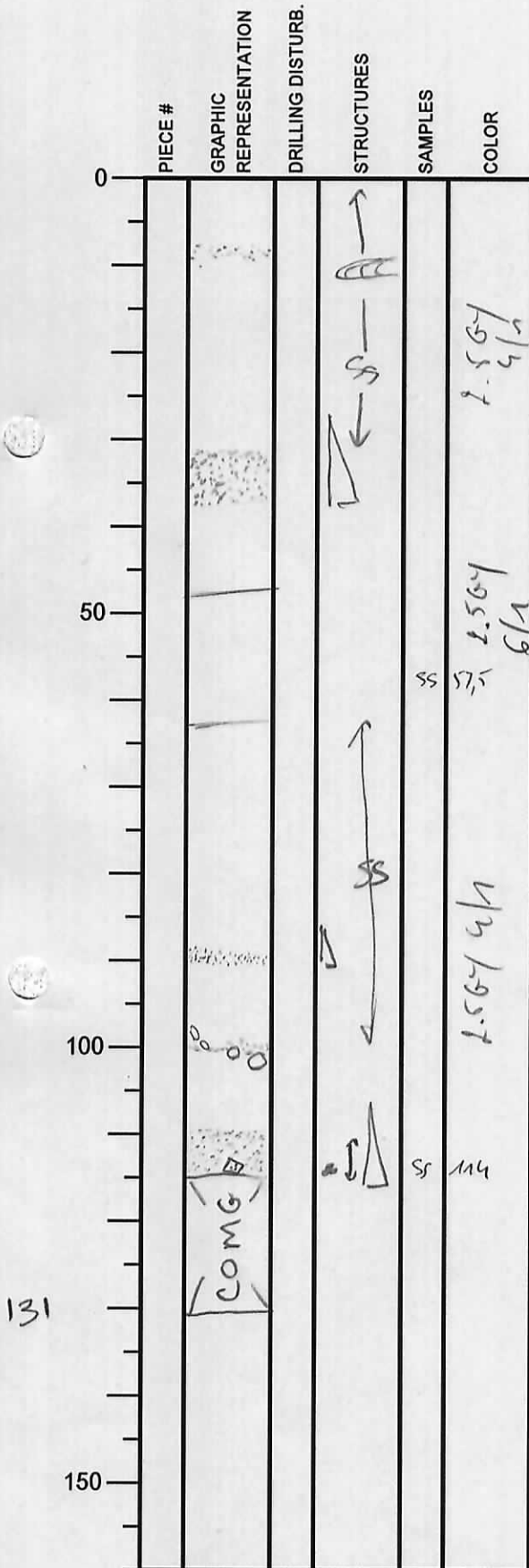
Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 38X
 SECTION: 6
 TOP DEPTH (m CSF):

SECTION DESCRIPTION

OBSERVER:



dk olive gray silty clay w/
 bioturbation, many discrete
 burrows

47-62 = lighter color, silty clay
 (2.5 Gy 6/1)

red netting 2-9 cm
 flying upwards sequences
 at red base of

* 30-35 cm

* 89-90 cm

* 109-115 cm

= red with lots of fauna and
 other fossils + ash fragments

green pebbles

↳ end red layer 100-103 cm

Integrated Ocean Drilling Program

Visual Core Description

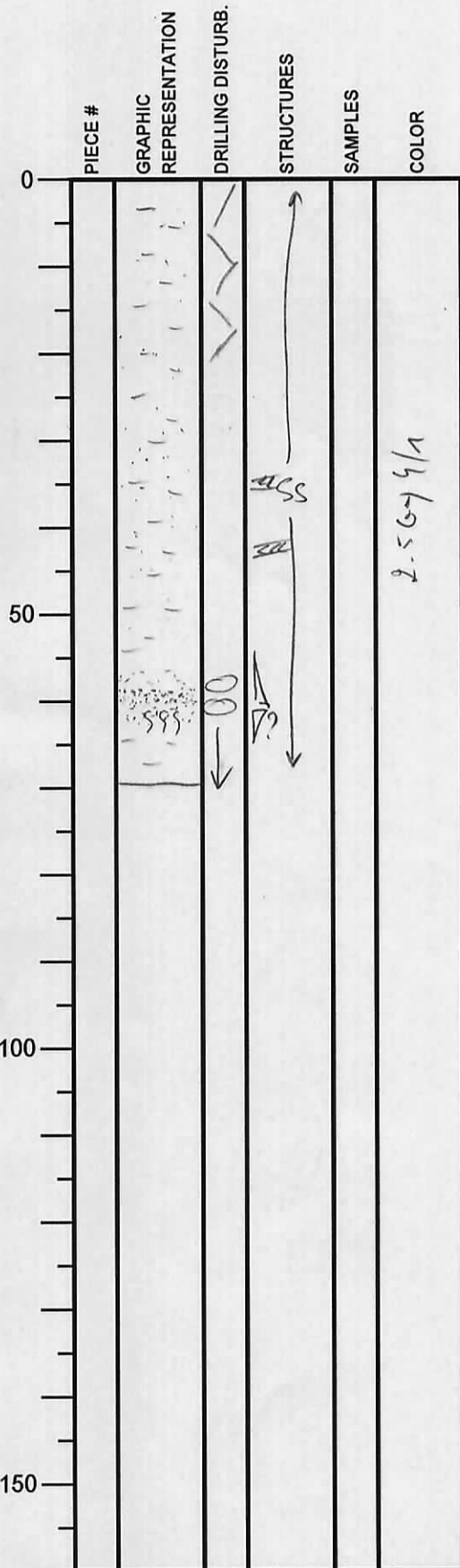
NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 38X
 SECTION: 7
 TOP DEPTH (m CSF):

Tot. 68cm

SECTION DESCRIPTION

OBSERVER:

0-68cm = silty clay
 a lot of clear sulci
 (saturation)
 zoophytes at -35cm
 -40cm
 fine upward sequence
 ls bend base at 60-61cm
 61-63cm = same to coarse
 upwards
 we could just be due
 to saturation
 0-60cm = bend retrace



Integrated Ocean Drilling Program Visual Core Description

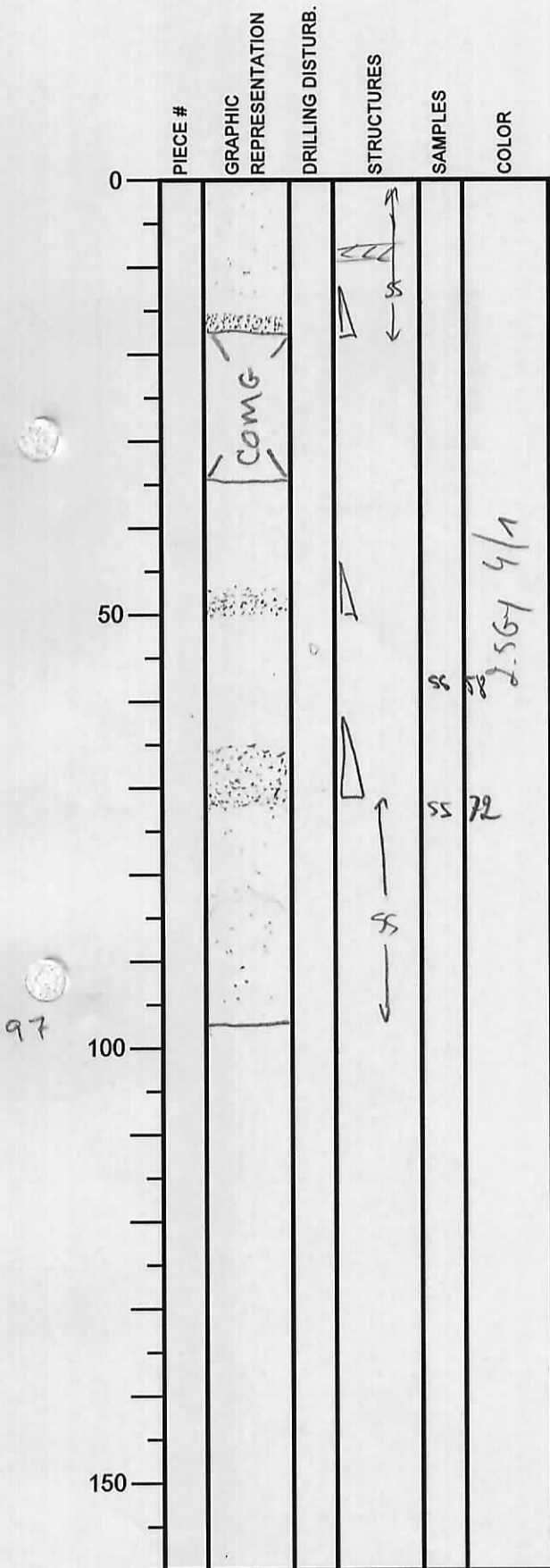
NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 38X
SECTION: 8
TOP DEPTH (m CSF):

Tot. = 96,5cm

SECTION DESCRIPTION

OBSERVER:

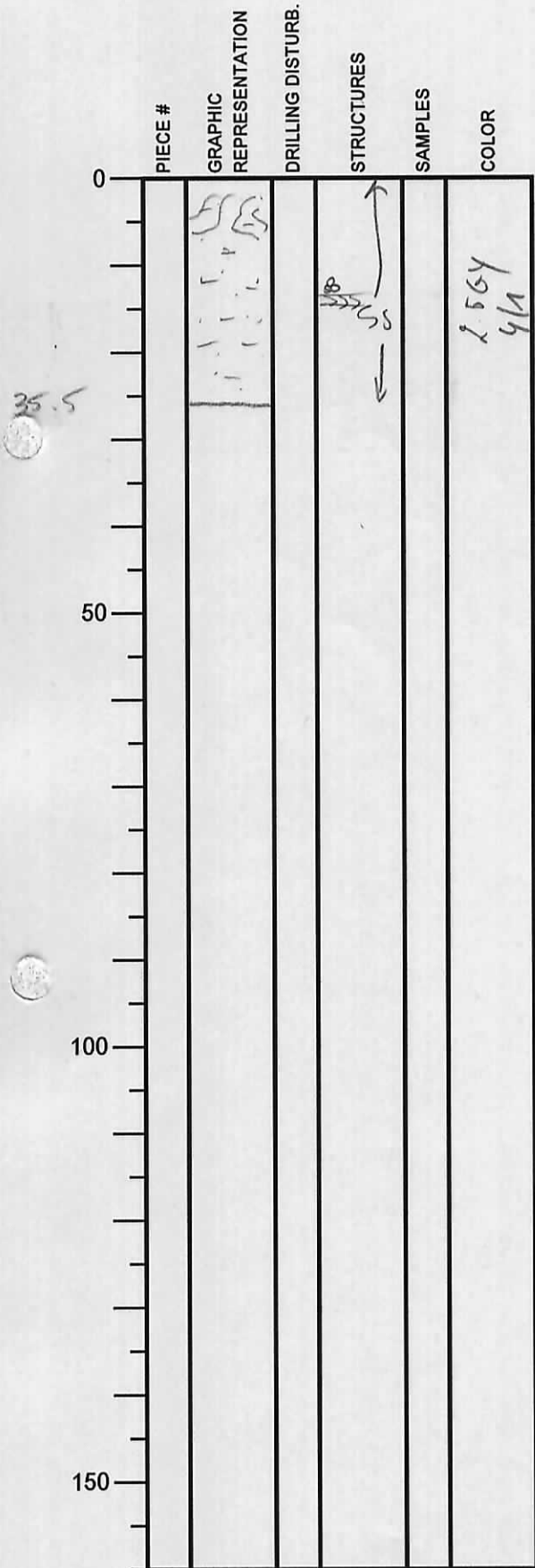
0 - 96,5cm = silty clay
signs of winnow to medium
bioturbation
(e.g. zoophycos 8-9cm)
sand reworking through most of
sediment
facing upwards sequences
sand base at
* 16,5 - 17cm
* 48.50cm
* 65 - 73cm



Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 38X
 SECTION: 9
 TOP DEPTH (m CSF):



Tot 35,5 cm

SECTION DESCRIPTION

0 - 35,5 cm = silty clay
 medium water content
 raphyes at 13-16 cm
 faun at 13 cm

OBSERVER:

2.6 cm = soft - red mud deformation

Integrated Ocean Drilling Program Visual Core Description

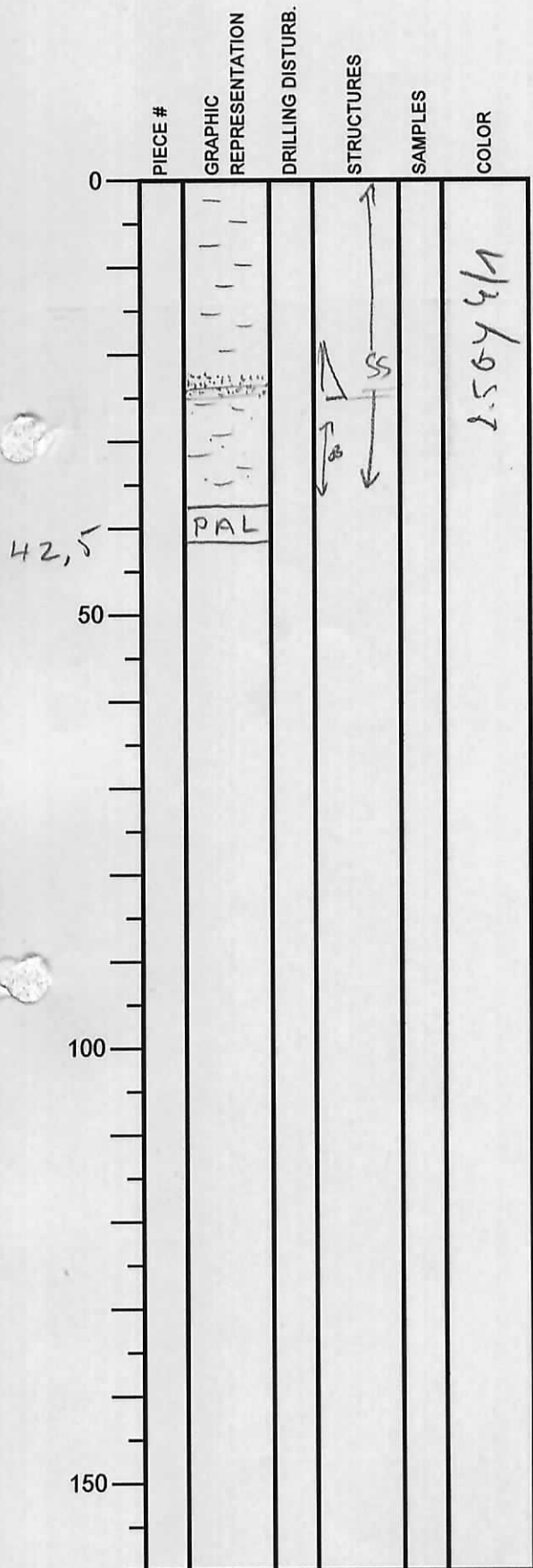
NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 38X
SECTION: CC
TOP DEPTH (m CSF):

Tot. 42,5cm

SECTION DESCRIPTION

OBSERVER:

0-37,5 cm = silty clay
medium foraminifera
fauna = 30-37,5 cm
flow upwards sequence
red base 23-25 cm
plastic lenticles: 24-25 cm



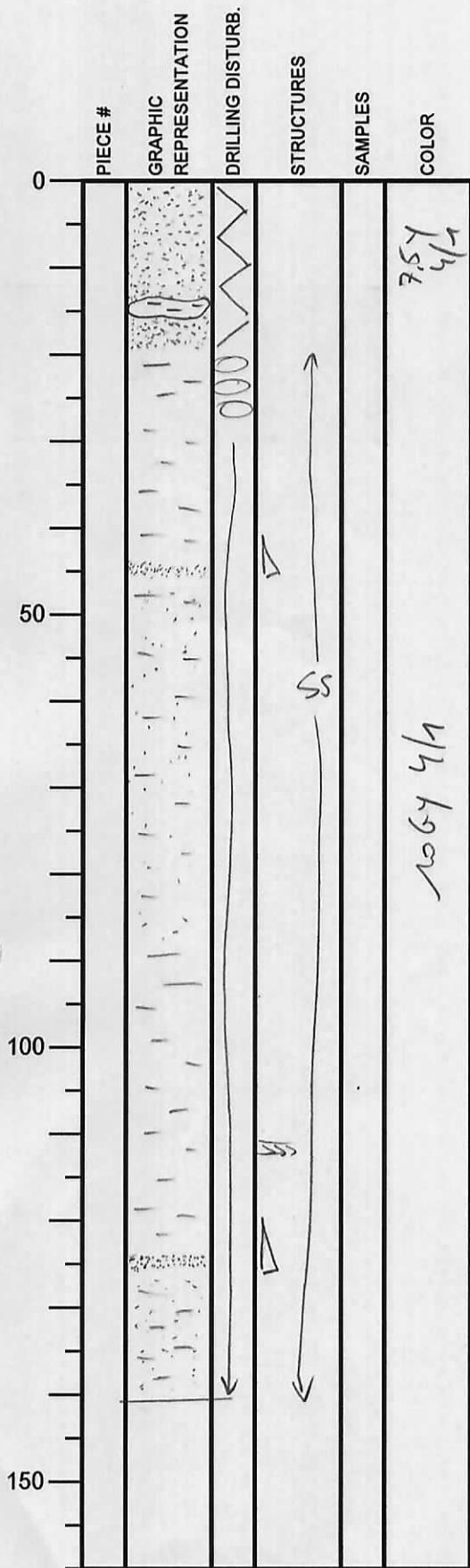
Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 39X
 SECTION: 4
 TOP DEPTH (m CSF):

Tot. 110cm
 SECTION DESCRIPTION

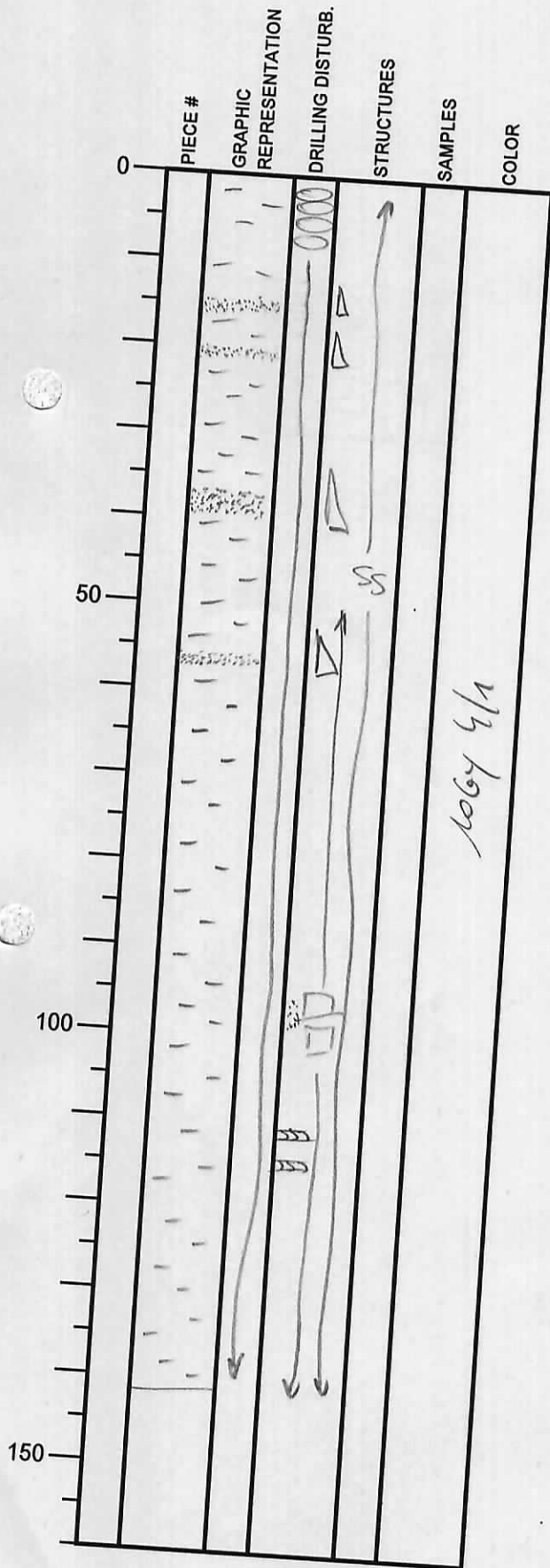
OBSERVER:



0-14 cm = fine to medium sand
 14-16 cm = silty clay
 (= distorted by drilling?)
 16-20 cm = fine to medium sand
 20-110 cm = silty clay
 medium saturation
 44-45 cm = base (and base) of fine
 upward migration
 45-90 cm = sand scattered through
 silty clay
 112 cm = zoophycos
 123-125 cm = sand base of fine
 upward migration
 125-110 cm = sand scattered
 through silty clay

Integrated Ocean Drilling Program Visual Core Description

NO. _____
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 39X
 SECTION: 3
 TOP DEPTH (m CSF): _____



Tot. 141 cm

SECTION DESCRIPTION

0-141 cm = silty clay
 medium bioturbation
 distinct burrows
 zoophytes at 111 cm
 114 cm

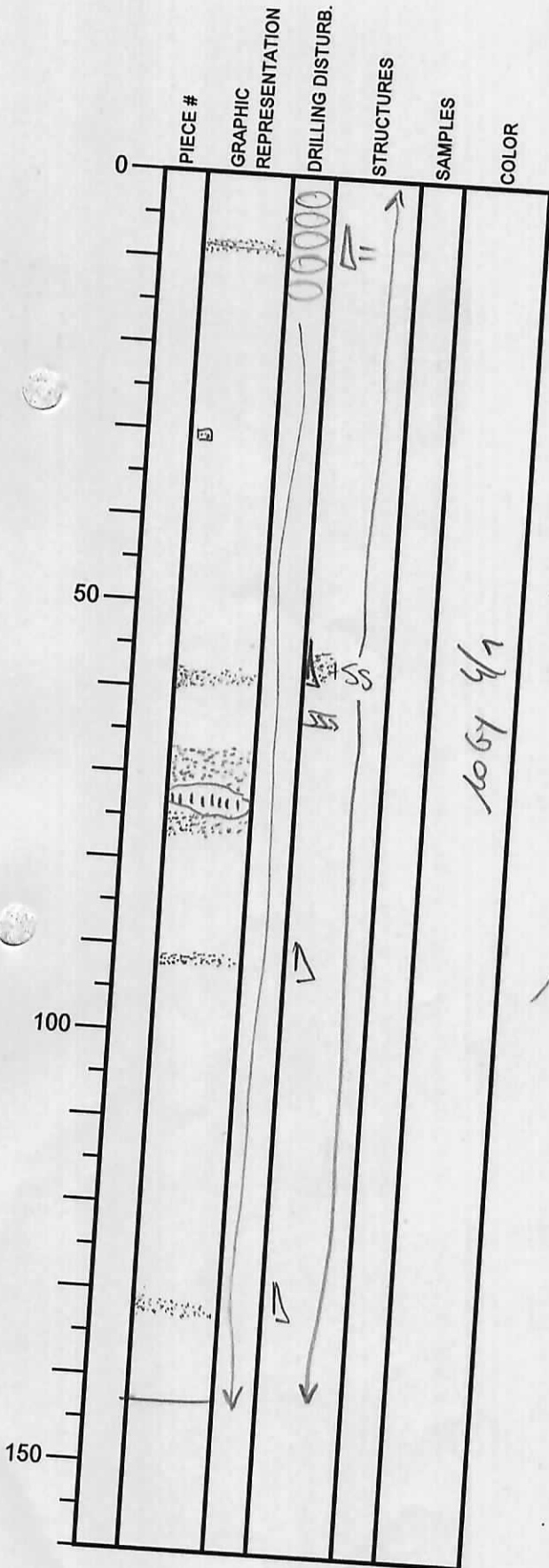
50-141 cm = greenish (light + dark)
 clay bedding
 red + weathering

flag upwards requires
 sand bar at
 * 15-16 cm
 * 20-21 cm
 * 36-39 cm
 * 55-56 cm

OBSERVER: _____

Integrated Ocean Drilling Program Visual Core Description

NO. _____
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 39X
 SECTION: 4
 TOP DEPTH (m CSF): _____



Tot. 142 cm

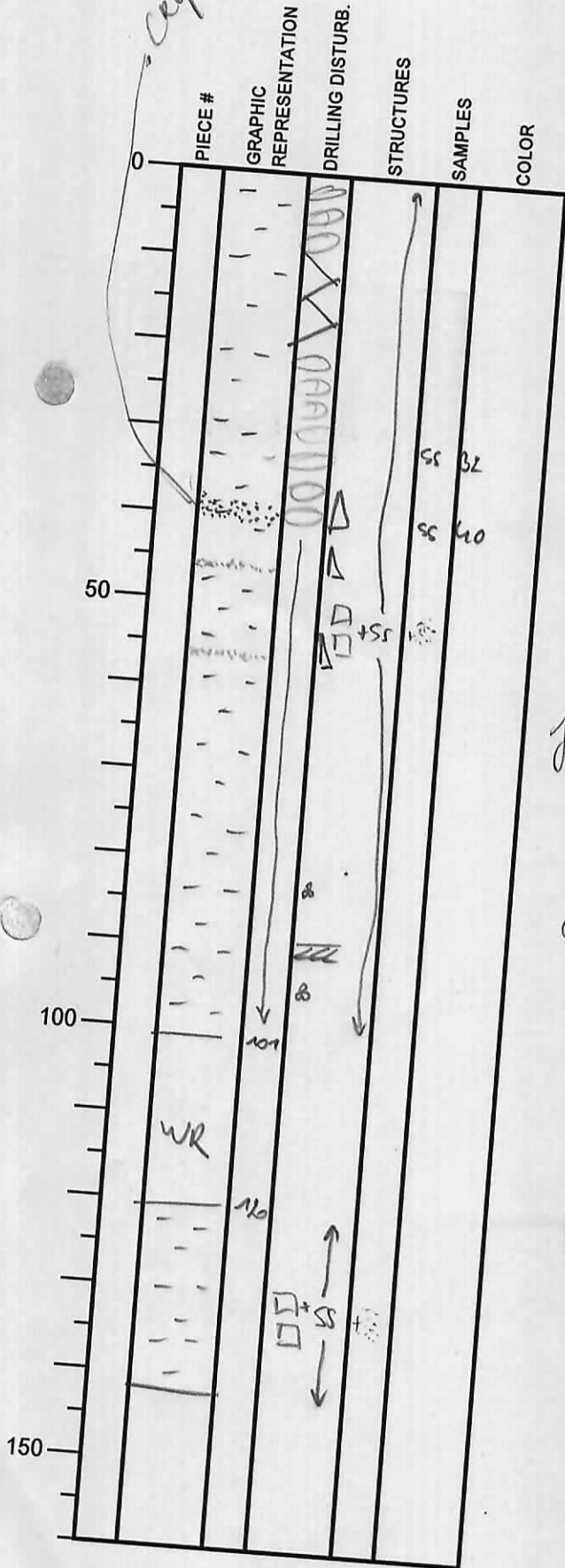
SECTION DESCRIPTION

OBSERVER: _____

0 - 142 cm : silty clay
 medium *Forams*
 zoophores at 63-64 cm
 hard scattering throughout entire
 section
 ash patch 32.5 cm
 fine upwards sequence with
 hard base
 ↳ at 9-10 cm : plane bedded
 58-60 cm
 91-92 cm
 132-133 cm
 hard layer :
 66-71 cm = sand
 71-74 cm = silt / sedy silt
 74-75.5 cm = sand

Integrated Ocean Drilling Program Visual Core Description

NO. _____
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 39X
 SECTION: 5
 TOP DEPTH (m CSF): _____



Tot. = 141,5 cm

SECTION DESCRIPTION

0 - 120 & 120 - 141,5 cm = silty clay with medium botulose distinct burrowing greenish color banding sand scattering throughout entire section zoophytes at 88-89 cm forams 82 + 95 cm

OBSERVER: _____

finely upward sequence with sand base

↳ at ≈ 38-41,5 cm

CRYSTAL ASH = ! 39,5 - 40,5 cm = light gray sand

38-39,5 + 40,5-41,5 cm = bl re

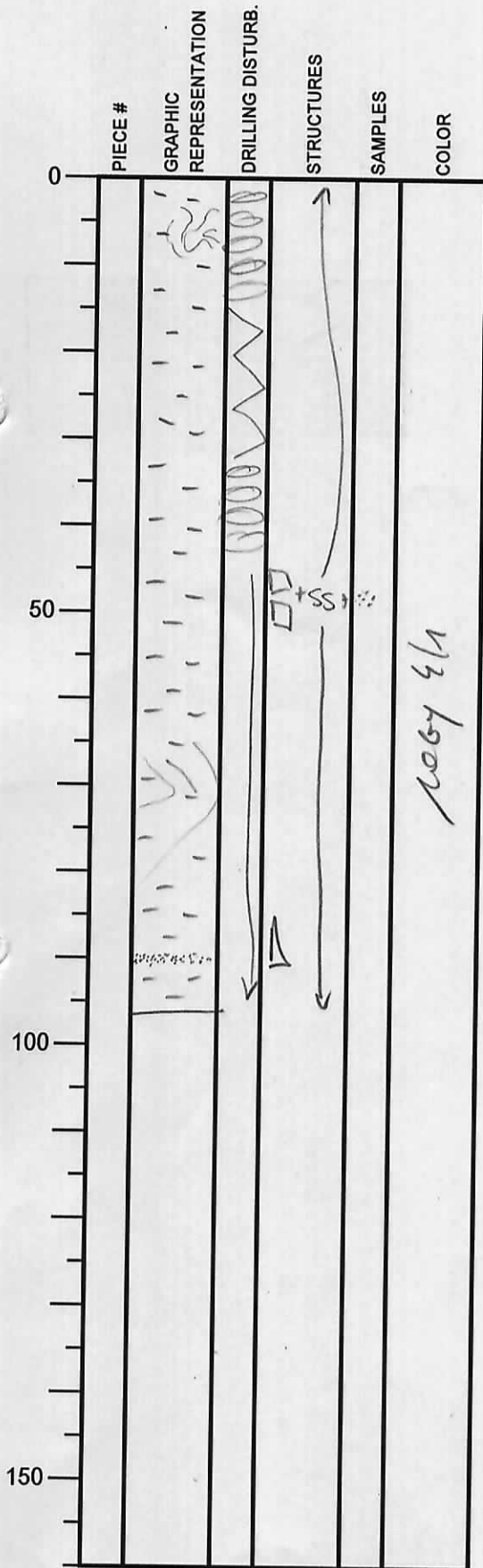
→ 46-45 cm

→ 55-56 cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 39X
 SECTION: 6
 TOP DEPTH (m CSF):



Tot. 96 cm

SECTION DESCRIPTION

0-96 cm = silty clay
 medium botulotion
 greenish banding = distinct subzones
 red mottling throughout
 extra red
 fine upwards sequence
 red box at 90-91 cm

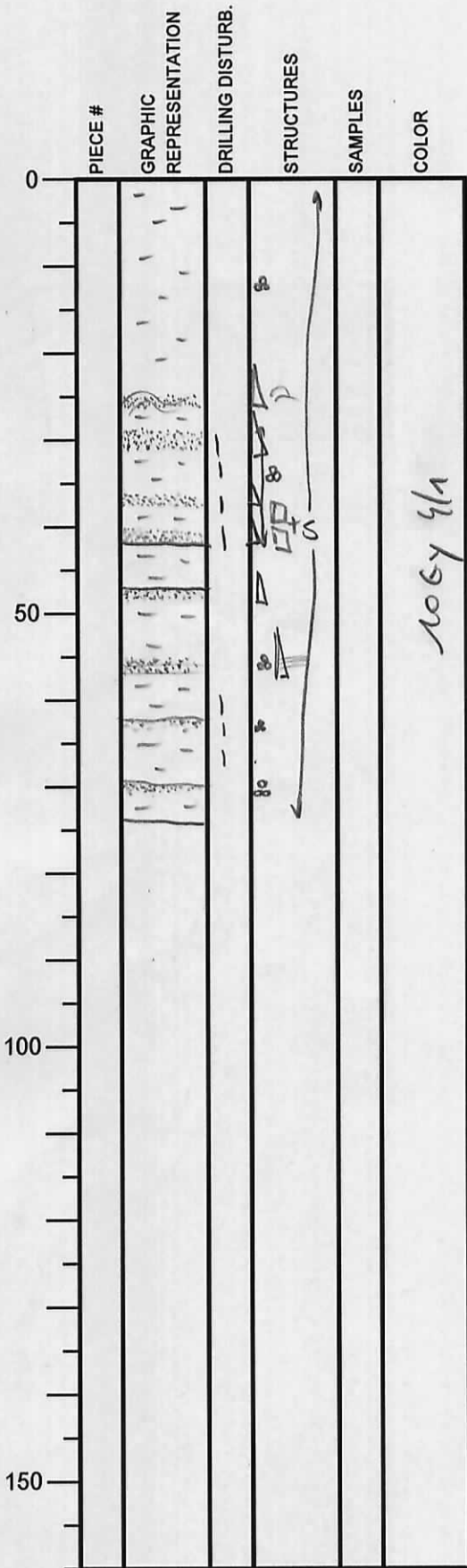
OBSERVER:

soft mud with deformation?
 or botulotion?
 3-7 cm
 66-76 cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 39X
 SECTION: 7
 TOP DEPTH (m CSF):



Tot. 73cm
 SECTION DESCRIPTION

OBSERVER:

0-73cm = silty clay
 minor waterurbation
 greenish banding

fining upwards sequence
 sand box at

* 24.5-26cm = wavy bedding, fine red

* 29-32cm = mix of grey + black grains
 fine to medium red

* 36-37cm = idem 29-32cm

* 41-43cm : 41-42cm = very, very fine red
 42-43cm = silt with medium red grains

sharp base

* 48-49cm = fine to medium red
 sharp top

* 56-58cm = 56-57cm = very fine silt red
 57-58cm = idem 29-32cm +
 sharp top
 facies mixed in

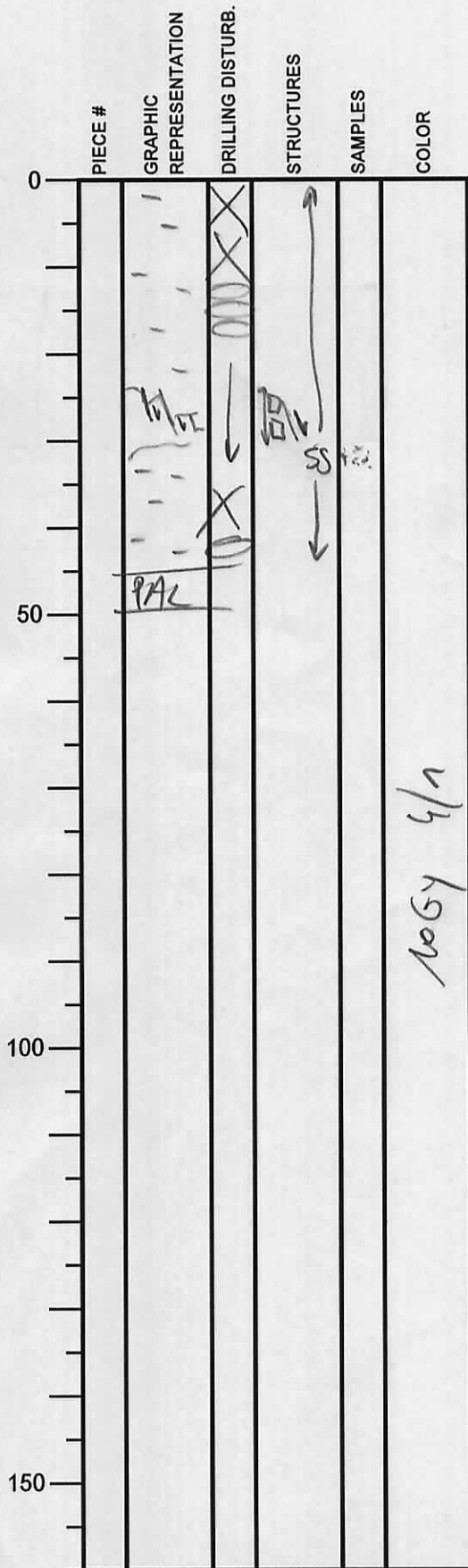
facies: 13cm
 30-43cm
 57-58cm
 63-64cm
 70-71cm

red layers with thin (2mm)
 black red top (top = very sharp)
 silty red with facies (diffuse
 base) below

↳ 63-64cm
 70-71cm

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 39X
SECTION: CC
TOP DEPTH (m CSF):



Tot. 50cm
SECTION DESCRIPTION

0-45cm = silty clay
medium to coarse
sand scattered

27-28 cm = light green colored
patch bedded by round
microfossils

20-28 cm = greenish colour sanding

OBSERVER:

PAL = 45-50cm

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 40X
SECTION: /
TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			0			
50						
100		COMG				
140		[Patterned Box]				
150						

SECTION DESCRIPTION

OBSERVER:

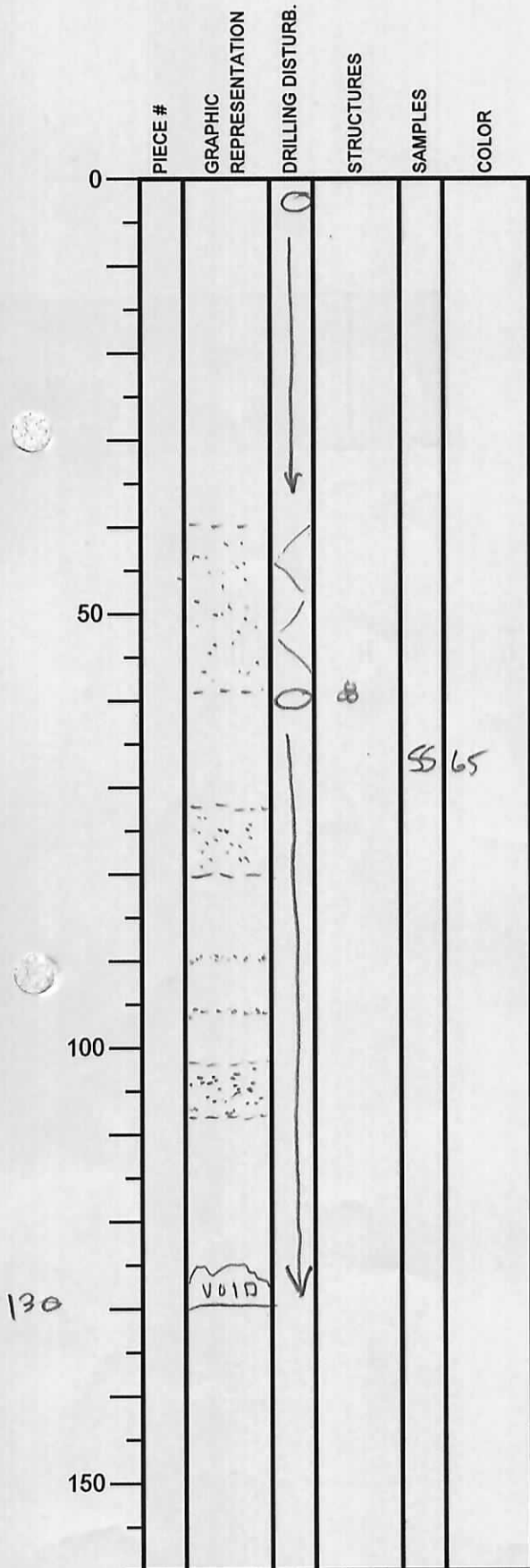
dk olive gray silty clay to clayey silt
heavily bi-purited →
? much lost sand ??

Chondrites + other discrete
burrows

poorly preserved sand layers ??

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 40X
SECTION: 2
TOP DEPTH (m CSF):



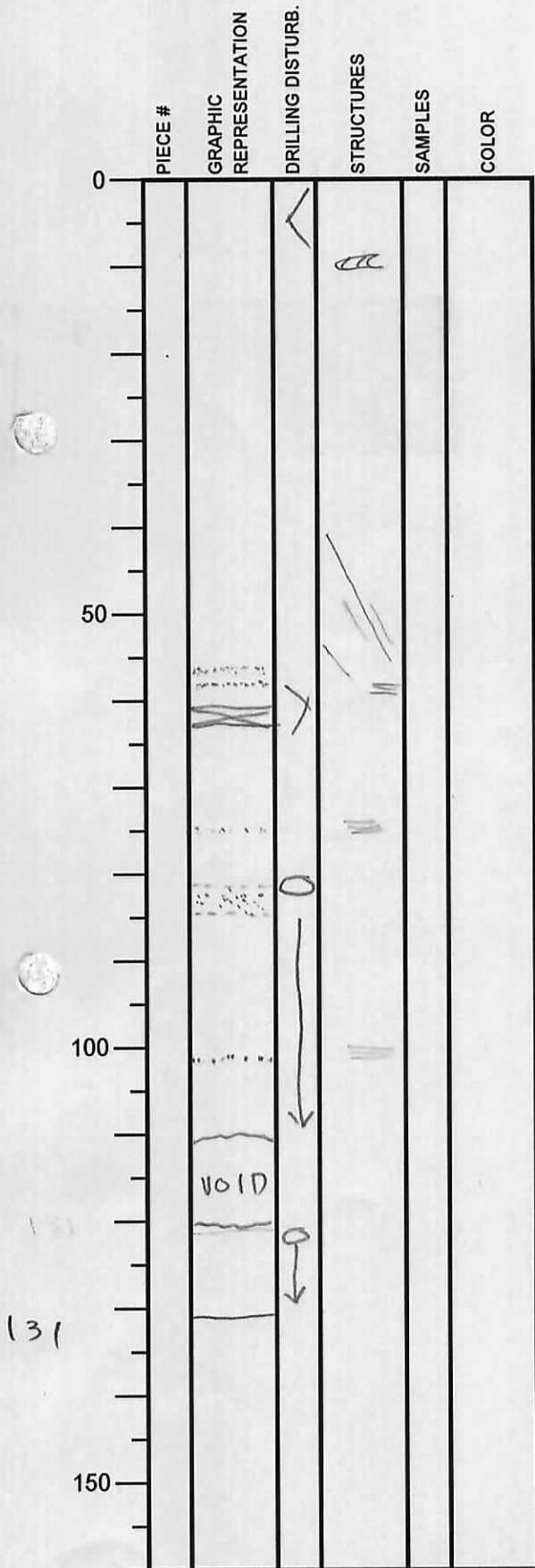
SECTION DESCRIPTION

OBSERVER:

dk olive gray silty clay to clayey silt
 chondrites & other discrete
 burrows throughout
 poorly preserved sandy interval?
 agglut.
 poorly preserved sandy interval?
 sdy interval

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 40X
SECTION: **L4**
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

dk olive gray silty clay to clayey silt

Zoo phycos + other discrete burrows.

Shear bands

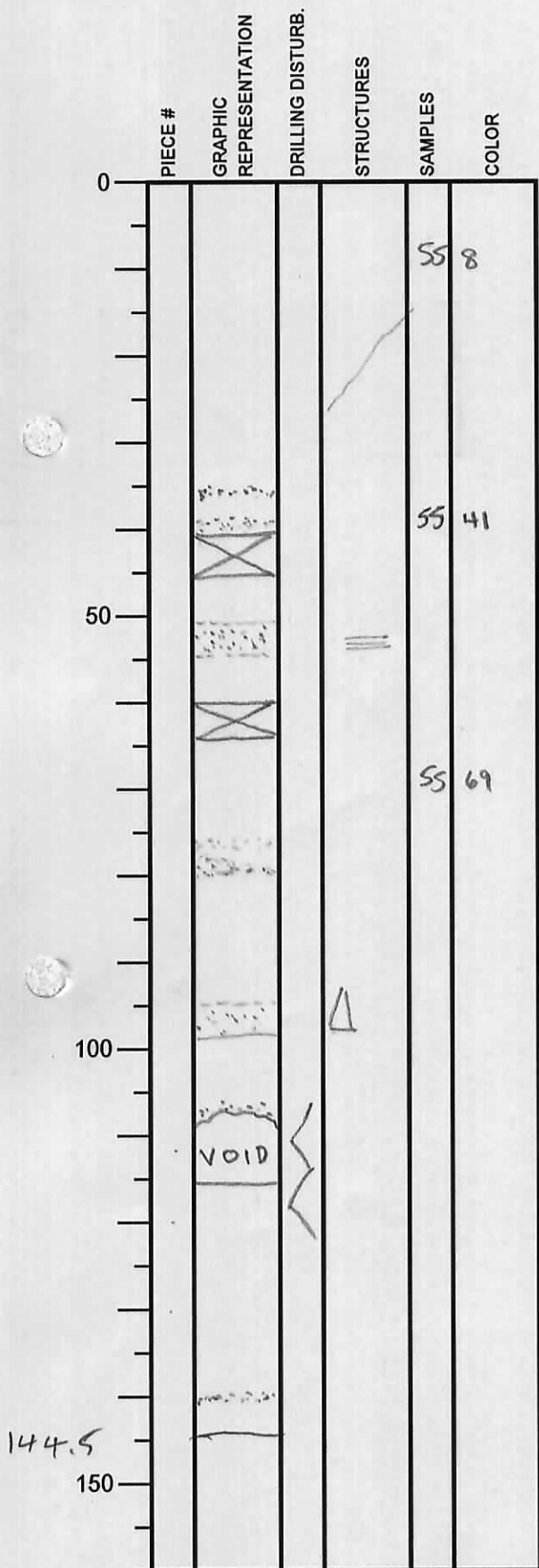
sd/silt lamina

poorly preserved sd layer(s)

sd lamina

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 40X
SECTION: 5
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

Integrated Ocean Drilling Program Visual Core Description

NO.
DATE: 06 / 01 / 2013
EXP.: 338
SITE/HOLE: C0022B
CORE: 40X
SECTION: CC
TOP DEPTH (m CSF):

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		^			
	^			
	^			
	PAL	^			
50					
100					
150					

SECTION DESCRIPTION

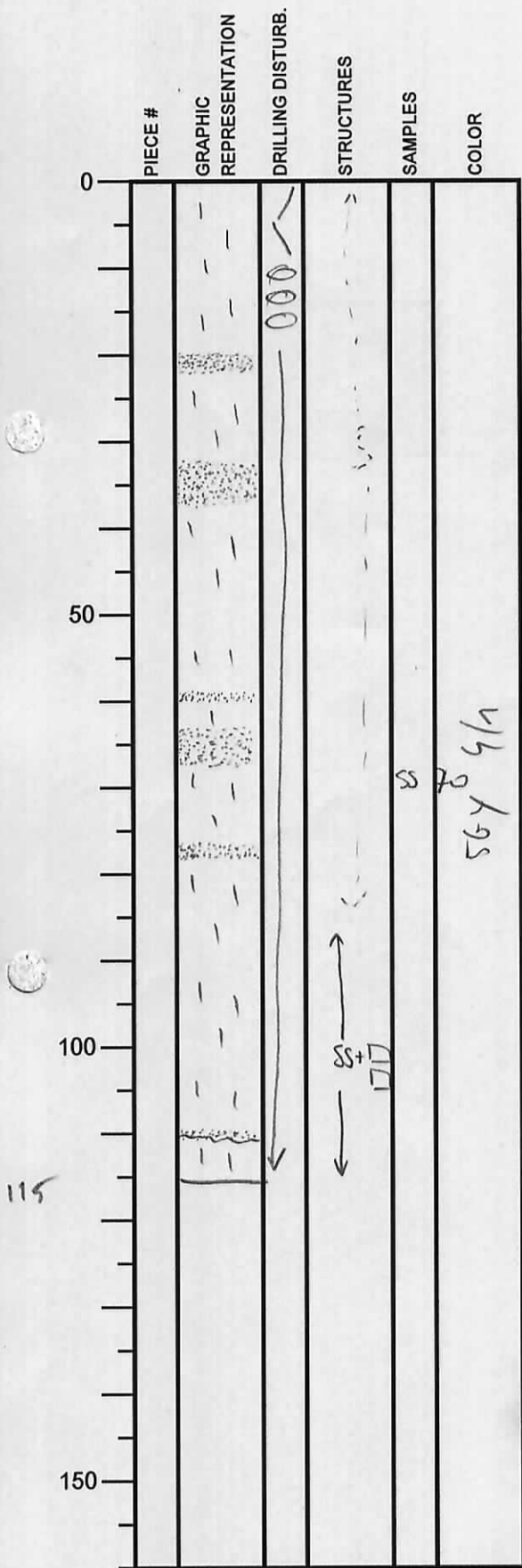
OBSERVER:

dk gray silty clay to clayey silt
parallel lamm. in silt laminae
sol

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 41X
 SECTION: 1
 TOP DEPTH (m CSF):



Tot. 115 cm
 SECTION DESCRIPTION

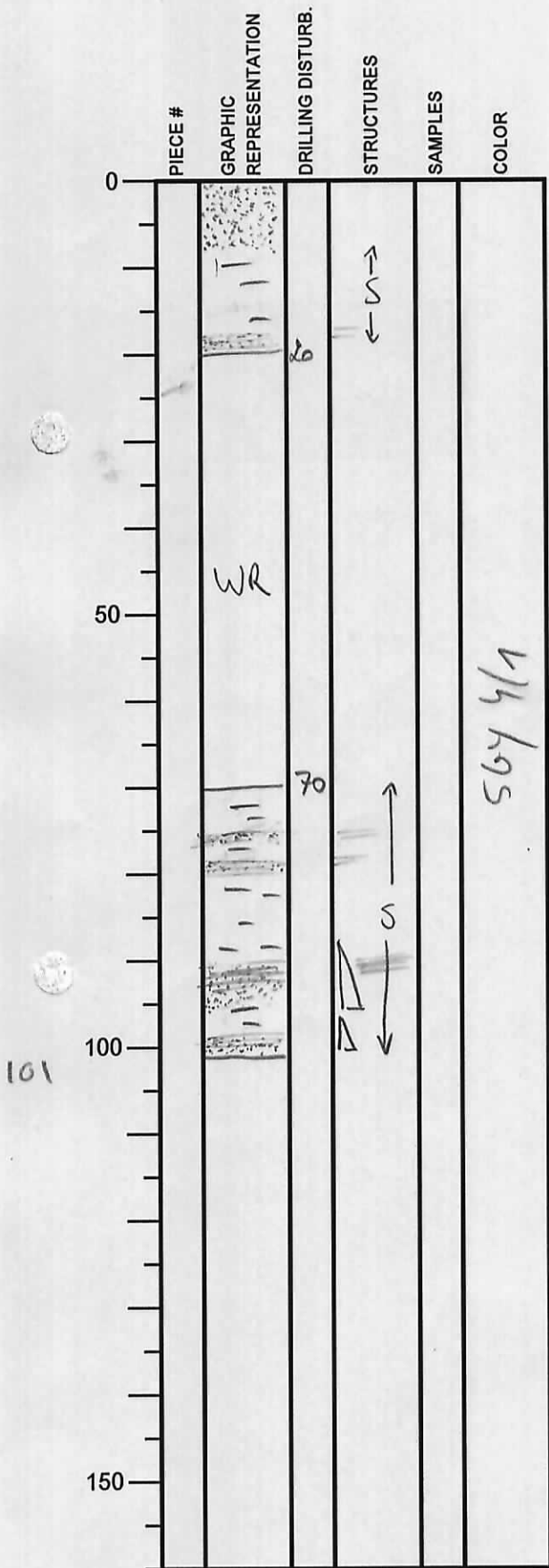
OBSERVER:

0-115 = very silty claystone (grubby)
 0-88 cm = very micaceous pieces of siltstone
 88-115 cm = medium heterotaxial + greenish colored bedding
 sand layers = medium sand
 ↳ 20-23 cm
 34-38 cm = white + grey grains
 59-60 cm
 64-68 cm
 76-78 cm
 108.5-110 cm = eroded base

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 41X
 SECTION: 2
 TOP DEPTH (m CSF):



101. 101 cm
 SECTION DESCRIPTION

OBSERVER:

0-7cm = medium sand
 matrix

7-17cm = silty claystone (very silty)
 with minor bioturbation

17-20cm = sand (very fine to fine)
 plane bedding

70-101 cm = silty claystone (very silty)
 with minor bioturbation

↓
 sand layers of

75-76 cm = fine sand, plane bedding
 78-79 cm = " " " "

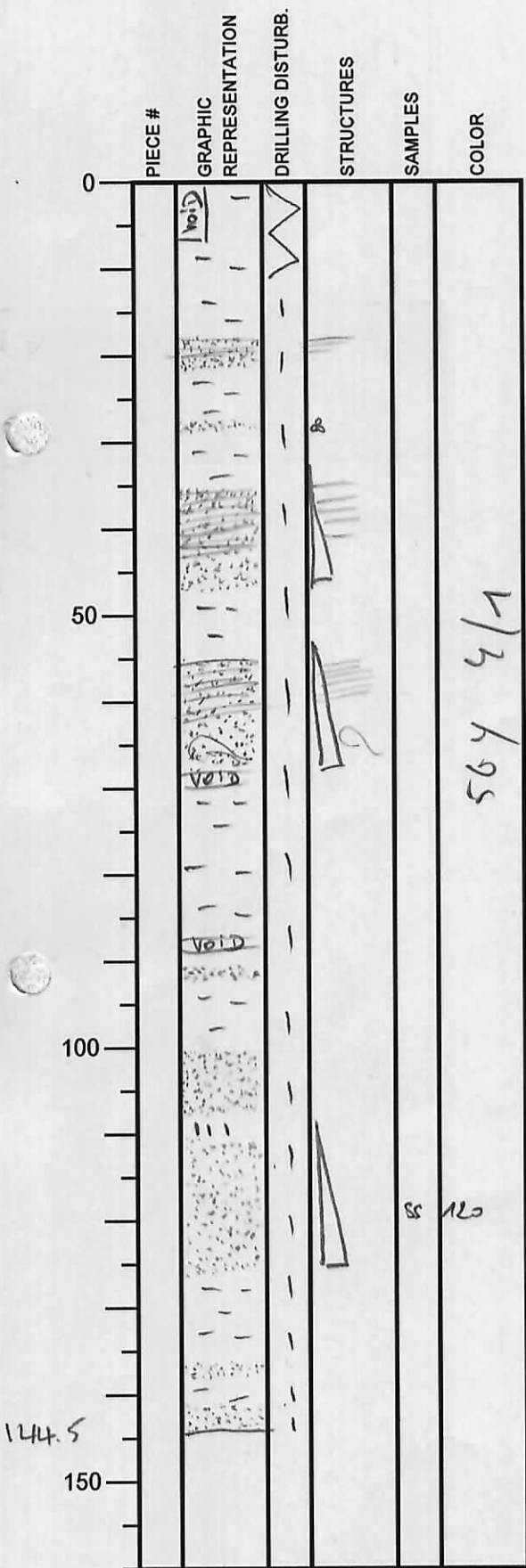
90-95.5 cm = fining upwards
 sequence
 → 90-94 = plane bedding
 94-95.5 cm = medium sand

98-101 cm = fining upwards
 98-99 cm = fine sand,
 plane bedding
 99-101 cm = medium sand

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 41X
 SECTION: 3
 TOP DEPTH (m CSF):



Tot. 144,5 cm

SECTION DESCRIPTION

OBSERVER:

0-144,5 cm = silty claystone
 (gottly)

sand layers:

17,5-21 cm = fine sand

17,5-19 cm = plane bedded

19-21 cm = fine sand

27-28 cm = fine sand with forams

35-47 cm = very fine to fine sand, fining upwards

35-43 cm = plane bedded

43-47 cm = massive

56-68 cm = fining upwards from medium sand to fine sand

56-63 cm = plane bedded

63-68 cm = medium sand

91-92 cm = fine sand
 consolidated bedded

100-106 cm = green sand
 fine to medium

108-111 cm = sandy silt

111-126 cm = fining upwards
 from medium sand to fine sand

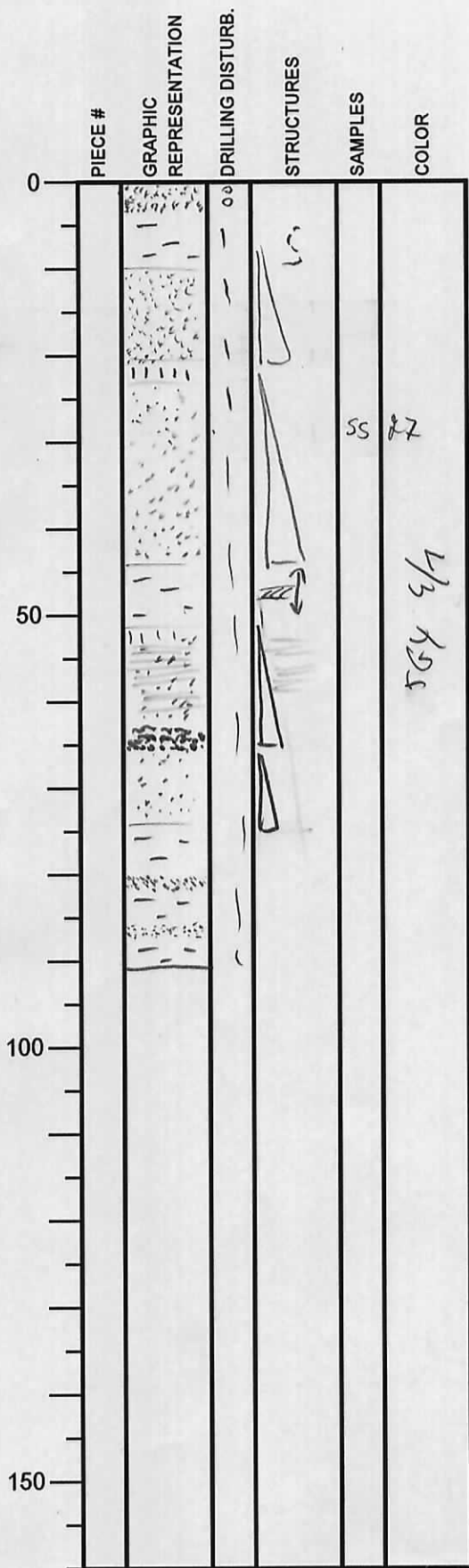
137-138 cm = medium sand

142-144,5 cm = fine sand

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 41X
 SECTION: 4
 TOP DEPTH (m CSF):



Tot. 91 cm
 SECTION DESCRIPTION

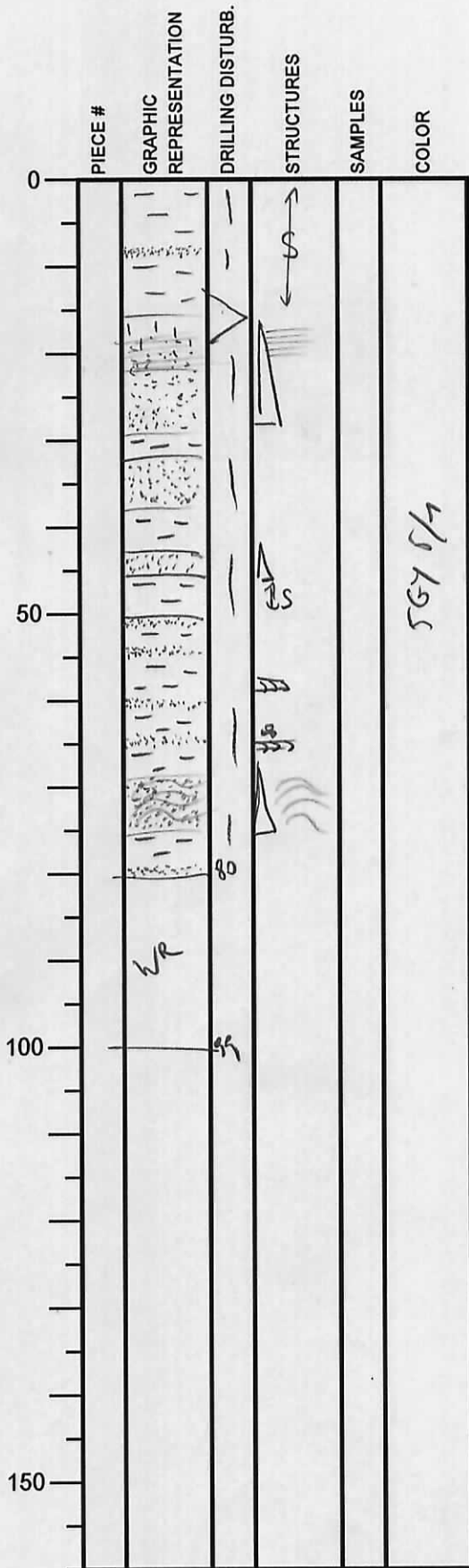
OBSERVER:

0-3 cm = medium red
 3-11 cm = silty clay
 very weak lamination
 11-22 cm = fine upwards (FU)
 red
 from medium red to very
 fine red
 22-25 cm = silty
 25-44 cm = FU from medium red
 to very fine red
 44-52 cm = silty claystone
 zoophycos present
 52-66 cm = FU from medium red
 to silty
 52-62 = plane bedded
 66-74 cm = FU from medium
 red to fine red
 74-80 cm = silty clay
 80-81 cm = medium red
 81-86 = silty clay
 86-87 = medium red
 87-91 = silty clay
 zoophycos: 46 cm
 48 cm
 50 cm

Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 41X
 SECTION: 5
 TOP DEPTH (m CSF):



Tot. 99cm

SECTION DESCRIPTION

OBSERVER:

- 0-16cm = silty clay
 when saturated
- 8-9cm = sand layer
- 16-29cm = fine upwards (FU)
 regular from medium sand
 to sandy silt
- 15-23cm = plane bedded
- 29-32cm = silty clay
- 32-37cm = FU medium to fine sand
 32-35cm = plane bedded
- 37-42 = silty clay
- 42-45cm = FU medium to fine sand
- 45-50cm = saturated silty clay
- 50-51cm = sand layer
- 51-69cm = silty clay with
 some water table
 ↳ zoophy cores at
 57, 59, 66cm
 sand layers 53-54cm
 60-61cm
 64-65cm = has faeces
- 69-75cm = FU from fine to
 very fine sand
 wavy bedded
- 75-79 = silty clay
- 79-90cm = sand layer

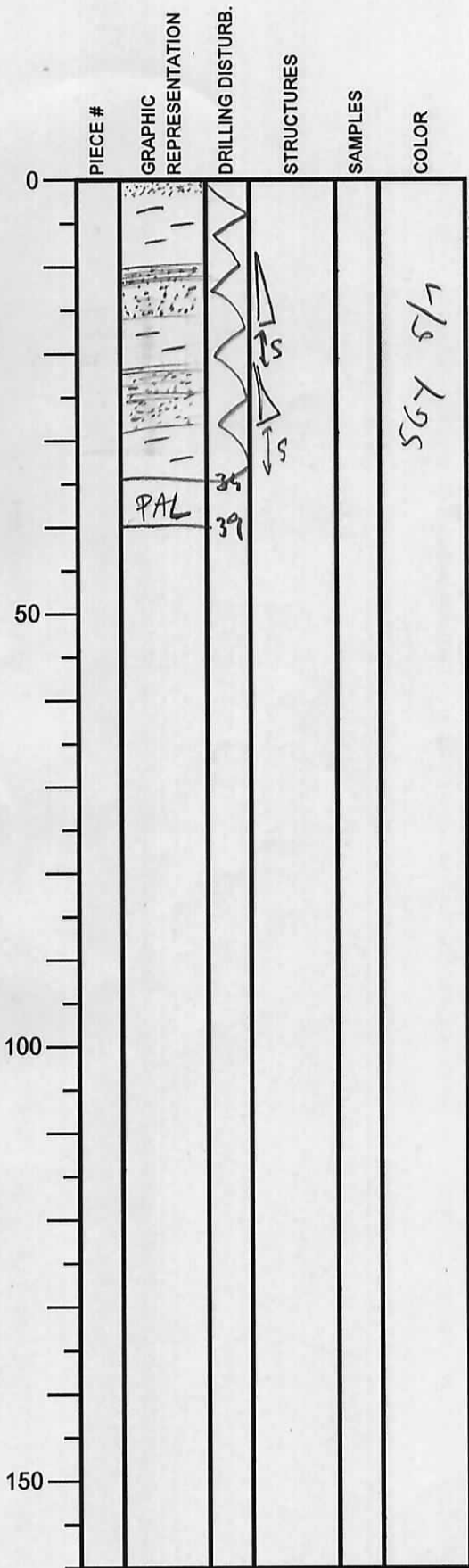
Integrated Ocean Drilling Program

Visual Core Description

NO.
 DATE: 06 / 01 / 2013
 EXP.: 338
 SITE/HOLE: C0022B
 CORE: 41X
 SECTION: CC
 TOP DEPTH (m CSF):

Tot. 39 cm
 SECTION DESCRIPTION

OBSERVER:



0-2 cm = medium red
 2-12 cm = silty clay
 12-16 cm = fine upwards (FU)
 from medium red to fine red
 12-13 cm = plane bedded
 16-22 cm = silty clay
 with botrydial
 22-27 cm = FU from medium
 red to fine red
 27-34 = silty clay
 when botrydial