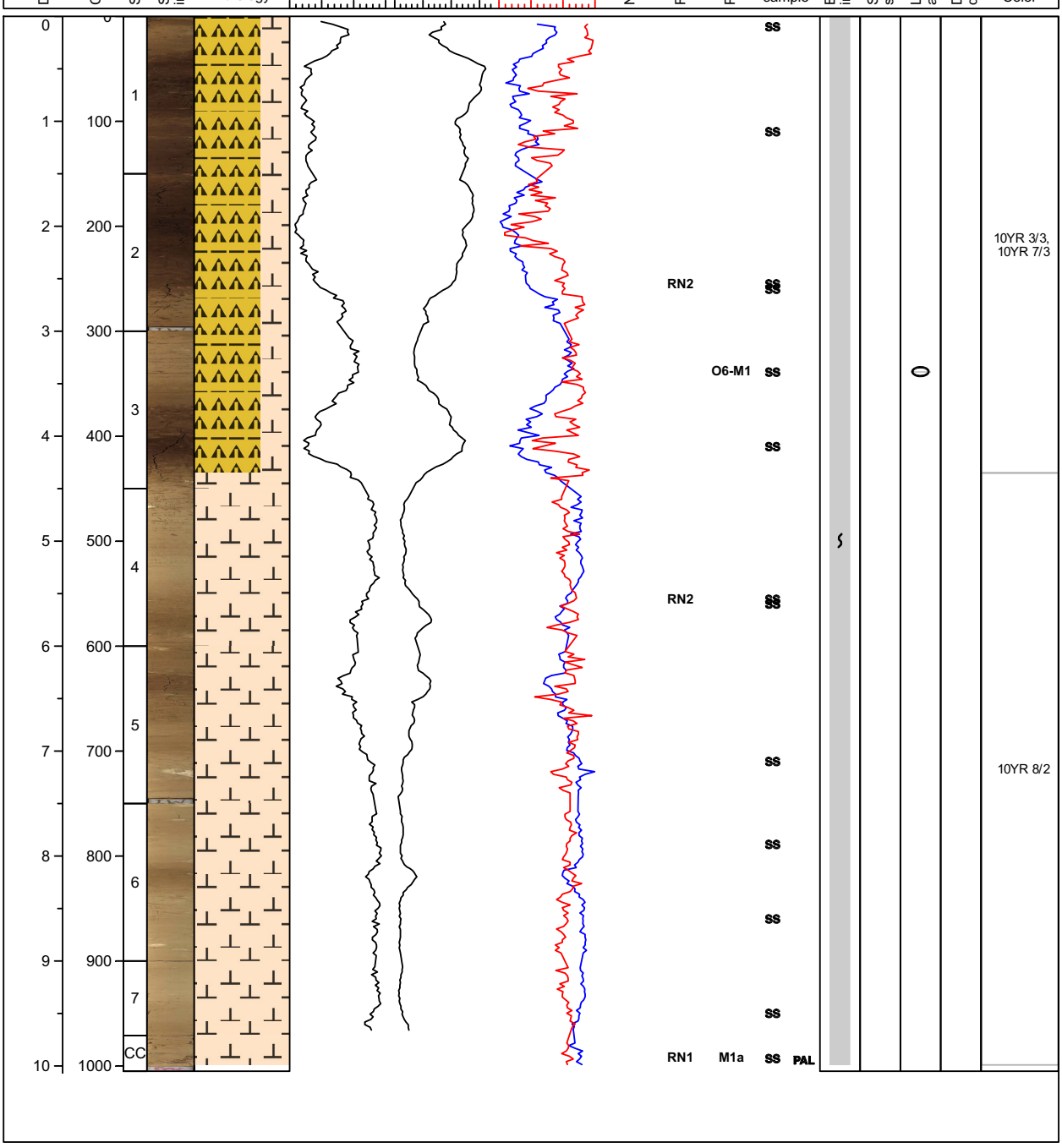
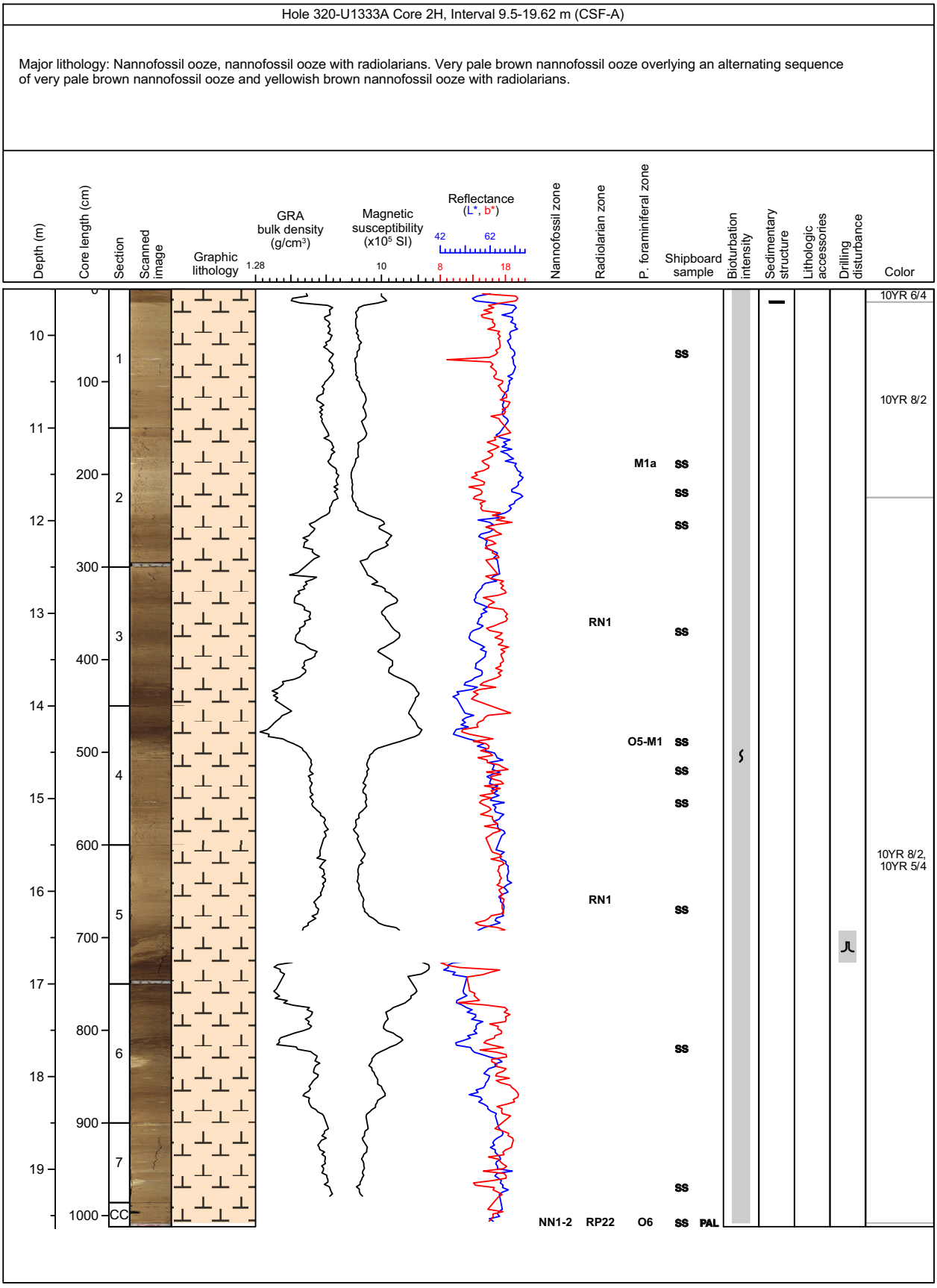
Core Photo

Hole 320-U1333A Core 1H, Interval 0.0-10.05 m (CSF-A)

Major lithology: Nannofossil ooze; clayey radiolarian ooze with nannofossils. Very pale brown nannofossil ooze and overlying alternation of dark brown clayey radiolarian ooze with nannofossils and very pale brown nannofossil ooze.



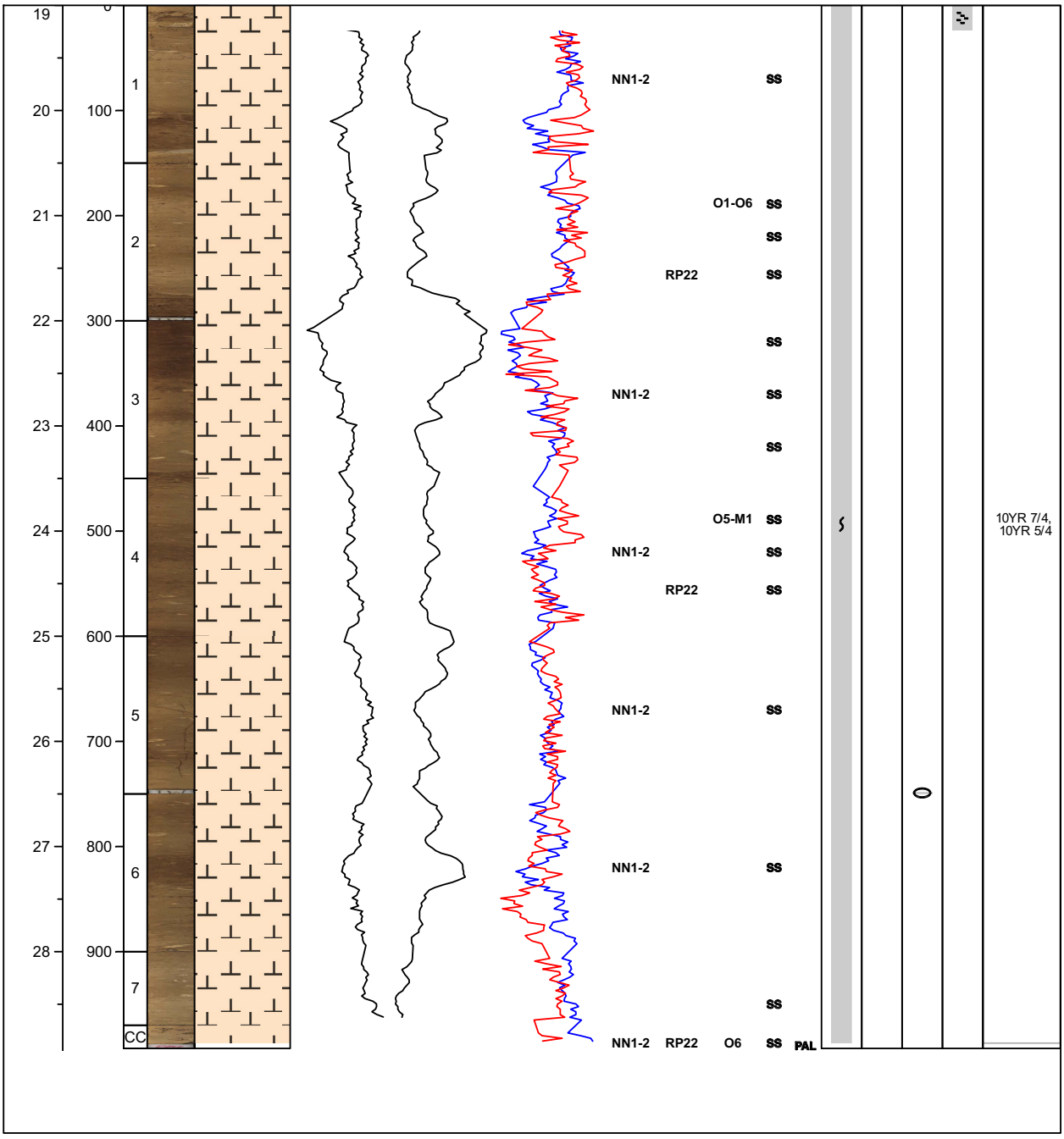
Core Photo


Hole 320-U1333A Core 2H, Interval 9.5-19.62 m (CSF-A)
Major lithology: Nannofossil ooze, nannofossil ooze with radiolarians. Very pale brown nannofossil ooze overlying an alternating sequence of very pale brown nannofossil ooze and yellowish brown nannofossil ooze with radiolarians.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
1.28
Magnetic susceptibility (x10⁵ SI)
10
Reflectance (L*, b*)
42
62
8
18
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
10YR 6/4
10YR 8/2
10YR 8/2, 10YR 5/4
M1a
O5-M1
RN1
RN1
NN1-2
RP22
O6
SS
PAL
CC

Core Photo

Hole 320-U1333A Core 3H, Interval 19.0-28.92 m (CSF-A)

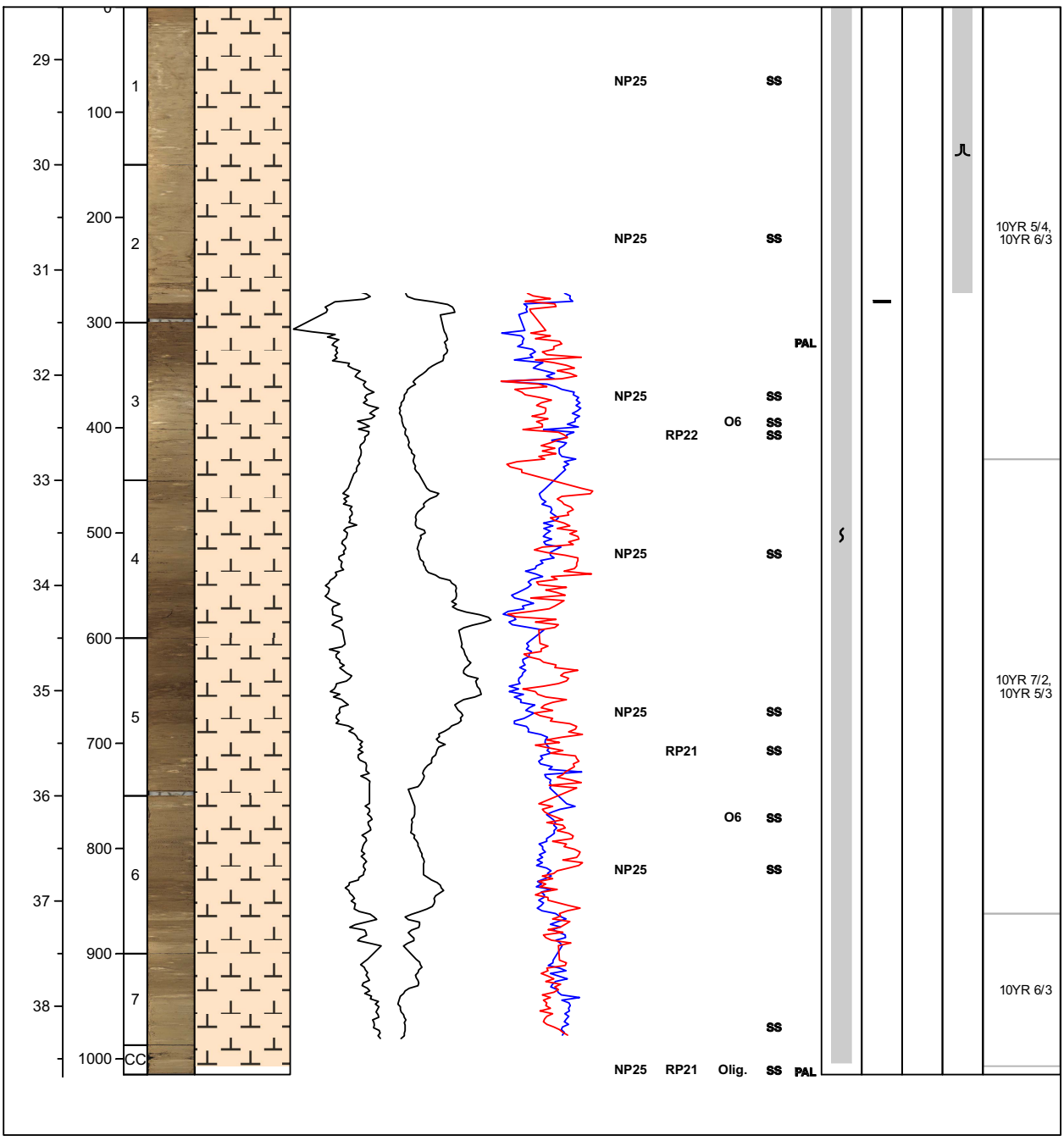
Major lithology: Nannofossil ooze; nannofossil ooze with radiolarians. Alternating sequence of very pale brown nannofossil ooze and yellowish brown nannofossil ooze with radiolarians.



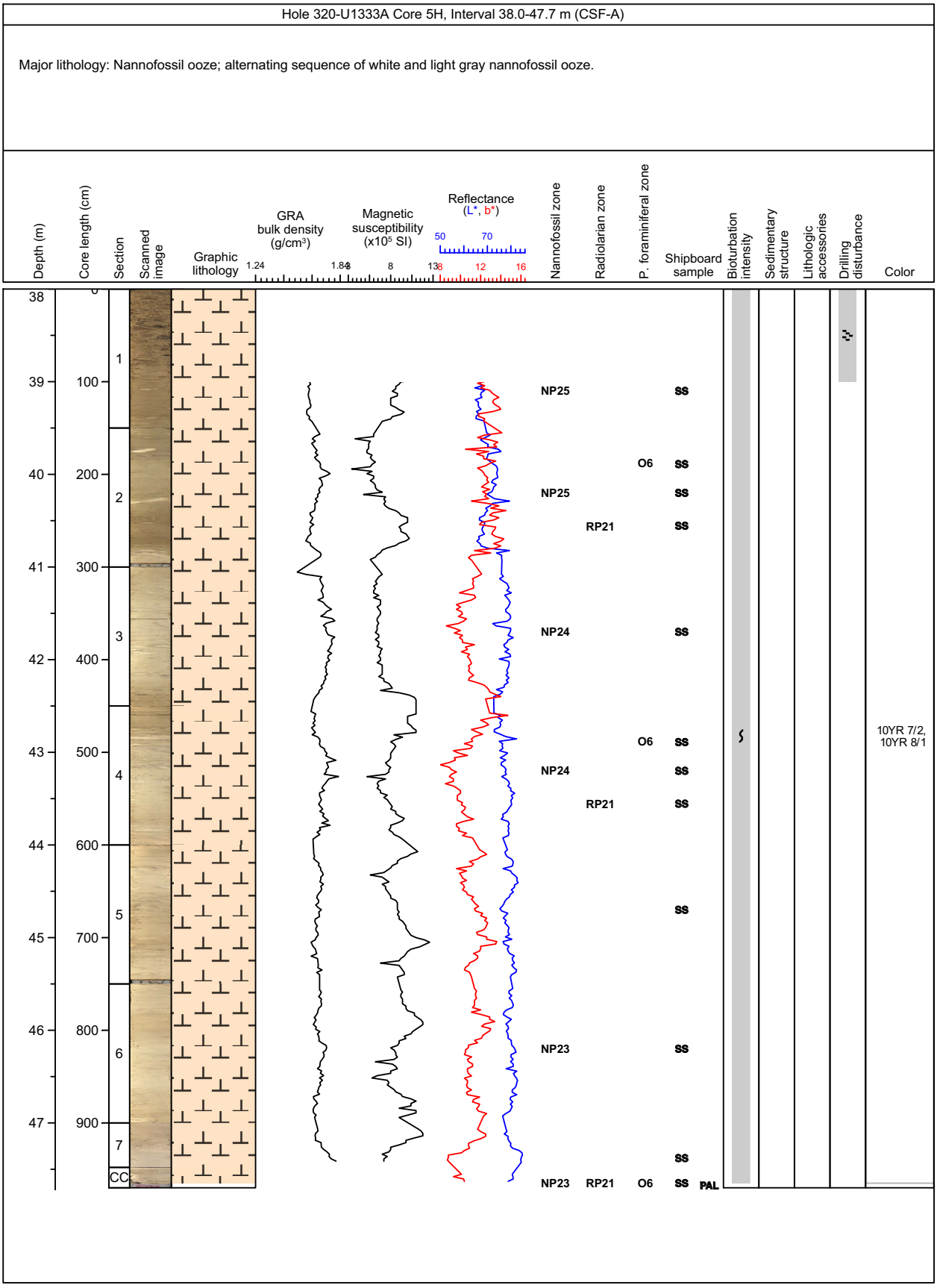
Core Photo

Hole 320-U1333A Core 4H, Interval 28.5-38.65 m (CSF-A)

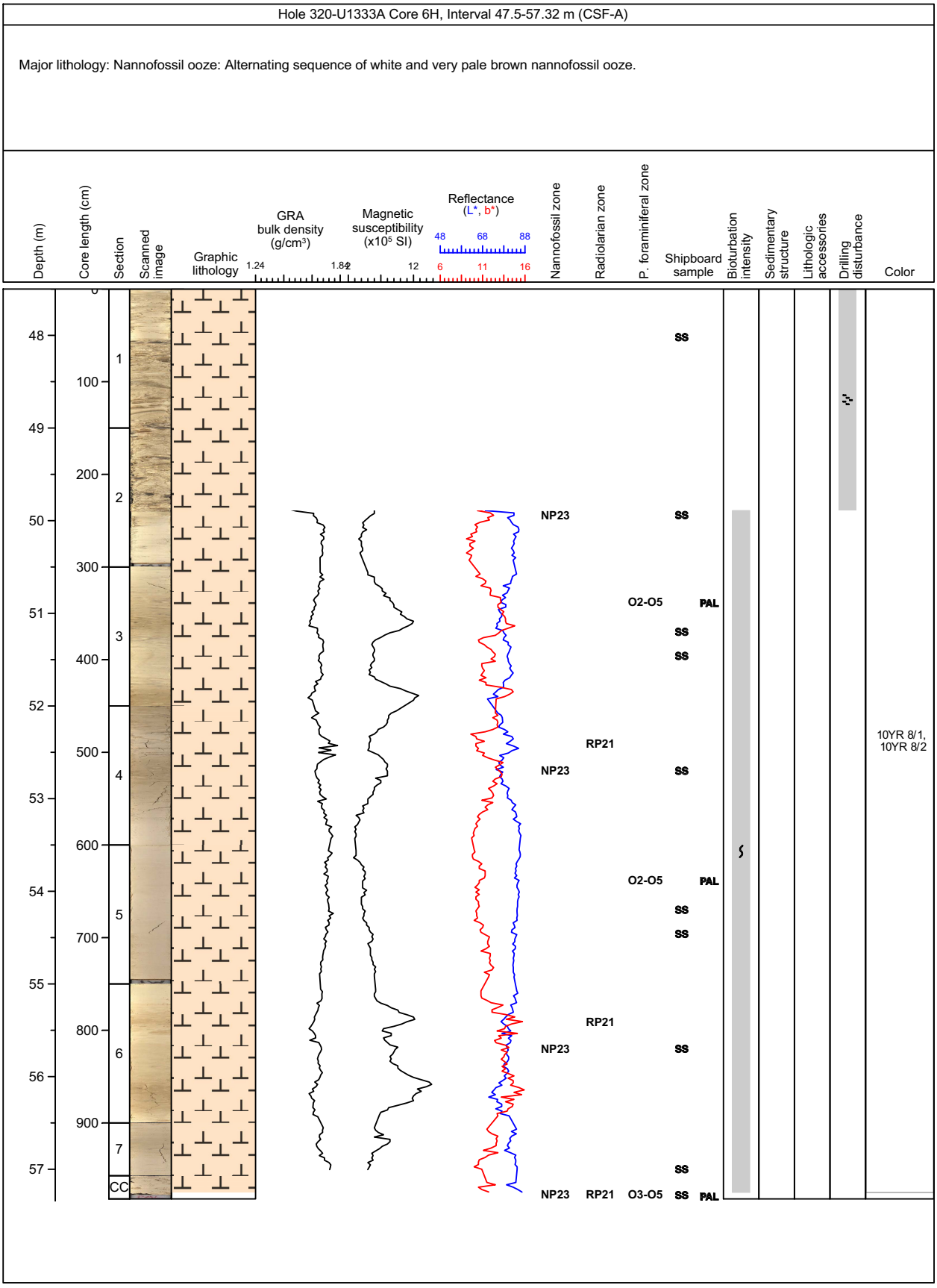
Major lithology: Nannofossil ooze; nannofossil ooze with diatoms; nannofossil ooze with diatoms and radiolarians. Alternating sequence of pale brown nannofossil ooze and yellowish brown nannofossil ooze, as well as alternating sequence of brown nannofossil ooze with diatoms and very pale brown nannofossil ooze with diatoms and radiolarians.



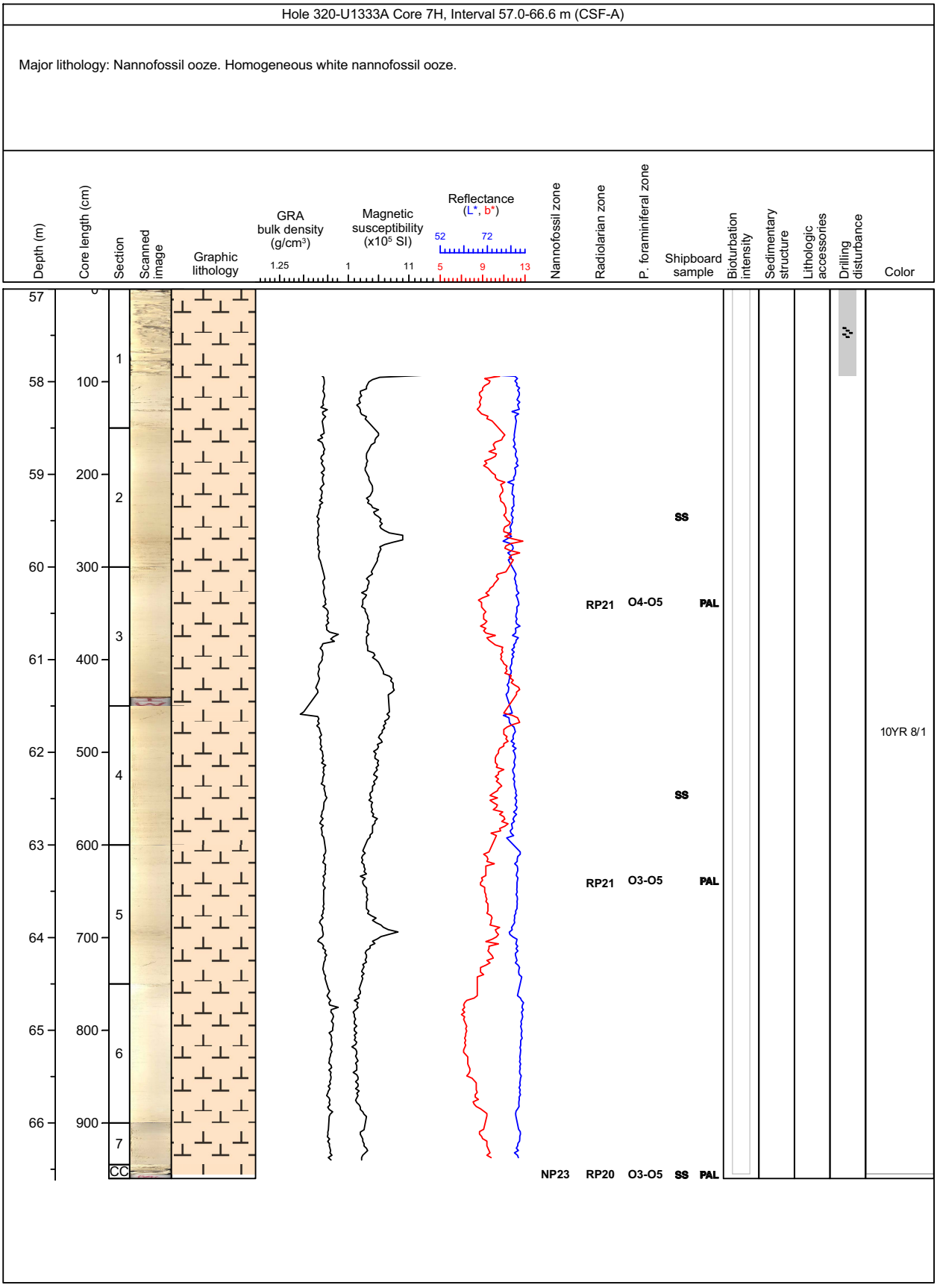
Core Photo


Hole 320-U1333A Core 5H, Interval 38.0-47.7 m (CSF-A)
Major lithology: Nannofossil ooze; alternating sequence of white and light gray nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
Magnetic susceptibility (x10⁵ SI)
Reflectance (L*, b*)
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
10YR 7/2, 10YR 8/1

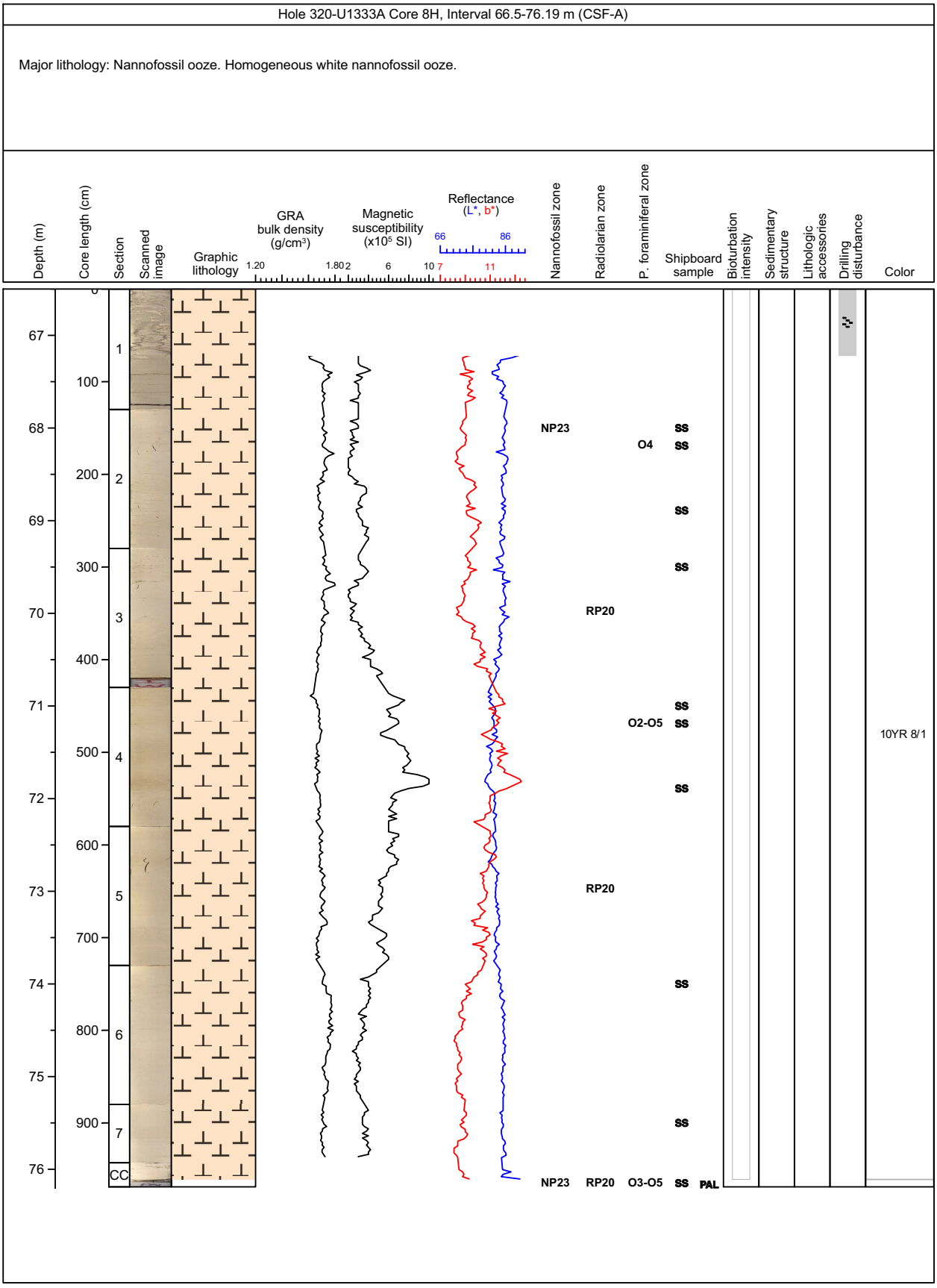
Core Photo


Hole 320-U1333A Core 6H, Interval 47.5-57.32 m (CSF-A)
Major lithology: Nannofossil ooze: Alternating sequence of white and very pale brown nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
Magnetic susceptibility (x10⁵ SI)
Reflectance (L*, b*)
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
10YR 8/1, 10YR 8/2
NP23
RP21
O2-O5
O3-O5
SS
PAL

Core Photo


Hole 320-U1333A Core 7H, Interval 57.0-66.6 m (CSF-A)
Major lithology: Nannofossil ooze. Homogeneous white nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
1.25
1
Magnetic susceptibility (x10⁵ SI)
11
Reflectance (L*, b*)
52
72
5
9
13
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
57
58
59
60
61
62
63
64
65
66
100
200
300
400
500
600
700
800
900
1
2
3
4
5
6
7
CC
SS
RP21
O4-O5
PAL
SS
RP21
O3-O5
PAL
NP23
RP20
O3-O5
SS
PAL
10YR 8/1

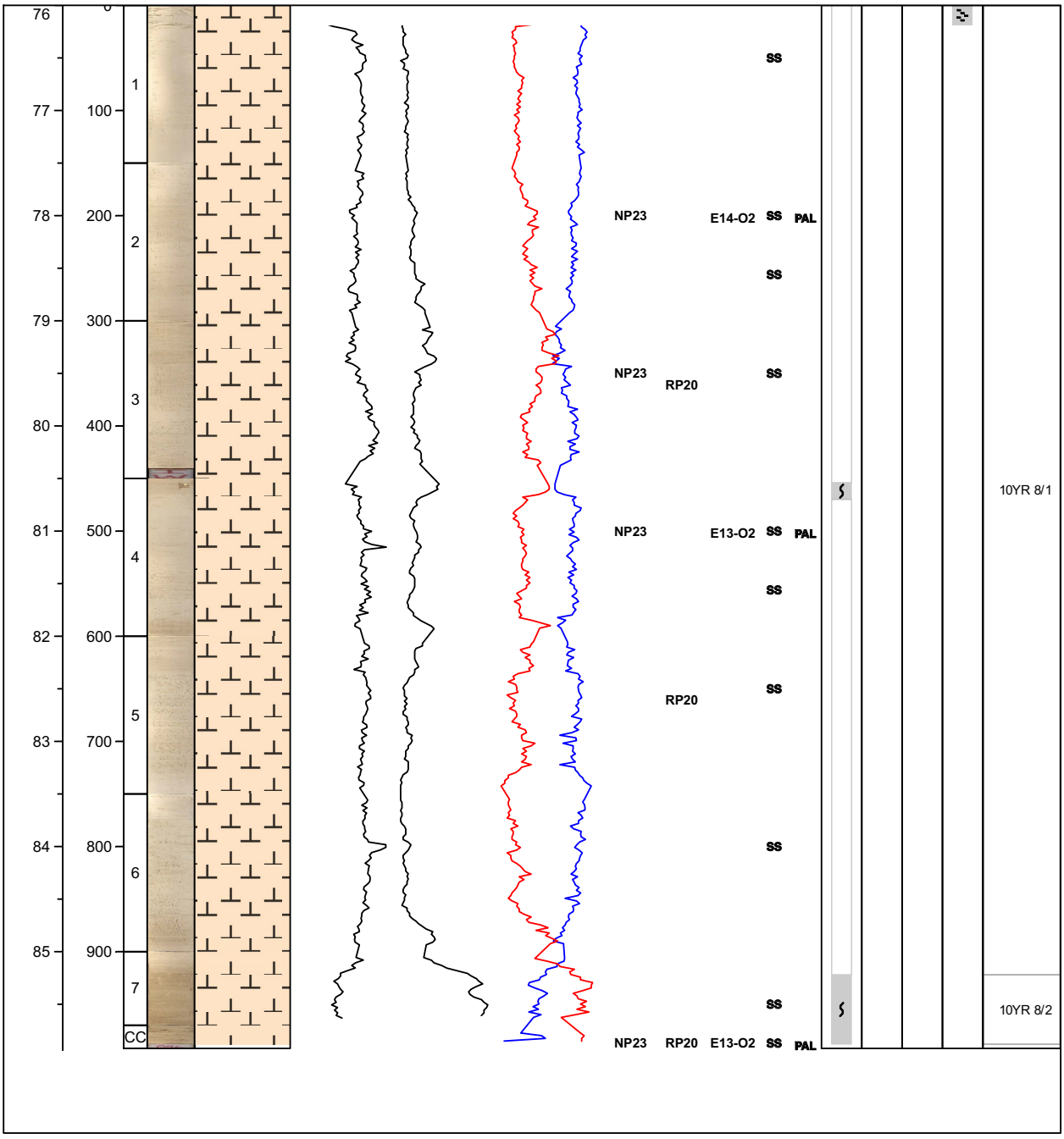
Core Photo


Hole 320-U1333A Core 8H, Interval 66.5-76.19 m (CSF-A)
Major lithology: Nannofossil ooze. Homogeneous white nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
Magnetic susceptibility (x10⁵ SI)
Reflectance (L*, b*)
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
NP23
RP20
O4
O2-O5
O3-O5
SS
PAL
10YR 8/1

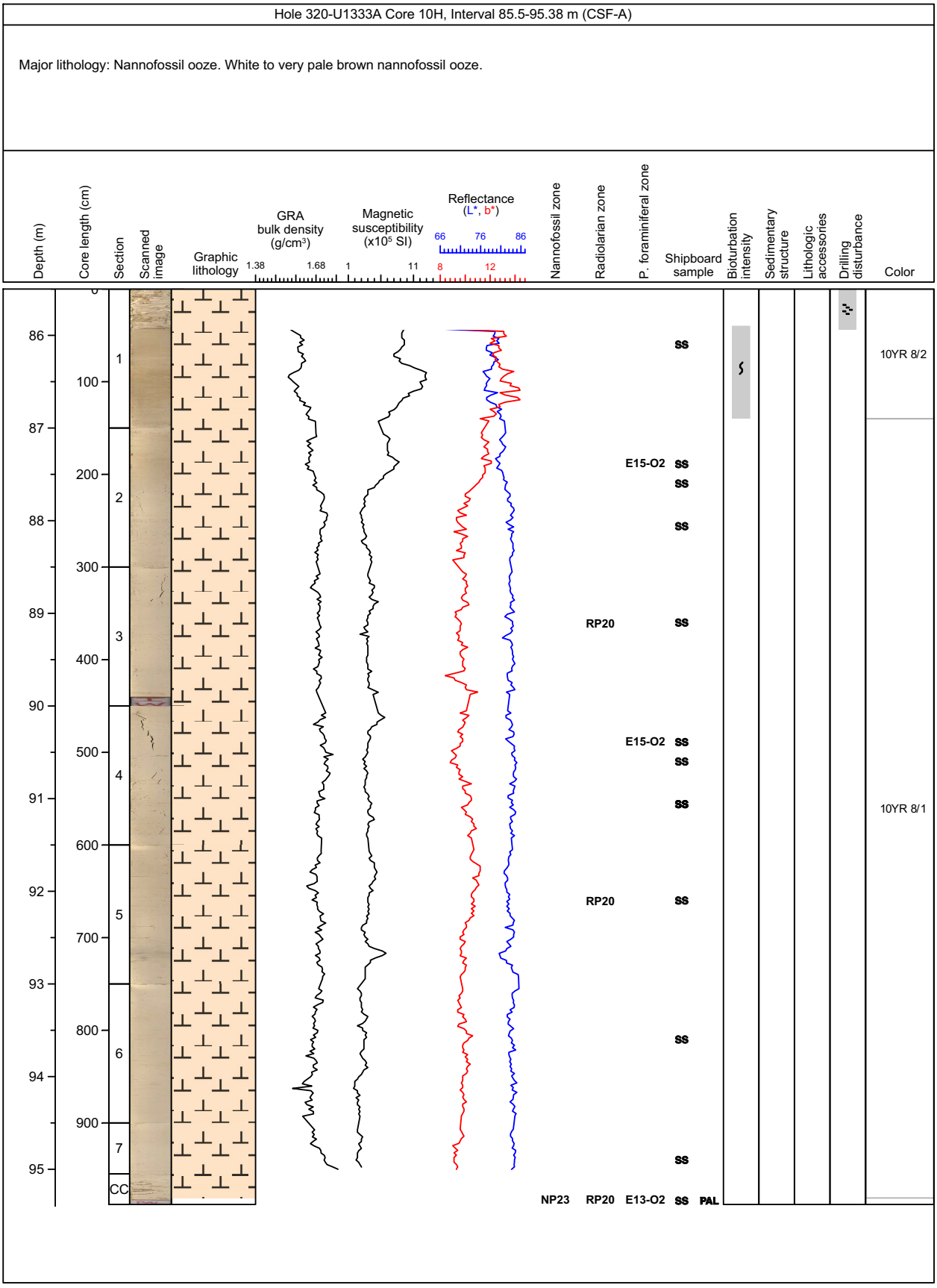
Core Photo

Hole 320-U1333A Core 9H, Interval 76.0-85.92 m (CSF-A)

Major lithology: Nannofossil ooze. Homogeneous white nannofossil ooze except color changes from white to very pale brown from section 7 (22 cm) to base of core.



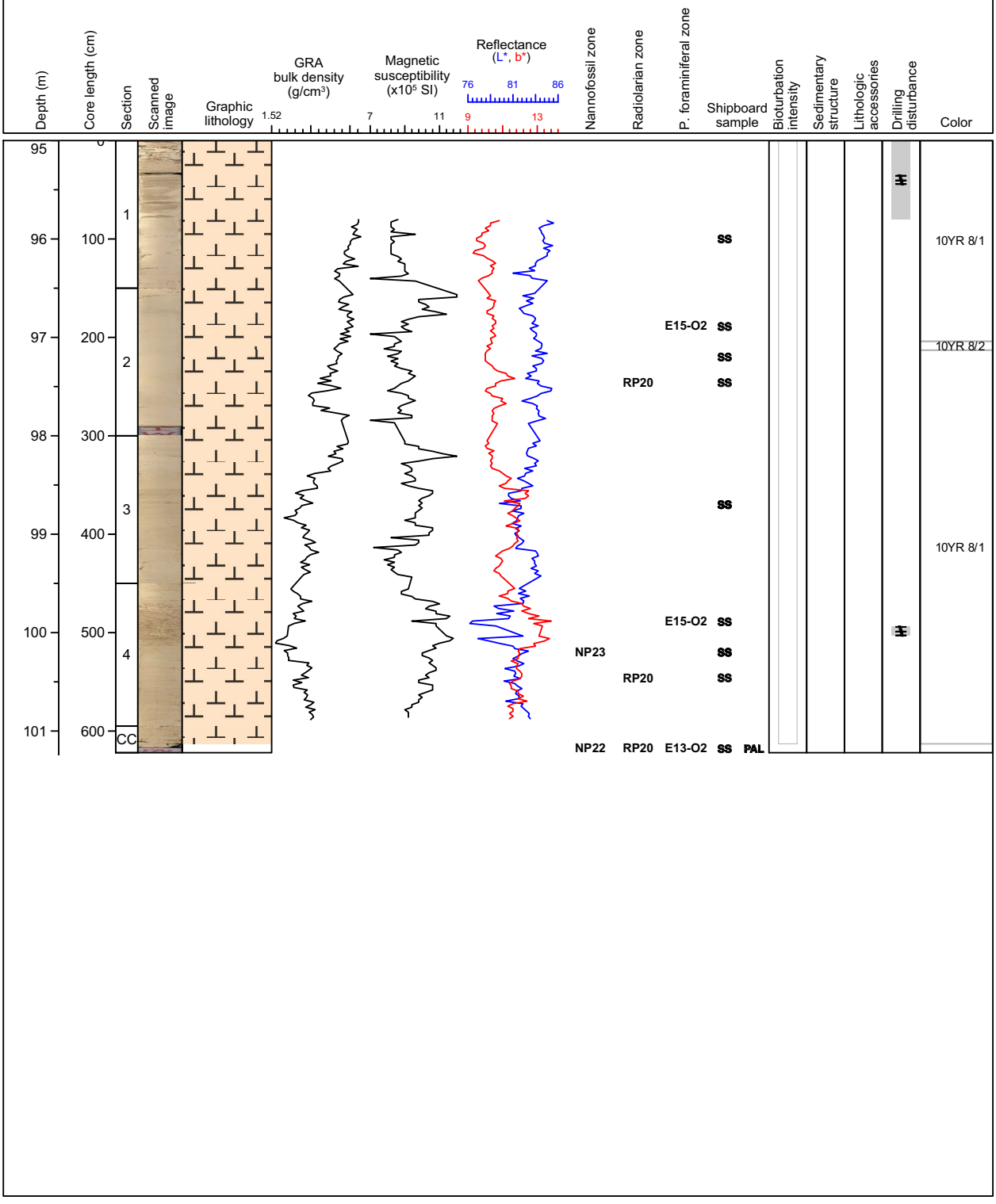
Core Photo


Hole 320-U1333A Core 10H, Interval 85.5-95.38 m (CSF-A)
Major lithology: Nannofossil ooze. White to very pale brown nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
1.38
1.68
Magnetic susceptibility (x10⁵ SI)
1
11
Reflectance (L*, b*)
66
76
86
8
12
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
86
87
88
89
90
91
92
93
94
95
100
200
300
400
500
600
700
800
900
1
2
3
4
5
6
7
CC
SS
E15-O2
RP20
NP23
E13-O2
PAL
10YR 8/2
10YR 8/1

Core Photo

Hole 320-U1333A Core 11X, Interval 95.0-101.22 m (CSF-A)

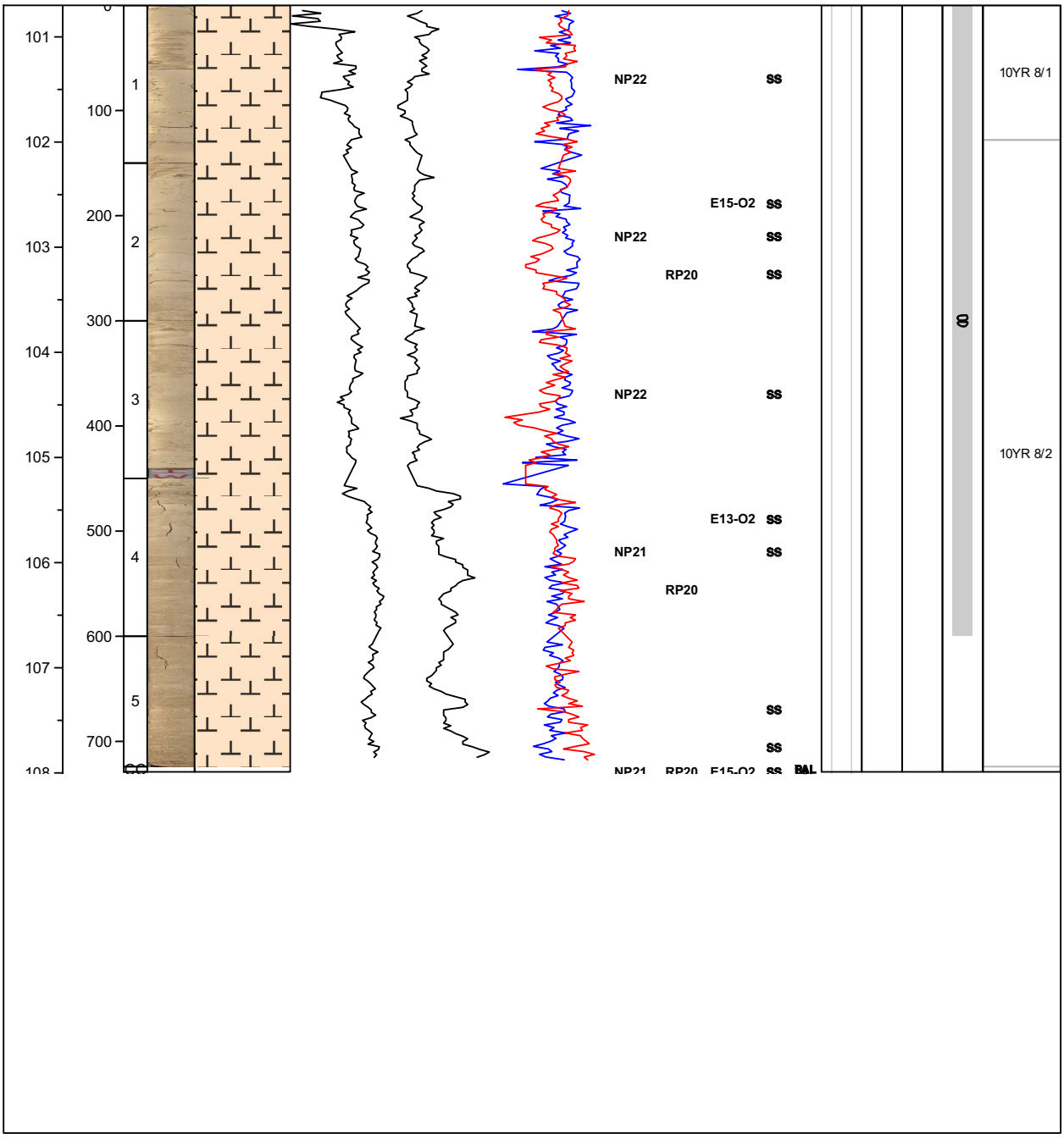
Major lithology: Nannofossil ooze. Homogeneous white nannofossil ooze containing a 10 cm interval of very pale brown nannofossil ooze mid-core.



Core Photo

Hole 320-U1333A Core 12X, Interval 100.7-107.99 m (CSF-A)

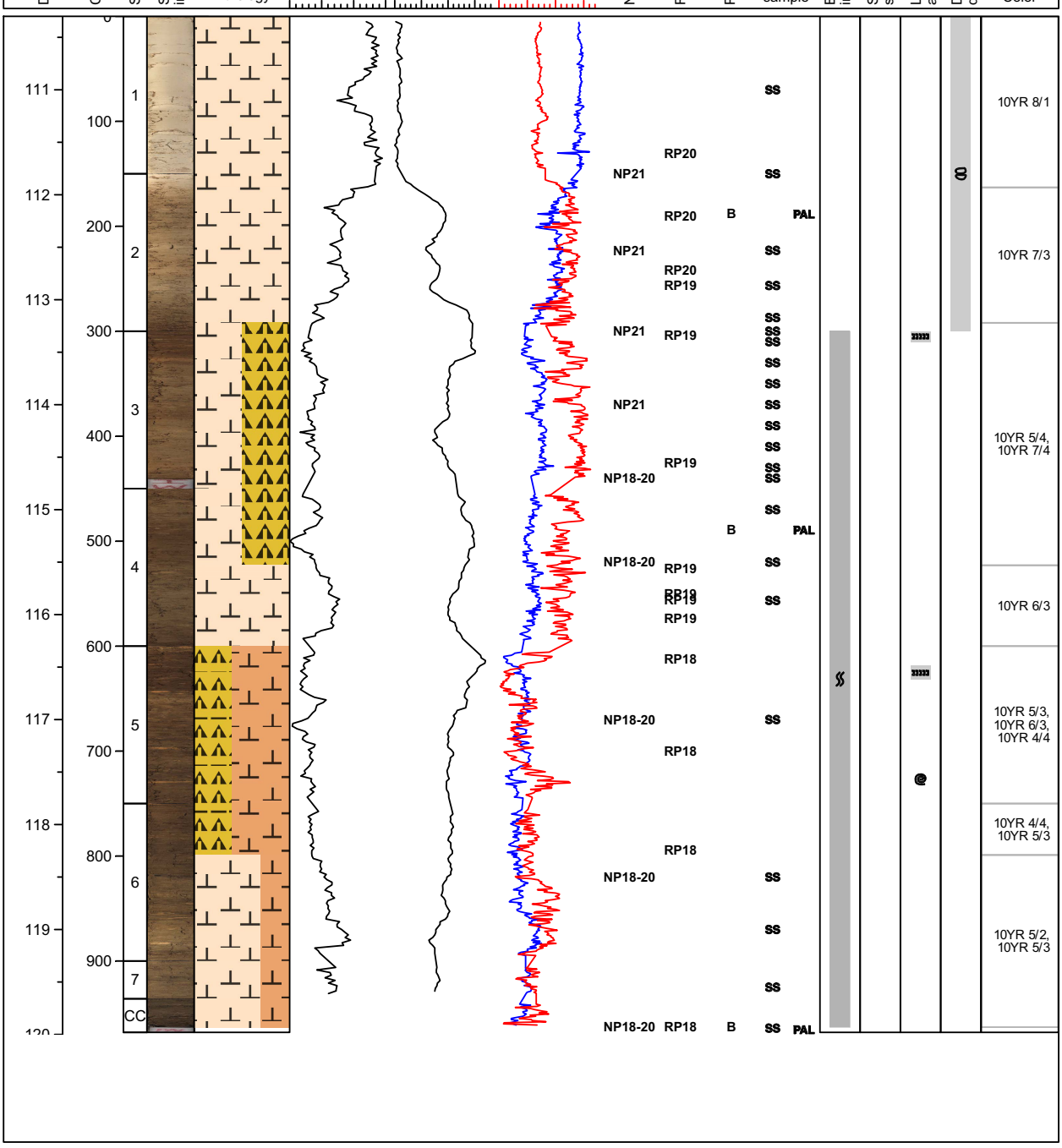
Major lithology: Nannofossil ooze and nannofossil ooze with diatoms. Homogeneous white nannofossil ooze and very pale brown nannofossil ooze with diatoms.



Core Photo

Hole 320-U1333A Core 13X, Interval 110.3-119.98 m (CSF-A)

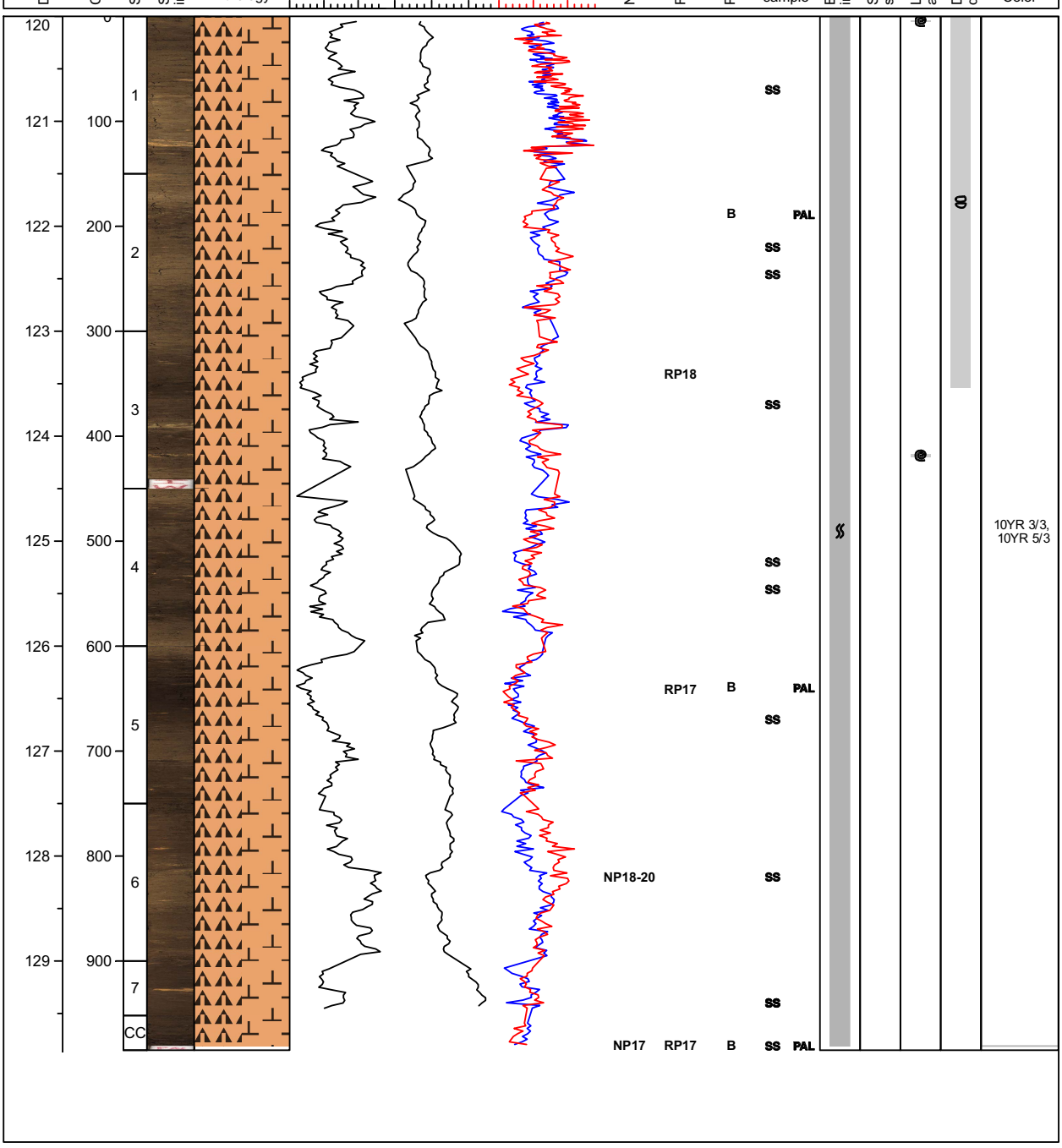
Major lithology: Nannofossil ooze; radiolarian nannofossil ooze; nannofossil ooze with diatoms and radiolarians; nannofossil ooze with radiolarians.
Minor lithology: Clayey radiolarian ooze, radiolarian ooze with clay and nannofossils. White to very pale brown nannofossil ooze grading down core to yellowish brown radiolarian ooze with clay and nannofossils, that ultimately grades into an alternating sequence of brown radiolarian nannofossil ooze and dark yellowish brown clayey radiolarian ooze.



Core Photo

Hole 320-U1333A Core 14X, Interval 120.0-129.85 m (CSF-A)

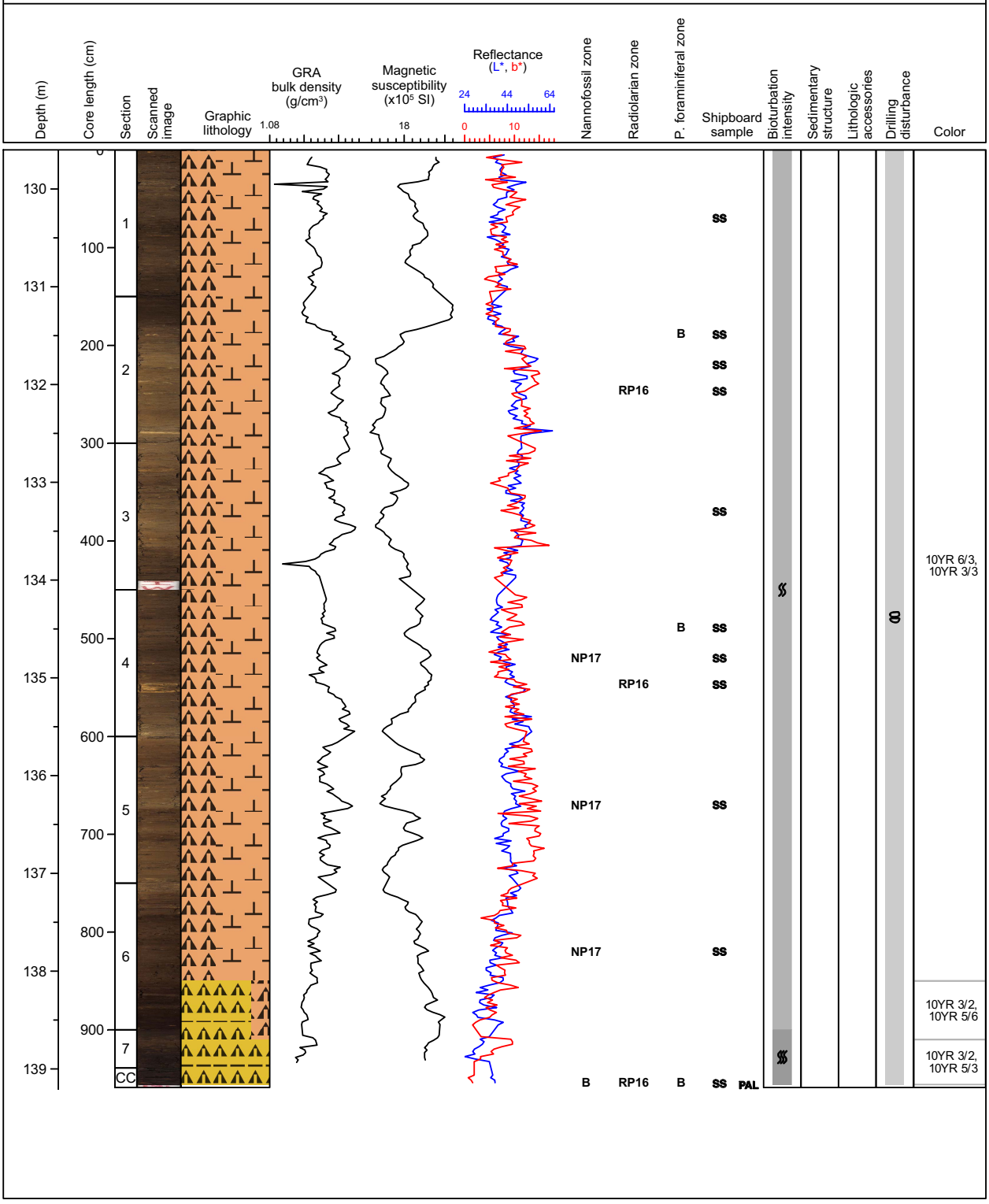
Major lithology: Radiolarian nannofossil ooze; nannofossil radiolarian ooze with clay. Alternation of brown radiolarian nannofossil ooze and dark brown nannofossil radiolarian ooze with clay.



Core Photo

Hole 320-U1333A Core 15X, Interval 129.6-139.19 m (CSF-A)

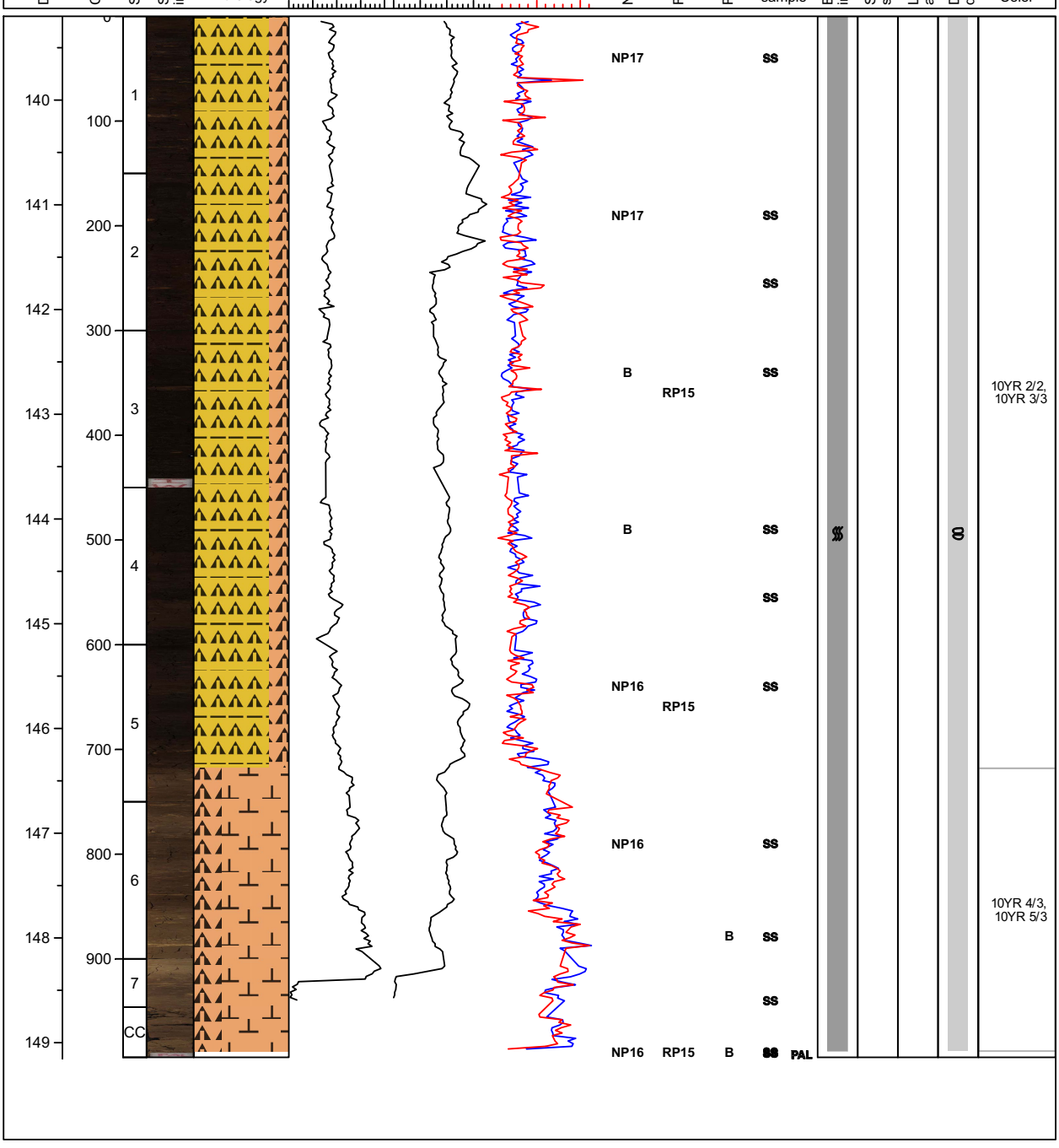
Major lithology: Radiolarian nannofossil ooze; nannofossil radiolarian ooze with clay; clayey radiolarian ooze with nannofossils; nannofossil radiolarian ooze; clayey radiolarian ooze. Minor lithology: Nannofossil ooze layers. Downhole alternations of pale brown radiolarian nannofossil ooze and brown radiolarian nannofossil ooze and dark brown nannofossil radiolarian ooze with clay, very dark grayish brown clayey radiolarian ooze with nannofossils and yellowish brown nannofossil radiolarian ooze, and very dark grayish brown clayey radiolarian ooze and brown clayey radiolarian ooze with nannofossils. Small very pale brown nannofossil ooze layers (1-3cm thick) are interbedded within the dominant lithologies.



Core Photo

Hole 320-U1333A Core 16X, Interval 139.2-149.14 m (CSF-A)

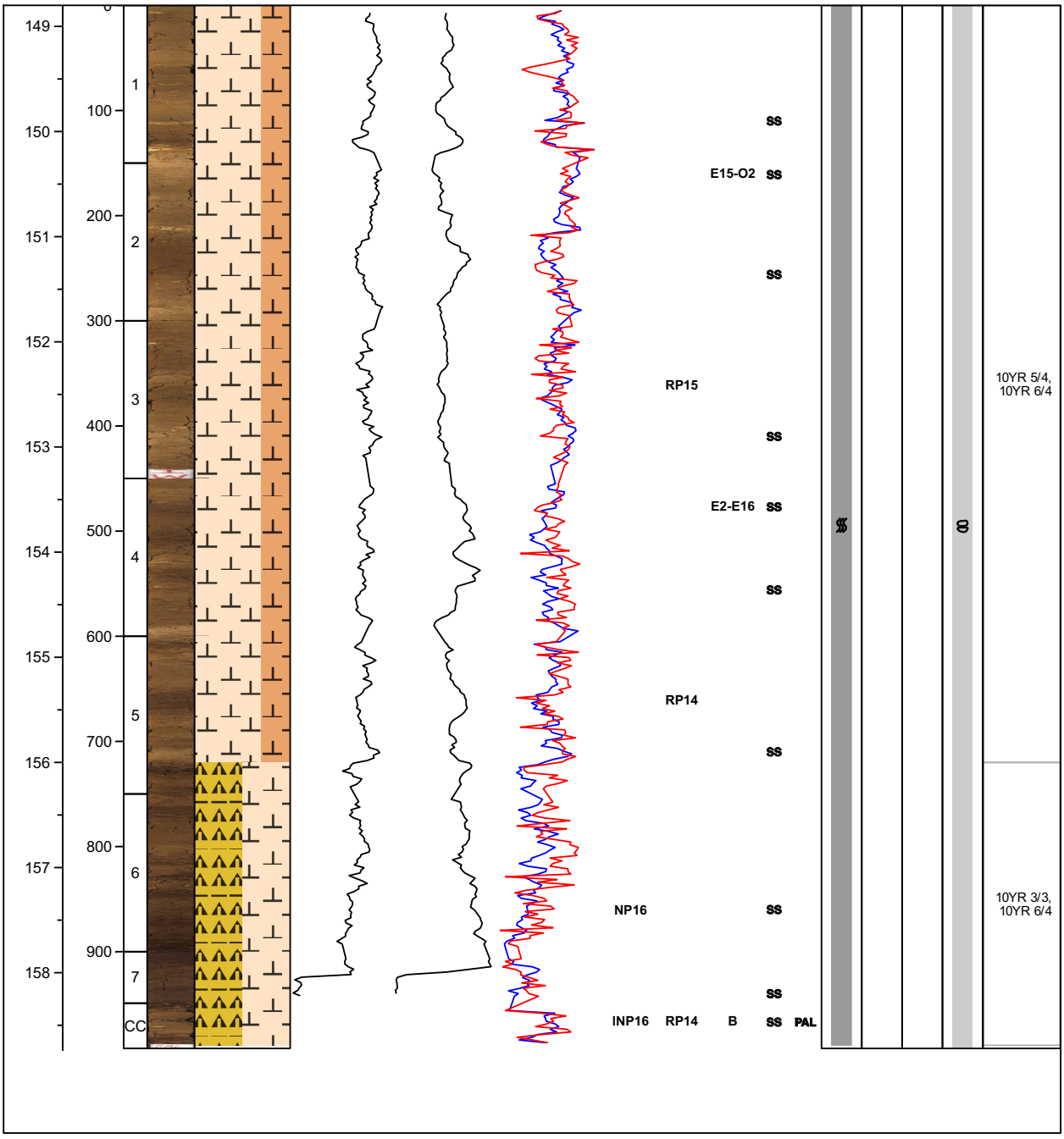
Major lithology: Clayey radiolarian ooze; radiolarian nannofossil ooze. Minor lithology: Nannofossil radiolarian ooze with clay. Alternations of very dark brown clayey radiolarian ooze and dark brown nannofossil radiolarian ooze and of brown radiolarian nannofossil ooze and brown nannofossil radiolarian ooze.



Core Photo

Hole 320-U1333A Core 17X, Interval 148.8-158.72 m (CSF-A)

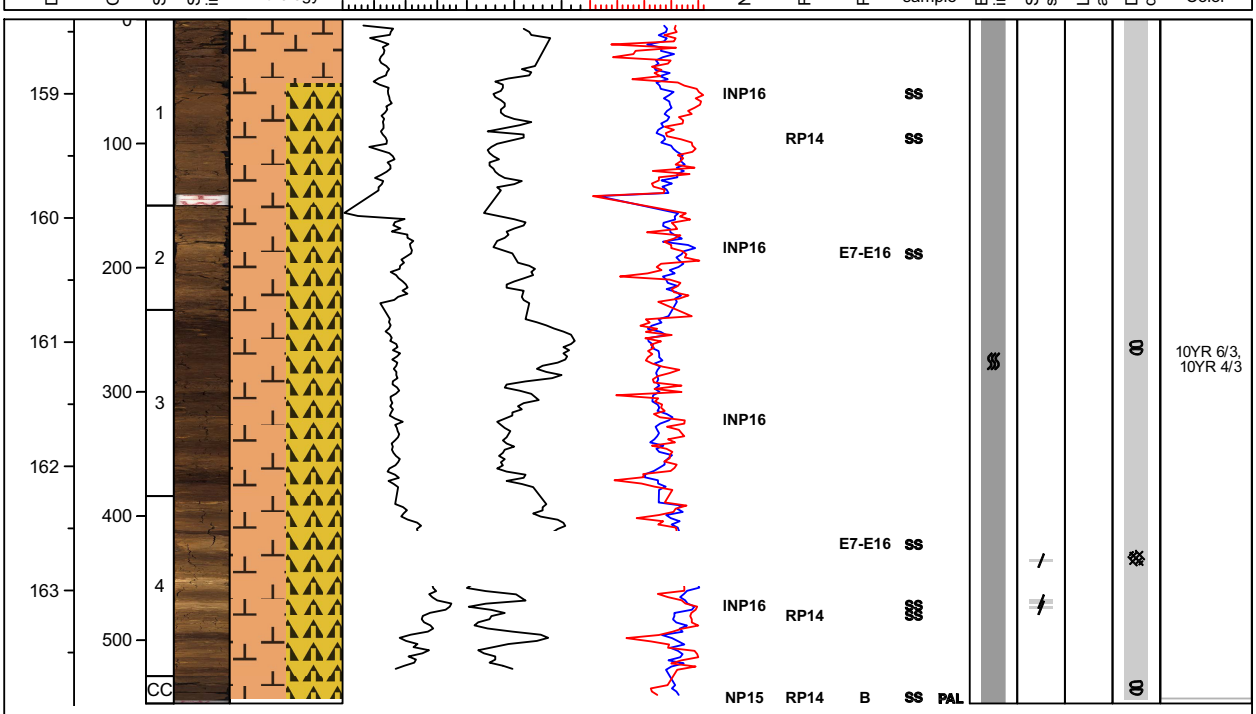
Major lithology: Nannofossil ooze with radiolarians; radiolarian nannofossil with clay; clayey radiolarian ooze; alternation of light yellowish brown nannofossil ooze with radiolarians with yellowish brown radiolarian nannofossil ooze with clay and dark brown clayey radiolarian ooze. Many trace fossils (zoophycos) visible.



Core Photo

Hole 320-U1333A Core 18X, Interval 158.4-163.91 m (CSF-A)

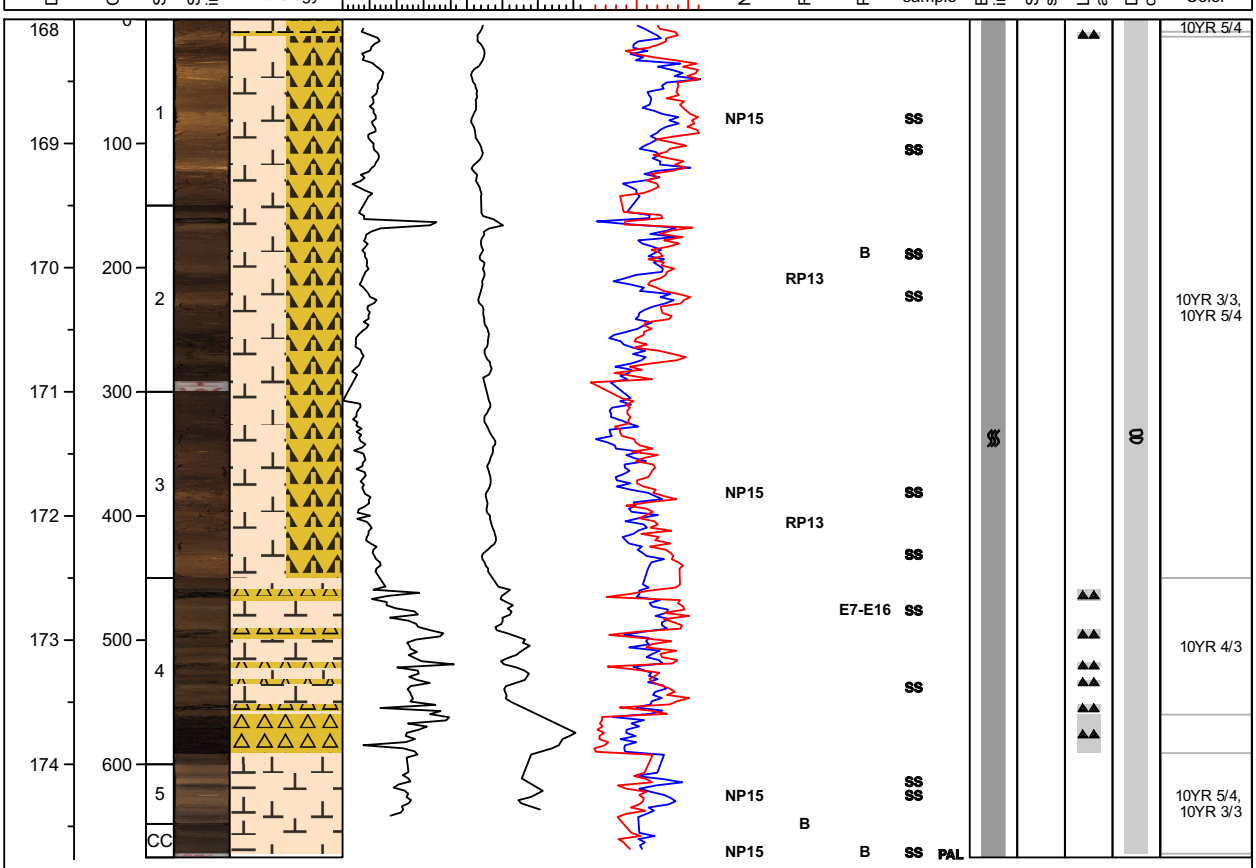
Major lithology: Radiolarian nannofossil ooze; radiolarian ooze with clay and nannofossils. A 50 cm interval of brown radiolarian nannofossil ooze overlies an alternating sequence of brown radiolarian ooze with clay and nannofossils and pale brown radiolarian nannofossil ooze. Biscuits and drilling disturbance occur throughout.



Core Photo

Hole 320-U1333A Core 19X, Interval 168.0-174.75 m (CSF-A)

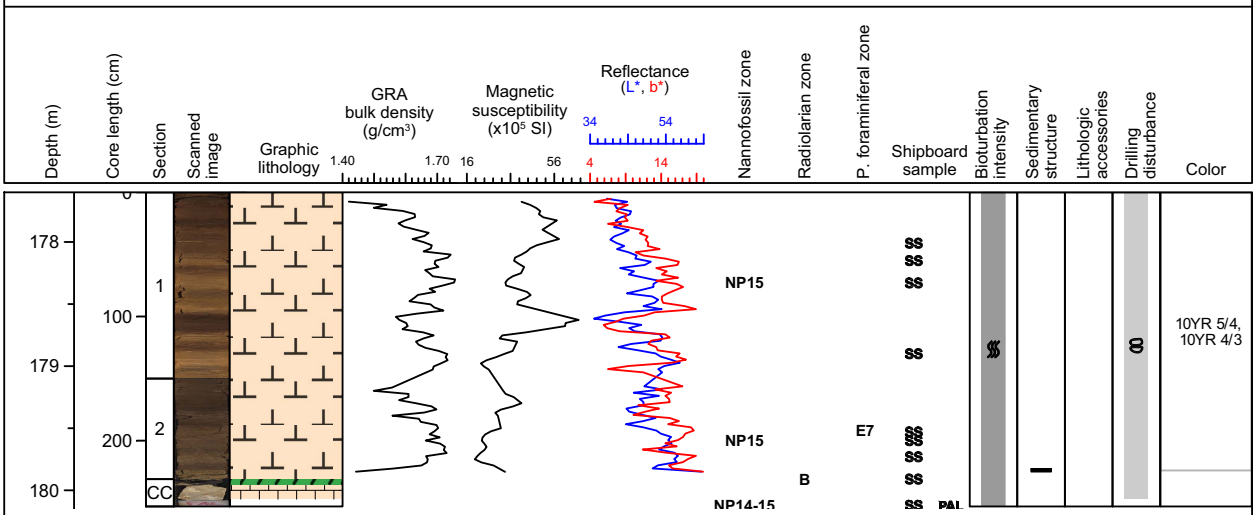
Major lithology: Radiolarian nannofossil ooze; radiolarian ooze with clay; clayey nannofossil ooze. Alternating sequence of yellowish brown radiolarian nannofossil ooze and dark brown radiolarian ooze with clay overlying a sequence of interbedded brown nannofossil ooze with clay and porcellanite layers. Underlying the largest porcellanite is an alternating sequence of yellowish brown nannofossil ooze and dark brown clayey nannofossil ooze.



Core Photo

Hole 320-U1333A Core 20X, Interval 177.6-180.13 m (CSF-A)

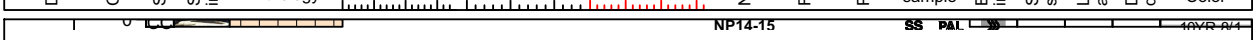
Major lithology: Nannofossil ooze; nannofossil ooze with clay; basalt. Alternating sequence of dark yellowish brown nannofossil ooze with clay and yellowish brown nannofossil ooze overlying a white nannofossil ooze, a small basalt chunk, with limestone at the base.



Core Photo

Hole 320-U1333A Core 21X, Interval 181.6-181.66 m (CSF-A)

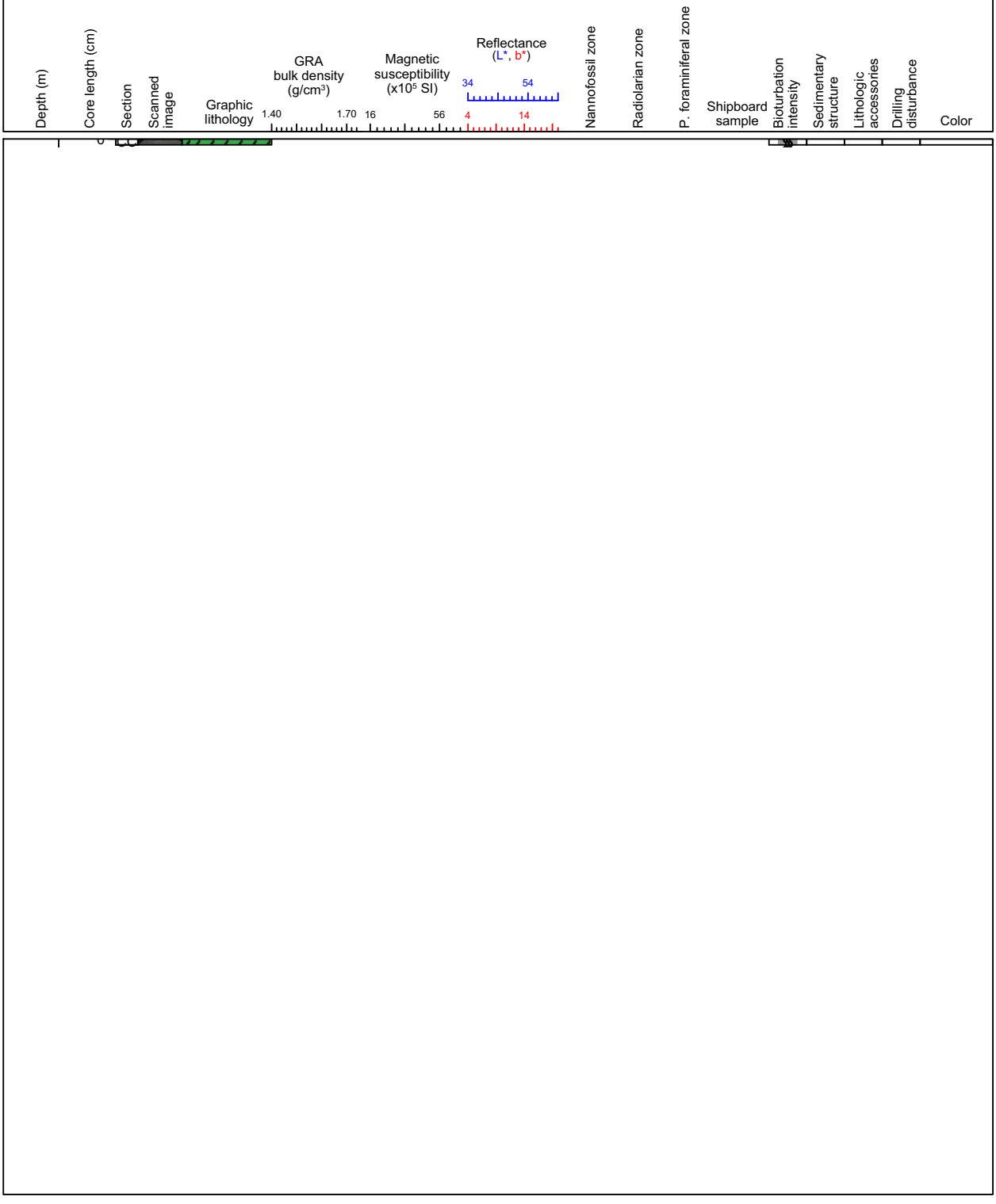
Major lithology: Limestone. White limestone fragments with green flecks.



Core Photo

Hole 320-U1333A Core 22X, Interval 182.6-182.66 m (CSF-A)

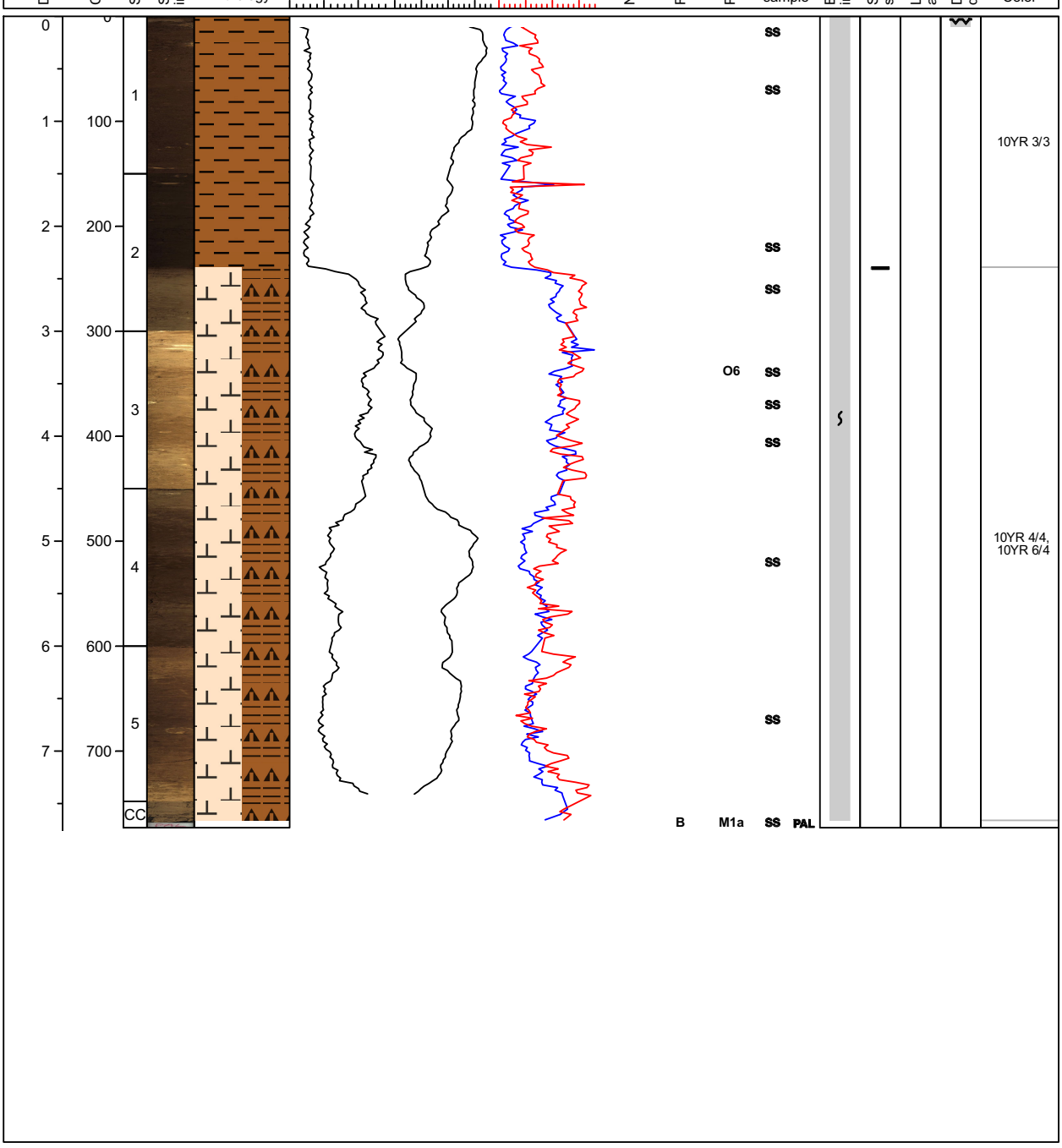
Major lithology: Basalt. Gray basalt pieces, (~5 cm).



Core Photo

Hole 320-U1333B Core 1H, Interval 0.0-7.73 m (CSF-A)

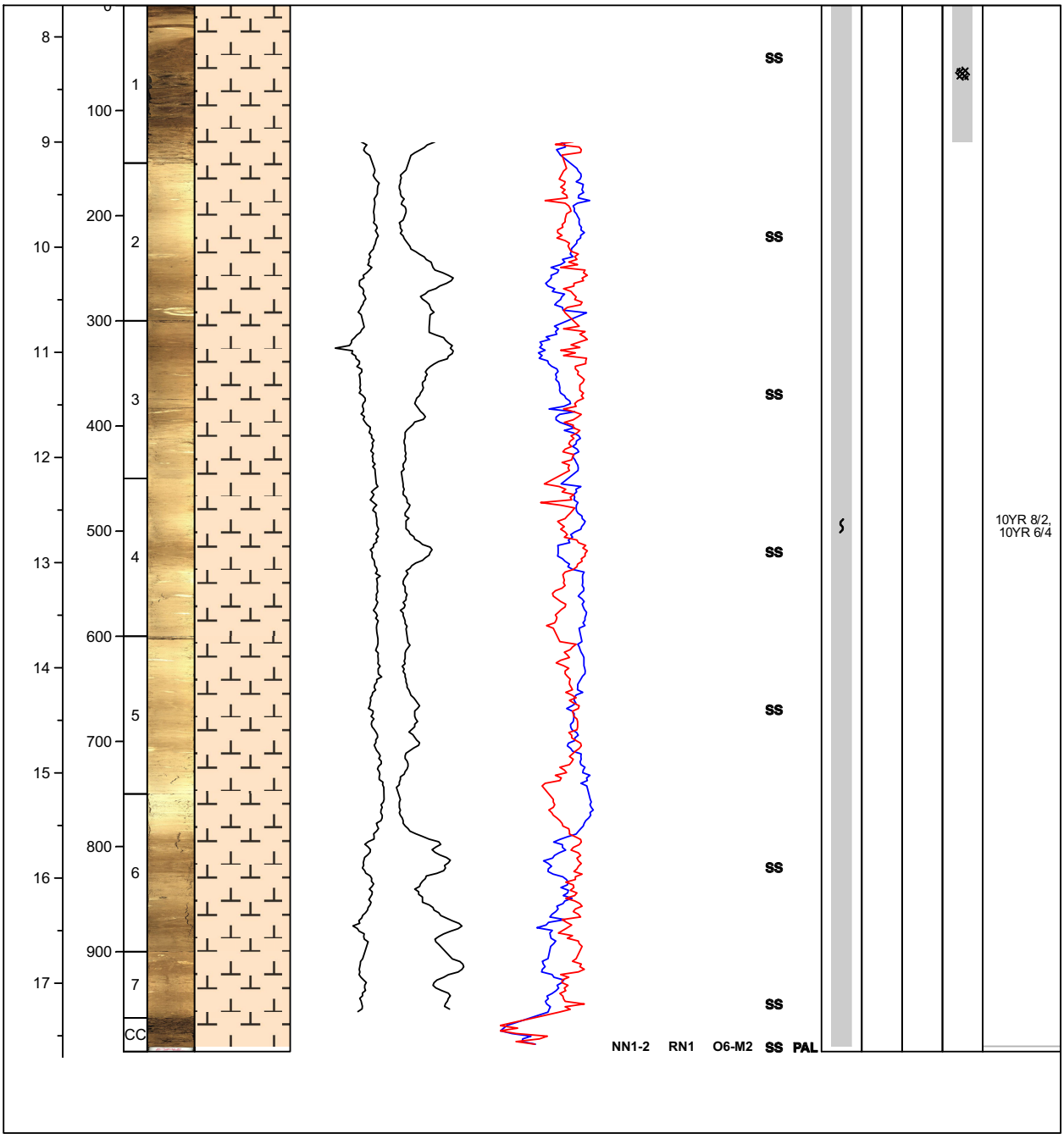
Major lithology: Radiolarian clay with nannofossils; clay with radiolarians; nannofossil ooze with radiolarians. Dark brown clay with radiolarians overlying an alternating sequence of dark yellowish brown radiolarian clay with nannofossils and yellowish brown nannofossil ooze with radiolarians.



Core Photo

Hole 320-U1333B Core 2H, Interval 7.7-17.65 m (CSF-A)

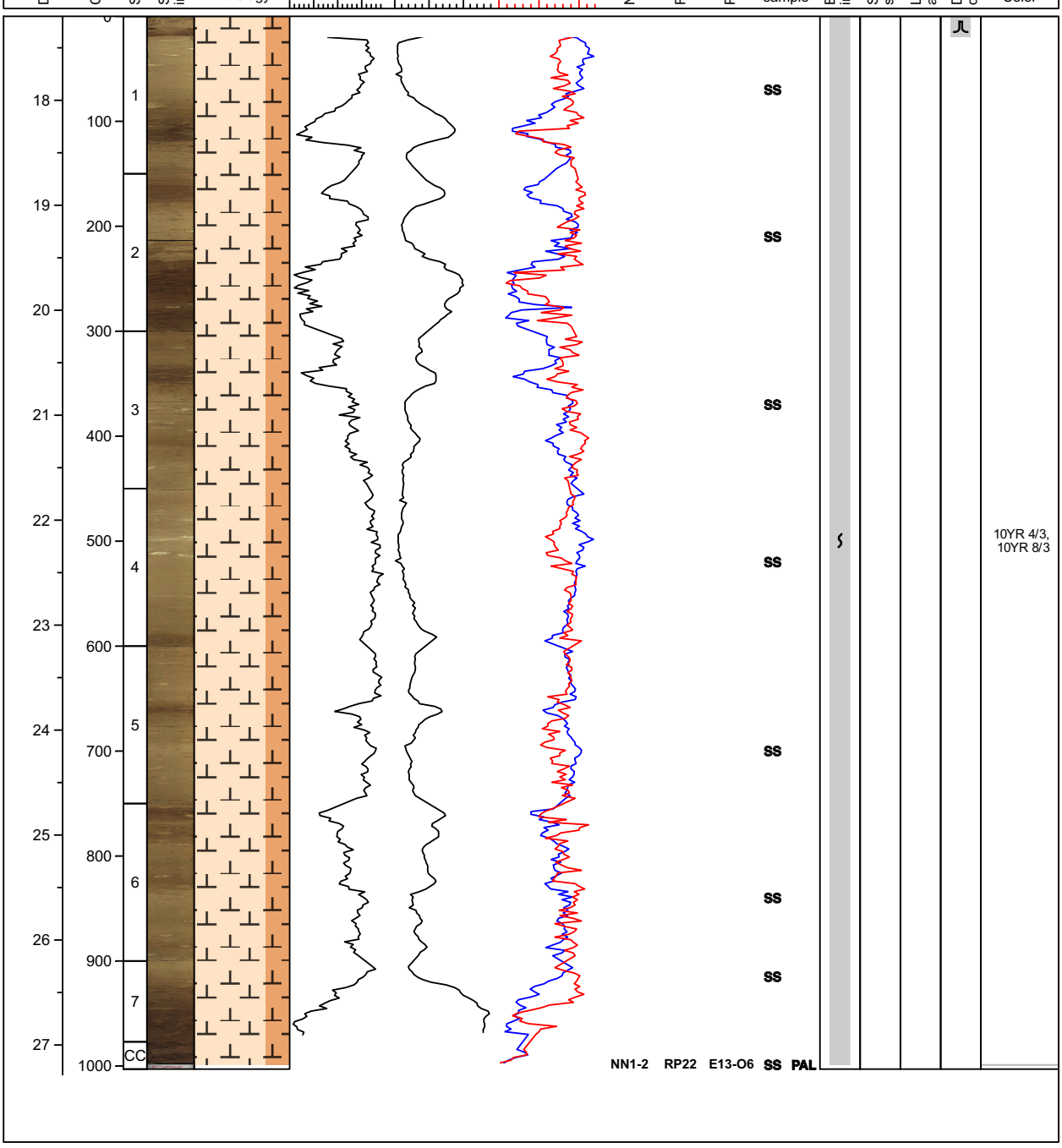
Major lithology: Nannofossil ooze; nannofossil ooze with radiolarians. An alternating sequence of very pale brown nannofossil ooze and light yellowish brown nannofossil ooze with radiolarians.



Core Photo

Hole 320-U1333B Core 3H, Interval 17.2-27.23 m (CSF-A)

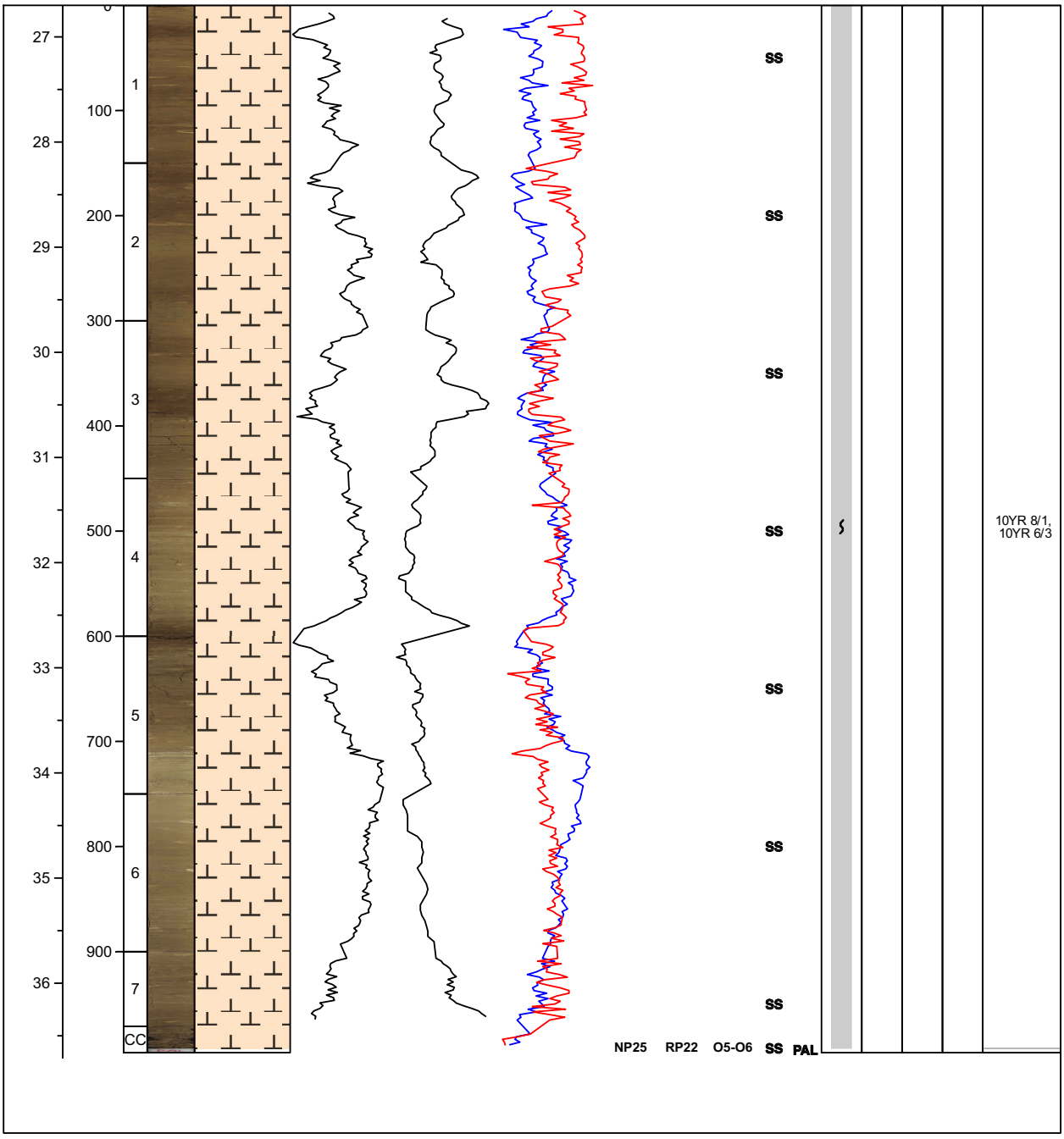
Major lithology: Nannofossil ooze; radiolarian nannofossil ooze with clay. An alternating sequence of very pale brown nannofossil ooze and brown radiolarian nannofossil ooze with clay.



Core Photo

Hole 320-U1333B Core 4H, Interval 26.7-36.66 m (CSF-A)

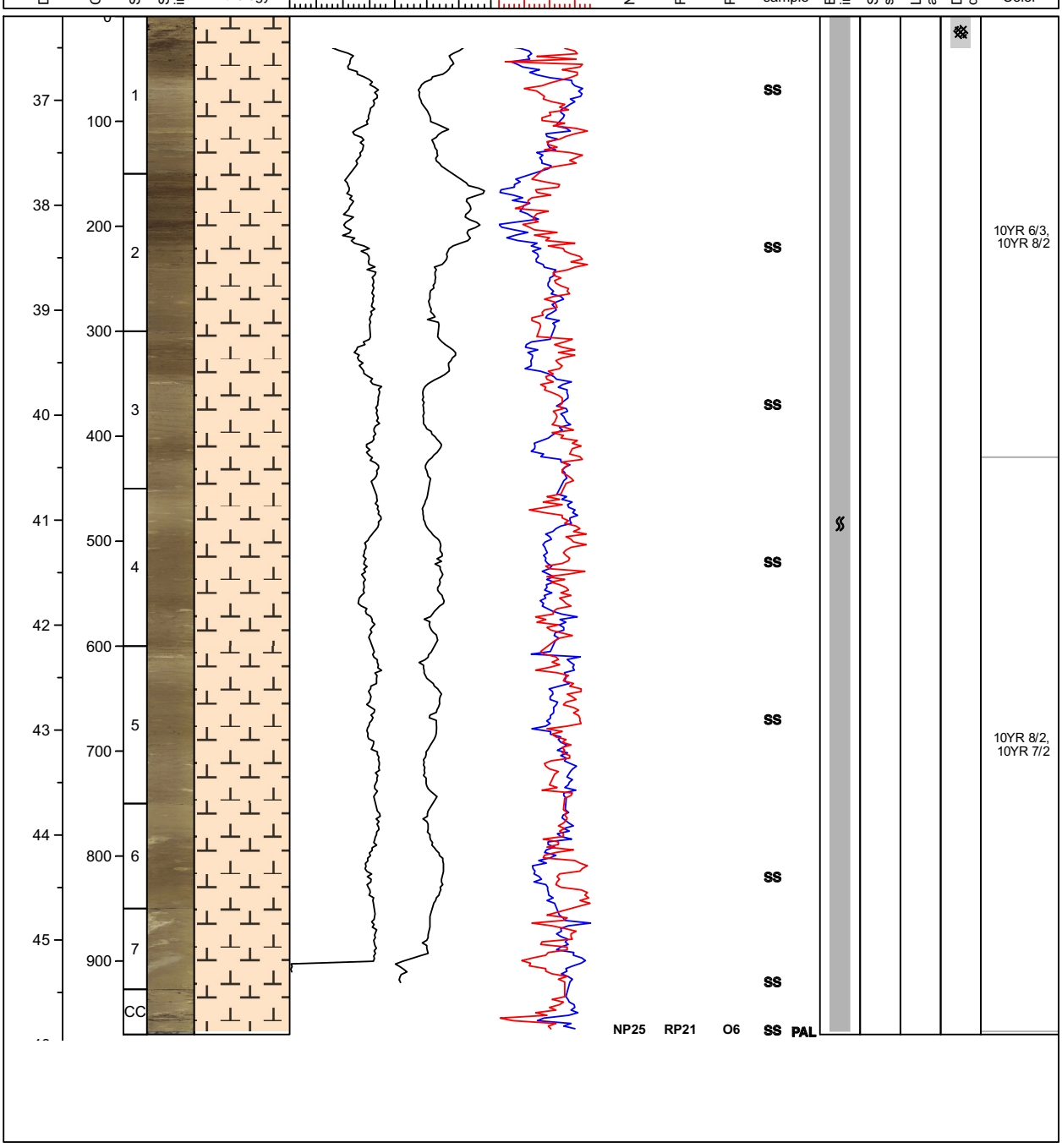
Major lithology: Nannofossil ooze; nannofossil ooze with radiolarians. An alternating sequence of white nannofossil ooze and pale brown nannofossil ooze with radiolarians.



Core Photo

Hole 320-U1333B Core 5H, Interval 36.2-45.9 m (CSF-A)

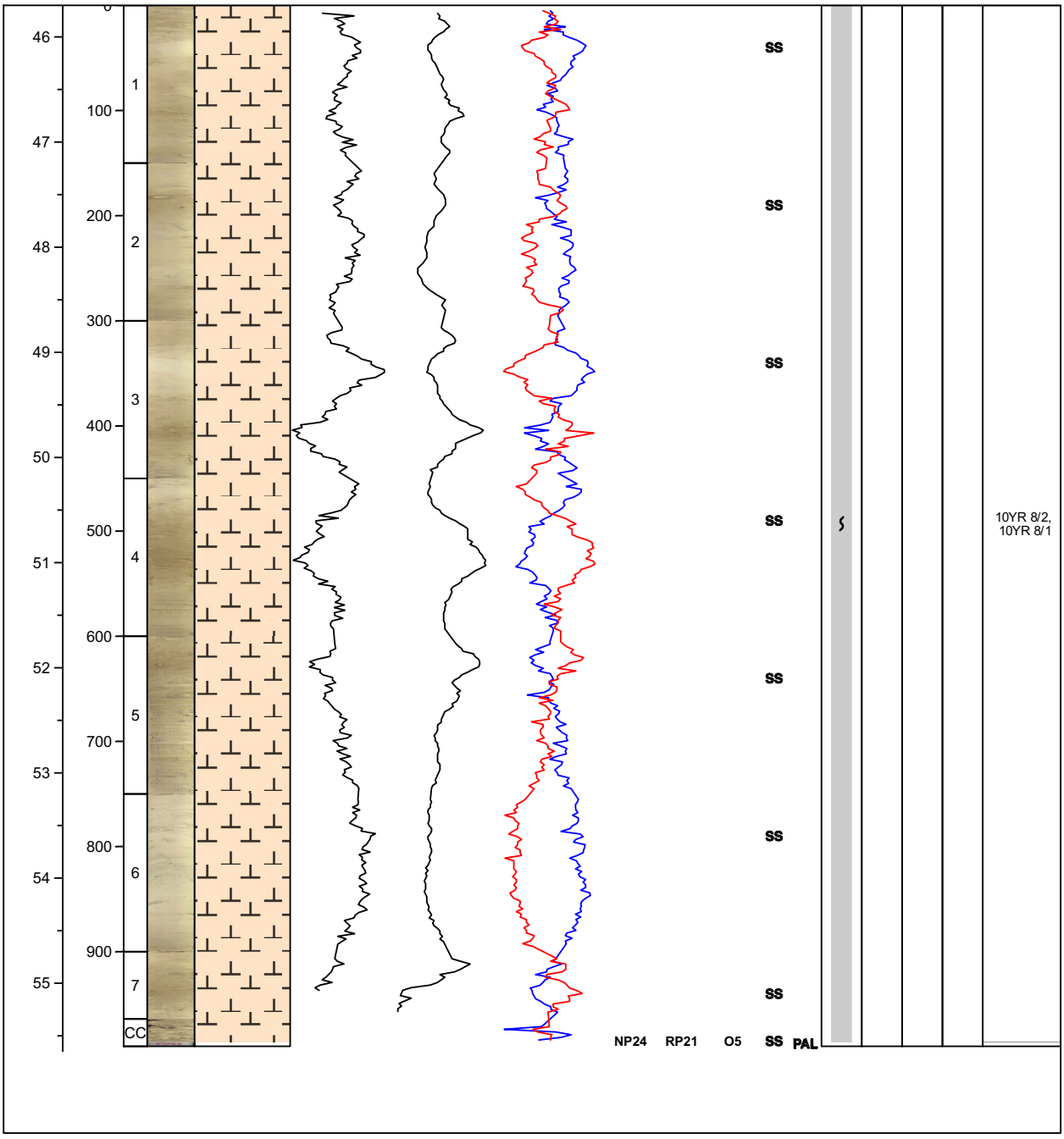
Major lithology: Nannofossil ooze; nannofossil ooze with radiolarians. Downhole alternations of very pale brown nannofossil ooze and pale brown nannofossil ooze with radiolarians, and very pale brown nannofossil ooze and light gray nannofossil ooze.



Core Photo

Hole 320-U1333B Core 6H, Interval 45.7-55.6 m (CSF-A)

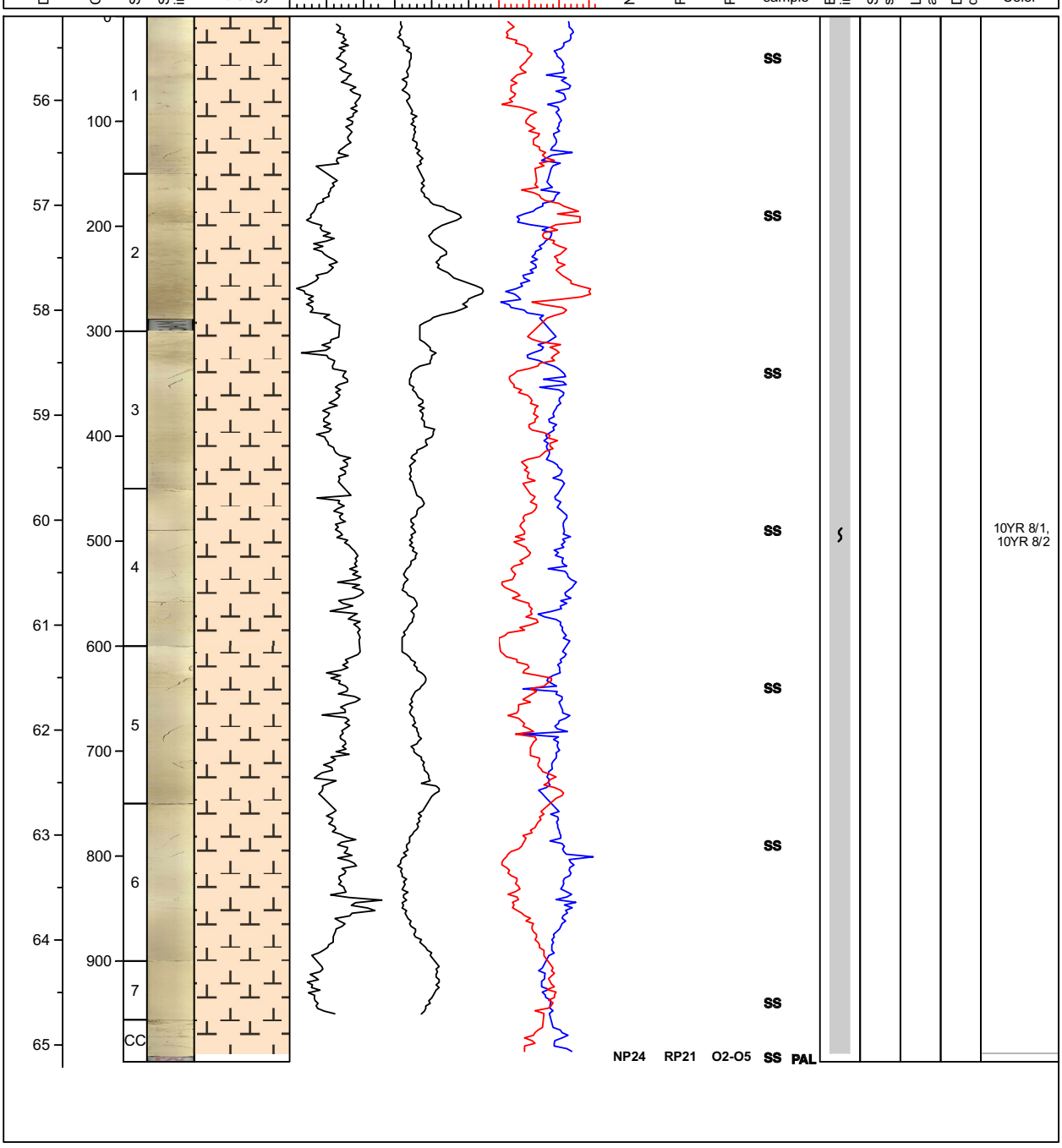
Major lithology: Nannofossil ooze. An alternating sequence of white nannofossil ooze and very pale brown nannofossil ooze.



Core Photo

Hole 320-U1333B Core 7H, Interval 55.2-65.16 m (CSF-A)

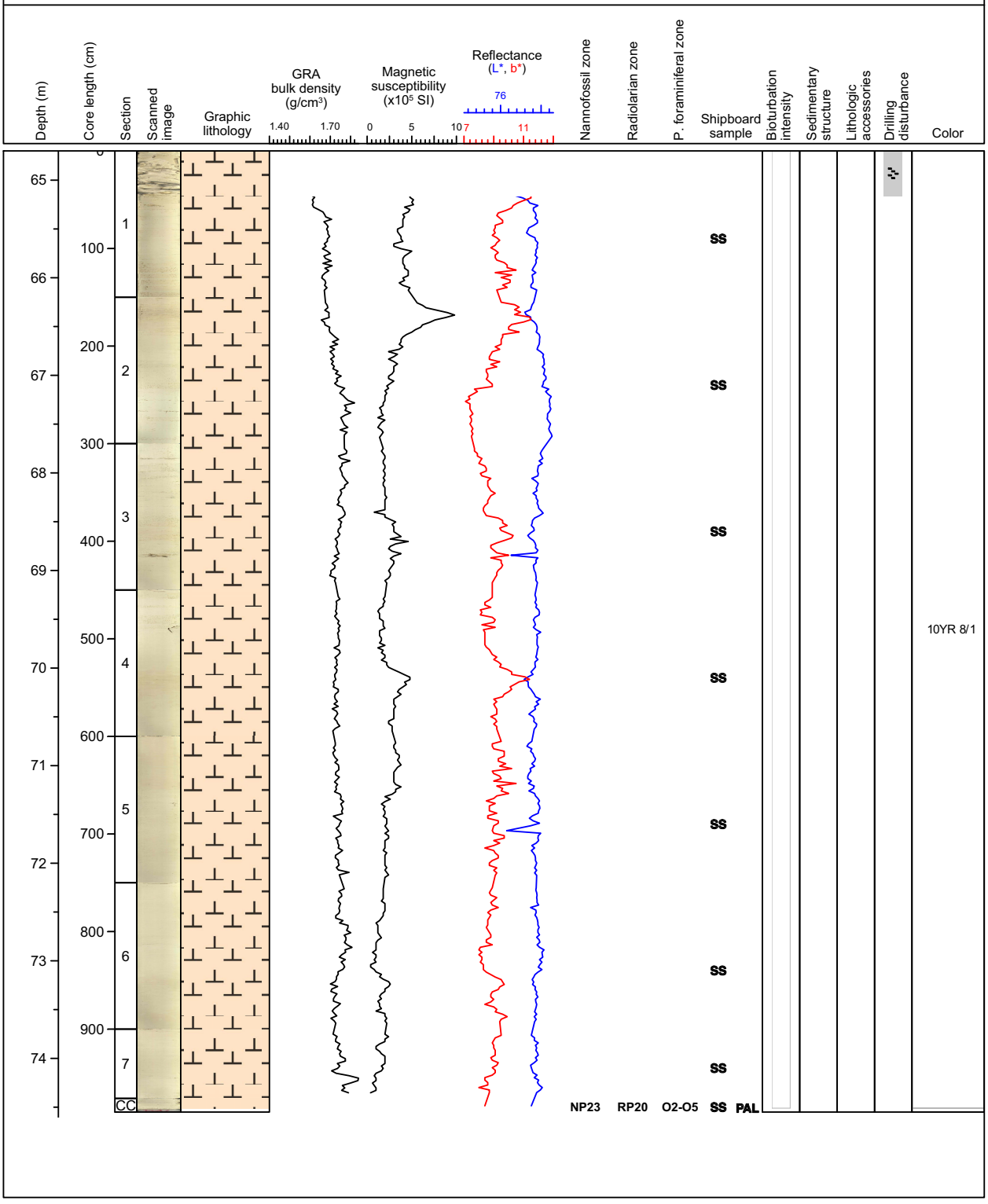
Major lithology: Nannofossil ooze. An alternating sequence of white nannofossil ooze and very pale brown nannofossil ooze.



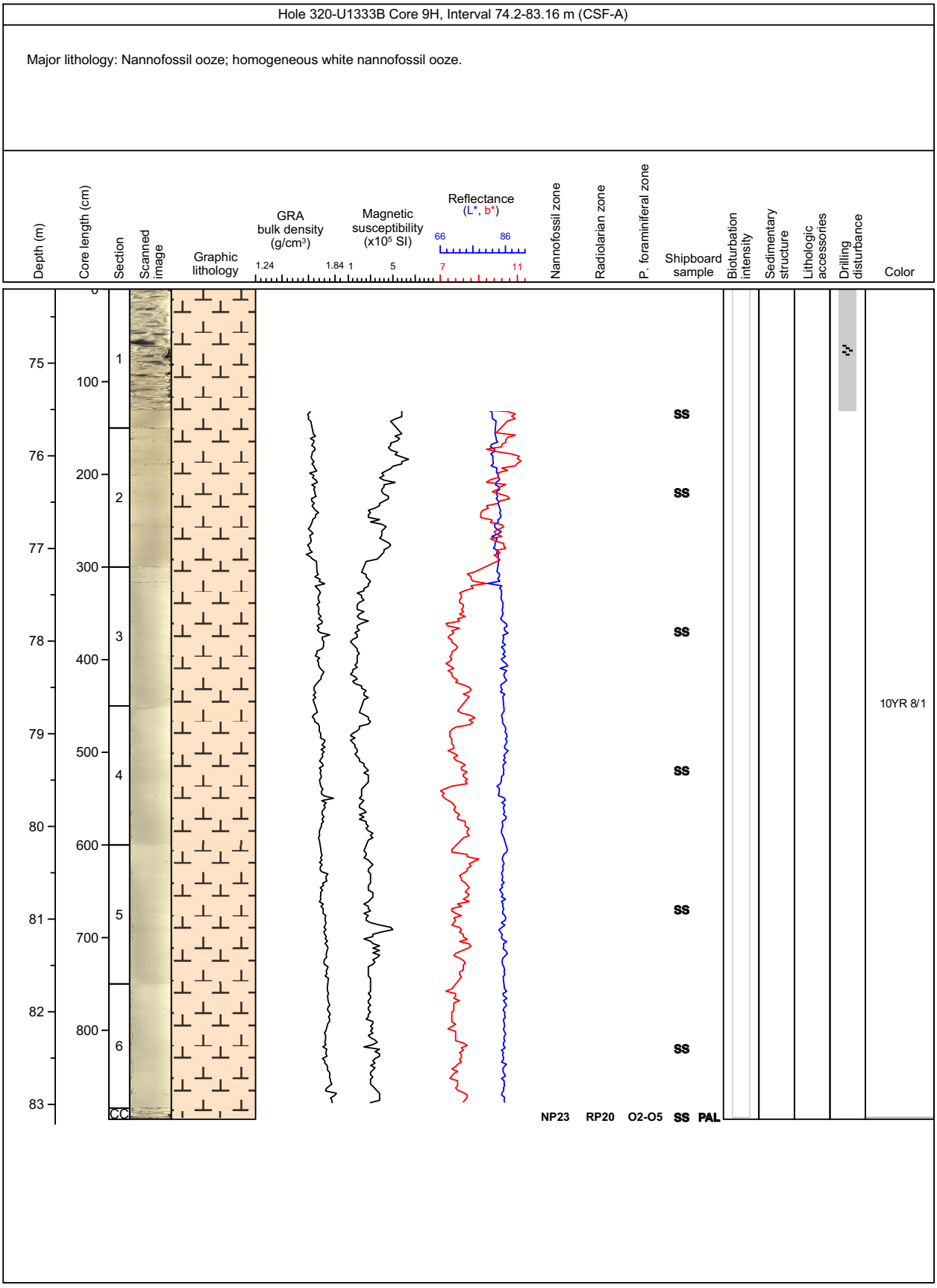
Core Photo

Hole 320-U1333B Core 8H, Interval 64.7-74.55 m (CSF-A)

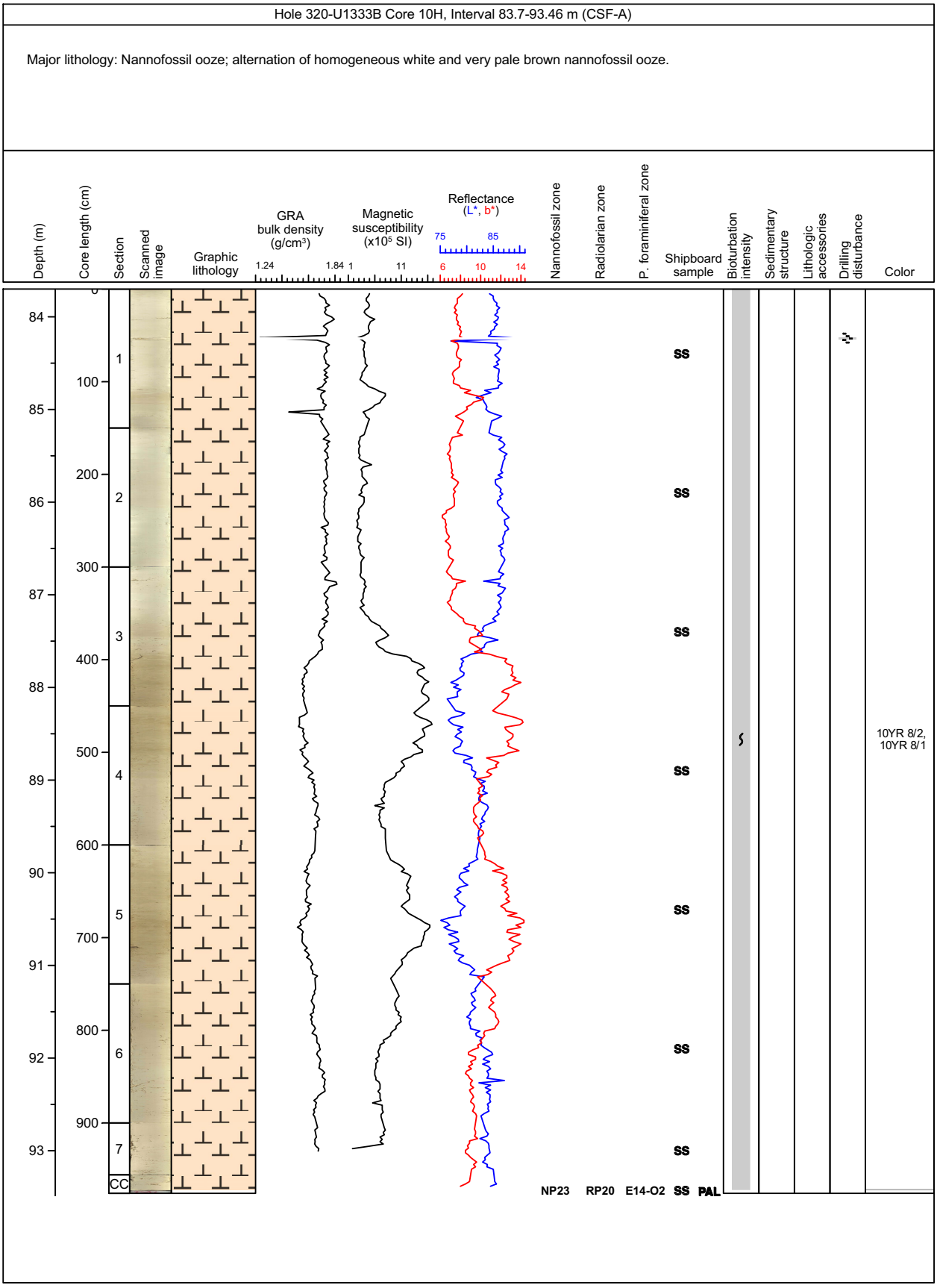
Major lithology: Nannofossil ooze; homogeneous white nannofossil ooze.



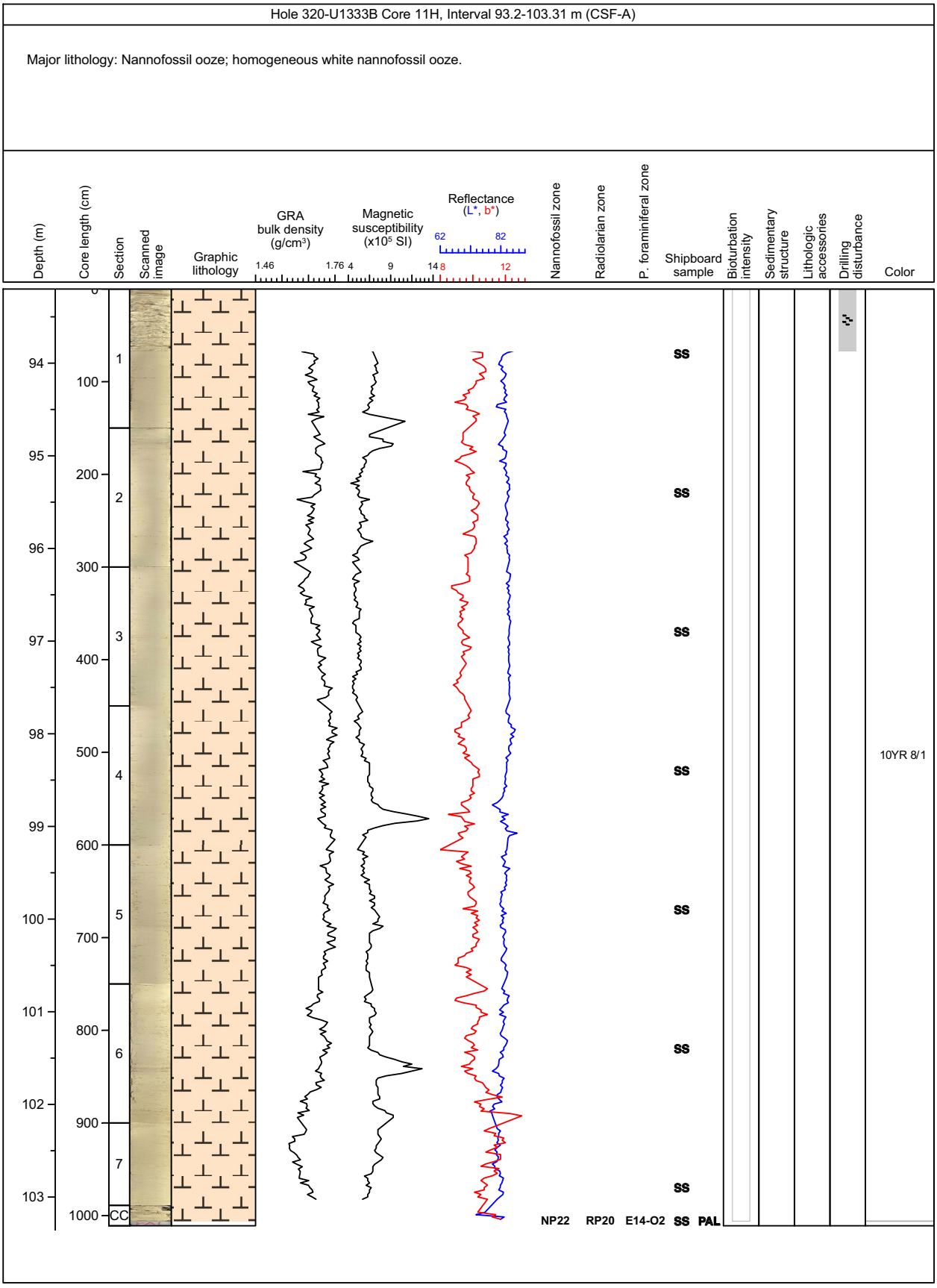
Core Photo


Hole 320-U1333B Core 9H, Interval 74.2-83.16 m (CSF-A)
Major lithology: Nannofossil ooze; homogeneous white nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
1.24
1.84
Magnetic susceptibility (x10⁵ SI)
1
5
Reflectance (L*, b*)
66
86
7
11
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
75
76
77
78
79
80
81
82
83
100
200
300
400
500
600
700
800
1
2
3
4
5
6
CC
SS
10YR 8/1
NP23
RP20
O2-O5
PAL

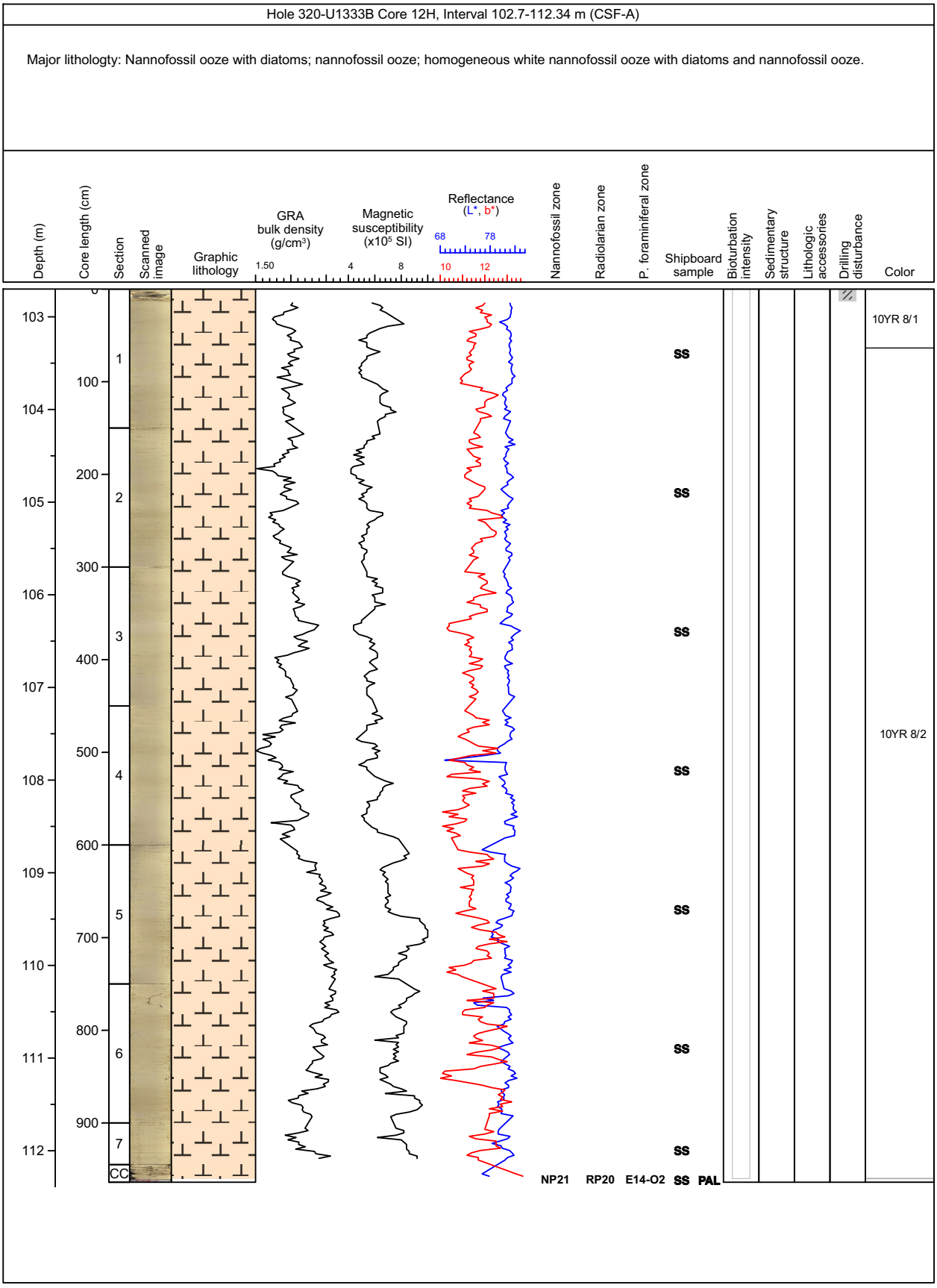
Core Photo


Hole 320-U1333B Core 10H, Interval 83.7-93.46 m (CSF-A)
Major lithology: Nannofossil ooze; alternation of homogeneous white and very pale brown nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
1.24
1.84
Magnetic susceptibility (x10⁵ SI)
1
11
Reflectance (L*, b*)
75
85
6
10
14
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
84
85
86
87
88
89
90
91
92
93
100
200
300
400
500
600
700
800
900
1
2
3
4
5
6
7
CC
SS
NP23
RP20
E14-O2
PAL
10YR 8/2,
10YR 8/1

Core Photo


Hole 320-U1333B Core 11H, Interval 93.2-103.31 m (CSF-A)
Major lithology: Nannofossil ooze; homogeneous white nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
1.46
1.76
Magnetic susceptibility (x10⁵ SI)
4
9
14
Reflectance (L*, b*)
62
82
8
12
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
94
95
96
97
98
99
100
101
102
103
100
200
300
400
500
600
700
800
900
1000
1
2
3
4
5
6
7
CC
SS
10YR 8/1
NP22
RP20
E14-O2
PAL

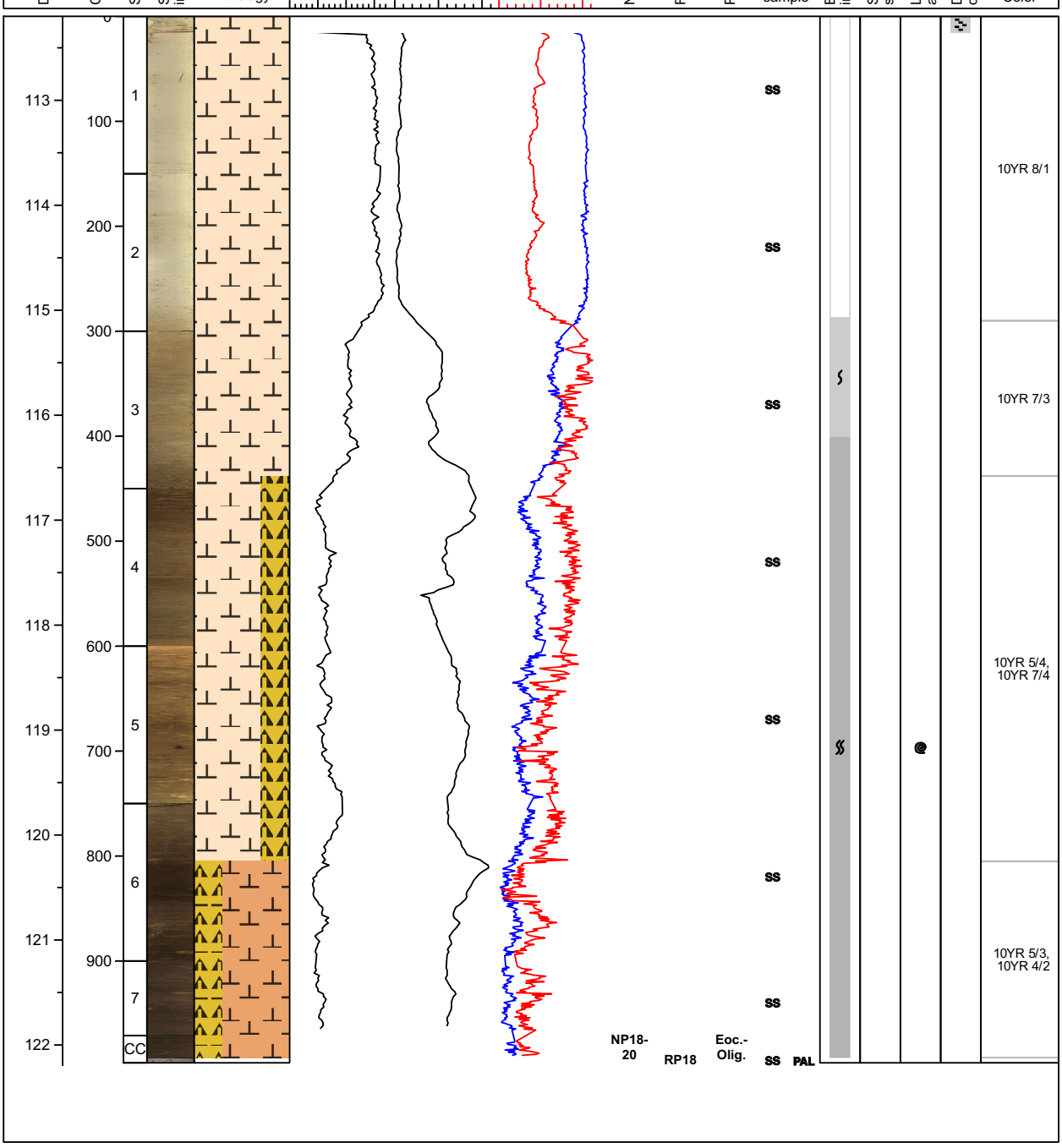
Core Photo


Hole 320-U1333B Core 12H, Interval 102.7-112.34 m (CSF-A)
Major lithologty: Nannofossil ooze with diatoms; nannofossil ooze; homogeneous white nannofossil ooze with diatoms and nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
1.50
Magnetic susceptibility (x10⁵ SI)
4
8
Reflectance (L*, b*)
68
78
10
12
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
103
104
105
106
107
108
109
110
111
112
100
200
300
400
500
600
700
800
900
1
2
3
4
5
6
7
CC
SS
NP21
RP20
E14-O2
PAL
10YR 8/1
10YR 8/2

Core Photo

Hole 320-U1333B Core 13H, Interval 112.2-122.17 m (CSF-A)

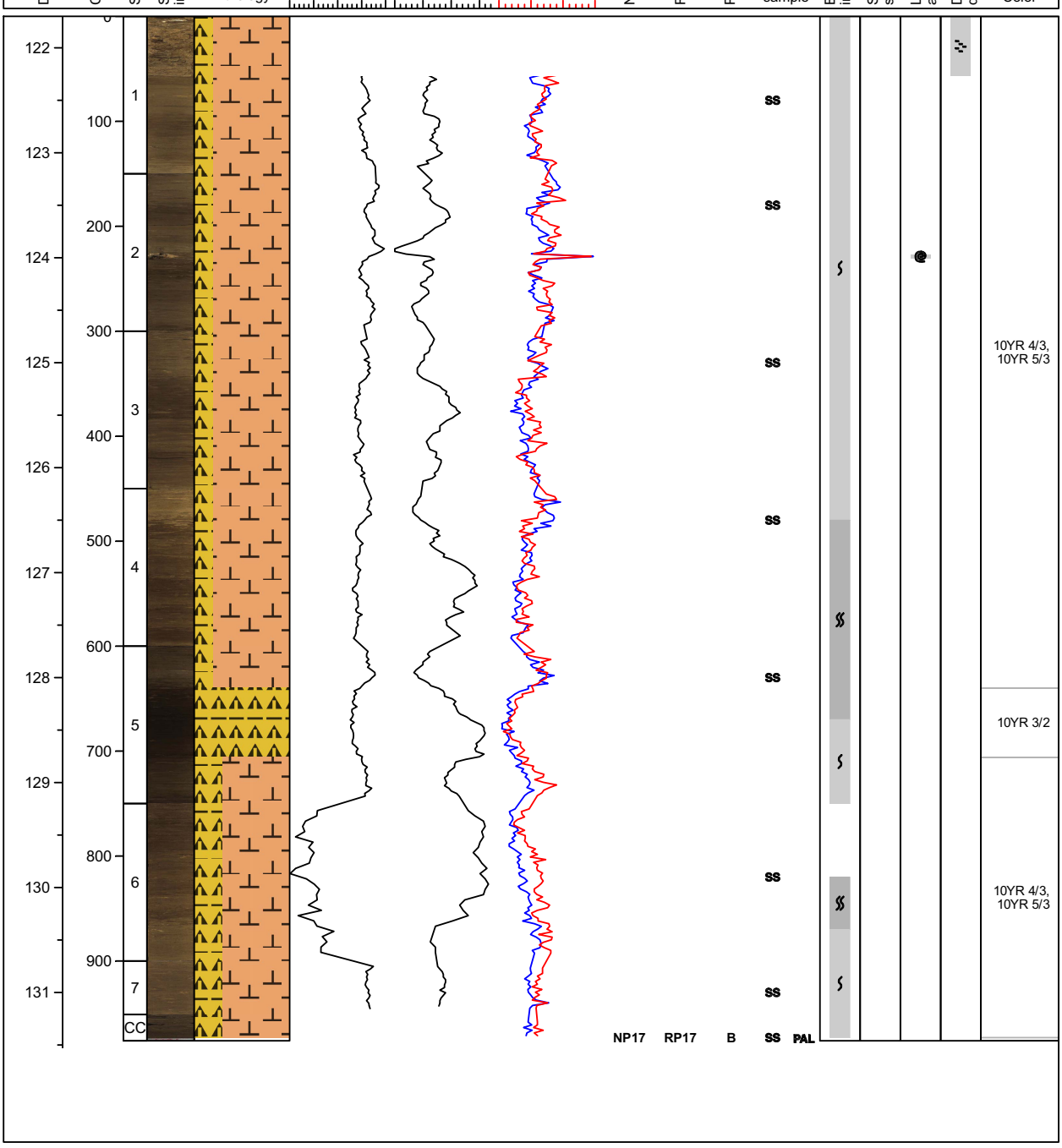
Major lithology: Nannofossil ooze, nannofossil ooze with radiolarians; radiolarian ooze, radiolarian nannofossil ooze with clay; clayey radiolarian ooze; White nannofossil ooze overlies a very pale brown nannofossil ooze and alterations of very pale brown nannofossil ooze with radiolarians with yellowish brown radiolarian ooze, and brown radiolarian nannofossil ooze with clay and dark grayish brown clayey radiolarian ooze.



Core Photo

Hole 320-U1333B Core 14H, Interval 121.7-131.46 m (CSF-A)

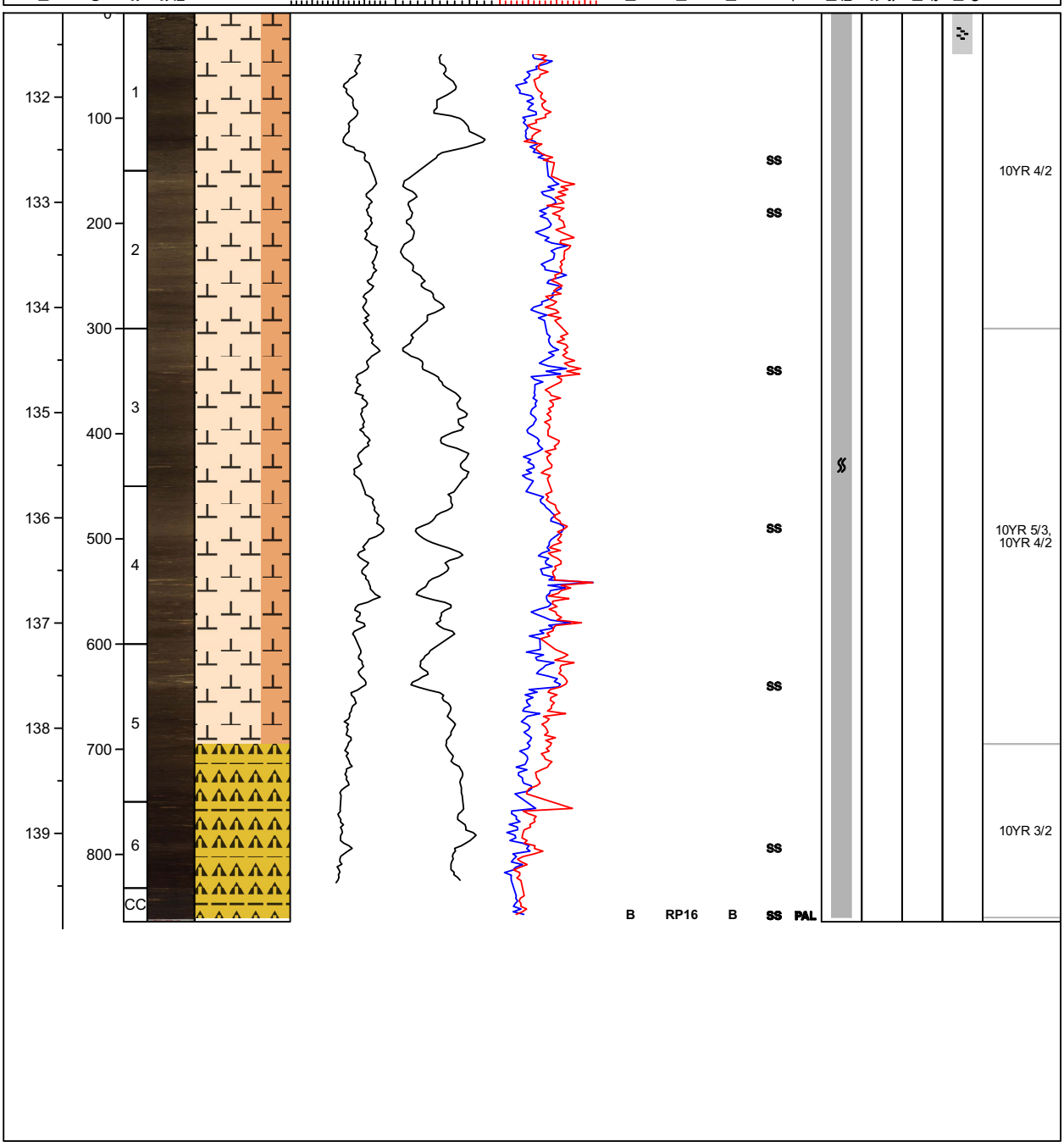
Major lithology: Nannofossil ooze with radiolarians; radiolarian nannofossil ooze with clay; clayey radiolarian ooze. Alternation of brown nannofossil ooze with radiolarians and dark grayish brown radiolarian nannofossil ooze with clay, and homogeneous very dark grayish brown clayey radiolarian ooze.



Core Photo

Hole 320-U1333B Core 15H, Interval 131.2-139.84 m (CSF-A)

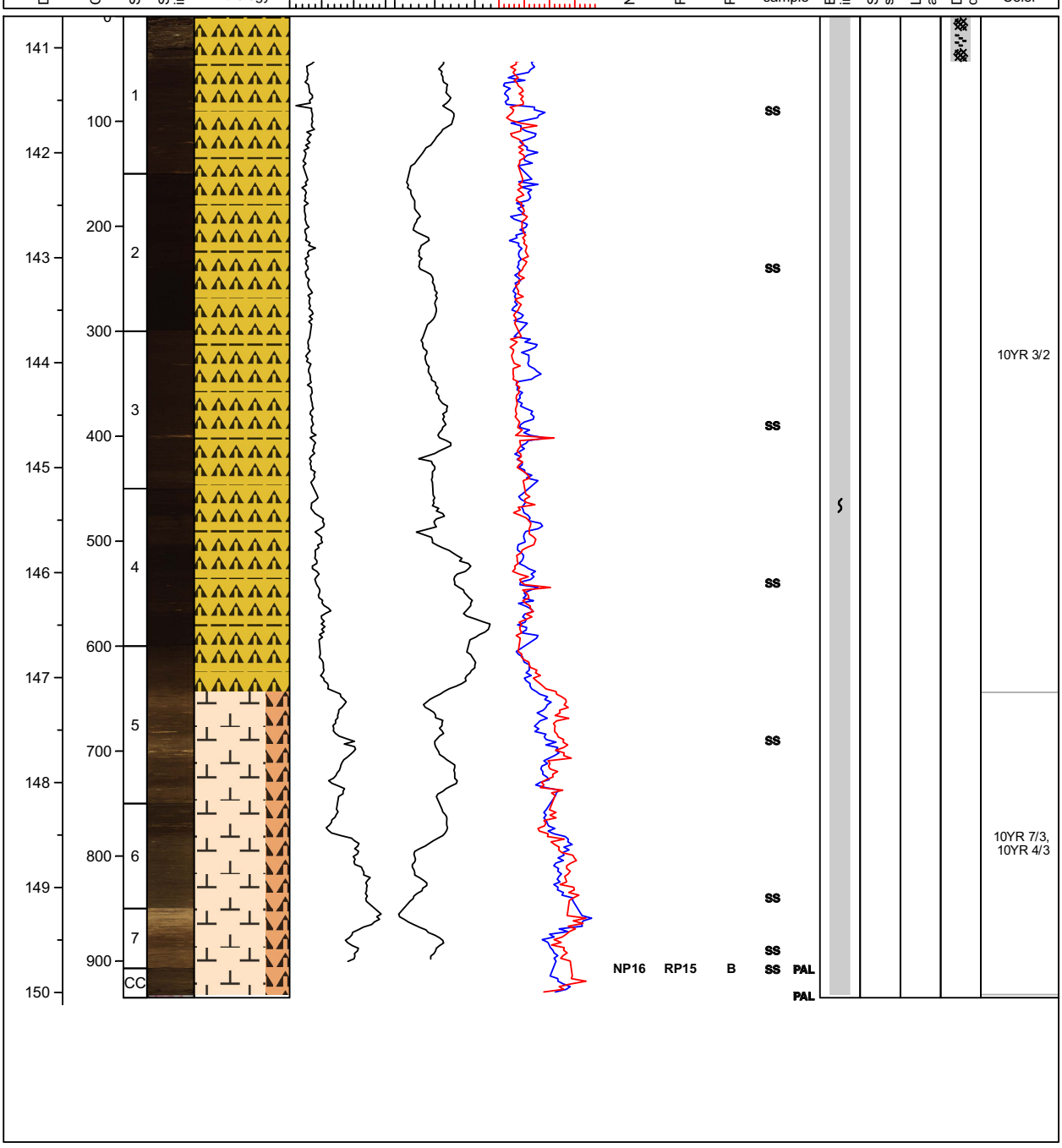
Major lithologys: Nannofossil ooze with radiolarians; radiolarian nannofossil ooze with clay; clayey radiolarian ooze. Alternation of brown nannofossil ooze with radiolarians and dark grayish brown radiolarian nannofossil ooze with clay, and homogeneous very dark grayish brown clayey radiolarian ooze.



Core Photo

Hole 320-U1333B Core 16H, Interval 140.7-150.05 m (CSF-A)

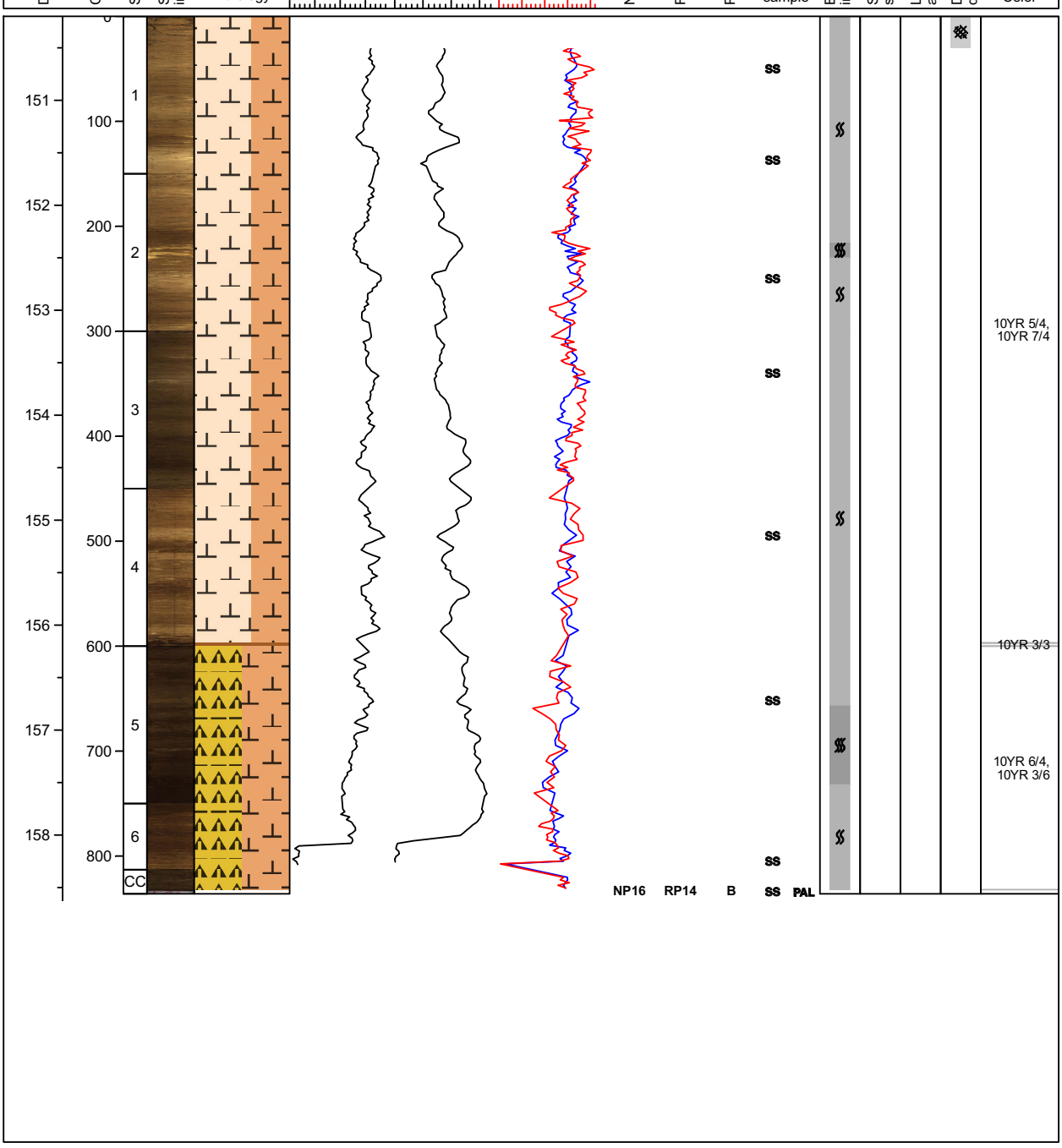
Major lithology: Clayey radiolarian ooze; nannofossil ooze with radiolarians; nannofossil radiolarian ooze with clay. Homogeneous very dark grayish brown clayey radiolarian ooze grading into an alternating sequence of very pale brown nannofossil ooze with radiolarians and brown nannofossil radiolarian ooze with clay.



Core Photo

Hole 320-U1333B Core 17H, Interval 150.2-158.56 m (CSF-A)

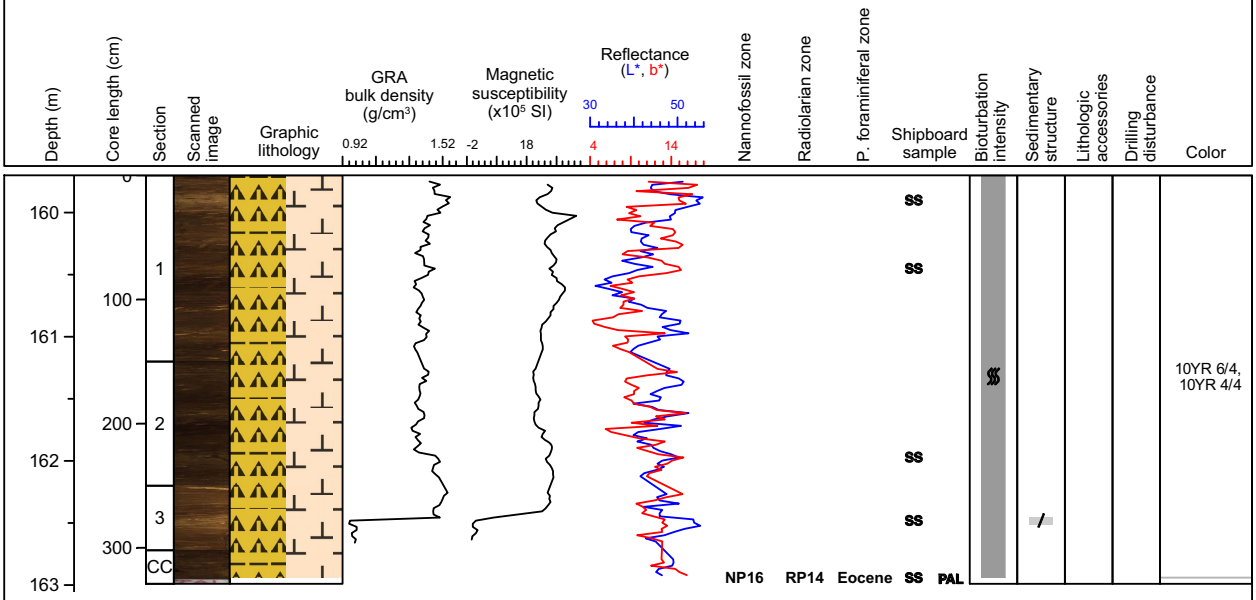
Major lithology: Nannofossil ooze; radiolarian nannofossil ooze with clay; clayey radiolarian ooze with nannofossils. Minor lithology: Radiolarian clay. Alternation of very pale brown nannofossil ooze with light yellowish brown radiolarian nannofossil ooze with clay, and alternations of dark yellowish brown clayey radiolarian ooze with nannofossils with light yellowish brown radiolarian nannofossil ooze with clay. These alternating sequences are punctuated by a 3 cm thick bed of dark brown radiolarian clay.



Core Photo

Hole 320-U1333B Core 18H, Interval 159.7-162.99 m (CSF-A)

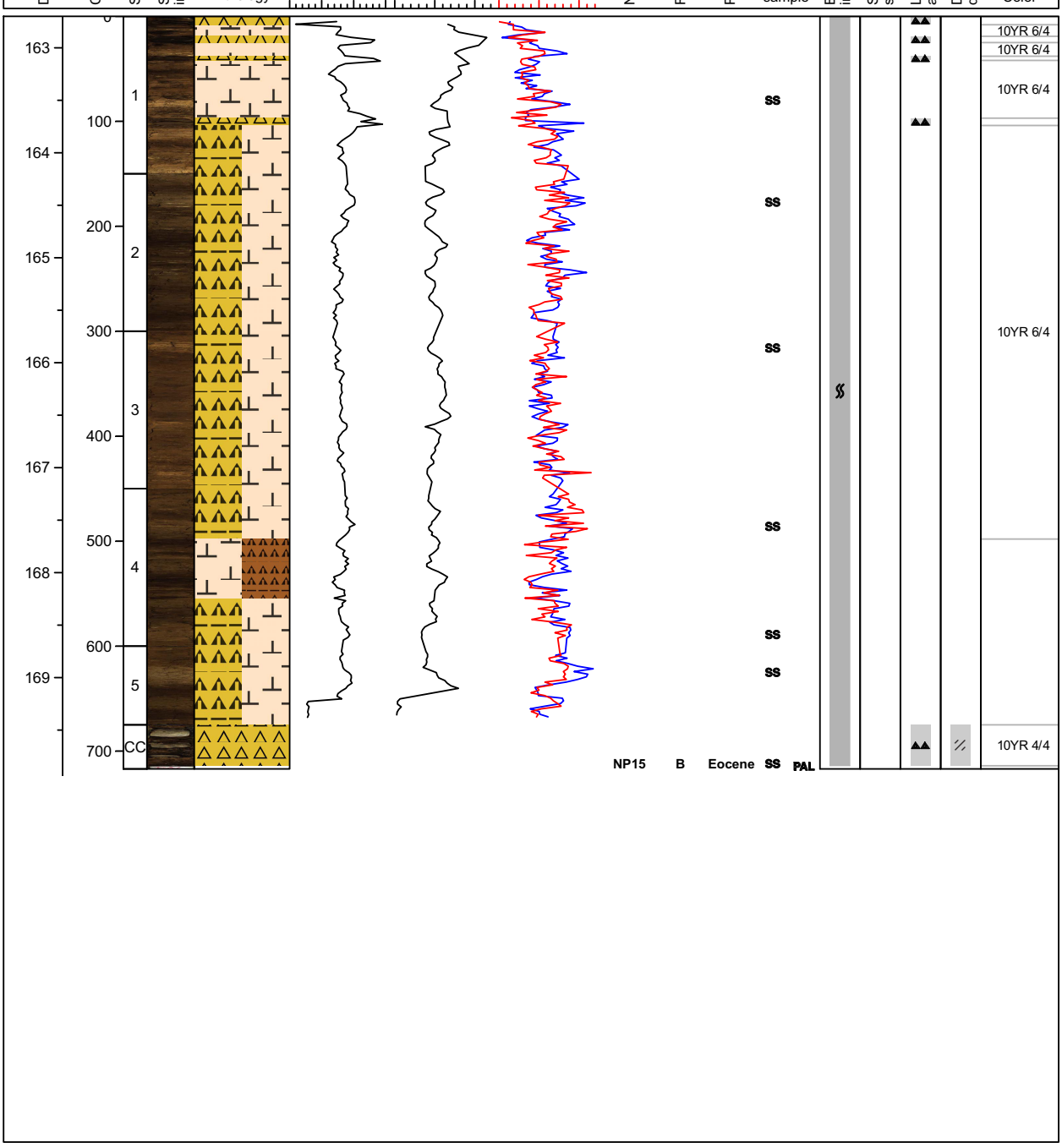
Major lithology: Nannofossil ooze with radiolarians; clayey radiolarian ooze. Alternating sequence of light yellowish brown nannofossil chalk with radiolarians and dark yellowish brown clayey radiolarian ooze.



Core Photo

Hole 320-U1333B Core 19X, Interval 162.7-169.87 m (CSF-A)

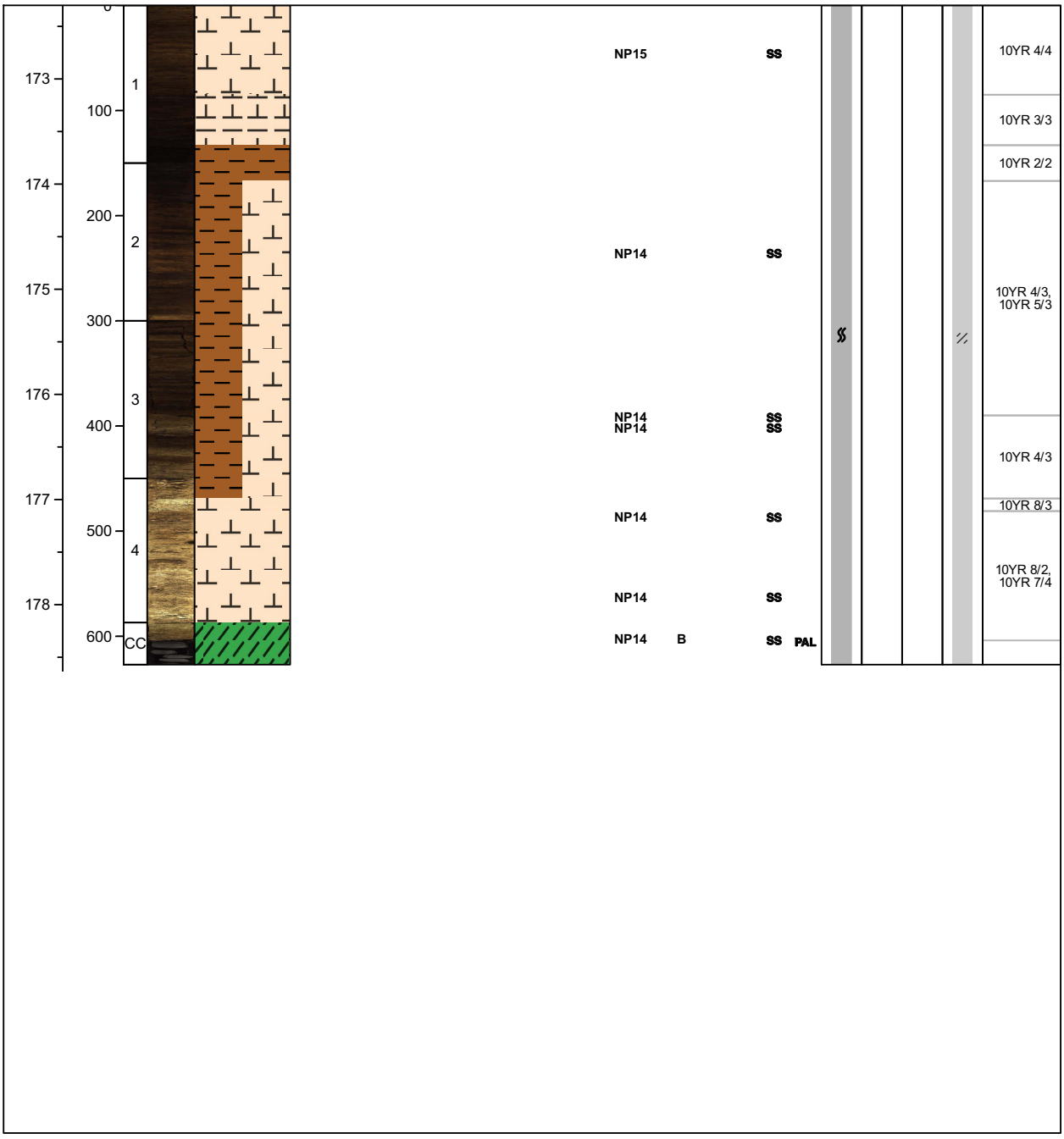
Major lithology: Nannofossil ooze with radiolarians; clayey radiolarian ooze; porcellanite. An alternating sequence of dark yellowish brown clayey radiolarian ooze and yellowish brown nannofossil ooze intercalated with porcellanite at the top of the core and a radiolarian clay mid-core.



Core Photo

Hole 320-U1333B Core 20X, Interval 172.3-178.57 m (CSF-A)

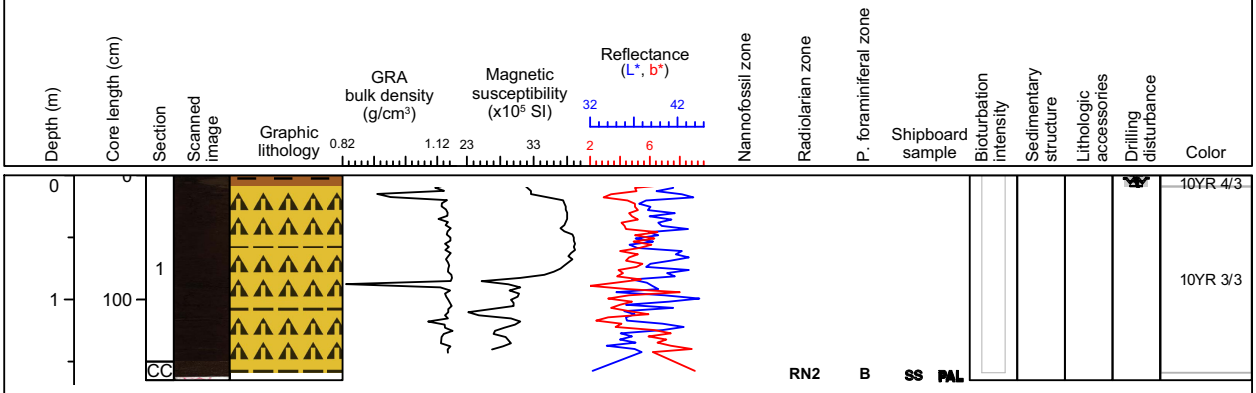
Major lithology: Nannofossil ooze; clay with nannofossils; basalt. Minor lithology: Clayey nannofossil ooze. Alternating sequence of dark yellowish brown nannofossil ooze and dark brown clayey nannofossil ooze, as well as very pale brown nannofossil ooze and very pale brown nannofossil ooze overlying basement basalt.



Core Photo

Hole 320-U1333C Core 1H, Interval 0.0-1.65 m (CSF-A)

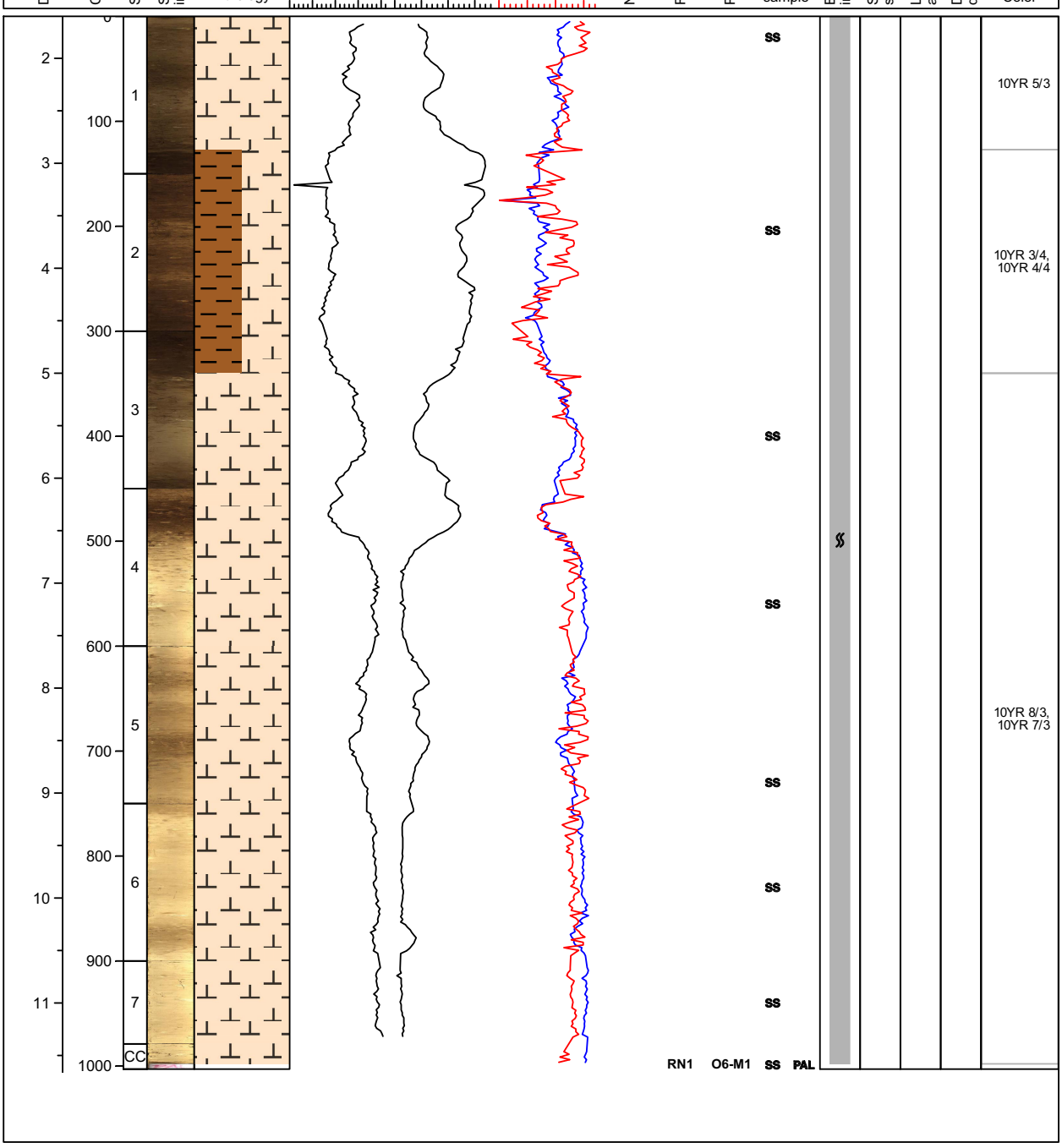
Major lithology: Clayey radiolarian ooze with nannofossils. Minor lithology: Clay with radiolarians. Dark brown clayey radiolarian ooze with nannofossils.



Core Photo

Hole 320-U1333C Core 2H, Interval 1.6-11.63 m (CSF-A)

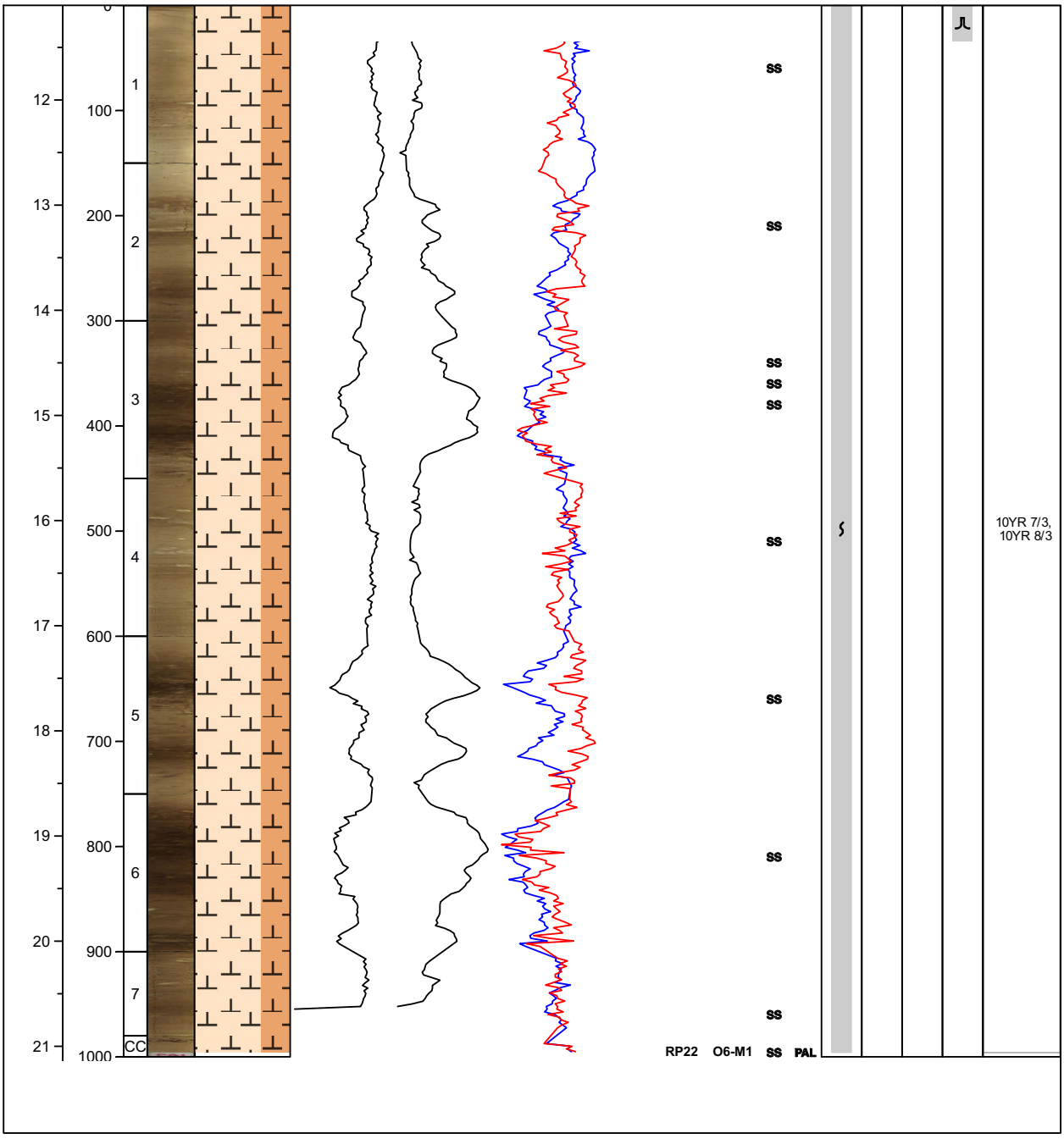
Major lithology: Clayey nannofossil ooze with radiolarians; nannofossil ooze; clay with radiolarians and nannofossils. Brown nannofossil ooze overlying alternations of dark yellowish brown clay with nannofossils and radiolarians and a nannofossil clay with radiolarians. The core lightens downward to very pale brown nannofossil ooze.



Core Photo

Hole 320-U1333C Core 3H, Interval 11.1-21.1 m (CSF-A)

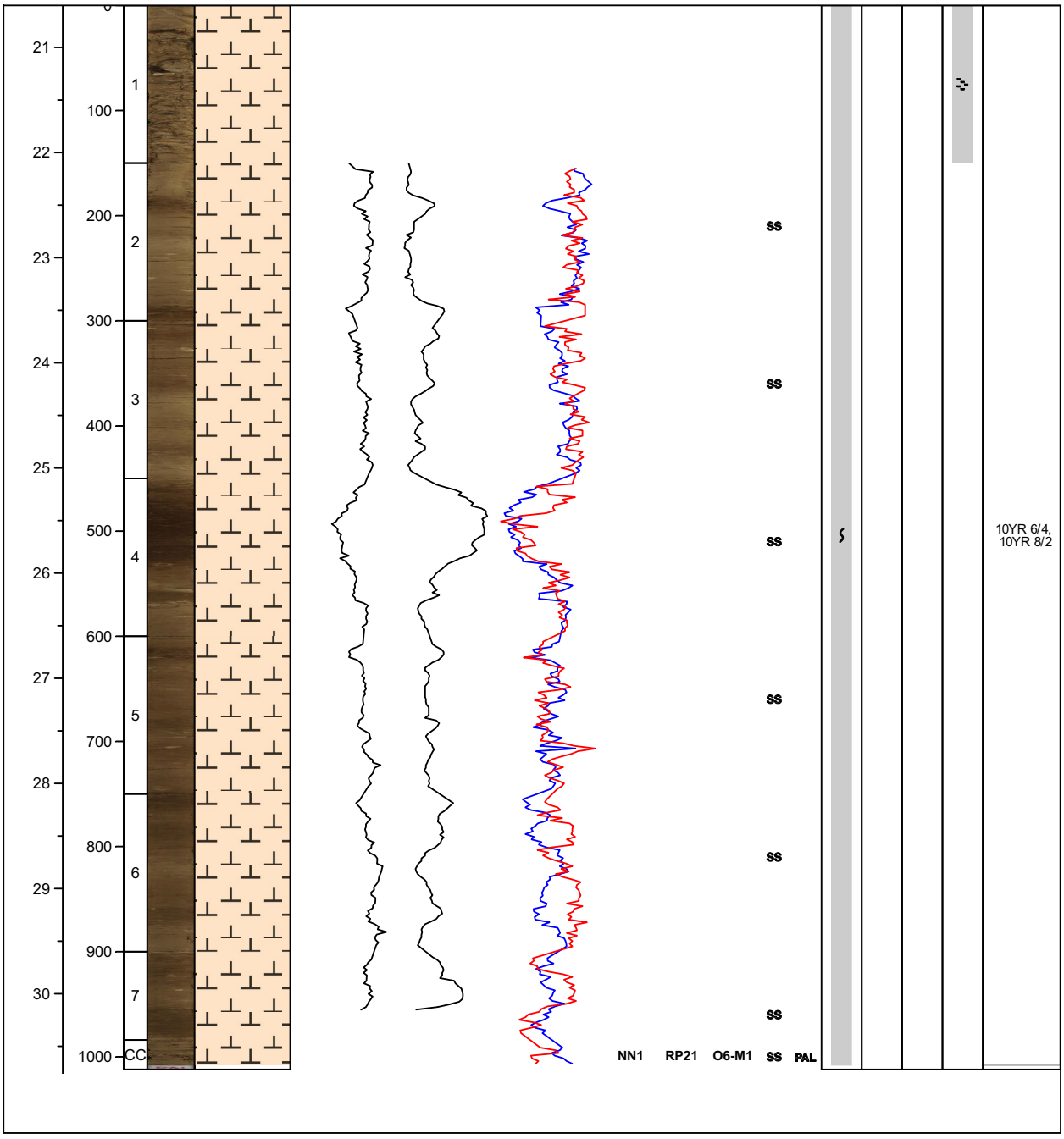
Major lithology: Radiolarian nannofossil ooze with clay, nannofossil ooze. An alternating sequence of very pale brown (10YR 7/3) radiolarian nannofossil ooze with clay and very pale brown (10YR 8/3) nannofossil ooze.



Core Photo

Hole 320-U1333C Core 4H, Interval 20.6-30.72 m (CSF-A)

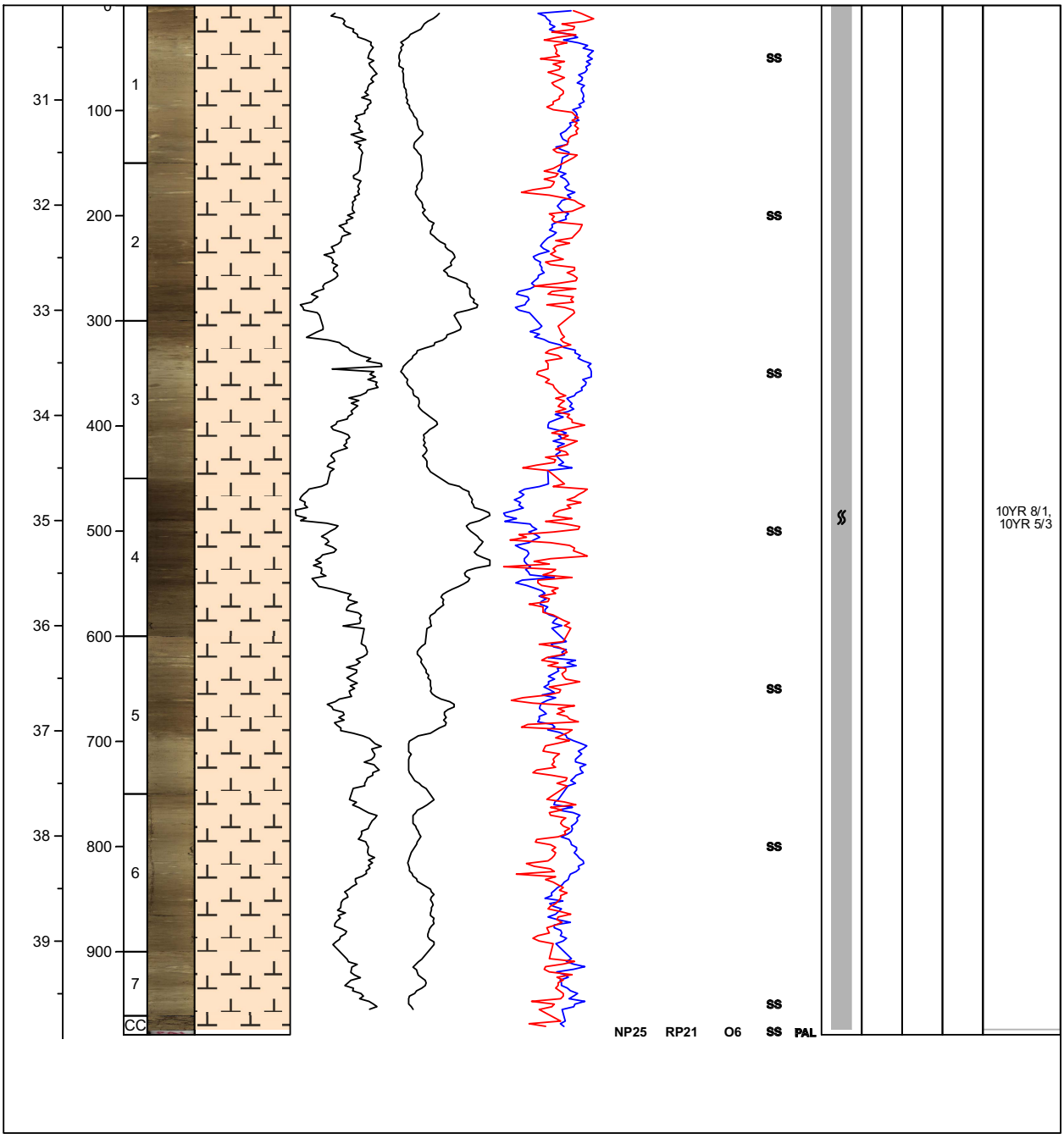
Major lithology: Nannofossil ooze with radiolarians, nannofossil ooze. An alternating sequence of very pale brown nannofossil ooze and light yellowish brown nannofossil ooze with radiolarians.



Core Photo

Hole 320-U1333C Core 5H, Interval 30.1-39.89 m (CSF-A)

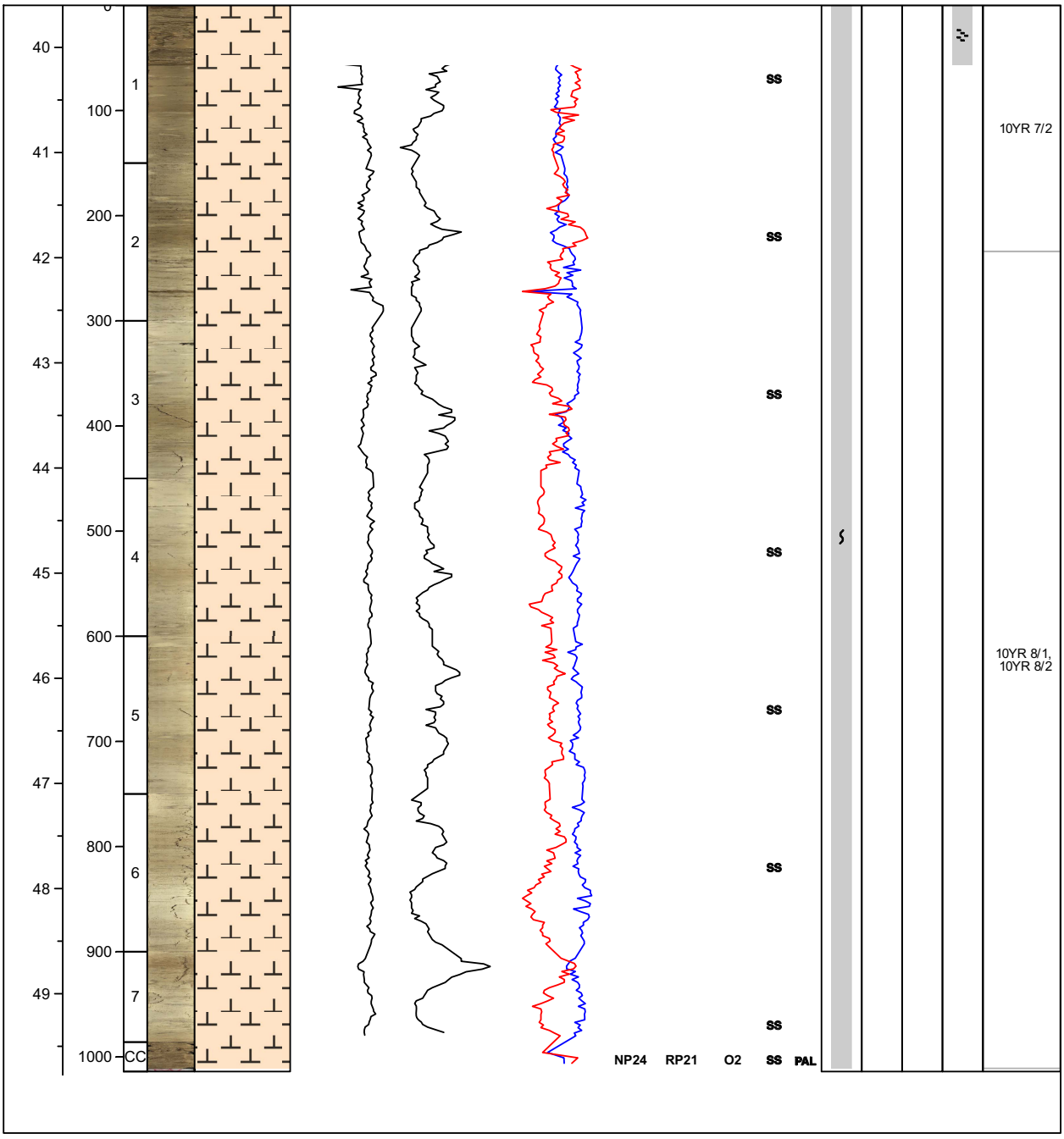
Major lithology: Nannofossil ooze with radiolarians, nannofossil ooze. An alternating sequence of white nannofossil ooze and brown nannofossil ooze with radiolarians.



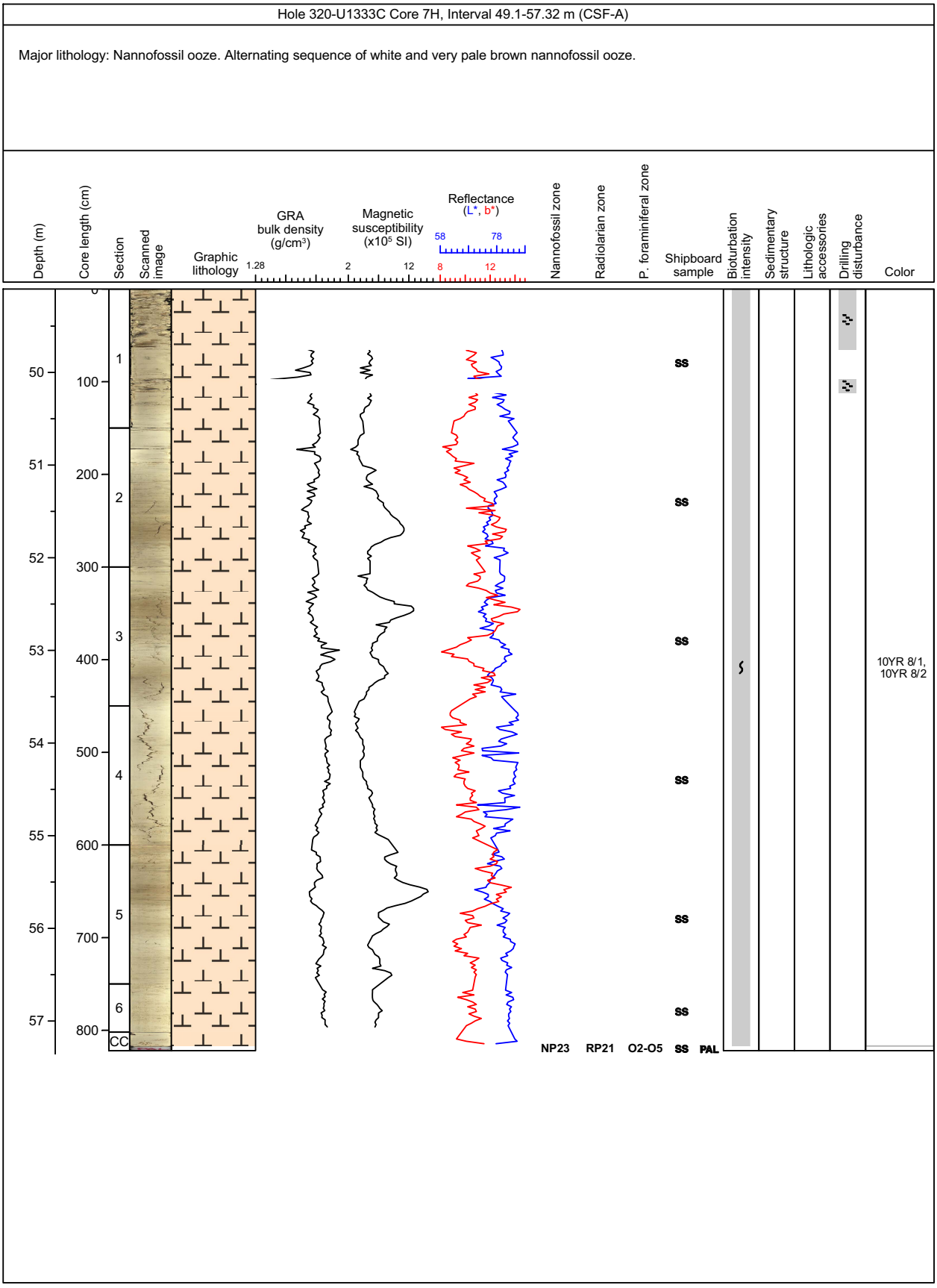
Core Photo

Hole 320-U1333C Core 6H, Interval 39.6-49.74 m (CSF-A)

Major lithology: Nannofossil ooze with radiolarians; nannofossil ooze. Homogeneous light gray nannofossil ooze overlying an alternating sequence of white nannofossil ooze and light gray nannofossil ooze with radiolarians.



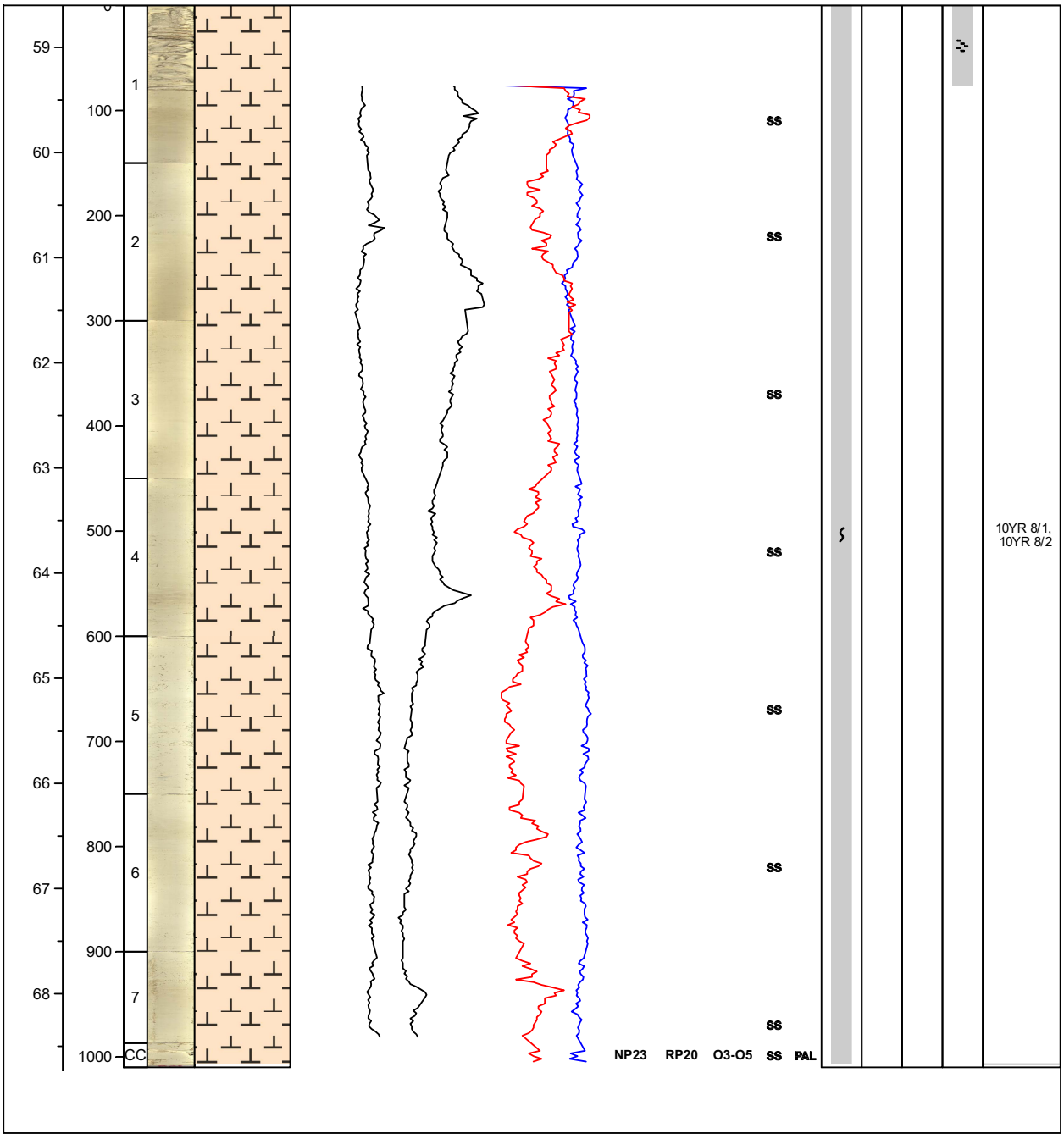
Core Photo


Hole 320-U1333C Core 7H, Interval 49.1-57.32 m (CSF-A)
Major lithology: Nannofossil ooze. Alternating sequence of white and very pale brown nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
1.28
2
Magnetic susceptibility (x10⁵ SI)
12
Reflectance (L*, b*)
58
78
8
12
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
50
51
52
53
54
55
56
57
100
200
300
400
500
600
700
800
1
2
3
4
5
6
CC
SS
NP23
RP21
O2-O5
PAL
10YR 8/1,
10YR 8/2

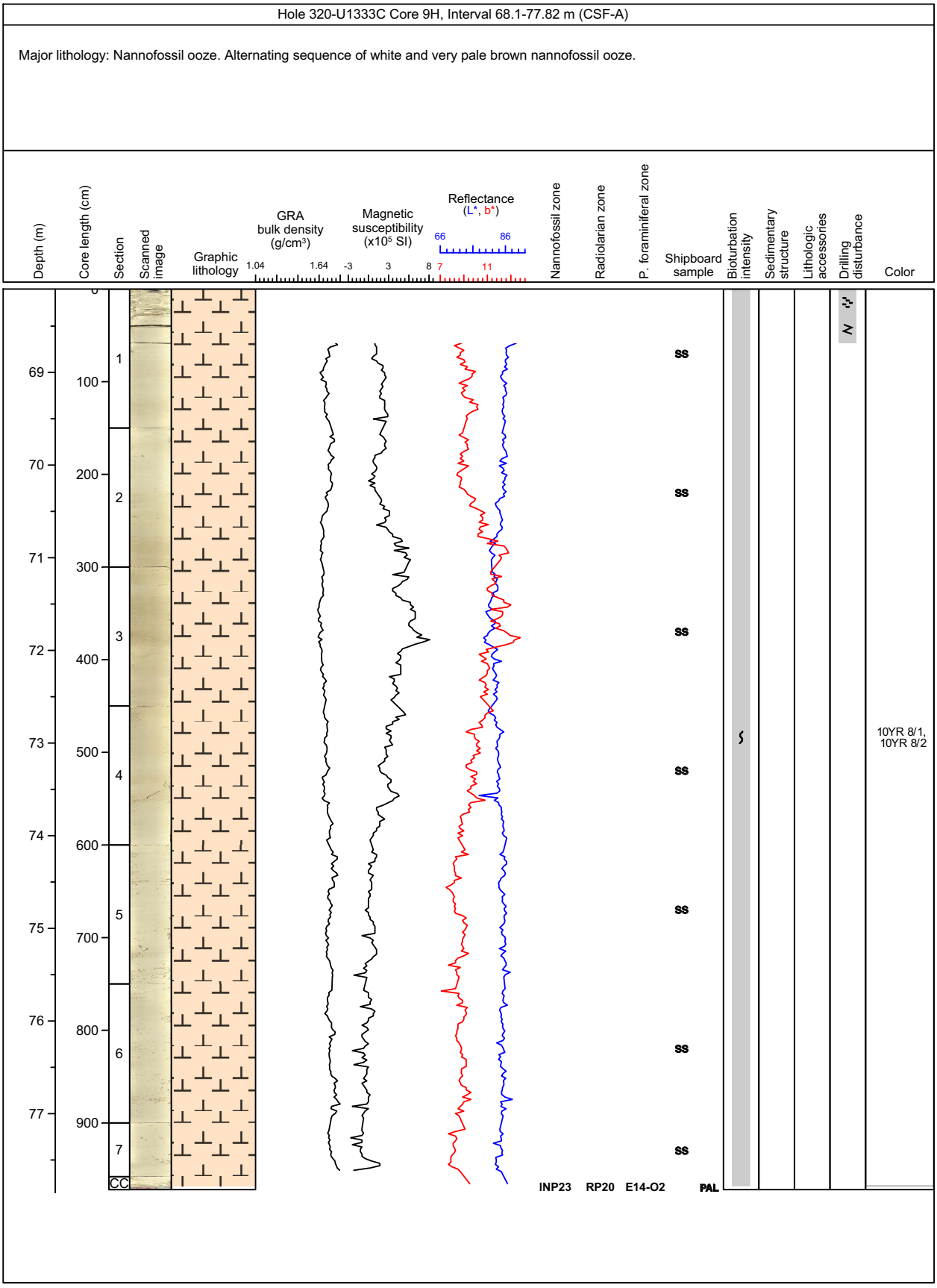
Core Photo

Hole 320-U1333C Core 8H, Interval 58.6-68.7 m (CSF-A)

Major lithology: Nannofossil ooze. Alternating sequence of white and very pale brown nannofossil ooze.



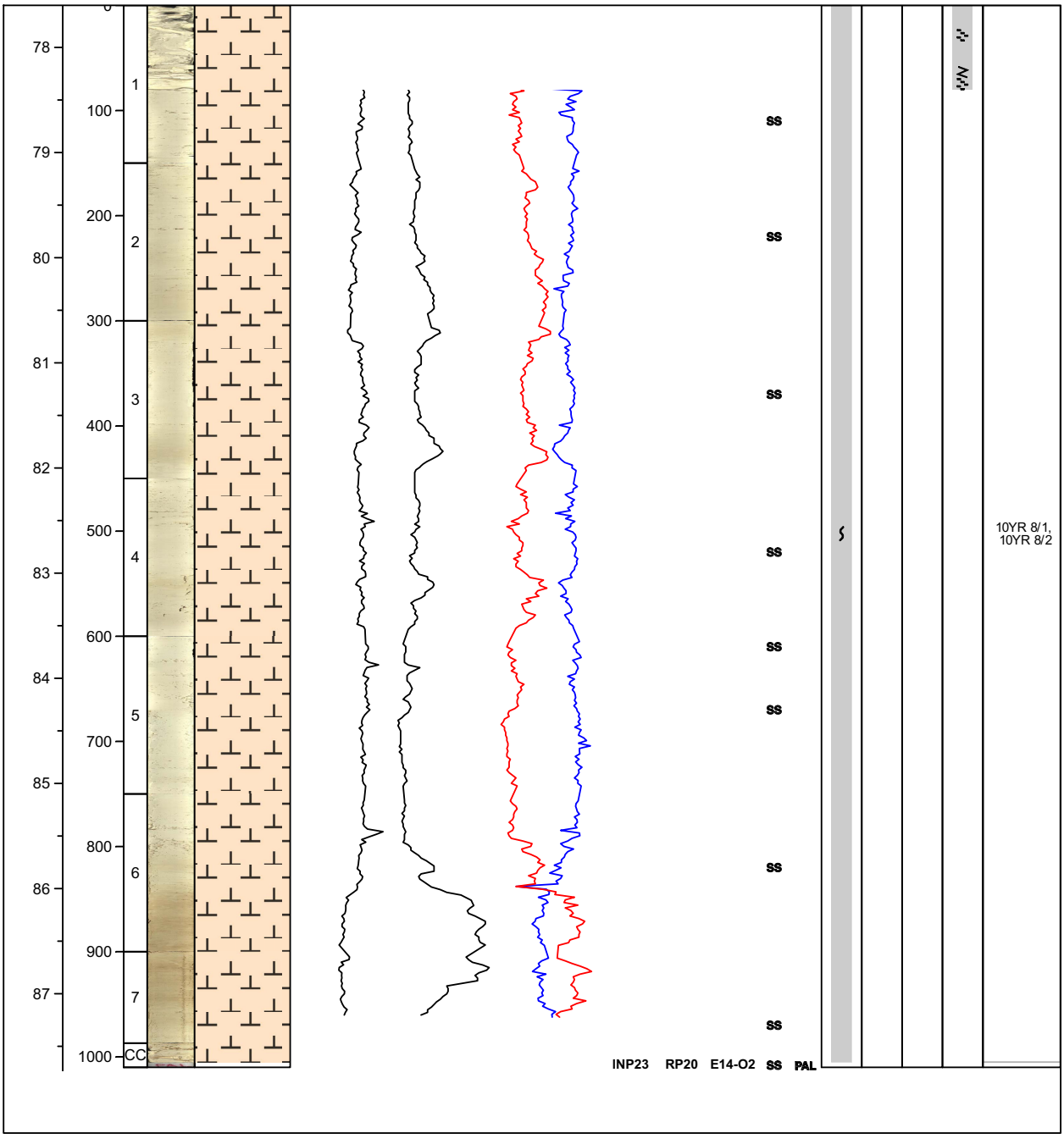
Core Photo


Hole 320-U1333C Core 9H, Interval 68.1-77.82 m (CSF-A)
Major lithology: Nannofossil ooze. Alternating sequence of white and very pale brown nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
1.04
1.64
Magnetic susceptibility (x10⁵ SI)
-3
3
8
Reflectance (L*, b*)
66
86
7
11
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
69
70
71
72
73
74
75
76
77
100
200
300
400
500
600
700
800
900
1
2
3
4
5
6
7
CC
SS
10YR 8/1, 10YR 8/2
INP23
RP20
E14-O2
PAL

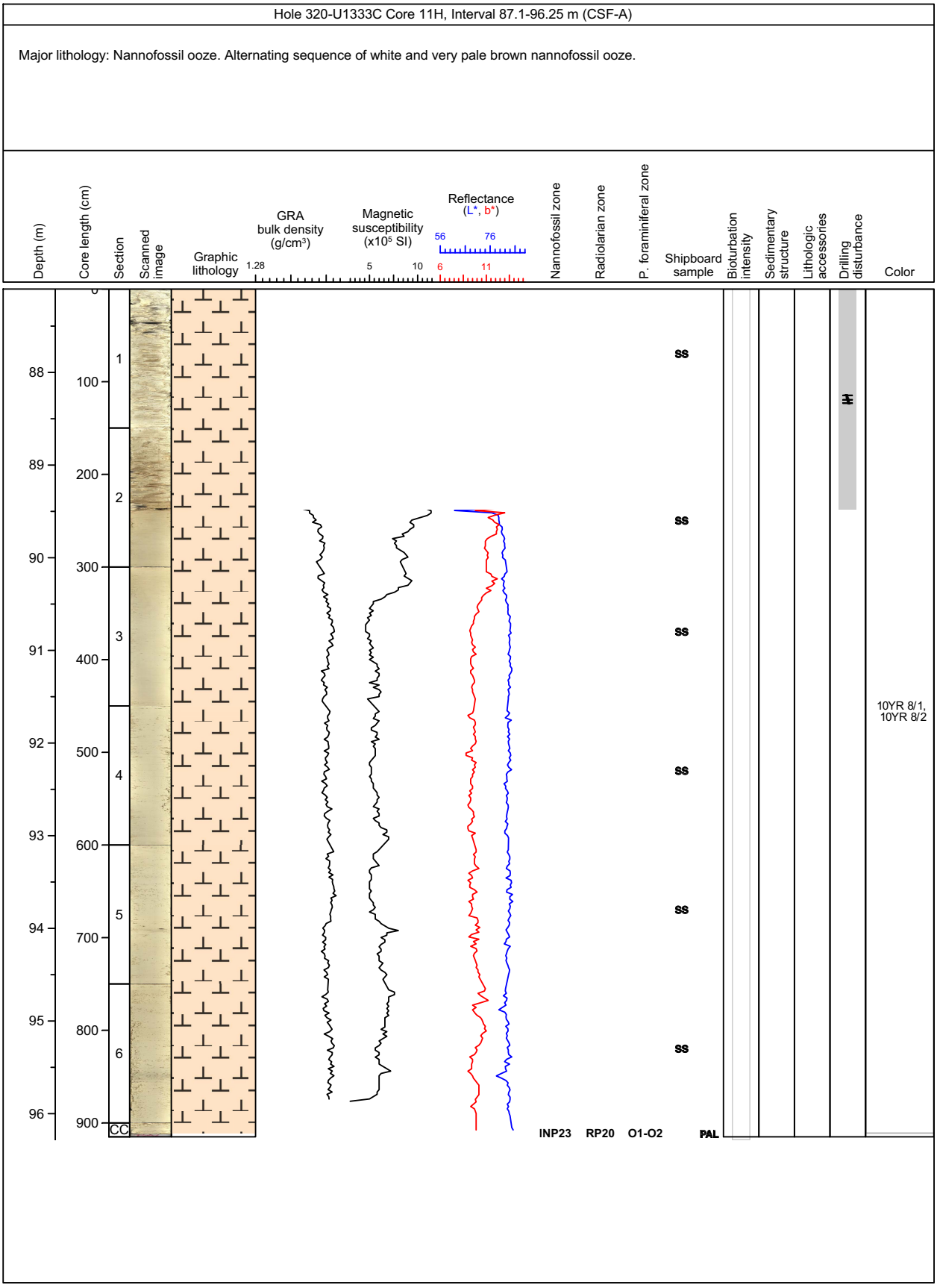
Core Photo

Hole 320-U1333C Core 10H, Interval 77.6-87.7 m (CSF-A)

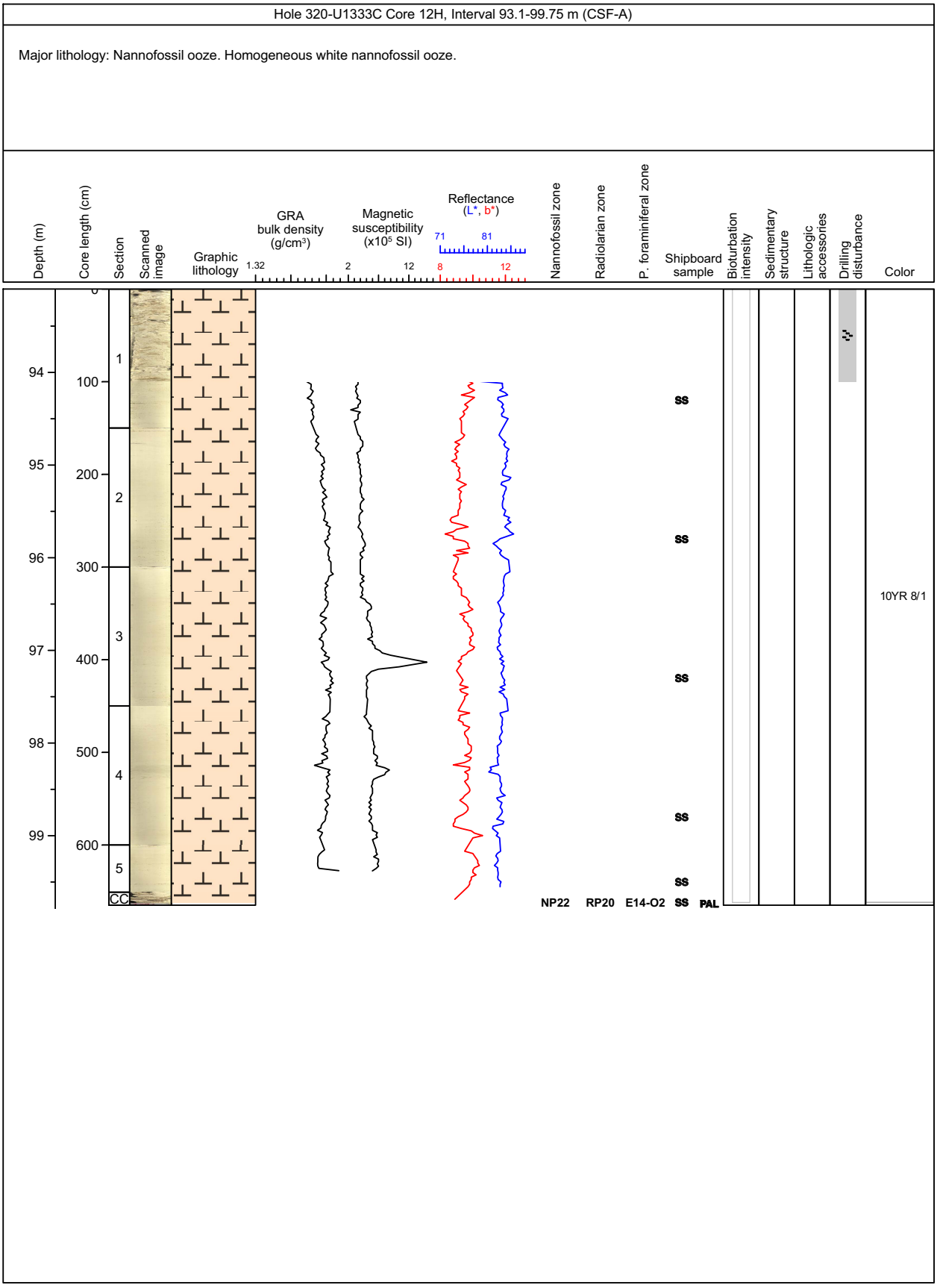
Major lithology: Nannofossil ooze. Alternating sequence of white and very pale brown nannofossil ooze.



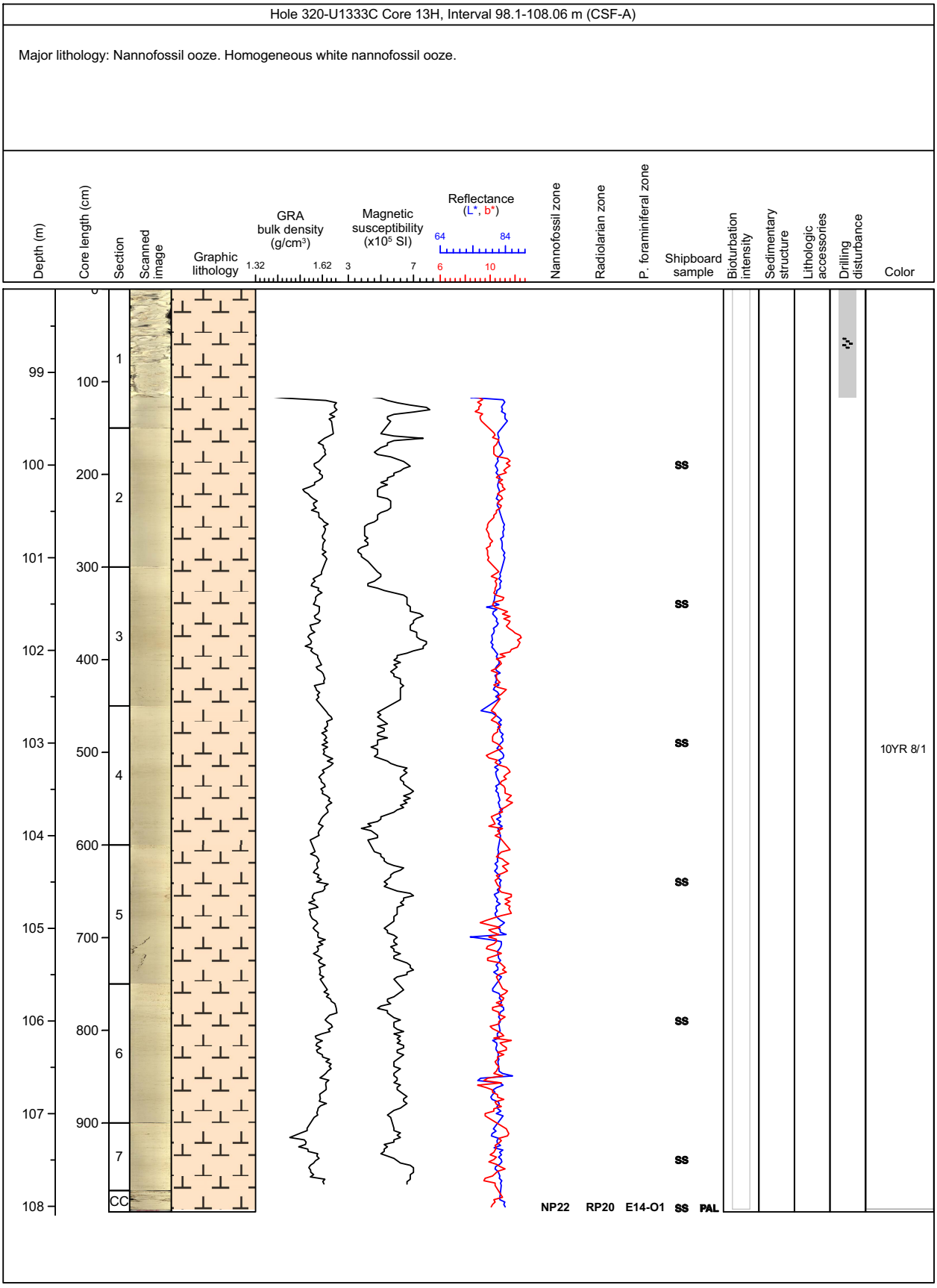
Core Photo


Hole 320-U1333C Core 11H, Interval 87.1-96.25 m (CSF-A)
Major lithology: Nannofossil ooze. Alternating sequence of white and very pale brown nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
1.28
Magnetic susceptibility (x10⁵ SI)
5
10
Reflectance (L*, b*)
56
76
6
11
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
88
89
90
91
92
93
94
95
96
100
200
300
400
500
600
700
800
900
1
2
3
4
5
6
CC
SS
H
10YR 8/1, 10YR 8/2
INP23
RP20
O1-O2
PAL

Core Photo


Hole 320-U1333C Core 12H, Interval 93.1-99.75 m (CSF-A)
Major lithology: Nannofossil ooze. Homogeneous white nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
1.32
2
Magnetic susceptibility (x10⁵ SI)
12
Reflectance (L*, b*)
71
81
8
12
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
94
95
96
97
98
99
100
200
300
400
500
600
1
2
3
4
5
CC
SS
NP22
RP20
E14-O2
PAL
10YR 8/1

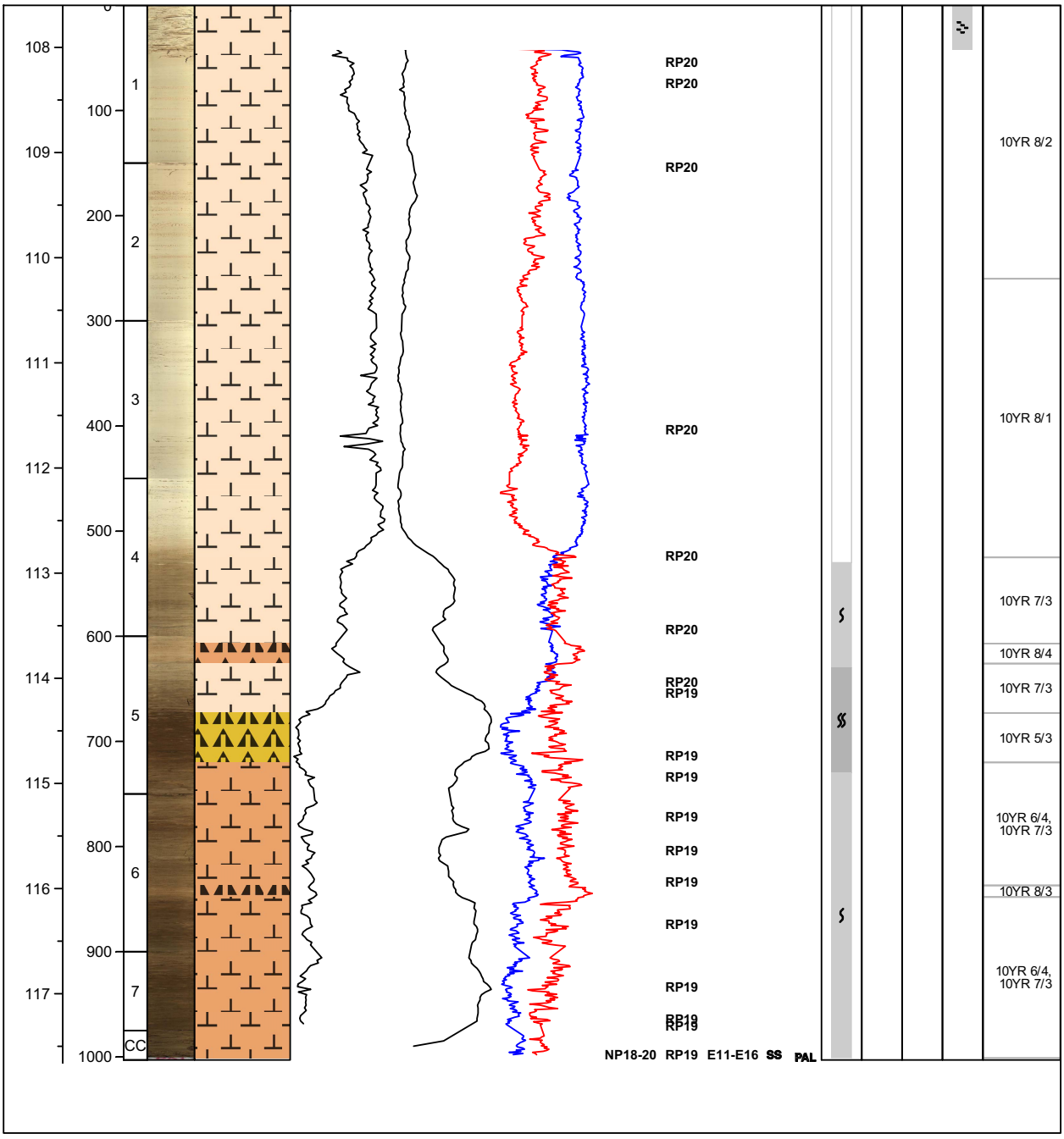
Core Photo


Hole 320-U1333C Core 13H, Interval 98.1-108.06 m (CSF-A)
Major lithology: Nannofossil ooze. Homogeneous white nannofossil ooze.
Depth (m)
Core length (cm)
Section
Scanned image
Graphic lithology
GRA bulk density (g/cm³)
1.32
1.62
Magnetic susceptibility (x10⁵ SI)
3
7
Reflectance (L*, b*)
64
84
6
10
Nannofossil zone
Radiolarian zone
P. foraminiferal zone
Shipboard sample
Bioturbation intensity
Sedimentary structure
Lithologic accessories
Drilling disturbance
Color
99
100
101
102
103
104
105
106
107
108
100
200
300
400
500
600
700
800
900
1
2
3
4
5
6
7
CC
SS
NP22
RP20
E14-O1
PAL
10YR 8/1

Core Photo

Hole 320-U1333C Core 14H, Interval 107.6-117.63 m (CSF-A)

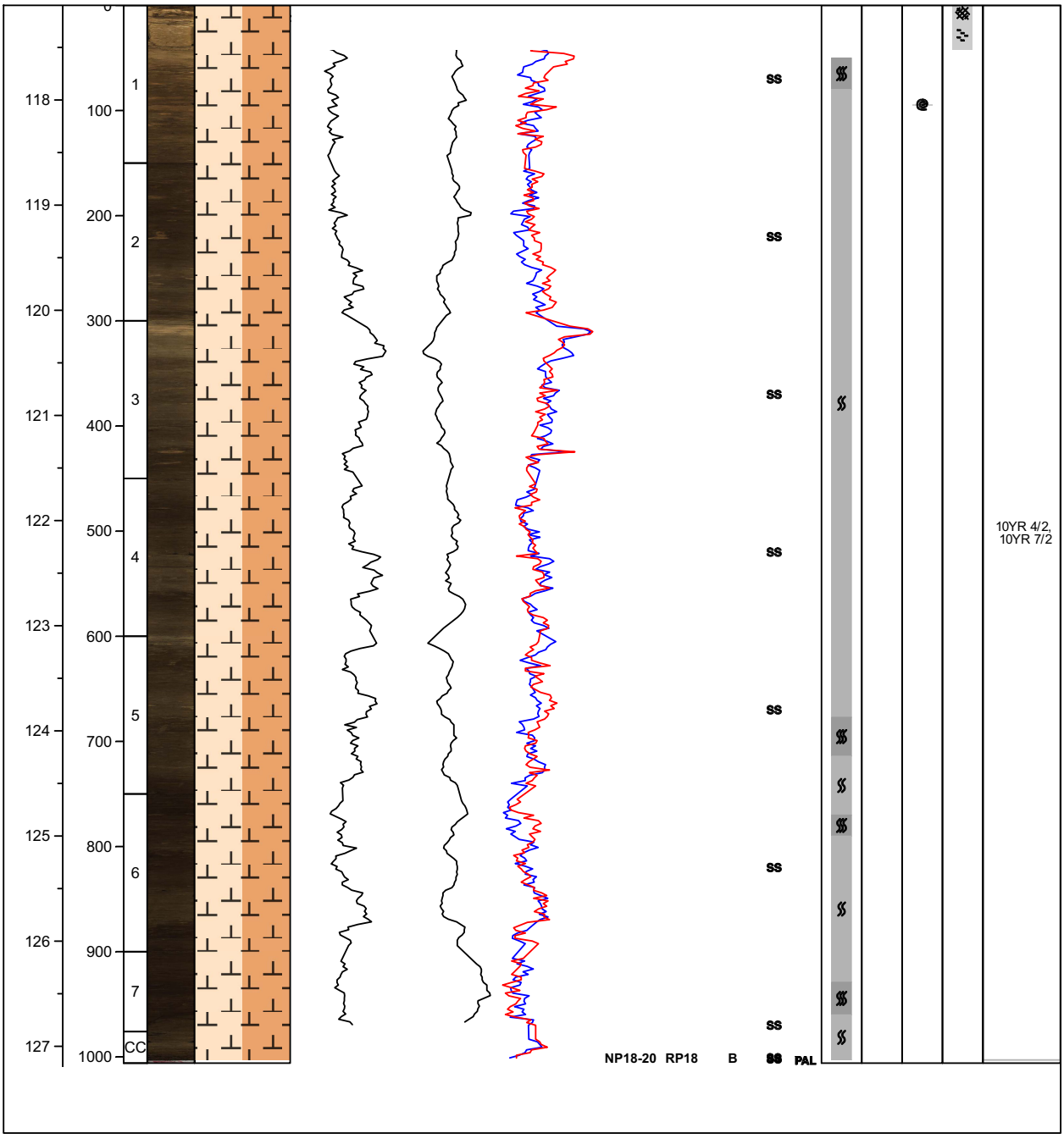
Major lithologies: Nannofossil ooze; Radiolarian nannofossil ooze; Minor lithology: Nannofossil ooze with diatoms and radiolarians; Radiolarian ooze with clay; Homogeneous nannofossil ooze grade down to radiolarian ooze with clay and radiolarian nannofossil ooze.



Core Photo

Hole 320-U1333C Core 15H, Interval 117.1-127.16 m (CSF-A)

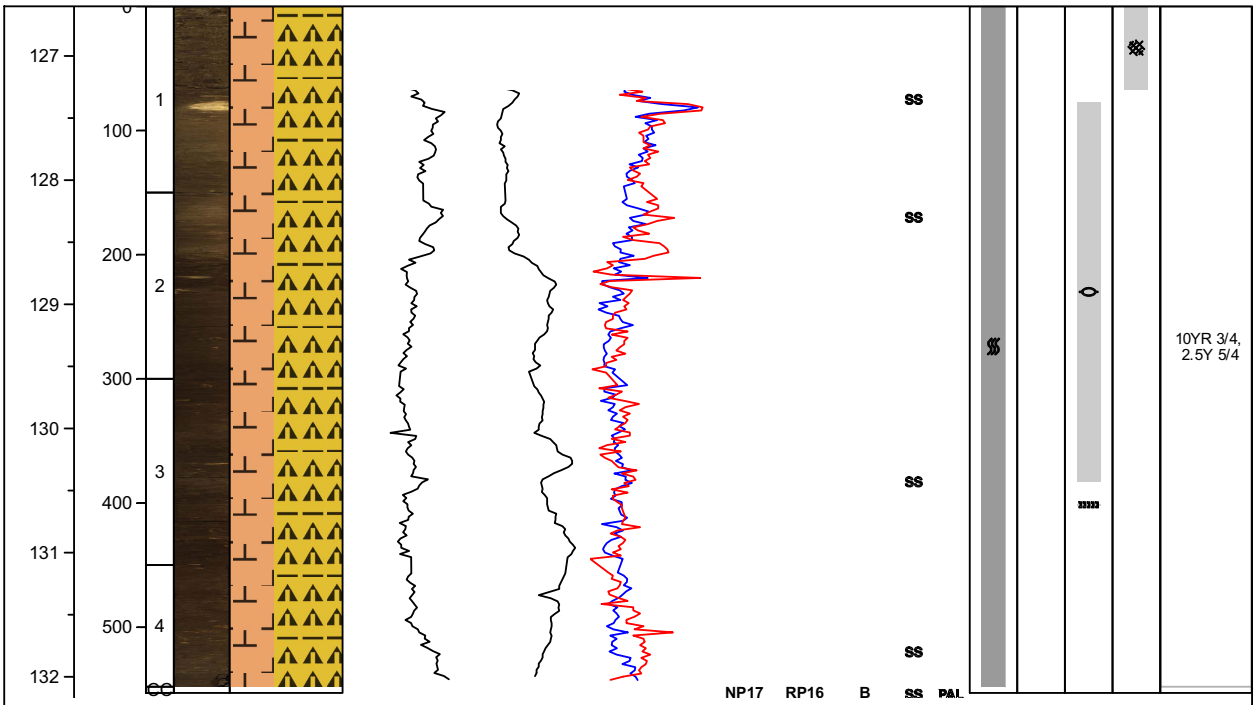
Major lithology: Nannofossil ooze with radiolarians; radiolarian nannofossil ooze. Alternation of light gray nannofossil ooze with radiolarians and dark grayish brown radiolarian nannofossil ooze.



Core Photo

Hole 320-U1333C Core 16H, Interval 126.6-132.13 m (CSF-A)

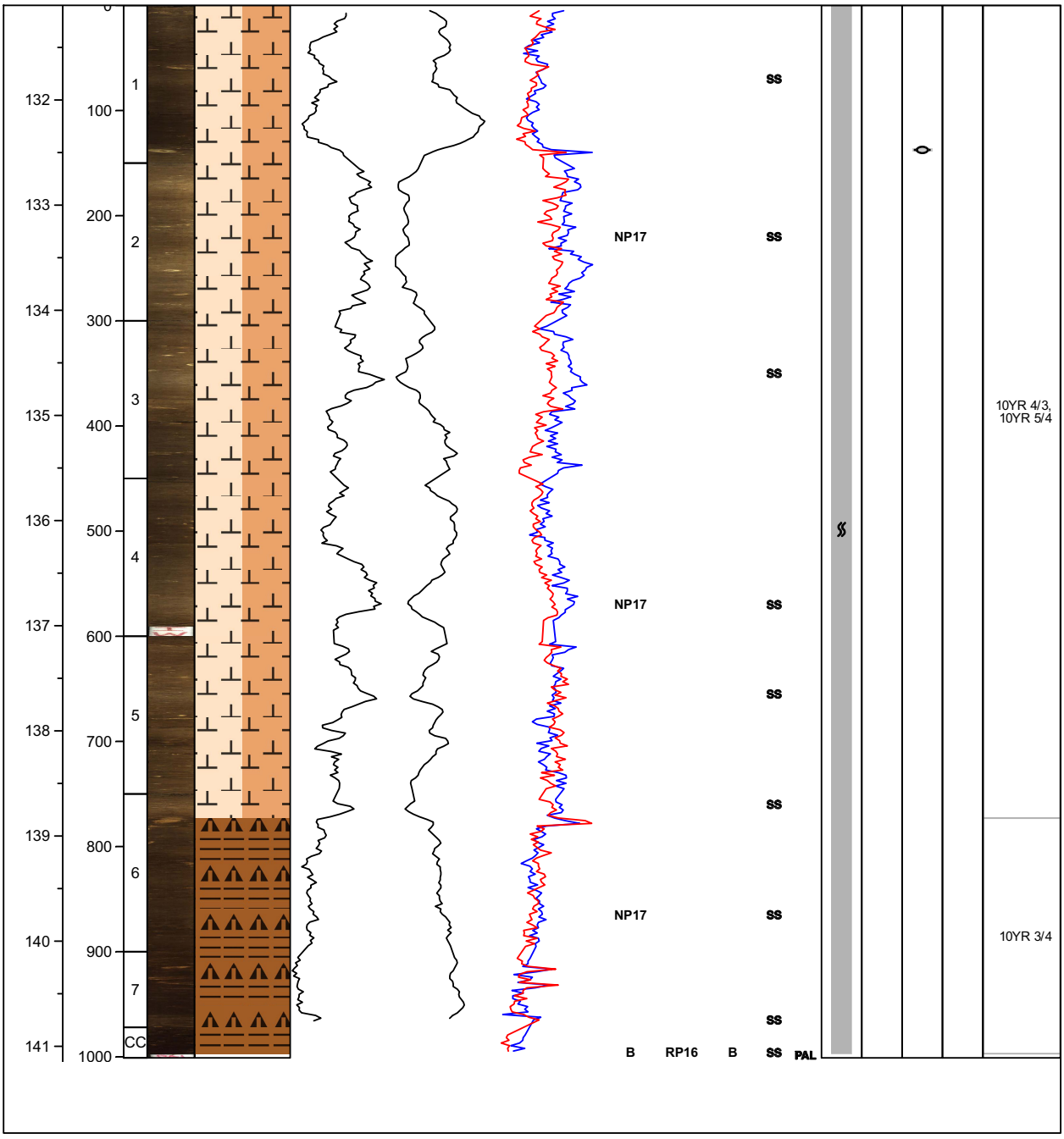
Major lithologies: Radiolarian nannofossil ooze; clayey radiolarian ooze with nannofossils. Alternation of light olive brown radiolarian nannofossil and dark yellowish brown clayey radiolarian ooze with nannofossils.



Core Photo

Hole 320-U1333C Core 17H, Interval 131.1-141.11 m (CSF-A)

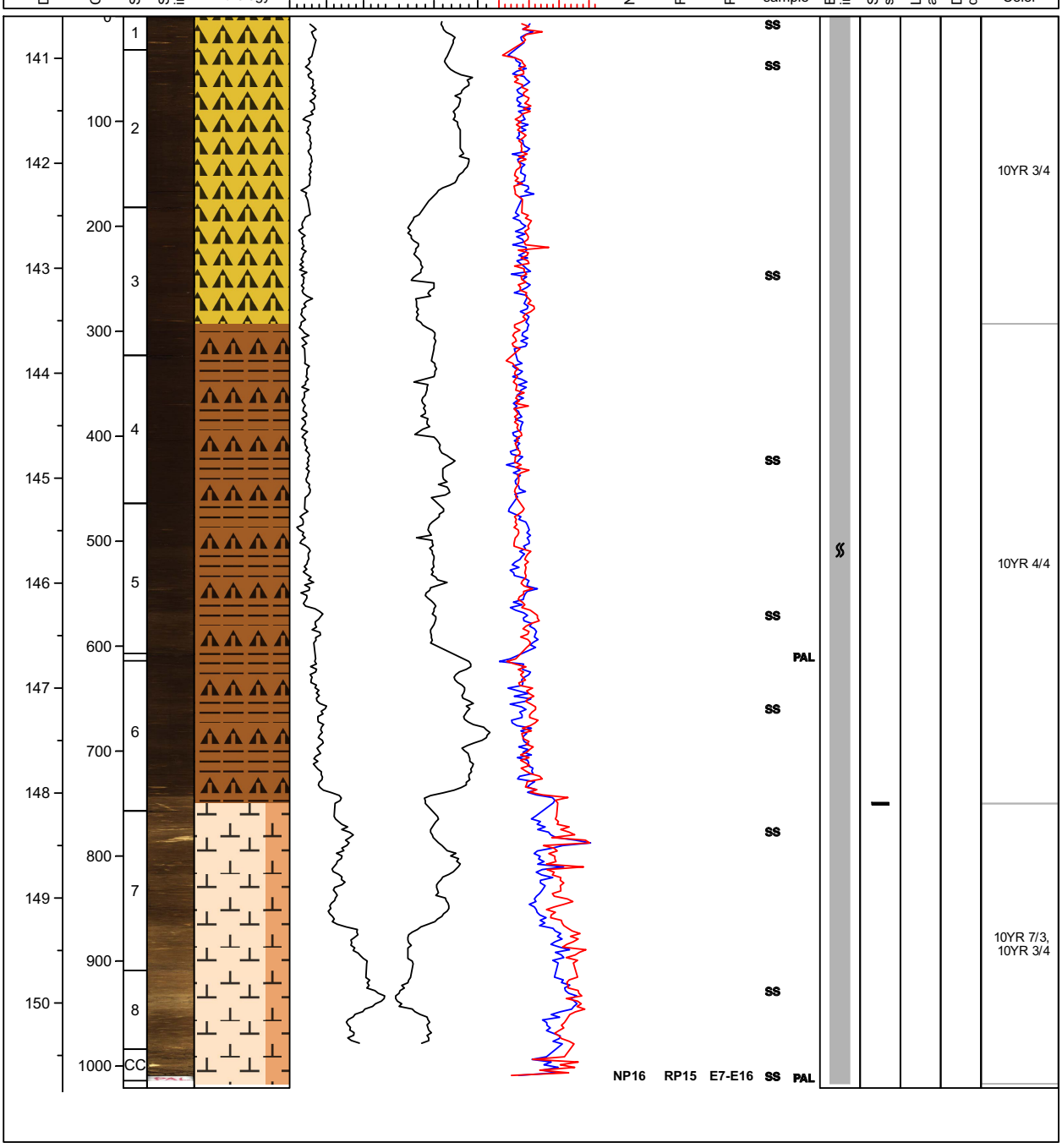
Major lithology: Nannofossil ooze; radiolarian nannofossil ooze; radiolarian clay. Alternation of yellowish brown nannofossil ooze and brown radiolarian nannofossil ooze, grading down to a dark yellowish brown radiolarian clay.



Core Photo

Hole 320-U1333C Core 18H, Interval 140.6-150.81 m (CSF-A)

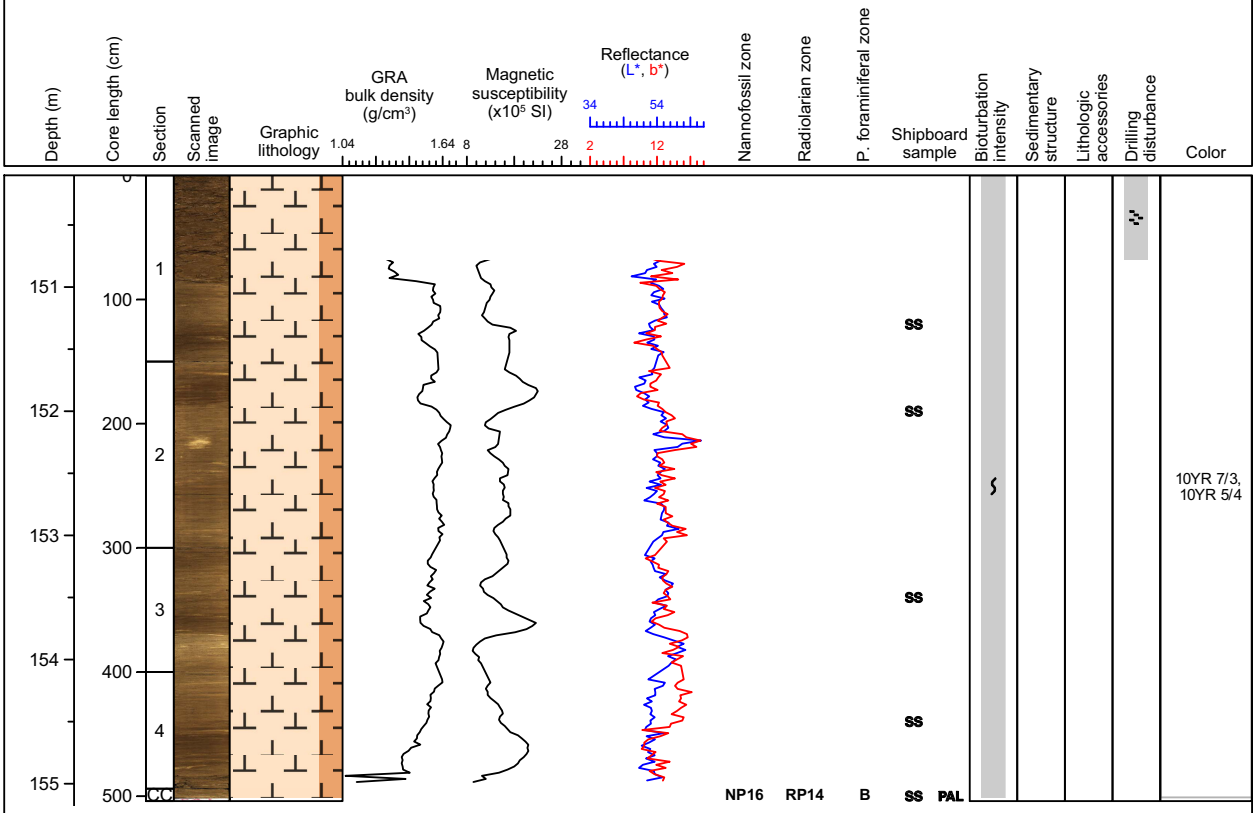
Major lithology: Radiolarian ooze with clay; radiolarian clay; nannofossil ooze. Dark yellowish brown radiolarian ooze with clay overlies dark yellowish brown radiolarian clay. Alternations of very pale brown nannofossil ooze and dark yellowish brown radiolarian ooze with clay lie at base of core.



Core Photo

Hole 320-U1333C Core 19H, Interval 150.1-155.14 m (CSF-A)

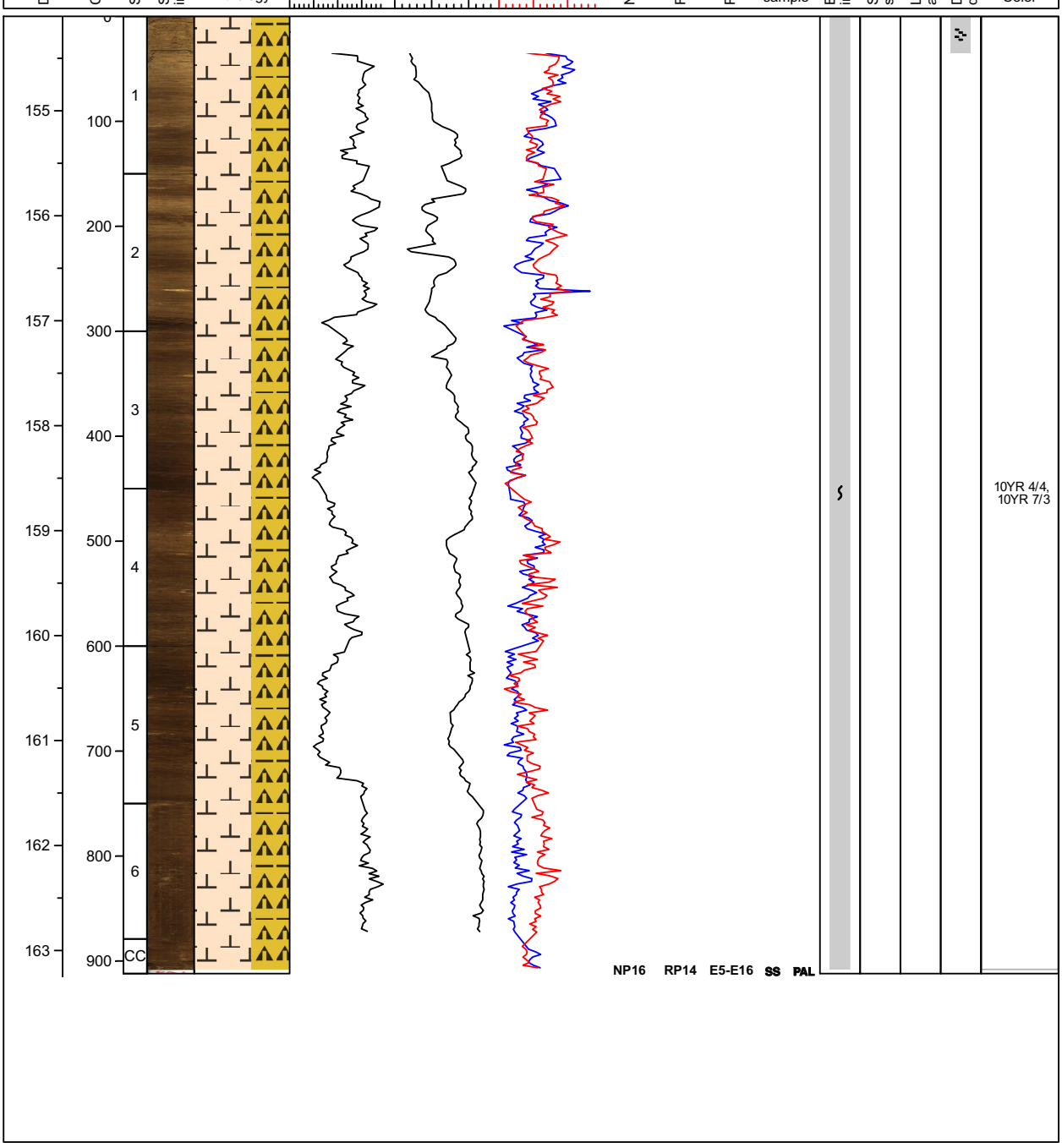
Major lithology: Nannofossil ooze with radiolarians; radiolarian nannofossil ooze with clay. Alternation of very pale brown nannofossil ooze with radiolarians and yellowish brown radiolarian nannofossil ooze with clay.



Core Photo

Hole 320-U1333C Core 20H, Interval 154.1-163.22 m (CSF-A)

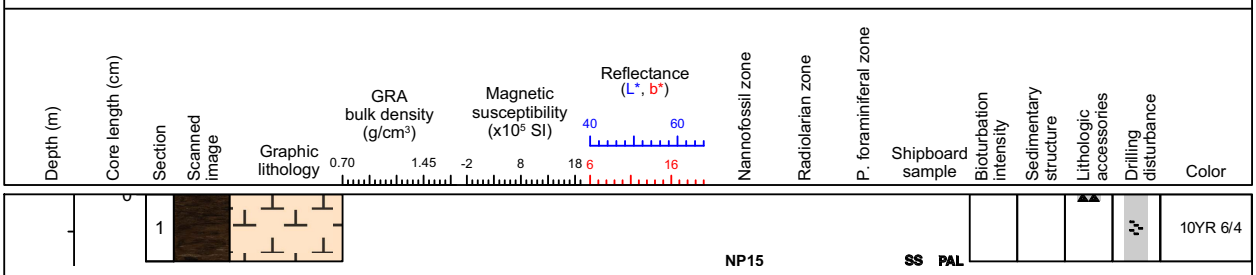
Major lithology: Nannofossil ooze with radiolarians; clayey radiolarian ooze. Alternation of very pale brown nannofossil ooze with radiolarians and clay and dark yellowish brown clayey radiolarian ooze.



Core Photo

Hole 320-U1333C Core 21H, Interval 163.2-163.74 m (CSF-A)

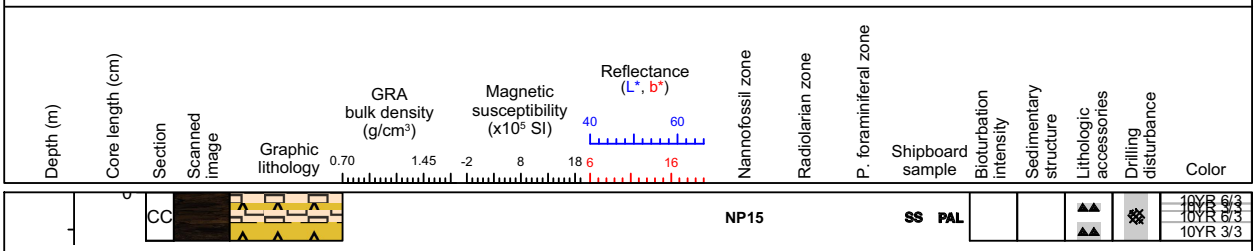
Major lithology: Nannofossil ooze with radiolarians; porcellanite. Light yellowish brown nannofossil ooze with radiolarians containing porcellanite. The core was disturbed by drilling.



Core Photo

Hole 320-U1333C Core 22X, Interval 163.2-163.59 m (CSF-A)

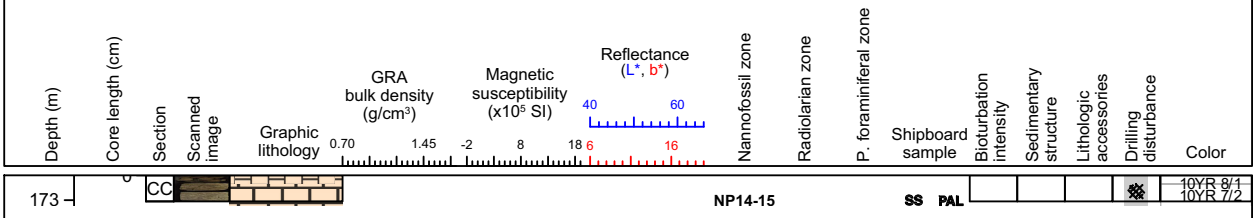
Major lithology: Calcareous ooze with nannofossils; porcellanite. Alternation of pale brown calcareous ooze and dark brown porcellanite, core was disturbed by drilling.



Core Photo

Hole 320-U1333C Core 23X, Interval 172.8-173.01 m (CSF-A)

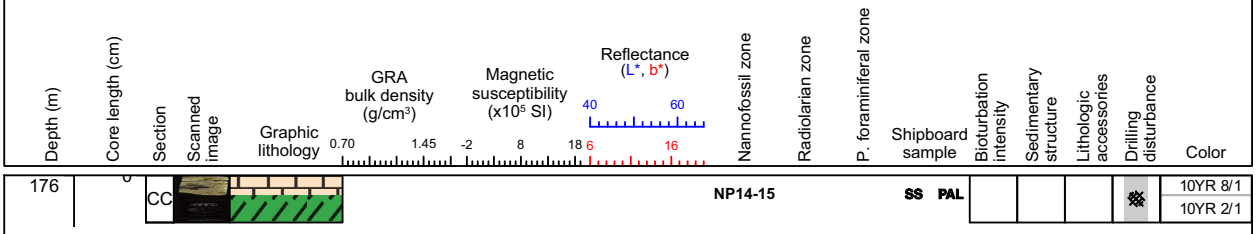
Major lithology: Limestone; chalk; white limestone and light gray chalk with basalt fragments. Core was distrubed by drilling.



Core Photo

Hole 320-U1333C Core 24X, Interval 176.0-176.38 m (CSF-A)

Major lithology: Limestone; basalts; white limestone with basalt fragments. Core was disturbed by drilling.



Sample				Mineralogy (%)													Biogenic (%)										
Sample ID	Top Interval (cm)	Depth CSF-A (m)	Lithology*	Clay Mineral	Phillipsite	Clinoptilolite	Mica	Calcite	Dolomite	Quartz	Microcrystalline Qtz	Apatite	Fe Oxide	Mn Oxide	Feldspar	Volcanic Glass	Micronodules	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Spicules	Fish Remains	Opaque	Lithology
Hole A																										
320-U1333A-1H-1-A	12	0.12	major	4														90		1	5				T	Nannofossil ooze
320-U1333A-1H-1-A	67	0.67	major	37	1			T										15		1	45				1	Clayey radiolarian ooze with nannofossils
320-U1333A-1H-3-A	110	4.10	major	22	T													45		T	32				1	Radiolarian nannofossil ooze with clay
320-U1333A-1H-6-A	40	7.90	major	5				3										90			2				T	Nannofossil ooze
320-U1333A-2H-1-A	52	10.02	major	1														97			2				T	Nannofossil ooze
320-U1333A-2H-3-A	26	12.76	major	6														70		4	20					Nannofossil ooze with radiolarians
320-U1333A-2H-6-A	100	18.00	major	T														93		T	7				T	Nannofossil ooze
320-U1333A-3H-2-A	110	21.60	major															95			5					Nannofossil ooze
320-U1333A-3H-6-A	63	27.13	major															81		T	19					Nannofossil ooze with radiolarians
320-U1333A-3H-7-A	69	28.69	major															97			3					Nannofossil ooze
320-U1333A-4H-3-A	25	31.75	major	1														82		5	13					Nannofossil ooze
320-U1333A-4H-4-A	129	34.29	major	2														72		10	18				T	Nannofossil ooze with diatoms and radiolarians
320-U1333A-4H-4-A	60	33.60	major															80		15	5					Nannofossil ooze with diatoms
320-U1333A-4H-6-A	60	36.60	major															84		10	6					Nannofossil ooze with diatoms
320-U1333A-4H-7-A	10	37.60	major	2														89		3	8				T	Nannofossil ooze
320-U1333A-4H-7-A	80	38.30	major															97			3				T	Nannofossil ooze
320-U1333A-5H-2-A	126	40.76	major															89		2	9				T	Nannofossil ooze
320-U1333A-5H-4-A	40	42.90	major															96		2	2				T	Nannofossil ooze
320-U1333A-5H-6-A	50	46.00	major															92		3	5					Nannofossil ooze
320-U1333A-5H-7-A	44	47.44	major	T														99	T	T	1				T	Nannofossil ooze
320-U1333A-6H-4-A	149	53.49	major															96	T	T	4					Nannofossil ooze
320-U1333A-6H-6-A	37	55.37	major															95		2	3					Nannofossil ooze
320-U1333A-7H-3-A	134	61.34	minor	1				2										94		1	1				1	Nannofossil ooze
320-U1333A-7H-5-A	60	63.60	major	1				2										95		1	1				T	Nannofossil ooze
320-U1333A-8H-CC-A	2	75.95	major	1				2										95		1	1				T	Nannofossil ooze
320-U1333A-9H-7-A	26	85.26	major	1	T			1										95		2	1				T	Nannofossil ooze
320-U1333A-10H-6-A	22	93.22	major	1	T			1										95		2	1				T	Nannofossil ooze
320-U1333A-12X-1-A	64	101.34	majot															90		7	3					Nannofossil ooze
320-U1333A-12X-1-A	140	102.10	major															70		25	5					Diatom Nannofossil ooze
320-U1333A-12X-2-A	130	103.50	major															79		16	5					Nannofossil ooze with diatoms
320-U1333A-12X-4-A	15	105.35	minor															72		21	7					Nannofossil ooze with diatoms
320-U1333A-12X-5-A	60	107.30	major															87		10	4					Nannofossil ooze with diatoms
320-U1333A-12X-5-A	120	107.90	minor															95		2	3					Nannofossil ooze
320-U1333A-12X-5-A	70	107.40	major															77		16	7					Nannofossil ooze with diatoms
320-U1333A-12X-5-A	85	107.55	major															76		21	3					Nannofossil ooze with diatoms
320-U1333A-12X-5-A	100	107.70	major															83		12	5					Nannofossil ooze with diatoms
320-U1333A-13X-1-A	140	111.70	major	2														90	T	4	4					Nannofossil ooze
320-U1333A-13X-2-A	100	112.80	major	8														80		4	8					Nannofossil ooze
320-U1333A-13X-3-A	20	113.50	major	11														18		6	65				T	Radiolarian ooze with clay and nannofossils
320-U1333A-13X-3-A	110	114.40	major	6				1										47		19	27				T	Radiolarian nannofossil ooze with clay and diatoms
320-U1333A-13X-4-A	111	115.91	major	6														76		T	18				T	Nannofossil ooze with radiolarians
320-U1333A-13X-4-A	20	115.00	major	3														69		3	25				T	Radiolarian nannofossil ooze

*Lithology: (D) Dominant; (M) Minor

**(T) Trace

Sample				Mineralogy (%)													Biogenic (%)										
Sample ID	Top Interval (cm)	Depth CSF-A (m)	Lithology*	Clay Mineral	Phillipsite	Clinoptilolite	Mica	Calcite	Dolomite	Quartz	Microcrystalline Qtz	Apatite	Fe Oxide	Mn Oxide	Feldspar	Volcanic Glass	Micronodules	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Spicules	Fish Remains	Opaque	Lithology
Hole A (continued)																										
320-U1333A-13X-5-A	24	116.54	major	34													T	1		T	65					Clayey radiolarian ooze
320-U1333A-13X-6-A	80	118.60	major	8													T	67		T	25					Radiolarian nannofossil ooze
320-U1333A-13X-6-A	122	119.02	major	2														75			23					Nannofossil ooze with radiolarians
320-U1333A-14X-4-A	64	125.14	major	15	T													34			50				1	Nannofossil radiolarian ooze with clay
320-U1333A-14X-5-A	107	127.07	major	7														48		1	43				1	Radiolarian nannofossil ooze
320-U1333A-15X-2-A	80	131.90	major	8														50			40				2	Radiolarian nannofossil ooze
320-U1333A-15X-4-A	104	135.14	minor	5				1										78			15				1	Nannofossil ooze with radiolarians
320-U1333A-15X-6-A	55	137.65	major	15				1										39			45				T	Nannofossil radiolarian ooze with clay
320-U1333A-15X-6-A	127	138.37	major	8	T													45			47				T	Nannofossil radiolarian ooze
320-U1333A-15X-6-A	135	138.45	major	35	1													12			50				2	Clayey radiolarian ooze with nannofossils
320-U1333A-15X-7-A	16	138.76	major	35				1										17		T	45				2	Clayey radiolarian ooze with nannofossils
320-U1333A-15X-CC-A	8	139.07	major	45	2			T													50				3	Clayey radiolarian ooze
320-U1333A-16X-3-A	40	142.60	major	43																T	55				2	Clayey radiolarian ooze
320-U1333A-16X-6-A	120	147.90	major	7				1										50		1	40				1	Radiolarian nannofossil ooze
320-U1333A-16X-6-A	52	147.22	major	25				2										30			40				3	Nannofossil radiolarian ooze with clay
320-U1333A-17X-1-A	145	150.25	major	8				1										60			30				T	Radiolarian nannofossil ooze
320-U1333A-17X-5-A	127	156.07	major	40				1										7			50				2	Clayey radiolarian ooze
320-U1333A-18X-1-A	17	158.57	major	8														53			38				1	Radiolarian nannofossil ooze
320-U1333A-18X-1-A	61	159.01	major					2										61		T	36				1	Radiolarian nannofossil ooze
320-U1333A-18X-3-A	17	160.91	major	14													T	20		4	59				3	Radiolarian ooze with clay and nannofossils
320-U1333A-18X-4-A	88	163.12	major	3														70		1	25				1	Radiolarian nannofossil ooze
320-U1333A-19X-1-A	80	168.80	major	1														75		T	24				T	Nannofossil ooze with radiolarians
320-U1333A-19X-3-A	24	171.24	major	20				2										T		1	74				3	Radiolarian ooze with clay
320-U1333A-19X-3-A	38	171.38	minor	57														T			40				3	Radiolarian Clay
320-U1333A-19X-4-A	30	172.80	major	16				1	2								T	75			6				T	Nannofossil ooze with clay
320-U1333A-19X-5-A	30	174.30	major	3				3										93	T						1	Nannofossil ooze
320-U1333A-19X-5-A	43	174.43	major	25				4									T	67			4				T	Clayey nannofossil ooze
320-U1333A-20X-1-A	105	178.65	major	21	4			1									T	70			2				2	Nannofossil ooze with clay
320-U1333A-20X-1-A	136	178.96	major	2													T	94	T		4				T	Nannofossil ooze
320-U1333A-20X-2-A	49	179.59	major	2	2				1									95	T						T	Nannofossil ooze
320-U1333A-20X-2-A	80	179.90	major	4					11									85	T		T				T	Nannofossil ooze with dolomite
320-U1333A-20X-CC-A	3	179.94	major					99											T		1					limestone
320-U1333A-16X-4-A	130	145.00	major																							Nannofossil radiolarian ooze with clay
320-U1333A-17X-2-A	95	151.25	major																							Radiolarian nannofossil ooze with clay
Hole B																										
320-U1333B-1H-1-A	4	0.04	minor	72				4									T			5	19				T	Clay with radiolarians
320-U1333B-1H-2-A	50	2.00	major	71				4	T	T				T			T			2	23				T	Clay with radiolarians
320-U1333B-1H-3-A	26	3.26	major	18				2									1	61		1	17					Nannofossil ooze with radiolarians and clay
320-U1333B-1H-4-A	70	5.20	major	41				1										19		3	36				T	Radiolarian Clay with nannofossils
320-U1333B-2H-2-A	66	9.86	major	T														96			4					Nannofossil ooze
320-U1333B-2H-3-A	30	11.00	major	4														83			11				2	Nannofossil ooze with radiolarians
320-U1333B-3H-6-A	50	25.20	major	2				1										93		1	3					Nannofossil ooze

*Lithology: (D) Dominant; (M) Minor

**(T) Trace

Sample				Mineralogy (%)												Biogenic (%)										
Sample ID	Top Interval (cm)	Depth CSF-A (m)	Lithology*	Clay Mineral	Phillipsite	Clinoptilolite	Mica	Calcite	Dolomite	Quartz	Microcrystalline Qtz	Apatite	Fe Oxide	Mn Oxide	Feldspar	Volcanic Glass	Micronodules	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Spicules	Fish Remains	Opaque	Lithology
Hole B (continued)																										
320-U1333B-3H-7-A	66	26.86	major	20														45		T	33				2	Radiolarian nannofossil ooze with clay
320-U1333B-4H-4-A	148	32.68	major	4				2								T		77	T	2	15				T	Nannofossil ooze with radiolarians
320-U1333B-6H-3-A	104	49.74	major	3				2										88		3	4				T	Nannofossil ooze
320-U1333B-7H-2-A	115	57.85	major	3				2										90	T	2	3				T	Nannofossil ooze
320-U1333B-8H-2-A	15	66.35	major	1				1										95		1	2				T	Nannofossil ooze
320-U1333B-9H-4-A	84	79.54	major							T								99			1					Nannofossil ooze
320-U1333B-9H-6-A	17	81.87	major															96			4					Nannofossil ooze
320-U1333B-10H-5-A	80	90.50	major										T					86		5	9					Nannofossil ooze
320-U1333B-11H-3-A	110	97.30	major															94		2	4					Nannofossil ooze
320-U1333B-11H-7-A	12	102.32	major															95		3	2					Nannofossil ooze
320-U1333B-12H-1-A	36	103.06	major	T														86		8	6					Nannofossil ooze
320-U1333B-12H-1-A	50	103.20	major	T														87		8	5					Nannofossil ooze
320-U1333B-12H-1-A	75	103.45	major															86		10	4					Nannofossil ooze with diatoms
320-U1333B-12H-1-A	20	102.90	major															91		6	3					Nannofossil ooze
320-U1333B-12H-1-A	63	103.33	major															83		9	8					Nannofossil ooze
320-U1333B-12H-2-A	75	104.95	major															86		12	3					Nannofossil ooze with diatoms
320-U1333B-12H-3-A	75	106.45	major															83		13	4					Nannofossil ooze with diatoms
320-U1333B-12H-4-A	70	107.90	major															78		16	6					Nannofossil ooze with diatoms
320-U1333B-12H-5-A	2	108.72	minor															68		26	6					Diatom nannofossil ooze
320-U1333B-12H-6-A	70	110.90	major	T														88		6	6					Nannofossil ooze
320-U1333B-12H-7-A	44	112.14	major															92		6	2					Nannofossil ooze
320-U1333B-12H-7-A	5	111.75	major															76		21	3					Nannofossil ooze with diatoms
320-U1333B-13H-2-A	70	114.40	major															94		1	5				T	Nannofossil ooze
320-U1333B-13H-3-A	15	115.35	major															89		6	5					Nannofossil ooze
320-U1333B-13H-3-A	115	116.35	major															93		2	5					Nannofossil ooze
320-U1333B-13H-4-A	23	116.93	major	8													T	3		7	82				T	Radiolarian ooze
320-U1333B-13H-4-A	114	117.84	major	4												T		66	T	8	22					Nannofossil ooze with radiolarians
320-U1333B-13H-5-A	2	118.22	minor	5												1		52		7	35					Radiolarian nannofossil ooze
320-U1333B-13H-5-A	140	119.60	major					T										73		2	24				1	Nannofossil ooze with radiolarians
320-U1333B-13H-6-A	73	120.43	major	27									T					T		5	67				1	Clayey radiolarian ooze
320-U1333B-13H-7-A	35	121.55	major	10													T	58		2	30				T	Radiolarian nannofossil ooze with clay
320-U1333B-14H-2-A	140	124.60	major	10				1										50		T	38				1	Radiolarian nannofossil ooze with clay
320-U1333B-14H-4-A	40	126.60	major	30	T			T										17		2	50				1	Clayey radiolarian ooze with nannofossils
320-U1333B-14H-5-A	74	128.44	major	33				T	T									T		5	60				2	Clayey radiolarian ooze
320-U1333B-14H-7-A	4	130.74	major	15	T			T										45		T	40				T	Radiolarian nannofossil ooze with clay
320-U1333B-15H-3-A	20	134.40	major	8				1	T									68		T	22				1	Nannofossil ooze with radiolarians
320-U1333B-15H-3-A	123	135.43	major	25	T			3										35		T	34				3	Clayey radiolarian nannofossil ooze
320-U1333B-15H-6-A	70	139.40	major	38	1			T										3			55				3	Clayey radiolarian ooze
320-U1333B-16H-5-A	130	148.00	major	7				1	T									70			22				T	Nannofossil ooze with radiolarians
320-U1333B-16H-7-A	8	149.28	major	20				1	T									27	T	1	50				1	Nannofossil radiolarian ooze with clay
320-U1333B-17H-1-A	136	151.56	major					1										94	T	1	4				T	Nannofossil ooze
320-U1333B-17H-2-A	60	152.30	major	20														53		1	26				T	Radiolarian nannofossil ooze with clay

*Lithology: (D) Dominant; (M) Minor

**(T) Trace

Sample				Mineralogy (%)													Biogenic (%)										
Sample ID	Top Interval (cm)	Depth CSF-A (m)	Lithology*	Clay Mineral	Phillipsite	Clinoptilolite	Mica	Calcite	Dolomite	Quartz	Microcrystalline Qtz	Apatite	Fe Oxide	Mn Oxide	Feldspar	Volcanic Glass	Micronodules	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Spicules	Fish Remains	Opaque	Lithology
Hole B (continued)																										
320-U1333B-17H-4-A	147	156.17	minor	47														5			45				2	Radiolarian Clay
320-U1333B-17H-5-A	140	157.60	major	33													1	12			54				T	Clayey radiolarian ooze with nannofossils
320-U1333B-17H-6-A	63	158.33	major	13														62		2	23				T	Radiolarian nannofossil ooze with clay
320-U1333B-18H-1-A	20	159.90	major	3														87			10				T	Nannofossil ooze with radiolarians
320-U1333B-18H-1-A	88	160.58	major	47														2			52					Clayey radiolarian ooze
320-U1333B-18H-2-A	82	162.02	minor	3														85			11				T	Nannofossil ooze with radiolarians
320-U1333B-19X-3-A	26	165.96	major	38				9										13			40				T	Cleyey radiolarian ooze with nannofossils
320-U1333B-19X-4-A	87	168.07	major	55										T				T		1	43				1	Radiolarian Clay
320-U1333B-19X-5-A	26	168.96	major	2														94	T	T	4					Nannofossil ooze
320-U1333B-20X-1-A	12	172.42	major	1				9	T									90							T	Nannofossil ooze
320-U1333B-20X-1-A	99	173.29	major	26				3										69							2	Clayey nannofossil ooze
320-U1333B-20X-1-A	140	173.70	major	81	8													10							1	Clay with nannofossils
320-U1333B-20X-2-A	101	174.81	major	6				5	3									85							1	Nannofossil ooze
320-U1333B-20X-3-A	142	176.72	major	T					23									77							T	Nannofossil ooze with dolomite
320-U1333B-20X-4-A	132	178.12	major					90	10																	limestone
320-U1333B-20X-4-A	26	177.06	major						56									42			T				1	Nannofossil dolomite Clay
Hole C																										
320-U1333C-2H-1-A	13	1.73	major	67														12		5	15				1	Clay with nannofossils and radiolarians
320-U1333C-2H-1-A	54	2.14	major															93		2	5					Nannofossil ooze
320-U1333C-2H-5-A	90	8.50	major	6														78		4	11				1	Nannofossil ooze with radiolarians
320-U1333C-3H-2-A	6	12.66	major	T				T										99		T	1				T	Nannofossil ooze
320-U1333C-4H-3-A	140	25.00	major	1				2										96		T	1					Nannofossil ooze
320-U1333C-4H-4-A	75	25.85	major	2				1	T									80		1	16					Nannofossil ooze with radiolarians
320-U1333C-5H-3-A	40	33.50	major	1				2										96		T	1					Nannofossil ooze
320-U1333C-5H-4-A	40	35.00	major	5				1										78		3	12				1	Nannofossil ooze with radiolarians
320-U1333C-6H-2-A	60	41.70	major	7				2										78		4	8				1	Nannofossil ooze
320-U1333C-6H-5-A	80	46.40	major	2				2										94		T	2				T	Nannofossil ooze
320-U1333C-6H-7-A	11	48.71	major	5				2										75		5	12				1	Nannofossil ooze with radiolarians
320-U1333C-8H-5-A	110	65.70	major					T										100	T		T				T	Nannofossil ooze
320-U1333C-9H-3-A	75	71.85	major					T										97		1	2					Nannofossil ooze
320-U1333C-10H-5-A	10	83.70	major	T				1										99		T	T					Nannofossil ooze
320-U1333C-10H-7-A	14	86.74	major	T														92		3	6					Nannofossil ooze
320-U1333C-11H-5-A	148	94.58	major															88		5	6					Nannofossil ooze
320-U1333C-14H-2-A	45	109.55	major															92		4	4					Nannofossil ooze
320-U1333C-14H-3-A	70	111.30	major	1				1								T		86		4	8					Nannofossil ooze
320-U1333C-14H-4-A	110	113.20	major	1				1										76		10	12					Nannofossil ooze with diatoms and radiolarians
320-U1333C-14H-5-A	85	114.45	major	15											T	T		3		5	75				1	Radiolarian ooze with clay
320-U1333C-14H-5-A	140	115.00	major	5												T		35		5	53				1	Radiolarian nannofossil ooze
320-U1333C-14H-6-A	95	116.05	minor	7												1		40		2	50					Nannofossil radiolarian ooze
320-U1333C-15H-5-A	145	124.55	major	6														61		2	31					Radiolarian nannofossil ooze
320-U1333C-15H-6-A	100	125.60	major	5														75		2	18					Nannofossil ooze with radiolarians
320-U1333C-16H-1-A	114	127.74	major	6														71			21				2	Radiolarian nannofossil ooze

*Lithology: (D) Dominant; (M) Minor

**(T) Trace

Sample				Mineralogy (%)												Biogenic (%)										
Sample ID	Top Interval (cm)	Depth CSF-A (m)	Lithology*	Clay Mineral	Phillipsite	Clinoptilolite	Mica	Calcite	Dolomite	Quartz	Microcrystalline Qtz	Apatite	Fe Oxide	Mn Oxide	Feldspar	Volcanic Glass	Micronodules	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Spicules	Fish Remains	Opaque	Lithology
Hole C (continued)																										
320-U1333C-16H-2-A	70	128.80	major	36													T	18			45				1	Clayey radiolarian ooze with nannofossil
320-U1333C-16H-4-A	23	131.33	major	37				7	T									15			38				3	Clayey radiolarian ooze with nannofossil
320-U1333C-17H-2-A	116	133.76	major	6				3	T									82		T	8				1	Nannofossil ooze
320-U1333C-17H-4-A	53	136.13	major	27														27		T	41				2	Clayey nannofossil radiolarian ooze
320-U1333C-17H-5-A	142	138.52	minor	7														71			21				1	Nannofossil ooze with radiolarians
320-U1333C-17H-7-A	51	140.61	major	47														6		3	40				4	Radiolarian Clay
320-U1333C-18H-3-A	90	143.32	major	11																T	86				2	Radiolarian ooze with clay
320-U1333C-18H-6-A	97	147.64	major	61				6									1				31				1	Radiolarian Clay
320-U1333C-18H-8-A	30	149.99	major	1														90		1	7				1	Nannofossil ooze
320-U1333C-19H-3-A	25	153.35	major	8				5										67		3	15				2	Nannofossil ooze with radiolarians
320-U1333C-19H-4-A	58	154.68	major	10				3										45			40				2	Radiolarian nannofossil ooze with clay
320-U1333C-20H-5-A	24	160.34	major	40				8								T		5			45				2	Clayey radiolarian ooze
320-U1333C-21H-1-A	28	163.48	major	6				8										70		T	15				1	Nannofossil ooze with radiolarians
320-U1333C-22X-CC-A	4	163.24	major	9				70	2						T			15			3				1	Calcareous ooze
320-U1333C-23X-CC-A	3	172.83	major	5				80	3									8			3				1	Calcareous ooze

*Lithology: (D) Dominant; (M) Minor

**(T) Trace

Thin sections

Sample Interval	(cm)	Depth CSF-A (m)	Non-biogenic materials: Clay Mineral	Phillipsite	Clinoptilolite	Mica	Calcite	Dolomite	Quartz	Microcrystalline Quartz	Apatite	Feldspar	Volcanic Glass	Micronodules	Biogenic materials: Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Spicules	Fish Remains	Opaque	Lithology Name	Comments
320-U1333A-3H-6	148-149	27.98-27.99					5					5	80		5	3		2					Pumice	Euhedral plagioclases (up to 1 mm). Rim part and vesicules are replaced/filled with calcareous particles (possibly nannofossil ooze). Remains of radiolarians and foraminifers are observed in the calcareous part.
320-U1333A-20X-CC	17-22	180.08-180.13					72								5	20						3	Foraminifera-bearing biomicrite	Foraminifera tests and veins are calcified. Nanofossils are rare. Burrows filled with calcite sparite and sediment.
320-U1333C-23X-CC	7-11	172.87-172.91					70								5	20		3				2	Foraminifera-bearing biomicrite	Foraminifera tests and pores are calcified. Nanofossils are rare.

Top	(cm)	Bottom	(cm)	Top Depth CSF-A (m)	Bottom Depth CSF-A (m)	Lithology	Abundance (%)	Color	Comment
Hole A									
320-U1333A-19X-1-A	10	320-U1333A-19X-1-A	14	168.10	168.14	Porcellanite	100		*
320-U1333A-19X-4-A	9	320-U1333A-19X-4-A	18	172.59	172.68	Porcellanite	100		*
320-U1333A-19X-4-A	41	320-U1333A-19X-4-A	49	172.91	172.99	Porcellanite	100		*
320-U1333A-19X-4-A	68	320-U1333A-19X-4-A	72	173.18	173.22	Porcellanite	100		fragments*
320-U1333A-19X-4-A	82	320-U1333A-19X-4-A	85	173.32	173.35	Porcellanite	100		fragments*
320-U1333A-19X-4-A	102	320-U1333A-19X-4-A	107	173.52	173.57	Porcellanite	100		*
320-U1333A-19X-4-A	110	320-U1333A-19X-4-A	141	173.60	173.91	Porcellanite	100		*
Hole B									
320-U1333B-19X-1-A	0	320-U1333B-19X-1-A	8	162.70	162.78	Porcellanite	100		*
320-U1333B-19X-1-A	19	320-U1333B-19X-1-A	25	162.89	162.95	Porcellanite	100		*
320-U1333B-19X-1-A	38	320-U1333B-19X-1-A	42	163.08	163.12	Porcellanite	101		*
320-U1333B-19X-1-A	97	320-U1333B-19X-1-A	104	163.67	163.74	Porcellanite	100		*
320-U1333B-19X-CC-A	0	320-U1333B-19X-CC-A	39	169.45	169.84	Porcellanite	100	10YR 4/4	#
Hole C									
320-U1333C-22X-CC-A	9	320-U1333C-22X-CC-A	15	163.29	163.35	Porcellanite	100	10YR 3/3	*
320-U1333C-22X-CC-A	24	320-U1333C-22X-CC-A	30	163.44	163.50	Porcellanite	100	10YR 3/3	*
320-U1333C-22X-CC-A	30	320-U1333C-22X-CC-A	39	163.50	163.59	Porcellanite		10YR 3/3	porcellanite course fragments mixed with calcareous ooze (debris left down at the bottom)^

* Interbedded, $ Top of core (fall in?), # Core catcher only (in place?), ^ Fragment within sediment