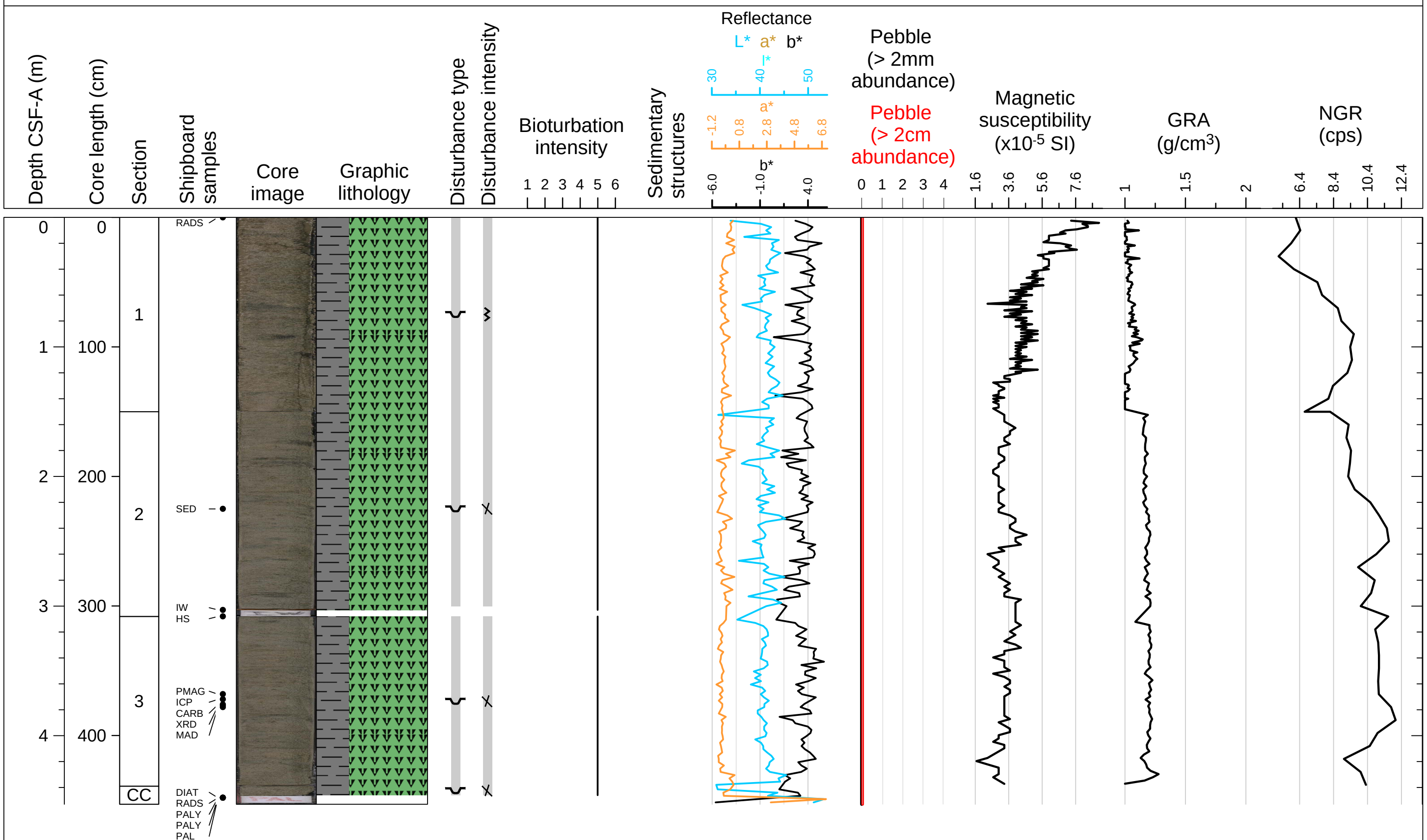
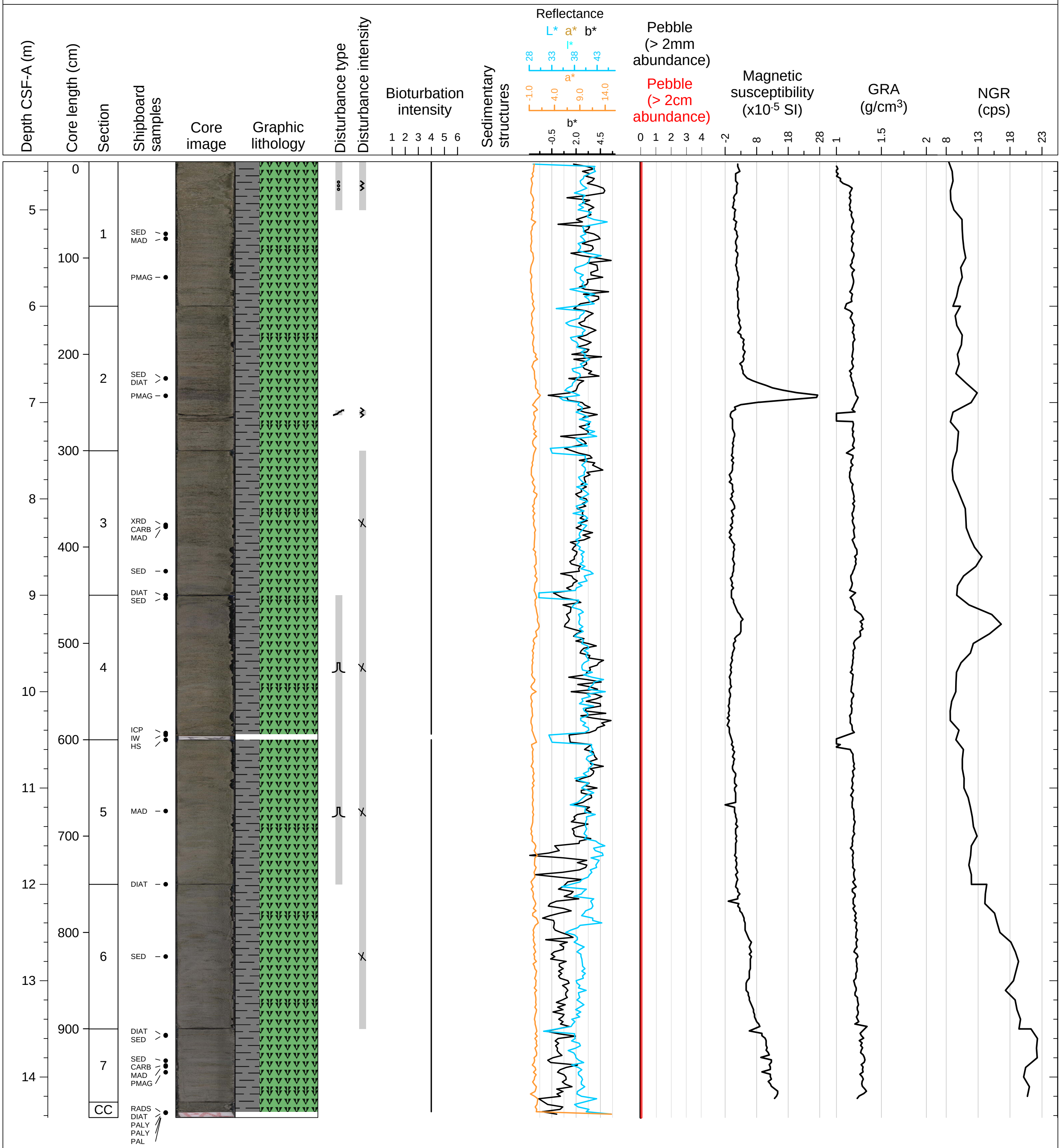
Hole 382-U1536A Core 1F, Interval 0.0-4.53 m (CSF-A)

disturbed greenish grey, bioturbated clay-bearing and silty-clay bearing diatom ooze, few pyritized burrows



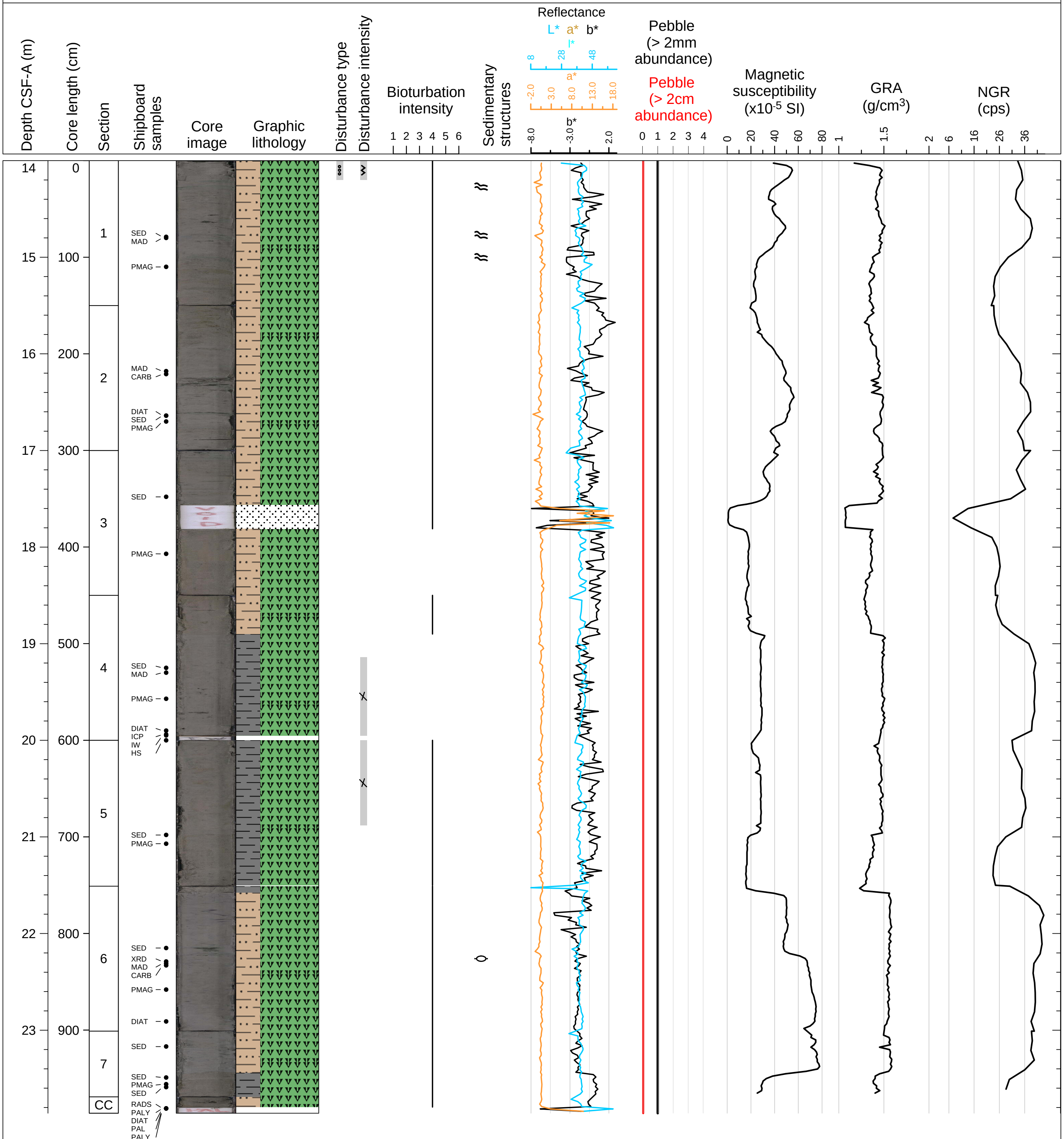
Hole 382-U1536A Core 2H, Interval 4.5-14.42 m (CSF-A)

5/1 10Y greenish gray and 4/1 10Y dark greenish gray diatom ooze, becoming slightly clayier towards the base. Prominent diatom-matts at 5H-47 and 7H-7. Darker layer in 2H contains slightly more terrigeneous material.



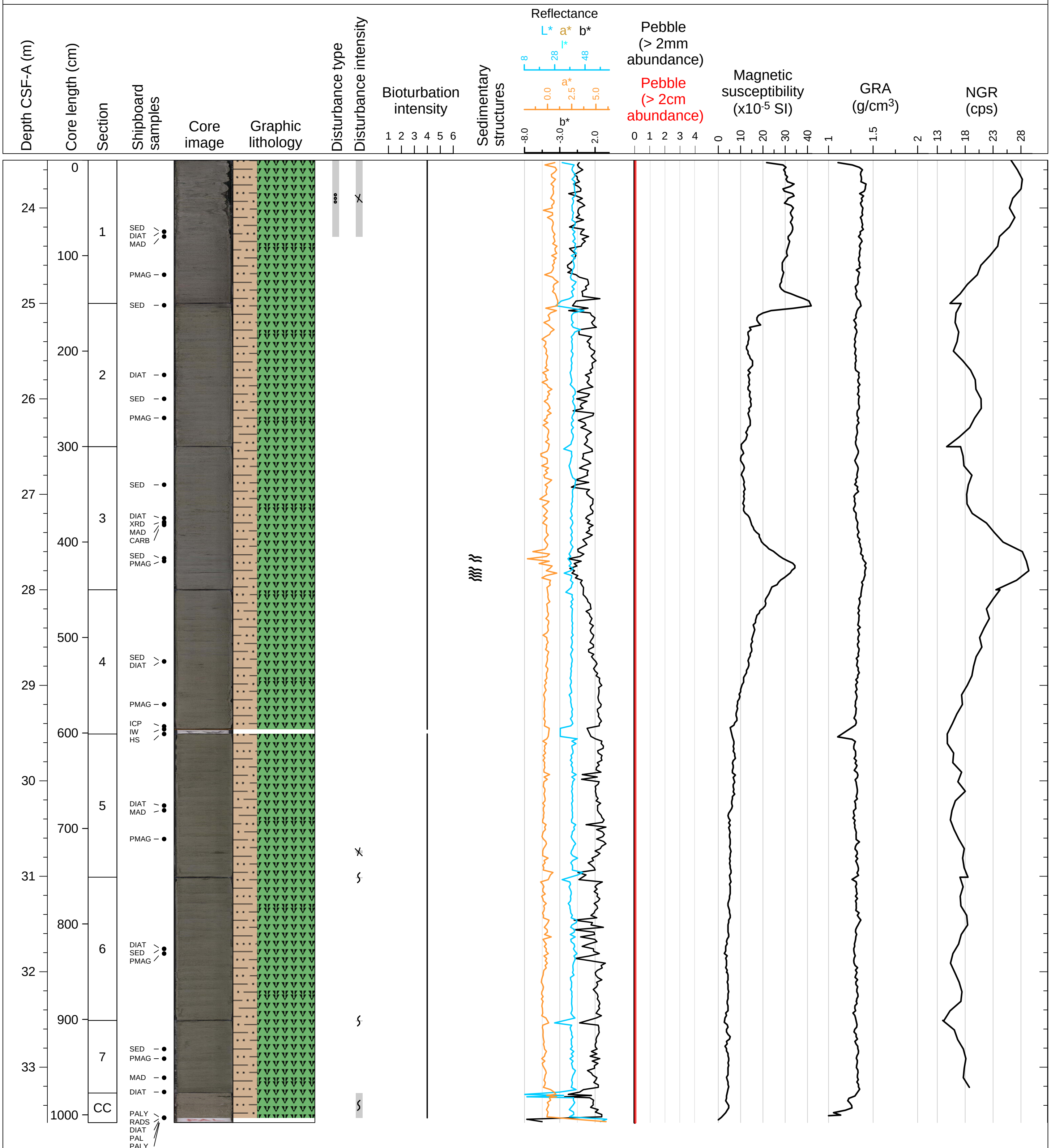
Hole 382-U1536A Core 3H, Interval 14.0-23.86 m (CSF-A)

interbedded clay-bearing diatom ooze, Type A contains less clay and a higher percentage of diatoms than type B , A is browner 10Y 5/1 greenish gray, B is grayer 5GY 5/1 greenish gray with lots of abundant pyrite burrows isolated greenish blue layers / laminations and lenses



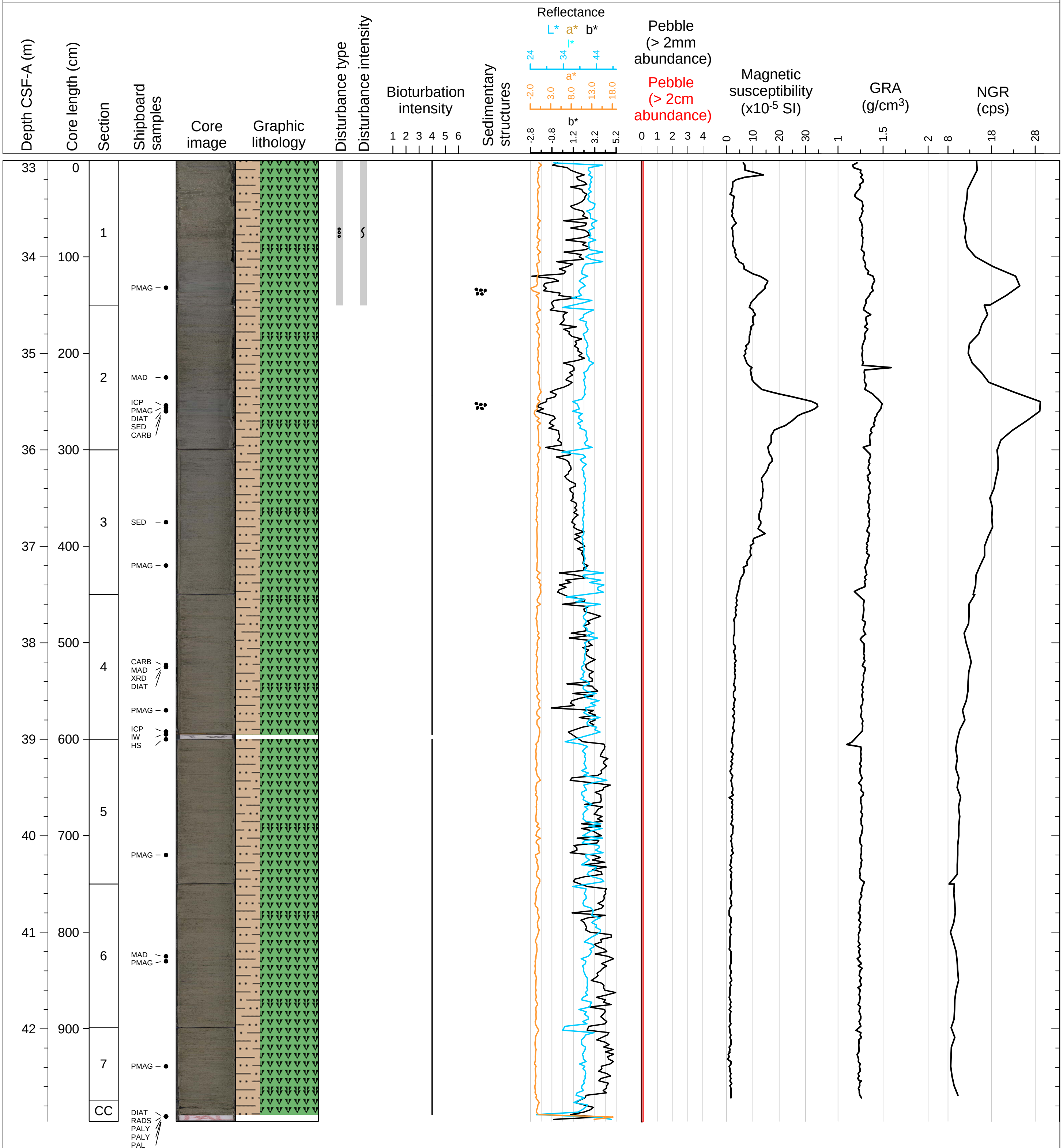
Hole 382-U1536A Core 4H, Interval 23.5-33.58 m (CSF-A)

Homogeneous 10Y 5/1 greenish gray and 10Y 4/1 dark greenish gray silty clayey-bearing diatom ooze with dropstones mostly visible in the X-radiographs.



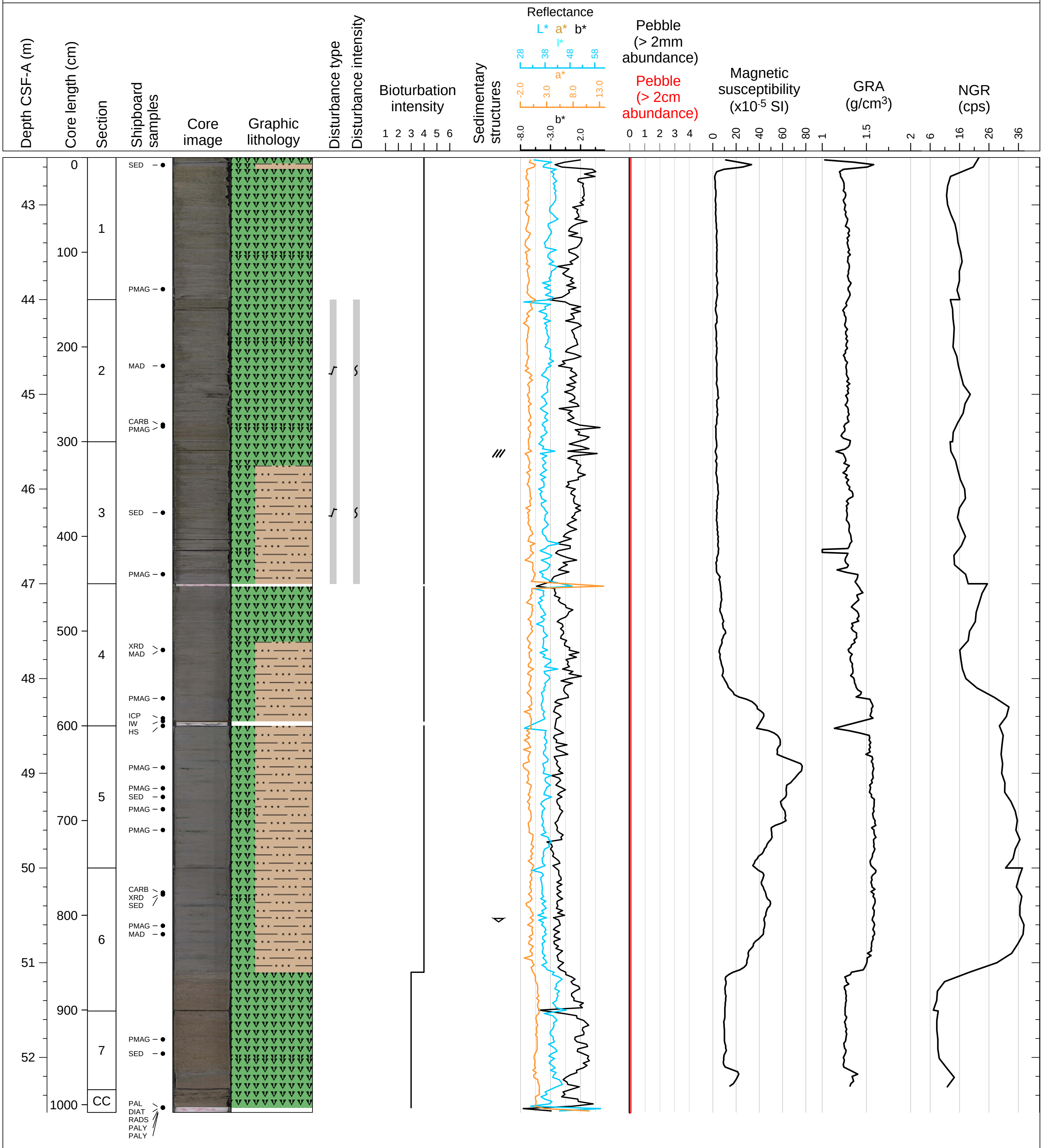
Hole 382-U1536A Core 5H, Interval 33.0-42.96 m (CSF-A)

interbedded clay-bearing diatom ooze, Type A contains less clay and a higher percentage of diatoms than type B , A is browner 10Y 5/1 greenish gray, B is grayer 5GY 5/1 greenish gray with lots of abundant pyrite burrows isolated greenish blue layers / laminations and lenses with dropstones mostly visible in the X-radiographs.



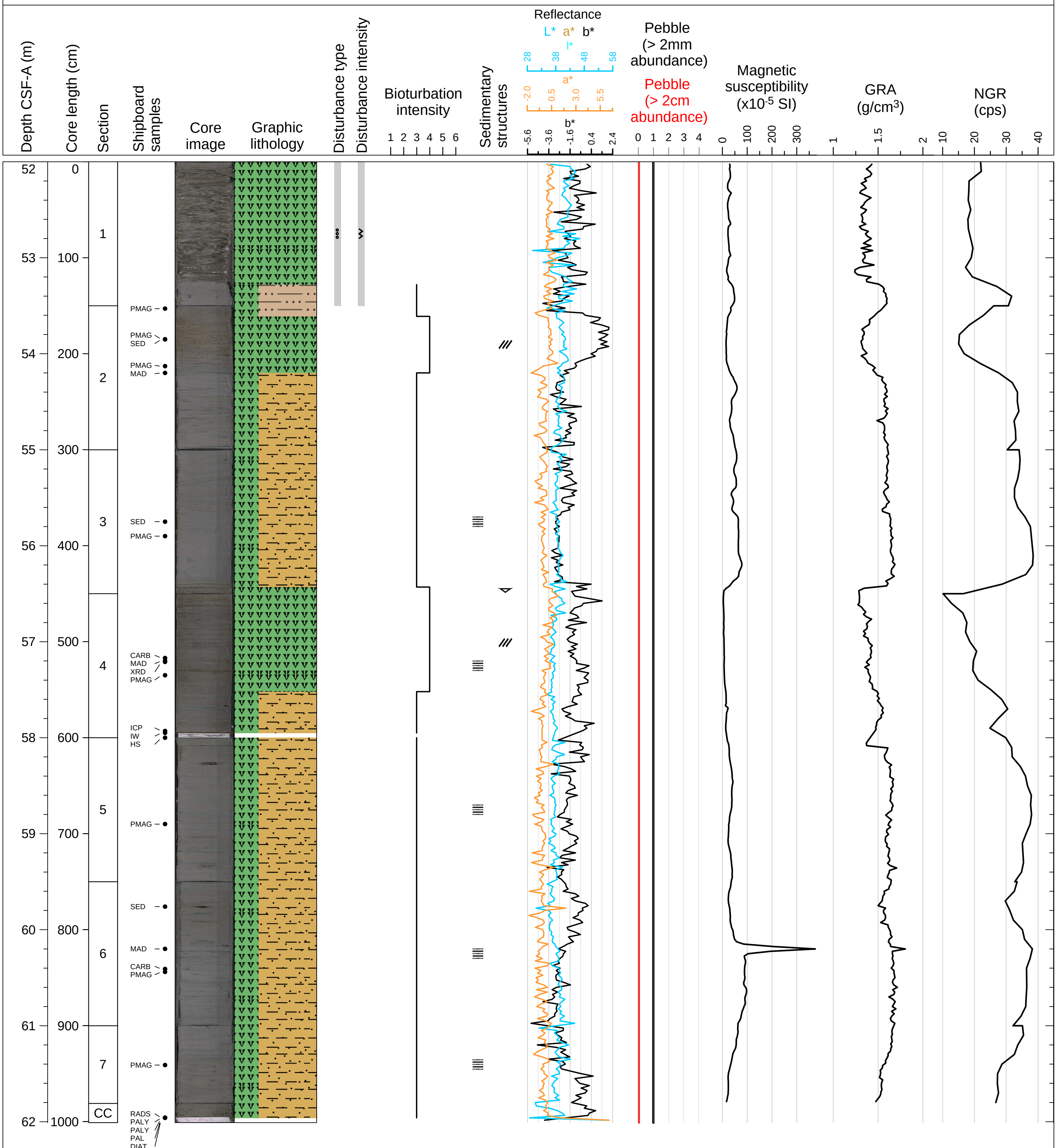
Hole 382-U1536A Core 6H, Interval 42.5-52.58 m (CSF-A)

interbedded dark greenish grey diatom oozes and dark grey diatom rich silty clays several coarser diagentically? altered dark green diatom rich silty clays dropstones occur throughout the core and were identified from x-ray slabs



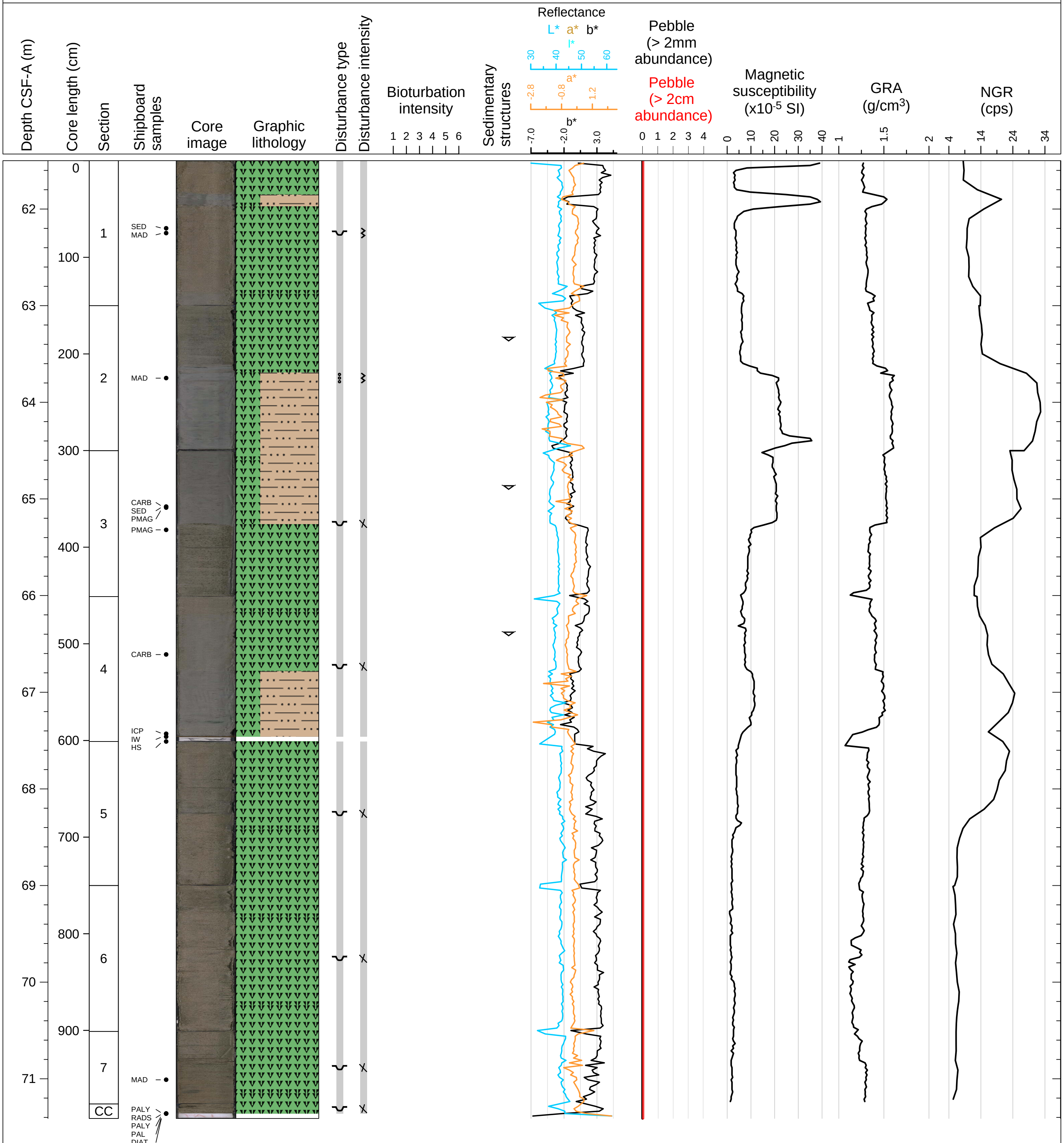
Hole 382-U1536A Core 7H, Interval 52.0-62.01 m (CSF-A)

interbedded dark greenish grey diatom rich silty clays/ clayey silts and diatom oozes, several angular black dropstones were identified during the VCD and on x-ray slabs



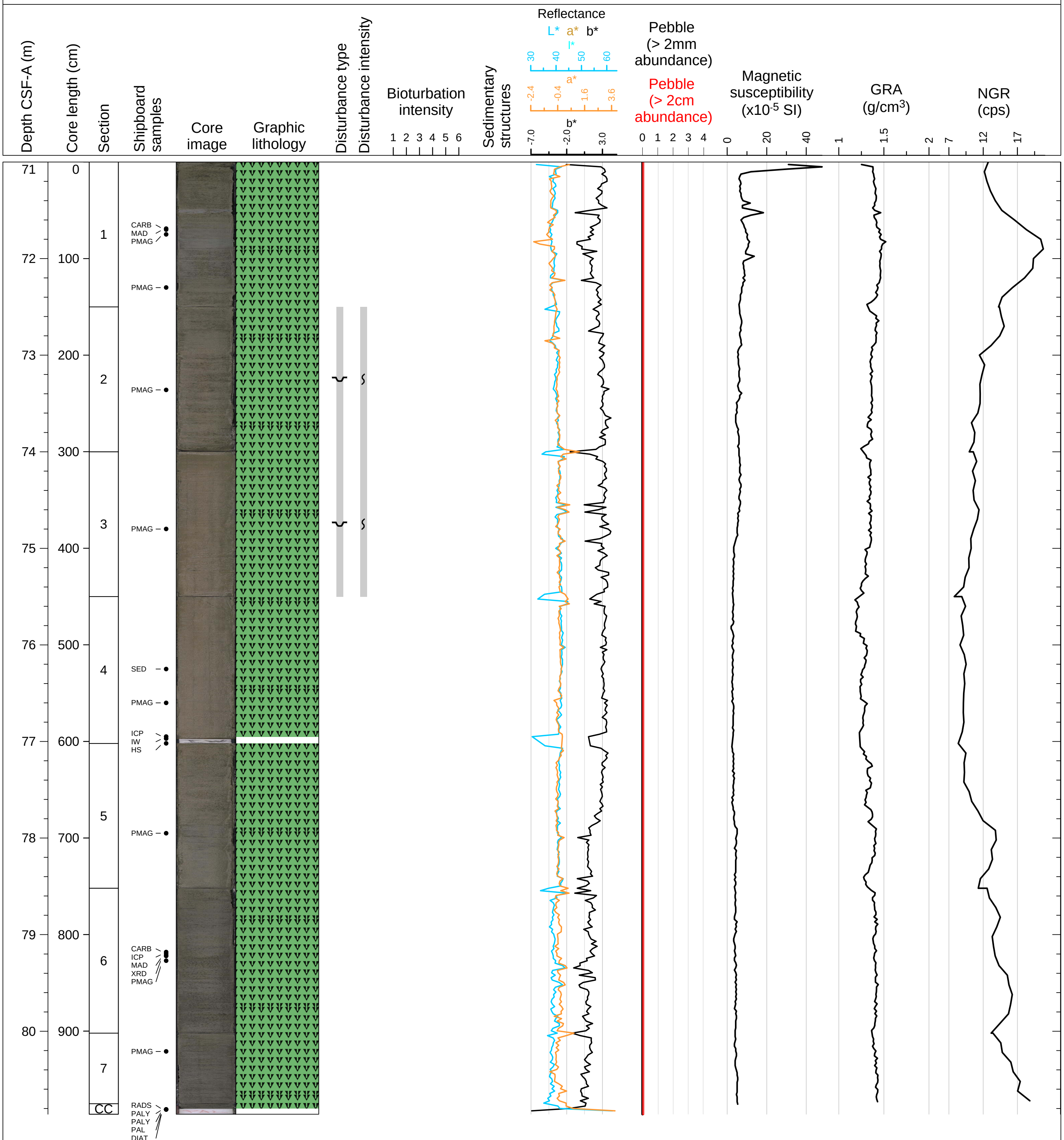
Hole 382-U1536A Core 8H, Interval 61.5-71.41 m (CSF-A)

extremely disturbed (suck in) interbedded diatom oozes and diatom-rich silty clays



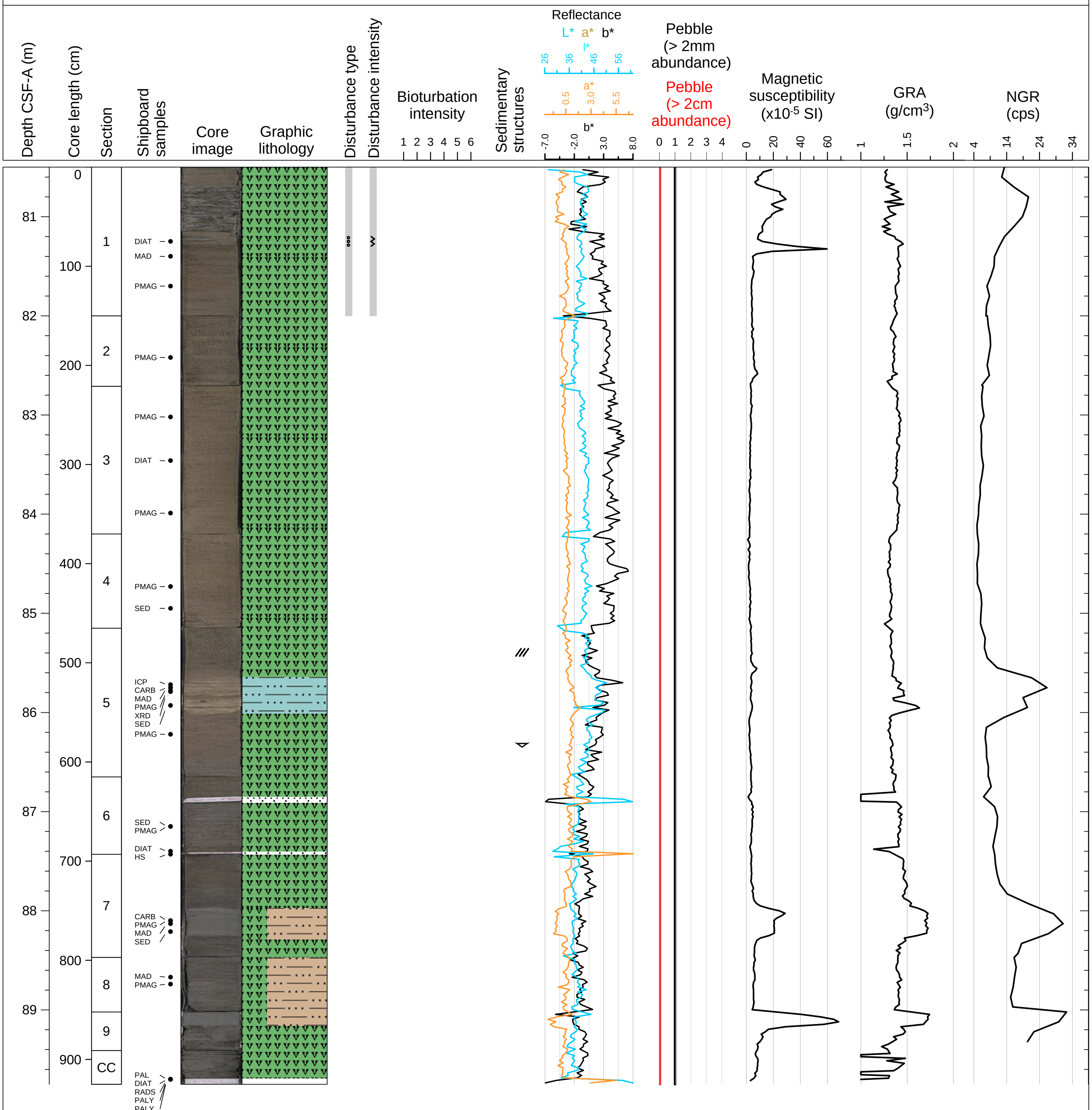
Hole 382-U1536A Core 9H, Interval 71.0-80.86 m (CSF-A)

dark greenish diatom ooze



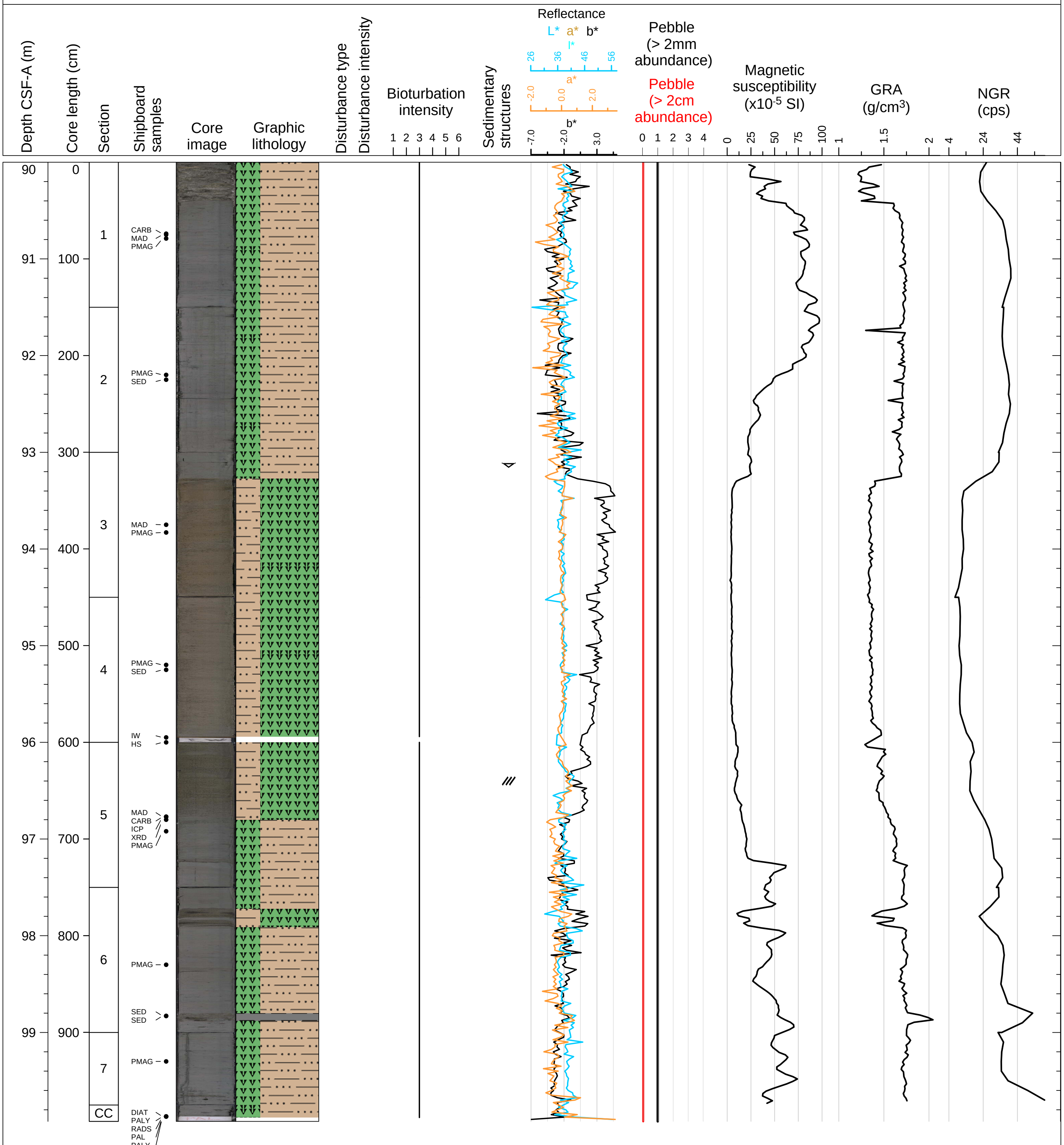
Hole 382-U1536A Core 10H, Interval 80.5-89.75 m (CSF-A)

dark greenish grey diatom oozes gradually changing to dark grey diatom oozes interbedded with dark grey diatom rich clays. dropstones were identified via VCD and x-ray slabs;carbonate rich layer, possibly devitrified ash+dropstone in Section 5H, reworked by icebergs? Fizzes upon contact with HCl



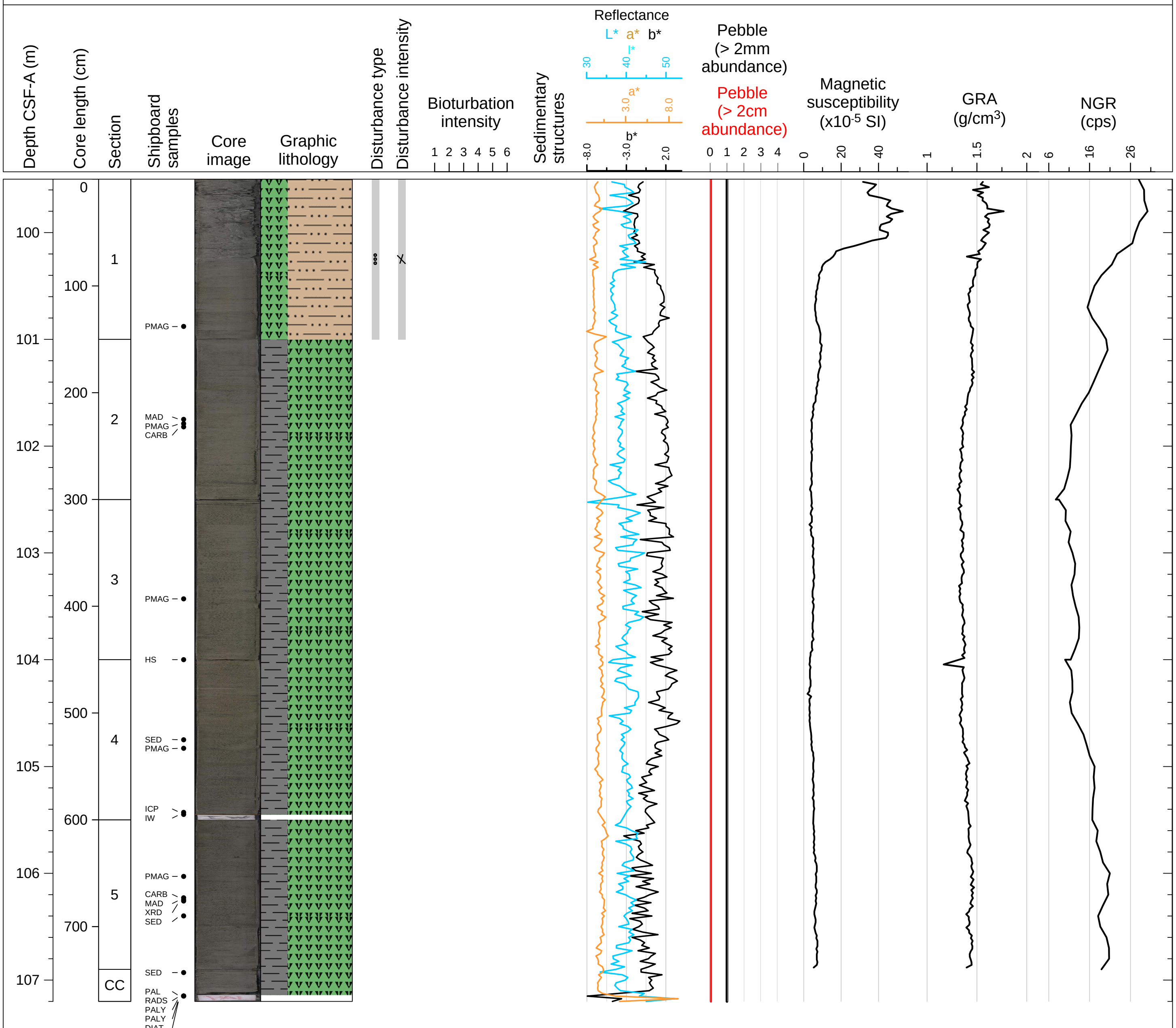
Hole 382-U1536A Core 11H, Interval 90.0-99.92 m (CSF-A)

greenish grey diatom rich silty clays interbedded with clayey diatom oozes calcite rich clay (Tephra?) in section 6, fizzes upon contact with HCl



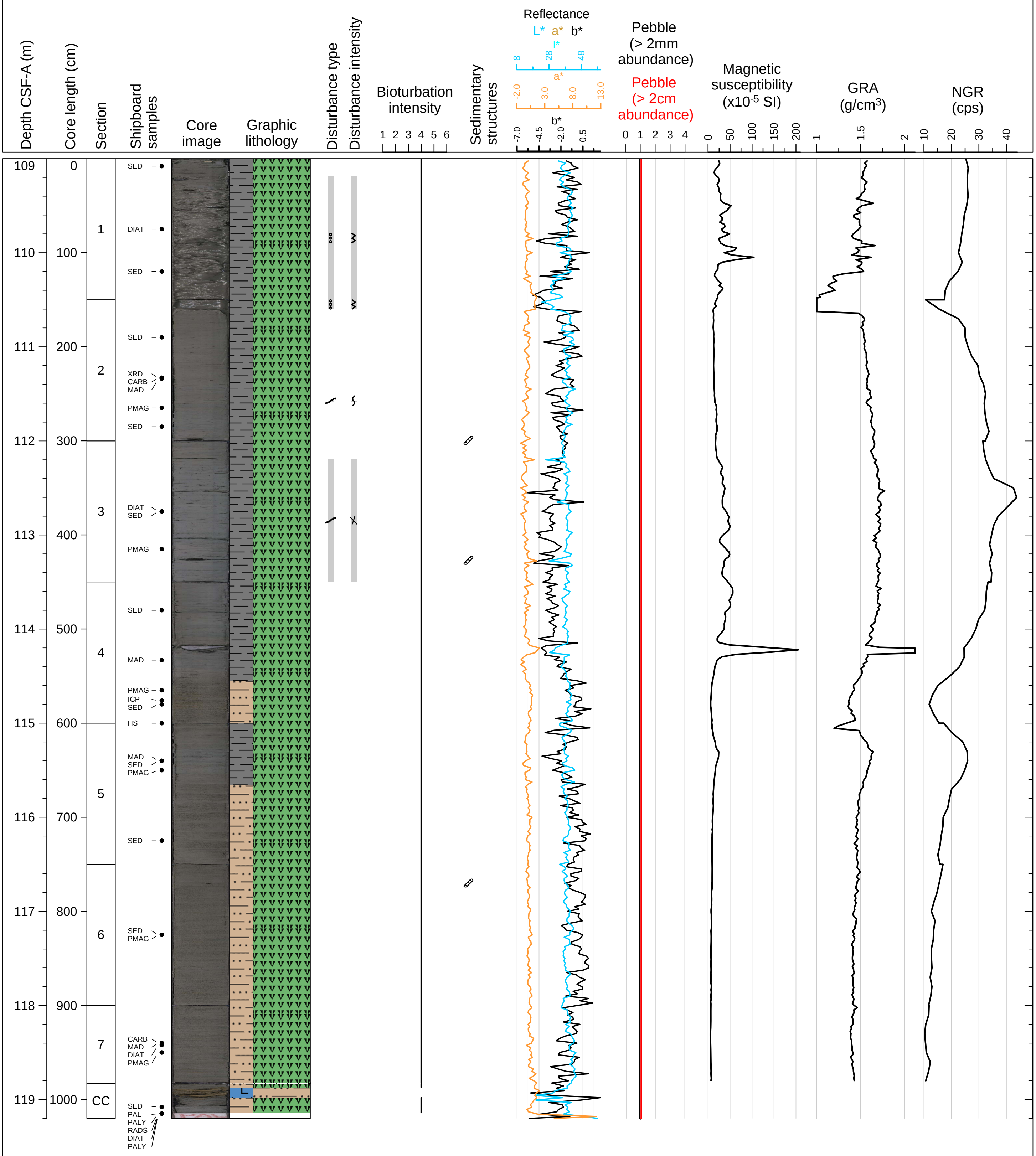
Hole 382-U1536A Core 12H, Interval 99.5-107.2 m (CSF-A)

dark to very dark greenish grey clayey diatom ooze



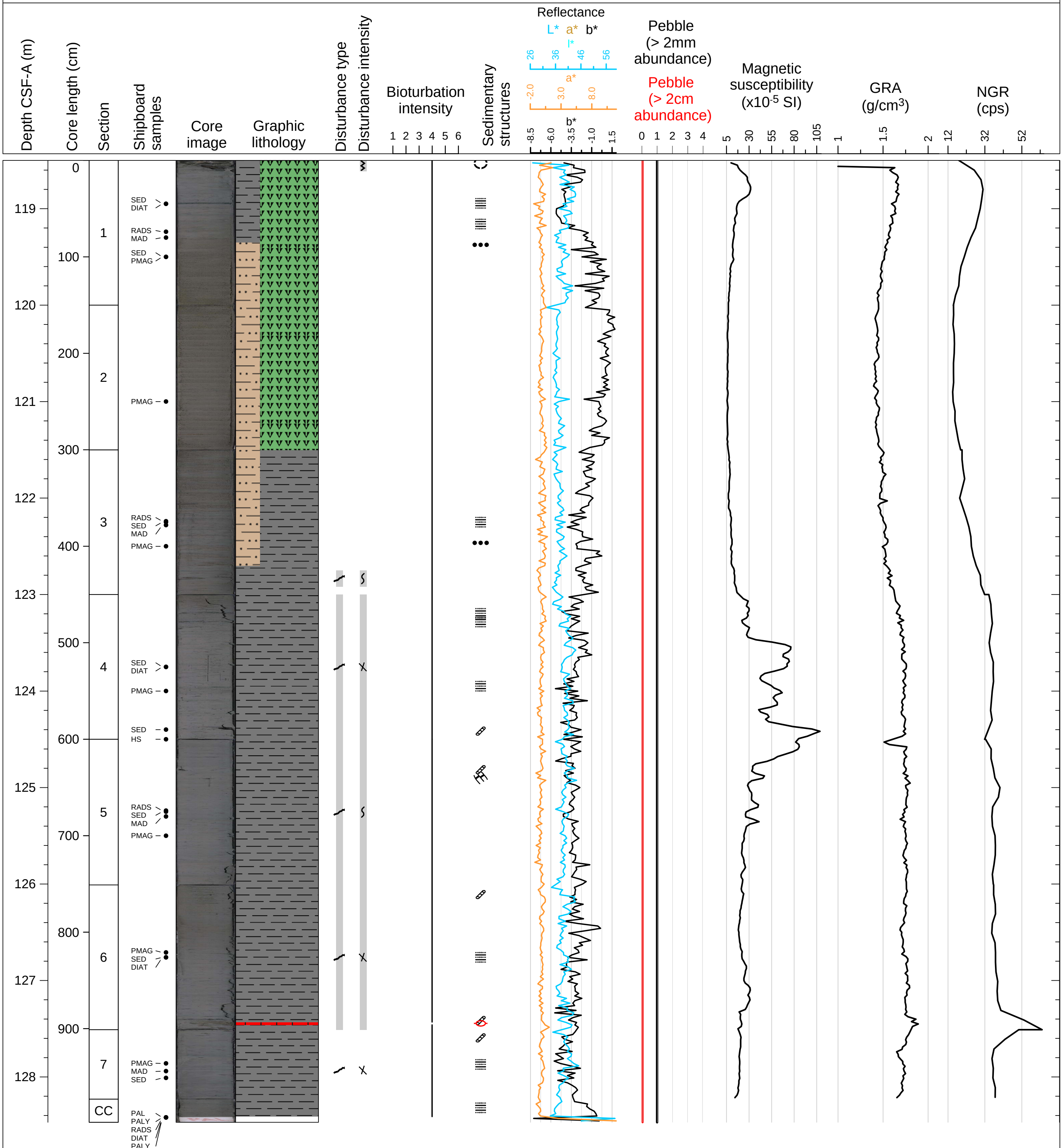
Hole 382-U1536A Core 13H, Interval 109.0-119.2 m (CSF-A)

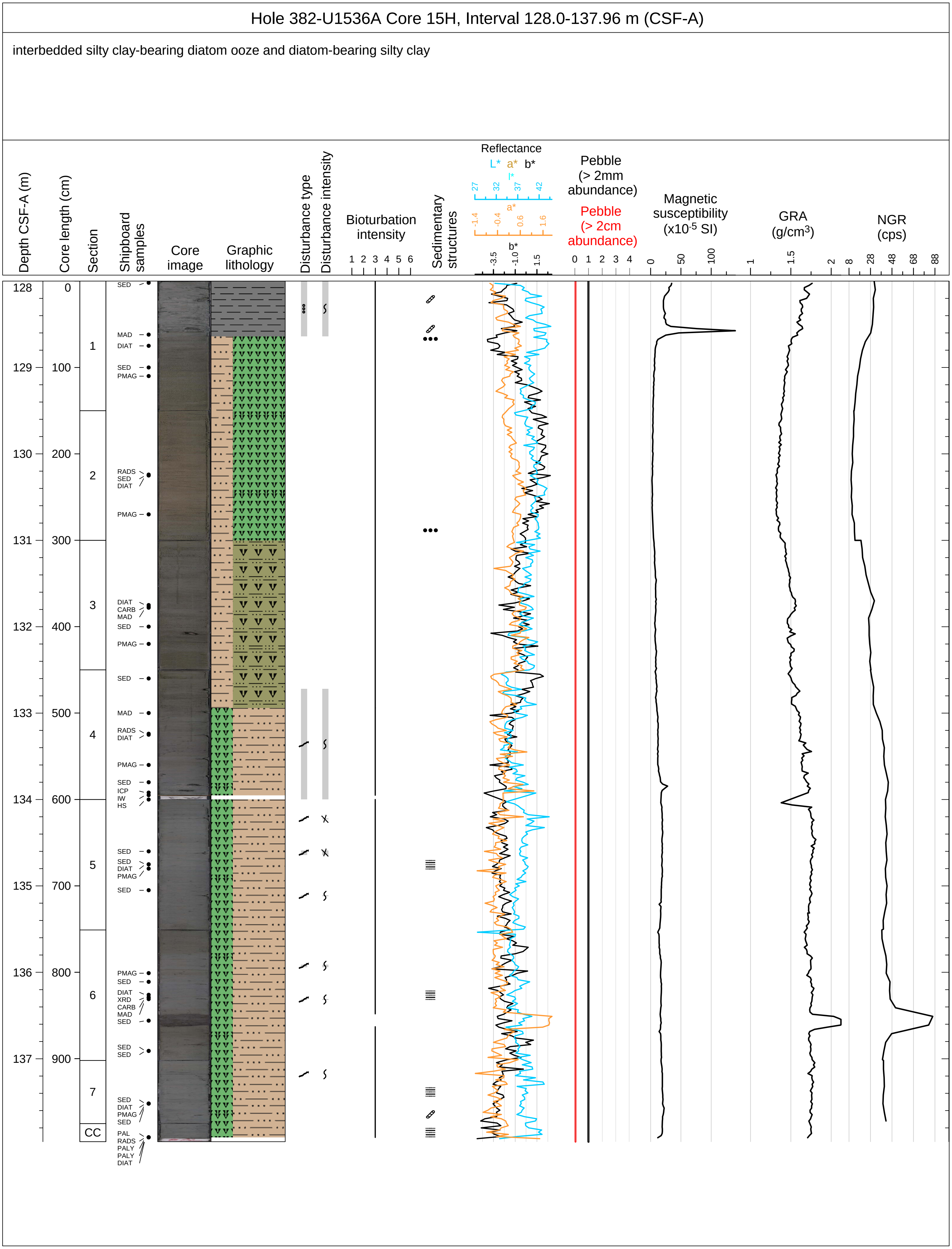
Two lithologies 10GY 5/1 greenish gray silty clayey diatom ooze and 10Y 5/1 greenish gray clayey diatom ooze. The more terrigeneous-rich, greenish gray sediment contains more dropstones and a higher density of pyritized burrows, visible in both the x-radiographs and on the split core surface. The CC, between 6 and 14 cm contains a yellowish, carbonate rich layer that might be devitrified tephra



Hole 382-U1536A Core 14H, Interval 118.5-128.47 m (CSF-A)

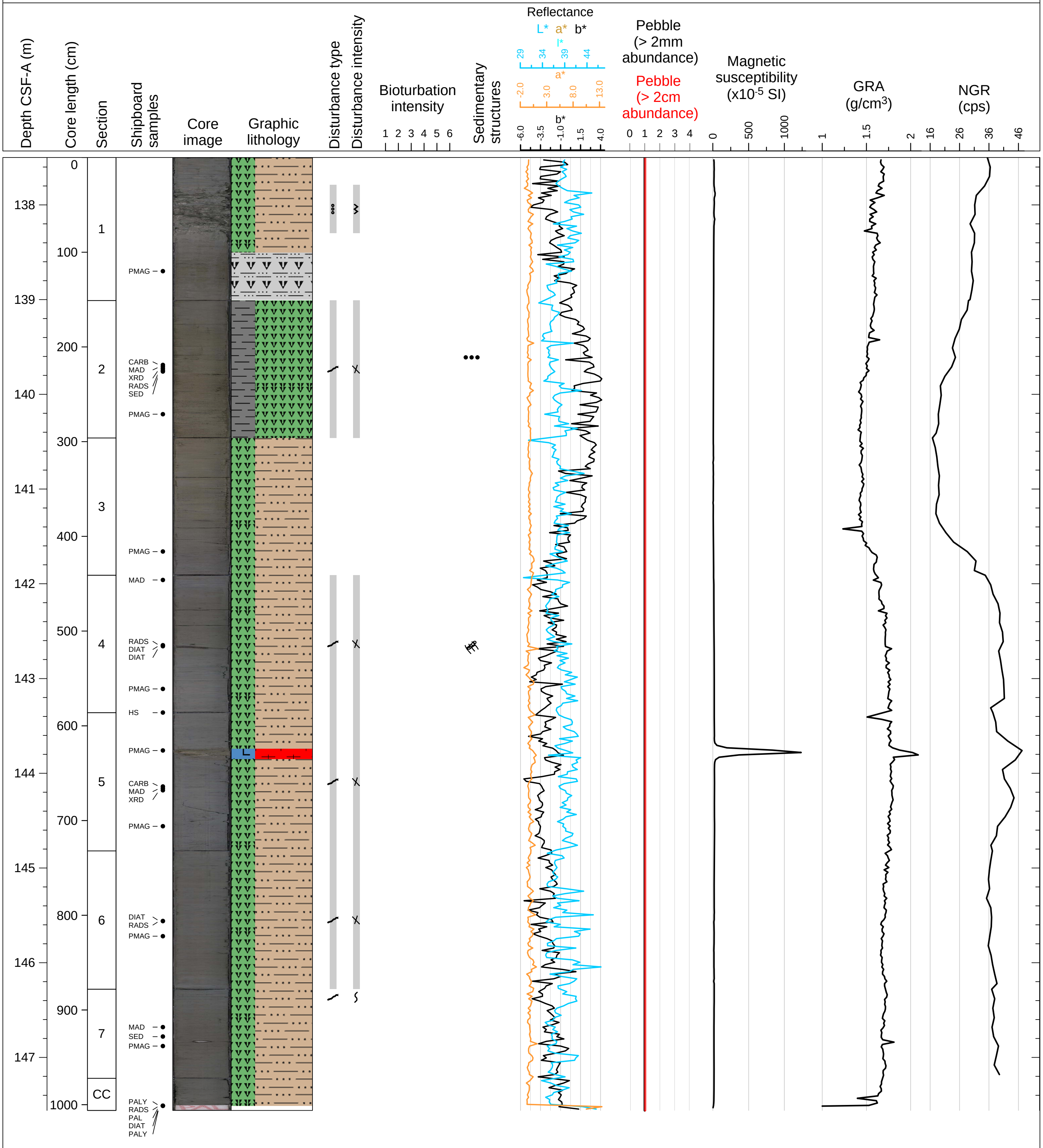
Two lithologies 10BG 5/1greenish gray clay and 5GY 4/1 dark greenish gray clayey silt-bearing diatom ooze. lots of color bandings and pyritized burrows, visible in both the x-radiograph and on the surface. Section 3 contains the transition between the two lithologies and they are inerbedded. The section 6A, between 142 and 145 cm contains ash pod .




Hole 382-U1536A Core 15H, Interval 128.0-137.96 m (CSF-A)
interbedded silty clay-bearing diatom ooze and diatom-bearing silty clay
Depth CSF-A (m)
Core length (cm)
Section
Shipboard samples
Core image
Graphic lithology
Disturbance type
Disturbance intensity
Bioturbation intensity
Sedimentary structures
Reflectance
L* a* b*
Pebble (> 2mm abundance)
Pebble (> 2cm abundance)
Magnetic susceptibility (x10-5 SI)
GRA (g/cm3)
NGR (cps)
128
129
130
131
132
133
134
135
136
137
CC

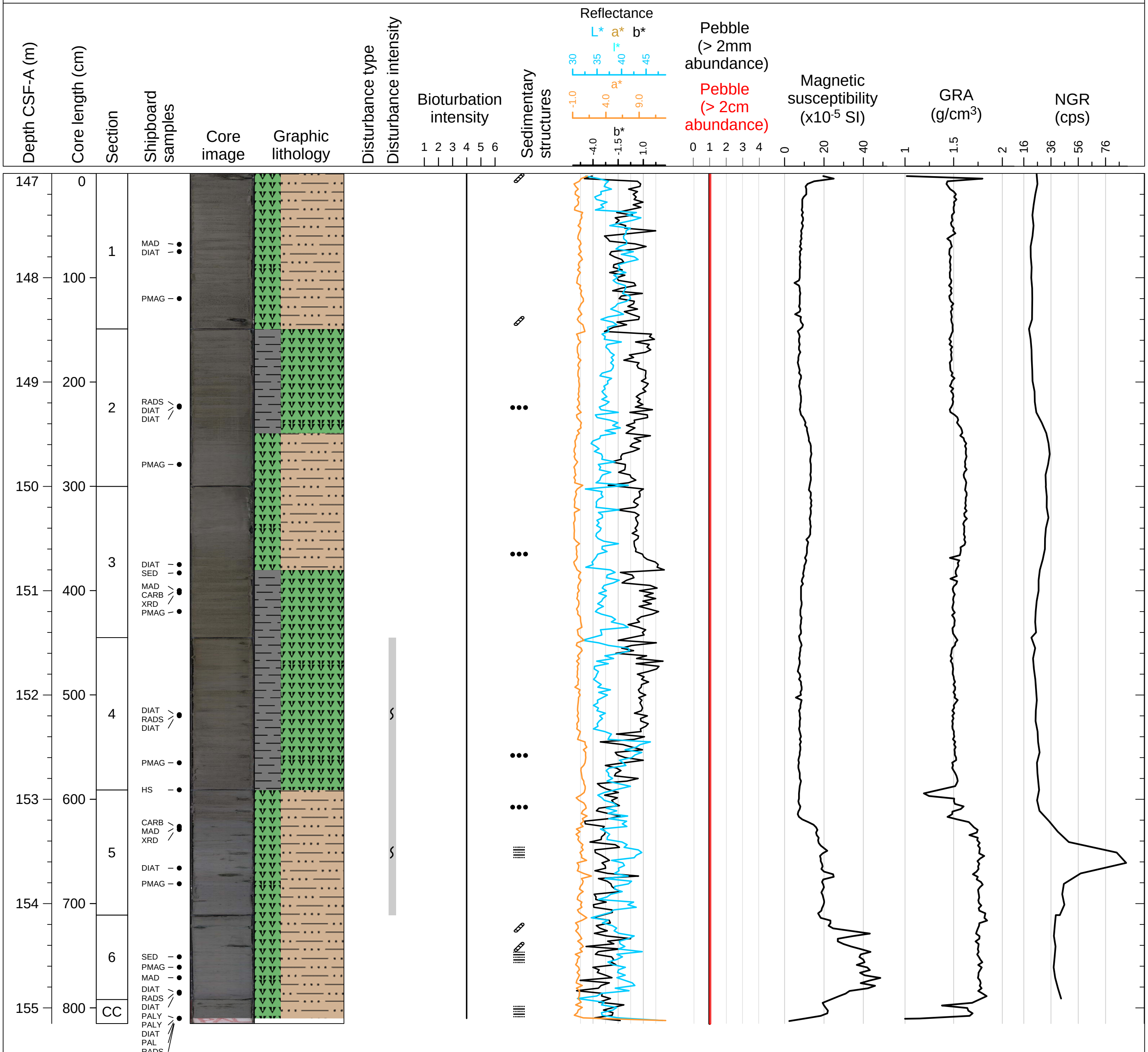
Hole 382-U1536A Core 16H, Interval 137.5-147.56 m (CSF-A)

10Y 5/1 dark greenish gray diatom-rich silty-clay (grayer looking) and 10Y 4/1 dark greenish gray silty-clay-bearing diatom ooze. Gradual transition between the two lithologies at the base of Section 1. Indurated-carbonate rich tephra/ash layer in Section 5.



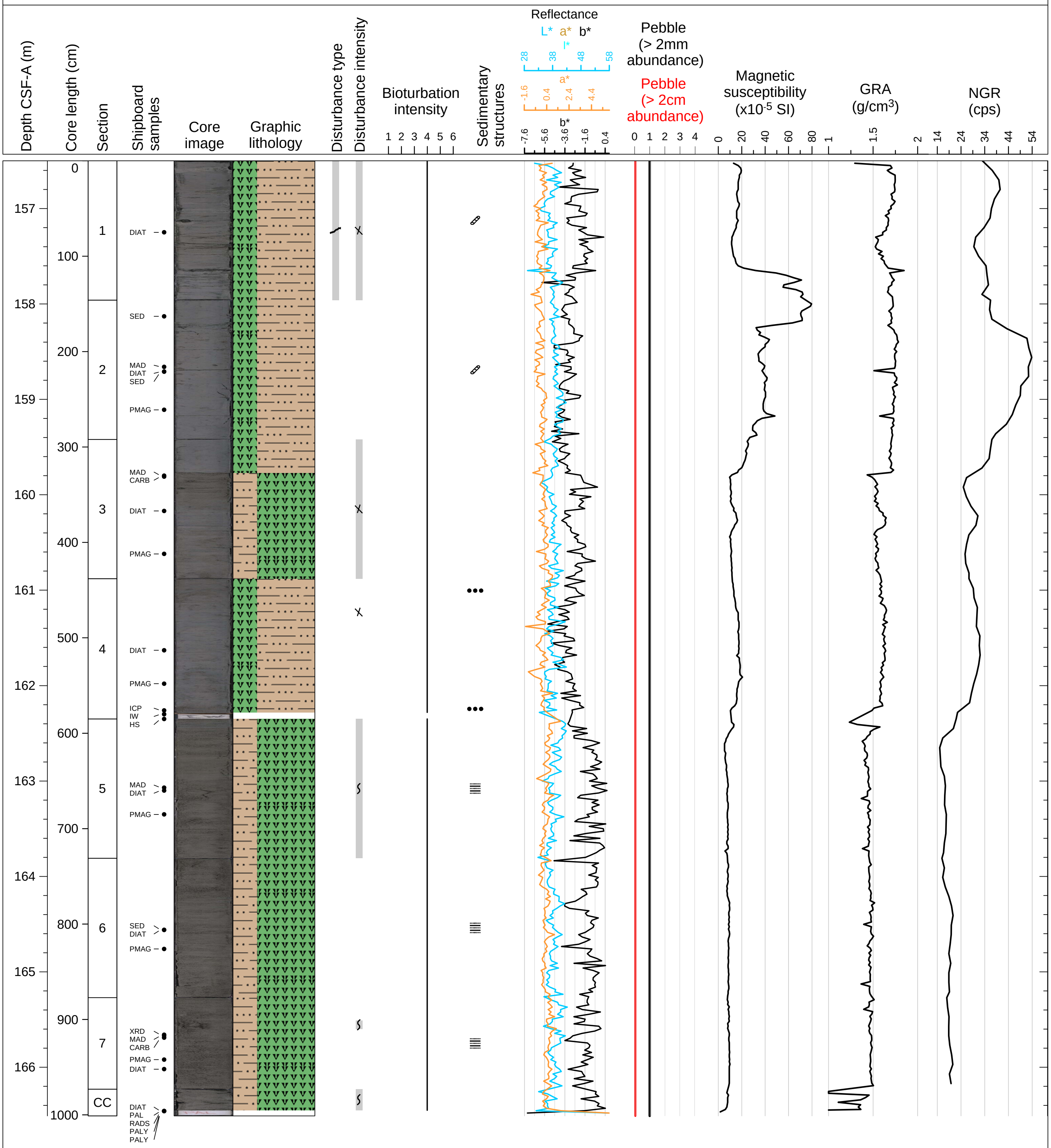
Hole 382-U1536A Core 17H, Interval 147.0-155.15 m (CSF-A)

Two lithologies 5GY 5/1 greenish gray diatom-bearing silt clay and 10Y 4/1 dark greenish gray clay-bearing diatom ooze. lots of color banding, visible in both the x-radiograph and on the surface. There are gradual transition at four times(2A, 3A, 4A, 5A)



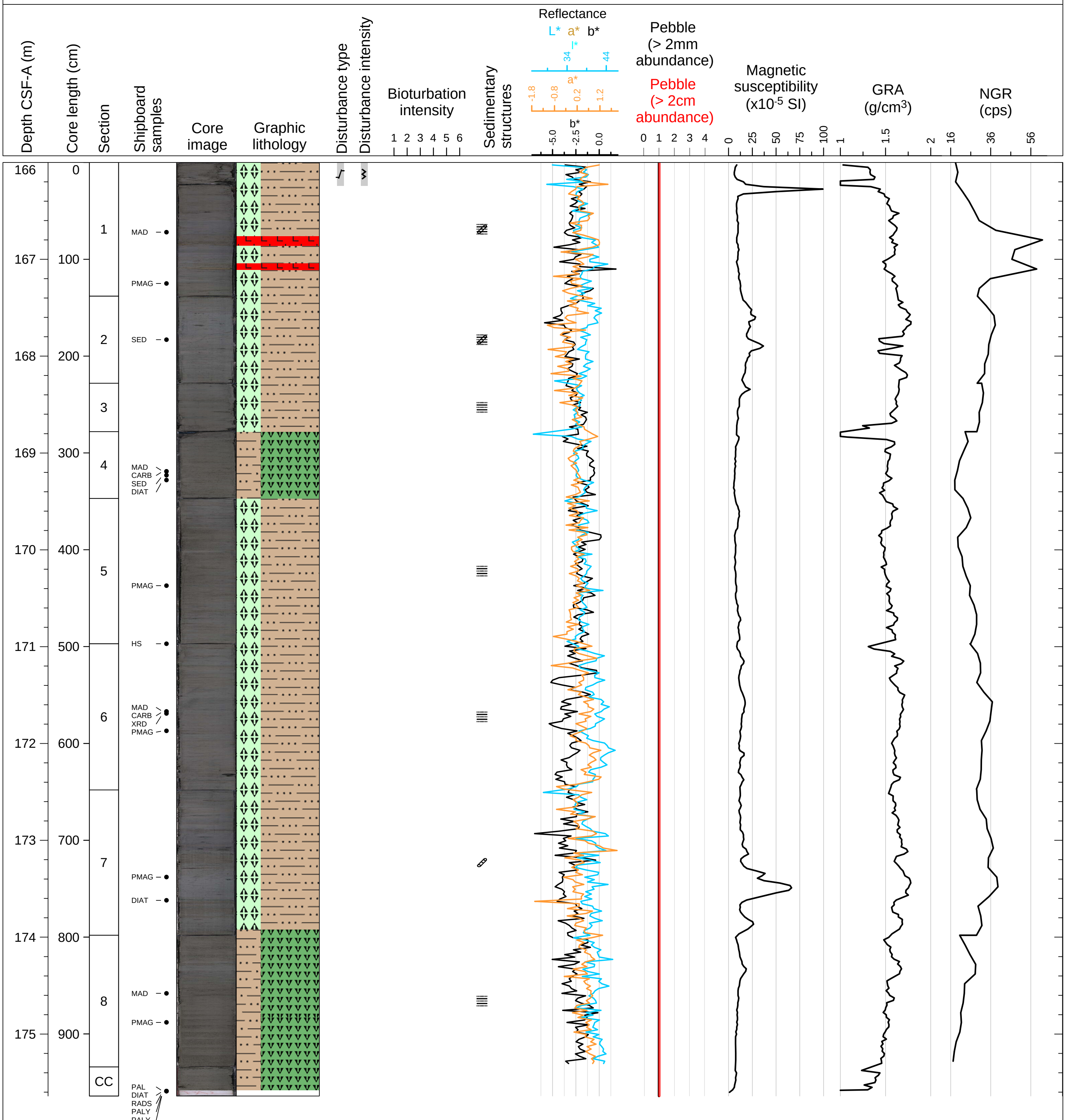
Hole 382-U1536A Core 18H, Interval 156.5-166.51 m (CSF-A)

10GY 5/1 greenish gray diatom-rich silty-clay and 10Y 3/1 very dark greenish gray silty-clay rich diatom ooze, Carbonate rich ash burrows in Section 2.



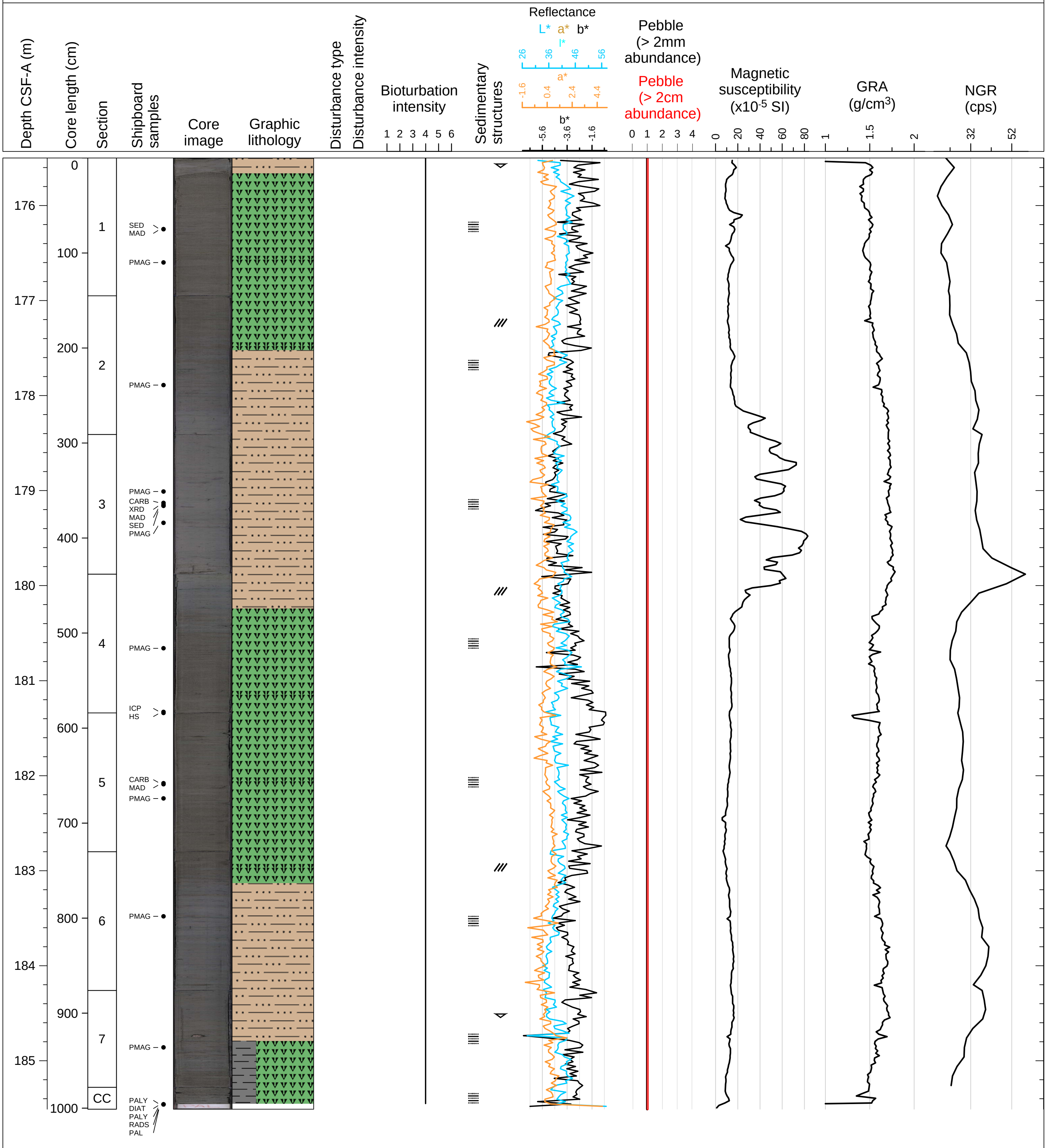
Hole 382-U1536A Core 19H, Interval 166.0-175.64 m (CSF-A)

The two lithologies, 10Y4/1 dark greenish gray biosiliceous rich silty clay and 10Y4/1 dark greenish gray silty clay rich diatom ooze. Two carbonate-rich ash layers in the 1A. Lots of color banding.



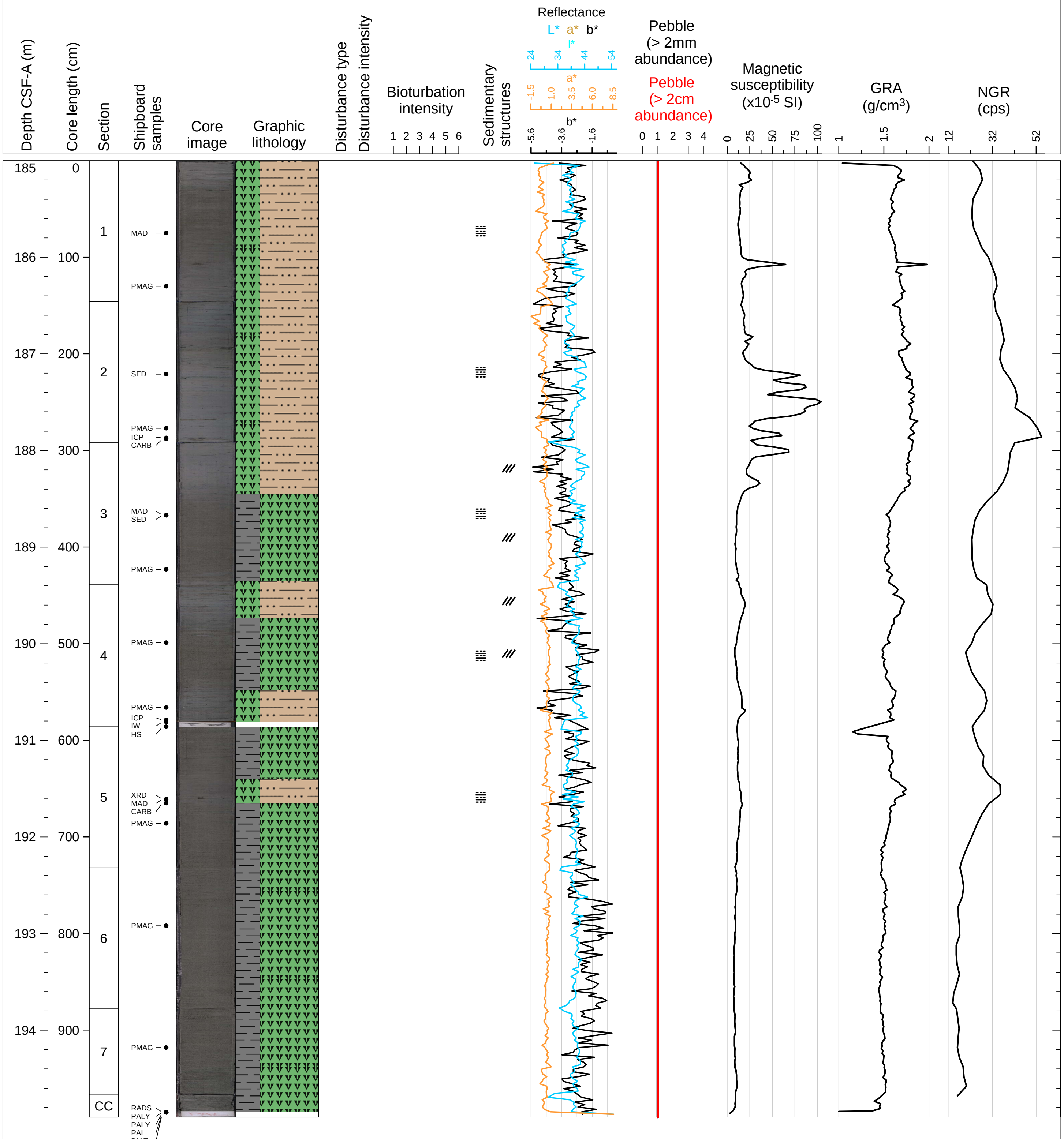
Hole 382-U1536A Core 20H, Interval 175.5-185.51 m (CSF-A)

interbedded silty clays and clayey diatom oozes, several dropstones were identified via VCD and X-ray slabs



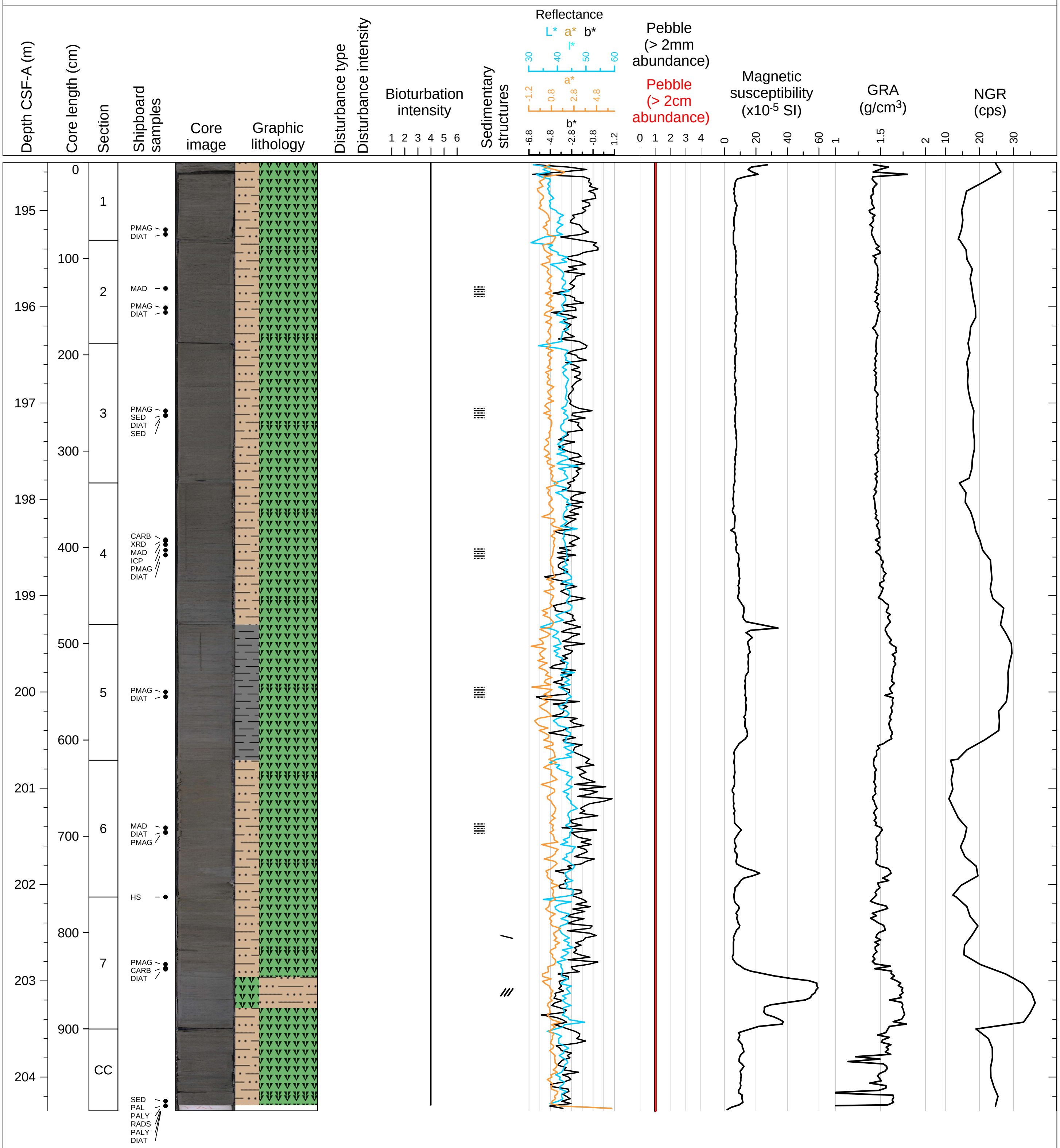
Hole 382-U1536A Core 21H, Interval 185.0-194.9 m (CSF-A)

interbedded dark greenish grey clay rich diatom oozes and diatom bearing silty clays 2 reworked tephra layers at the bottom of section 2, dropstones were identified throughout the core via VCD and x-ray slabs



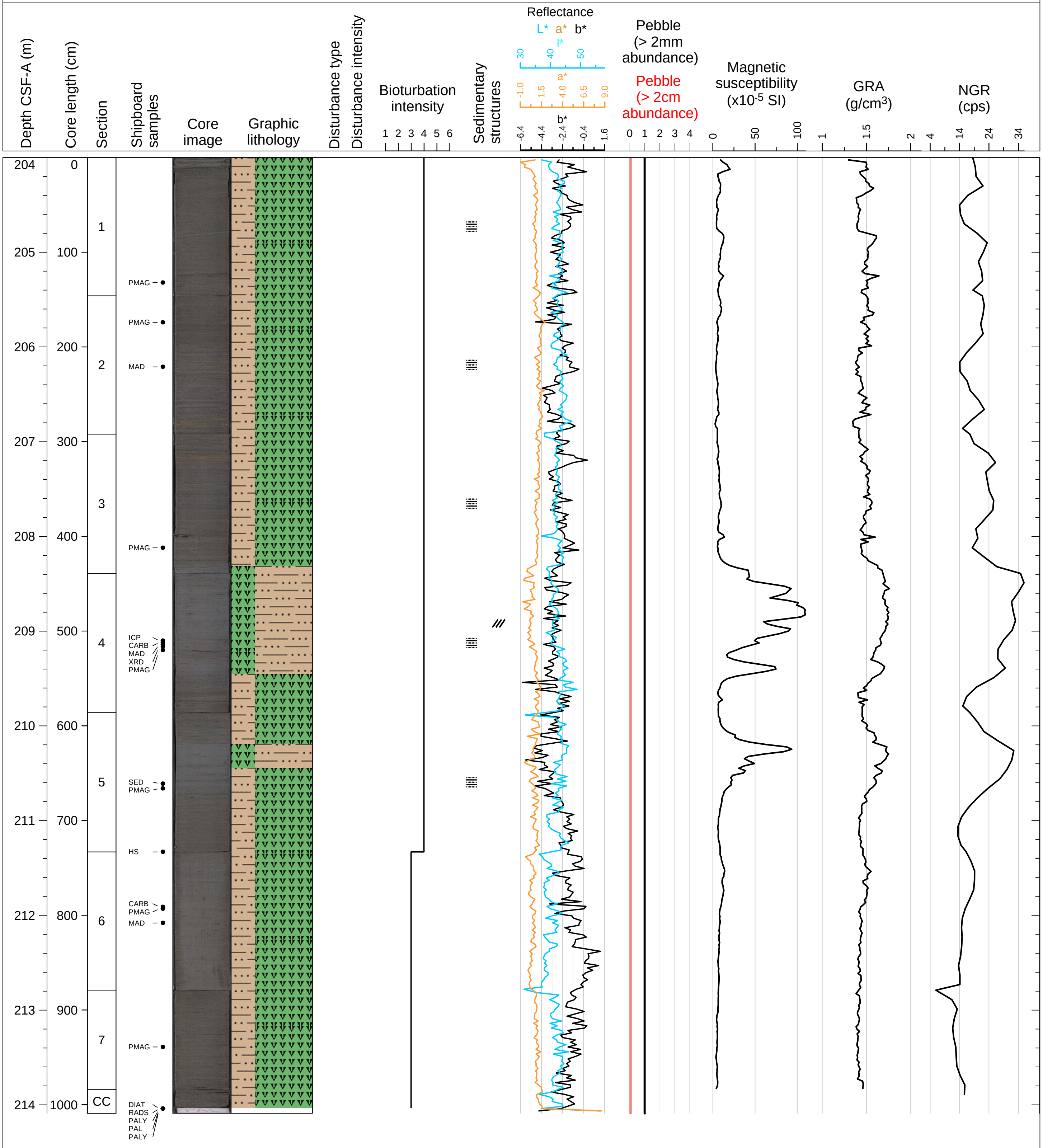
Hole 382-U1536A Core 22H, Interval 194.5-204.35 m (CSF-A)

interbedded dark greenish grey diatom oozes and diatom bearing silty clays, large basaltic IRD on top of section 1 (fall in?)



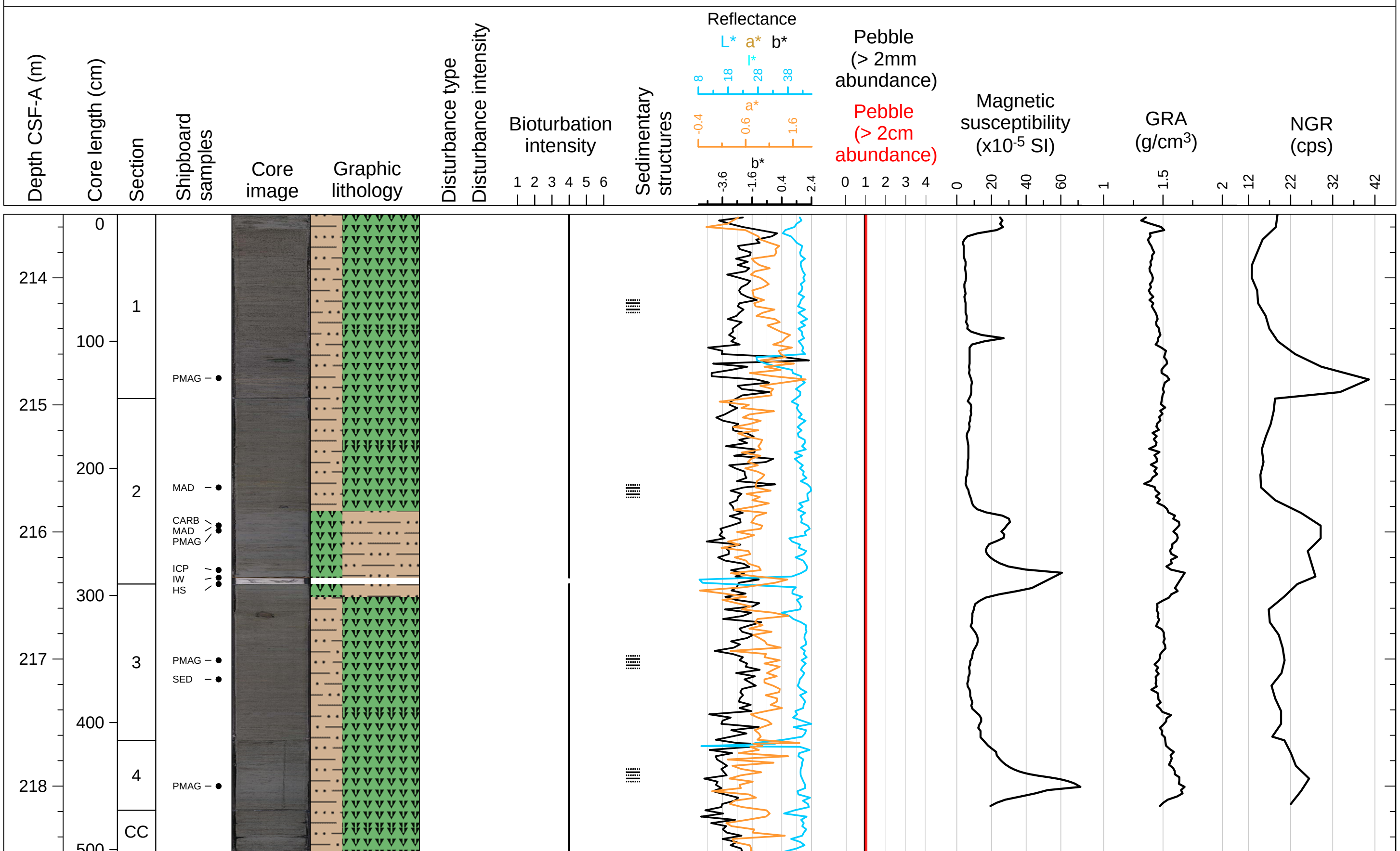
Hole 382-U1536A Core 23H, Interval 204.0-214.09 m (CSF-A)

interbedded silty clay rich diatom oozes and diatom bearing silty clays, IRD was recorded throughout the core via VCD and x-ray slabs



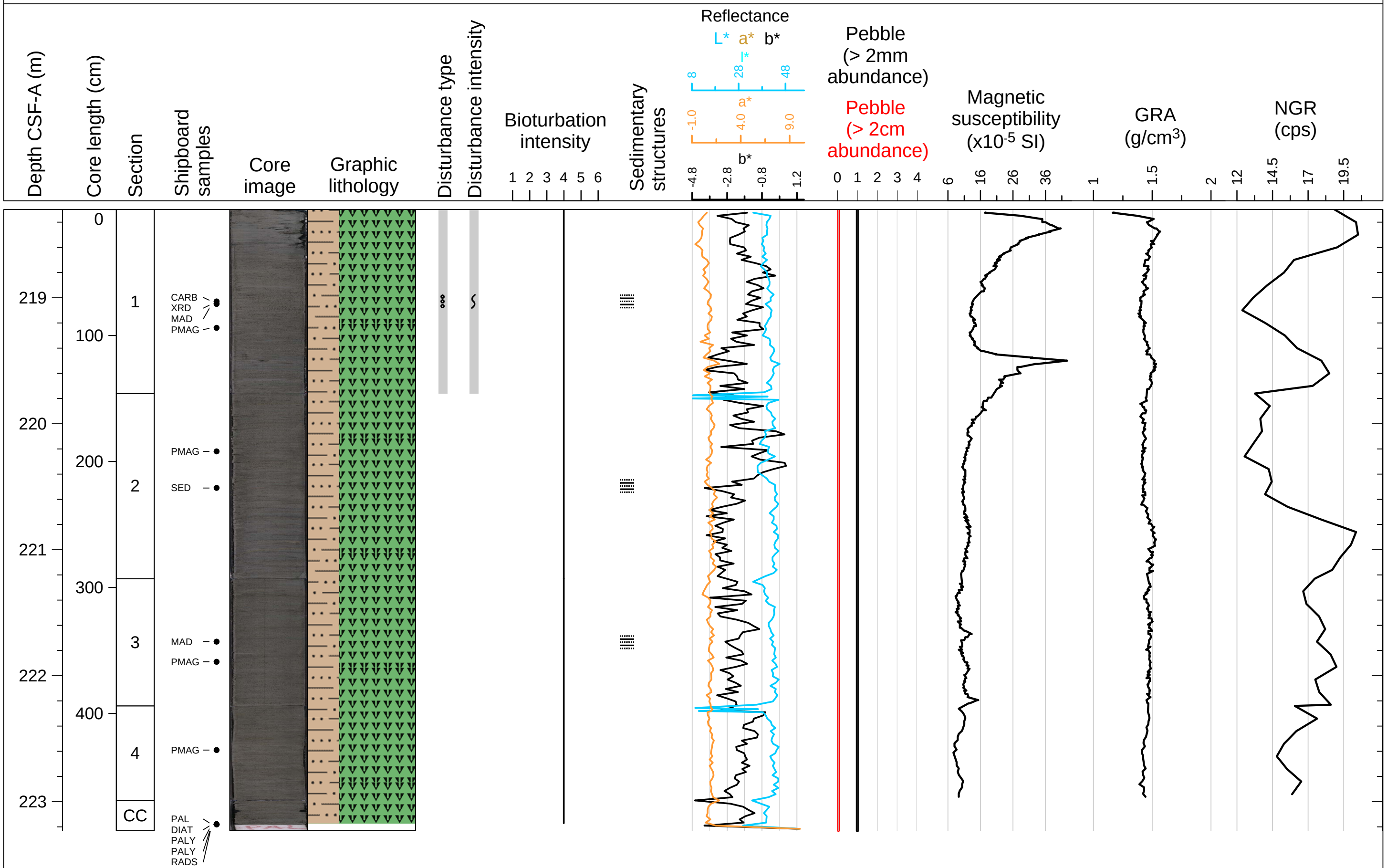
Hole 382-U1536A Core 24F, Interval 213.5-218.53 m (CSF-A)

dark greenish grey diatom ooze interbedded with diatom bearing silty clay, several dropstones were identified via VCD and X-ray slabs



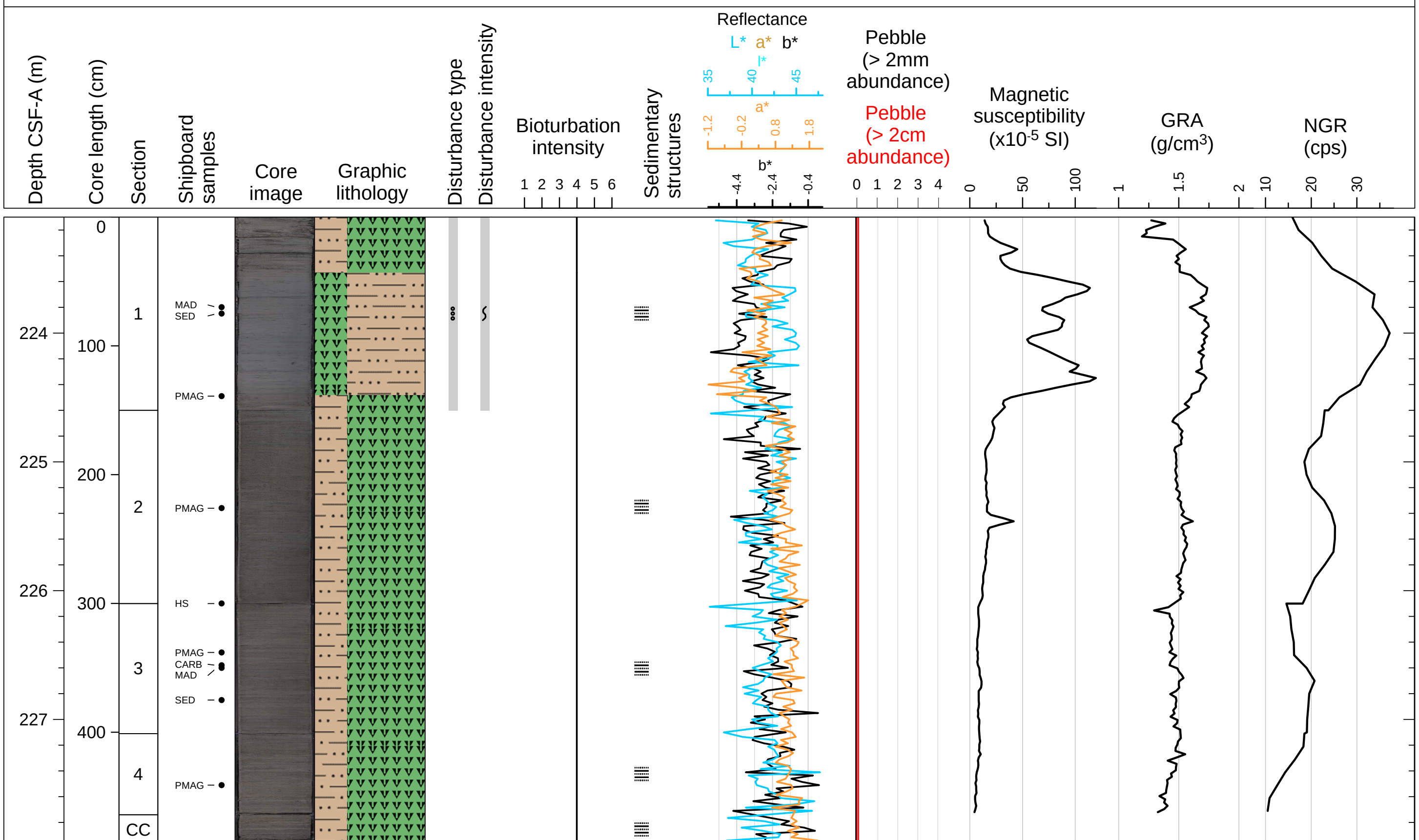
Hole 382-U1536A Core 25F, Interval 218.3-223.23 m (CSF-A)

dark greenish silty clay bearing diatom ooze, dropstones were identified via VCD and X-ray slabs



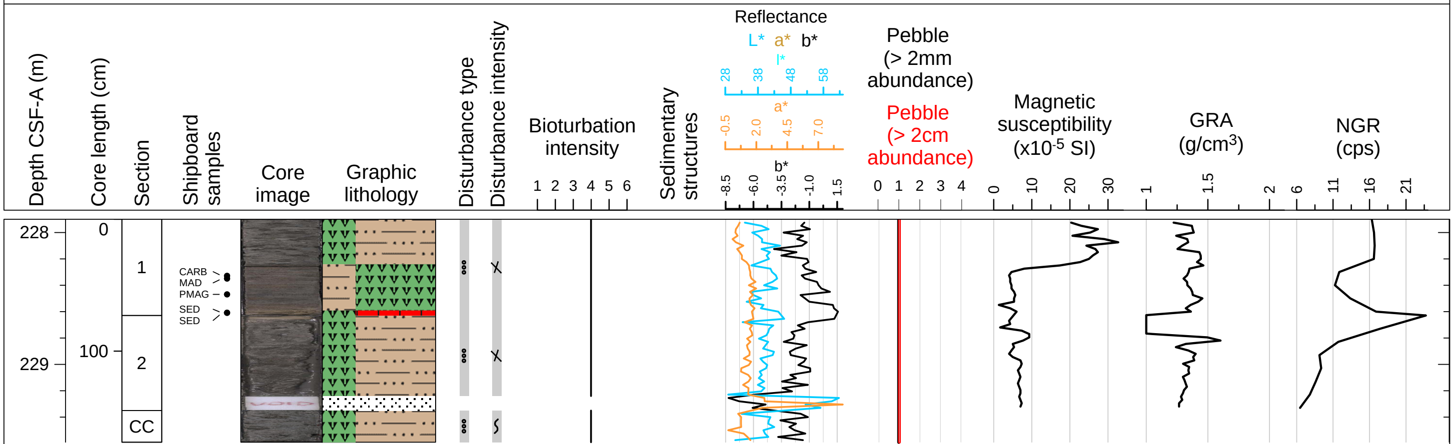
Hole 382-U1536A Core 26F, Interval 223.1-227.97 m (CSF-A)

dark greenish grey diatom ooze



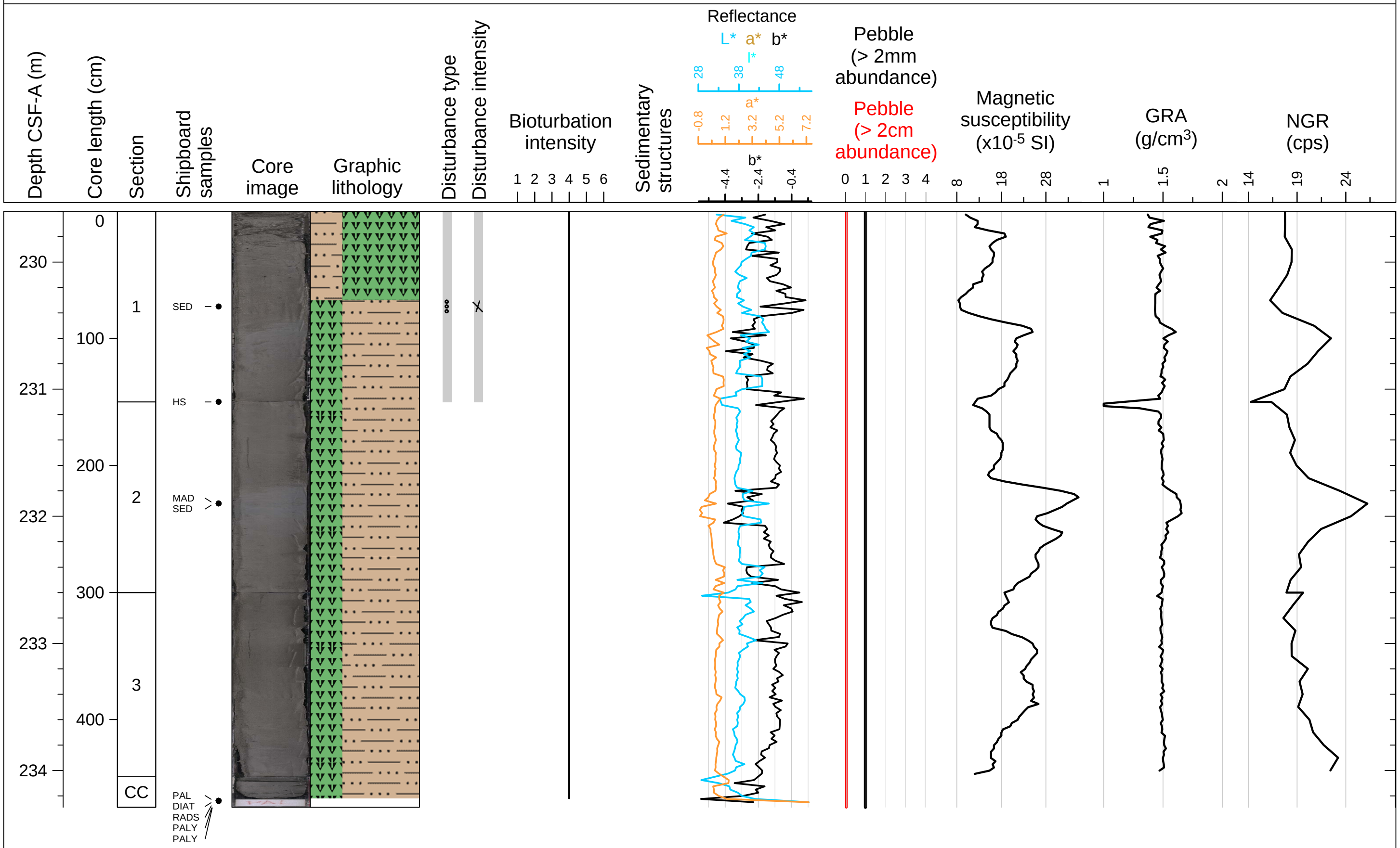
Hole 382-U1536A Core 27F, Interval 227.9-229.59 m (CSF-A)

interbedded dark greenish grey diatom oozes and silty clays. Large carbonaceous drop stone on top of section 2



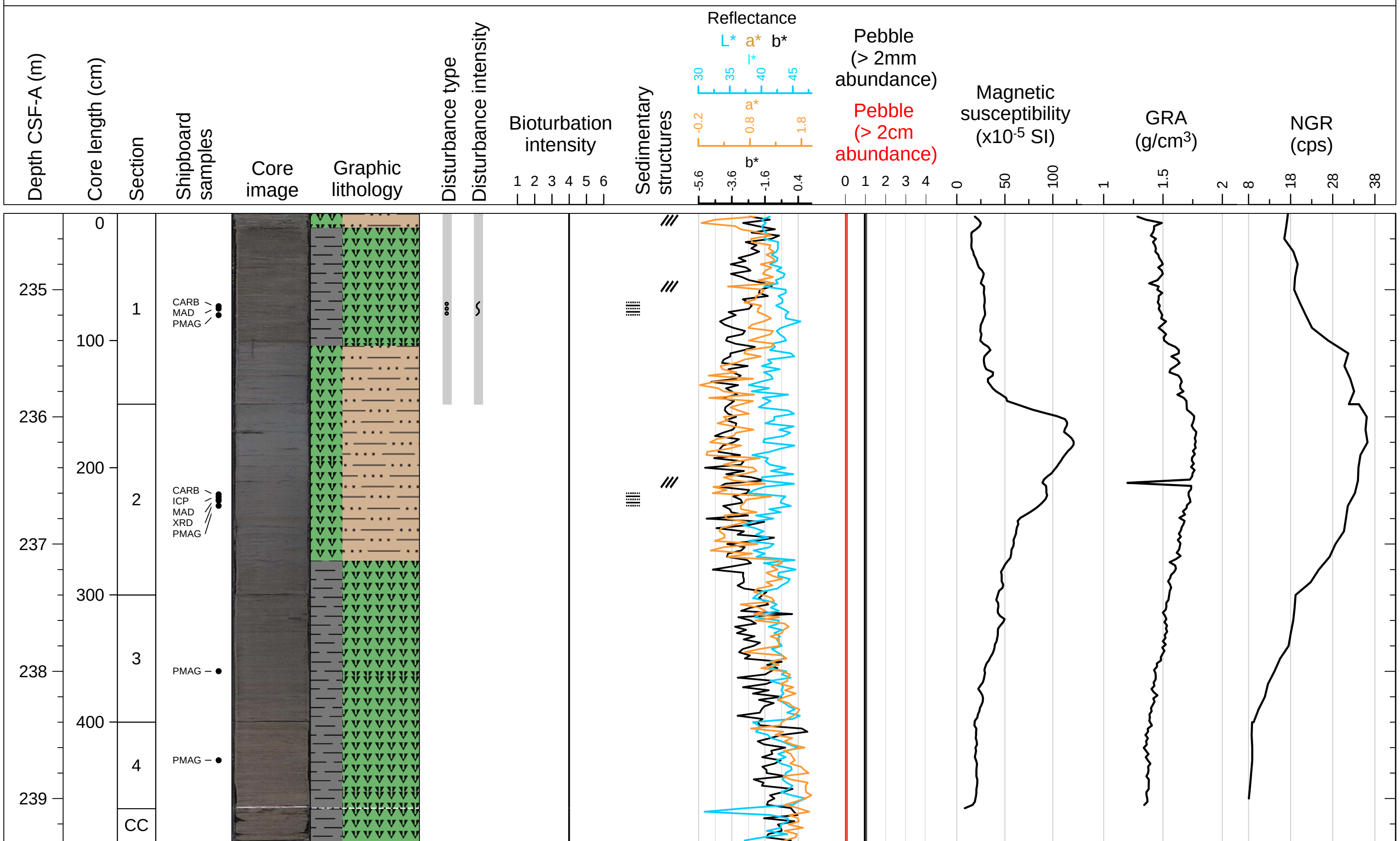
Hole 382-U1536A Core 28F, Interval 229.6-234.29 m (CSF-A)

dark greenish grey silty clay, several small dropstones were identified via VCD and X-ray slabs



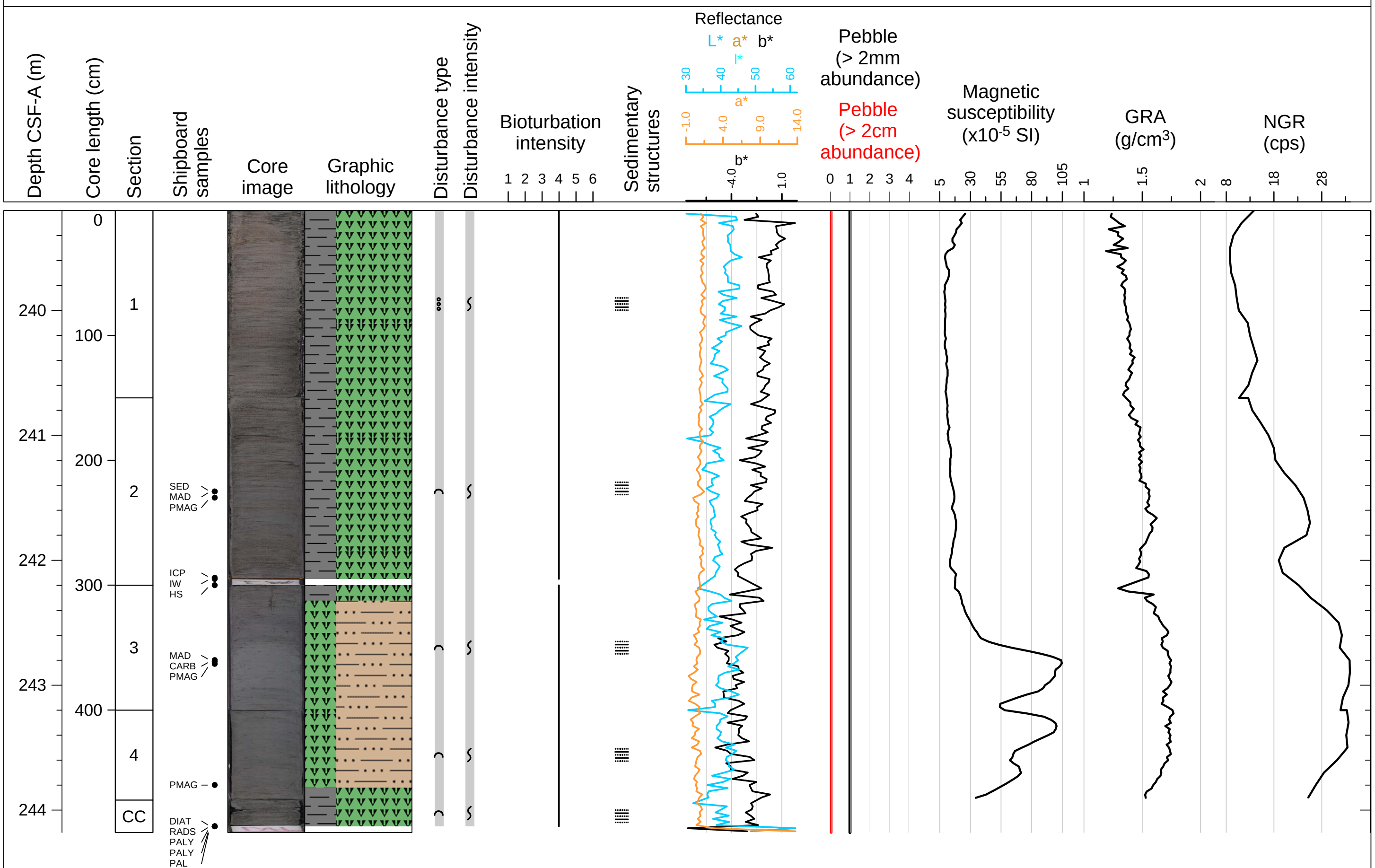
Hole 382-U1536A Core 29F, Interval 234.4-239.34 m (CSF-A)

interbedded dark greenish grey silty clays and diatom oozes, several dropstones were identified via VCD and X-ray slabs



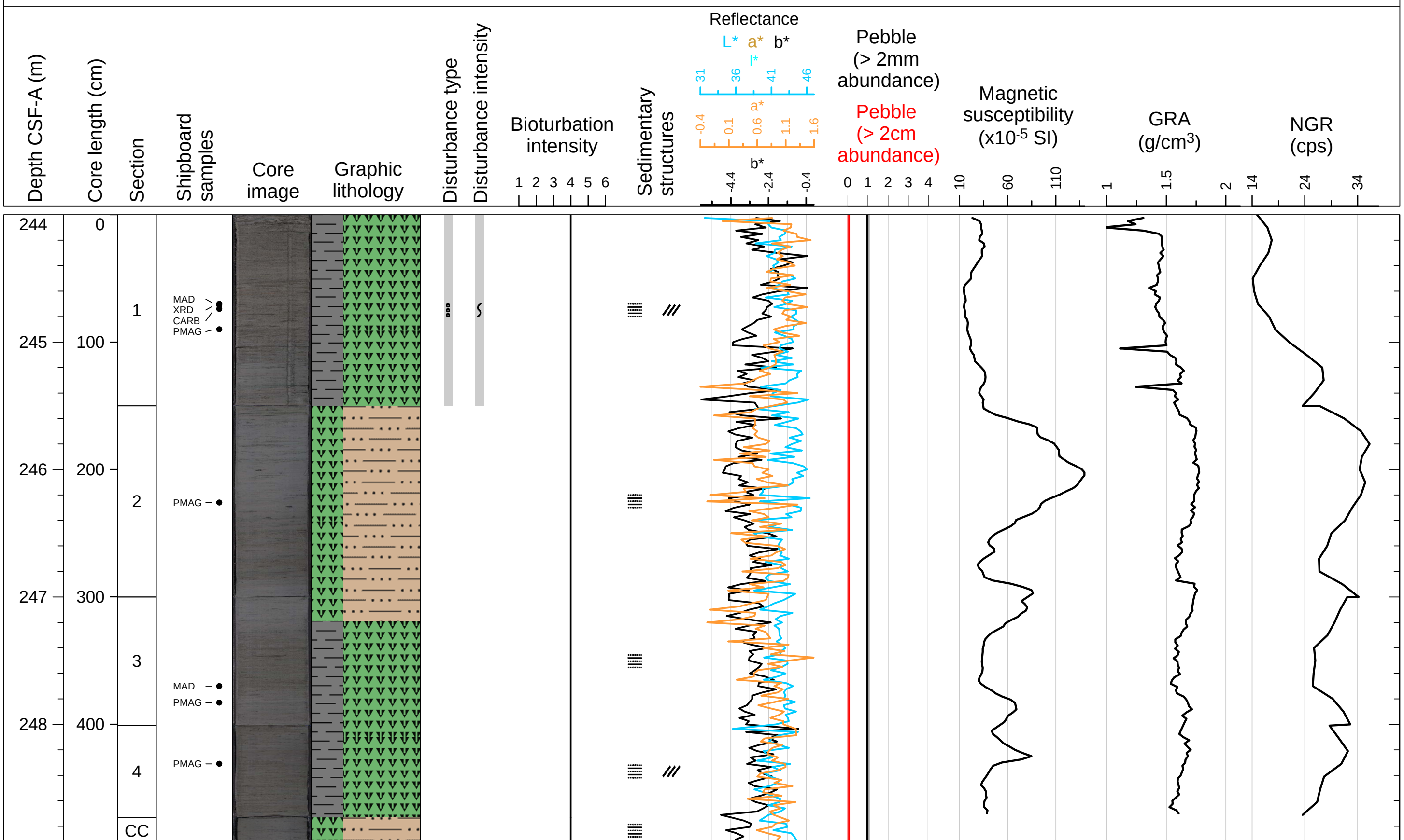
Hole 382-U1536A Core 30F, Interval 239.2-244.18 m (CSF-A)

interbedded dark greenish grey silty clays and diatom oozes



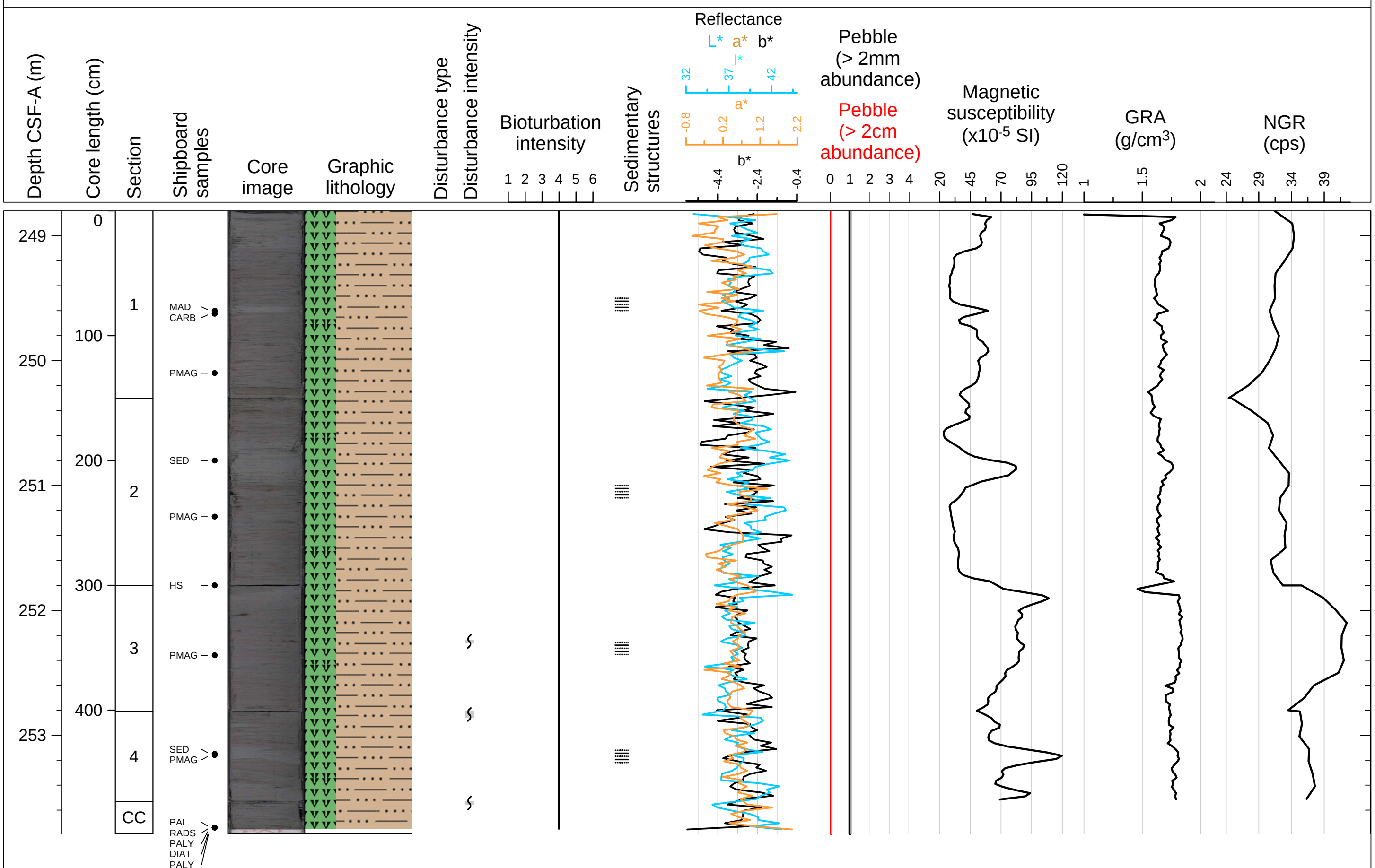
Hole 382-U1536A Core 31F, Interval 244.0-248.94 m (CSF-A)

interbedded dark greenish grey silty clays and diatom oozes, small dropstones identified throughout the core via VCD and X-ray slabs



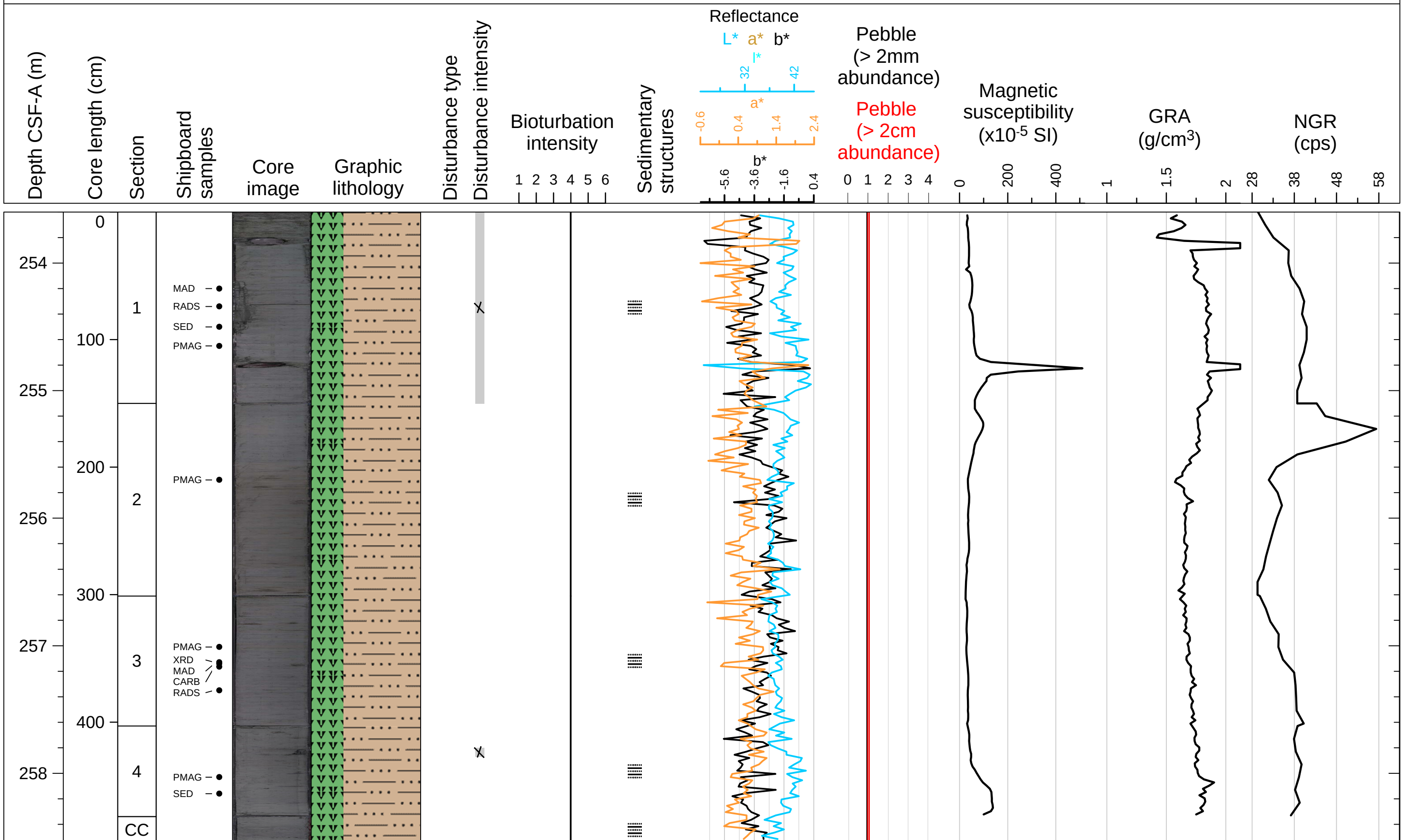
Hole 382-U1536A Core 32F, Interval 248.8-253.79 m (CSF-A)

All 10GY 5/1 greenish gray diatom-rich silty clay, a lot of color banding and bioturbation.



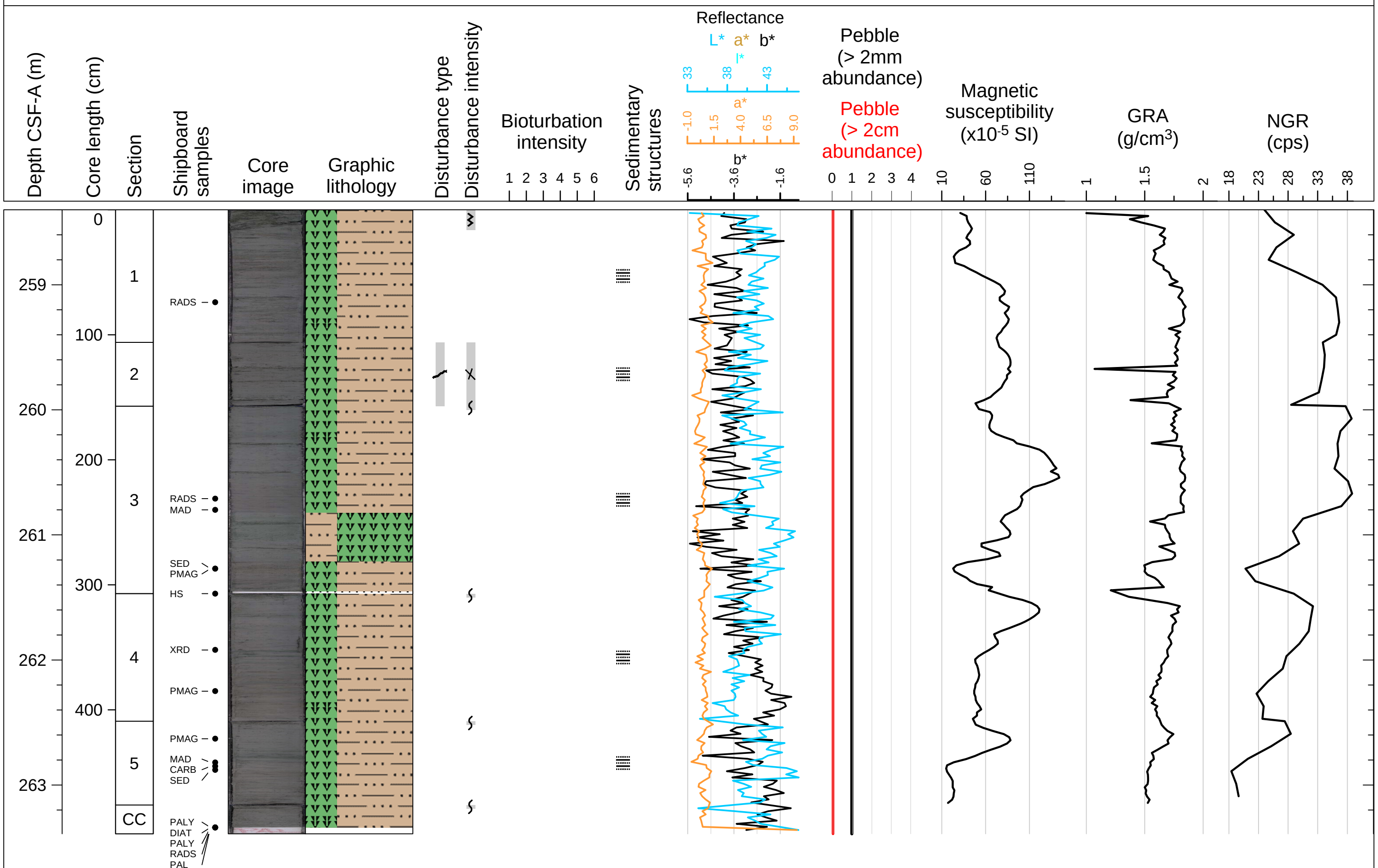
Hole 382-U1536A Core 33F, Interval 253.6-258.55 m (CSF-A)

All 10GY 5/1 greenish gray diatom-rich silty clay, a lot of color banding and bioturbation. There are two large dropstones (>3cm) in the 1A.



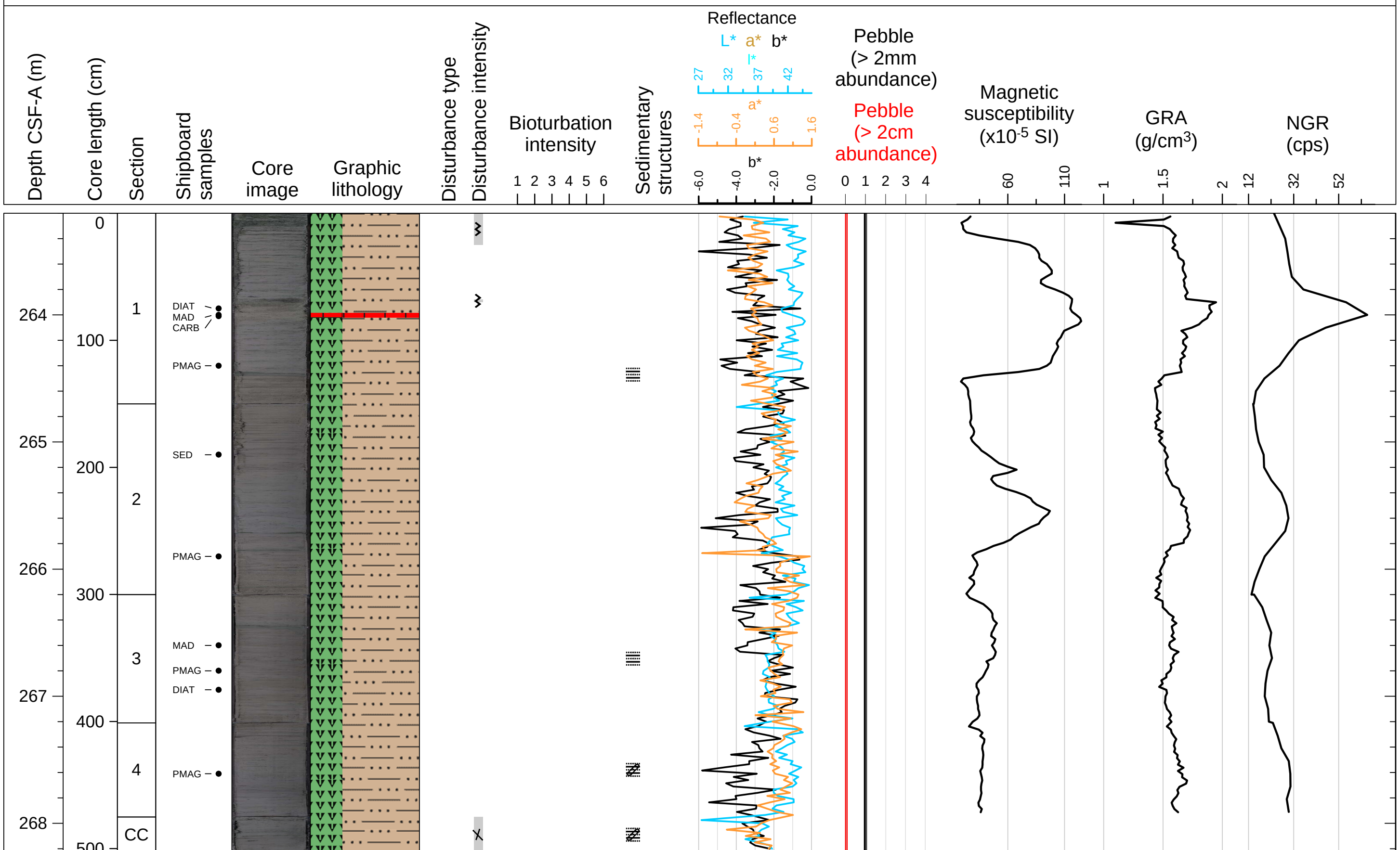
Hole 382-U1536A Core 34F, Interval 258.4-263.39 m (CSF-A)

Dominantly 5GY 5/1 greenish gray diatom-bearing silty clay. The base of Section 3A contains diatom ooze. Color banding with shades of blue-green are present.



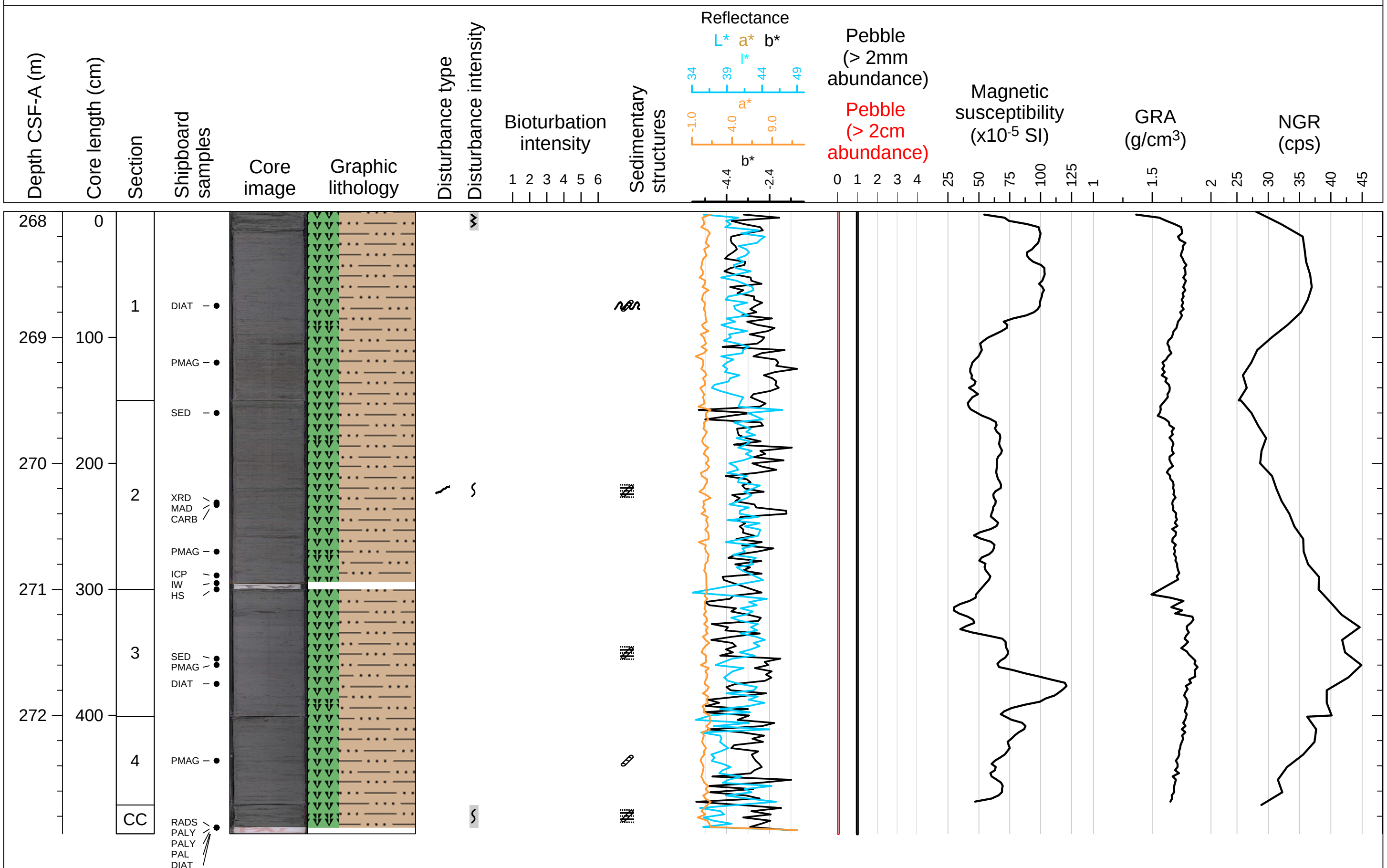
Hole 382-U1536A Core 35F, Interval 263.2-268.23 m (CSF-A)

color banded dark greenish grey silty clay, several silt burrows, carbonate-rich devitrified tephra in Section 1.



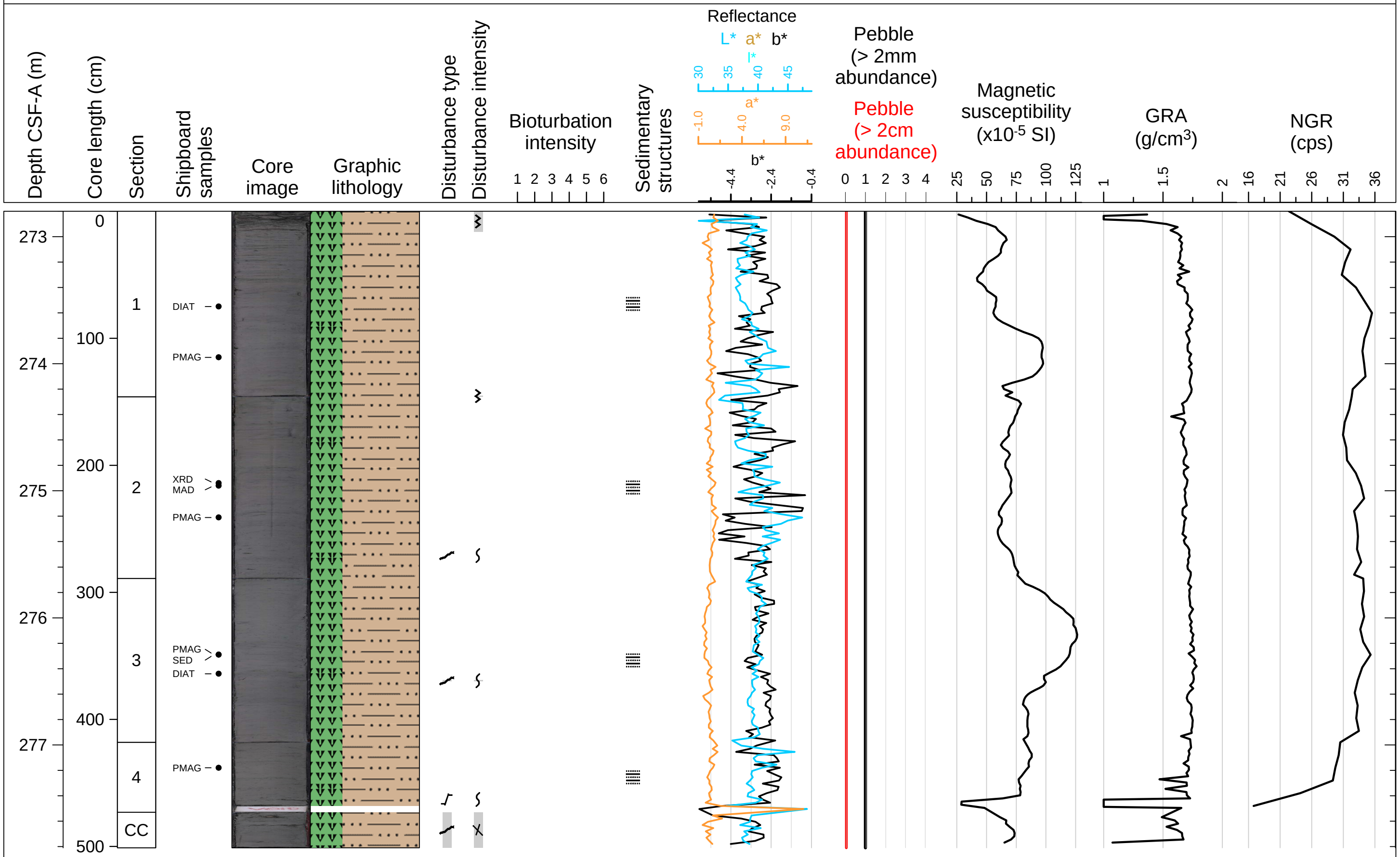
Hole 382-U1536A Core 36F, Interval 268.0-272.94 m (CSF-A)

10GY 4/1 darkgreenish gray diatom rich silty clay. Color banding with shades of blue-green are present.



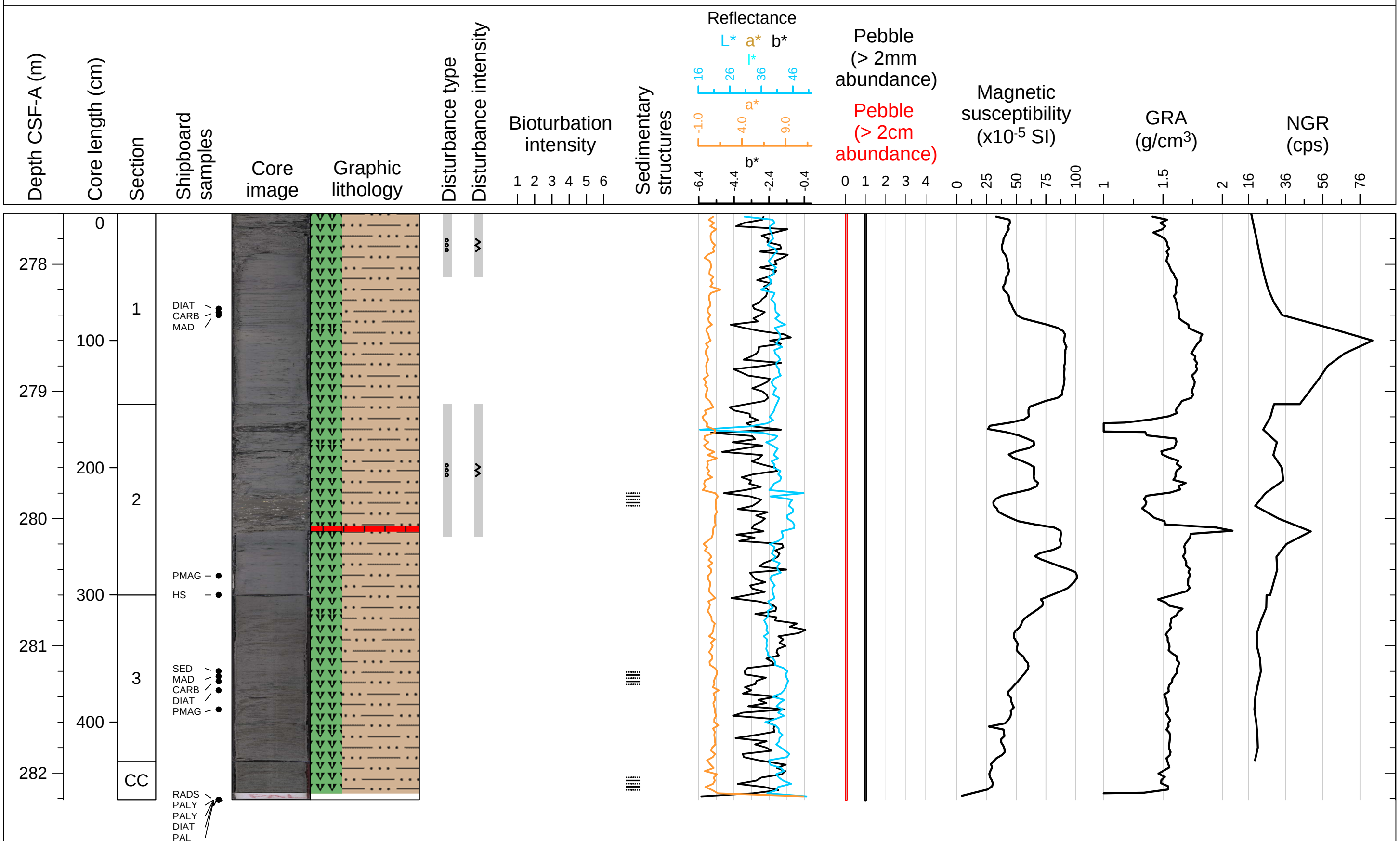
Hole 382-U1536A Core 37F, Interval 272.8-277.81 m (CSF-A)

10GY4/1 dark greenish gray diatom bearing silty clay. Color banding with shades of blue-green are present.



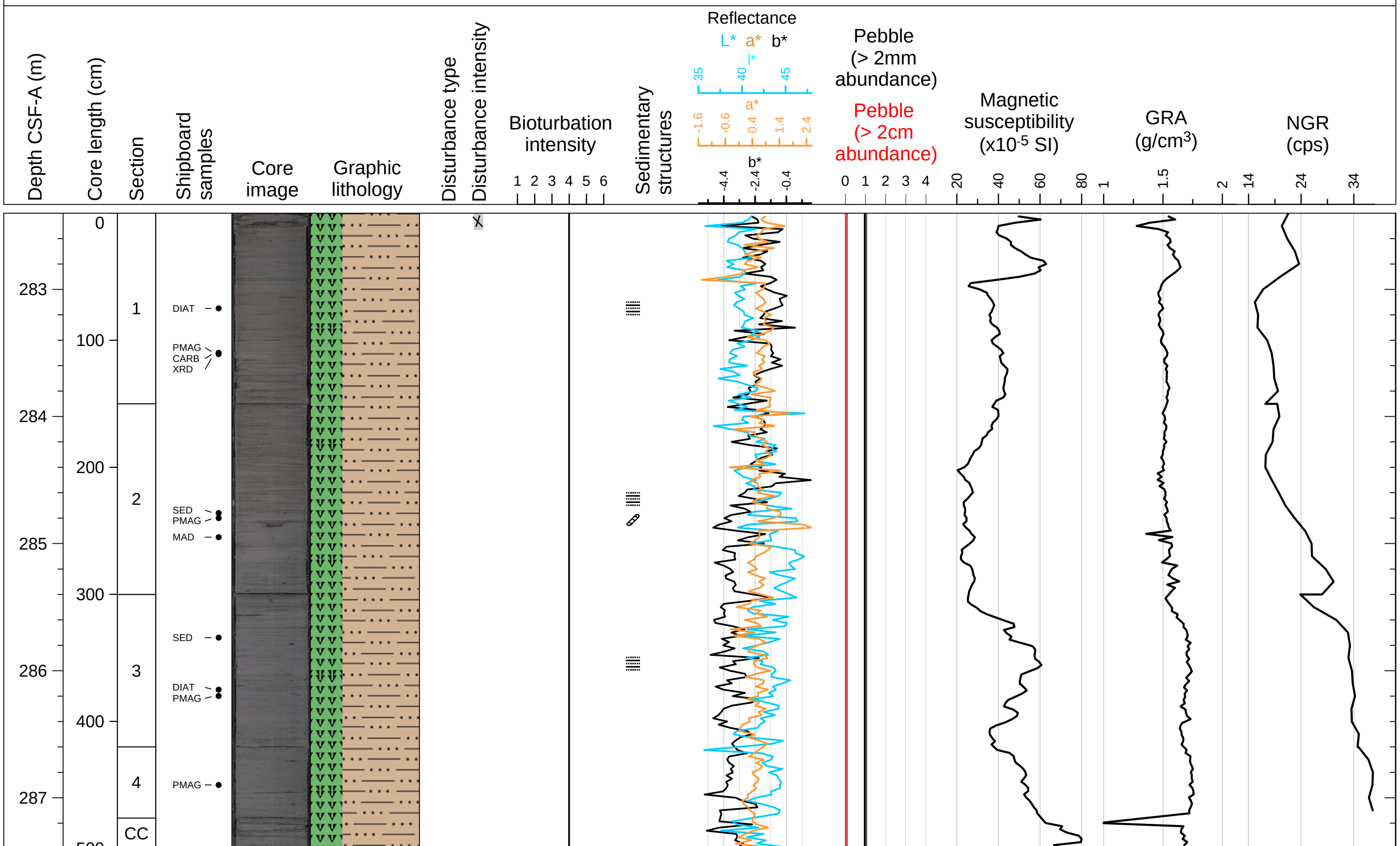
Hole 382-U1536A Core 38F, Interval 277.6-282.21 m (CSF-A)

5G 5/1 greenish gray diatom-rich silty clay and diatom-bearing silty clay 5G 4/1 dark greenish gray. Carbonate-rich tephra layer in Section 2, 96-100 cm



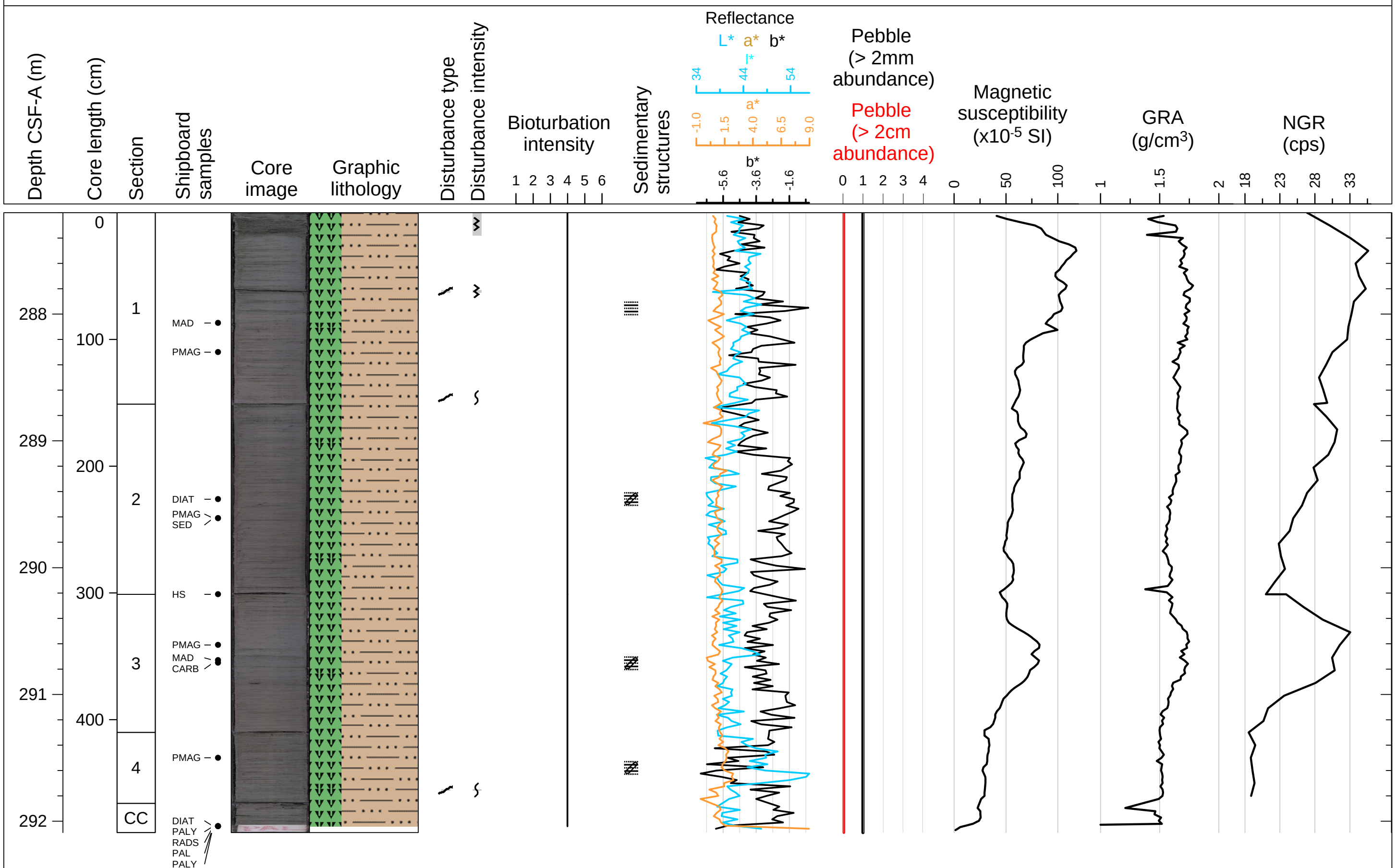
Hole 382-U1536A Core 39F, Interval 282.4-287.4 m (CSF-A)

Dominantly 5G 5/1 greenish gray diatom rich silty clay with color banding



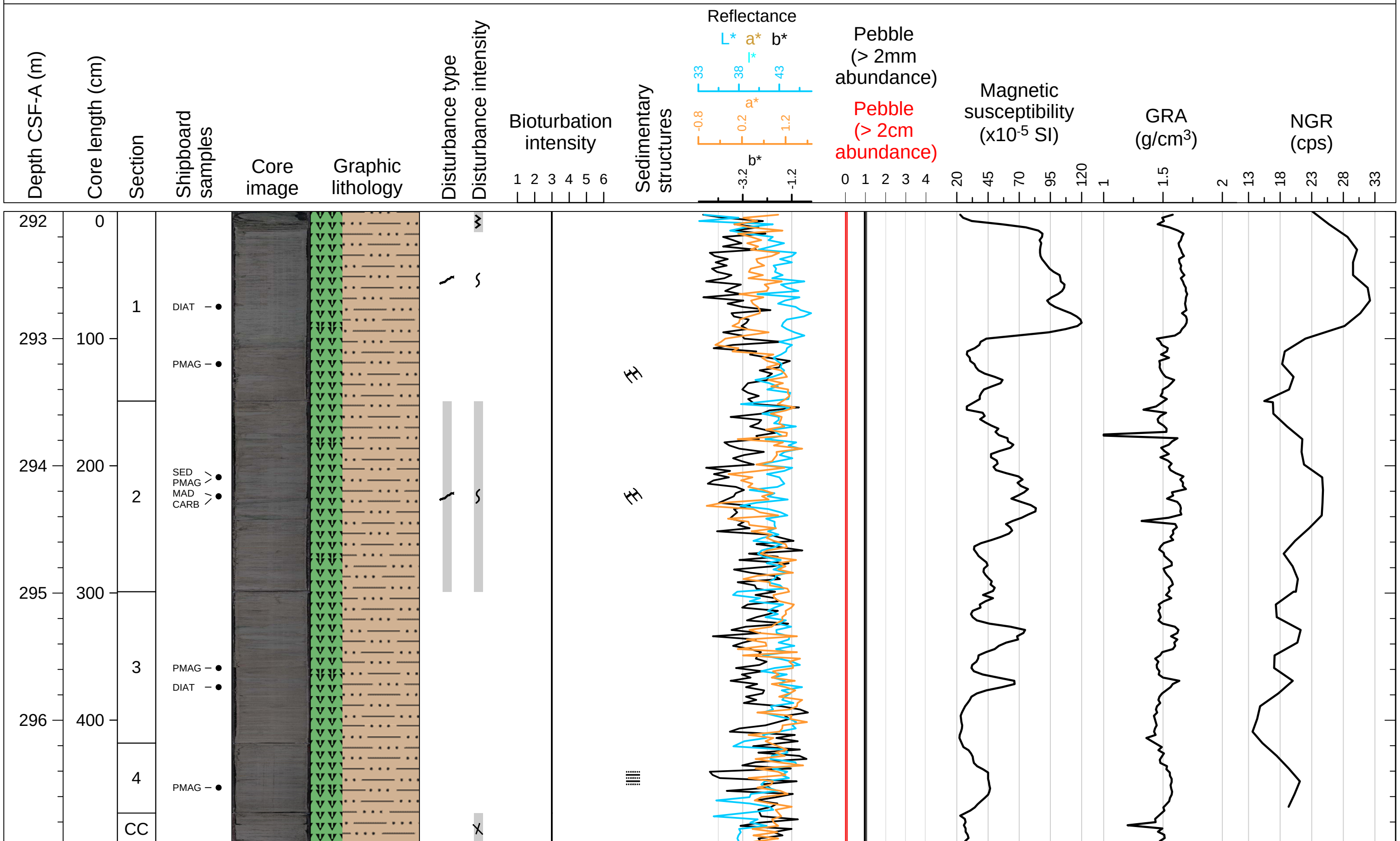
Hole 382-U1536A Core 40F, Interval 287.2-292.09 m (CSF-A)

color banded greenish grey diatom rich silty clay, several burrows



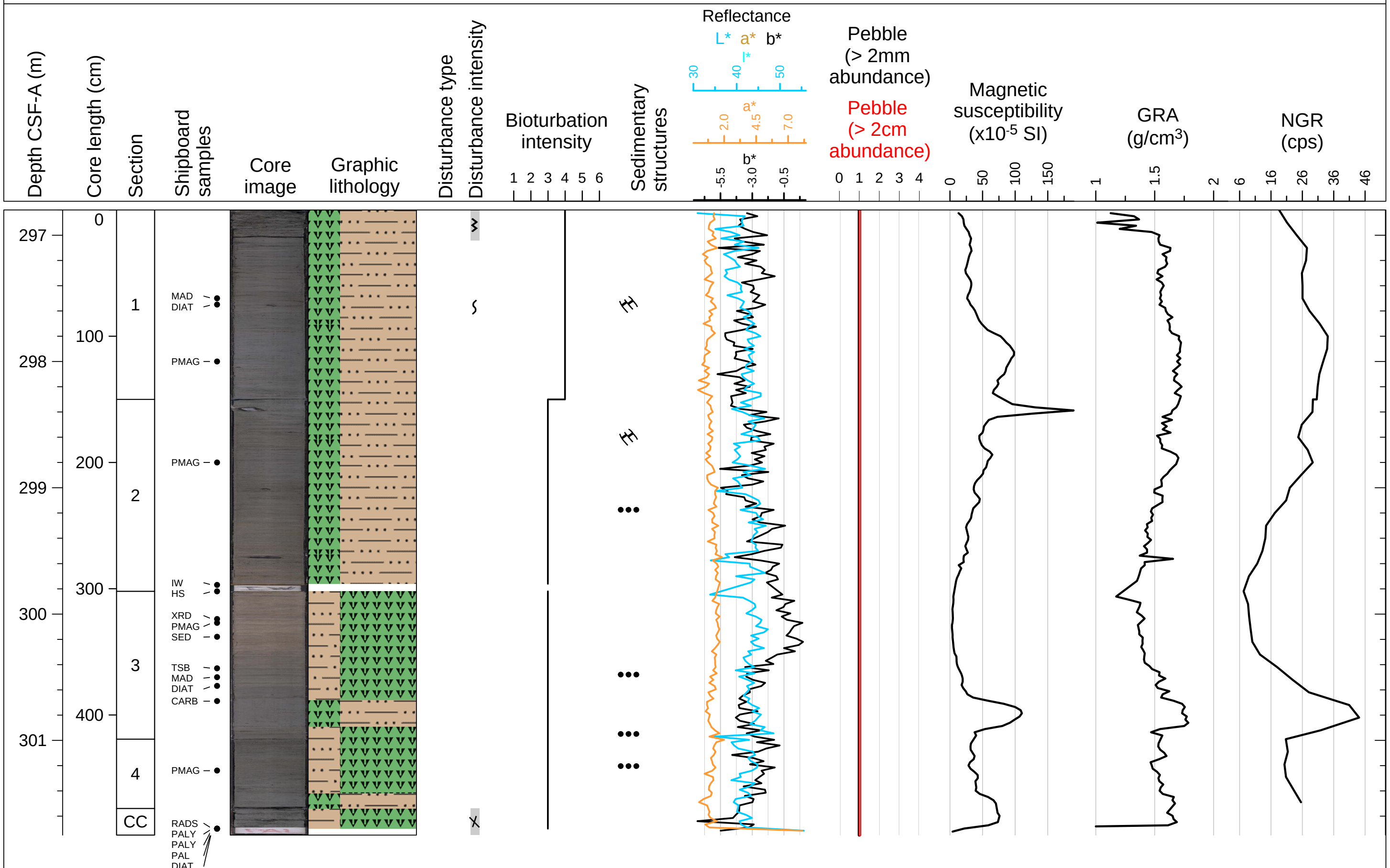
Hole 382-U1536A Core 41F, Interval 292.0-296.98 m (CSF-A)

generally 10GY 4/1 dark greenish gray and 10Y 5/1 greenish gray diatom rich silty clay with highly disturbance.



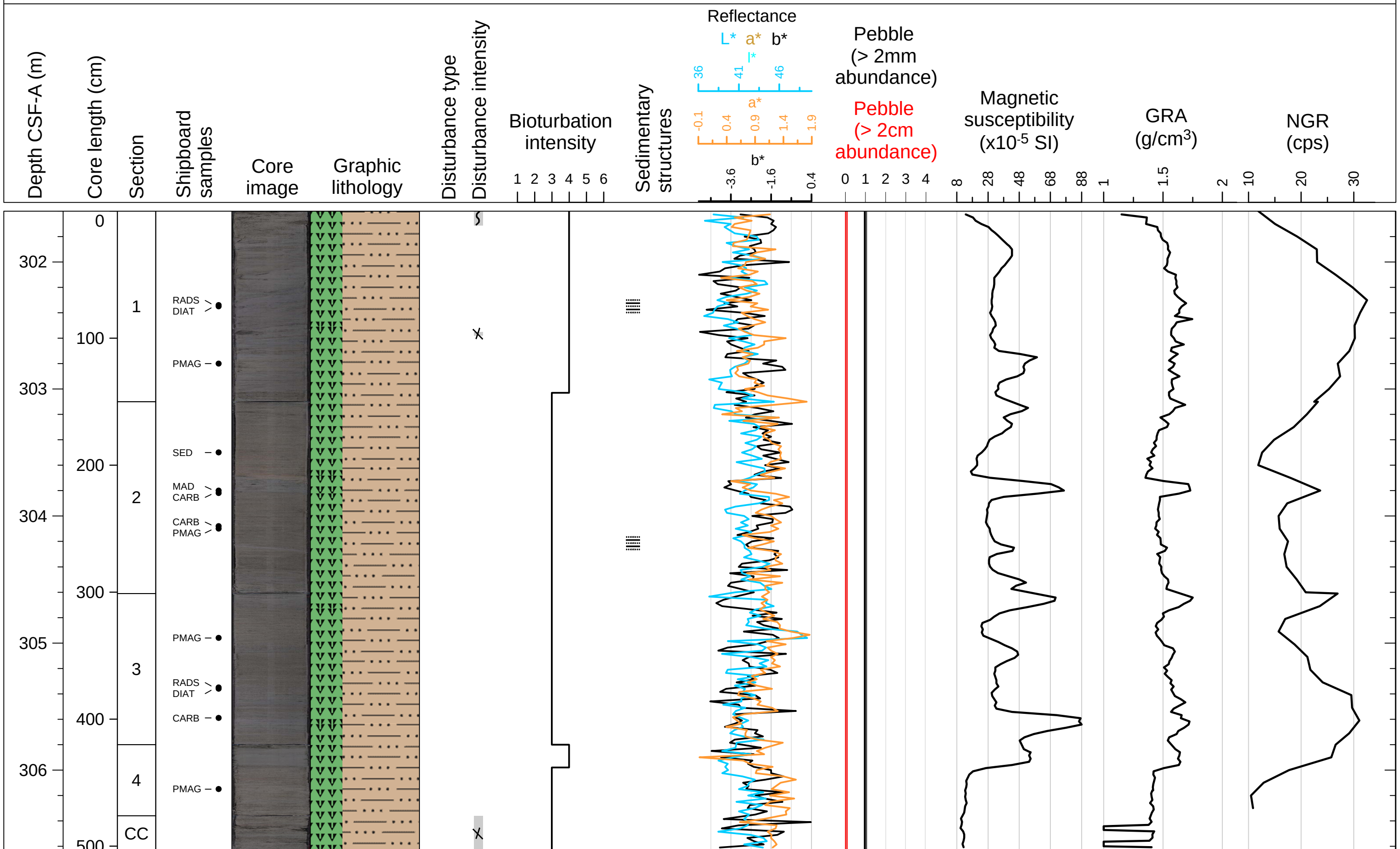
Hole 382-U1536A Core 42F, Interval 296.8-301.75 m (CSF-A)

There are two lithologies 10GY 4/1 dark greenish gray diatom rich silty clay and 10Y 5/1 greenish gray silty clay-bearing diatom ooze with well defined laminations in the X-raydiograph. Four drop stones in Section 2A.



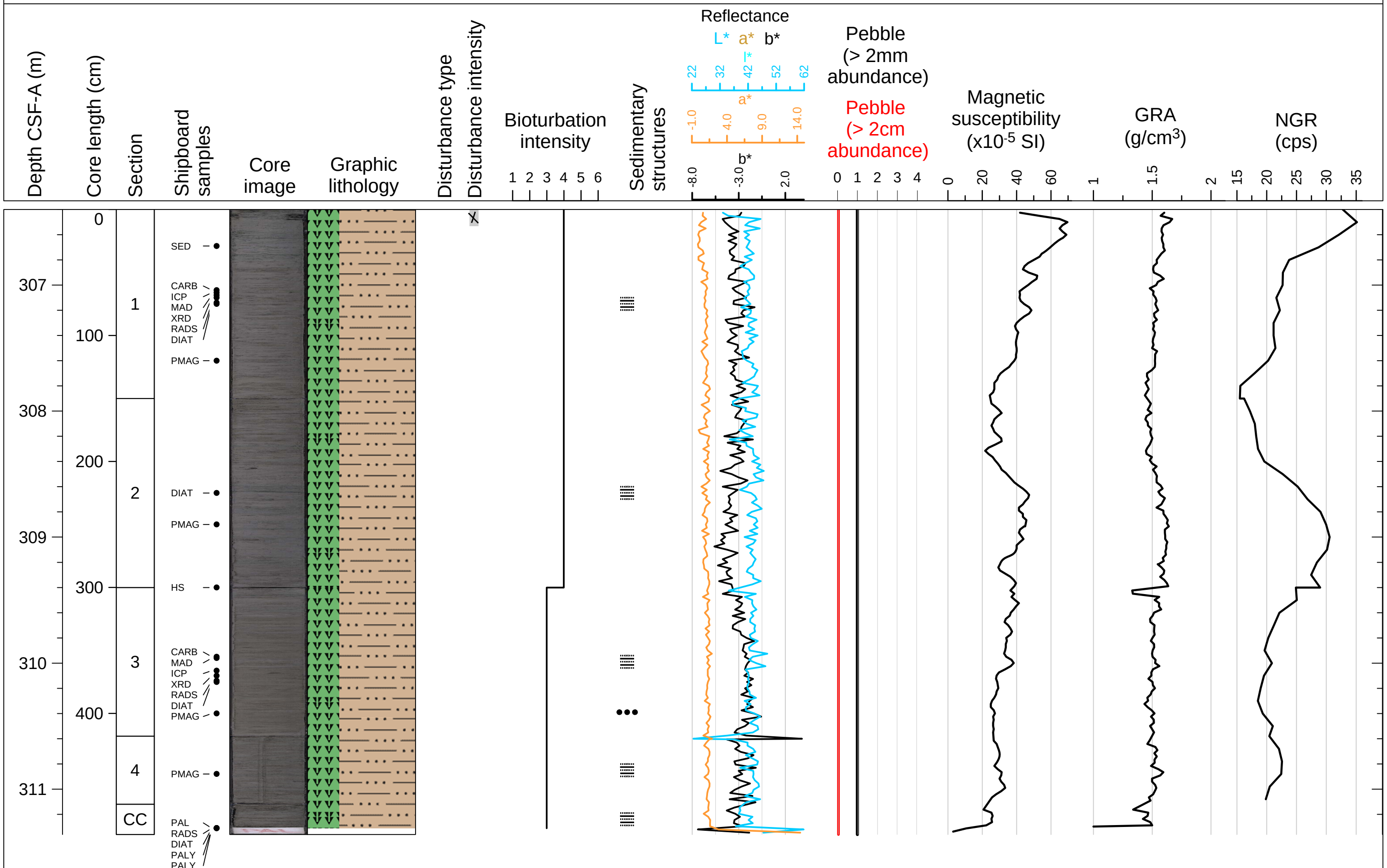
Hole 382-U1536A Core 43F, Interval 301.6-306.64 m (CSF-A)

10GY 4/1 dark greenish gray diatom bearing silty clay and 5GY 4/1 dark greenish gray diatom rich silty clay with color banding.



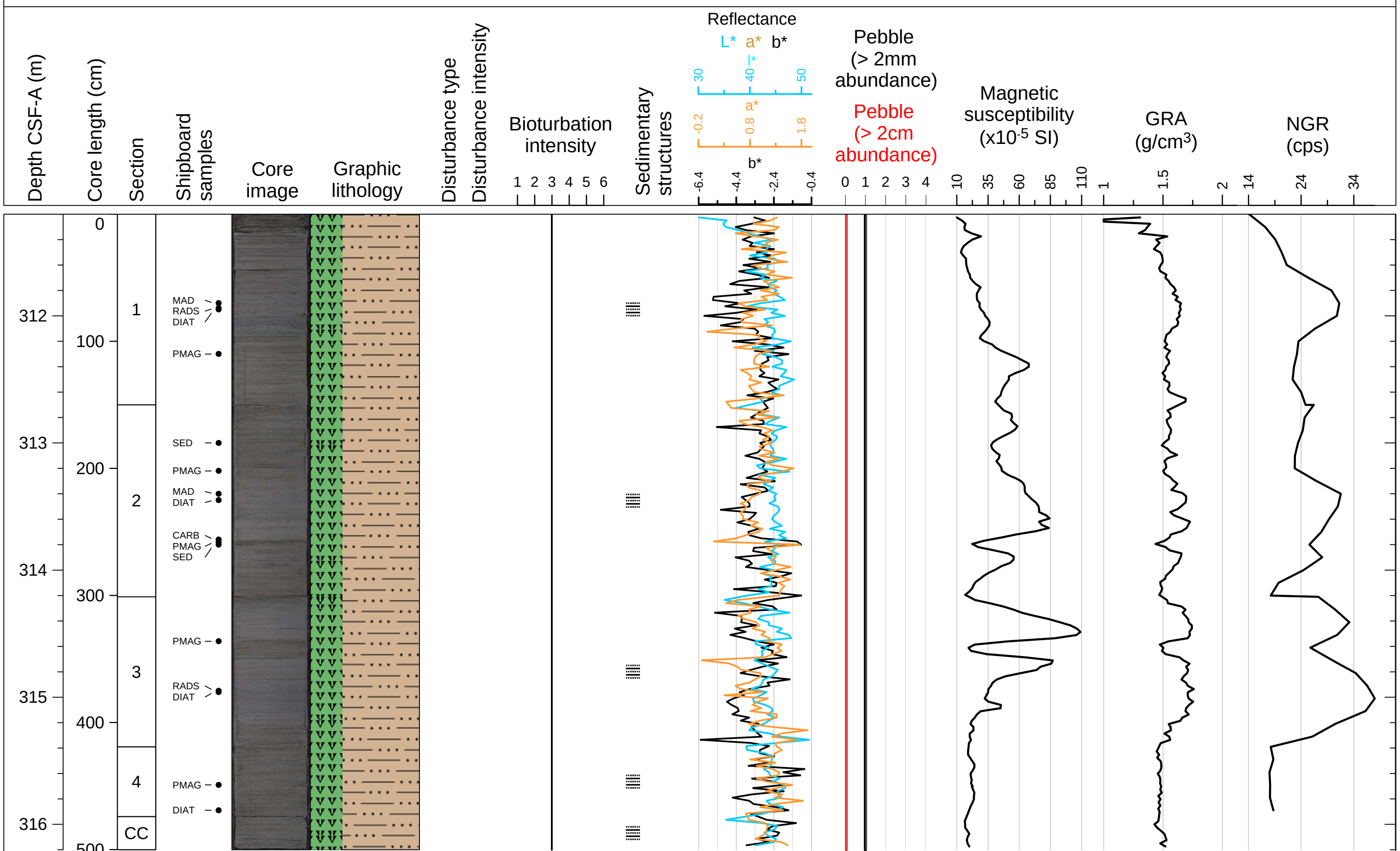
Hole 382-U1536A Core 44F, Interval 306.4-311.36 m (CSF-A)

10GY 4/1 dark greenish gray diatom bearing silty clay and 5GY 4/1 dark greenish gray diatom rich silty clay with color banding.



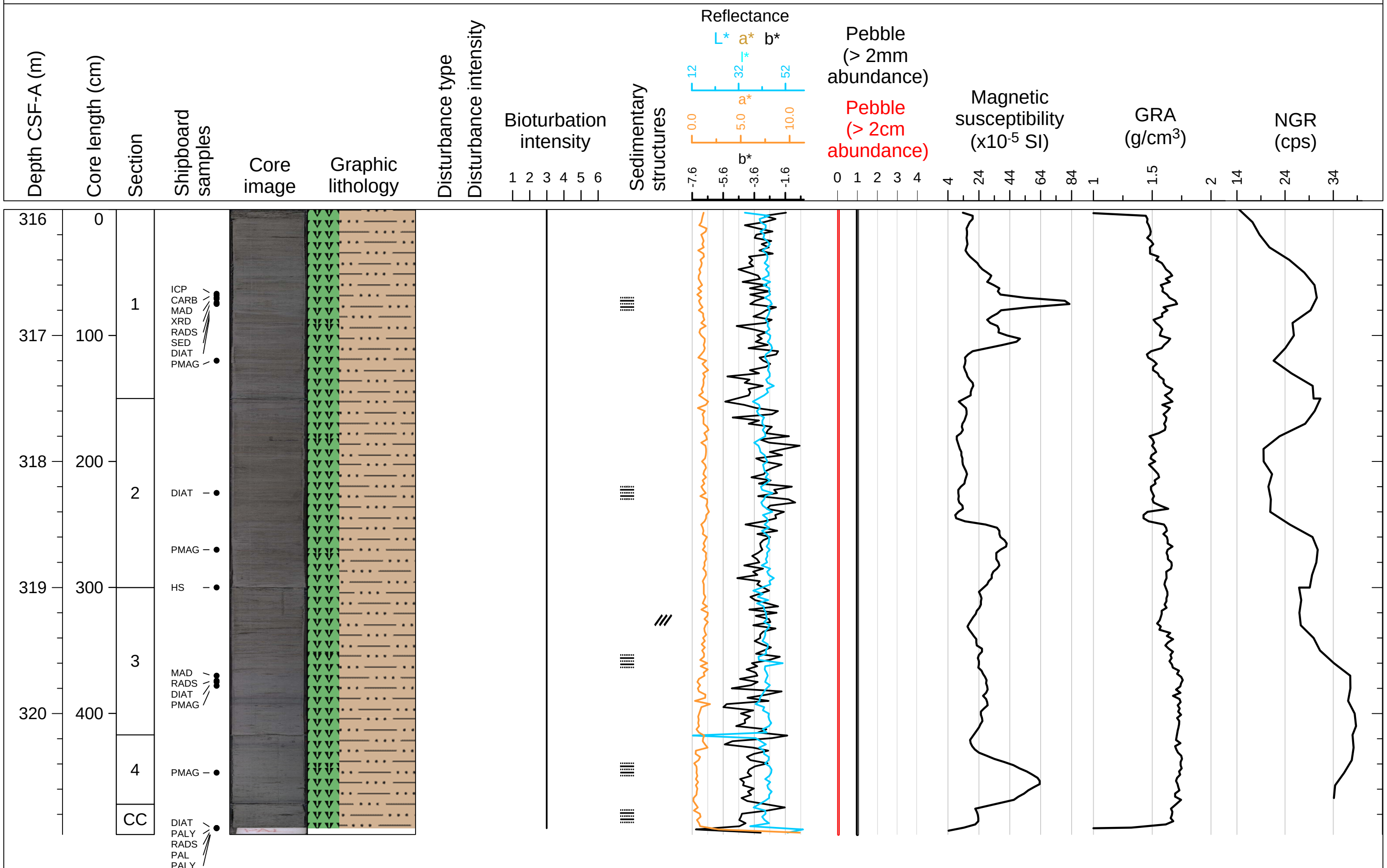
Hole 382-U1536A Core 45F, Interval 311.2-316.2 m (CSF-A)

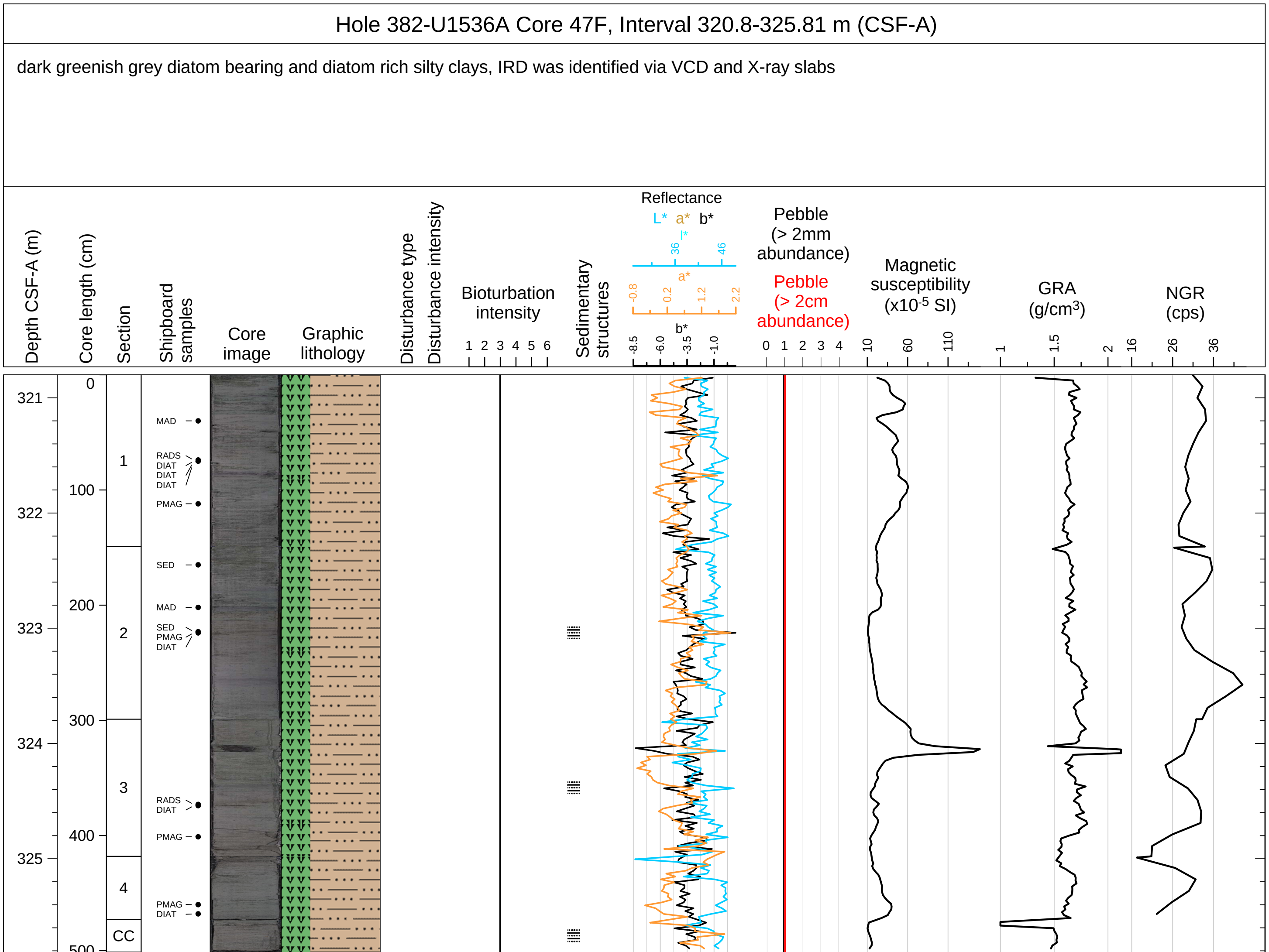
4/1 10GY dark greenish grey diatom rich silty clay and 4/N dark grey diatom bearing silty clay with color banding. pocket of clay bearing sandy silt in 2A @ 110 cm, IRD was predominantly identified via X-ray slabs



Hole 382-U1536A Core 46F, Interval 316.0-320.96 m (CSF-A)

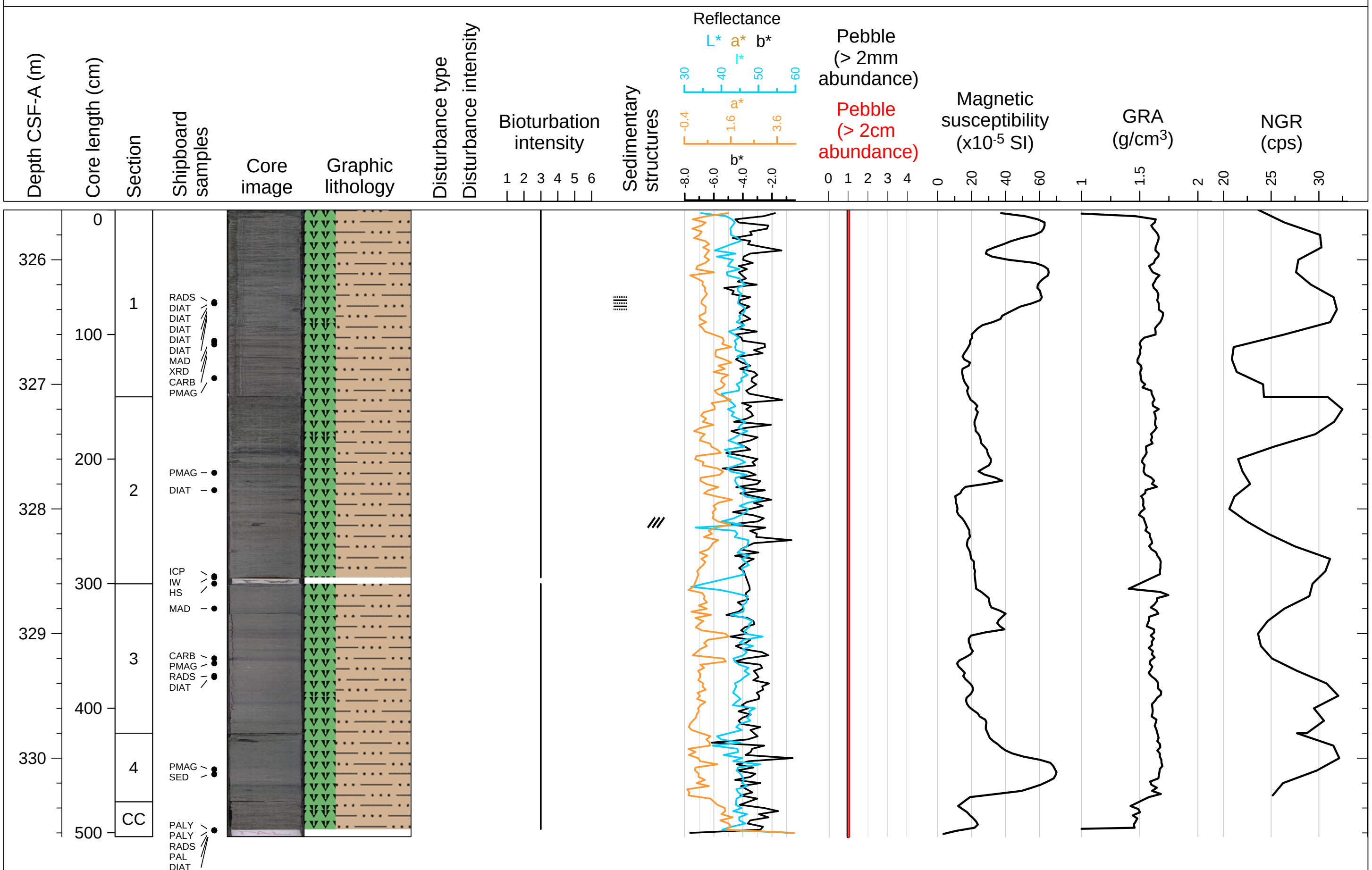
4/1 10GY dark greenish grey diatom rich silty clay and 4/N dark grey diatom bearing silty clay with color banding, IRD was predominantly identified via X-ray slabs




Hole 382-U1536A Core 47F, Interval 320.8-325.81 m (CSF-A)
dark greenish grey diatom bearing and diatom rich silty clays, IRD was identified via VCD and X-ray slabs
Depth CSF-A (m)
Core length (cm)
Section
Shipboard samples
Core image
Graphic lithology
Disturbance type
Disturbance intensity
Bioturbation intensity
1 2 3 4 5 6
Sedimentary structures
Reflectance
L* a* b*
Pebble
(> 2mm abundance)
Pebble
(> 2cm abundance)
0 1 2 3 4
Magnetic susceptibility
(x10-5 SI)
10
60
110
GRA
(g/cm3)
1
1.5
2
NGR
(cps)
16
26
36
321
322
323
324
325
0
100
200
300
400
500
1
2
3
4
CC
MAD
RADS
DIAT
DIAT
DIAT
PMAG
SED
MAD
SED
PMAG
DIAT
RADS
DIAT
PMAG
PMAG
DIAT

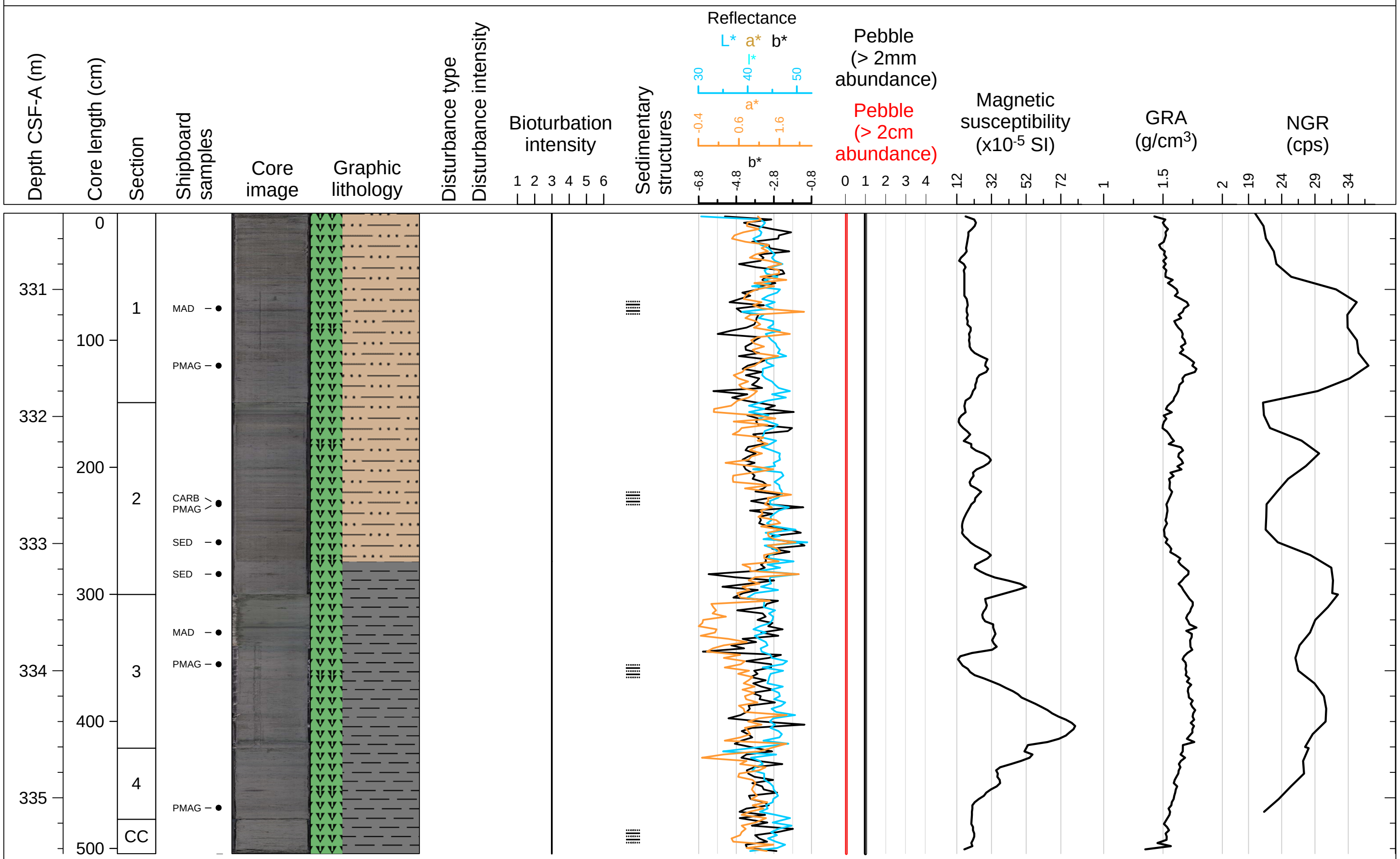
Hole 382-U1536A Core 48F, Interval 325.6-330.63 m (CSF-A)

greenish grey diatom bearing silty clay interbedded with greenish grey diatom rich silty clay, IRD was identified throughout the core via VCD and X-ray slabs



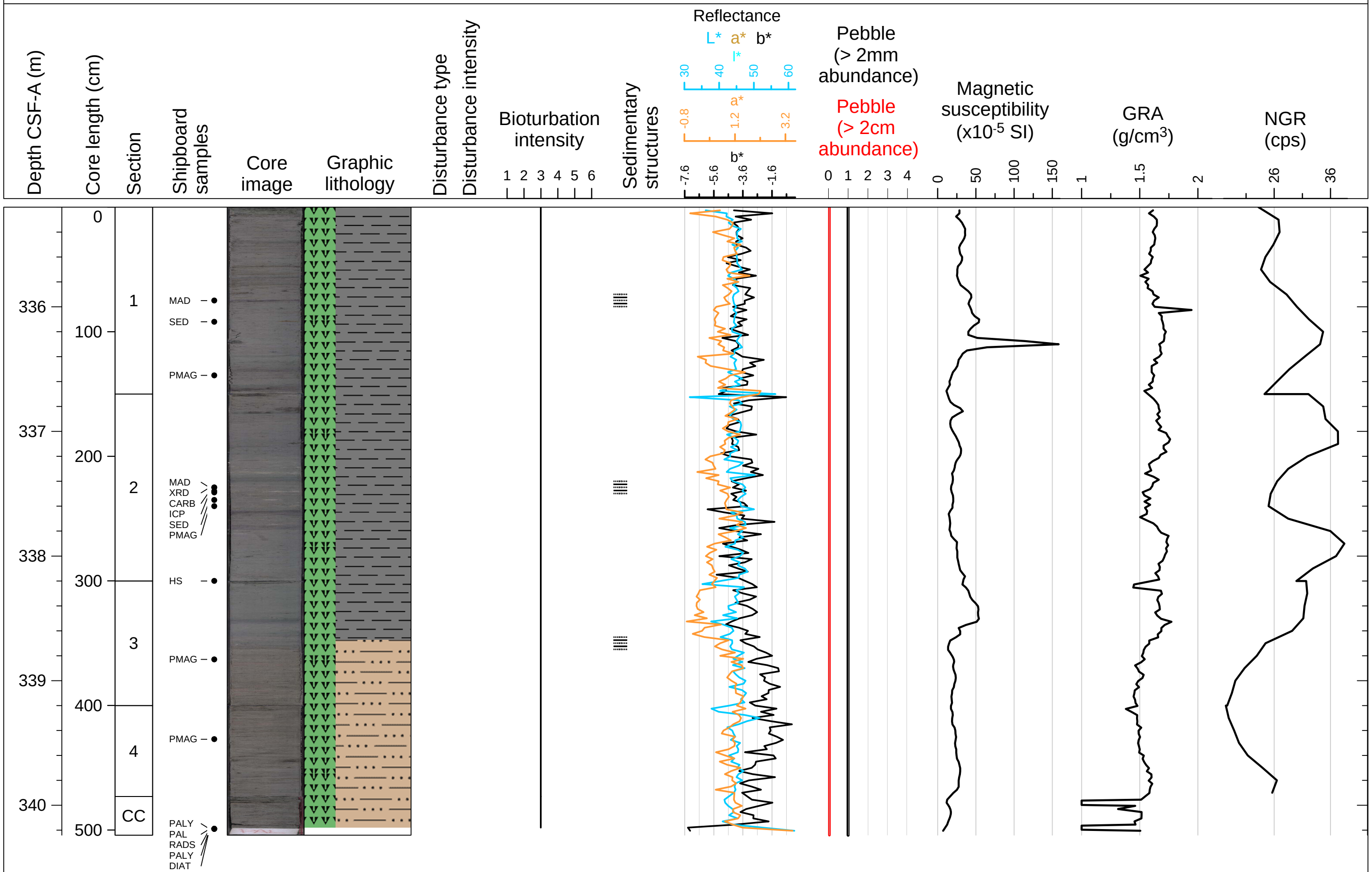
Hole 382-U1536A Core 49F, Interval 330.4-335.44 m (CSF-A)

interbedded greenish grey diatom rich silty clay and clay



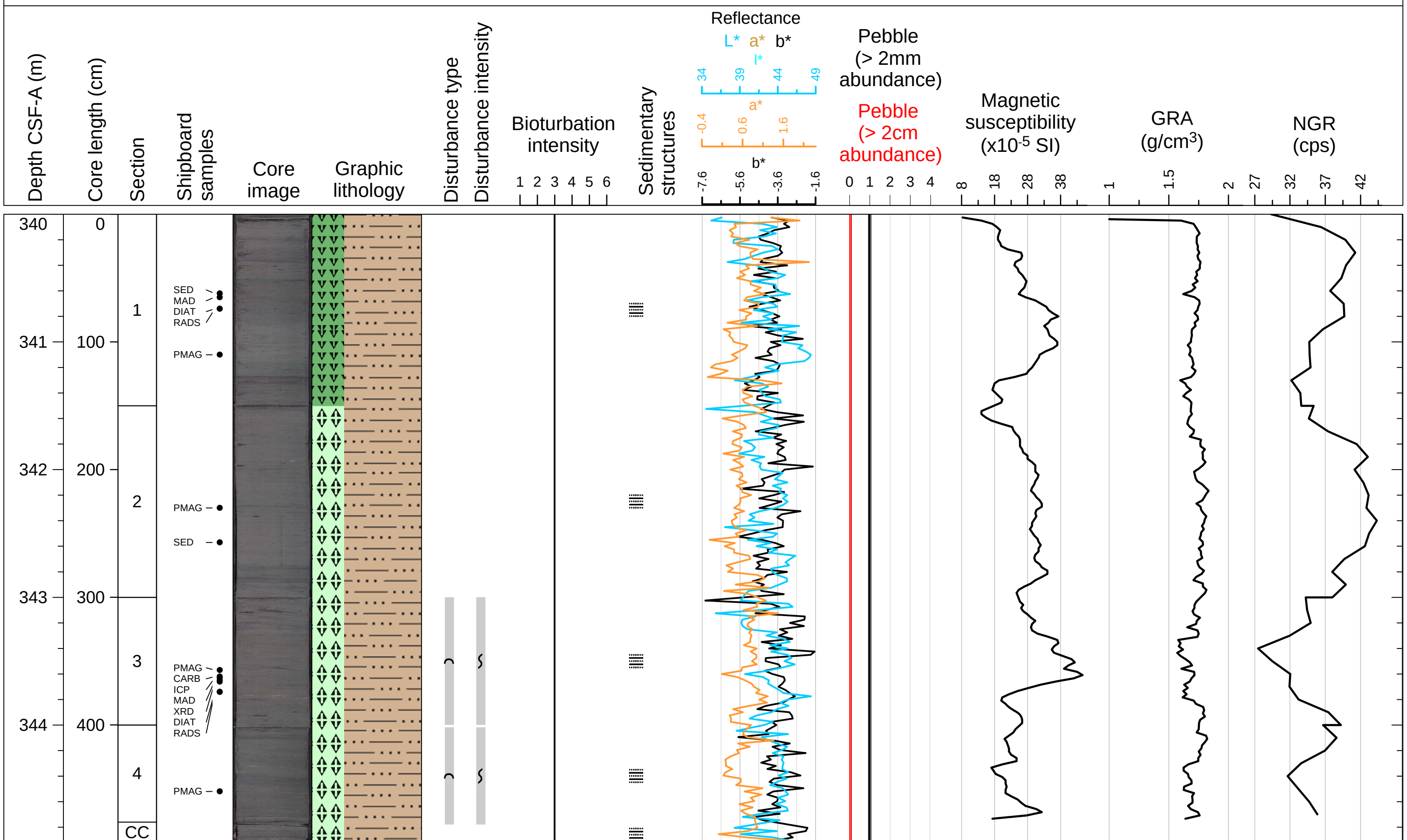
Hole 382-U1536A Core 50F, Interval 335.2-340.24 m (CSF-A)

color banded diatom rich silty clays and clay, few silt burrows, one carbonaceous silt burrow (5H 1A, 92-93 cm)



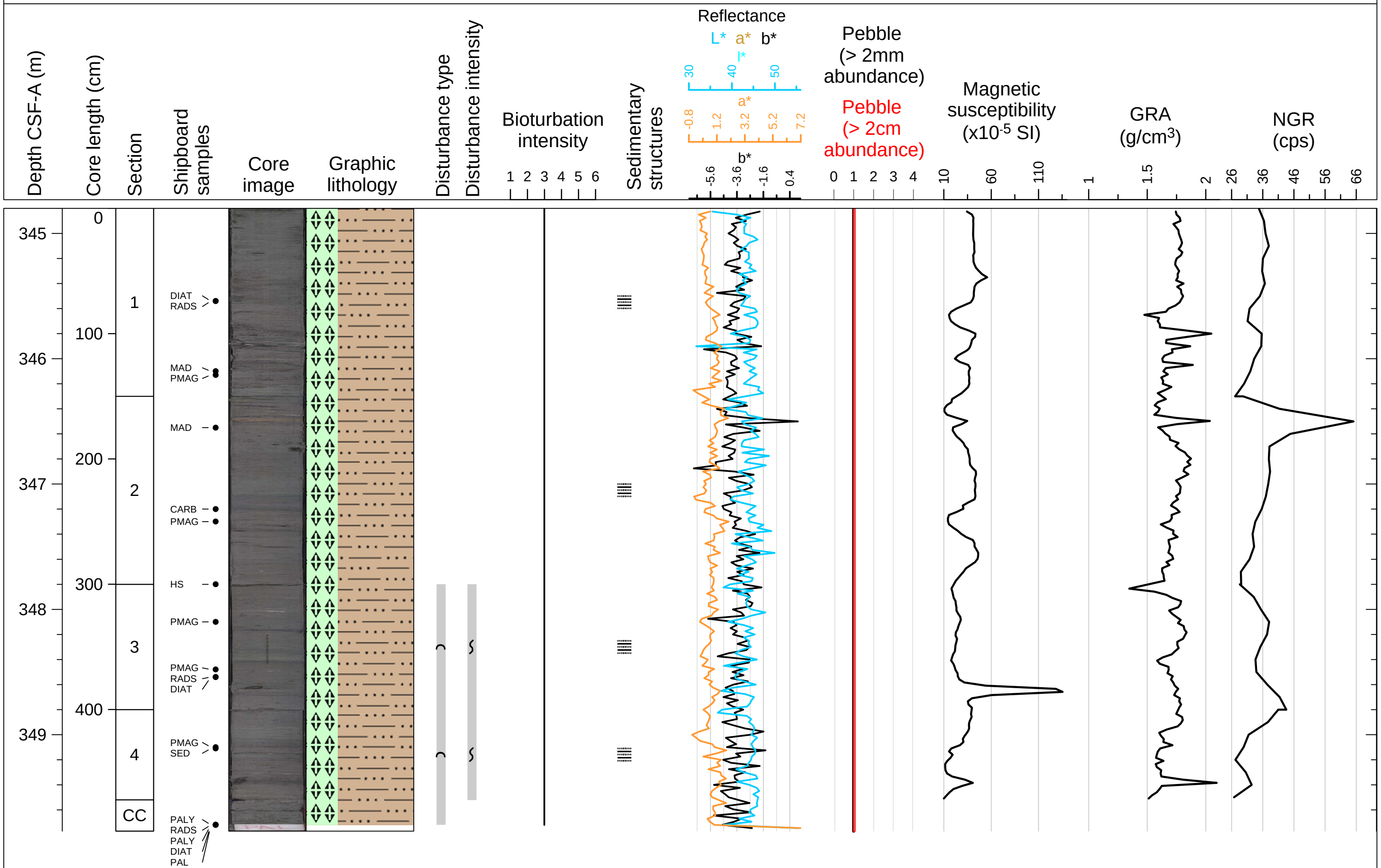
Hole 382-U1536A Core 51F, Interval 340.0-344.92 m (CSF-A)

biosiliceous bearing silty clays, IRD was identified throughout the core via VCD and X-ray slabs, few biosiliceous silt burrows



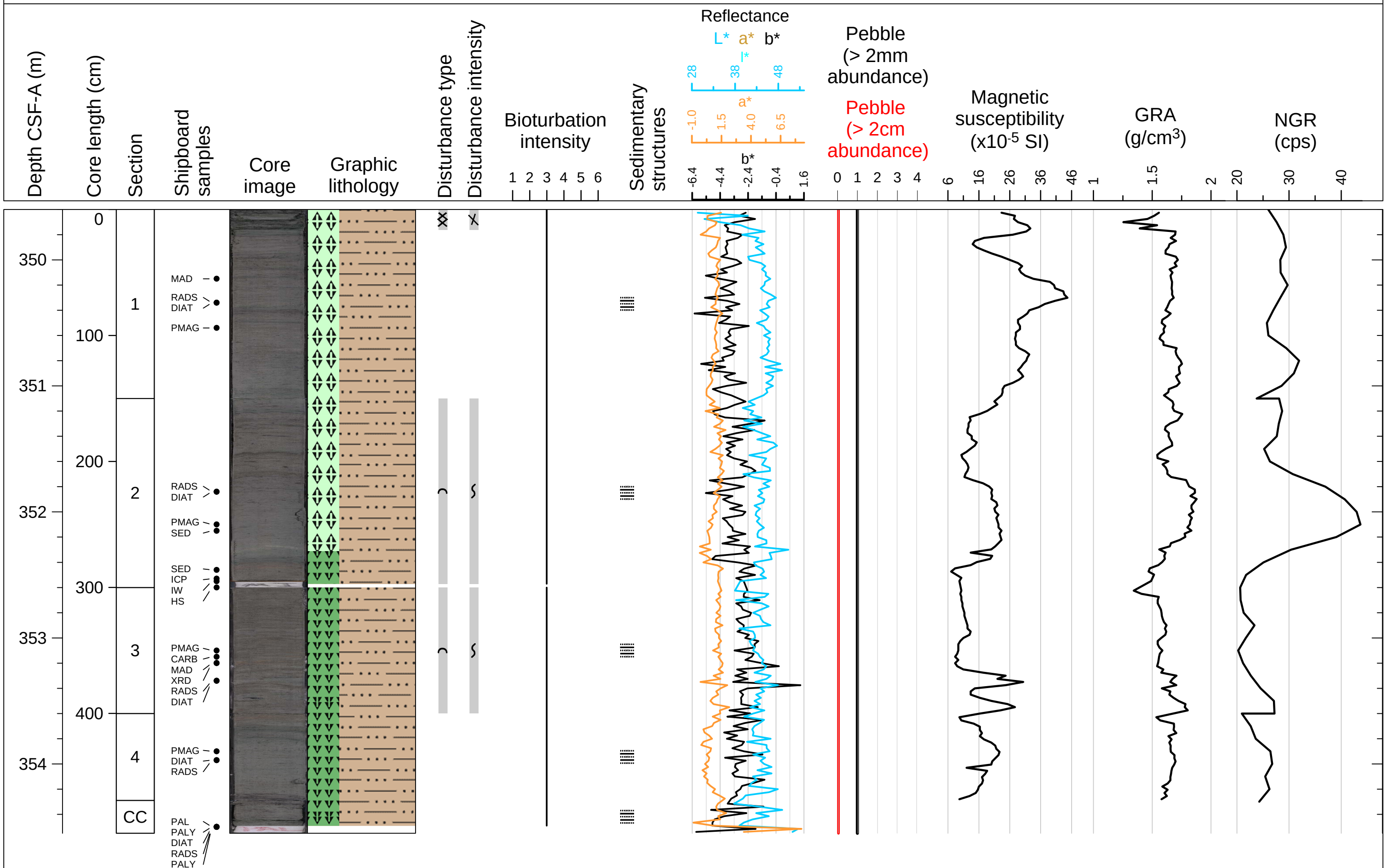
Hole 382-U1536A Core 52F, Interval 344.8-349.77 m (CSF-A)

biosiliceous bearing silty clays, IRD was identified throughout the core via VCD and X-ray slabs, few biosiliceous silt burrows, irregular highly bioturbated layers of silty clay rich diatom oozes throughout the core



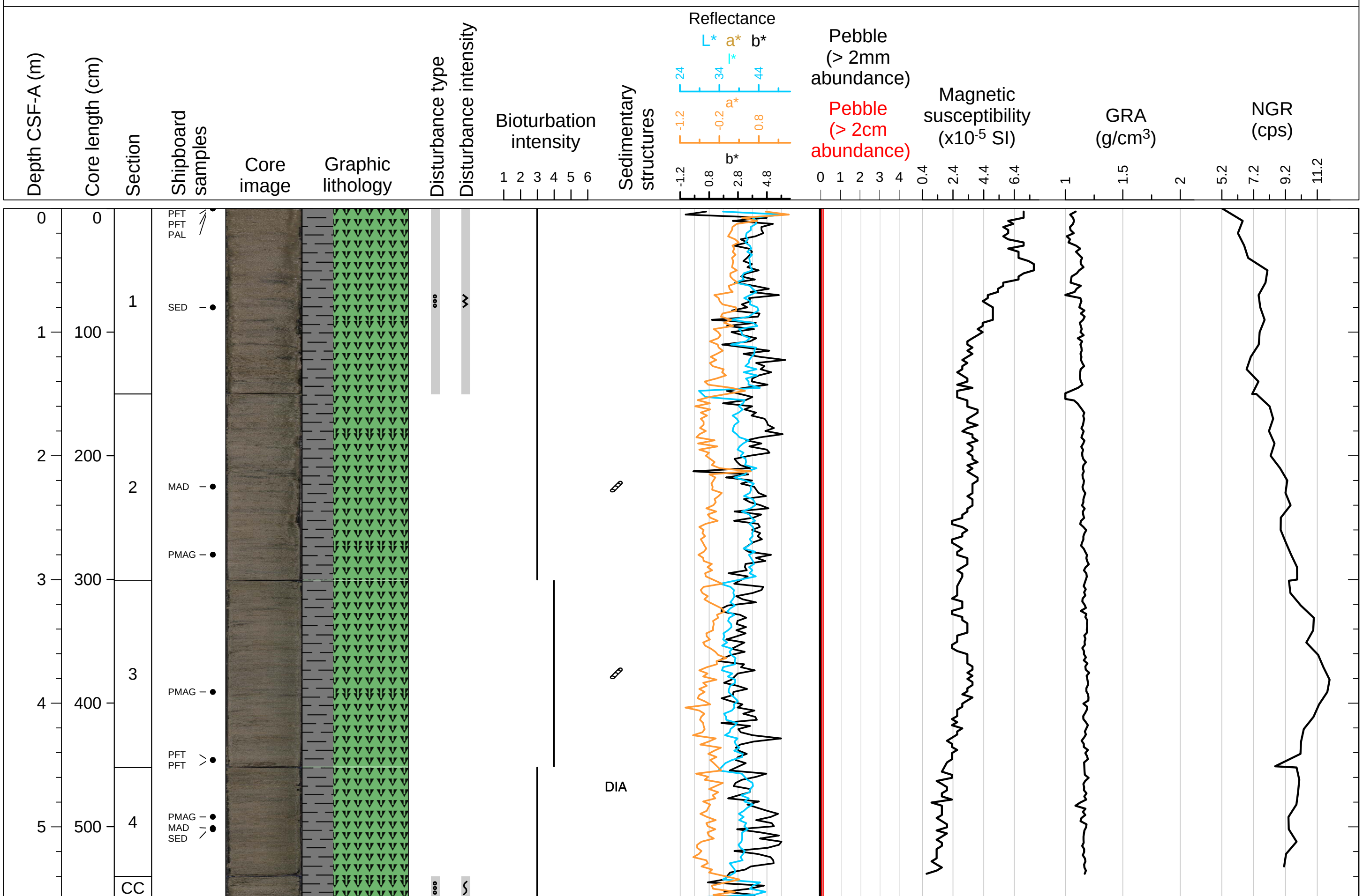
Hole 382-U1536A Core 53F, Interval 349.6-354.55 m (CSF-A)

dark greenish grey biosiliceous bearing silty clays, IRD was identified throughout the core via VCD and X-ray slabs



Hole 382-U1536B Core 1H, Interval 0.0-5.59 m (CSF-A)

10Y5/1 greenish gray clay bearing diatom ooze. soupy. diatom matt in Section 4A.



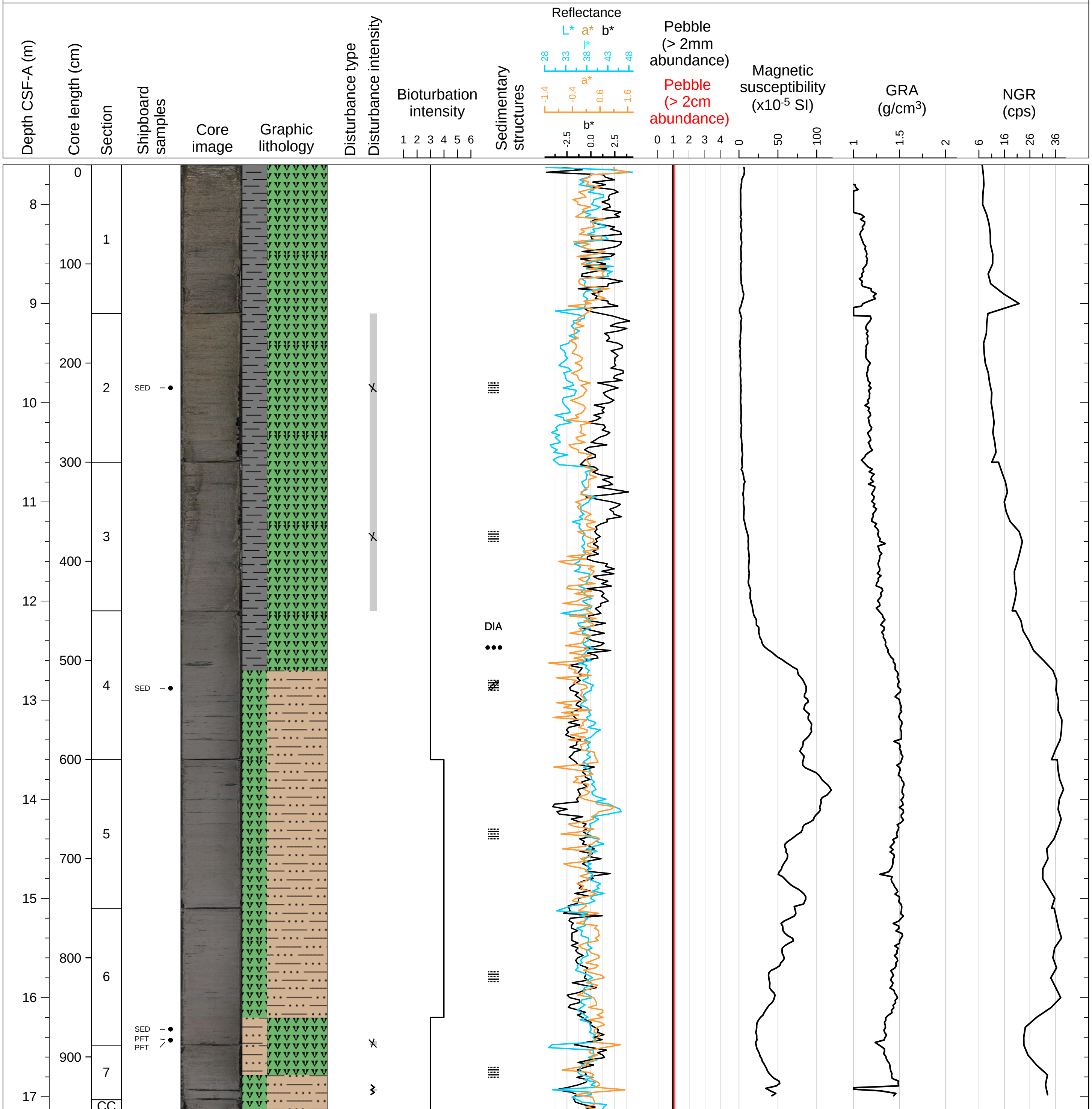
Hole 382-U1536B Core 21, Interval 5.6-5.6 m (CSF-A)

DRILLED INTERVAL

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Disturbance type	Disturbance intensity	Bioturbation intensity	Sedimentary structures	Reflectance L* a* b*	Pebble (> 2mm abundance) Pebble (> 2cm abundance)	Magnetic susceptibility ($x10^{-5}$ SI)	GRA (g/cm^3)	NGR (cps)
								1 2 3 4 5 6		L*: 0 0 1 1 1; a*: 0.0 0.3 0.5 0.8 1.0; b*: 0.0 0.3 0.5 0.8 1.0	0 1 2 3 4	0 0.25 0.5 0.75 1 1	1.5 2	0 0.25 0.5 0.75 1

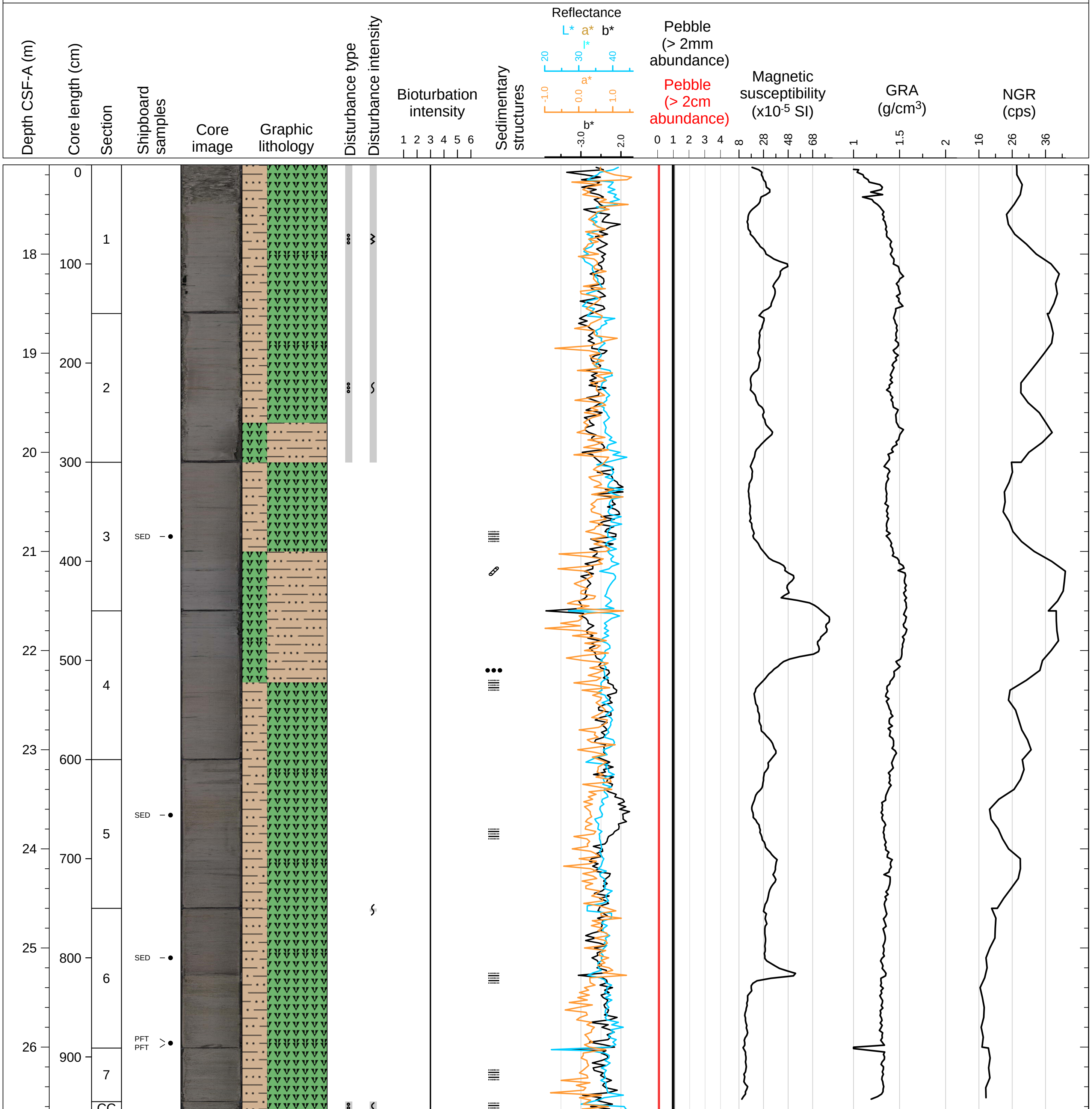
Hole 382-U1536B Core 3H, Interval 7.6-17.16 m (CSF-A)

10Y 4/1 dark greenish gray clay bearing diatom ooze with weak laminations and 10Y 5/1 greenish gray diatom rich silty clay with color banding.



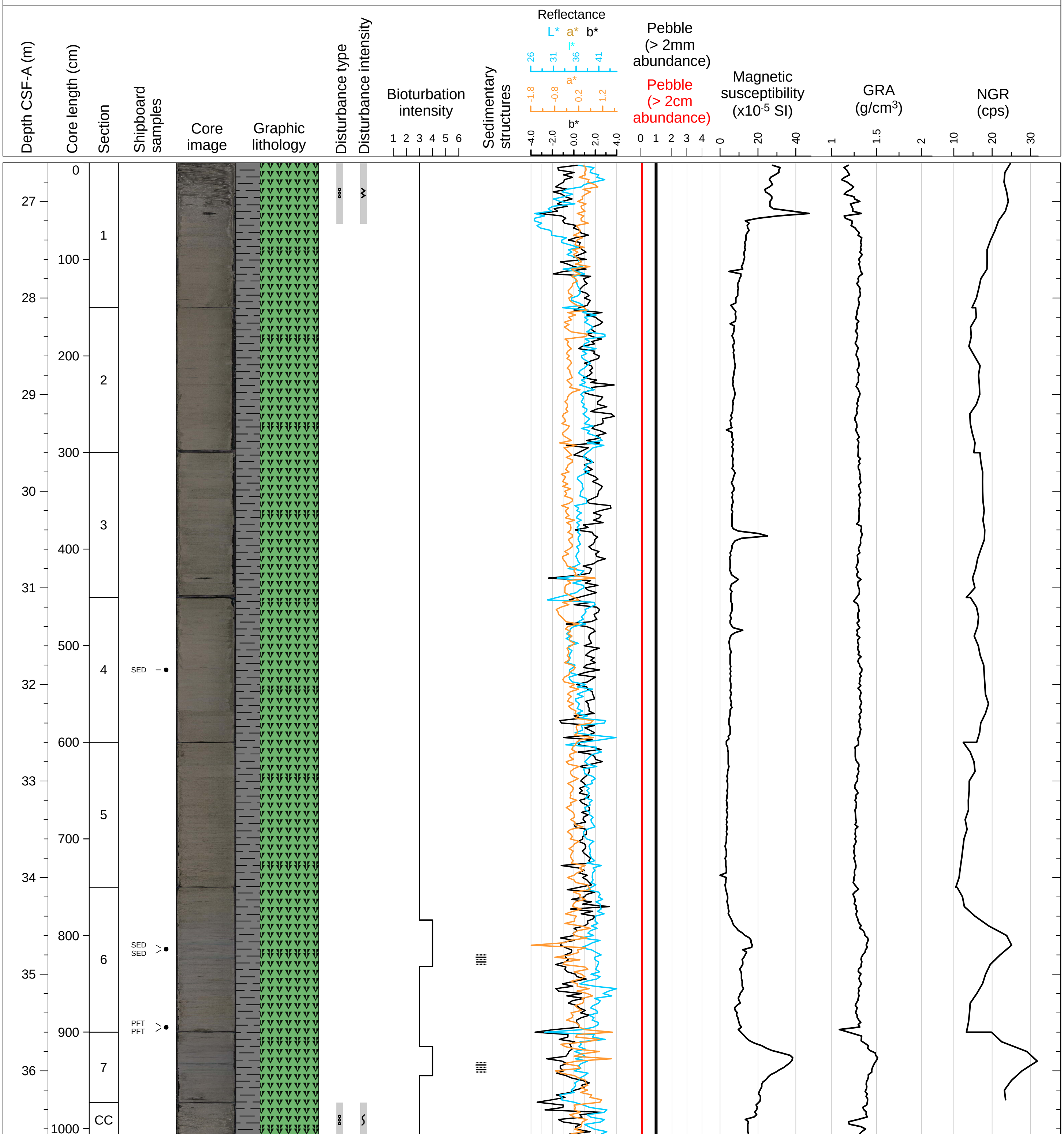
Hole 382-U1536B Core 4H, Interval 17.1-26.68 m (CSF-A)

interbedded silty clay rich diatom ooze, silty clay bearing and diatom rich silty clay



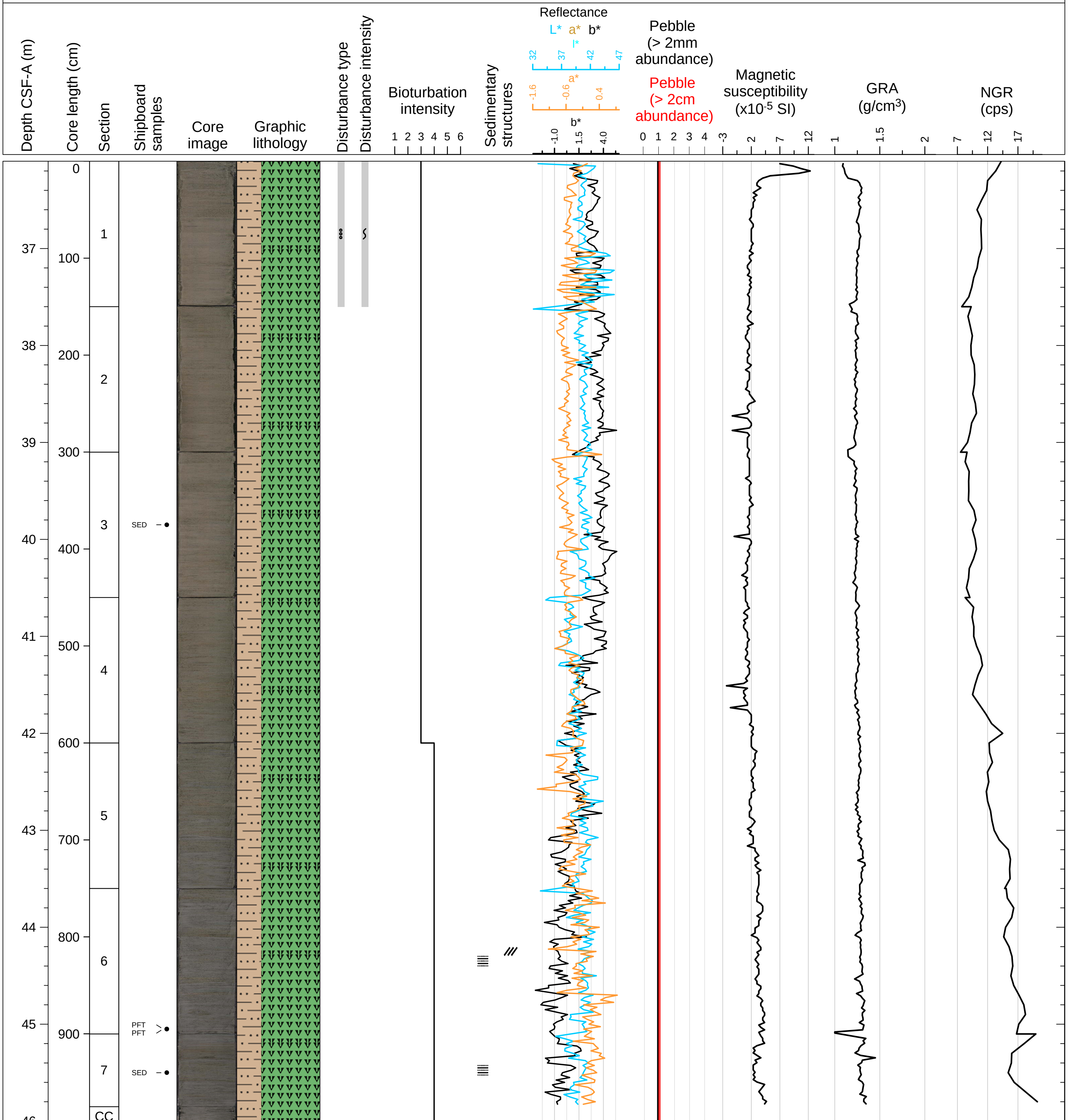
Hole 382-U1536B Core 5H, Interval 26.6-36.69 m (CSF-A)

10Y 4/1 dark greenish gray clay bearing diatom ooze with color banding and 10GY 5/1 greenish gray clay bearing diatom ooze.



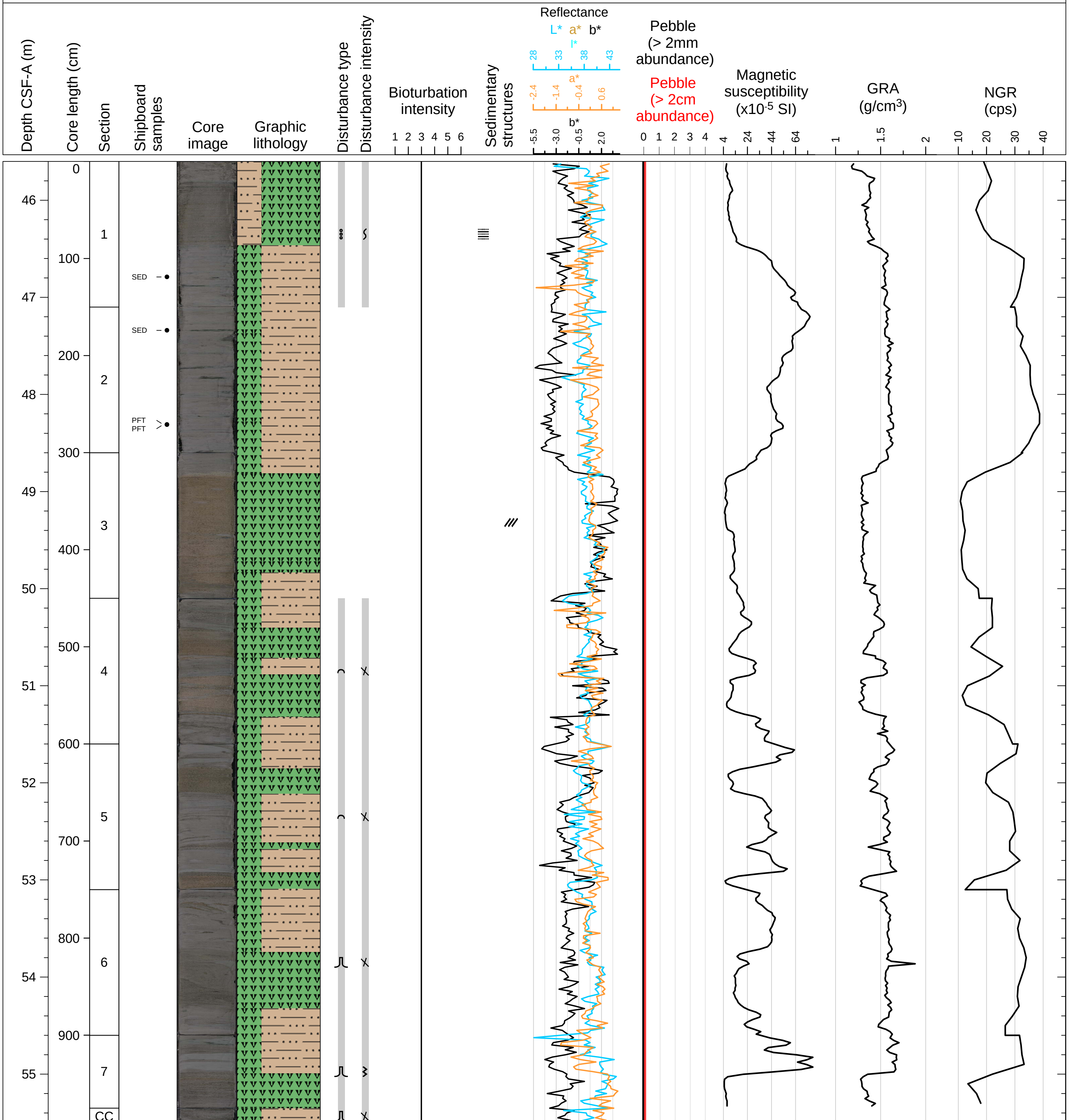
Hole 382-U1536B Core 6H, Interval 36.1-46.05 m (CSF-A)

dark greenish grey silty clay bearing diatom ooze with color banding transitioning to very dark greenish grey silty clay bearing



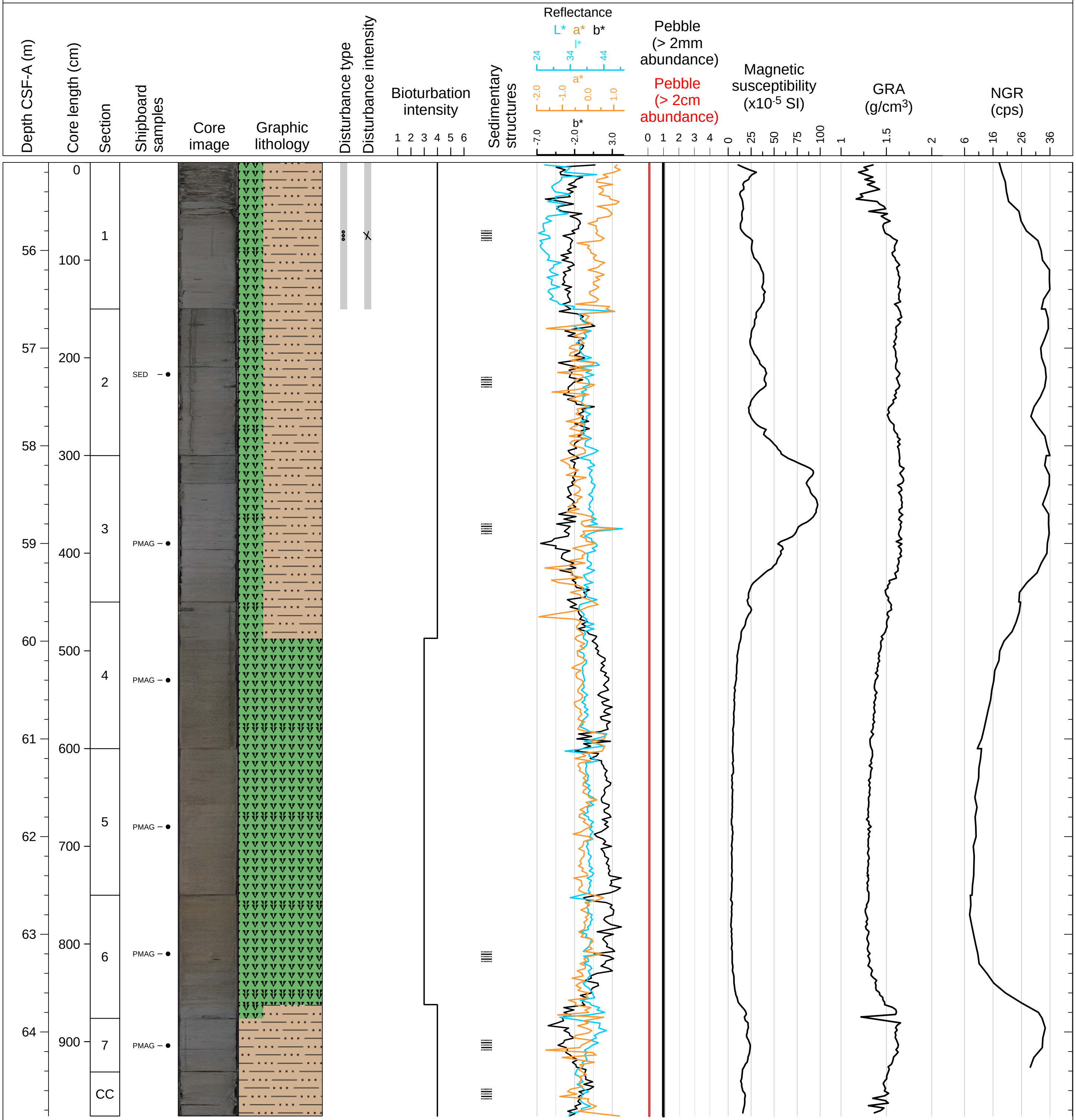
Hole 382-U1536B Core 7H, Interval 45.6-55.52 m (CSF-A)

dark to very dark greenish interbedded diatom rich silty clay and diatom oozes few dark green silt burrows in section 2A



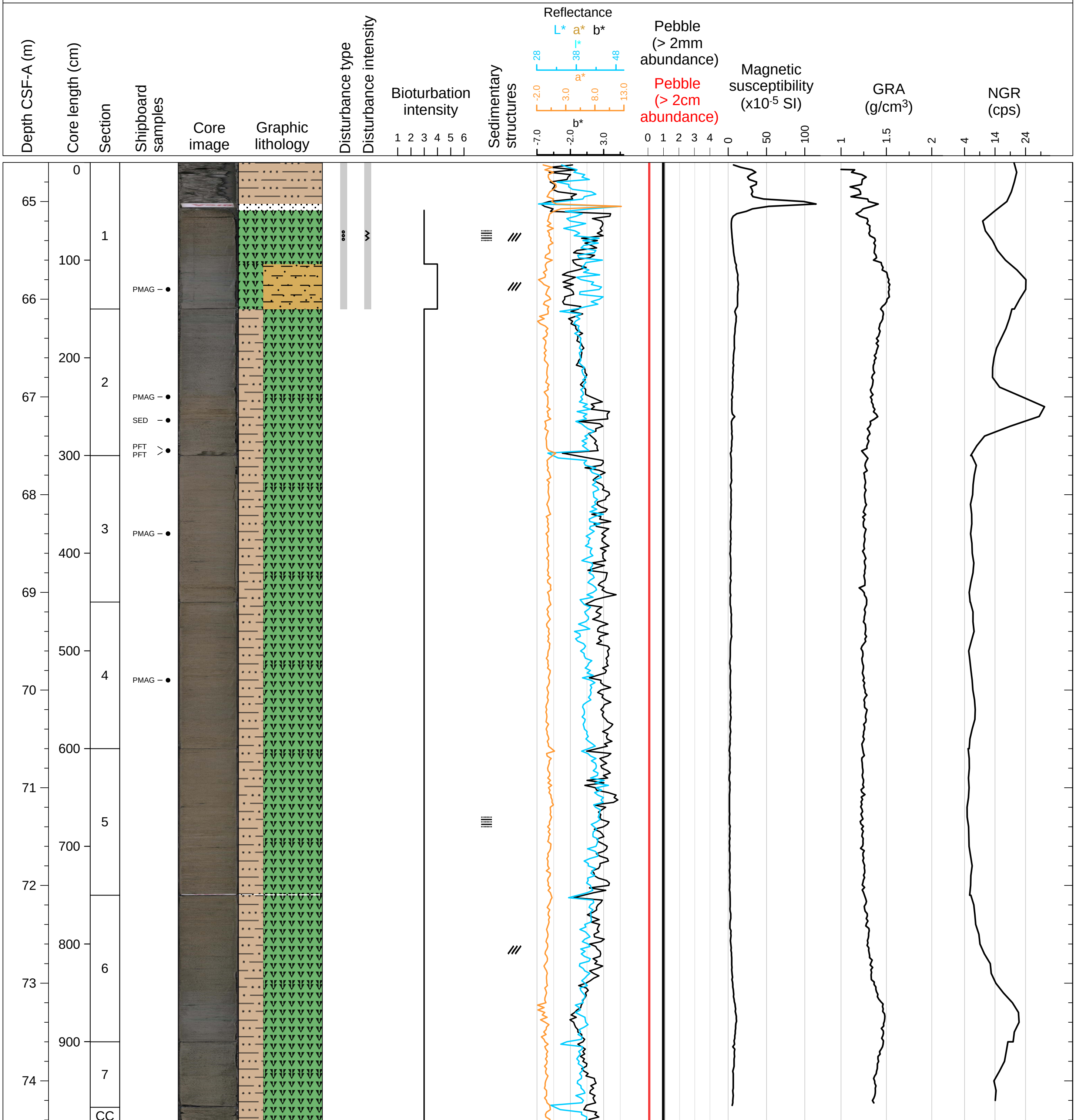
Hole 382-U1536B Core 8H, Interval 55.1-64.86 m (CSF-A)

dark greenish grey diatom bearing silty clays interbedded with very dark greenish grey diatom oozes, IRD was identified via VCD



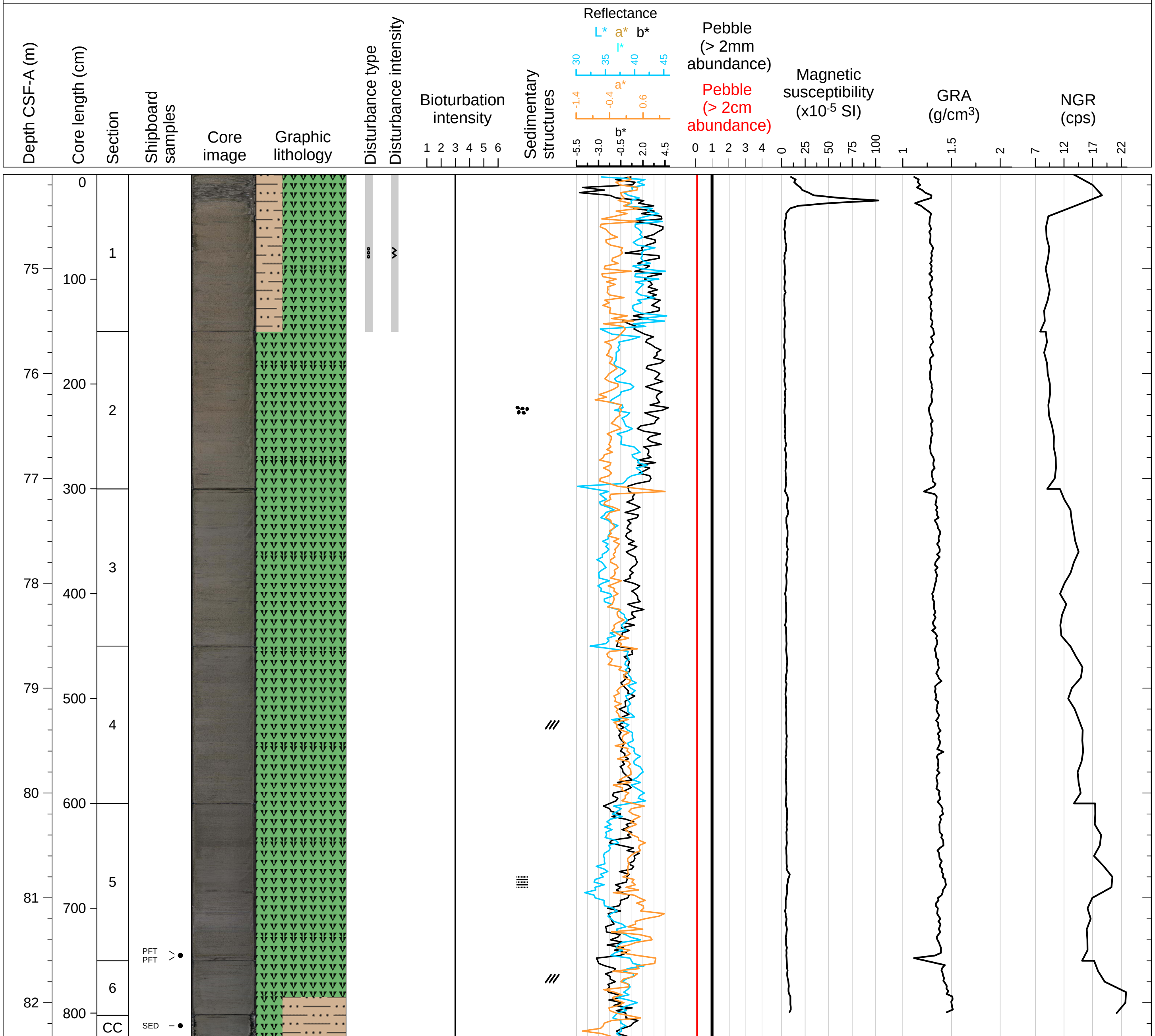
Hole 382-U1536B Core 9H, Interval 64.6-74.45 m (CSF-A)

greenish grey to dark greenish grey diatom ooze, surface of 1A highly disturbed (soupy), diatom oze fizzes upon contact with HCl, authigenic carbonate minerals?



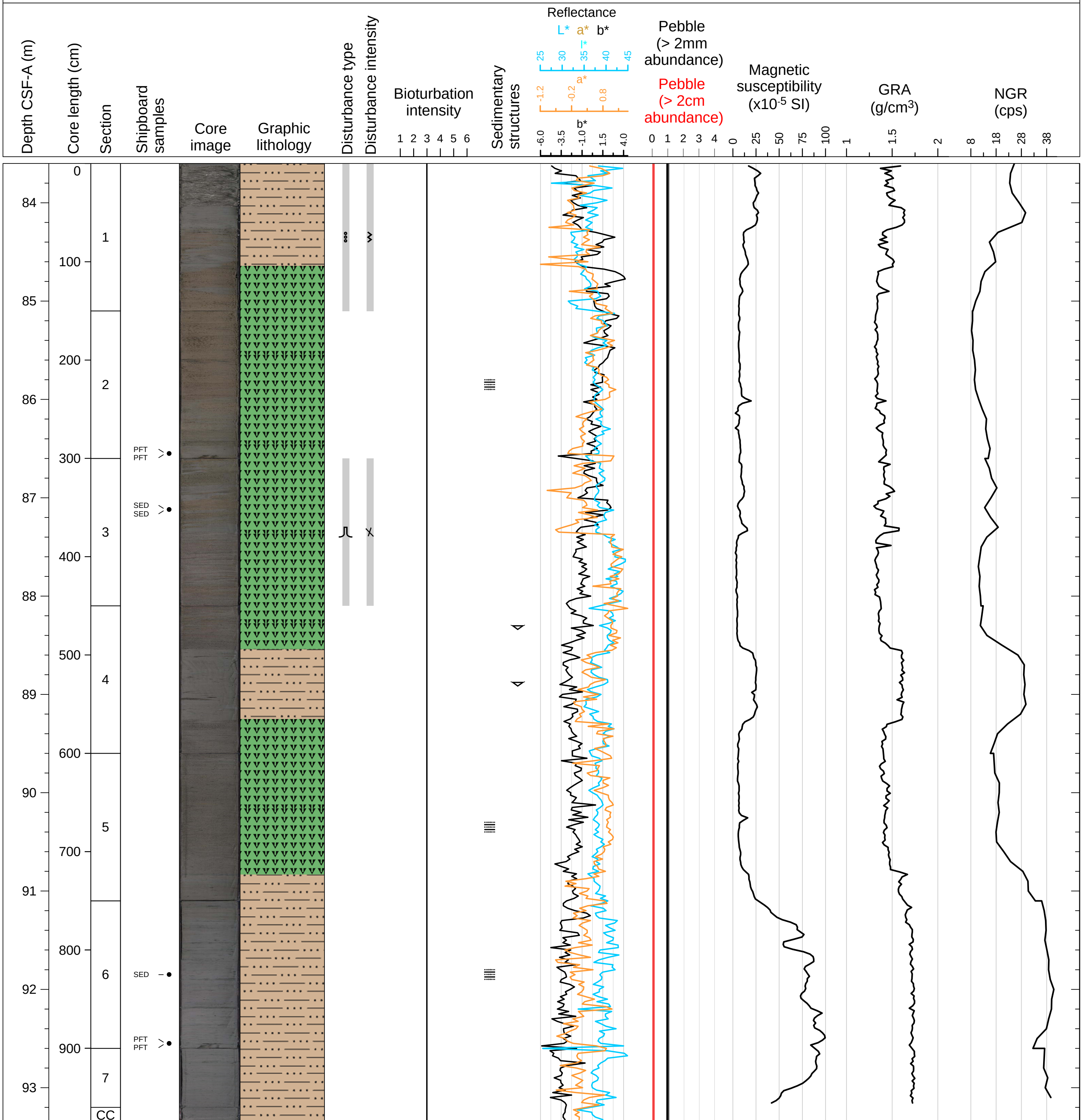
Hole 382-U1536B Core 10H, Interval 74.1-82.36 m (CSF-A)

dark greenish grey diatom ooze gradually changing to diatom rich silty clay in section 6



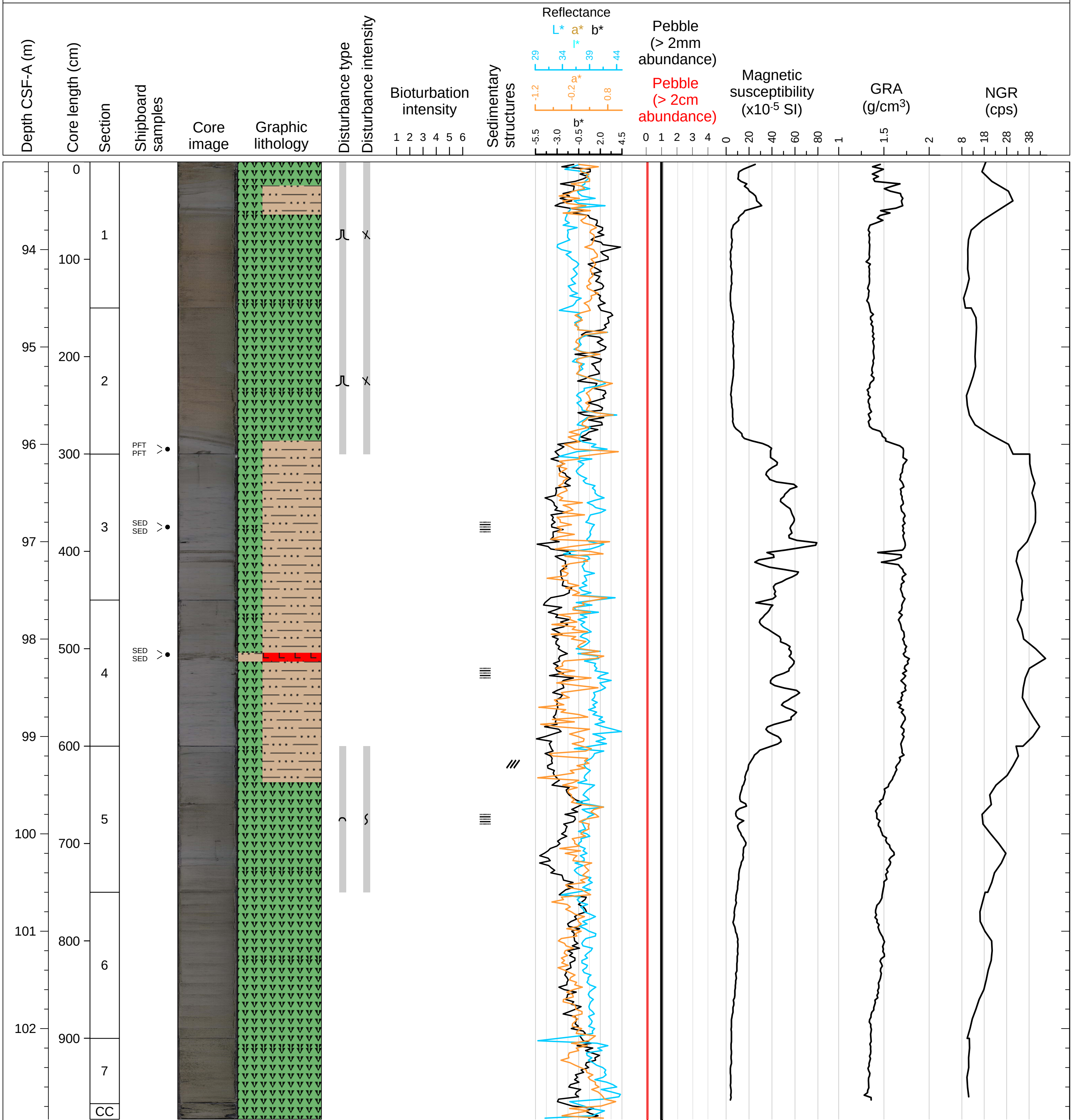
Hole 382-U1536B Core 11H, Interval 83.6-93.36 m (CSF-A)

interbedded dark greenish grey diatom oozes and grey silty clays, IRD was identified throughout the more clayey intervals via X-ray slabs



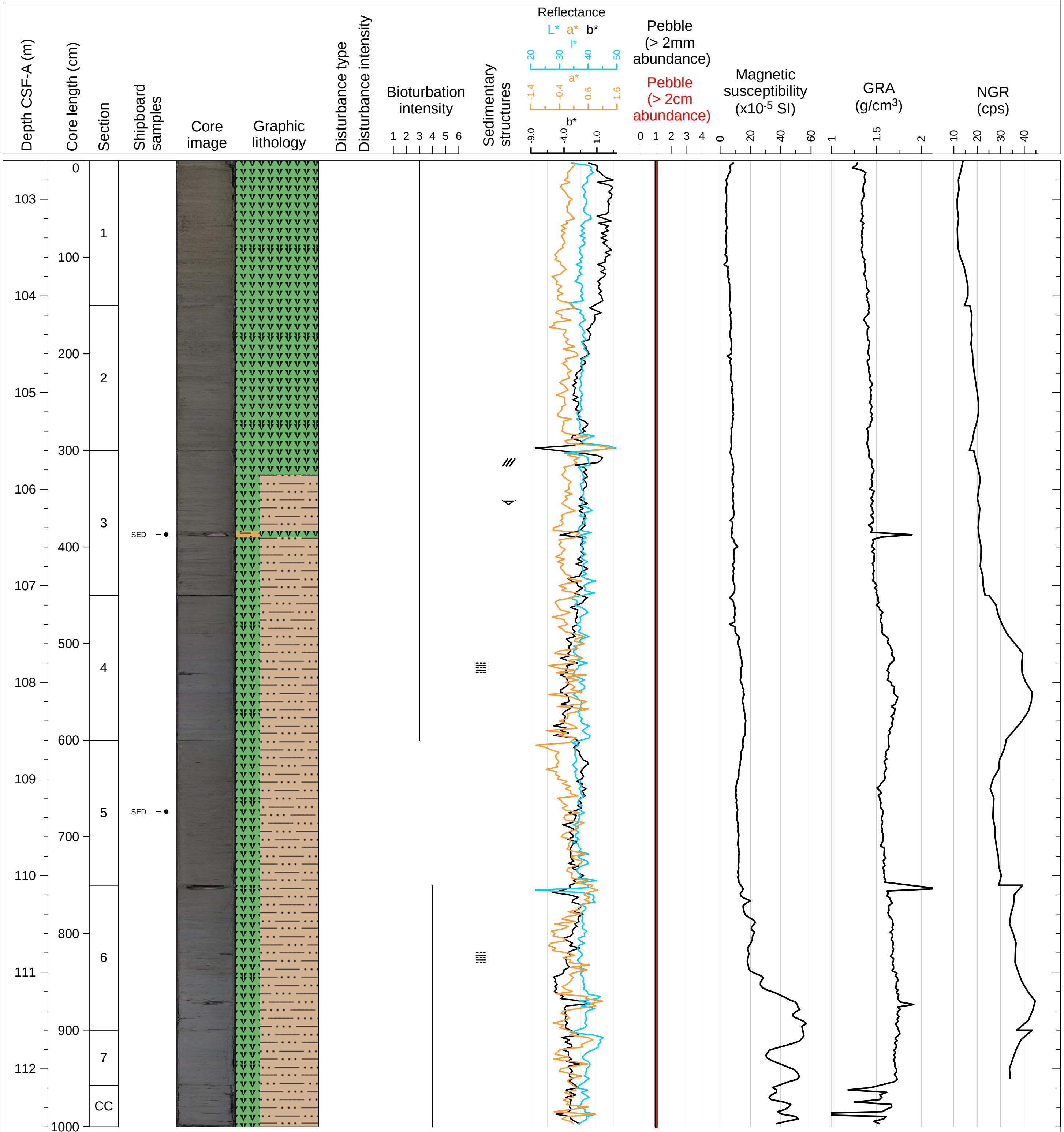
Hole 382-U1536B Core 12H, Interval 93.1-102.93 m (CSF-A)

very dark greenish grey diatom oozes and dark diatom bearing grey silty clay, carbonate bearing tephra in 4H @ 54-63 cm



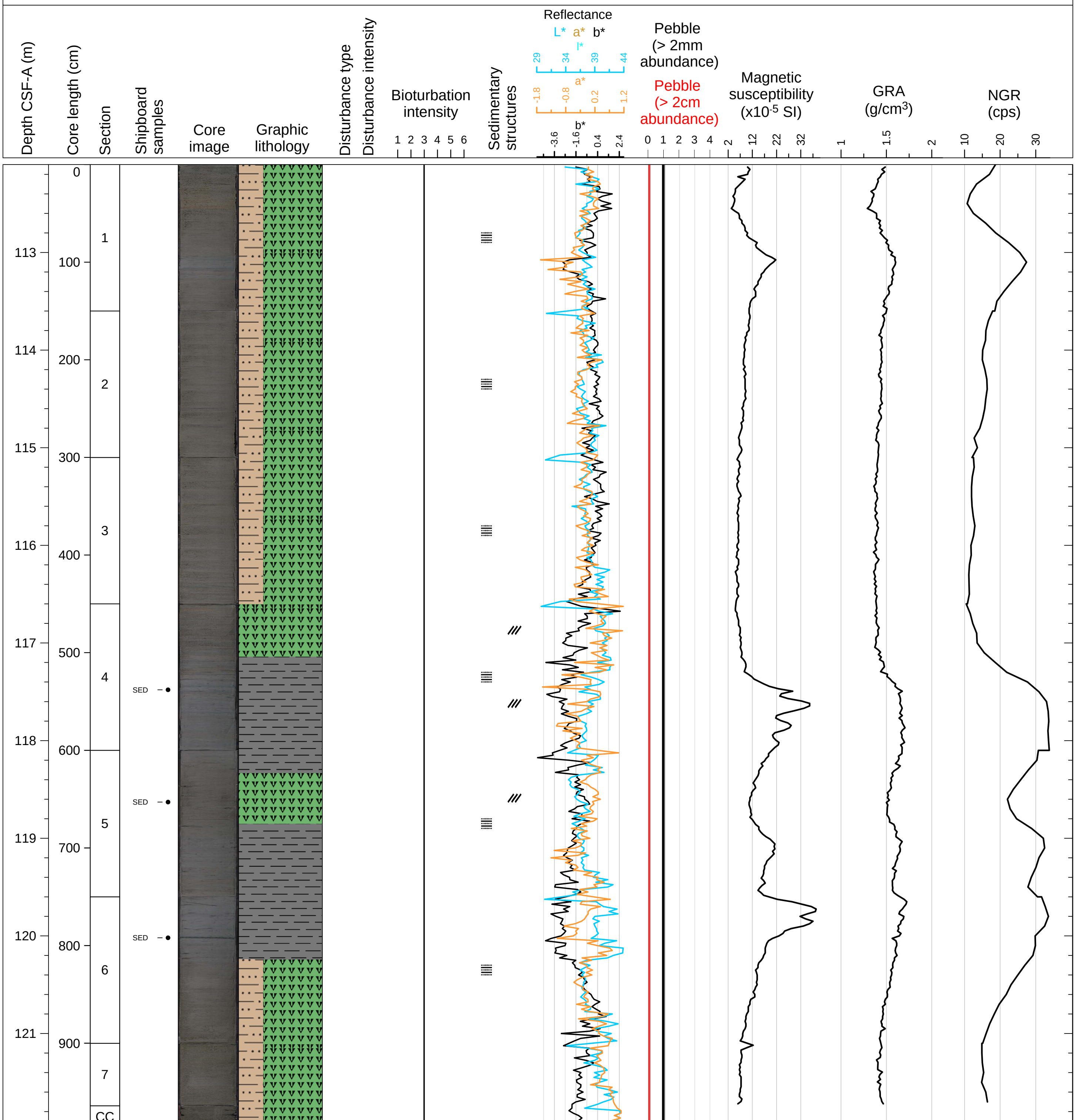
Hole 382-U1536B Core 13H, Interval 102.6-112.6 m (CSF-A)

interbedded dark greenish grey diatom oozes and diatom rich silty clays, IRD was predomenantly present in the silty clay layers and wasidentified via VCD and X-ray slabs



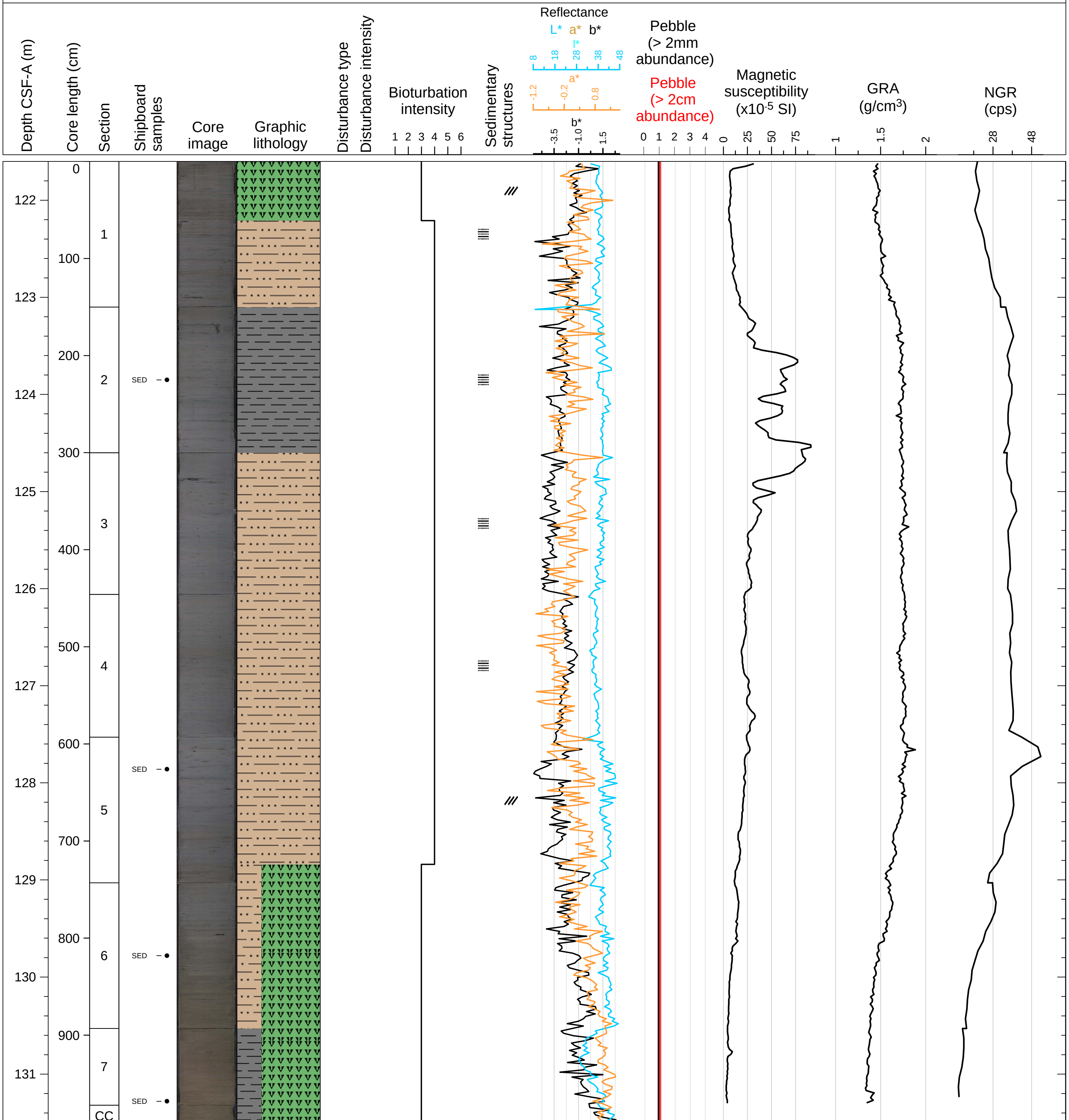
Hole 382-U1536B Core 14H, Interval 112.1-121.96 m (CSF-A)

interbedded very dark greenish grey silty clayey diatom oozes and diatom bearing clay, IRD was identified throughout the core via X-ray slabs



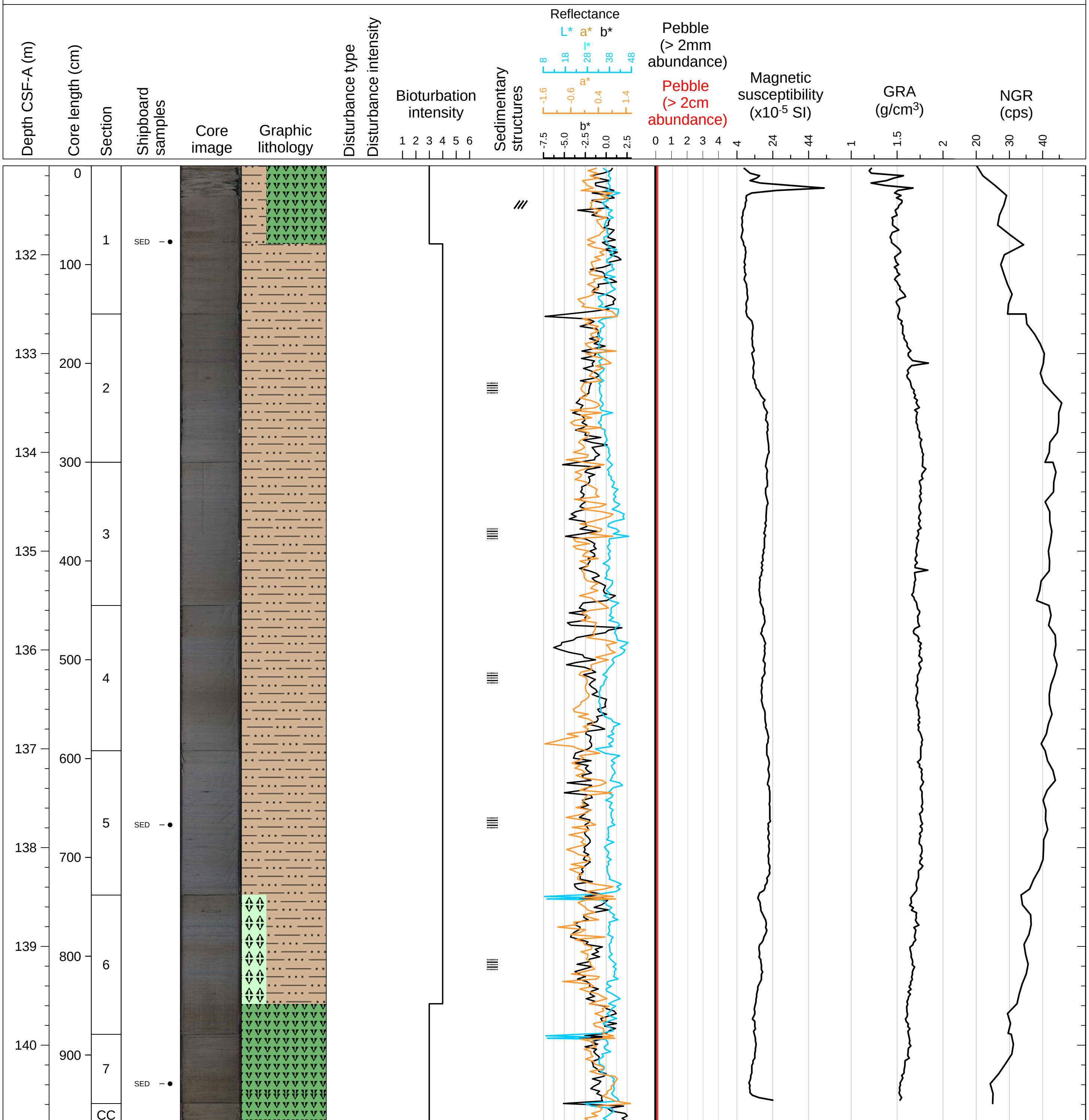
Hole 382-U1536B Core 15H, Interval 121.6-131.54 m (CSF-A)

interbedded dark greenish grey silty clays and very dark greenish grey diatom oozes, IRD was found predominantly, yet not exclusively, in the clay and silty clay intervals



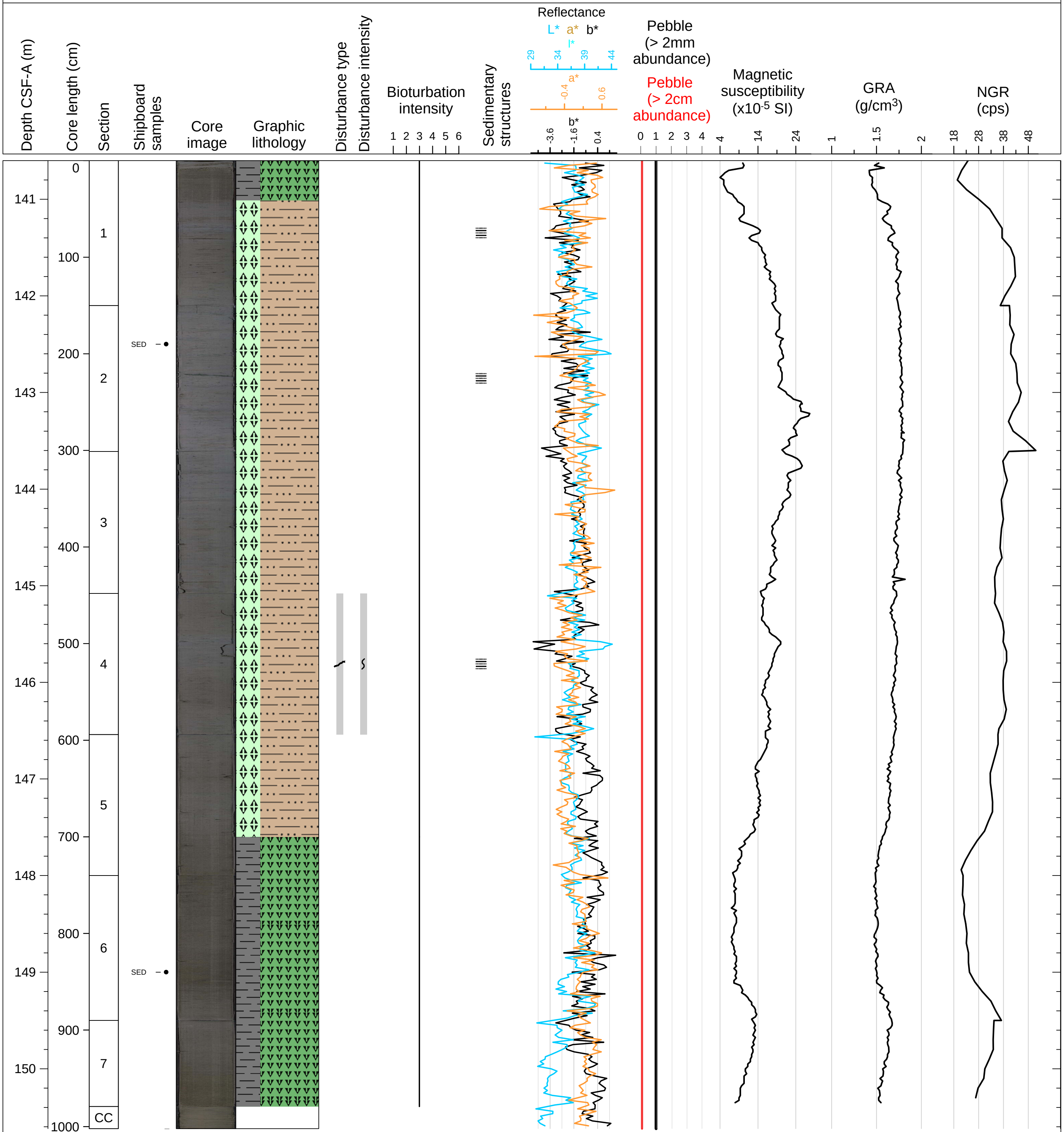
Hole 382-U1536B Core 16H, Interval 131.1-140.83 m (CSF-A)

interbedded dark greenish grey silty clays and very dark greenish grey diatom oozes, IRD was identified throughout the silty caly intervals via VCD and X-ray slabs



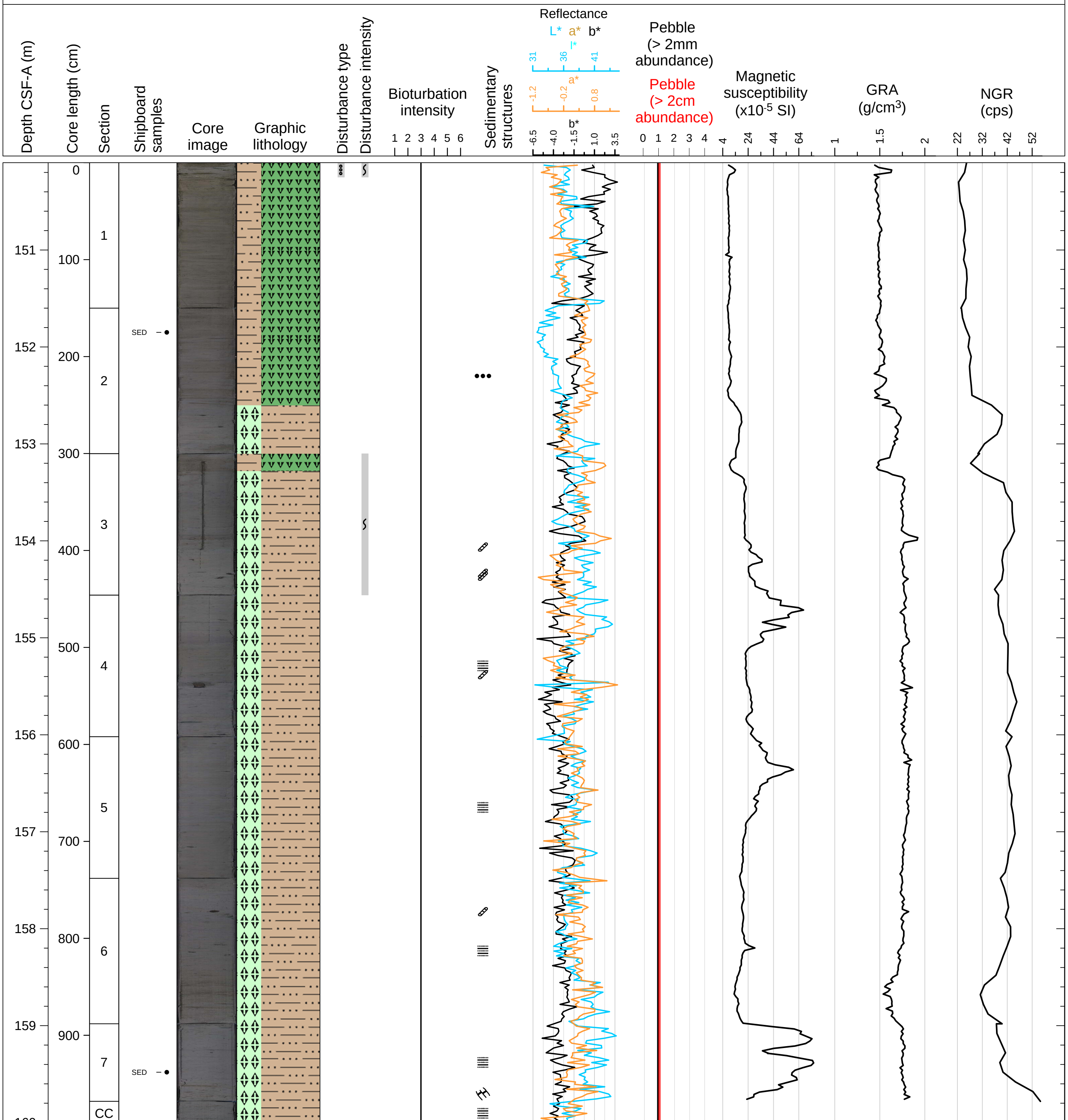
Hole 382-U1536B Core 17H, Interval 140.6-150.62 m (CSF-A)

dark greenish gray biosiliceous bearing silty clay with color banding and greenish gray clay bearing diatom ooze.



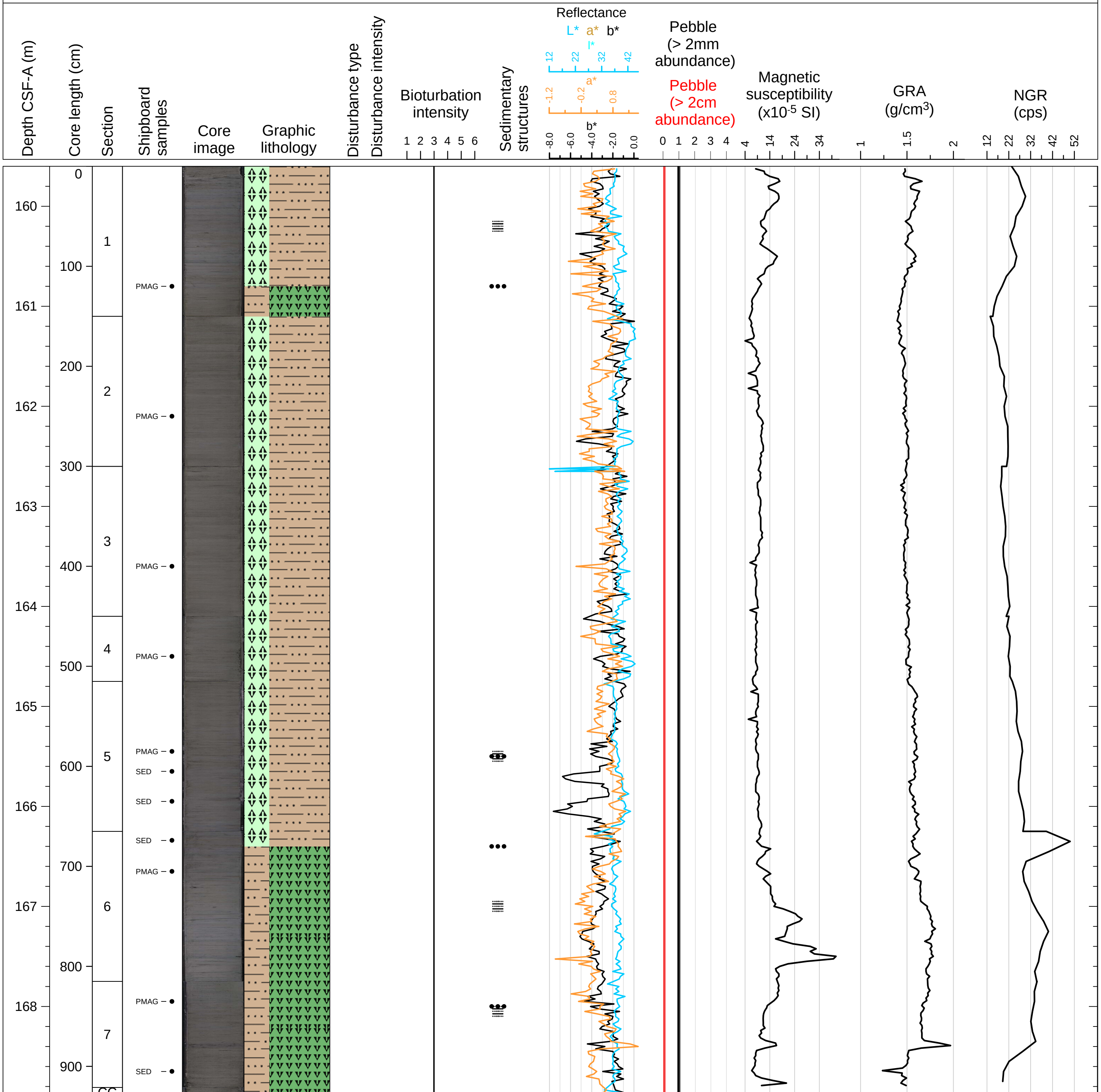
Hole 382-U1536B Core 18H, Interval 150.1-160.03 m (CSF-A)

10GY 5/1 greenish gray biosiliceous rich silty clay and 10Y 4/1 dark greenish gray silty clay bearing diatom ooze. a lot of burrows in Section 3A, 4A.



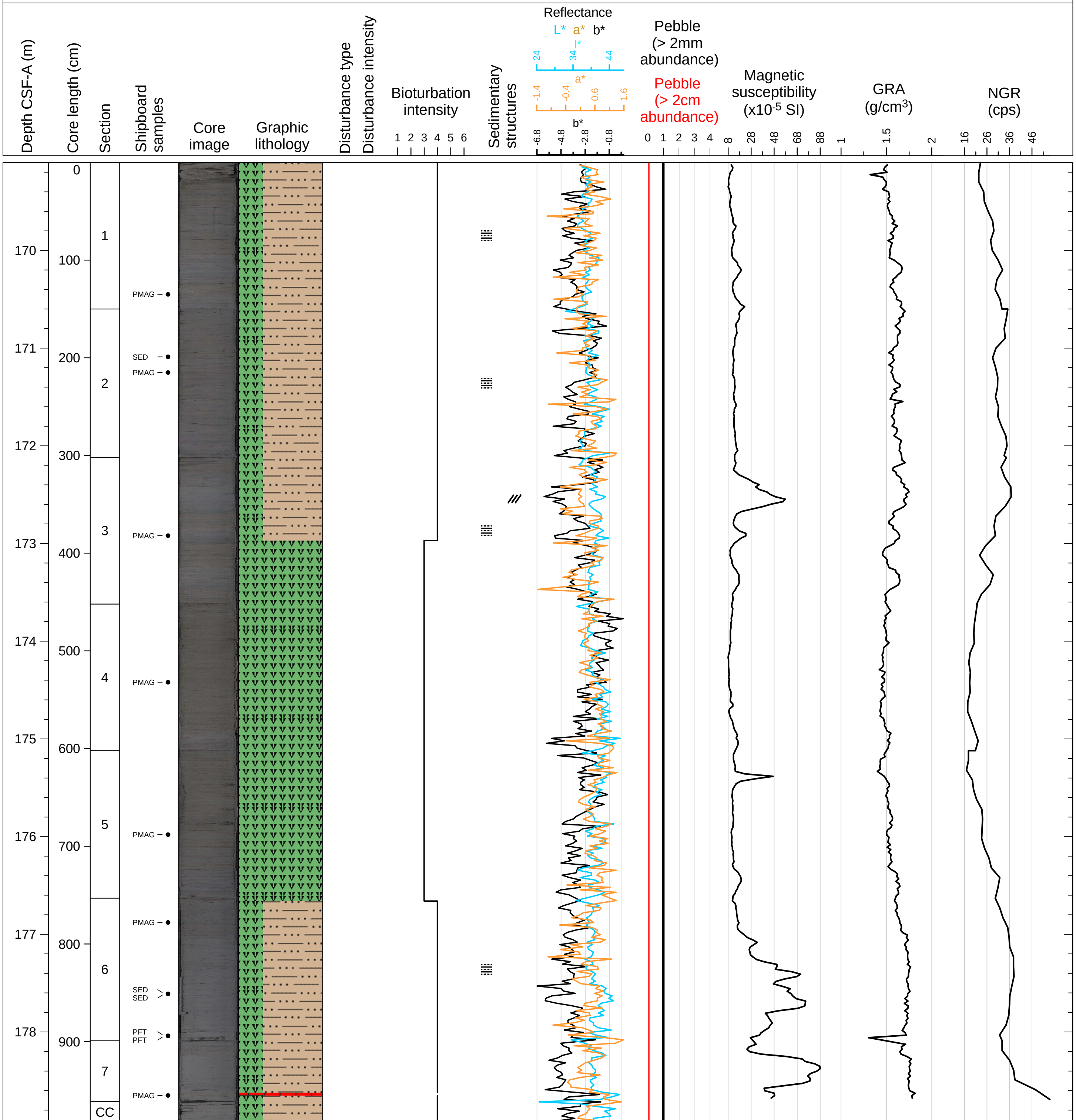
Hole 382-U1536B Core 19H, Interval 159.6-168.91 m (CSF-A)

interbedded dark greenish grey diatom oozes and biosiliceous bearing silty clays; IRD was identified via VCD and X-ray slabs



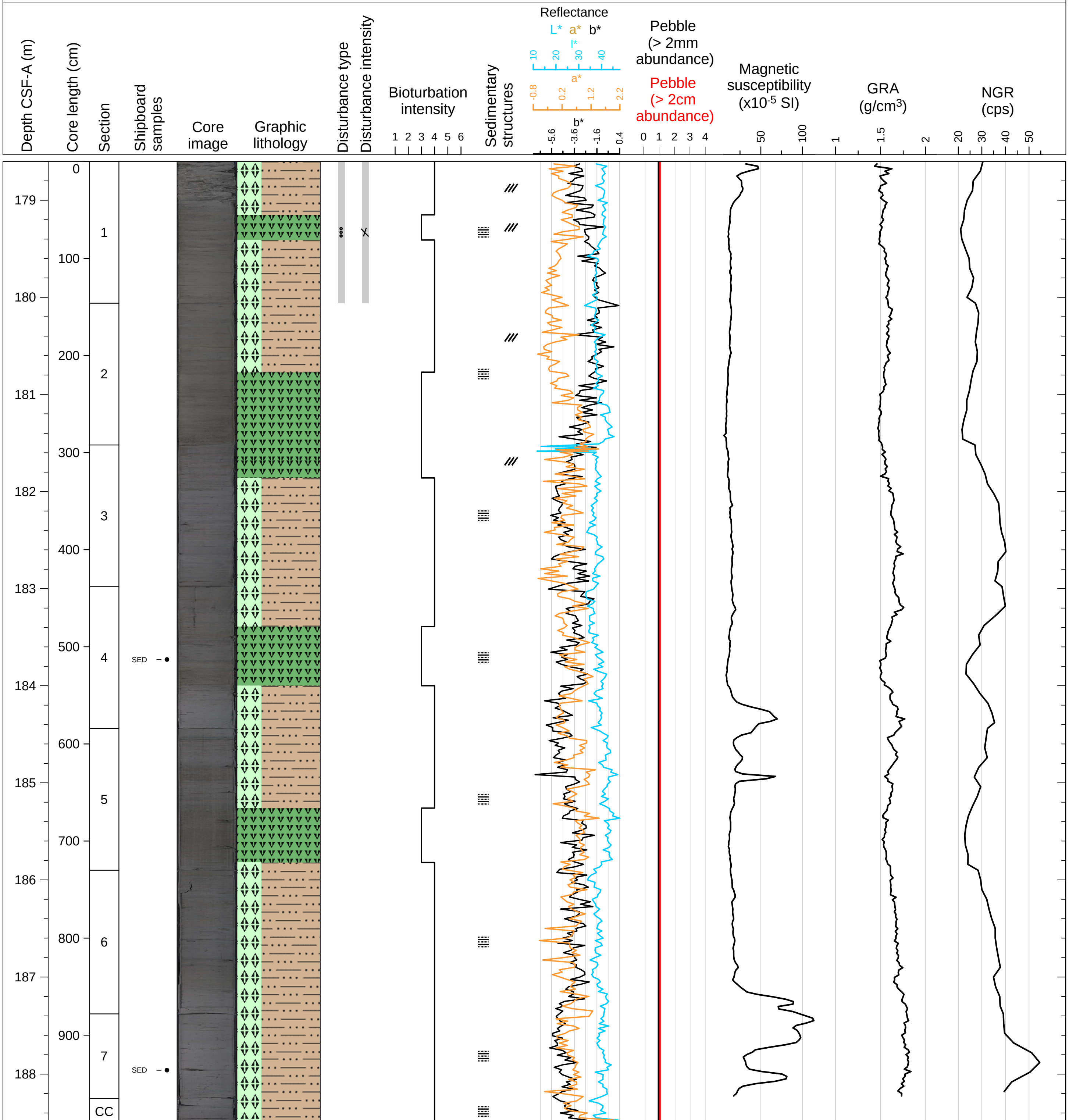
Hole 382-U1536B Core 20H, Interval 169.1-178.93 m (CSF-A)

interbedded dark greenish grey diatom rich/bearing silty clays and very dark greenish grey diatom oozes. IRD was identified via VCD and X-ray slabs. A carbonate rich tephra was described in section 7A (55-57 cm).



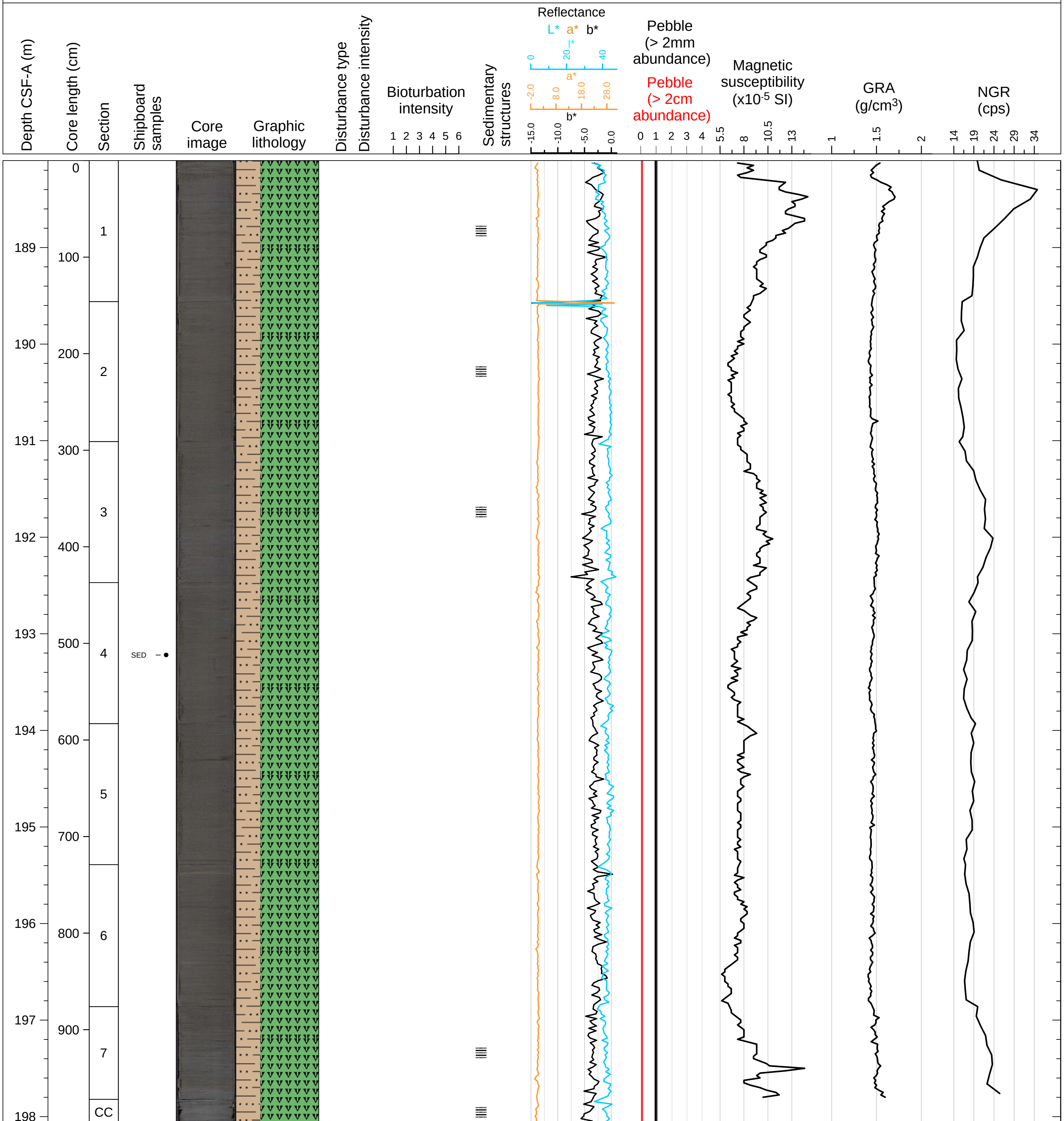
Hole 382-U1536B Core 21H, Interval 178.6-188.52 m (CSF-A)

interbedded dark greenish grey diatom rich silty clays and diatom oozes, IRD was described via VCD and X-radiographs



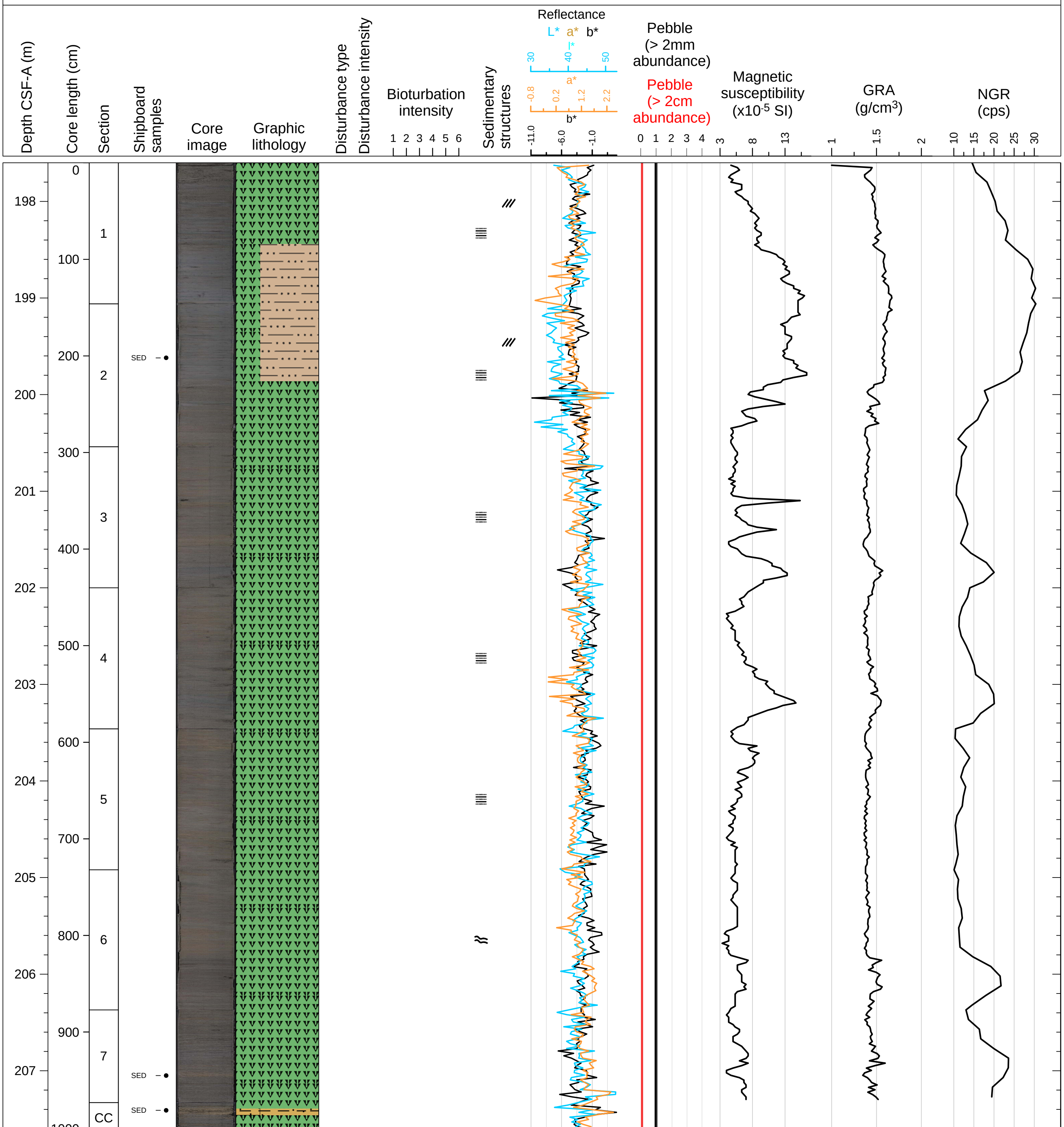
Hole 382-U1536B Core 22H, Interval 188.1-198.09 m (CSF-A)

very dark greenish grey silty clayey diatom ooze, some IRD was identified via x-ray slabs and VCD



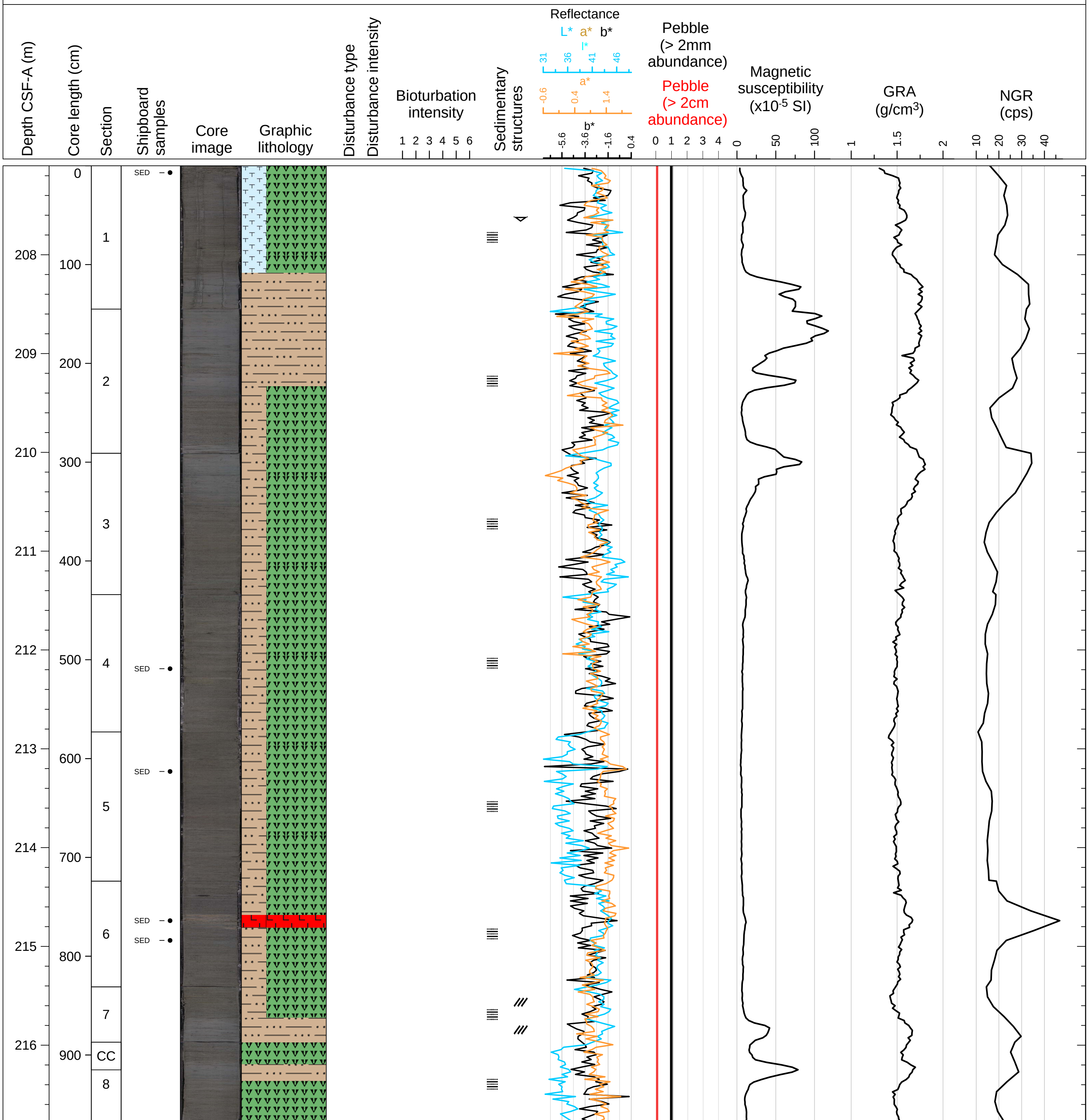
Hole 382-U1536B Core 23H, Interval 197.6-207.65 m (CSF-A)

interbedded dark greenish grey biosiliceous silty clay and colorbanded (7A laminated) very dark greenish grey diatom oozes, CCA (6-13 cm) foram bearing, diatom bearing silty clay (MIS 31)



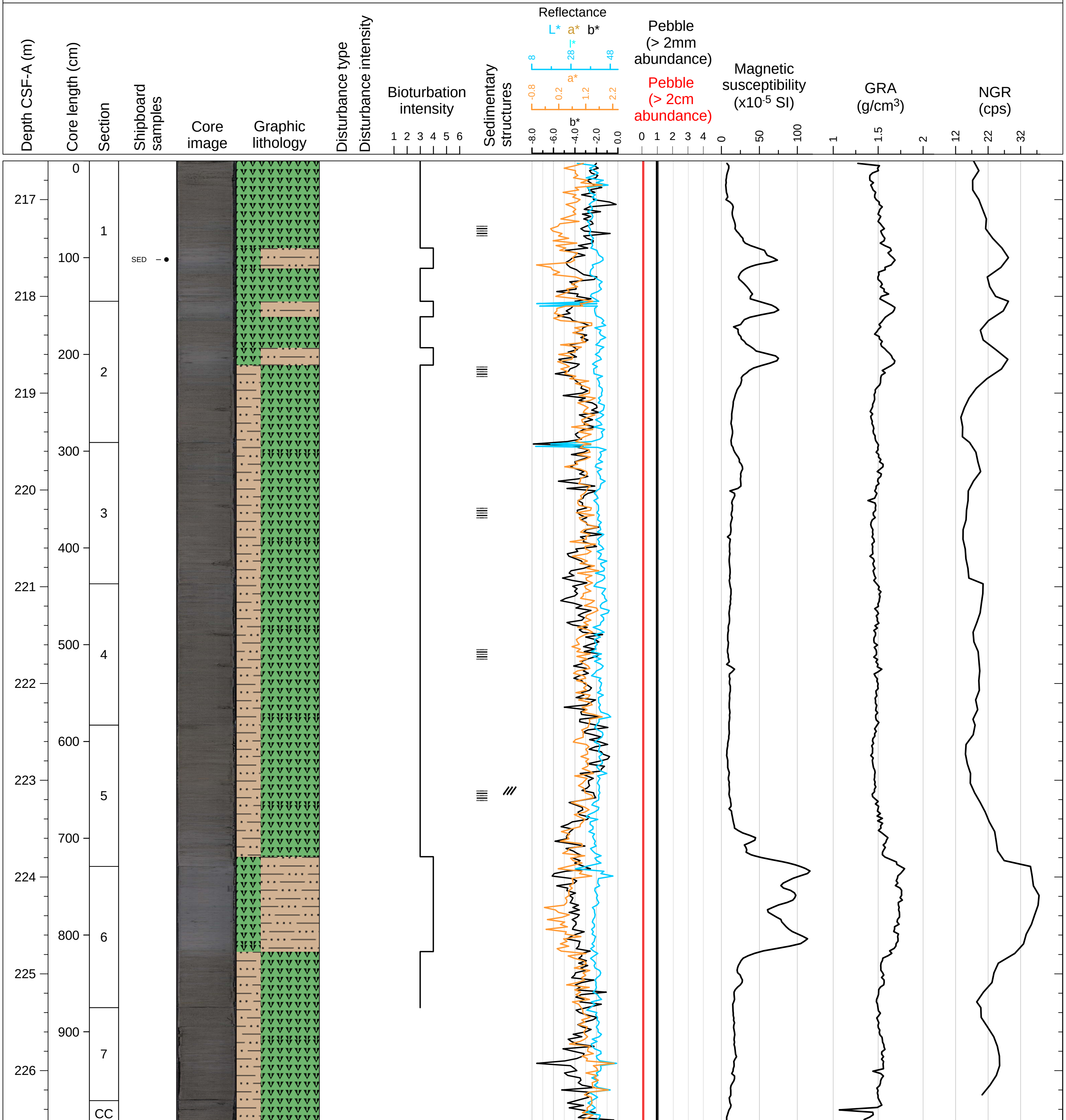
Hole 382-U1536B Core 24H, Interval 207.1-216.82 m (CSF-A)

interbedded dark grey silty clau and very dark greenish diatom ooze, IRD was identified via VCS and X-ray slabs, carbonate rich tephra in section 6 (34-45 cm)



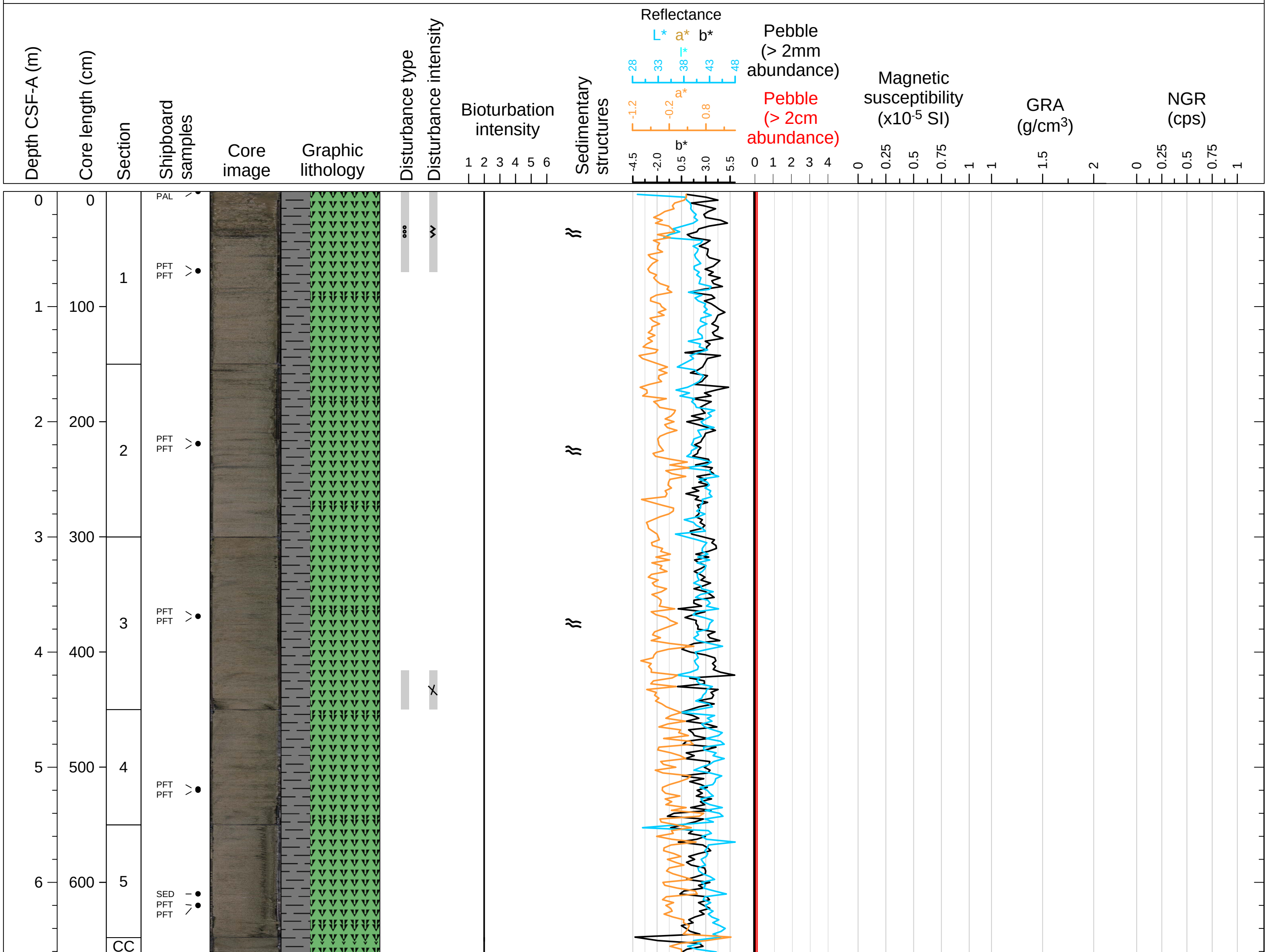
Hole 382-U1536B Core 25H, Interval 216.6-226.58 m (CSF-A)

interbedded dark greenish grey diatom rich silty clay and very dark greenish grey diatom oozes, IRD was decribed via VCD and X-ray slabs



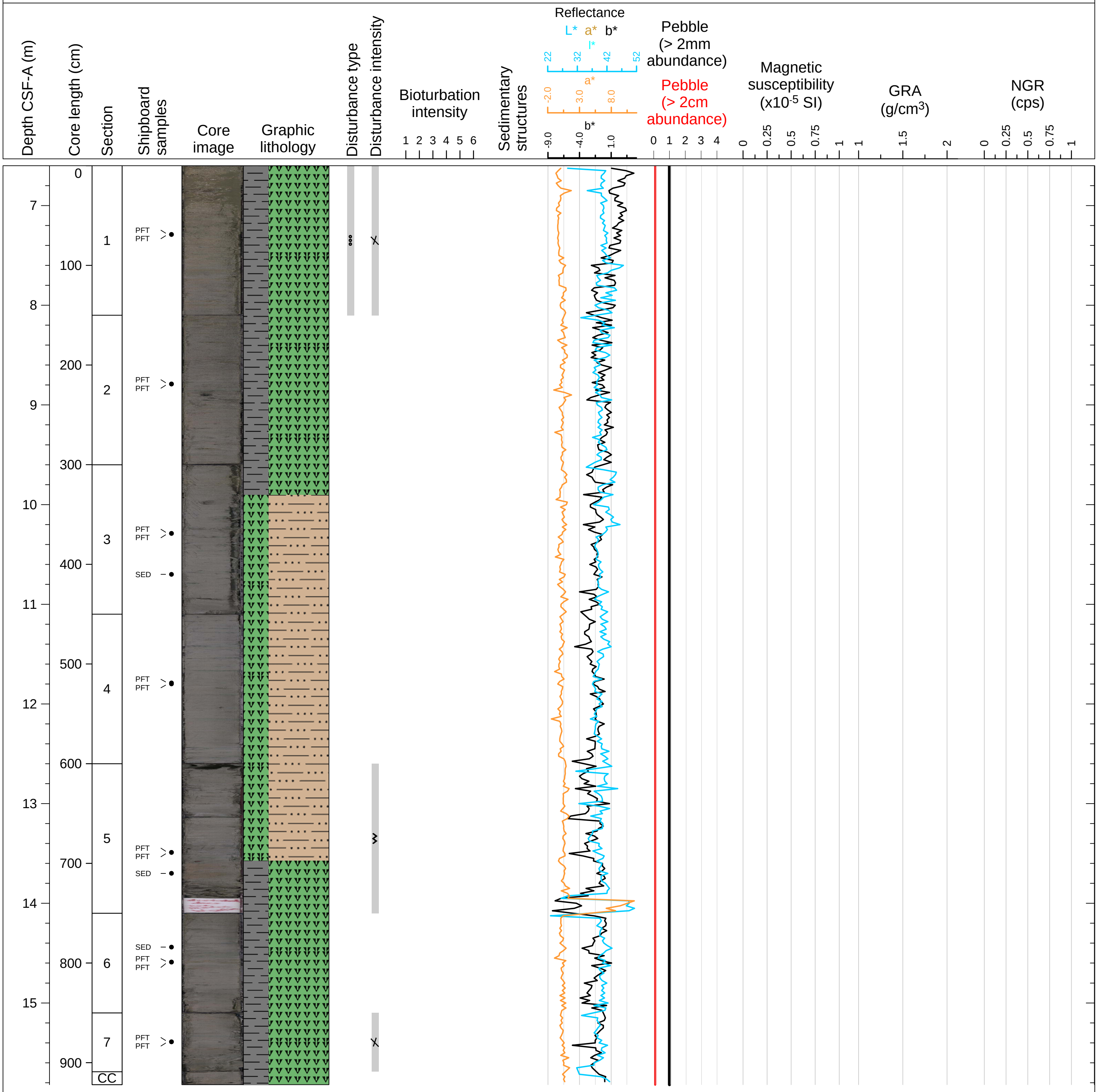
Hole 382-U1536C Core 1H, Interval 0.0-6.63 m (CSF-A)

5GY 4/1 dark greenish gray clay bearing diatom ooze with some laminations.



Hole 382-U1536C Core 2H, Interval 6.6-15.82 m (CSF-A)

dark greenish grey clay bearing diatom ooze and diatom bearing silty clay. Some thin interbeds were present in Section 5. IRD was identified via VCD and X-ray slabs 5A 134-150 cm missing in the A-half. VCD performed on the W-half.



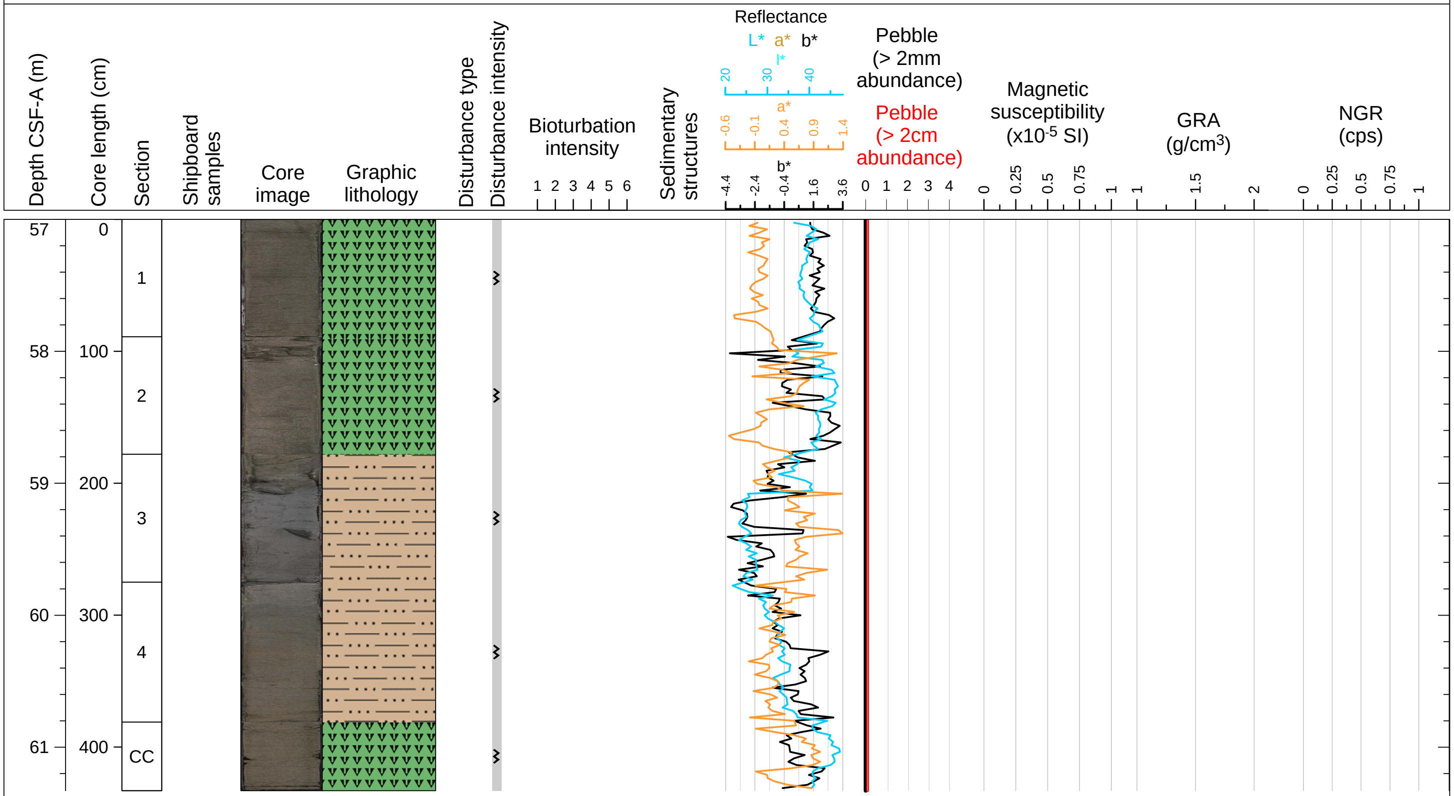
Hole 382-U1536C Core 31, Interval 16.1-16.1 m (CSF-A)

DRILLED INTERVAL

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Disturbance type	Disturbance intensity	Bioturbation intensity	Sedimentary structures	Reflectance L* a* b*	Pebble (> 2mm abundance) / Pebble (> 2cm abundance)	Magnetic susceptibility (x10^{-5} SI)	GRA (g/cm^3)	NGR (cps)

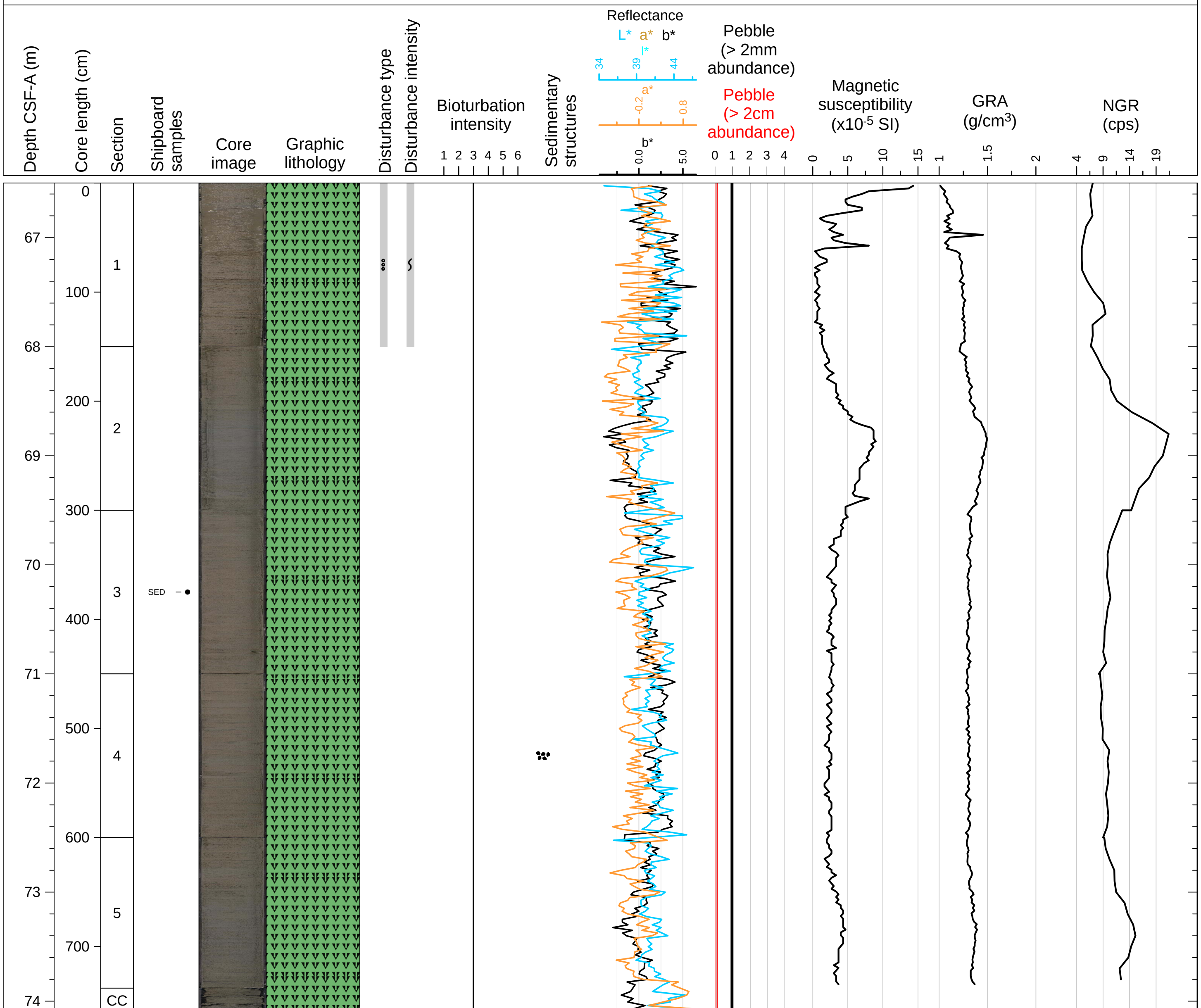
Hole 382-U1536C Core 4H, Interval 57.0-61.33 m (CSF-A)

interbedded silty clays and diatom oozes. Liner was completely shattered and deformed.



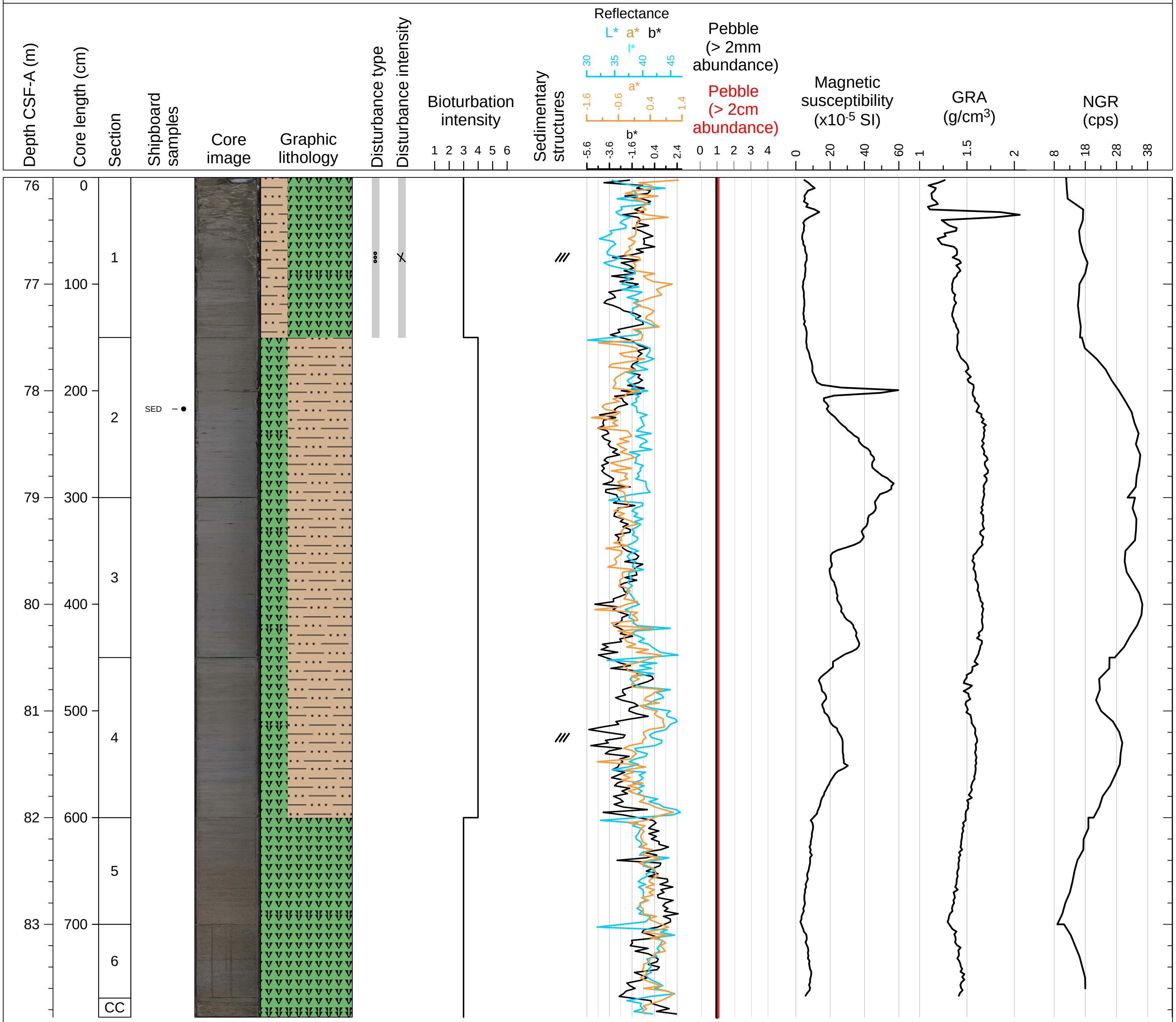
Hole 382-U1536C Core 5H, Interval 66.5-74.11 m (CSF-A)

dark greenish grey diatom ooze, rare IRD was identified via VCD and X-ray slabs



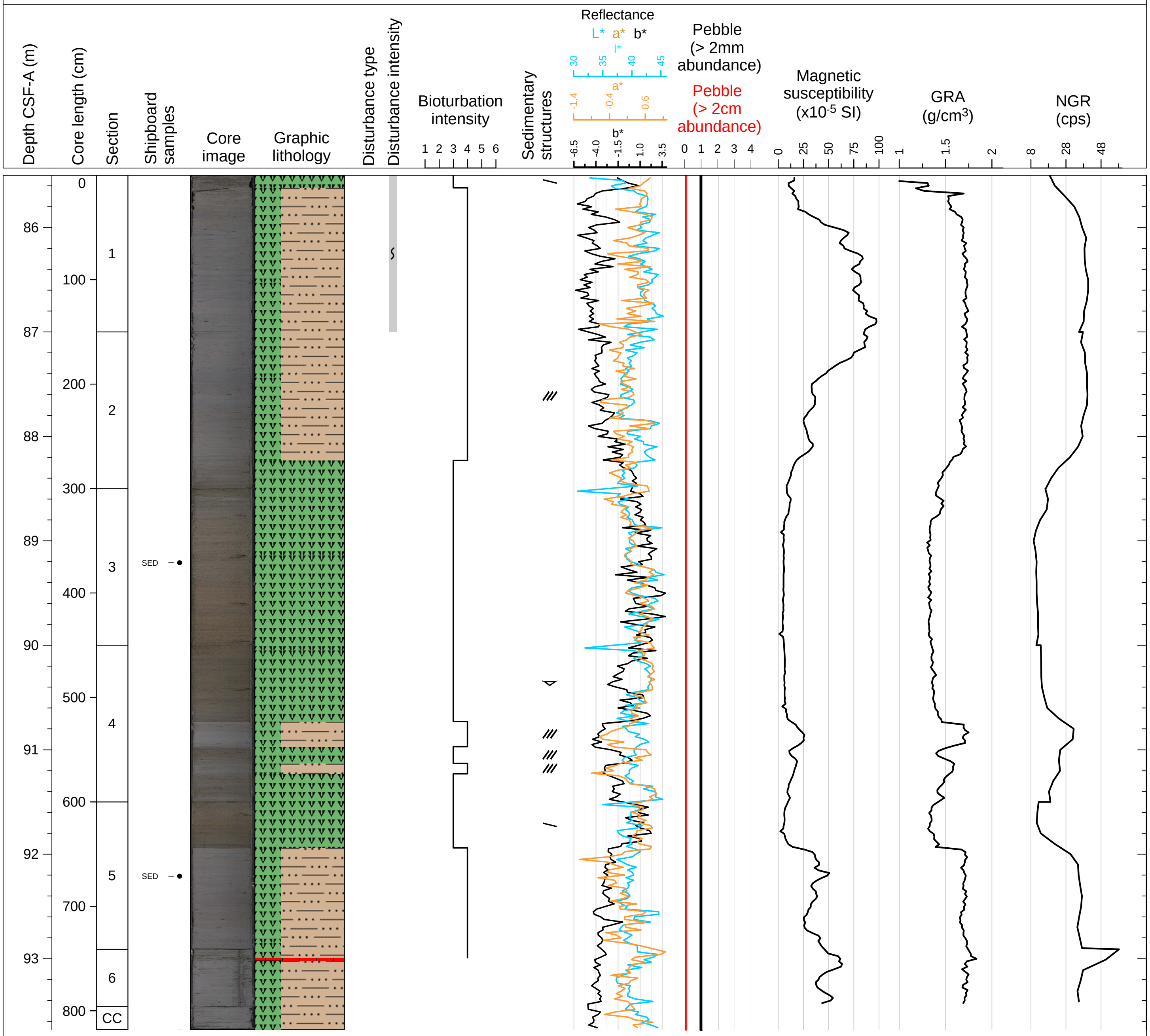
Hole 382-U1536C Core 6H, Interval 76.0-83.87 m (CSF-A)

interbedded dark greenish grey diatom bearingsilty clays and very dark greenish grey diatom oozes, IRD was identified via VCD and X-ray slabs



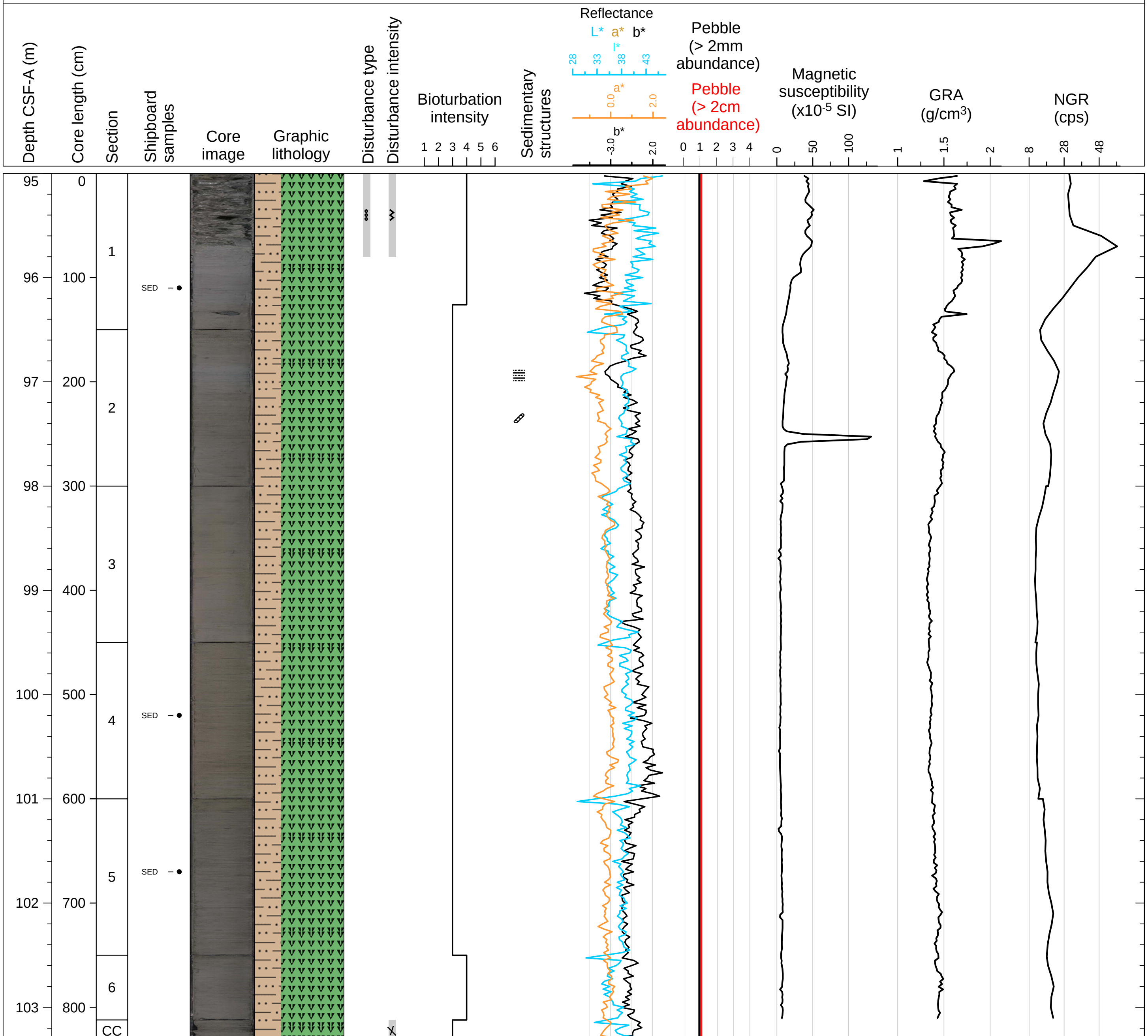
Hole 382-U1536C Core 7H, Interval 85.5-93.68 m (CSF-A)

interbedded dark greenish grey diatom bearing silty clays and diatom oozes, carbonate rich tephra in 6A (8-11 cm)



Hole 382-U1536C Core 8H, Interval 95.0-103.33 m (CSF-A)

Dominantly 10Y 4/1 dark greenish gray silty clay bearing diatom ooze, with shorter intervals of 10GY 5/1 greenish gray silty clay rich diatom ooze.



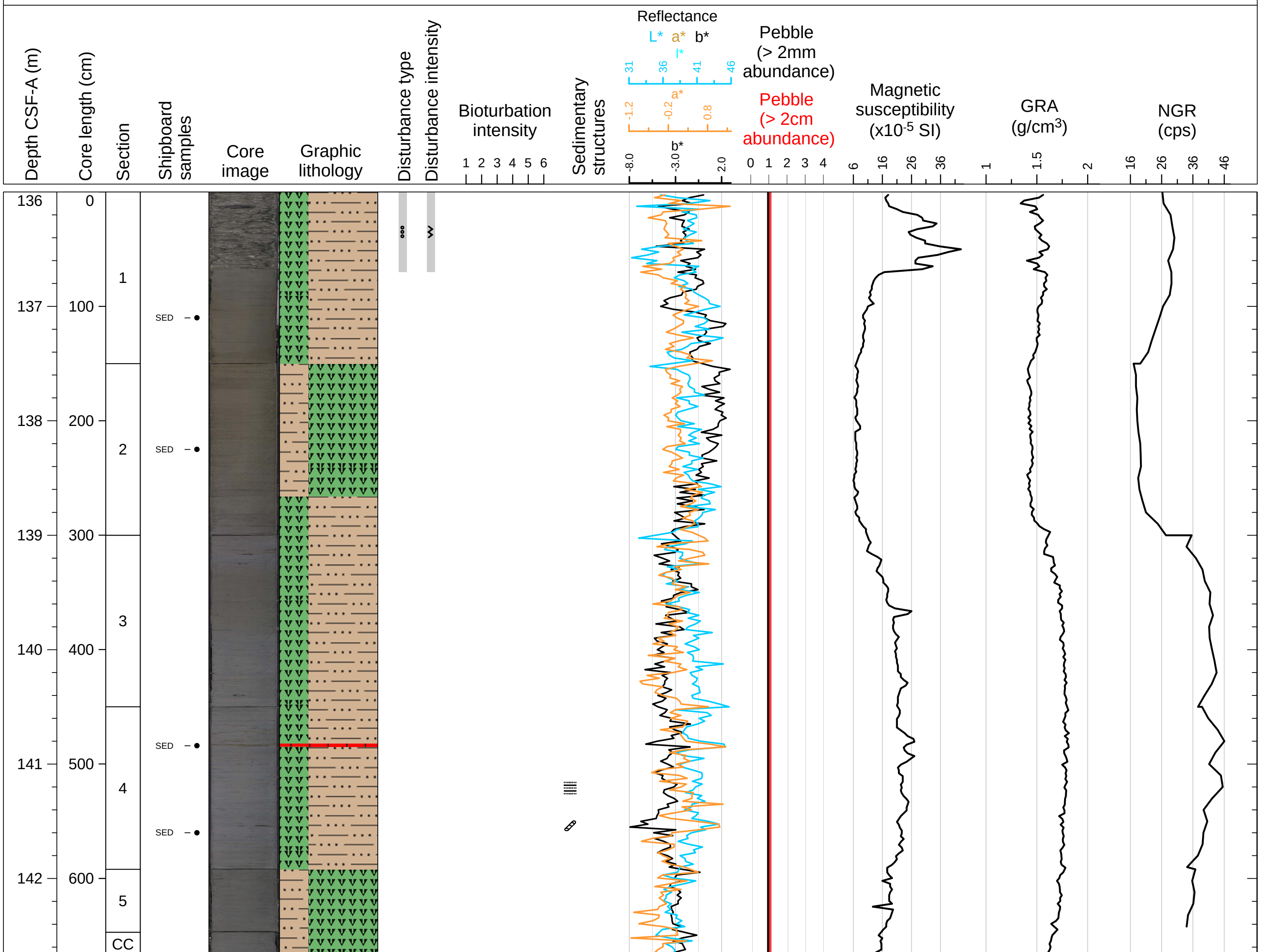
Hole 382-U1536C Core 91, Interval 104.5-136.0 m (CSF-A)

DRILLED INTERVAL

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Disturbance type	Disturbance intensity	Bioturbation intensity (1 2 3 4 5 6)	Sedimentary structures	Reflectance L* a* b*	Pebble (> 2mm abundance) / Pebble (> 2cm abundance) (0 1 2 3 4)	Magnetic susceptibility ($x10^{-5}$ SI)	GRA (g/cm^3)	NGR (cps)

Hole 382-U1536C Core 10H, Interval 136.0-142.68 m (CSF-A)

diatom bearing silty clay and silty clay bearing diatom ooze. carbonate- rich devitrified tephra in Section 4A(34cm).



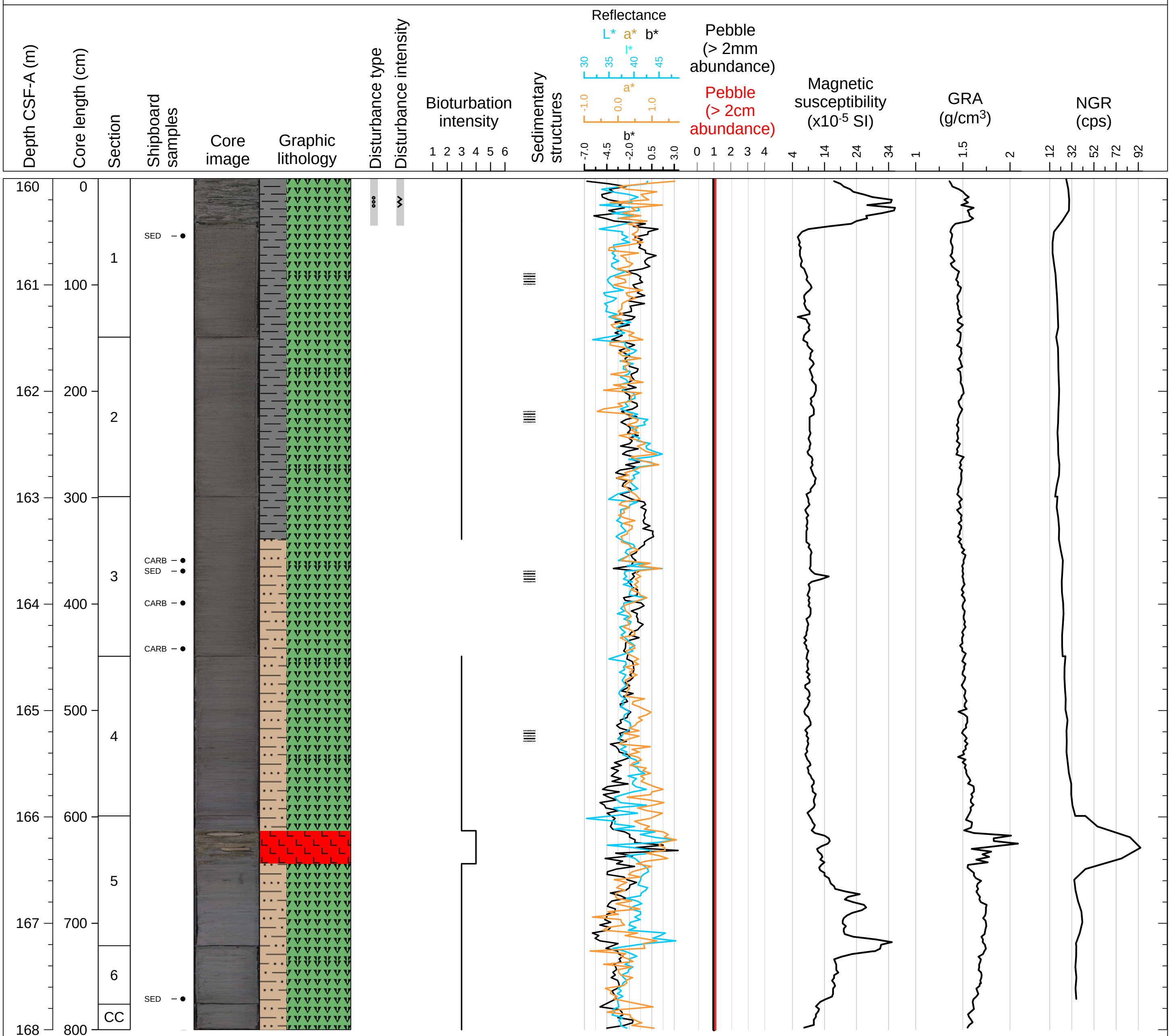
Hole 382-U1536C Core 111, Interval 145.5-160.0 m (CSF-A)

DRILLED INTERVAL

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Disturbance type	Disturbance intensity	Bioturbation intensity (1 2 3 4 5 6)	Sedimentary structures	Reflectance L* a* b* (L*: 0 0 1 1 1; a*: 0.0 0.3 0.5 0.8 1.0; b*: 0.0 0.3 0.5 0.8 1.0)	Pebble (> 2mm abundance) Pebble (> 2cm abundance) (0 1 2 3 4)	Magnetic susceptibility ($x10^{-5}$ SI) (0 0.25 0.5 0.75 1)	GRA (g/cm^3) (1 1.5 2)	NGR (cps) (0 0.25 0.5 0.75 1)

Hole 382-U1536C Core 12H, Interval 160.0-168.0 m (CSF-A)

silty clay rich diatom ooze and clay bearing diatom ooze. tephra layer in Section 5A.



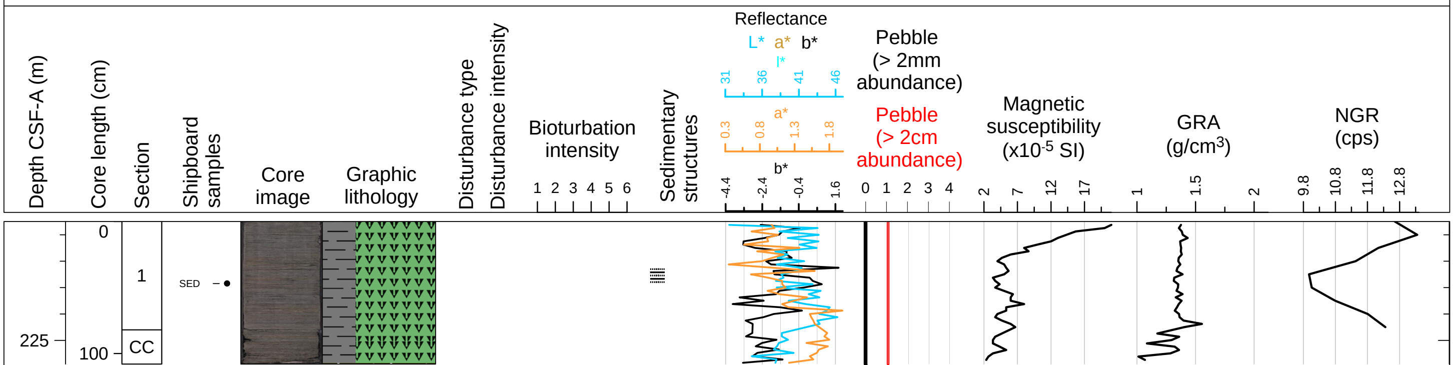
Hole 382-U1536C Core 131, Interval 174.5-189.0 m (CSF-A)

DRILLED INTERVAL

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Disturbance type	Disturbance intensity	Bioturbation intensity	Sedimentary structures	Reflectance L* a* b*	Pebble (> 2mm abundance) Pebble (> 2cm abundance)	Magnetic susceptibility ($x10^{-5}$ SI)	GRA (g/cm^3)	NGR (cps)

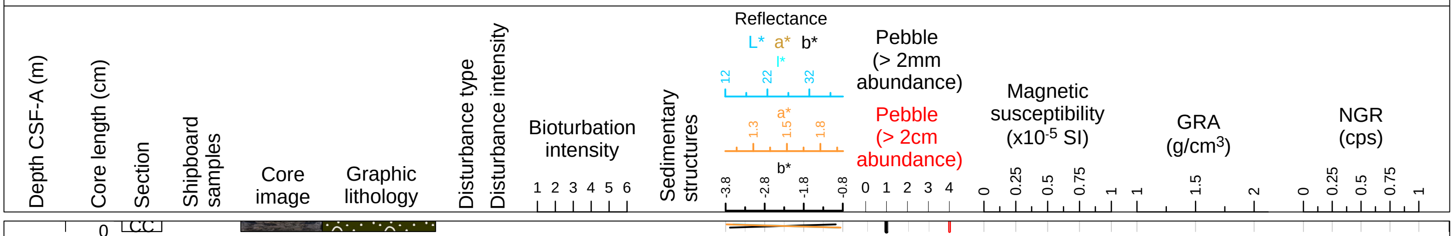
Hole 382-U1536C Core 14H, Interval 224.1-225.18 m (CSF-A)

dark greyish green (laminated) diatom ooze. Gravel layer at the base of CC A



Hole 382-U1536C Core 15F, Interval 225.2-225.28 m (CSF-A)

unsorted gravel



Hole 382-U1536C Core 161, Interval 225.3-226.8 m (CSF-A)

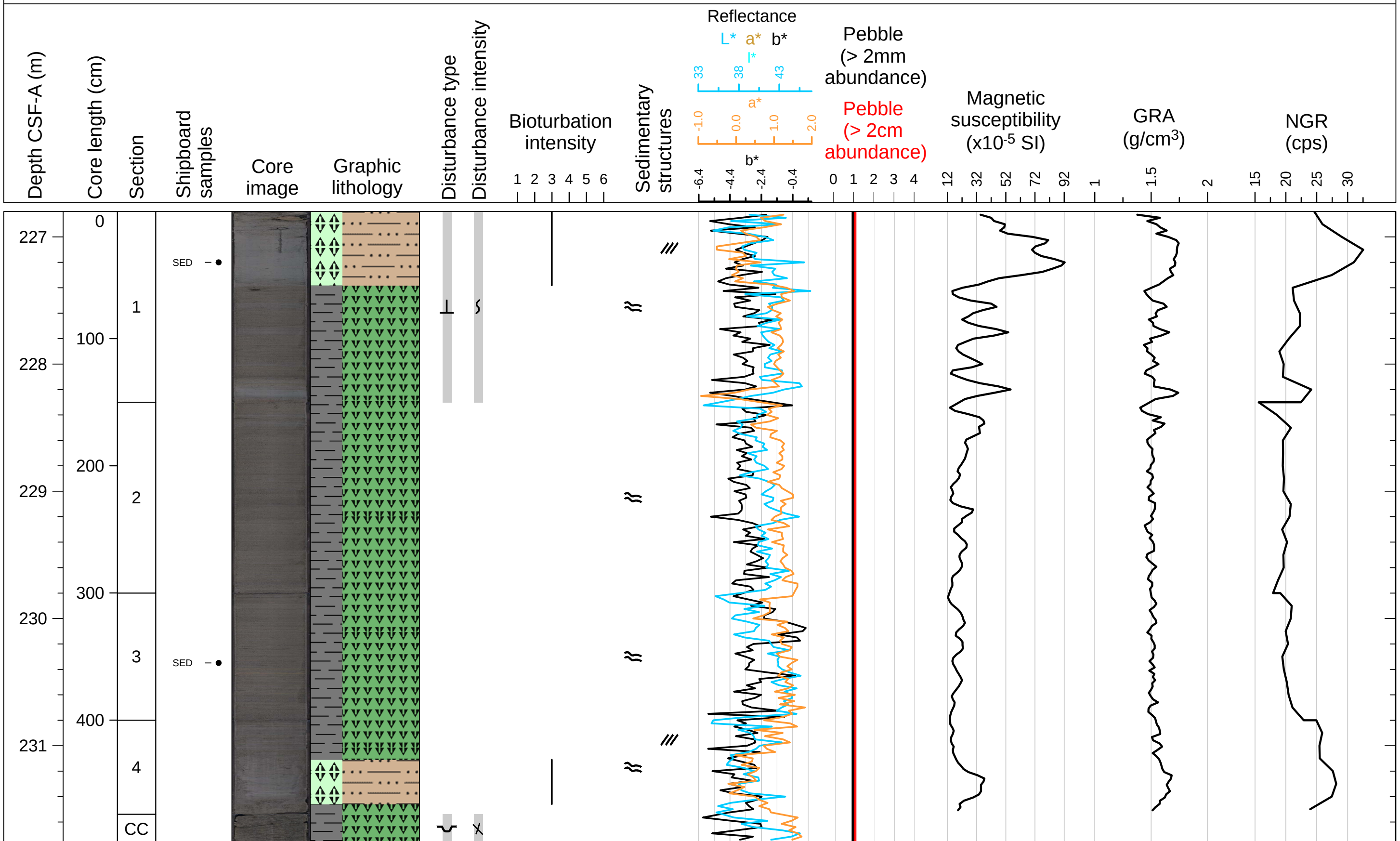
DRILLED INTERVAL

Depth CSF-A (m) | Core length (cm) | Section | Shipboard samples | Core image | Graphic lithology | Disturbance type | Disturbance intensity | Bioturbation intensity 1 2 3 4 5 6 | Sedimentary structures | Reflectance L* a* b* | Pebble (> 2mm abundance) Pebble (> 2cm abundance) 0 1 2 3 4 | Magnetic susceptibility ($x10^{-5}$ SI) | GRA (g/cm^3) | NGR (cps)

0

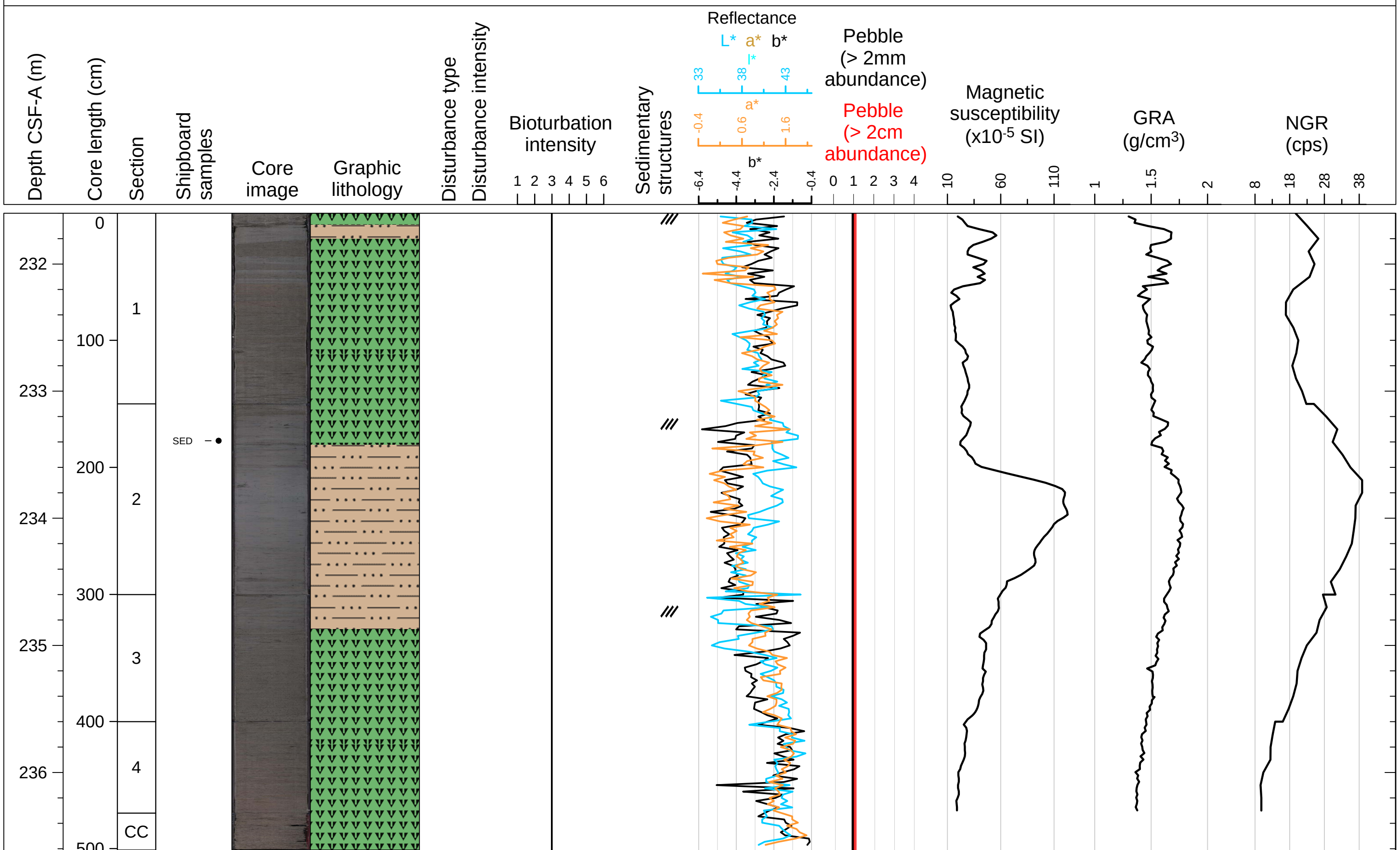
Hole 382-U1536C Core 17F, Interval 226.8-231.77 m (CSF-A)

interbedded dark greenish grey biosliceous rich silty clays and very dark greenish grey laminated clayey diatom oozes, IRD was identified throughout the core (predominantly but not exclusively in the silty clay) via VCD and X-ray slabs



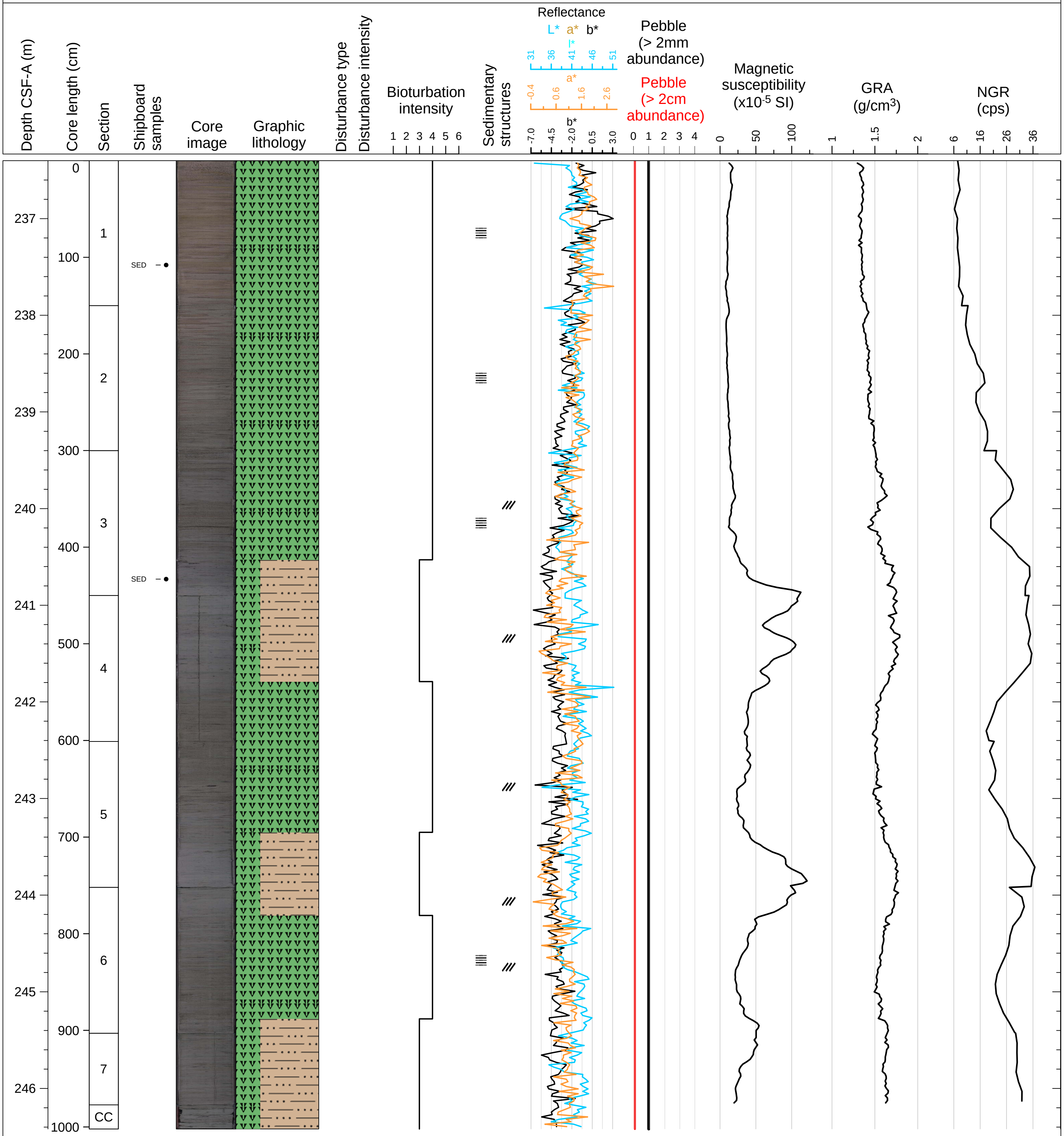
Hole 382-U1536C Core 18F, Interval 231.6-236.61 m (CSF-A)

interbedded dark greenish grey biosilicate rich clays and very dark greenish grey diatom oozes, IRD was identified via VCD and X-ray slabs



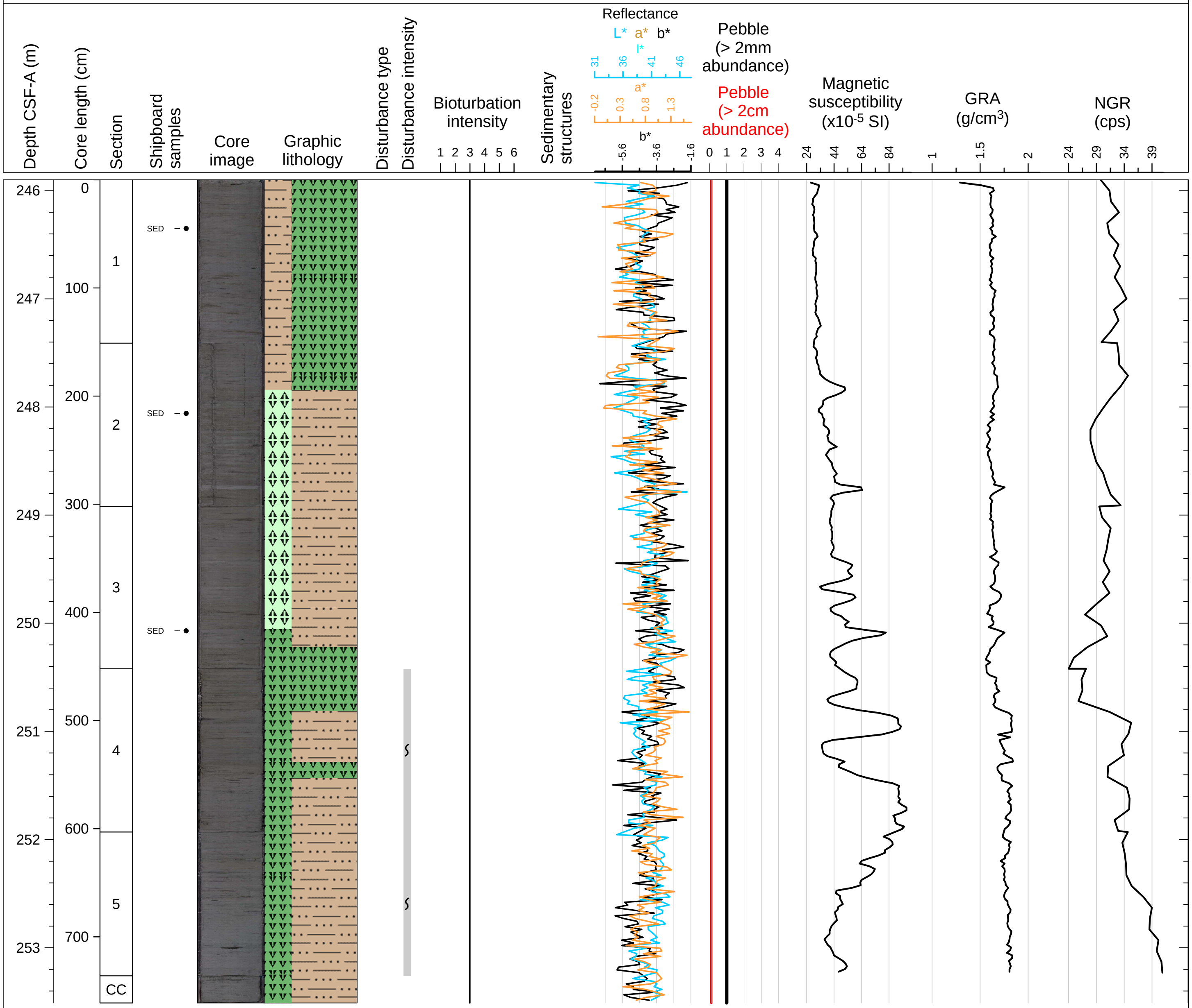
Hole 382-U1536C Core 19H, Interval 236.4-246.42 m (CSF-A)

interbedded dark greenish grey diatom bearing silty clays and very dark greenish grey diatom oozes, IRD was identified via VCD and X-ray slabs



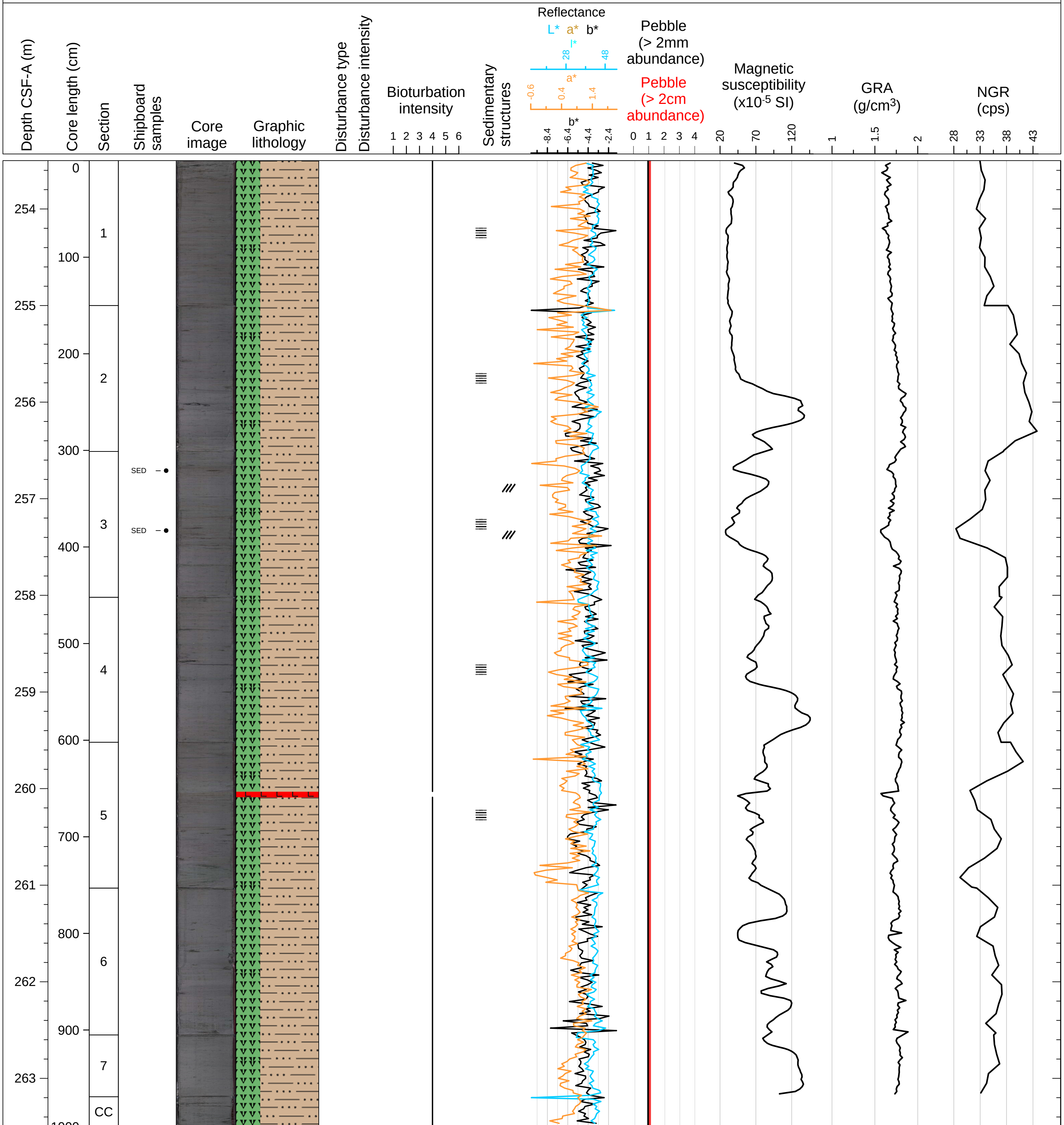
Hole 382-U1536C Core 20H, Interval 245.9-253.51 m (CSF-A)

interbedded dark greenish grey diatom rich/biosiliceous rich silty clays and silty clay rich diatom oozes, IRD was identified in the silty clay intervals via VCD and X-ray slabs



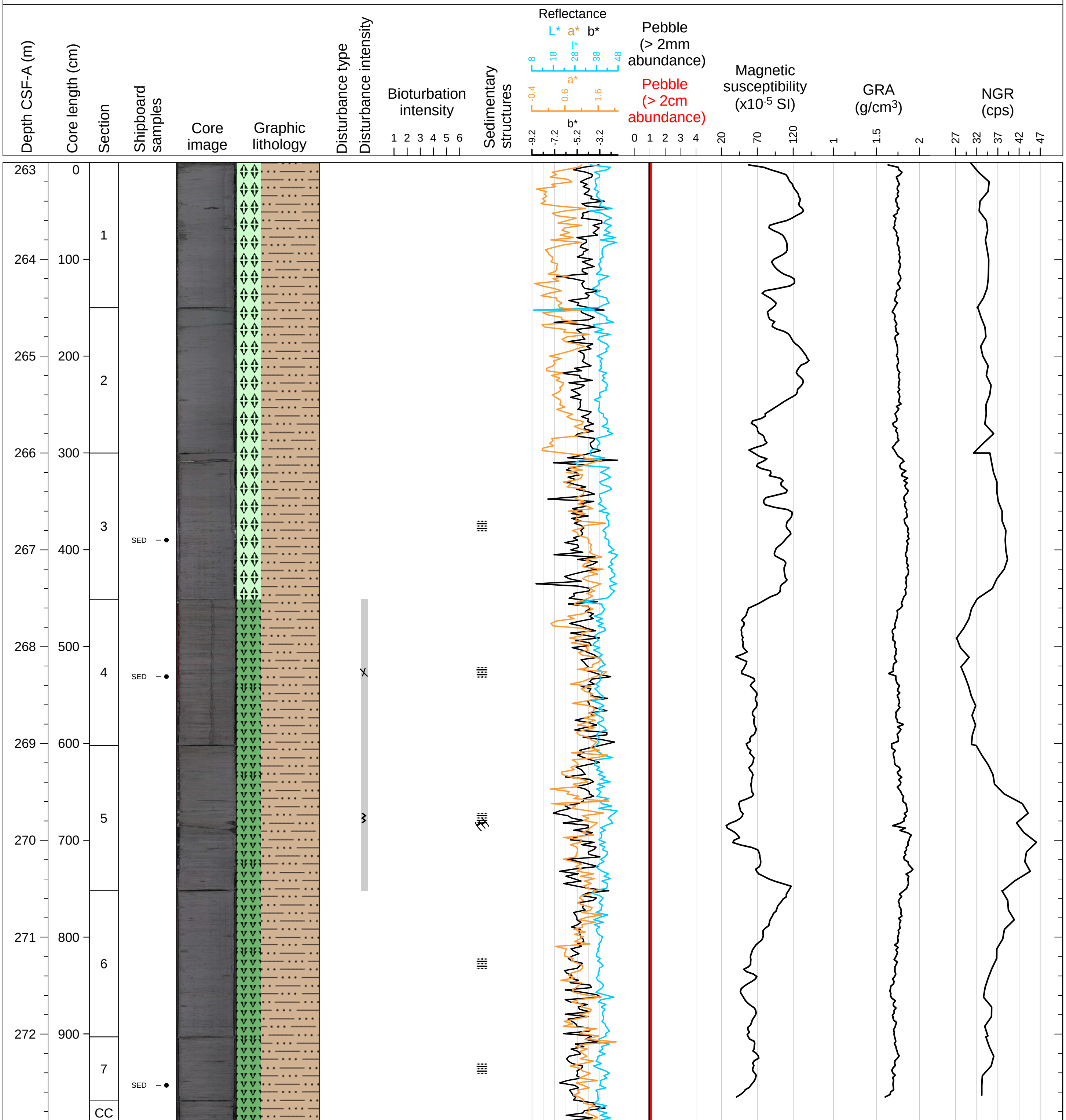
Hole 382-U1536C Core 21H, Interval 253.5-263.5 m (CSF-A)

dark greenish grey diatom rich silty clay, several dropstones were identified via VCD and X-ray slabs, Tephra layer in 5A (51-57 cm)



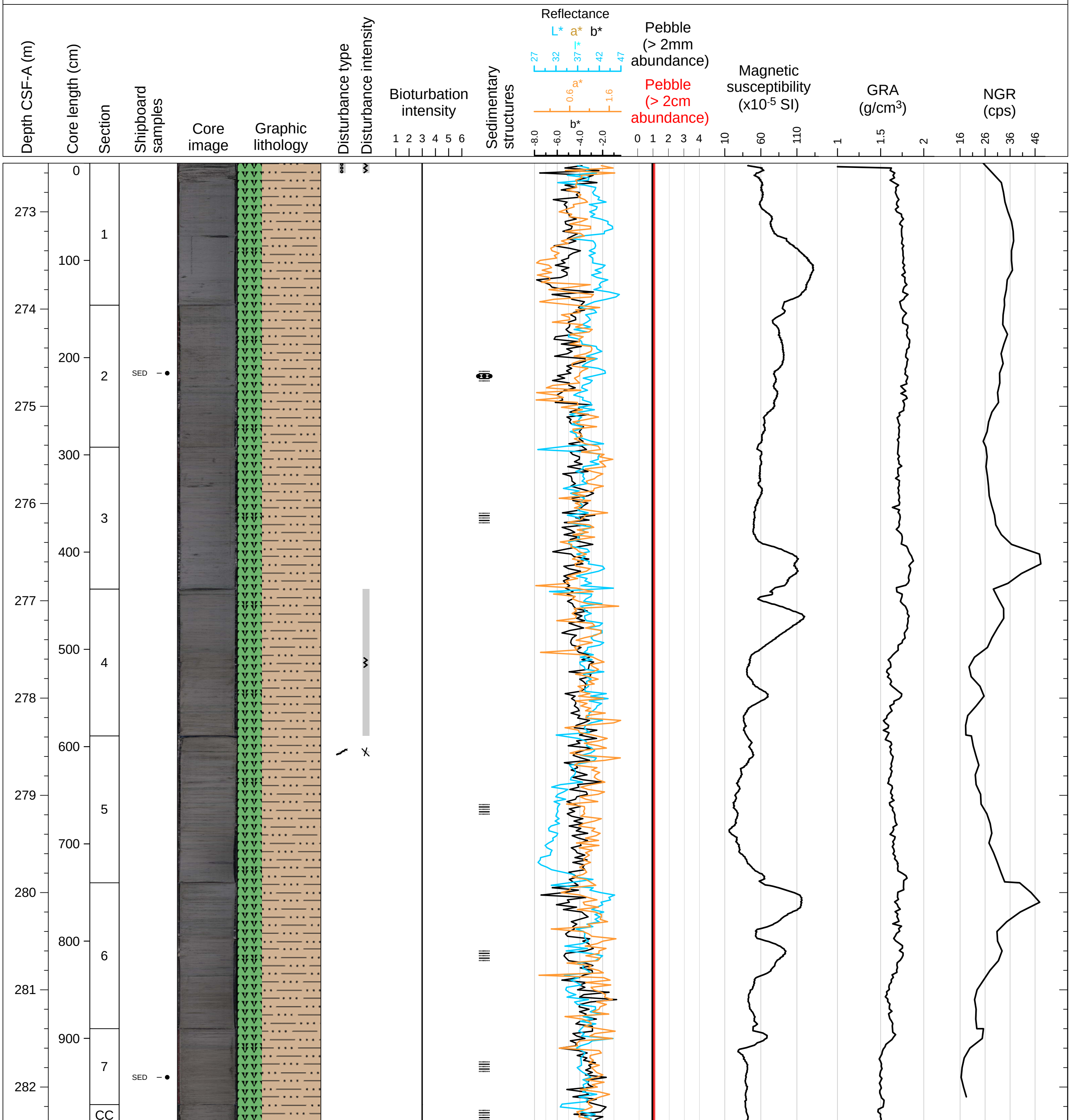
Hole 382-U1536C Core 22H, Interval 263.0-272.94 m (CSF-A)

5GY 5/1 greenish gray biosiliceous bearing silty clay and 5GY 5/1 greenish gray diatom rich silty clay. Dropstone layer at the top of Section 2. Smaller dropstones throughout.



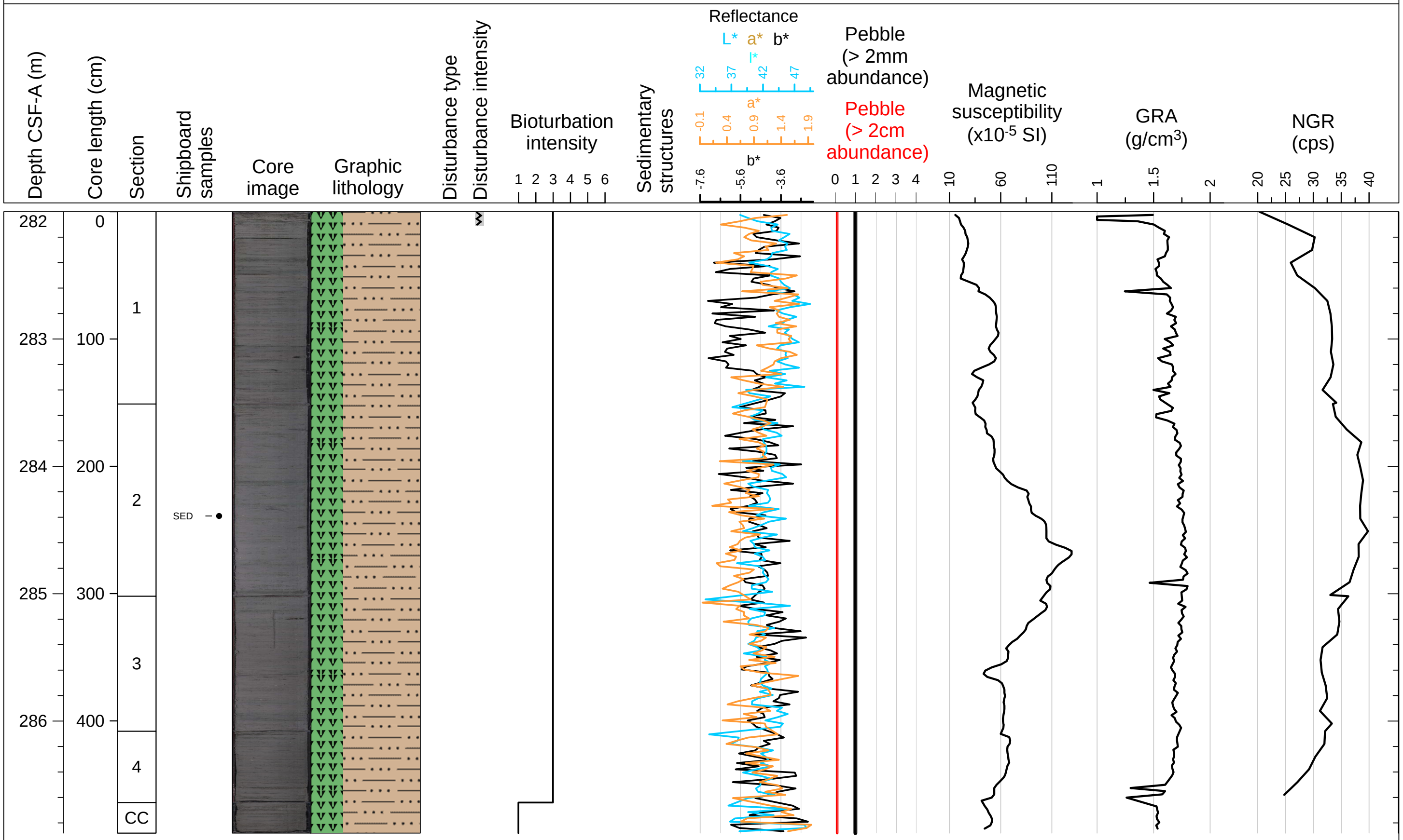
Hole 382-U1536C Core 23H, Interval 272.5-282.4 m (CSF-A)

diatom rich silty clay with color banding.



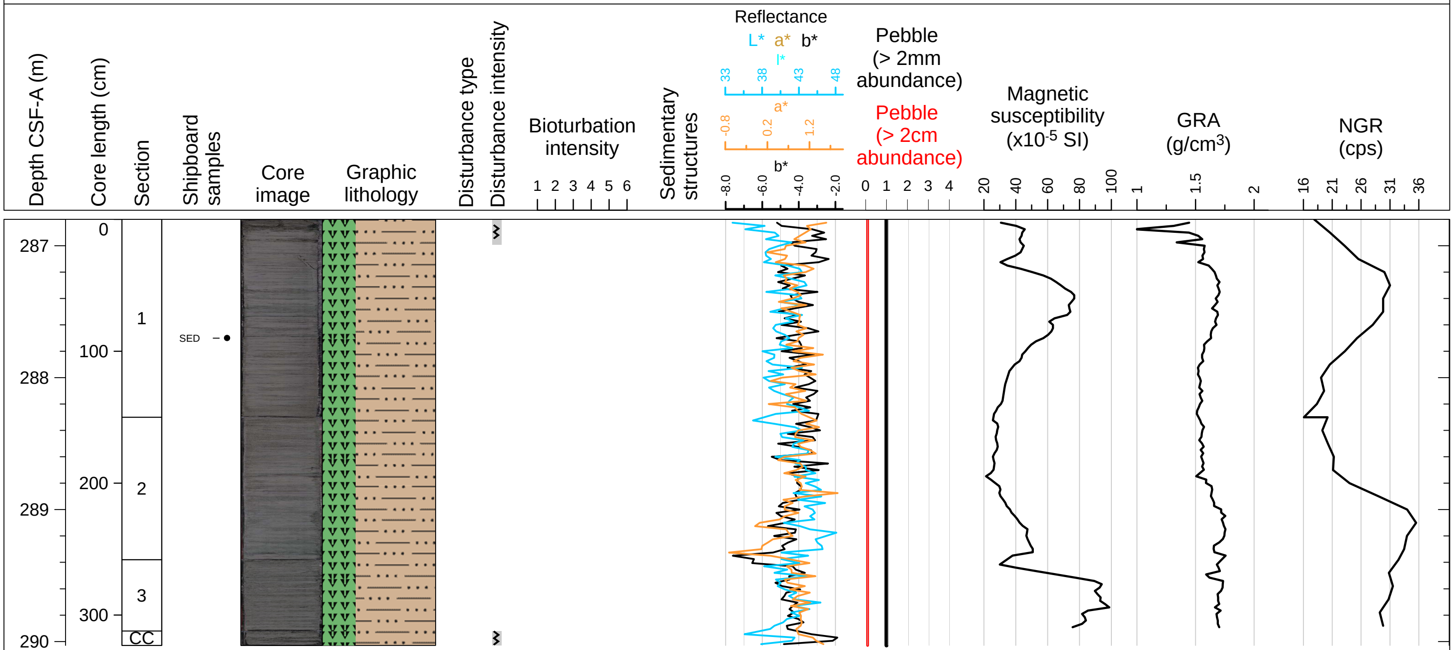
Hole 382-U1536C Core 24F, Interval 282.0-286.88 m (CSF-A)

Homogenerous diatom-bearing silty clay, 10GY 4/1 dark greenish gray, with slight color banding.



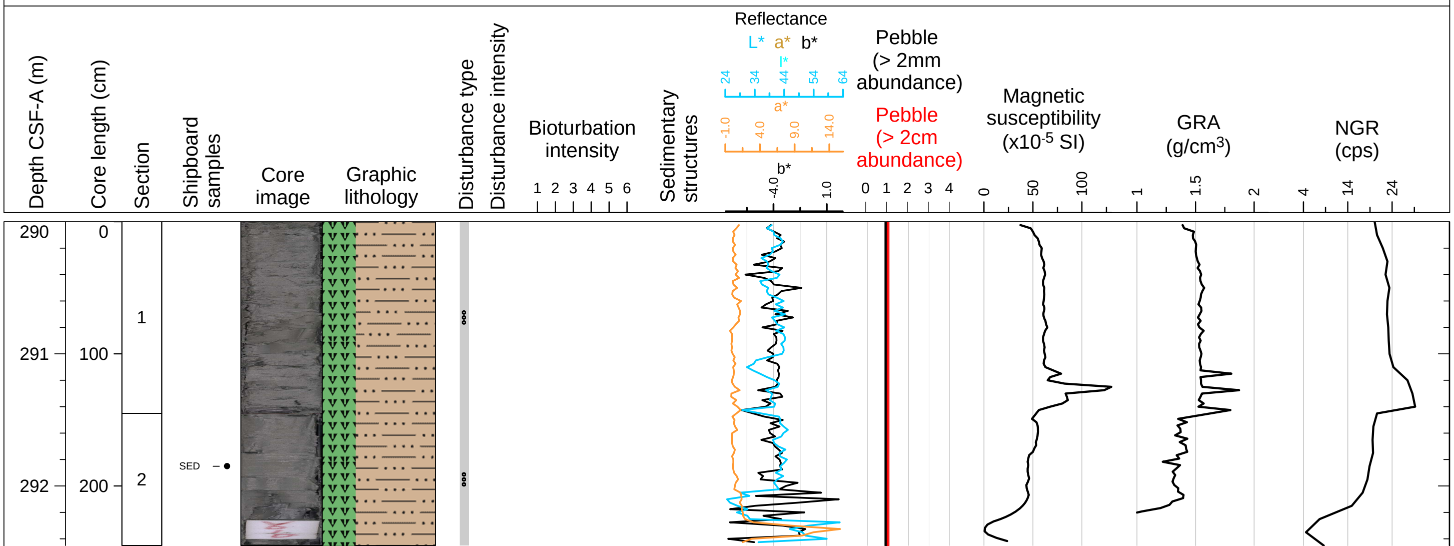
Hole 382-U1536C Core 25H, Interval 286.8-290.03 m (CSF-A)

Homogeneous diatom-rich slity clay. Dominantly 5G 4/1 dark greenish gray, with color bands including very dark grayish green 5G 2.5/2 in Section 2. Pyrite burrows throughout. One silt-filled burrow in Section 1, 67 cm.



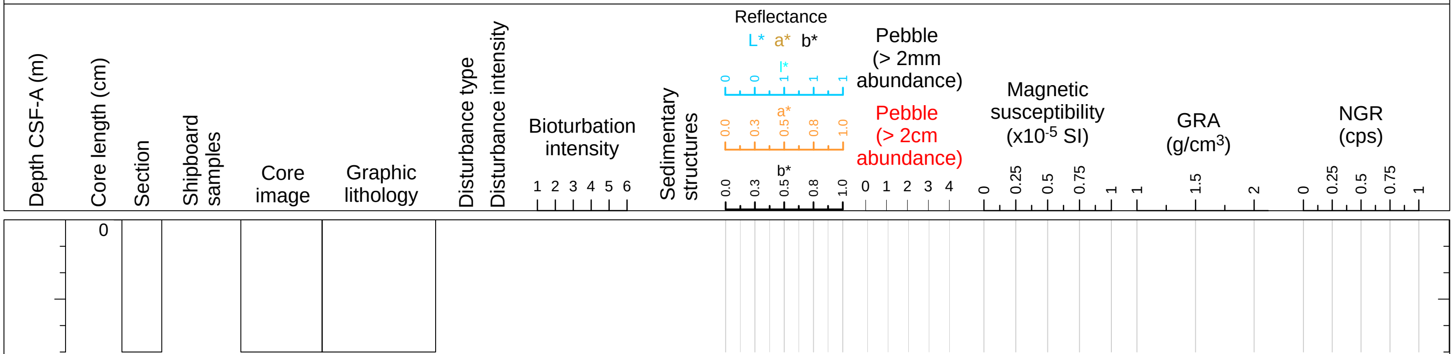
Hole 382-U1536C Core 26F, Interval 290.0-292.45 m (CSF-A)

Homogeneous 5G 5/1 greenish gray diatom-rich silty clay. Soupy possibly due to large dropstone at the base of Section 1.



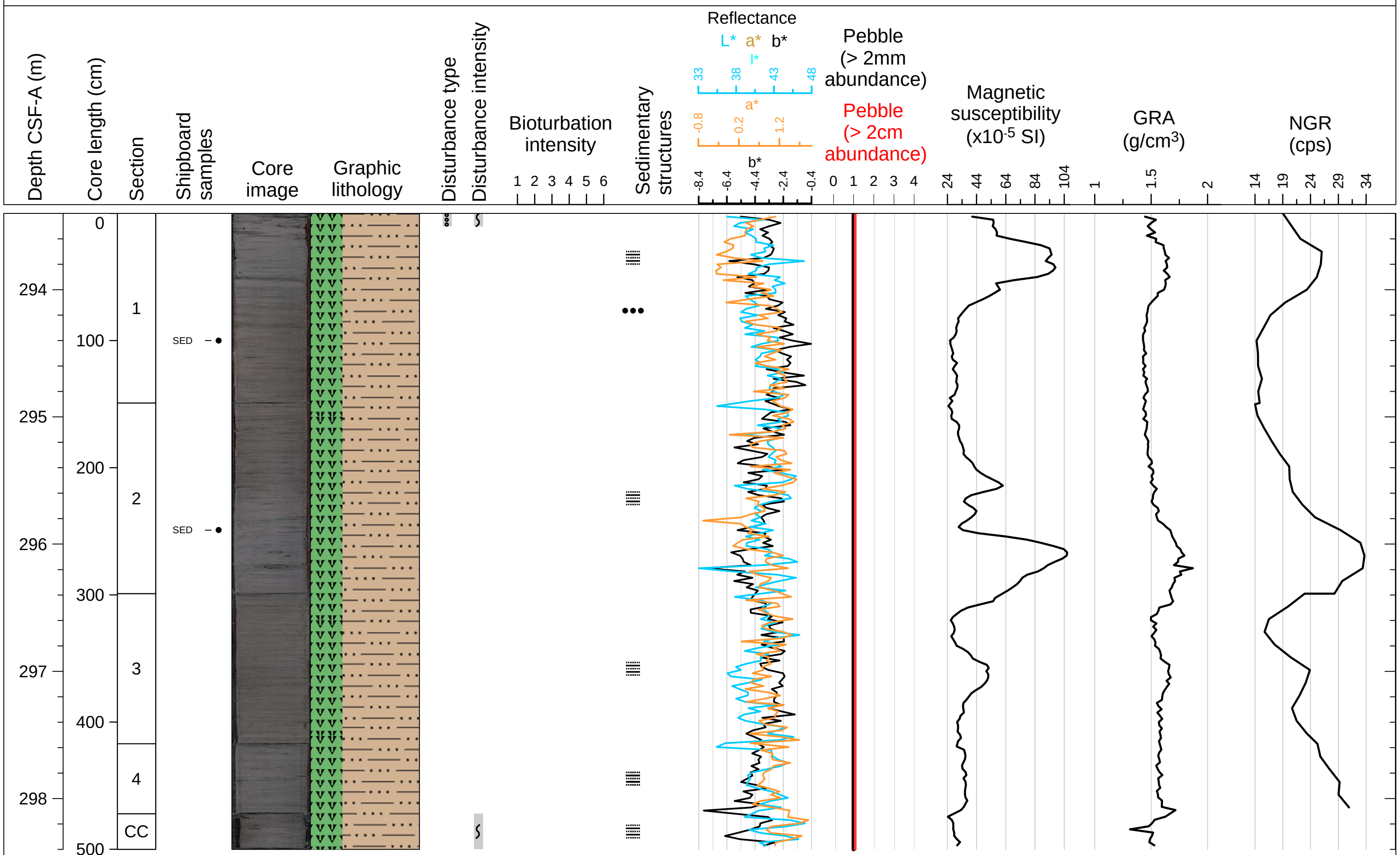
Hole 382-U1536C Core 271, Interval 292.4-293.4 m (CSF-A)

DRILLED INTERVAL



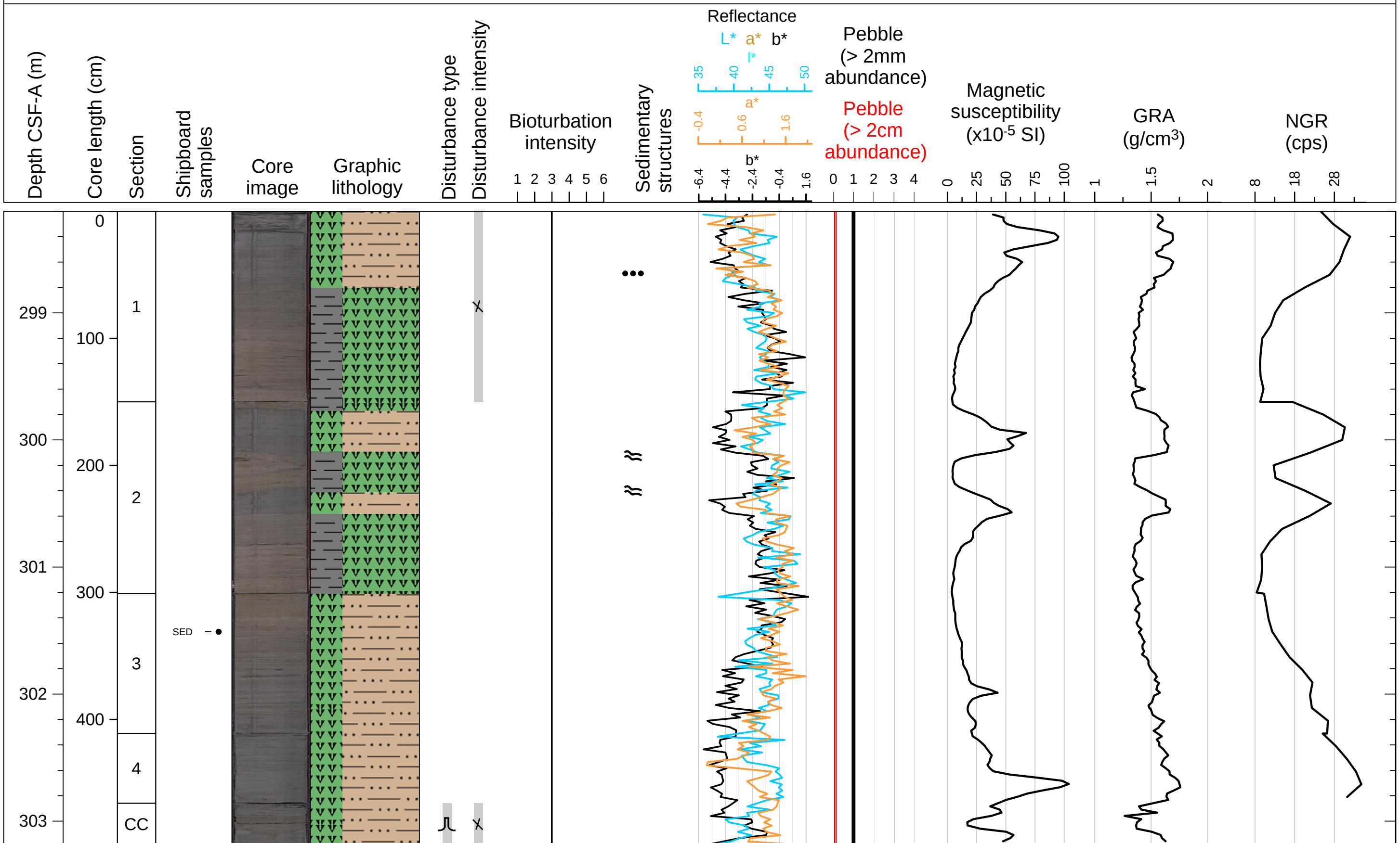
Hole 382-U1536C Core 28F, Interval 293.4-298.4 m (CSF-A)

5G 5/1 greenish gray diatom-rich silty clay and 10Y5/1 greenish gray diatom-bearing silty clay . Gradual transition in Section 2A from 15-70 cm. Section 3A is also interbedded with silty clay with different amounts of biosilica.



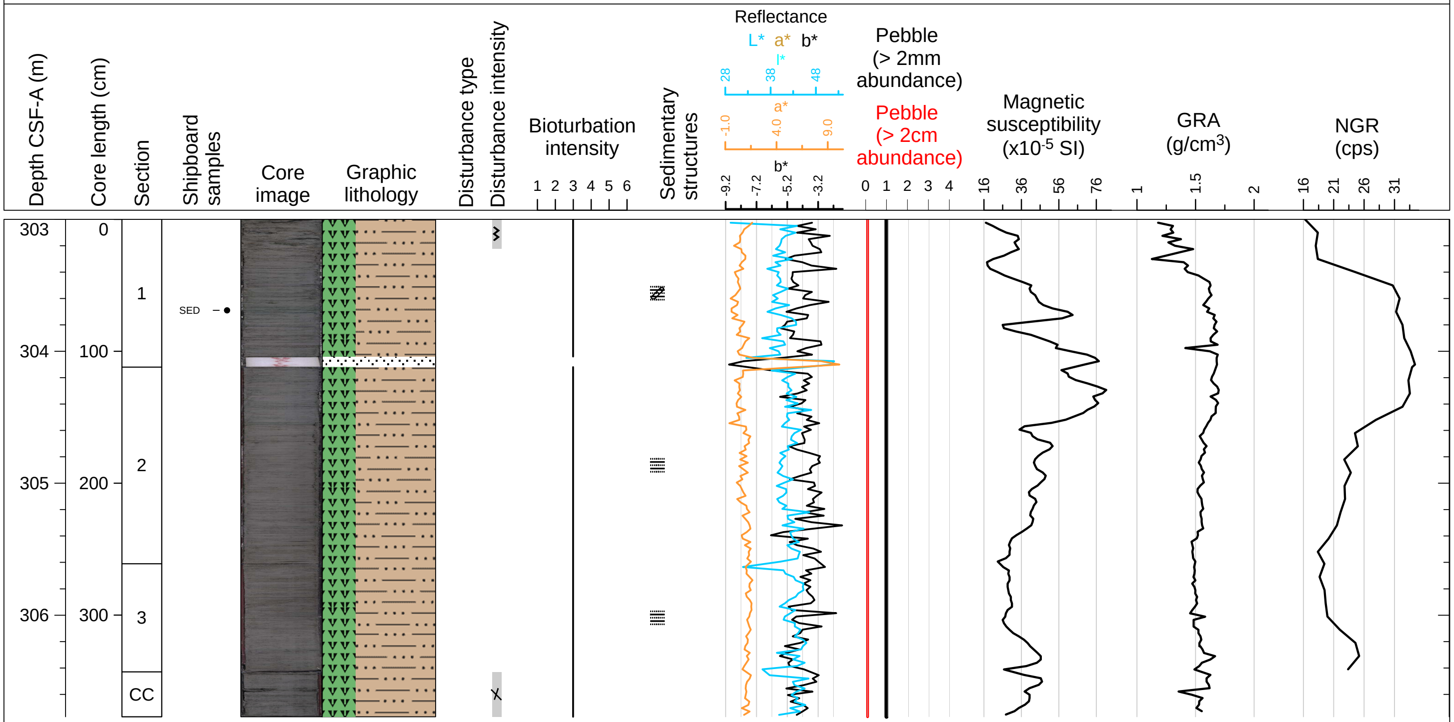
Hole 382-U1536C Core 29F, Interval 298.2-303.19 m (CSF-A)

10GY 5/1 greenish gray diatom bearing silty clay and 5Y 5/2 olive gray clay bearing diatom ooze. Diatom oozes are laminated. Section 2A contains a slump.



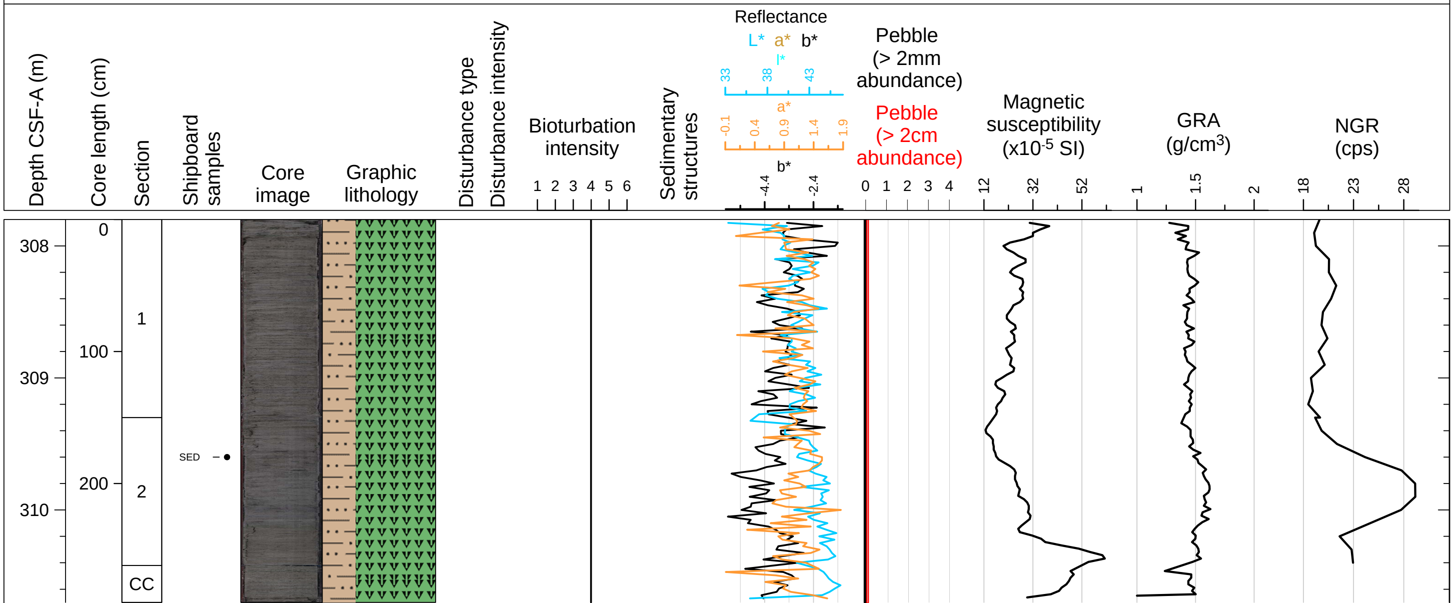
Hole 382-U1536C Core 30F, Interval 303.0-306.77 m (CSF-A)

Homogeneous 10GY 5/1 greenish gray diatom bearing silty clay with color banding



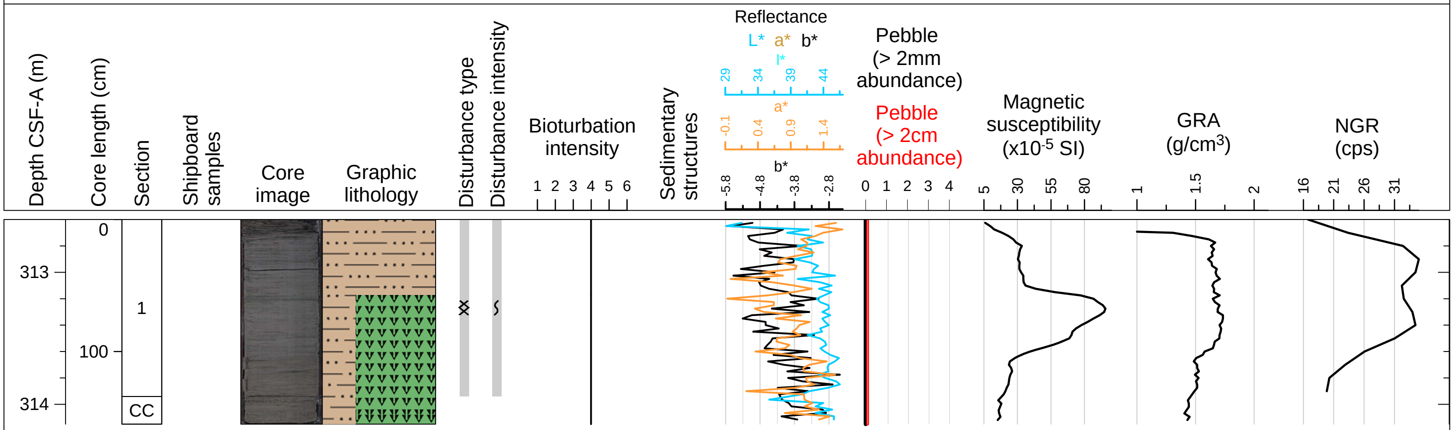
Hole 382-U1536C Core 31F, Interval 307.8-310.7 m (CSF-A)

dark greenish grey diatom ooze



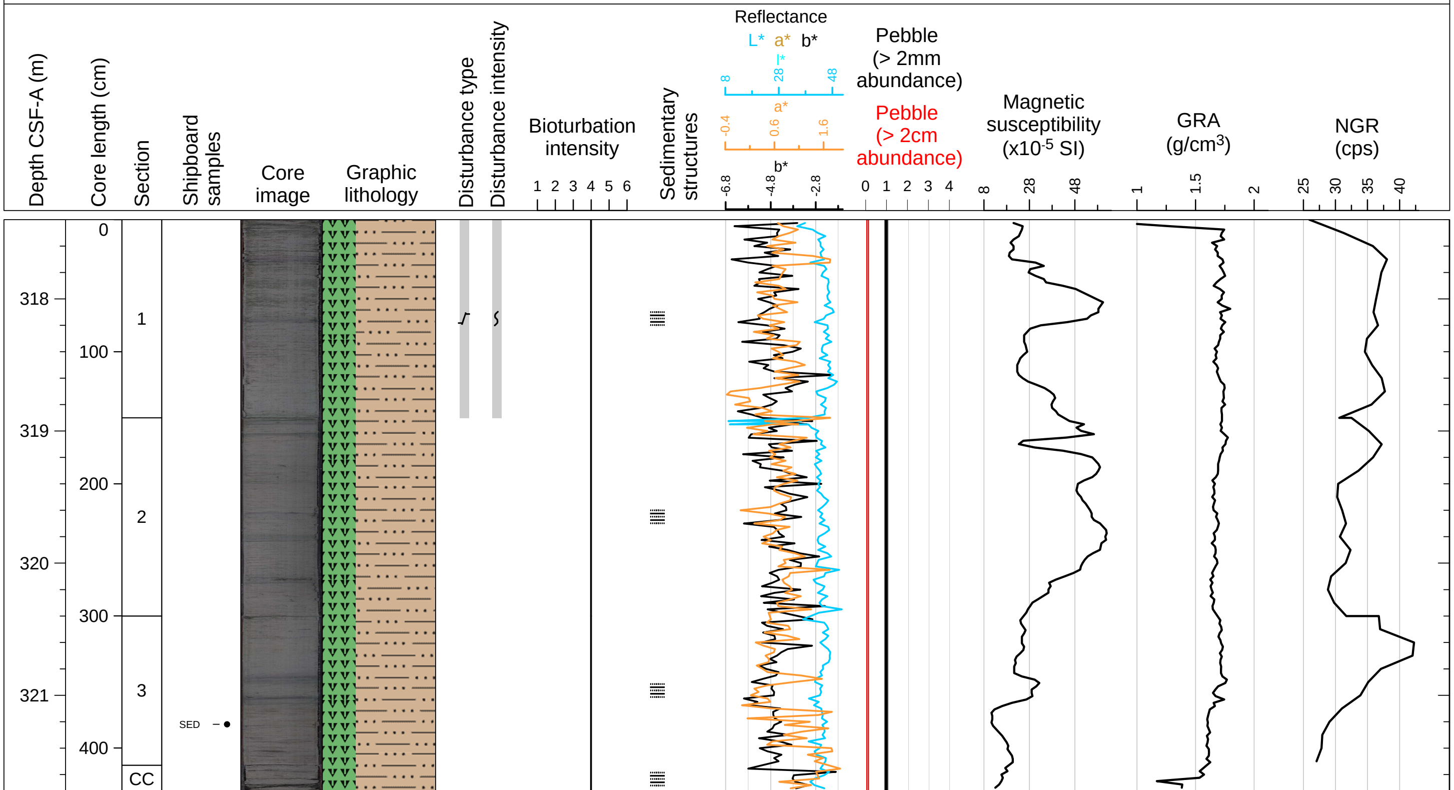
Hole 382-U1536C Core 32F, Interval 312.6-314.15 m (CSF-A)

dark greenish grey diatom ooze



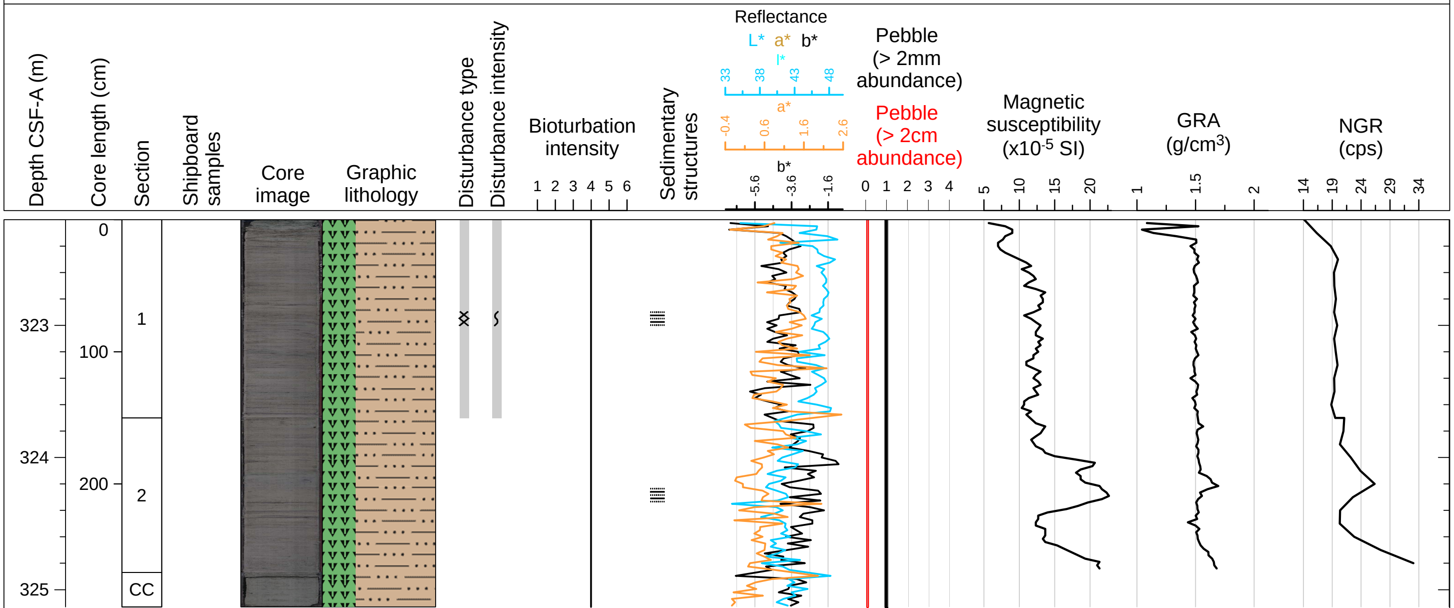
Hole 382-U1536C Core 33F, Interval 317.4-321.74 m (CSF-A)

dark greenish grey diatom rich silty clay, IRD was identified via VCD and X-ray slabs



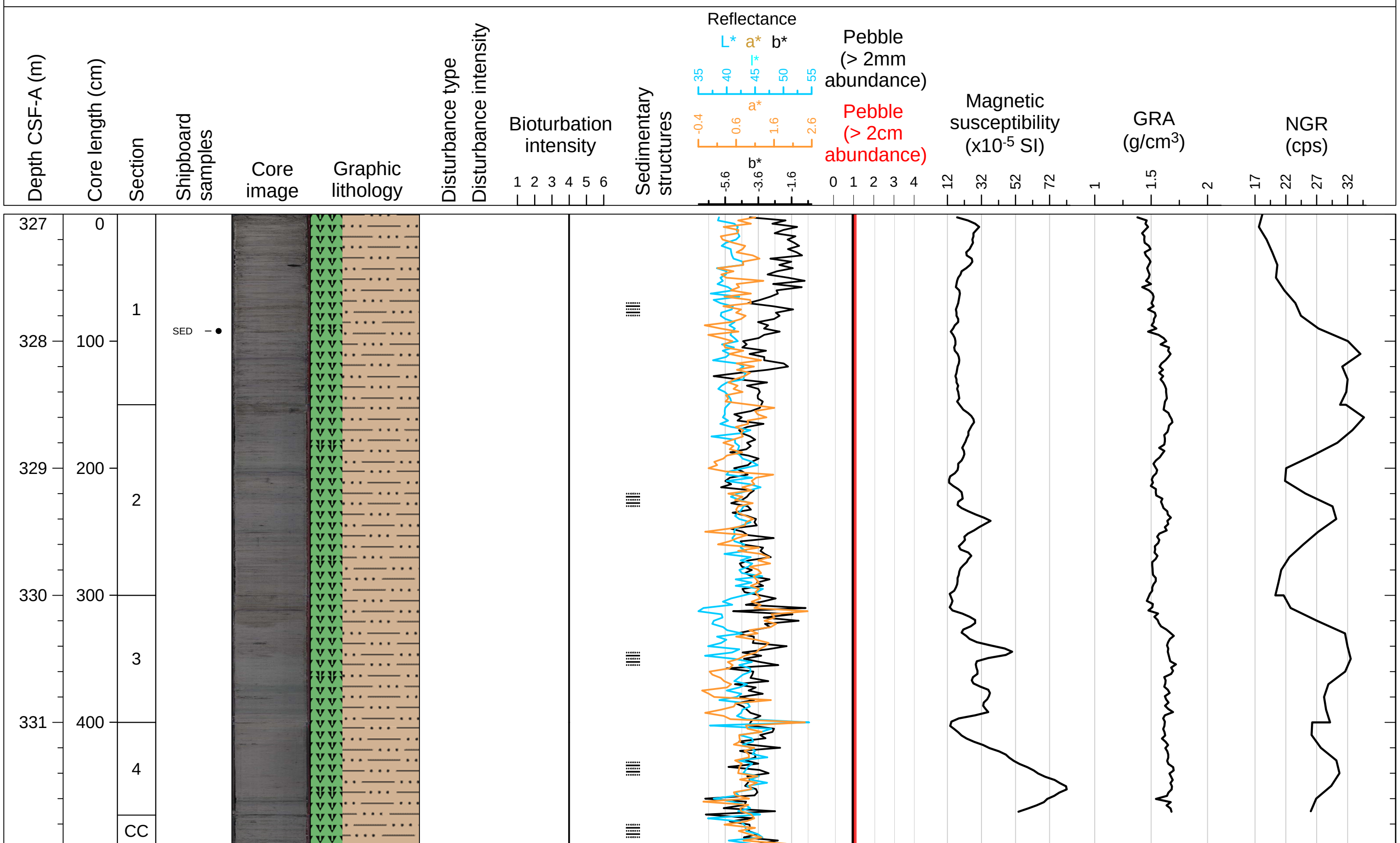
Hole 382-U1536C Core 34F, Interval 322.2-325.13 m (CSF-A)

dark greenish grey diatom rich silty clay, IRD was identified via VCD and X-ray slabs



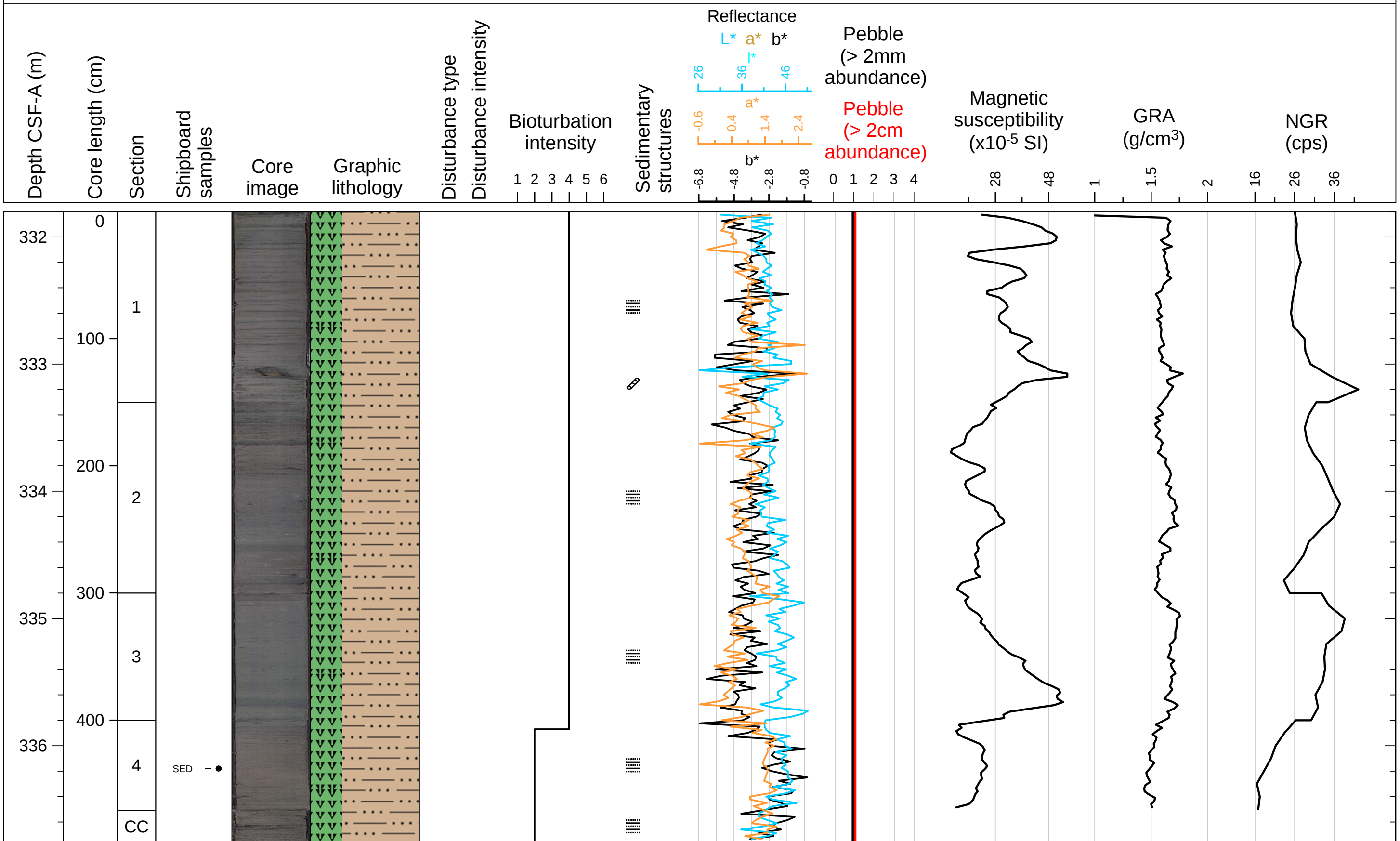
Hole 382-U1536C Core 35F, Interval 327.0-331.98 m (CSF-A)

dark greenish grey diatom rich silty clay, IRD was identified via VCD and X-ray slabs, color banding



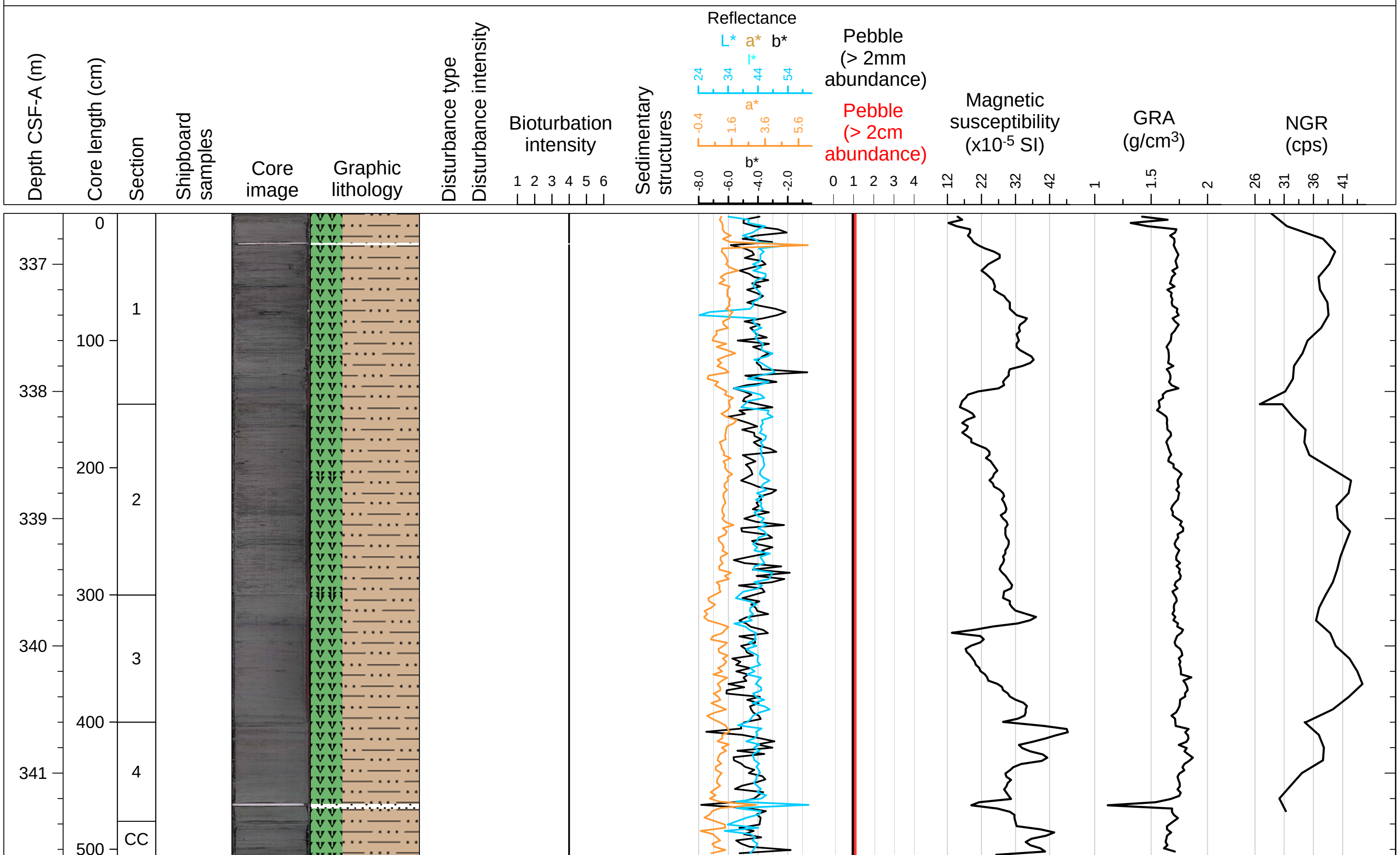
Hole 382-U1536C Core 36F, Interval 331.8-336.76 m (CSF-A)

interbedded dark greenish grey diatom rich silty clay and diatom ooze, IRD was identified via X-ray slabs, large pyratized burrow in 1A+W (121-132 cm)



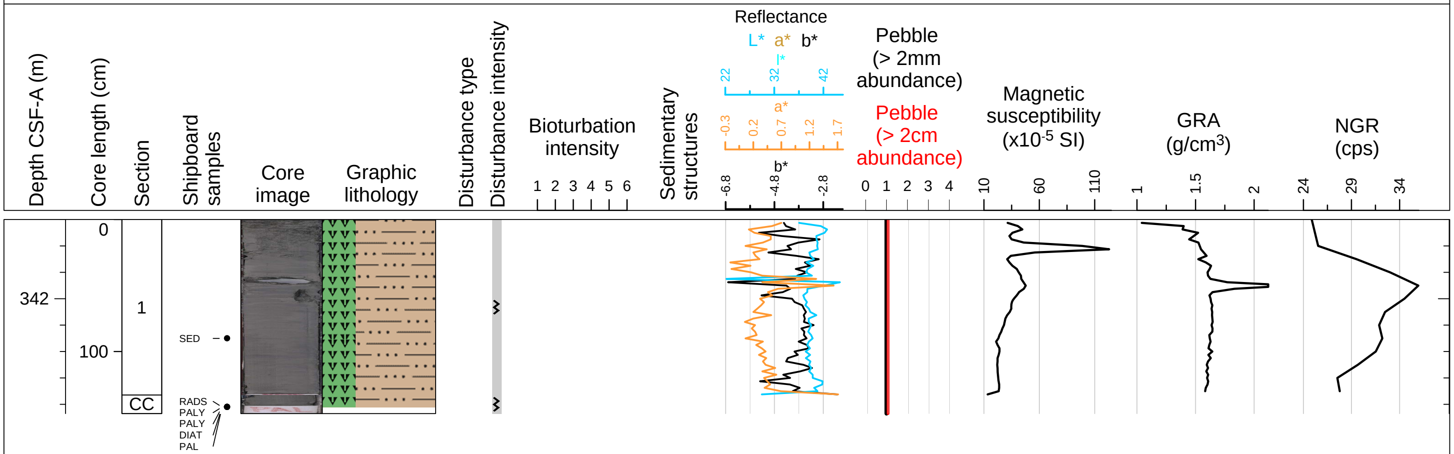
Hole 382-U1536C Core 37F, Interval 336.6-341.66 m (CSF-A)

dark greenish grey diatom rich to diatom bearing silty clay, IRD was identified via VCD and X-ray slabs



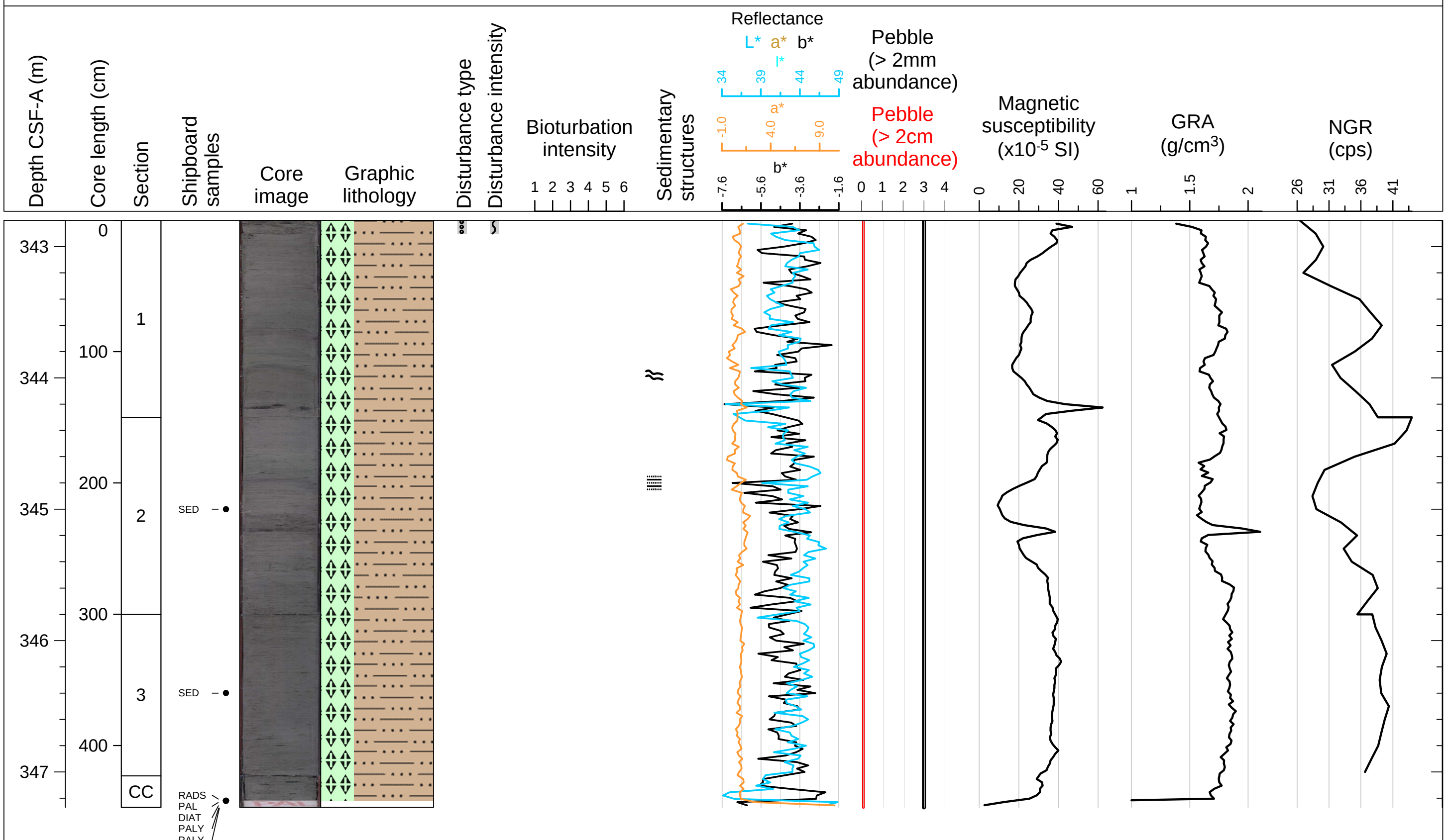
Hole 382-U1536C Core 38F, Interval 341.4-342.87 m (CSF-A)

diatom bearing silty clay



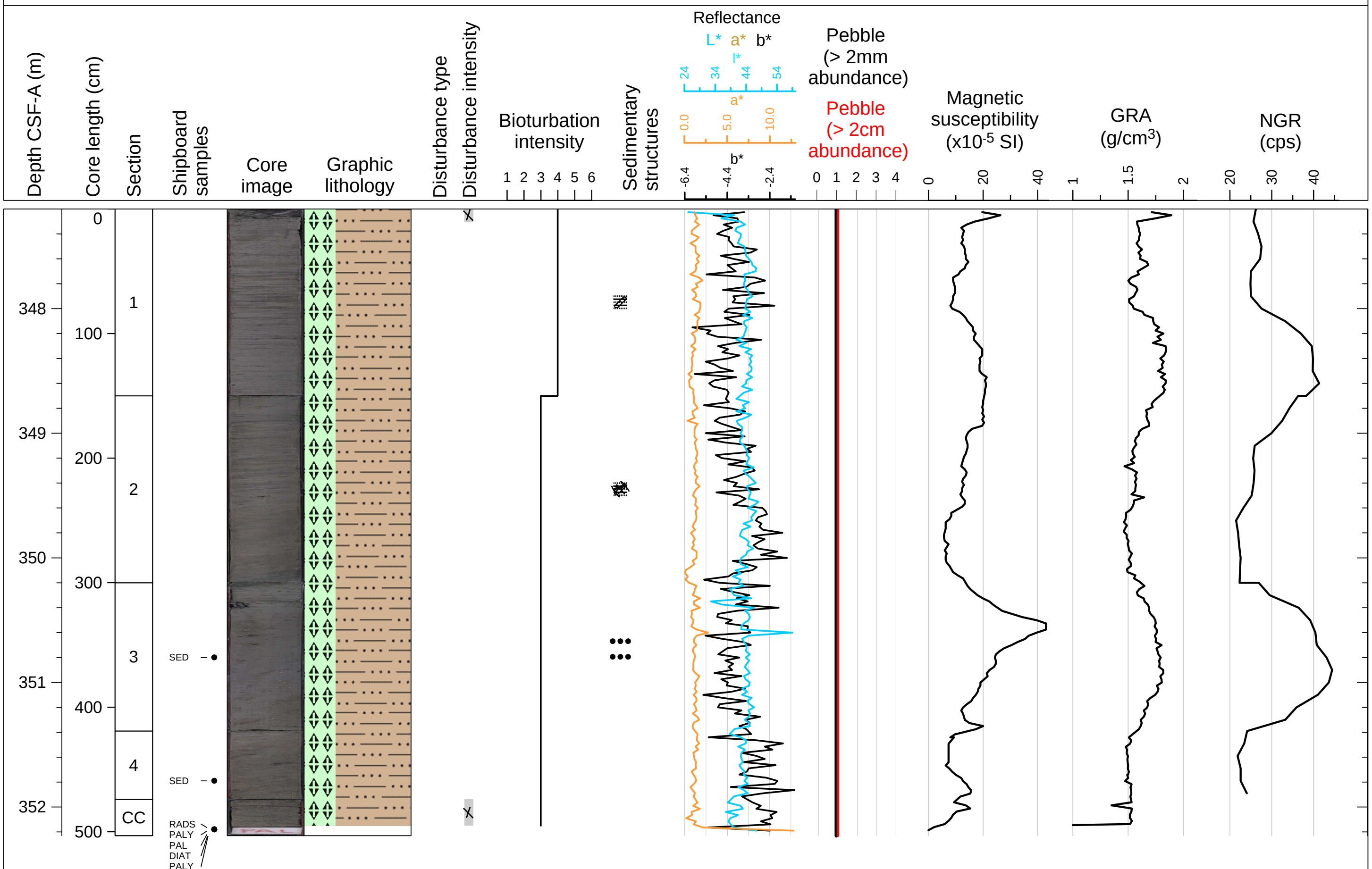
Hole 382-U1536C Core 39F, Interval 342.8-347.27 m (CSF-A)

Biosiliceous bearing and diatom bearing silty clay, 10GY 5/1 greenish gray, with some darker color bands. Burrows filled with diatom spicules common in Section 2.



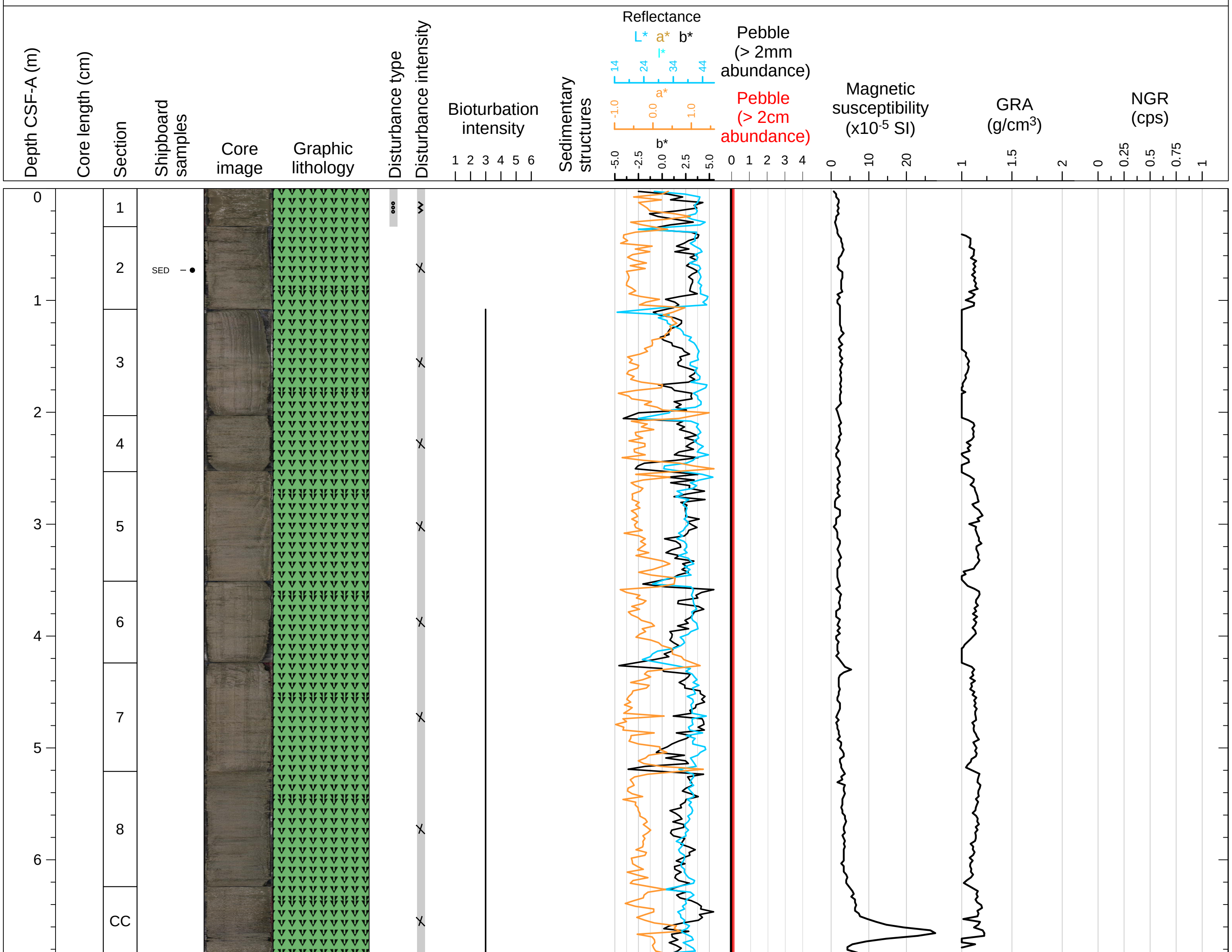
Hole 382-U1536C Core 40F, Interval 347.2-352.23 m (CSF-A)

10Y 3/1 very dark greenish gray and 10GY 5/1 greenish gray biosiliceous bearing silty clay. gradual transition in Section 2A. many silt burrows in Section 1A, 2A



Hole 382-U1536D Core 1H, Interval 0.0-6.86 m (CSF-A)

dark greenish grey diatom ooze. All sections disturbed due to shattered liners



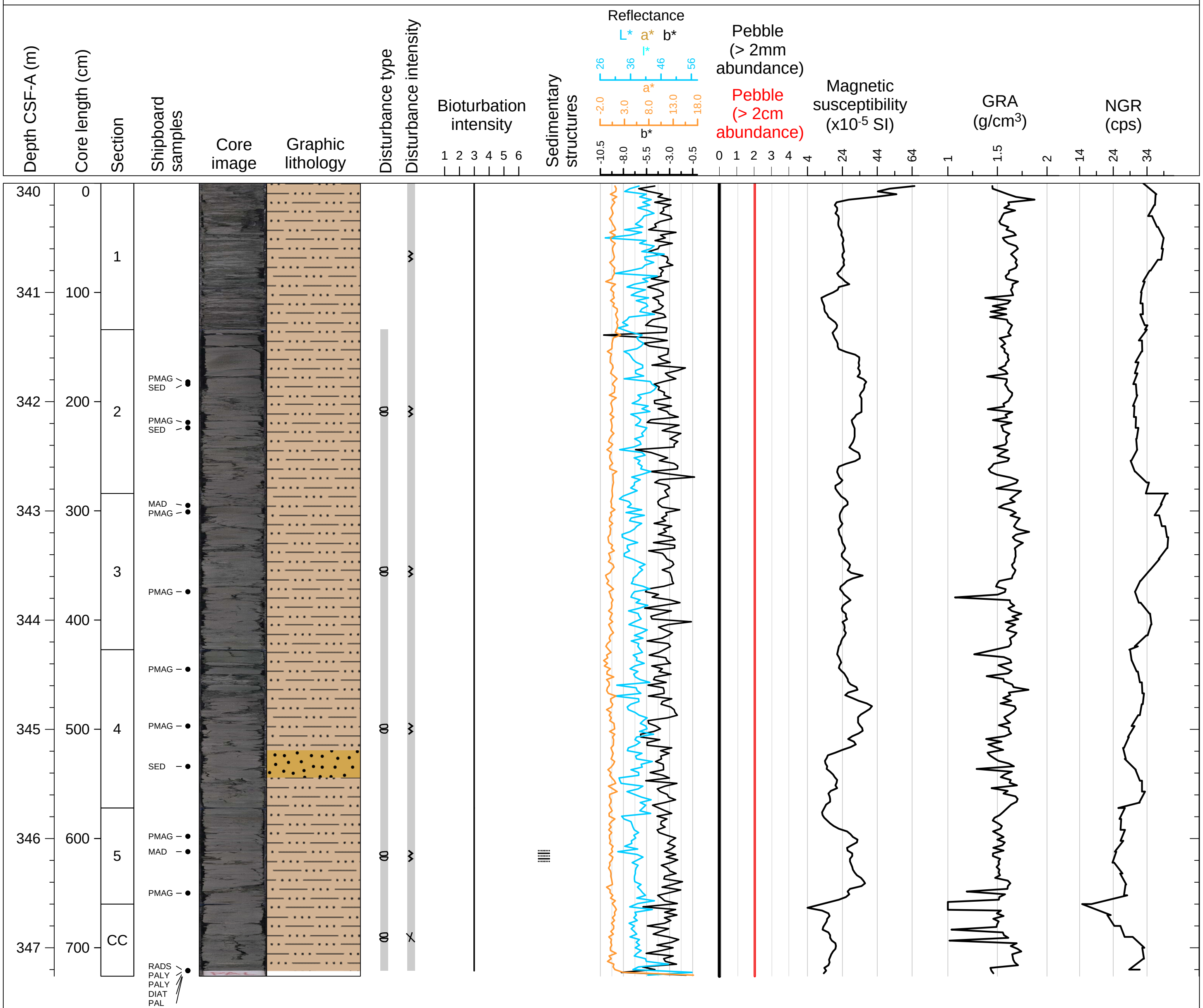
Hole 382-U1536E Core 11, Interval 0.0-0.0 m (CSF-A)

DRILLED INTERVAL

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Disturbance type	Disturbance intensity	Bioturbation intensity (1 2 3 4 5 6)	Sedimentary structures	Reflectance L* a* b*	Pebble (> 2mm abundance) / Pebble (> 2cm abundance) (0 1 2 3 4)	Magnetic susceptibility ($x10^{-5}$ SI)	GRA (g/cm^3)	NGR (cps)

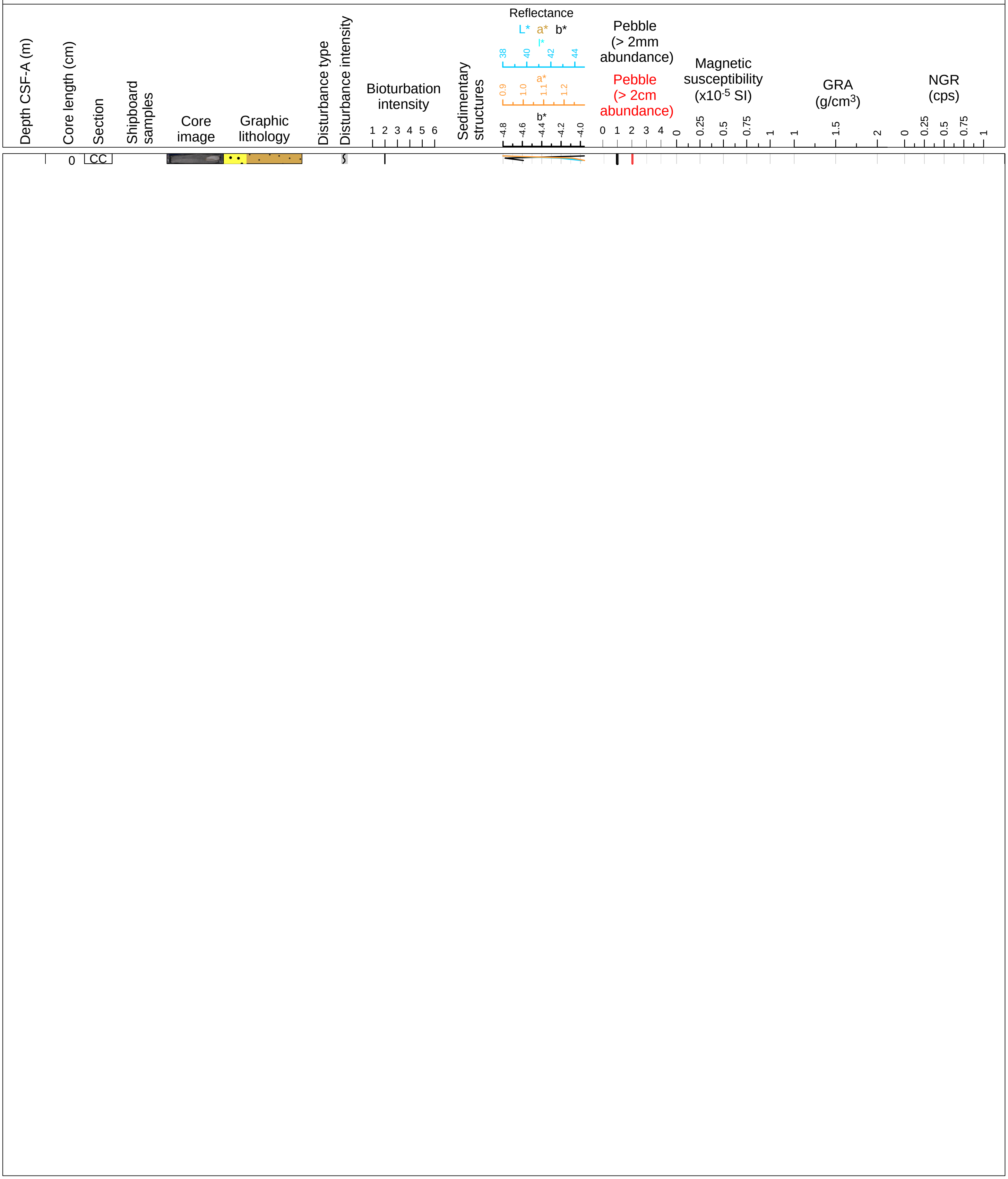
Hole 382-U1536E Core 2R, Interval 340.0-347.26 m (CSF-A)

massively disturbed (biscuits) consolidated greenish grey silty clay and sandy silt layers. IRD was identified via VCD and X-ray slabs



Hole 382-U1536E Core 3R, Interval 349.4-349.51 m (CSF-A)

Only the CC was retrieved, consolidated sandy silt, two dropstones were identified at the top (fall-in?)"



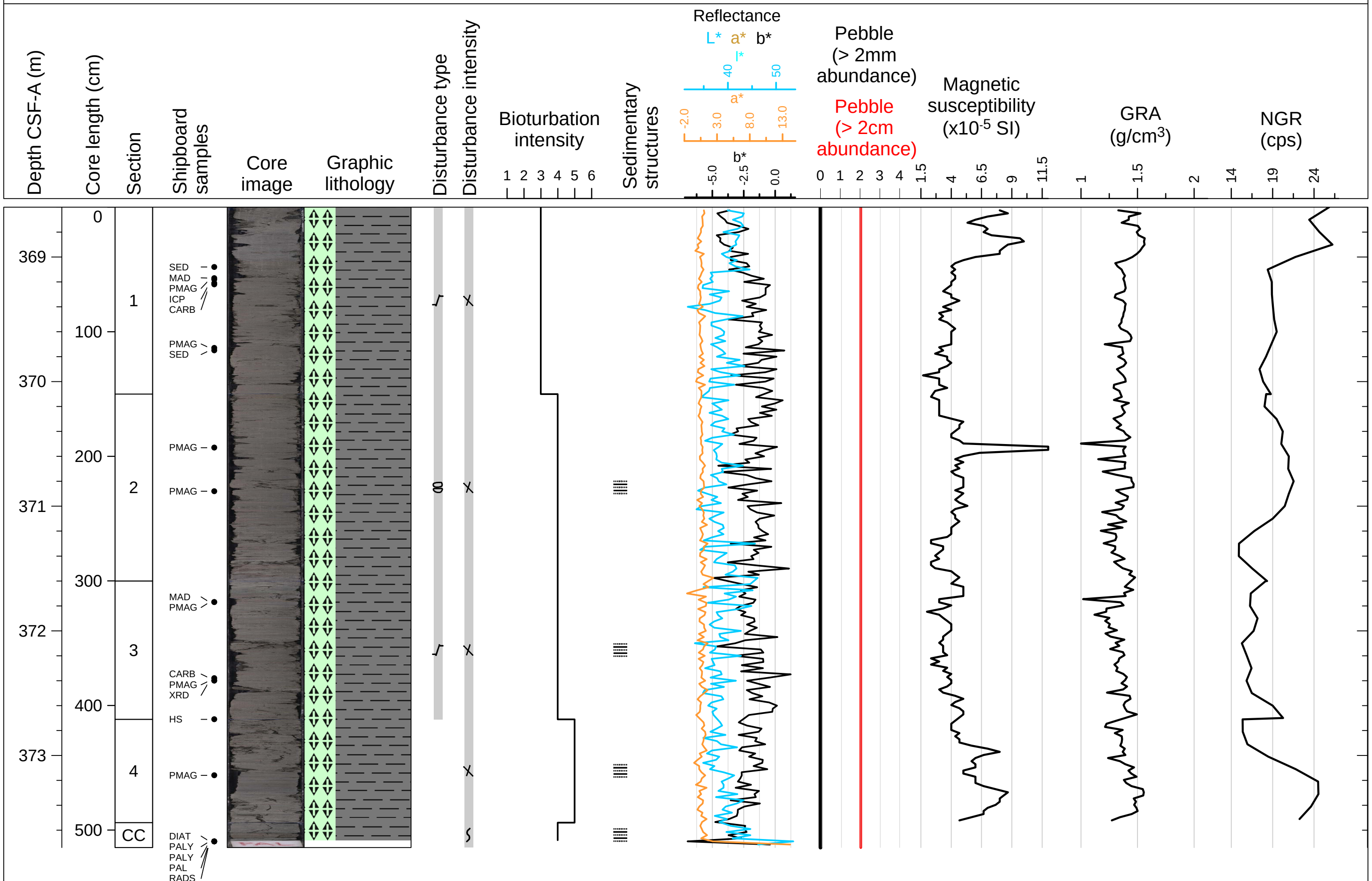
Hole 382-U1536E Core 4R, Interval 359.0-359.08 m (CSF-A)

ALL TO PALEO

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Disturbance type	Disturbance intensity	Bioturbation intensity	Sedimentary structures	Reflectance L* a* b*	Pebble (> 2mm abundance) Pebble (> 2cm abundance)	Magnetic susceptibility (x10^{-5} SI)	GRA (g/cm^3)	NGR (cps)
								1 2 3 4 5 6		L*: 0 0 1 1 1; a*: 0.0 0.3 0.5 0.8 1.0; b*: 0.0 0.3 0.5 0.8 1.0	0 1 2 3 4	0 0.25 0.5 0.75 1	1 1.5 2	0 0.25 0.5 0.75 1
359	0	CC	PALY PAL DIAT PALY RADS HS											

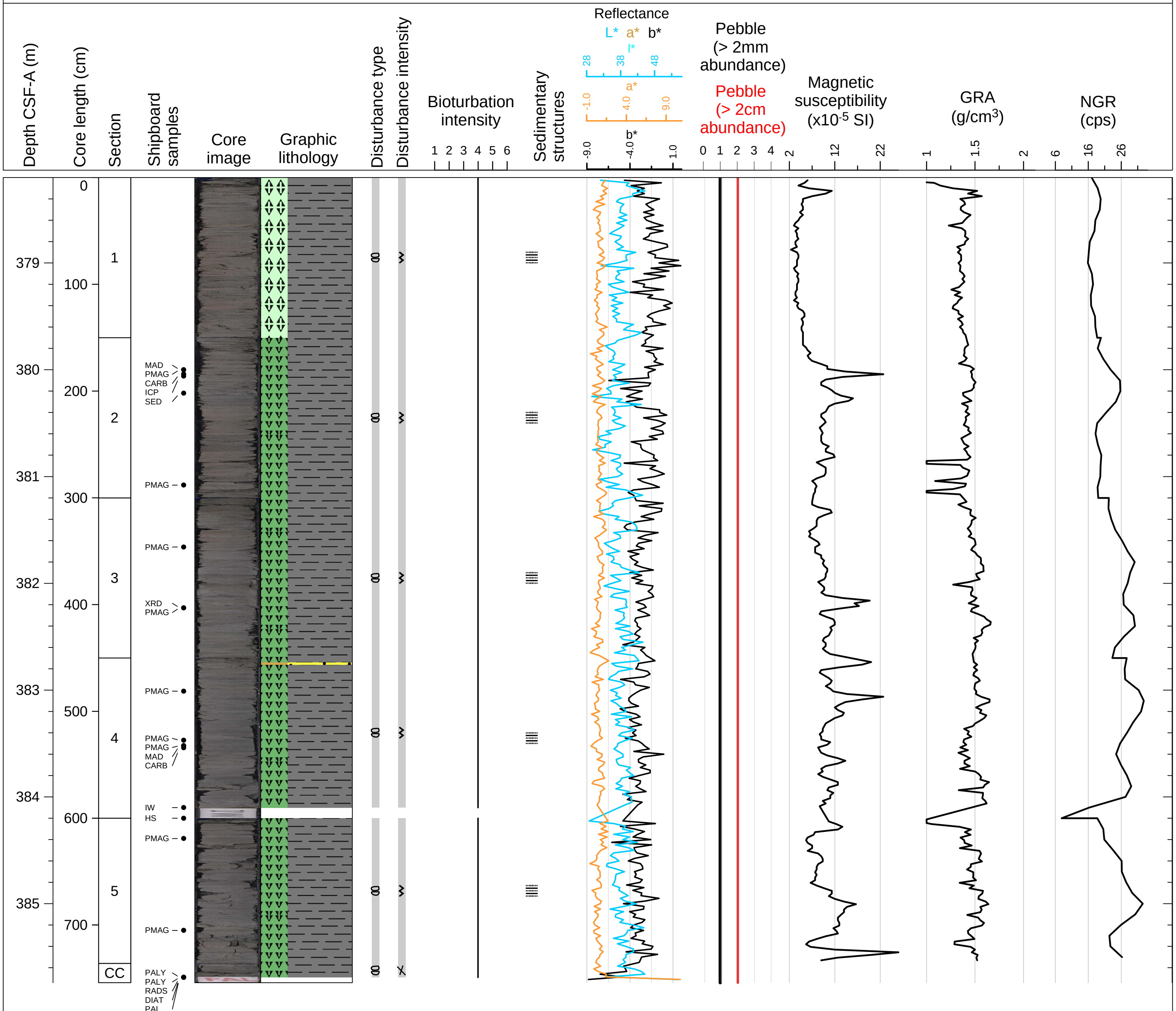
Hole 382-U1536E Core 5R, Interval 368.6-373.74 m (CSF-A)

consolidated dark greenish grey biosilicoeus bearing silt bearing clay, sub-cm sized angular and rounded IRD was identified throughout the core via VCD and X-ray slabs



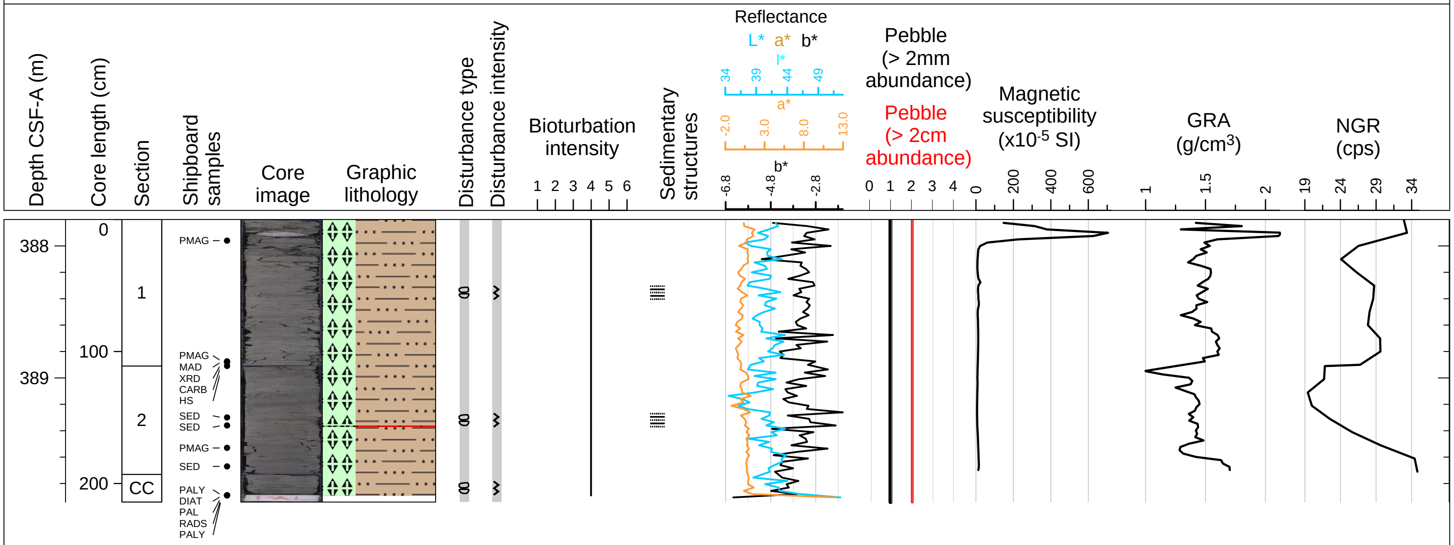
Hole 382-U1536E Core 6R, Interval 378.2-385.74 m (CSF-A)

highly disturbed (biscuits) consolidated clay with interbedded cm-scale layers of sandy gravel, mm to sub cm-scale IRD throughout the whole core.



Hole 382-U1536E Core 7R, Interval 387.8-389.94 m (CSF-A)

10GY 5/1 greenish gray biosiliceous rich silty clay, biscuited, granitic dropstone in Section 1A. discontinuous carbonate-rich layer in Section 2A



Hole 382-U1536E Core 8R, Interval 397.4-397.47 m (CSF-A)

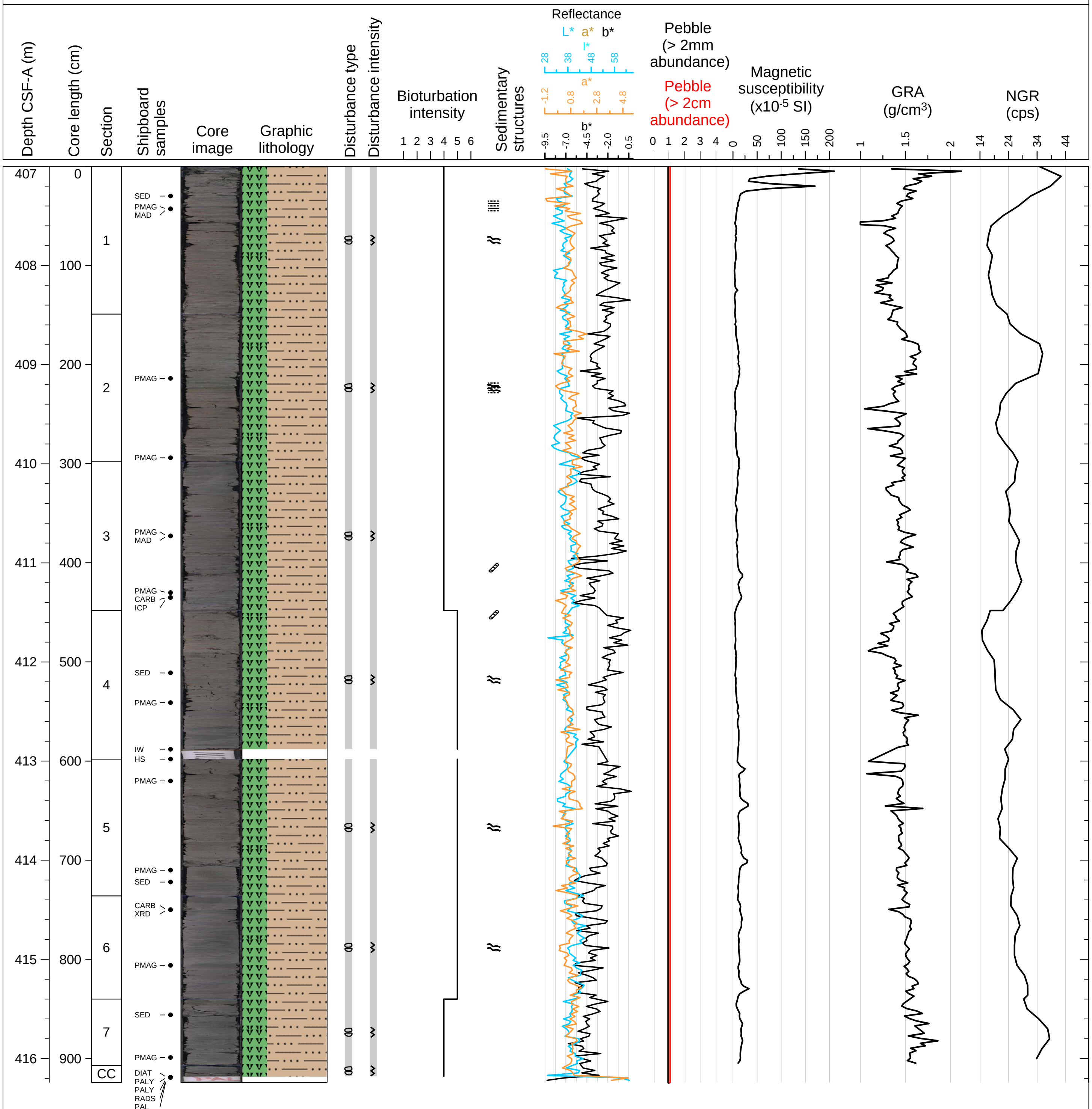
6cm, subangular, fine-grained, dark, igneous rock

Depth CSF-A (m)
Core length (cm)
Section
Shipboard samples
Core image
Graphic lithology
Disturbance type
Disturbance intensity
Bioturbation intensity
1 2 3 4 5 6
Sedimentary structures
Reflectance
L* a* b*
L* 42 42 43
a* 1.6 1.7 1.7 1.8
b* -6.4 -5.9 -5.4
Pebble (> 2mm abundance)
Pebble (> 2cm abundance)
0 1 2 3 4
Magnetic susceptibility ($x10^{-5}$ SI)
0 0.25 0.5 0.75 1
GRA (g/cm^3)
1 1.5 2
NGR (cps)
0 0.25 0.5 0.75 1

0 CC

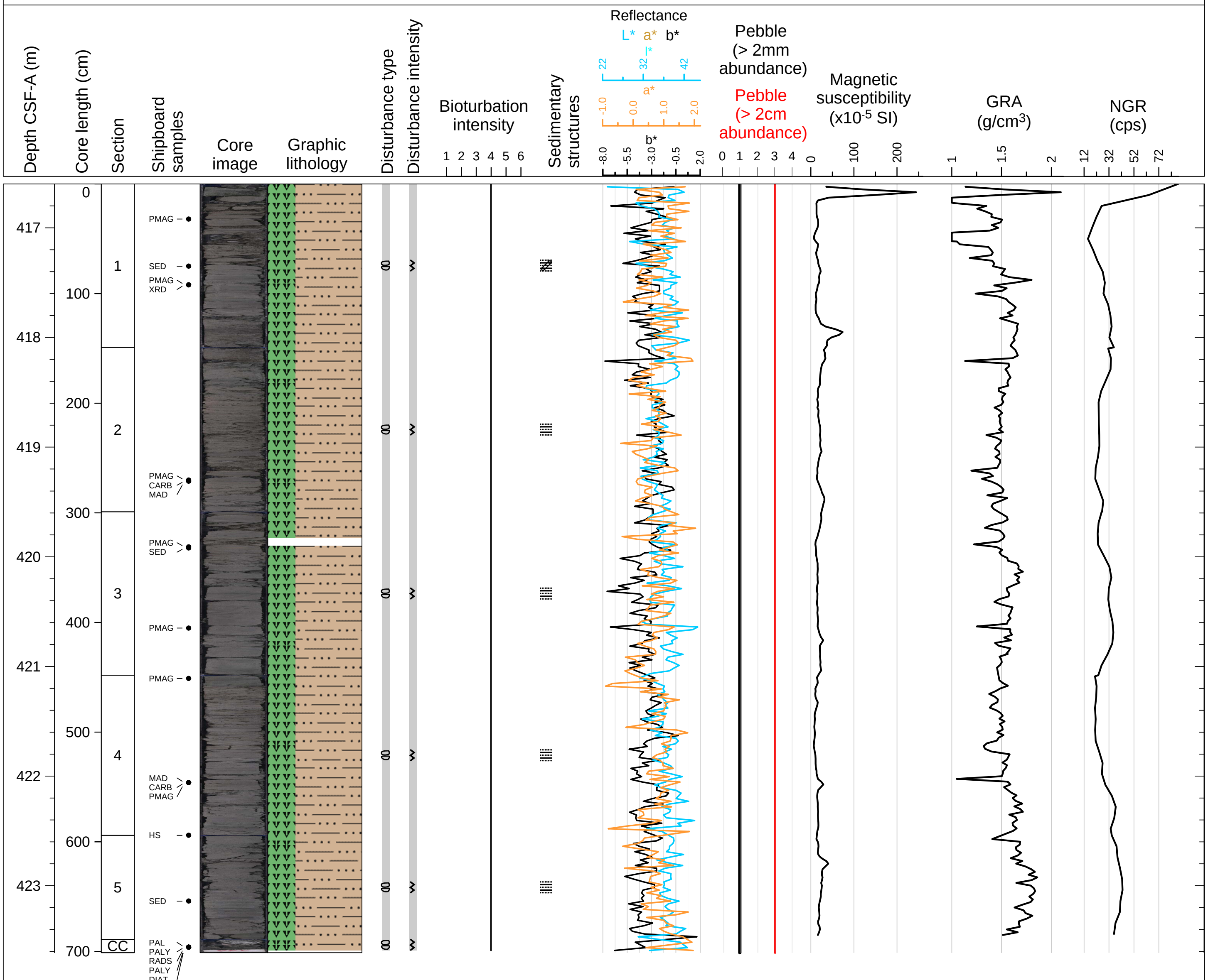
Hole 382-U1536E Core 9R, Interval 407.0-416.24 m (CSF-A)

color banding in 5G 4/1 dark greenish gray and 10Y 4/1 dark greenish gray diatom rich silty clay that is present in cyclic layers 30 to > 100cm thick. Dropstones of different sizes and compositions and burrows are present thorough out. heavily biscuited with some coring deformation (especially in section 6A) and original soft sediment deformation.



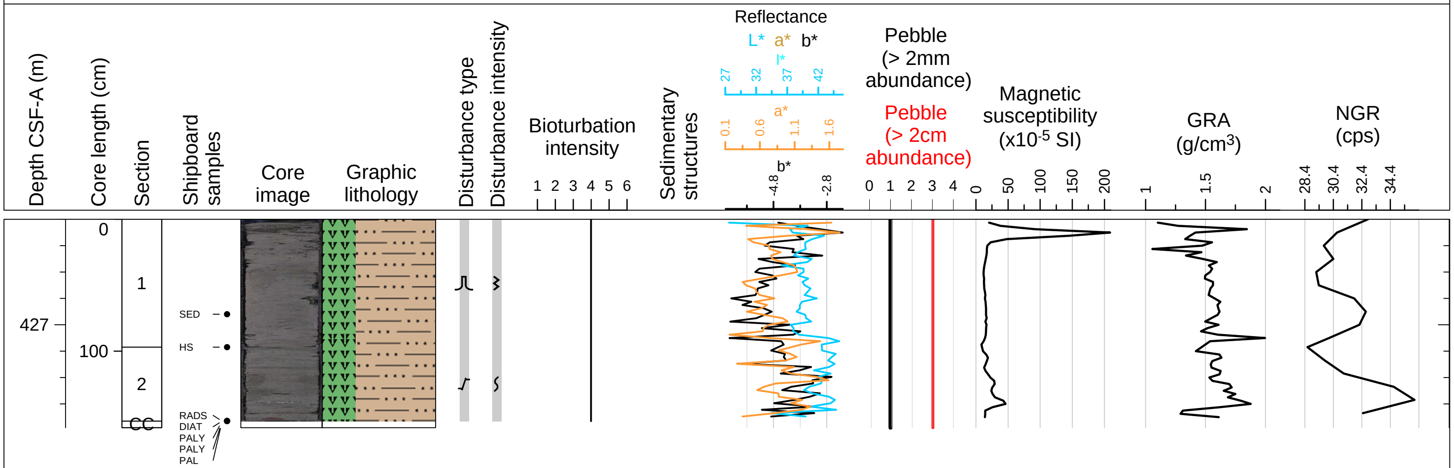
Hole 382-U1536E Core 10R, Interval 416.6-423.61 m (CSF-A)

highly biscuited, 5G 5/1 greenish gray and 10G 4/1 dark greenish gray diatom rich silty clay with color banding. Less of the cyclic browner layers than in Core 9. carbonate rich rayer in a burrow in Section 2 and layer in Section 4.



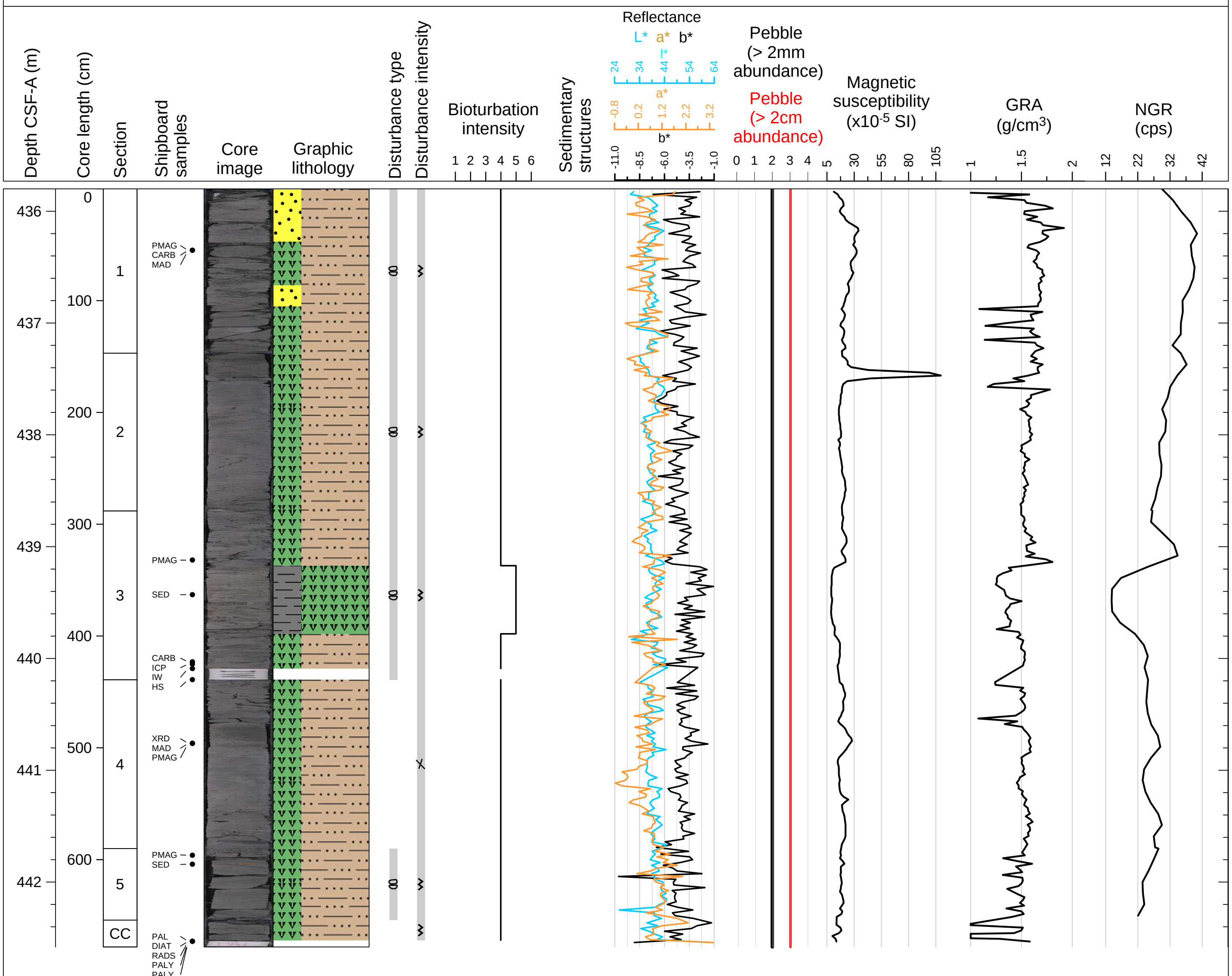
Hole 382-U1536E Core 11R, Interval 426.2-427.78 m (CSF-A)

dark greenish grey silty clay, mm-sized IRD in the matrix of the silty clay, larger red standstones, black'n white grano diorites IRD was identified via VCD and X-ray slabs



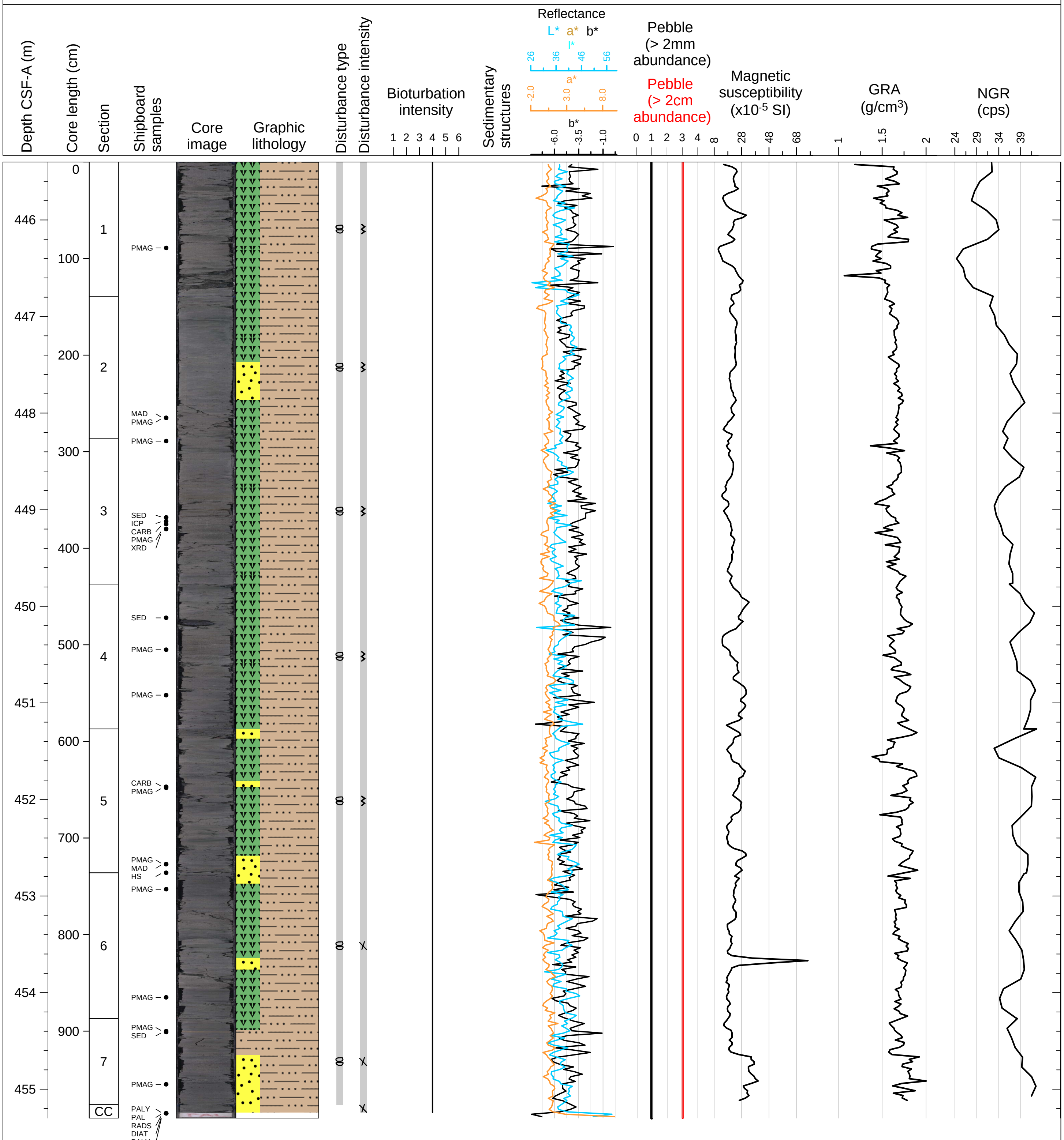
Hole 382-U1536E Core 12R, Interval 435.8-442.58 m (CSF-A)

very disturbed dark greenish grey silty clay, matrix contains mm-sized IRD throughout, larger IRD was identified via VCD and X-ray slabs



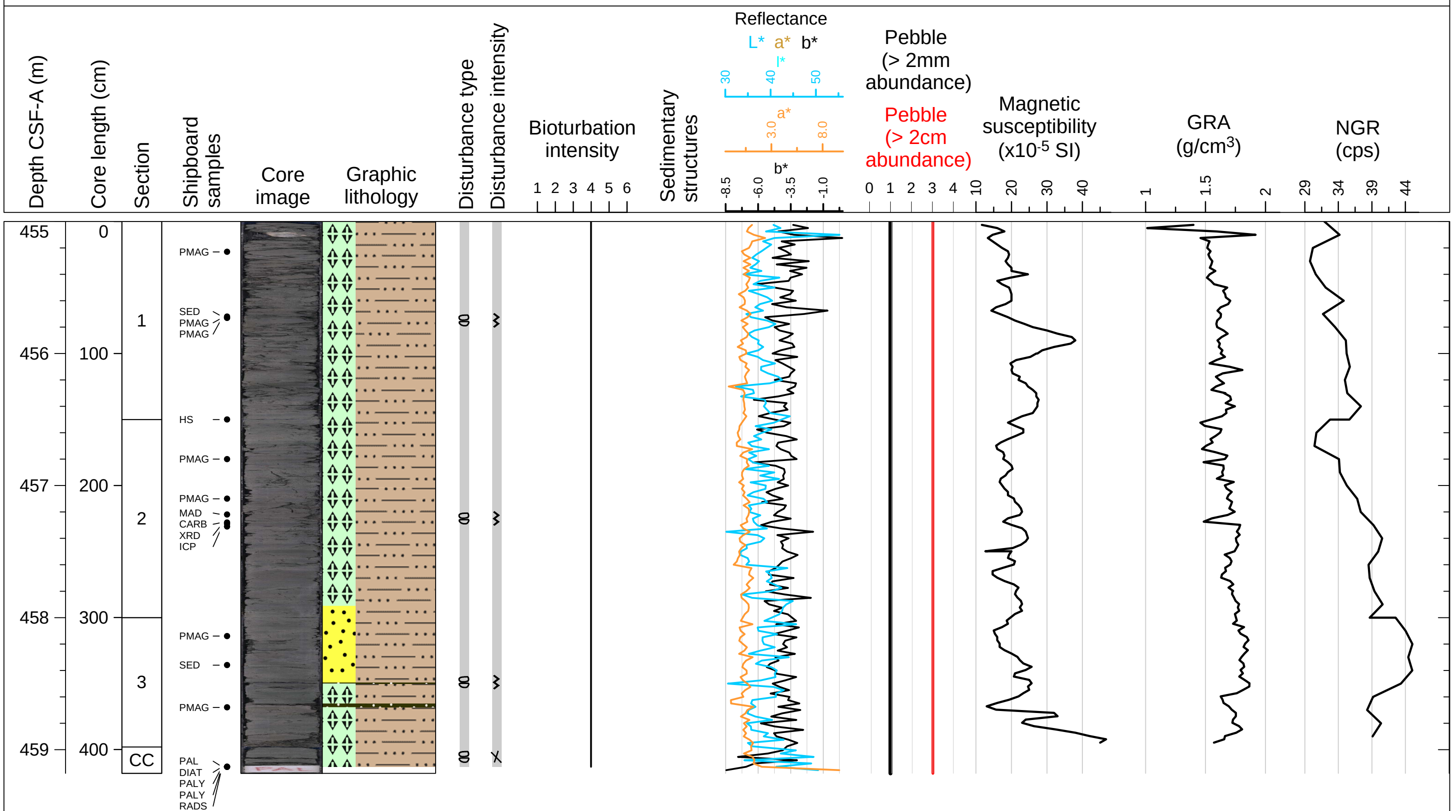
Hole 382-U1536E Core 13R, Interval 445.4-455.3 m (CSF-A)

disturbed dark greenish grey diatom bearing silty clay interbedded with sandy silty clays, IRD was identified via VCD and X-ray slabs, light olive brown (tephra?) layer in 7A (13-15 cm)



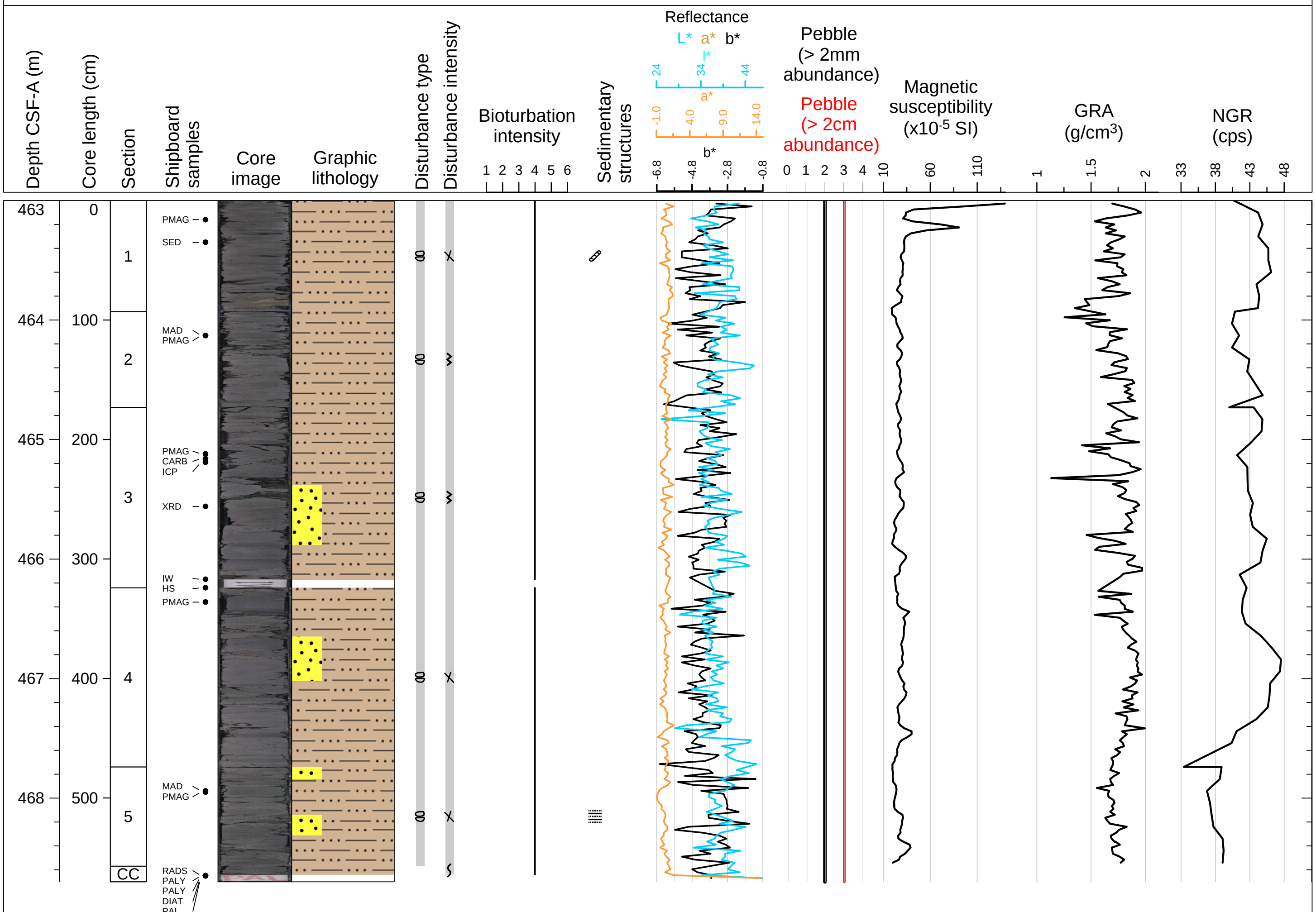
Hole 382-U1536E Core 14R, Interval 455.0-459.18 m (CSF-A)

dark greenish grey silty clay interbedded with sandy silty clay; IRD was identified throughout the core via VCD and X-ray slabs; 2 black brecciated layers in 3A (49-50 cm; 65-68 cm) chert?



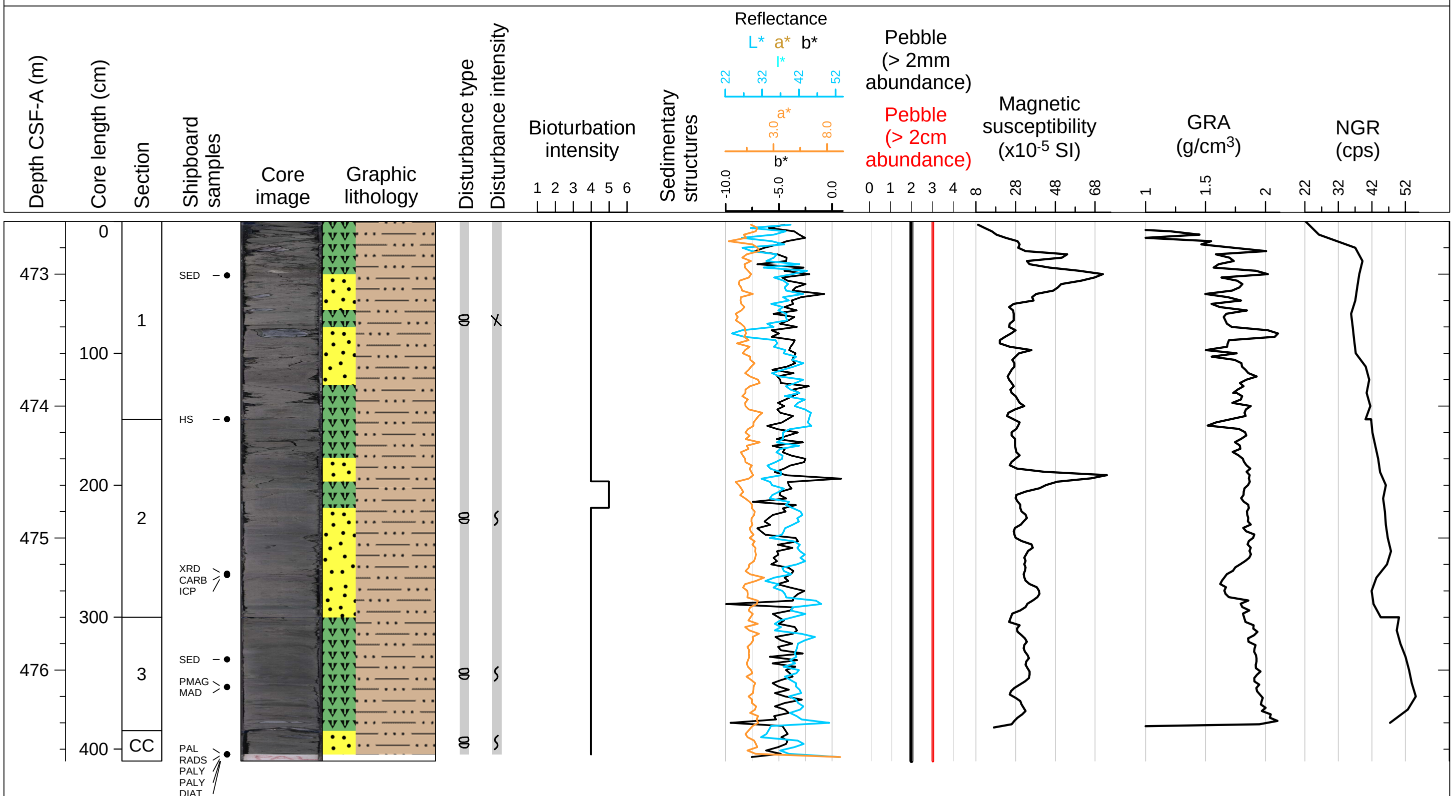
Hole 382-U1536E Core 15R, Interval 463.0-468.7 m (CSF-A)

dark greenish grey silty clay interbedded with sandy silty clay and more lithified very dark greenish grey silty clay, several lithified burrows in 1A, IRD was identified via VCD and X-ray slabs



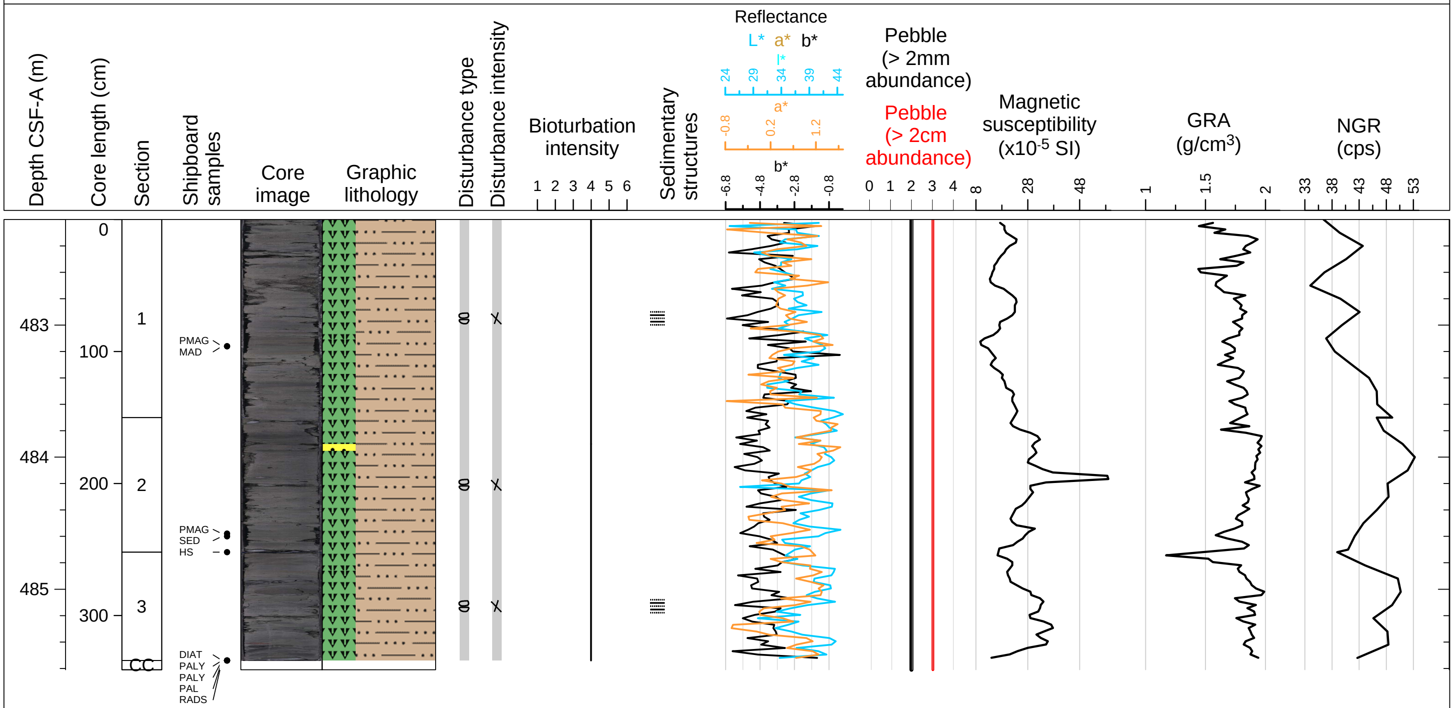
Hole 382-U1536E Core 16R, Interval 472.6-476.69 m (CSF-A)

interbedded dark greenish grey diatom bearing silty clay and sandy silty clays, IRD was identified throughout the core via VCD and X-ray slabs



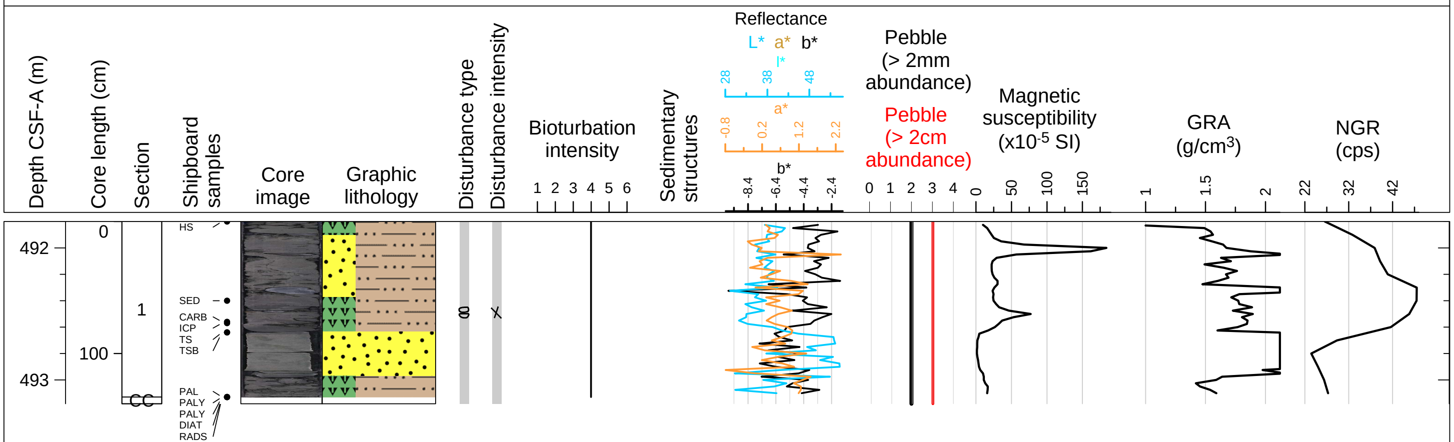
Hole 382-U1536E Core 17R, Interval 482.2-485.61 m (CSF-A)

dark greenish grey diatom bearing silty clay, IRD was identified via VCD and X-ray slabs



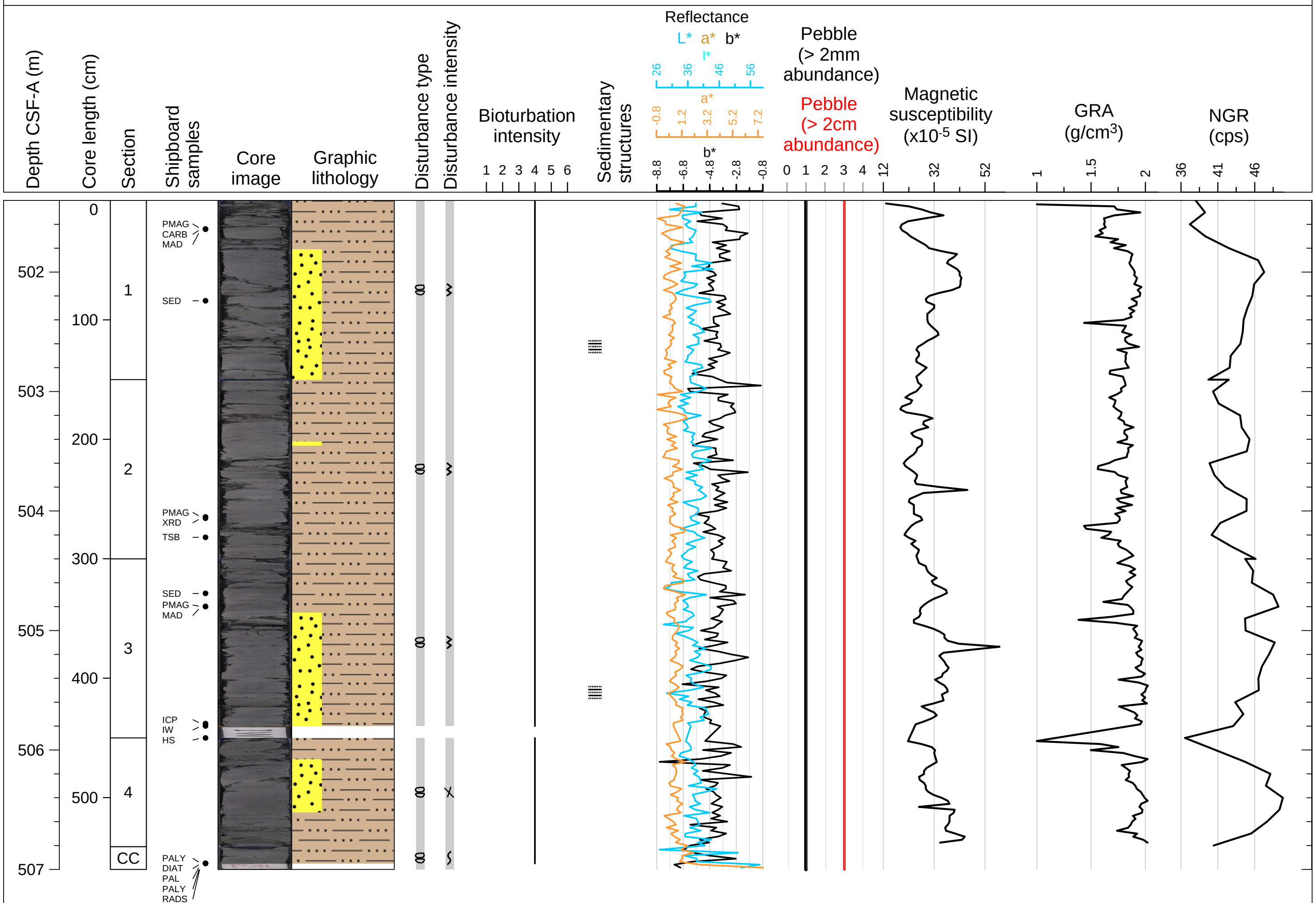
Hole 382-U1536E Core 18R, Interval 491.8-493.18 m (CSF-A)

dark greenish grey diatom bearing silty clay, greenish layered sandstone (87-117 cm), IRD was identified via VCD and X-ray slabs



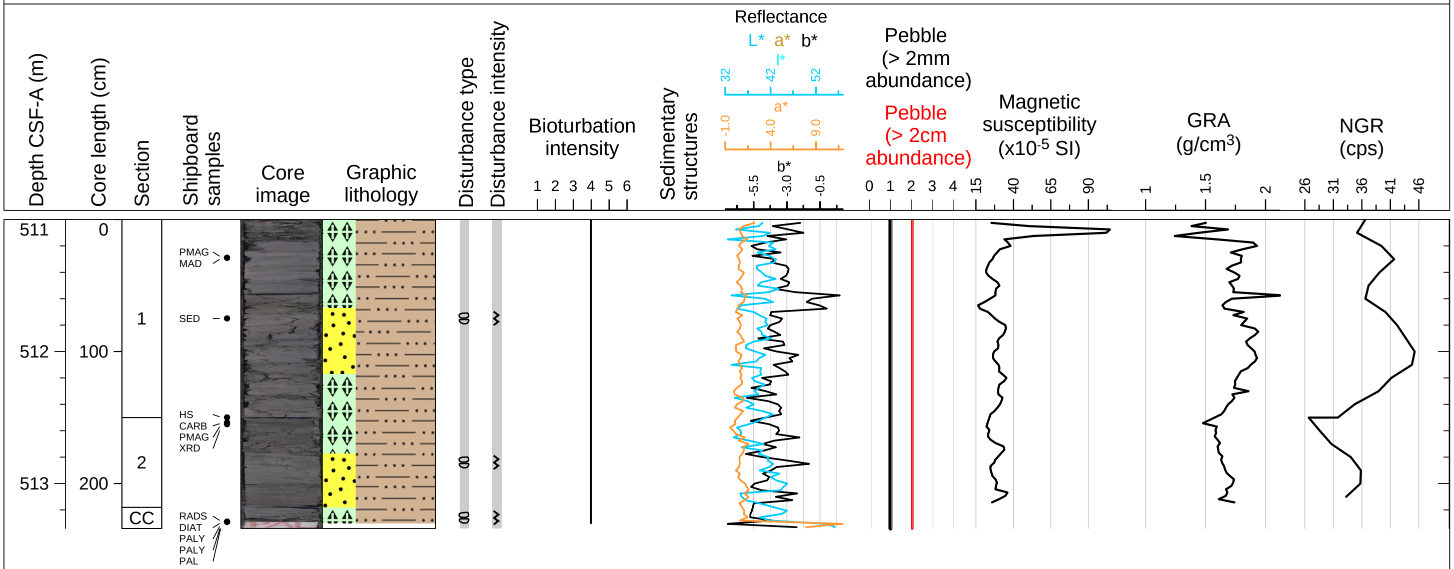
Hole 382-U1536E Core 19R, Interval 501.4-507.0 m (CSF-A)

5G_/1 4/1 dark greenish gray silty clay



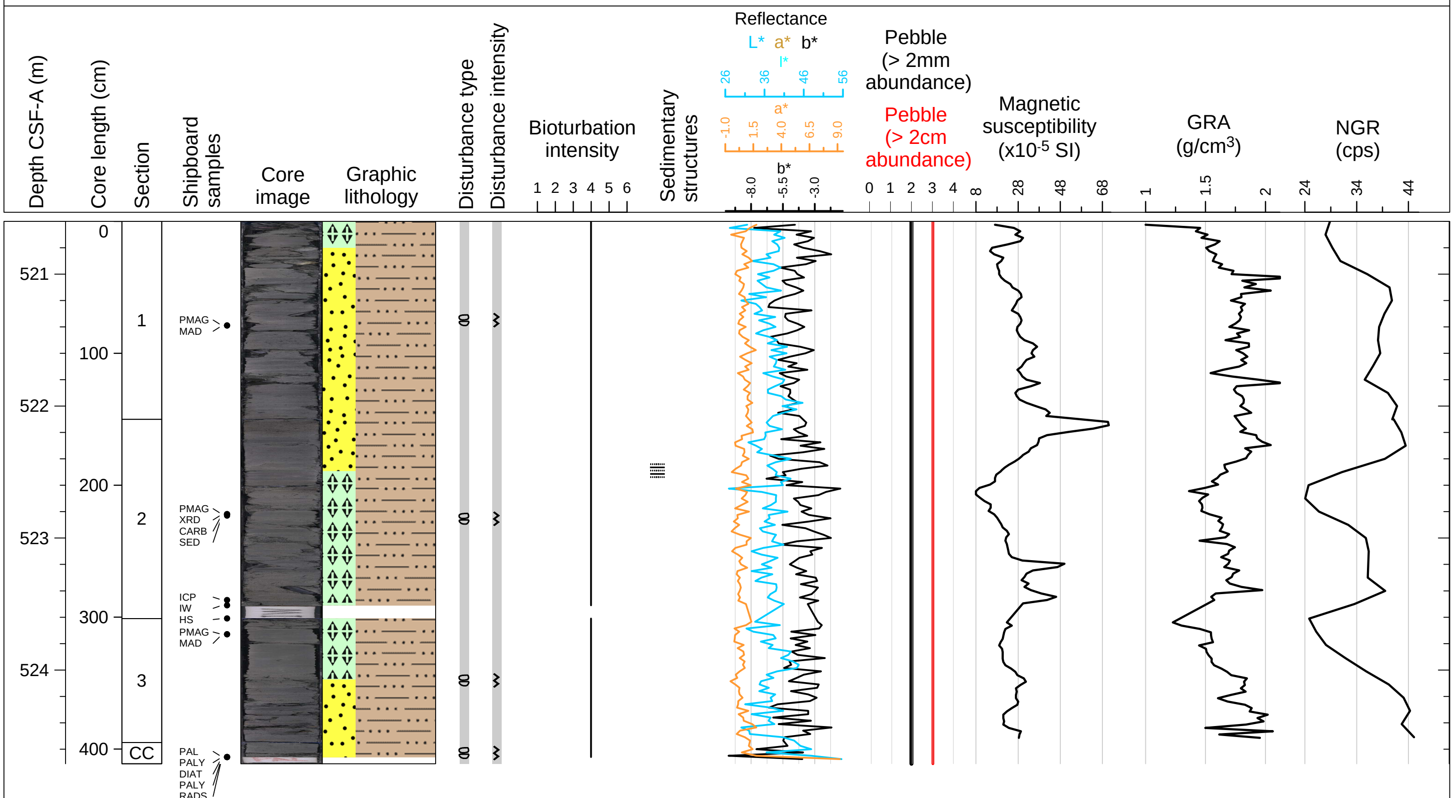
Hole 382-U1536E Core 20R, Interval 511.0-513.34 m (CSF-A)

5G_/1 4/1 dark greenish gray biosiliceous bearing silty clay with sandy silty clay.



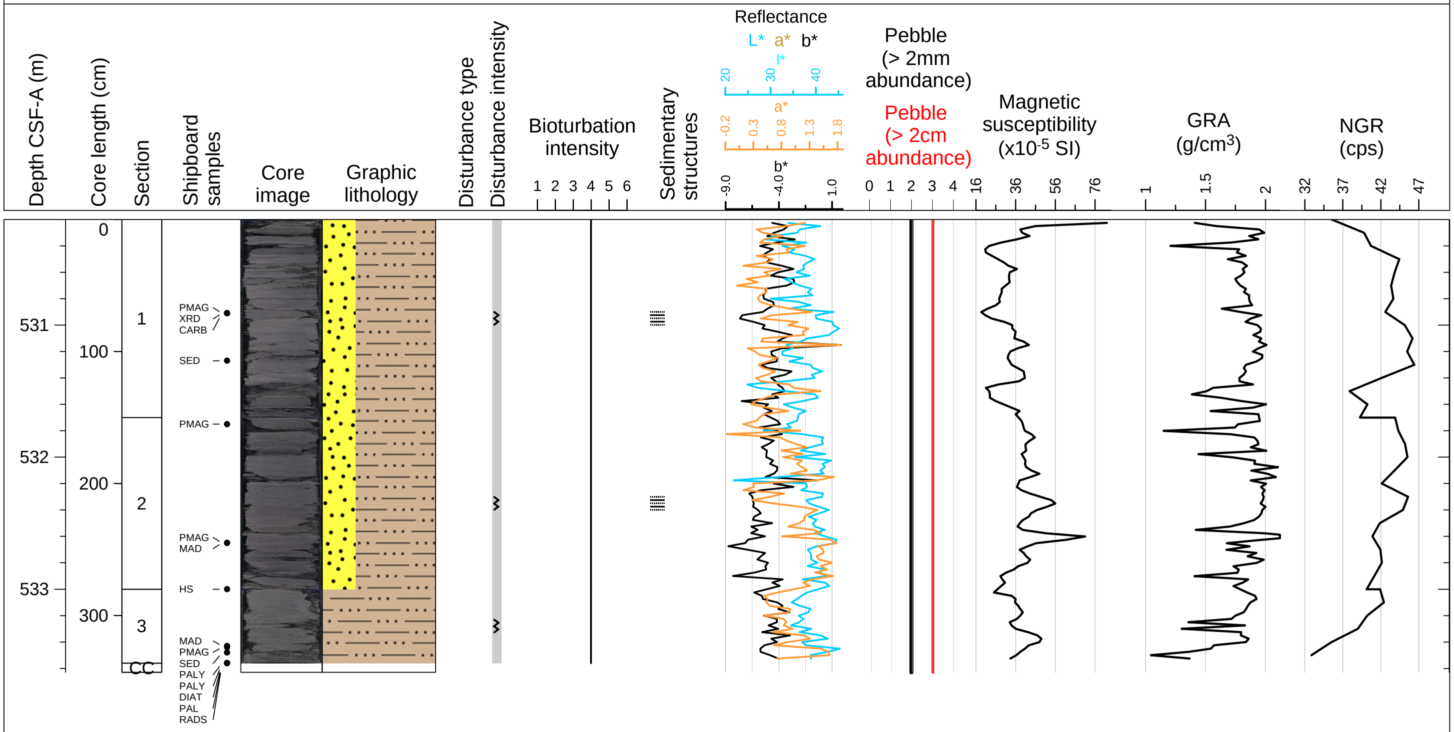
Hole 382-U1536E Core 21R, Interval 520.6-524.71 m (CSF-A)

5G_/1 4/1 dark greenish gray biosiliceous bearing silty clay with sandy silty clay. abundant dropstones (granitic and sedimentary).



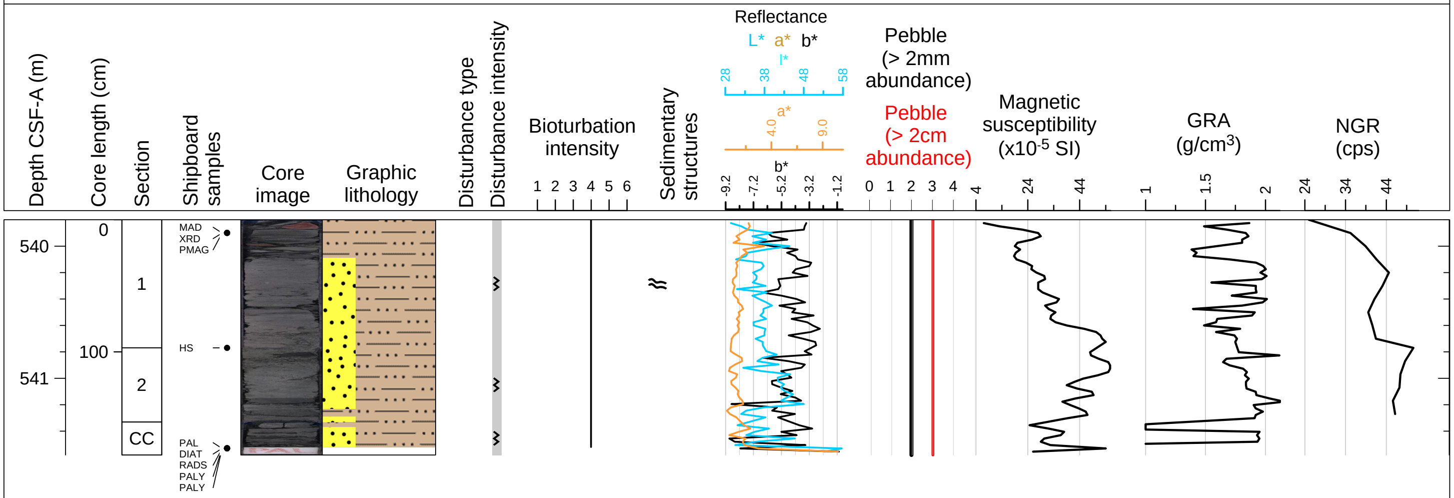
Hole 382-U1536E Core 22R, Interval 530.2-533.63 m (CSF-A)

5G_1/ 4/1 dark greenish gray sandy silty clay and silty clay both with a wide variety of sizes and compositions of dropstones. Nothing is in place.



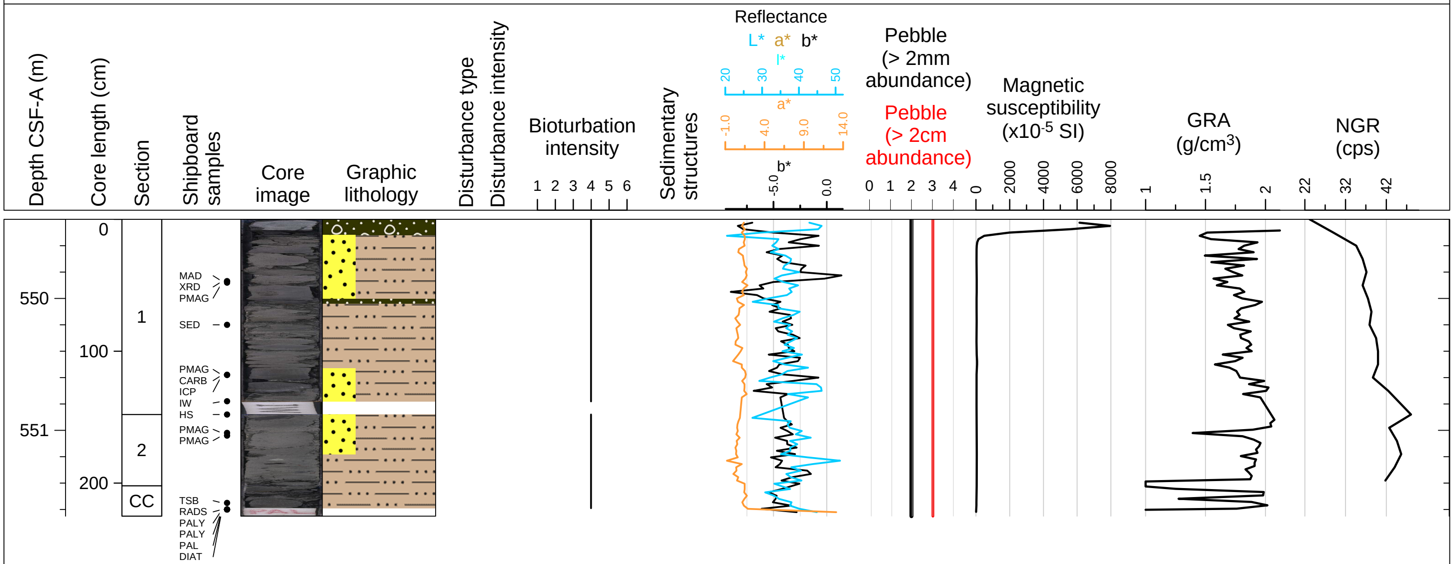
Hole 382-U1536E Core 23R, Interval 539.8-541.58 m (CSF-A)

5G_1/ 4/1 dark greenish gray sandy silty clay and silty clay. A wide variety of sizes and compositions of dropstones. Nothing is in place.



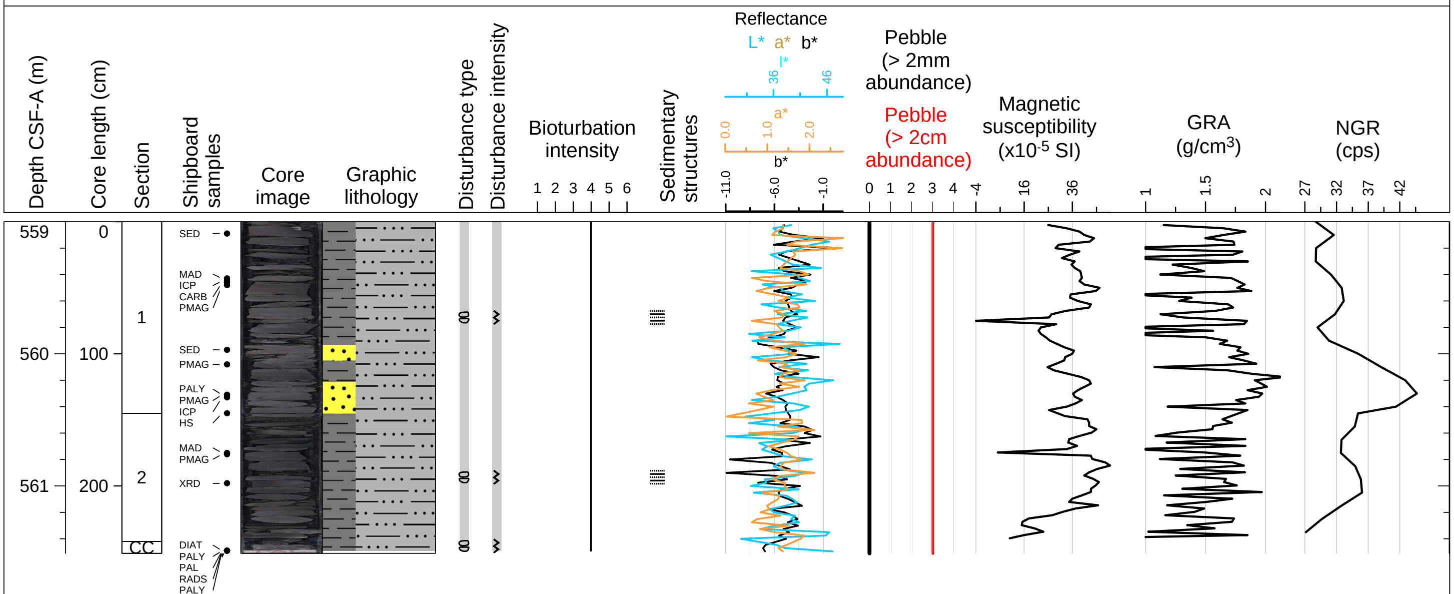
Hole 382-U1536E Core 24R, Interval 549.4-551.65 m (CSF-A)

5G_1/ 4/1 dark greenish gray sandy silty clay and silty clay biscuits within drilling sludge matrix. A wide variety of sizes and compositions of dropstones. Nothing is in place



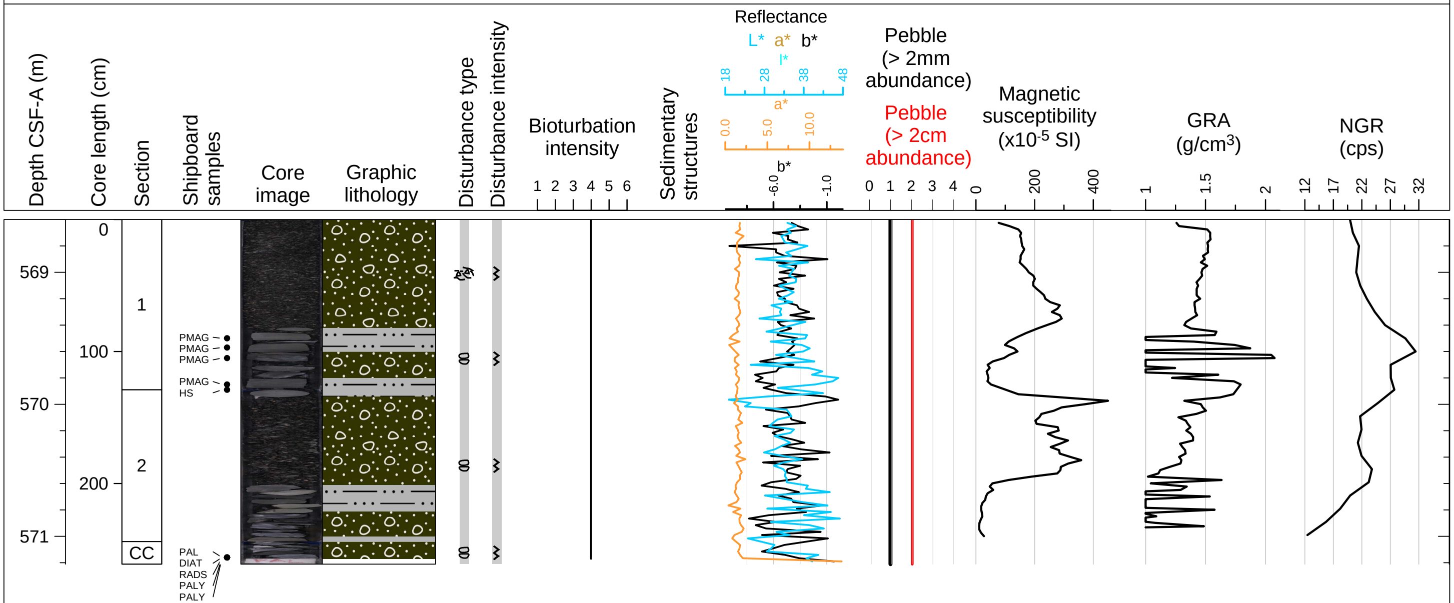
Hole 382-U1536E Core 25R, Interval 559.0-561.51 m (CSF-A)

highly biscuited lithified clayey and sandy mud, IRD was identified throughout the core via VCD and X-ray slabs



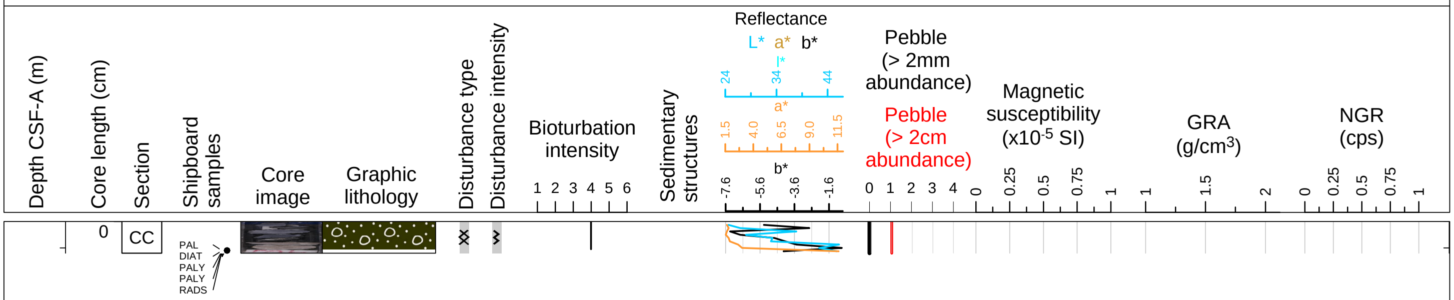
Hole 382-U1536E Core 26R, Interval 568.6-571.21 m (CSF-A)

Totally disturbed. consists of 0.3cm-0.5cm gravels and biscuited, dropstones and mudstones. Two garnets were found in one dropstone of Section 1A .



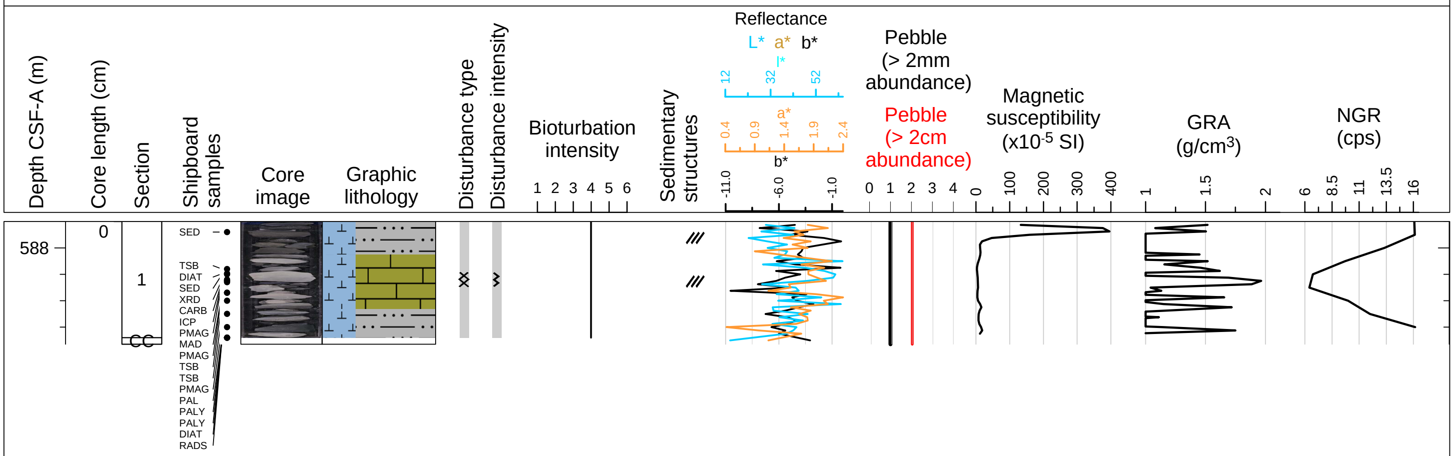
Hole 382-U1536E Core 27R, Interval 578.2-578.44 m (CSF-A)

Totally disturbed. consists of biscuited sediments, dropstones, and highly consolidated mud stone



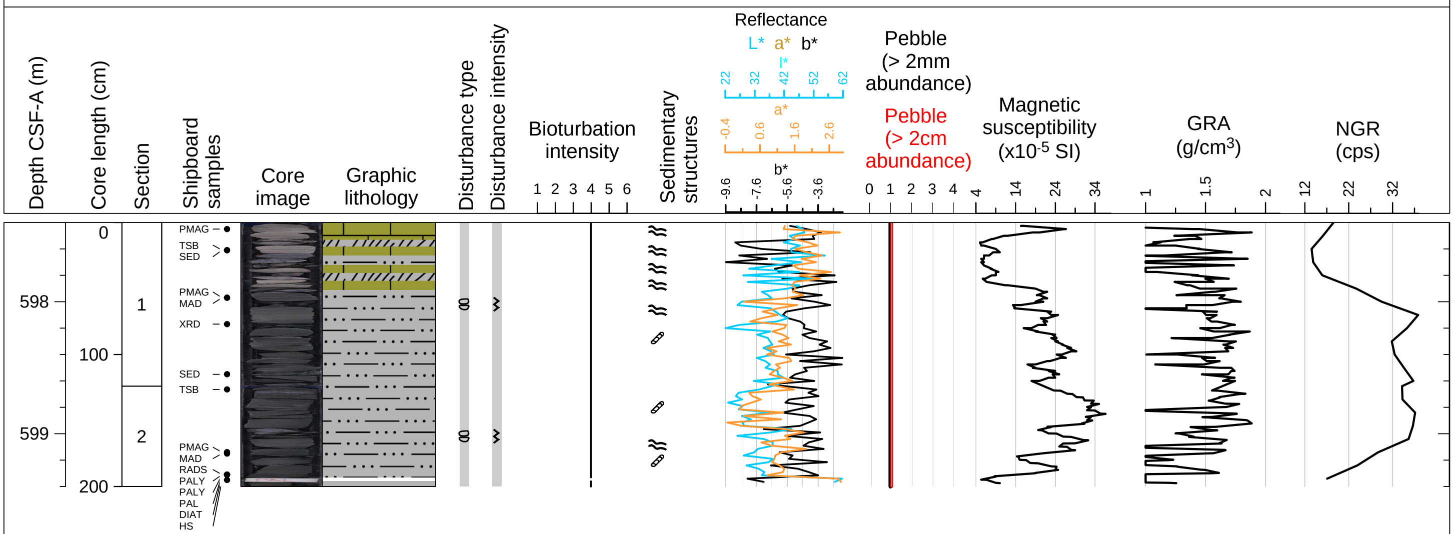
Hole 382-U1536E Core 28R, Interval 587.8-588.73 m (CSF-A)

Totally disturbed. consists of biscuited sediments, dropstones, and nannofossil bearing mud stone, lighter grey interval from 25-66 cm, strong reaction with HCl, nannofossil ooze Other biscuits and dropstones show weaker yet noticeable reaction with HCl



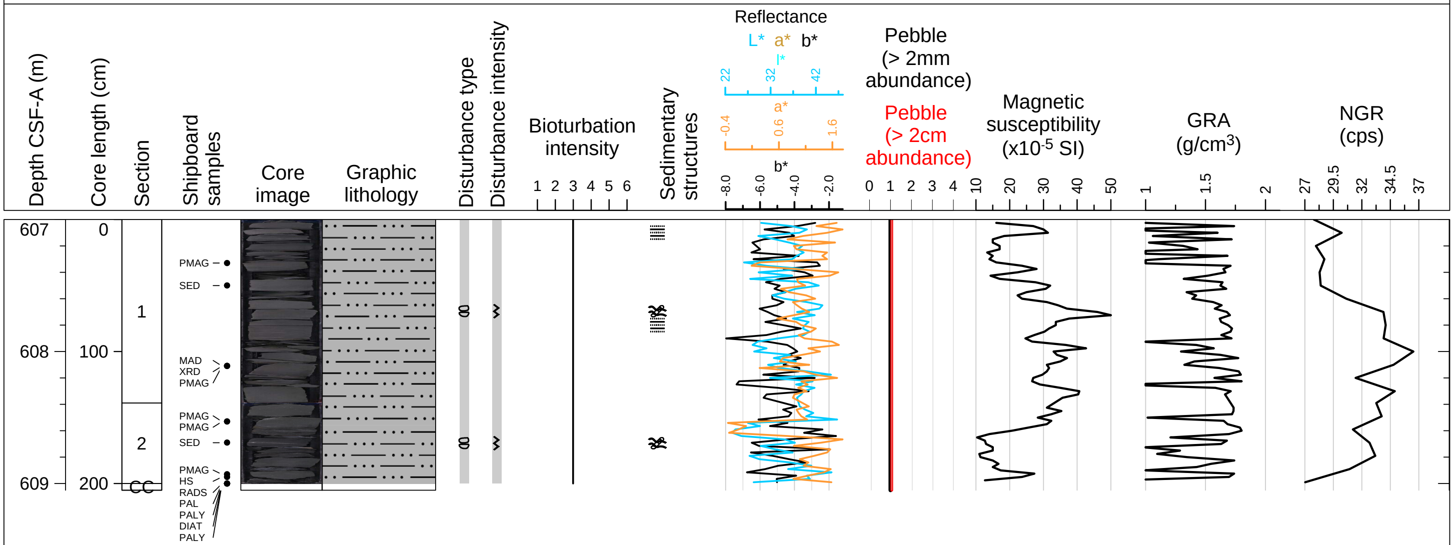
Hole 382-U1536E Core 29R, Interval 597.4-599.4 m (CSF-A)

Predominantly color banded mudstone (5G 4/1 dark greenish gray) and limestone. Medium bluish gray(5B 5/1) mudstone and marble (very hard limestone) are present. Mudstone contains abundant silt-filled burrows and rare laminations.



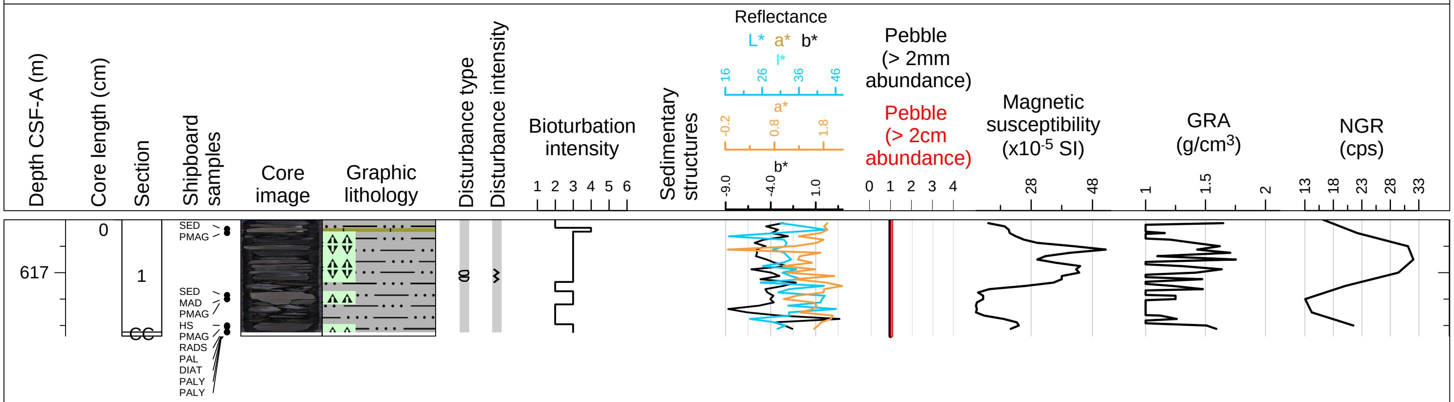
Hole 382-U1536E Core 30R, Interval 607.0-609.05 m (CSF-A)

laminated mud stone with silt burrows. There is carbonate ash in Section 2A from 34cm to 37cm.



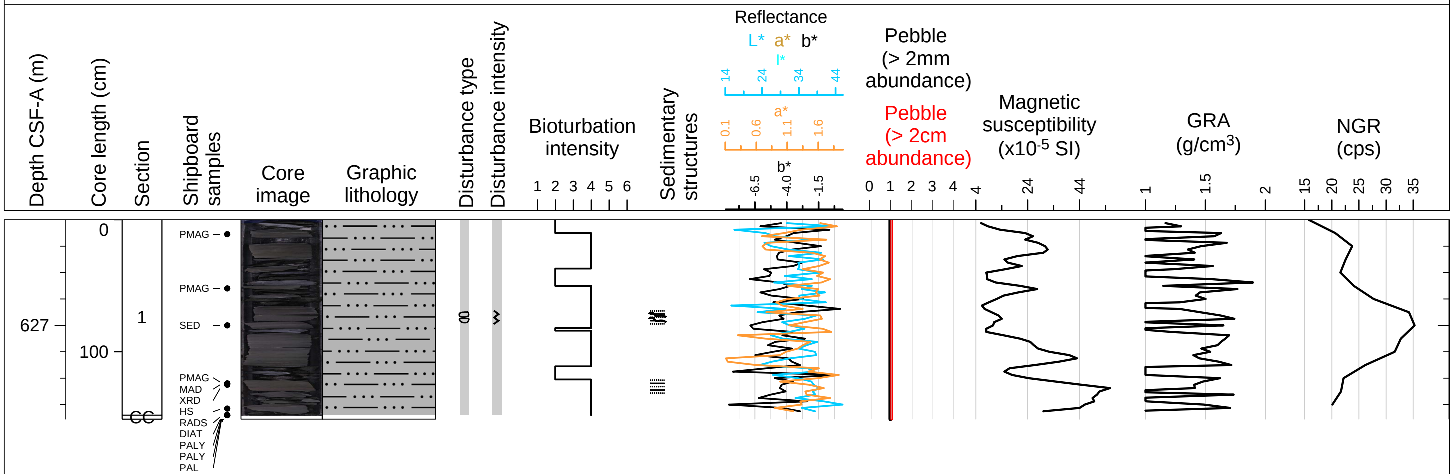
Hole 382-U1536E Core 31R, Interval 616.6-617.48 m (CSF-A)

Laminated and bioturbated mudstone biscuits with with ash layers at 7-9 and 47-48 cm.



Hole 382-U1536E Core 32R, Interval 626.2-627.71 m (CSF-A)

laminated mud stone



Hole 382-U1536E Core 33R, Interval 635.8-638.5 m (CSF-A)

Predominantly laminated mudstone with abundant bioturbation and a sharp contact in Section 2, 95 cm. Limestone biscuit, Section 2, 80-87 cm.