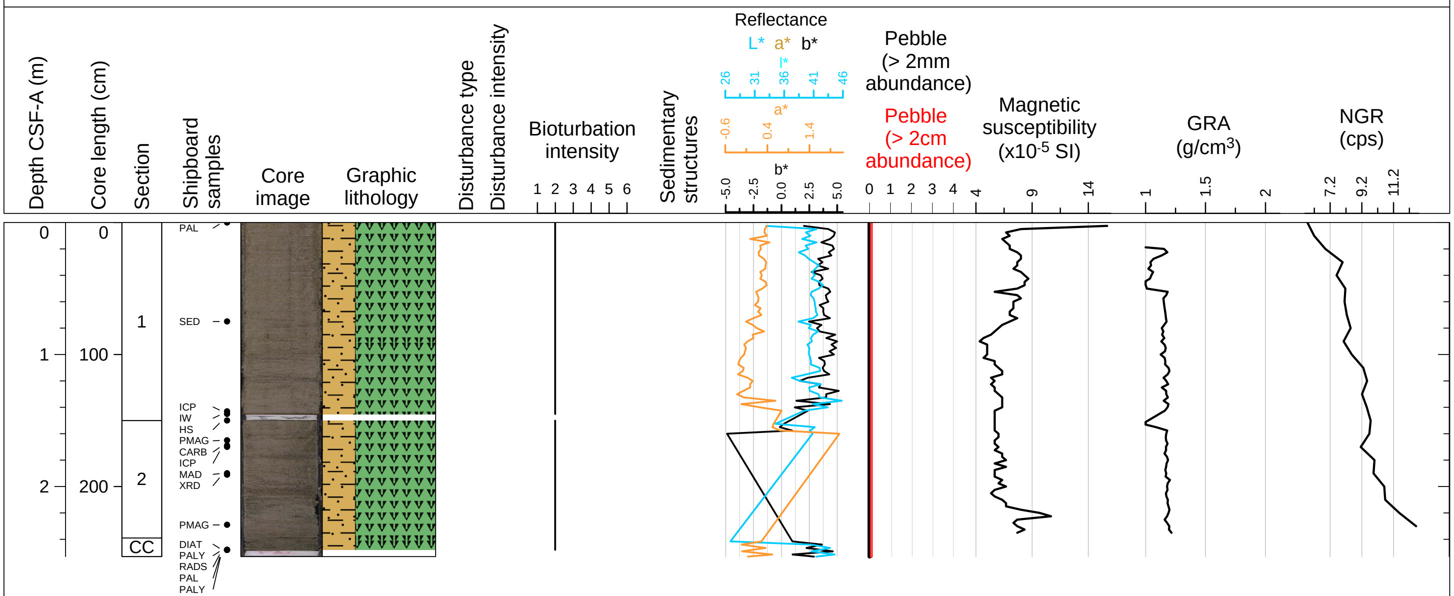
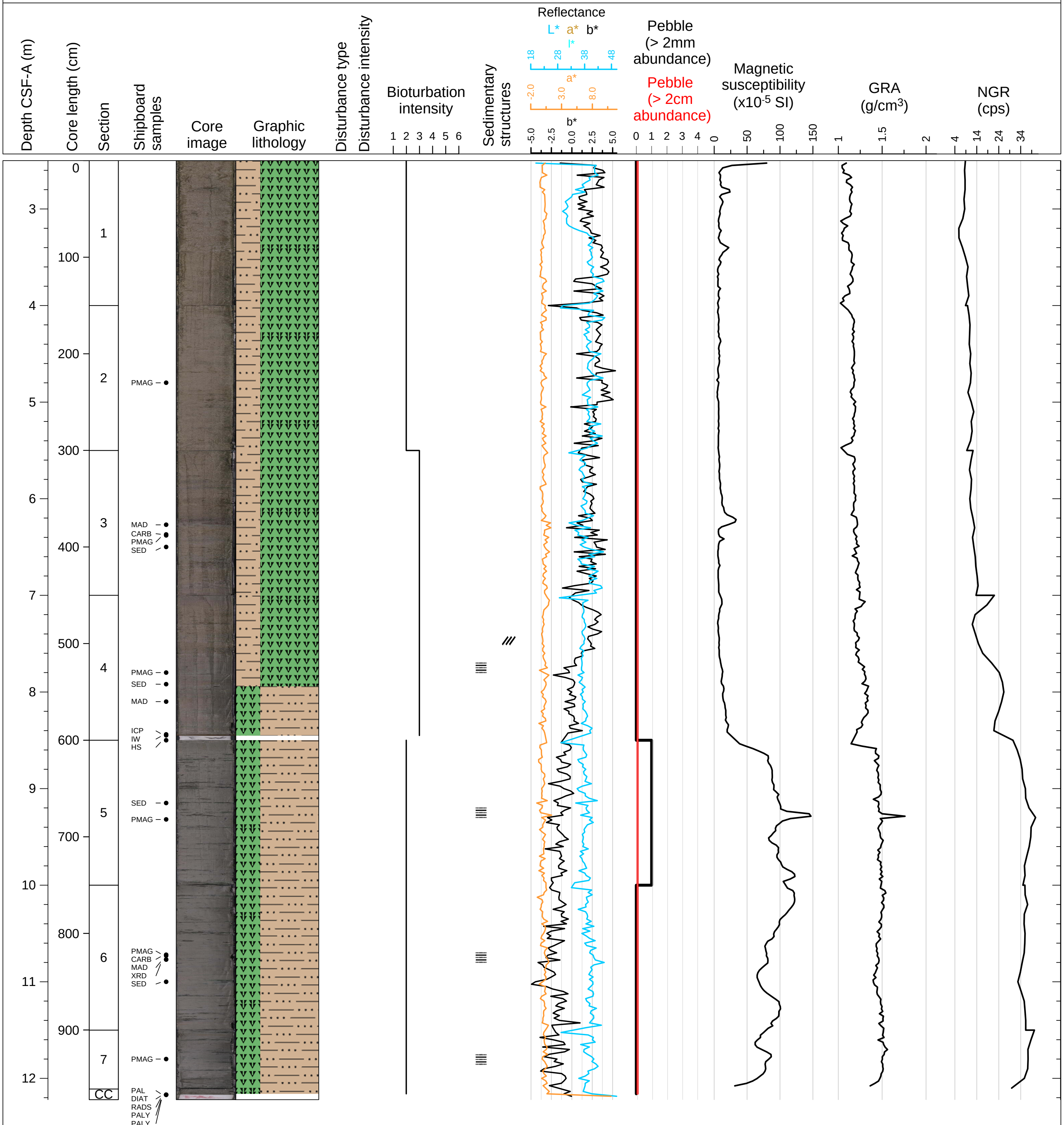
Hole 382-U1537A Core 1H, Interval 0.0-2.53 m (CSF-A)

dark greenish grey diatom ooze



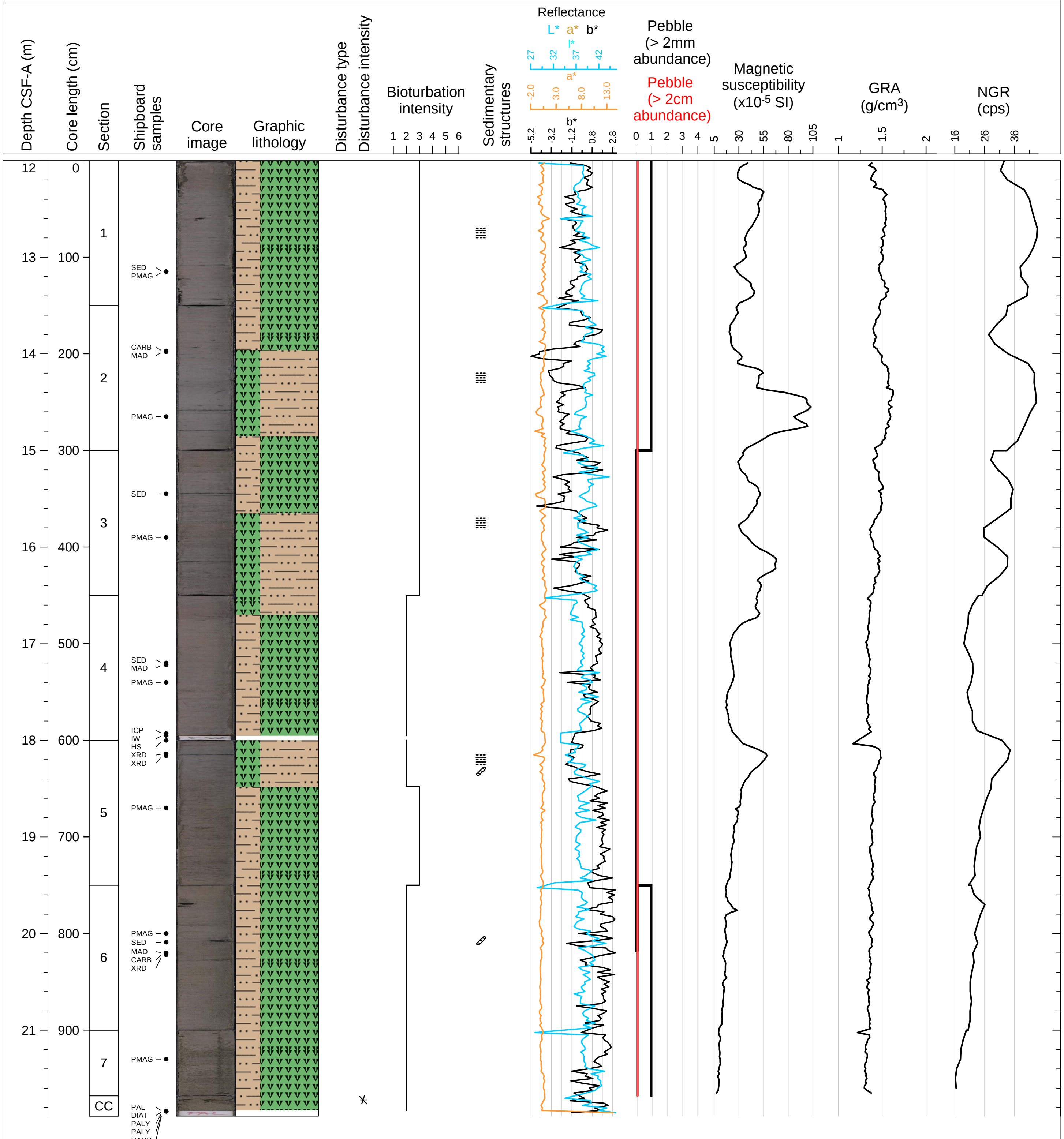
Hole 382-U1537A Core 2H, Interval 2.5-12.22 m (CSF-A)

interbedded dark greenish grey silty clayey diatom ooze and dark greenish grey color banded silty clay, dark green diatom bearing clayey silt



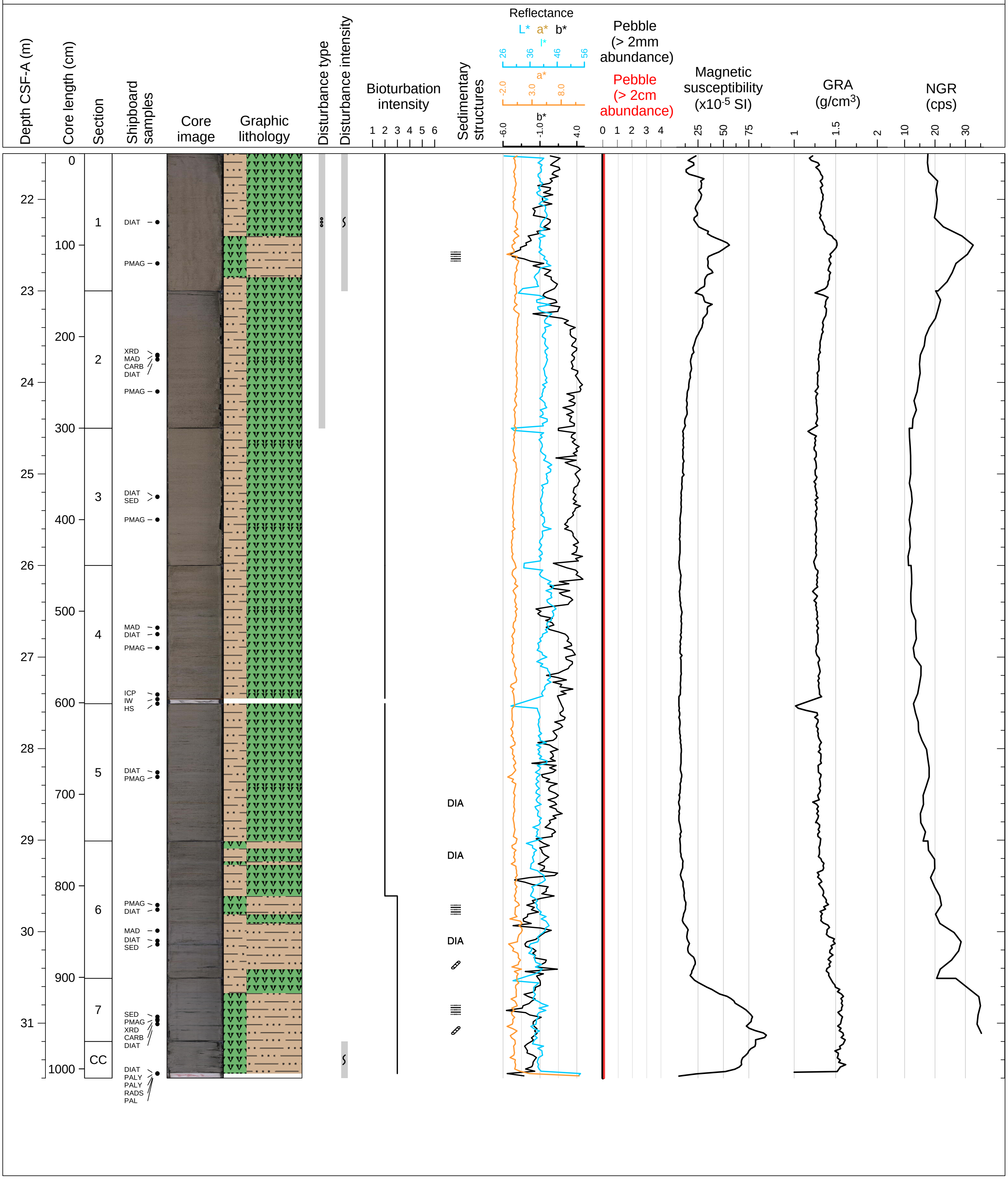
Hole 382-U1537A Core 3H, Interval 12.0-21.89 m (CSF-A)

interbedded dark greenish gray and greenish gray silty clayey diatom ooze and diatom rich silty clay with a few color bandings in Section 1A, 2A, 3A and top of 5A and a few clasts



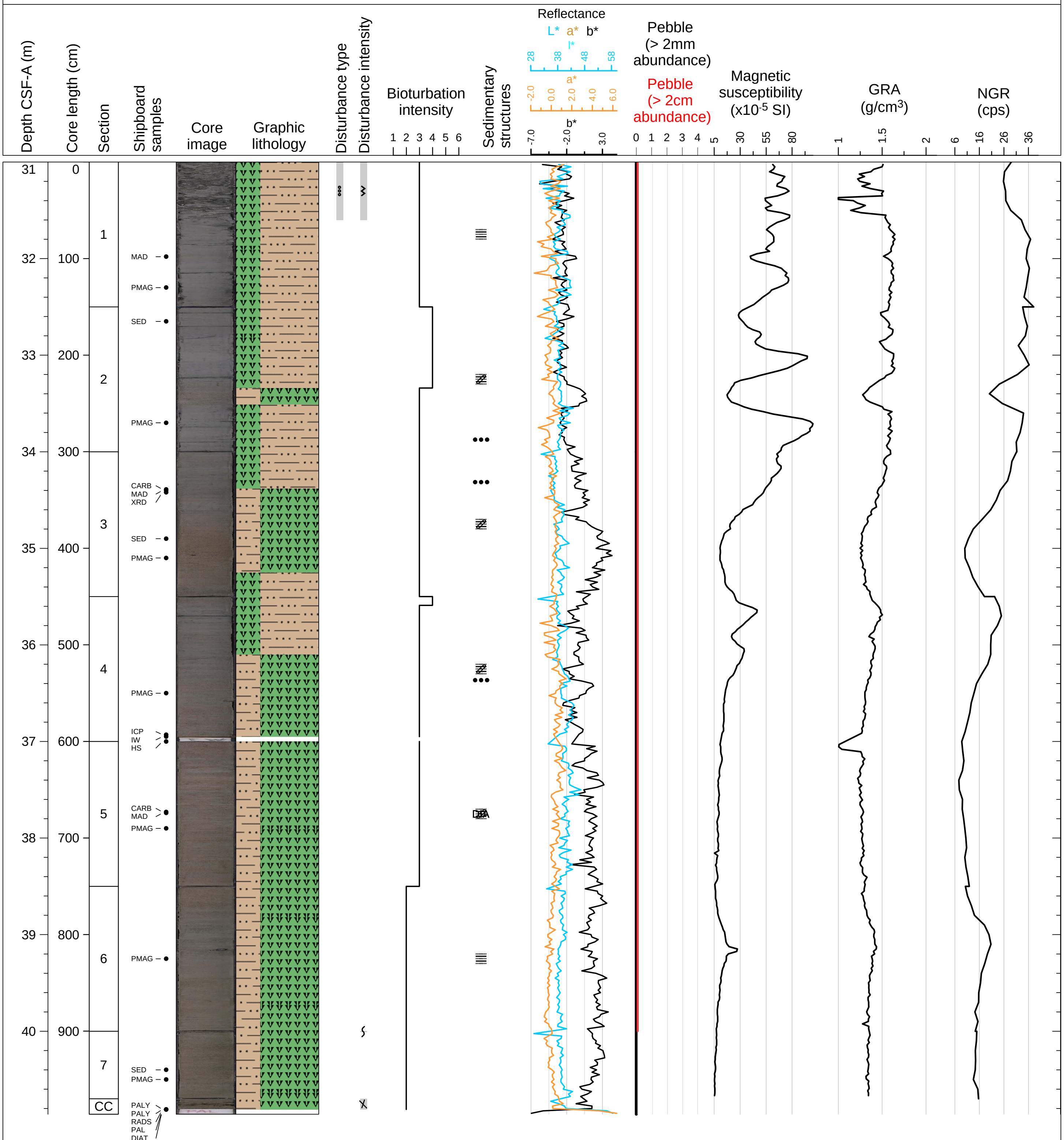
Hole 382-U1537A Core 4H, Interval 21.5-31.6 m (CSF-A)

Interbedded silty clayey diatom ooze greenish gray (10Y 5/1) and diatom rich silty clay greenish gray (10GY 5/1). Droptsones and bioturbation were minor.



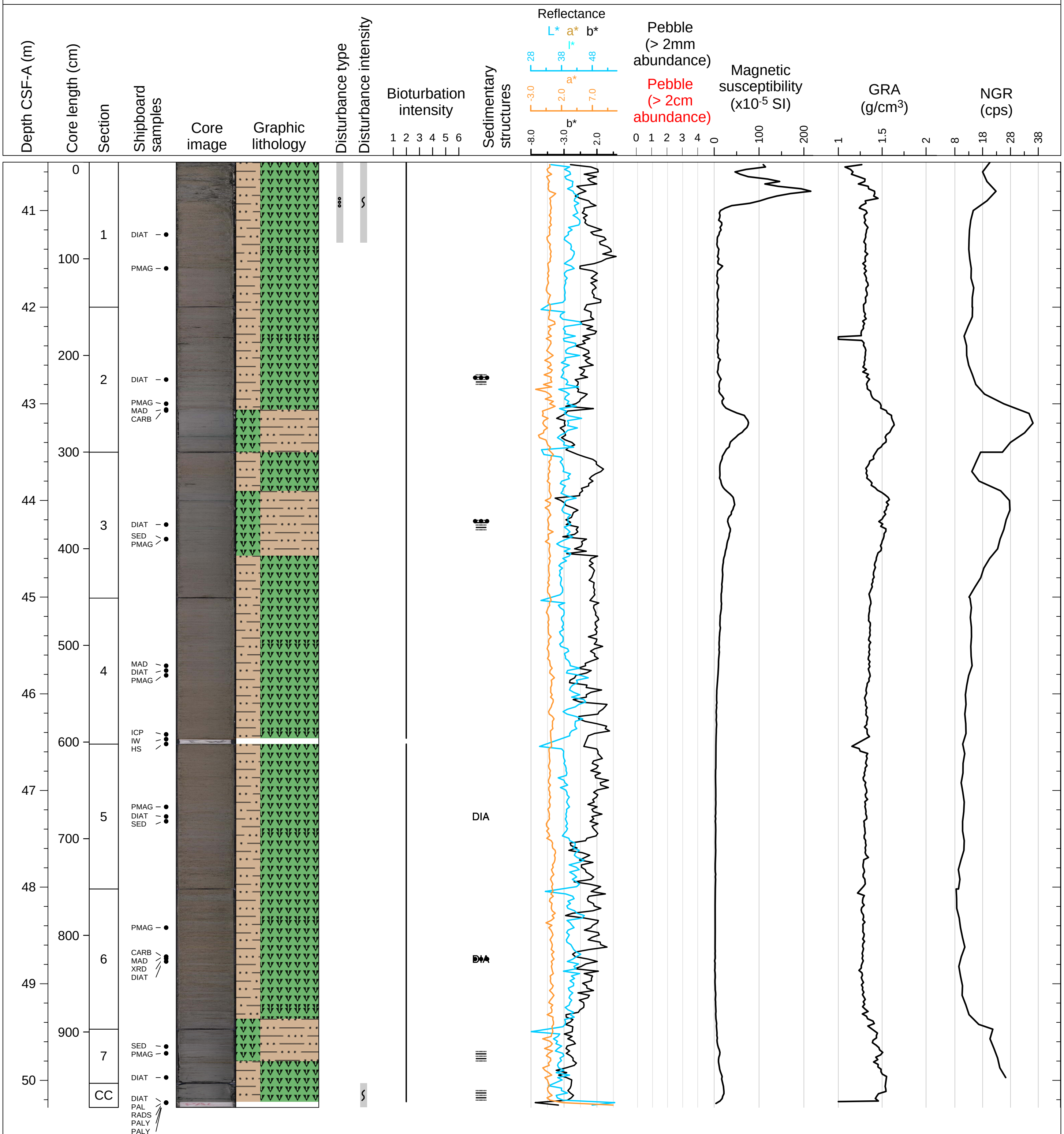
Hole 382-U1537A Core 5H, Interval 31.0-40.86 m (CSF-A)

Interbedded greensih gray(10Y 5/1) gray silty clayey diatom ooze and greensih gray(10GY 5/1) diatom rich silty clay with a few color bandings.



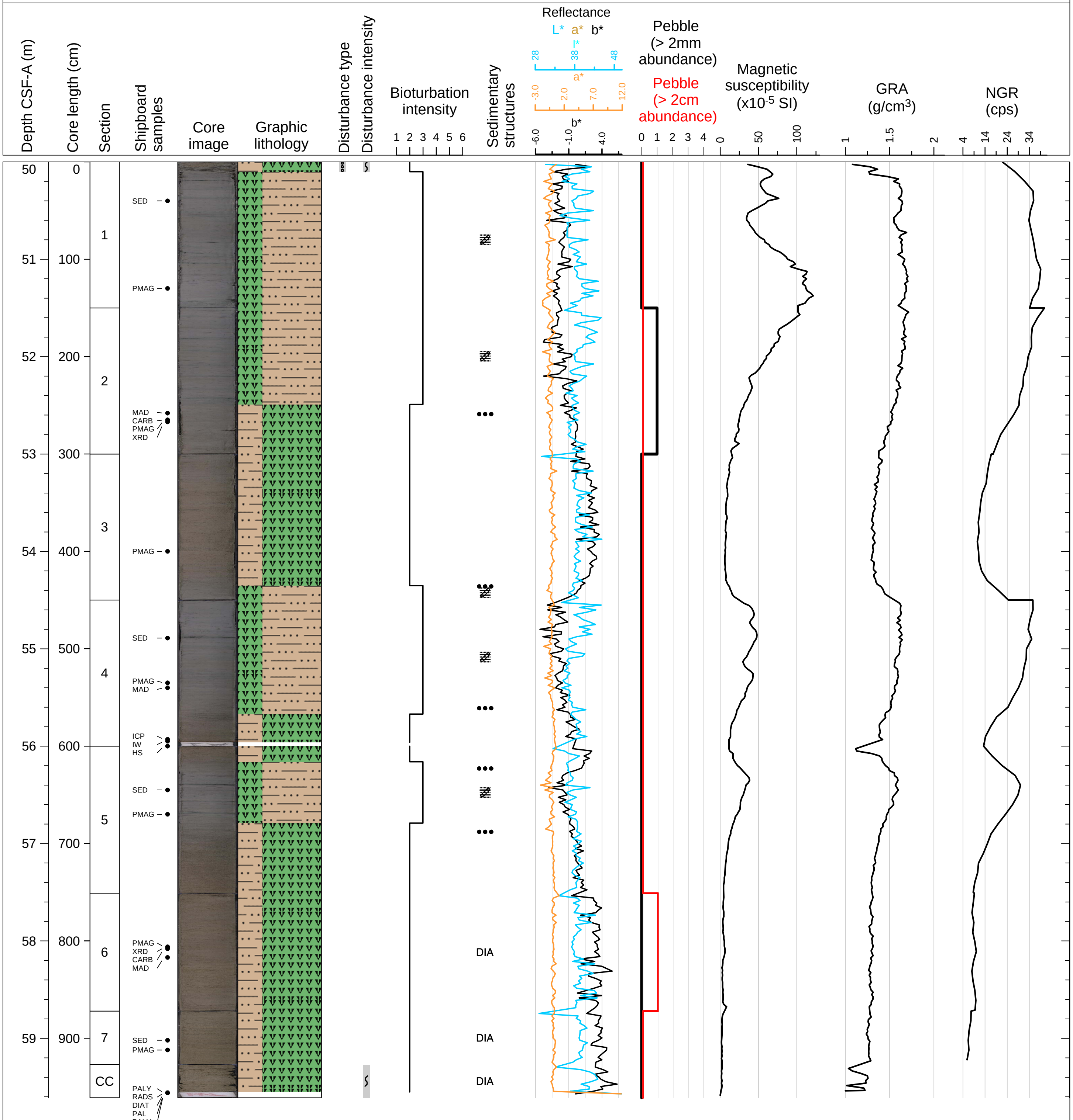
Hole 382-U1537A Core 6H, Interval 40.5-50.28 m (CSF-A)

Interbedded greenish gray silty clayey diatom ooze with diatom matts and diatom rich silty clay with color banding.



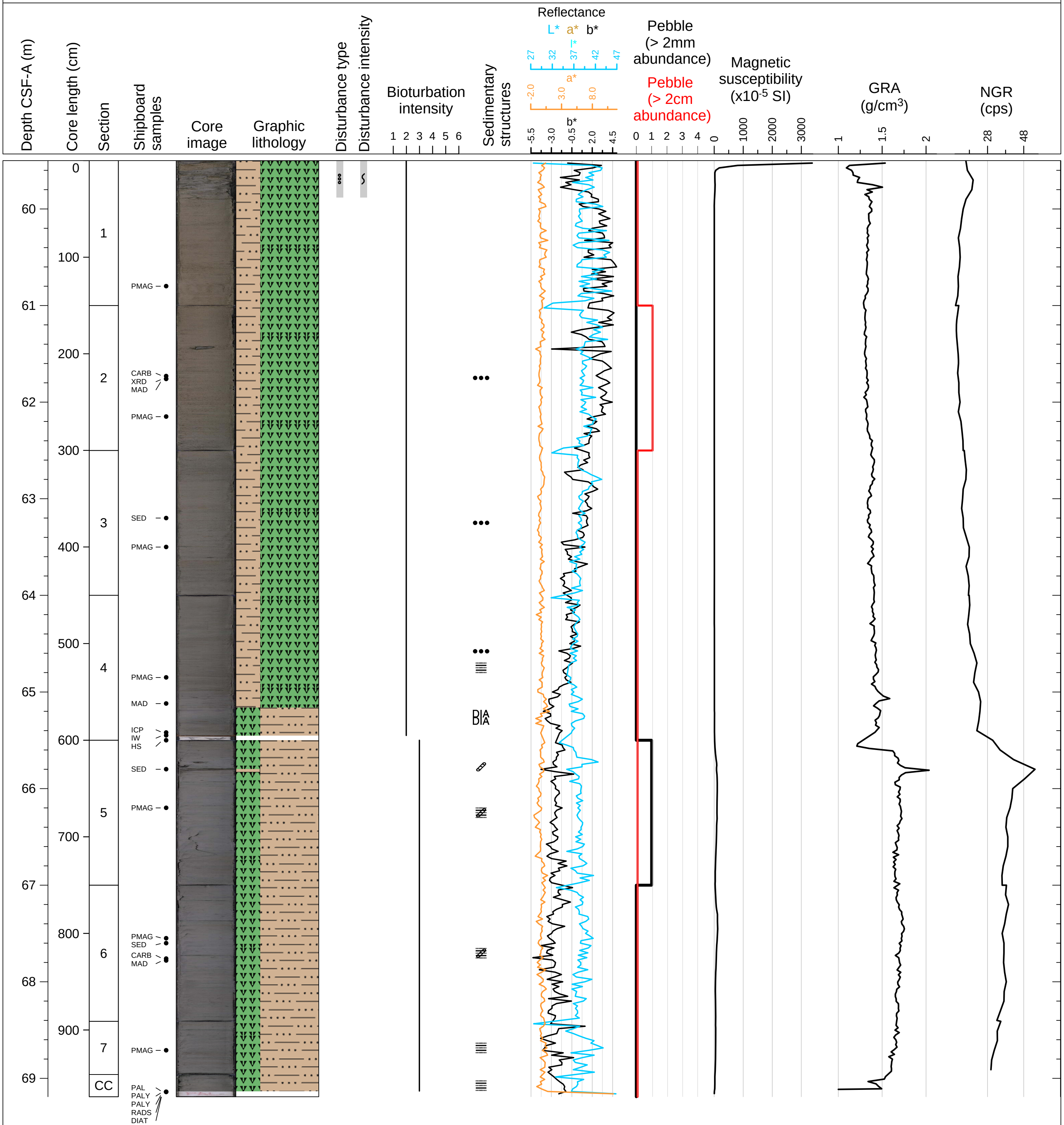
Hole 382-U1537A Core 7H, Interval 50.0-59.61 m (CSF-A)

Interbedded greenish gray silty clayey diatom ooze (10Y 5/1) with diatom matts and diatom rich silty clay (10GY 5/1) with color banding and distinct hallow burrows. Transitions between the lithologies are gradual.



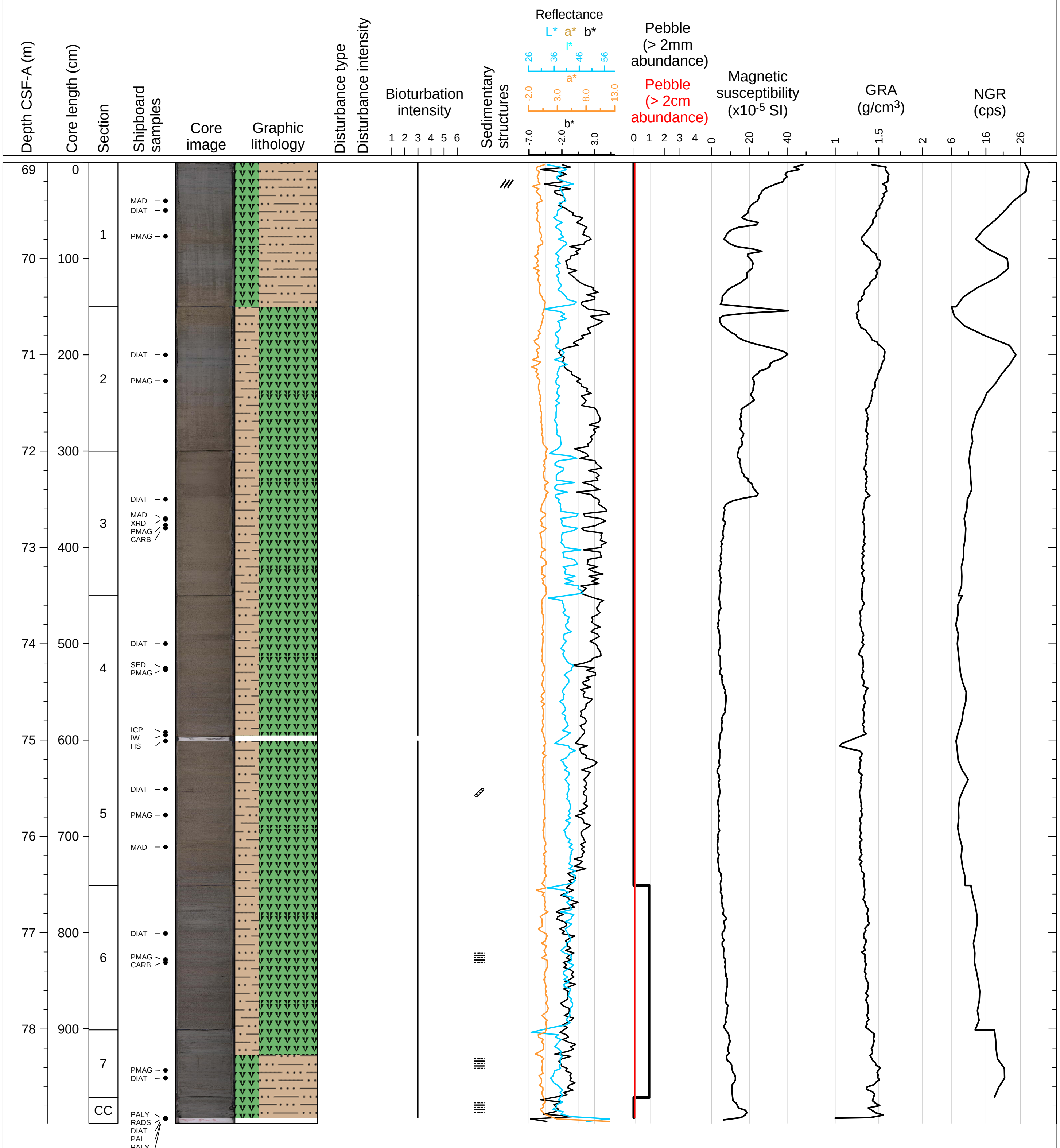
Hole 382-U1537A Core 8H, Interval 59.5-69.19 m (CSF-A)

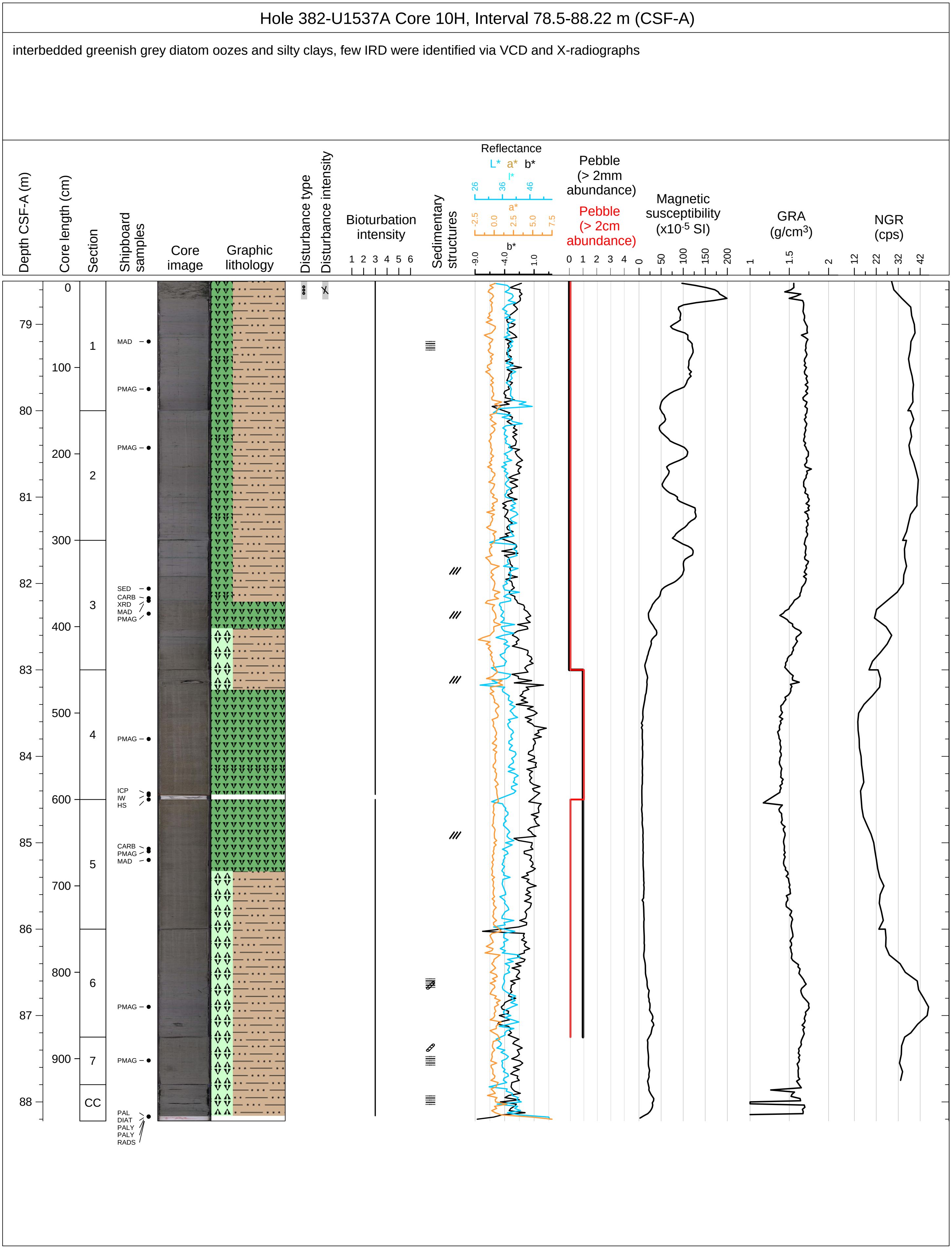
There are two lithology A and B. A is silty clay diatom ooze. B is diatom bearing silty clay. Section 3A, 4A is gradual transition A and B.



Hole 382-U1537A Core 9H, Interval 69.0-78.98 m (CSF-A)

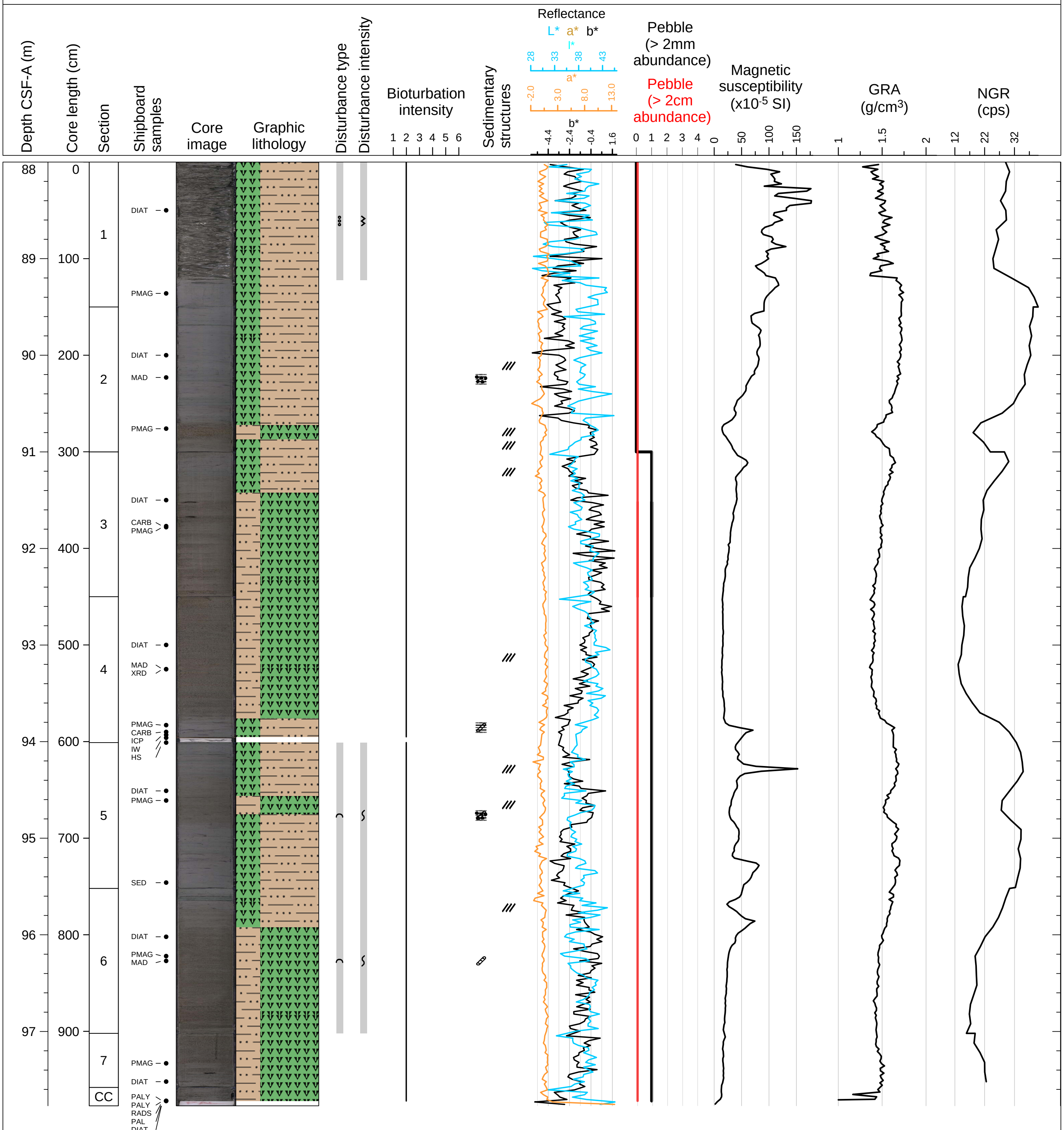
interbedded greenish grey spicule bearing diatom ooze and dark greenish grey diatom bearing silty clay, few minor dropstones in sections 6A and 7A




Hole 382-U1537A Core 10H, Interval 78.5-88.22 m (CSF-A)
interbedded greenish grey diatom oozes and silty clays, few IRD were identified via VCD and X-radiographs
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)
MAD
PMAG
SED
CARB
XRD
ICP
IW
HS
PAL
DIAT
PALY
RADS
CC

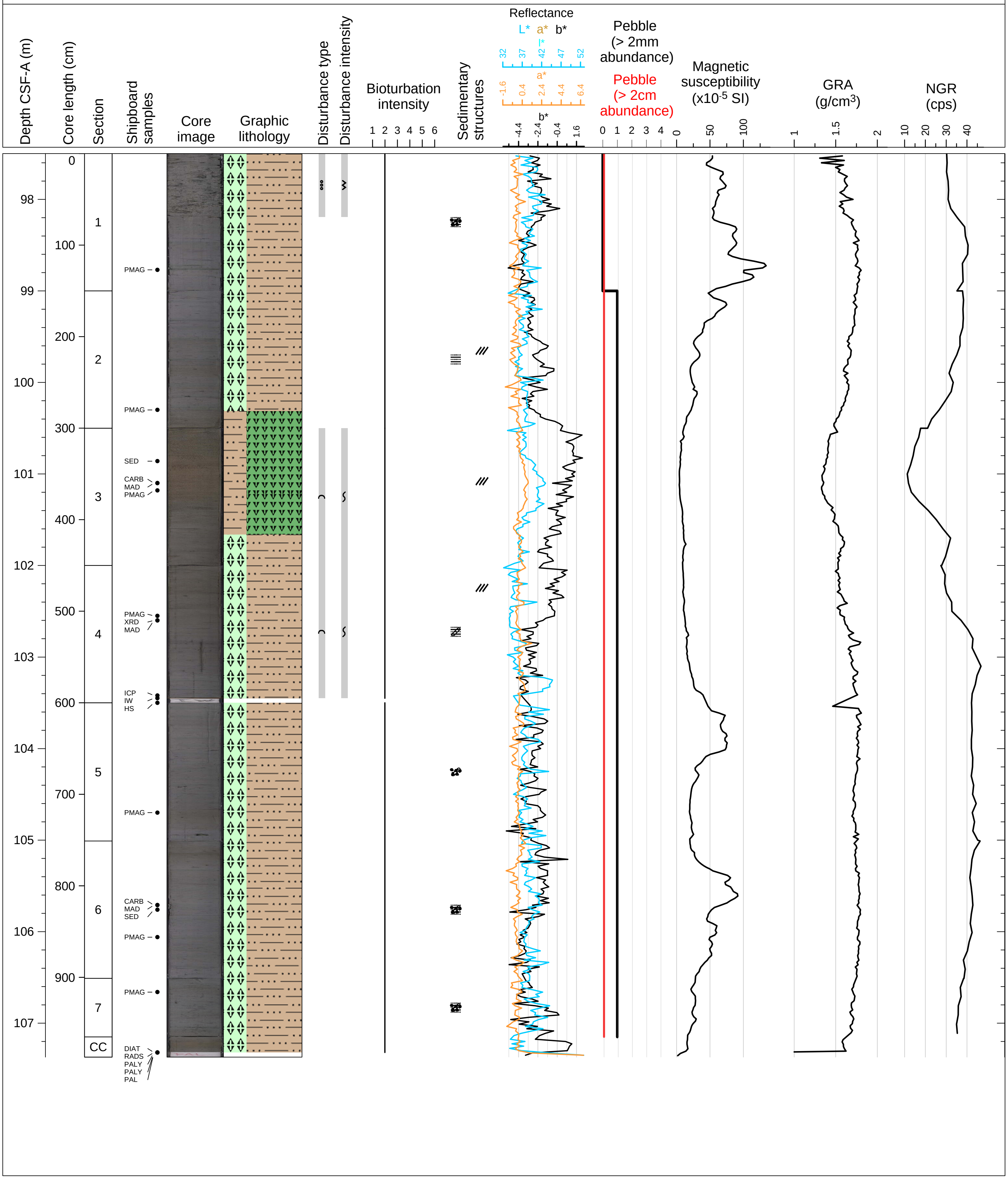
Hole 382-U1537A Core 11H, Interval 88.0-97.77 m (CSF-A)

interbedded greenish grey diatom oozes and silty clays, few IRD were identified via VCD and X-radiographs, several dark green diatom bearing (diagenetic) layers embedded in the silty clays



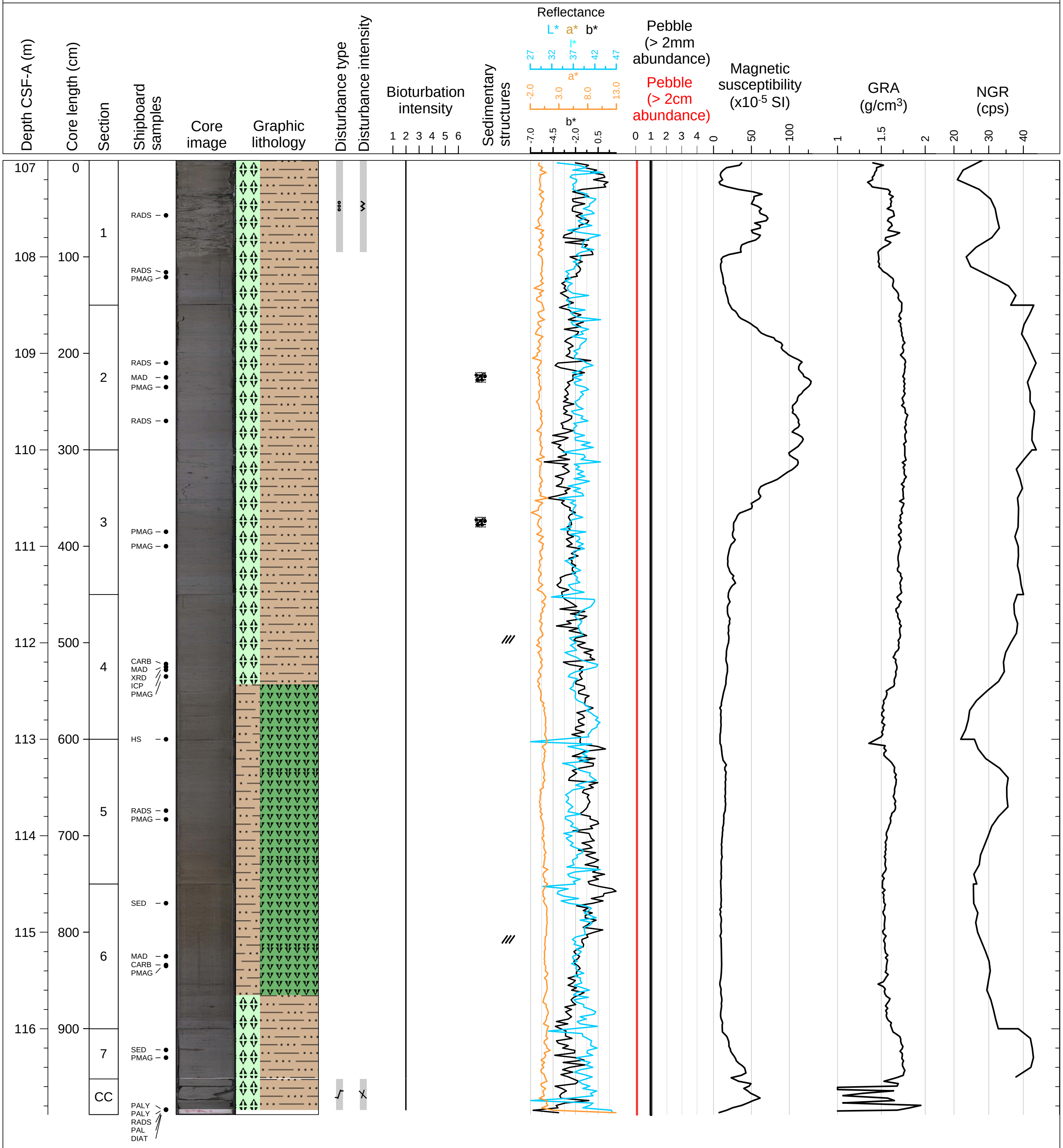
Hole 382-U1537A Core 12H, Interval 97.5-107.37 m (CSF-A)

interbedded dark greenish grey silty clay and dark greenish grey diatom ooze, few IRD was identified via VCD and X-radiographs



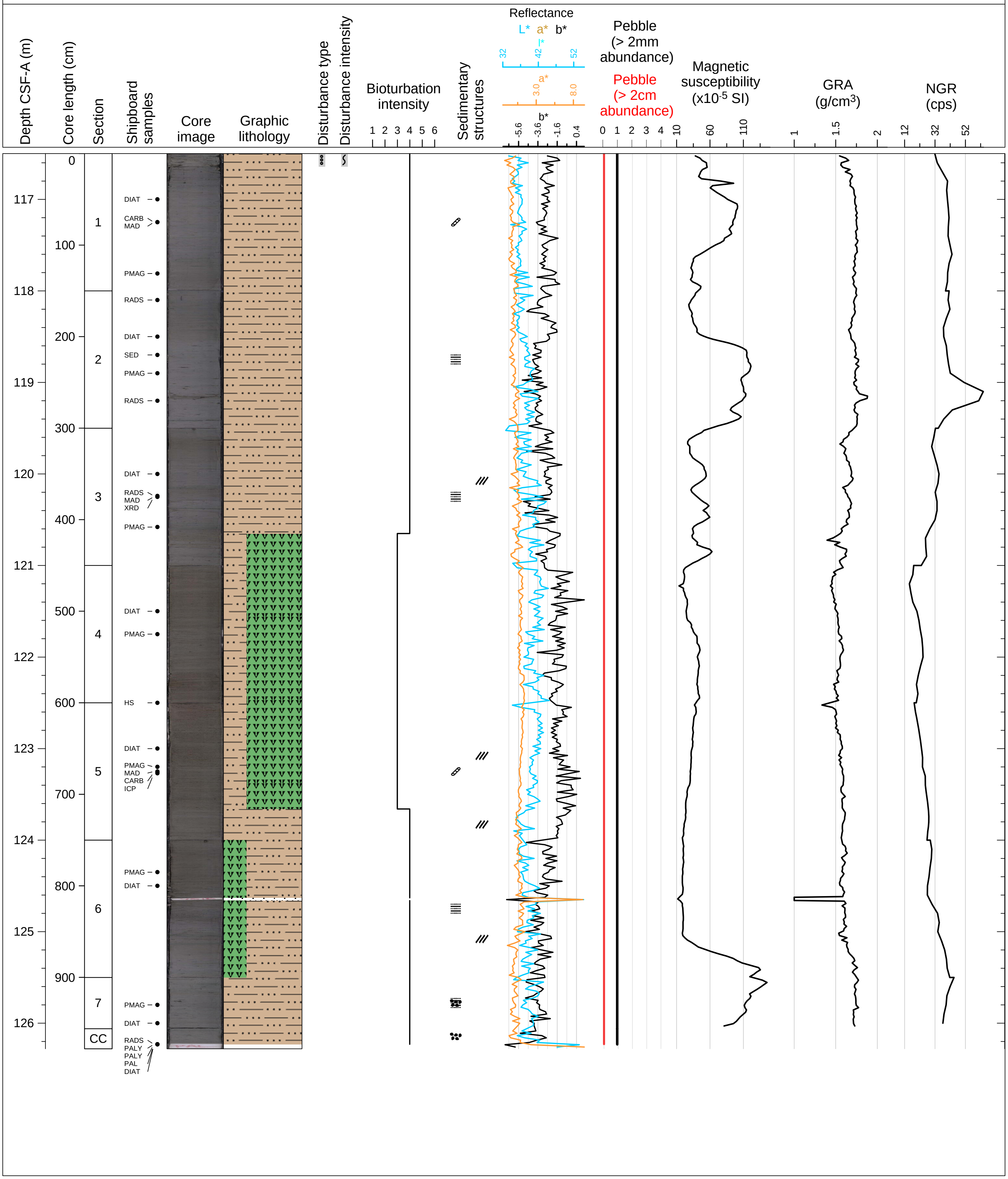
Hole 382-U1537A Core 13H, Interval 107.0-116.89 m (CSF-A)

interbedded dark greenish grey silty clay and dark greenish grey diatom ooze, few IRD was identified via VCD and X-radiographs



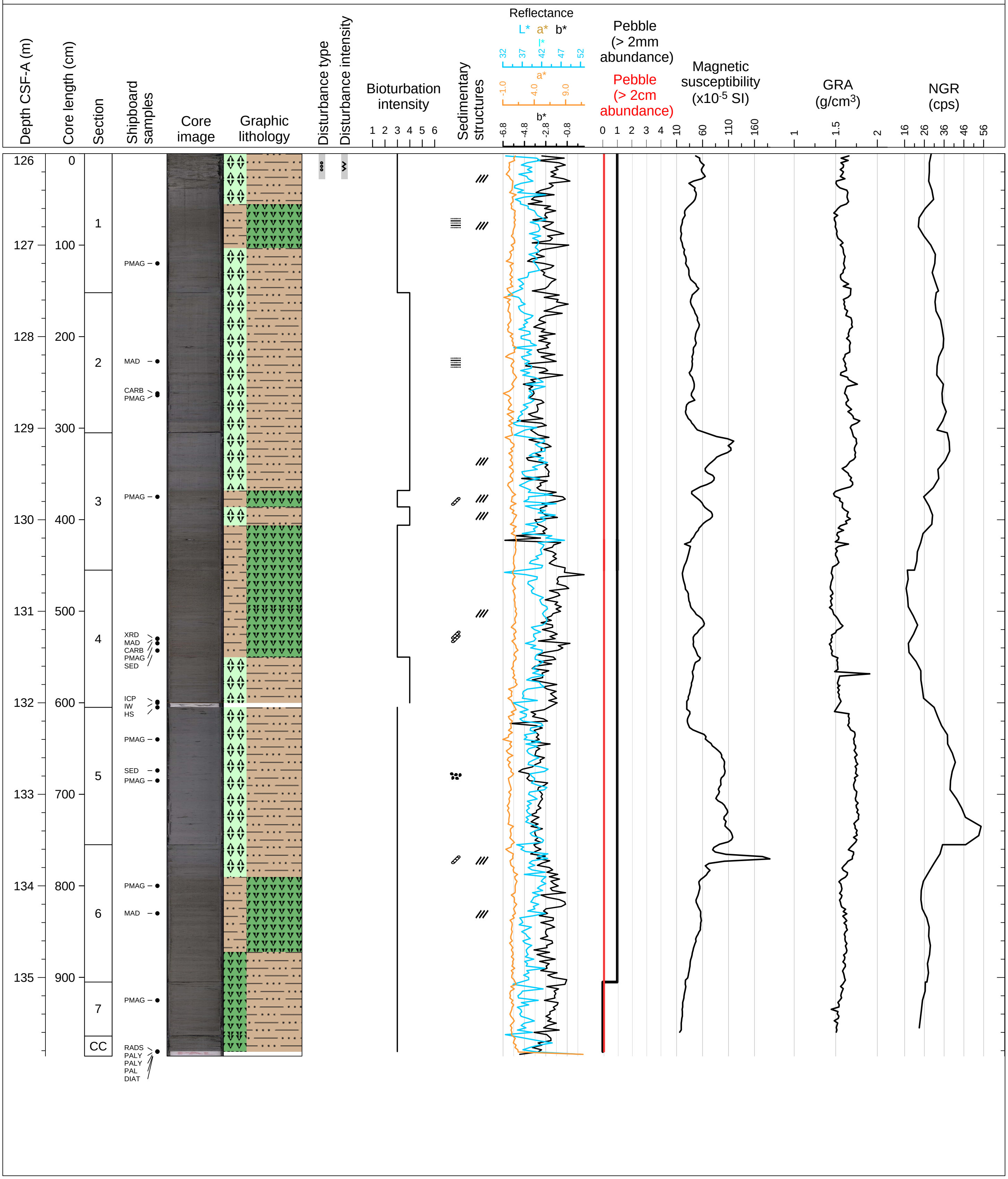
Hole 382-U1537A Core 14H, Interval 116.5-126.28 m (CSF-A)

interbedded dark greenish grey silty clay and dark greenish grey diatom ooze, few IRD was identified via VCD and X-radiographs



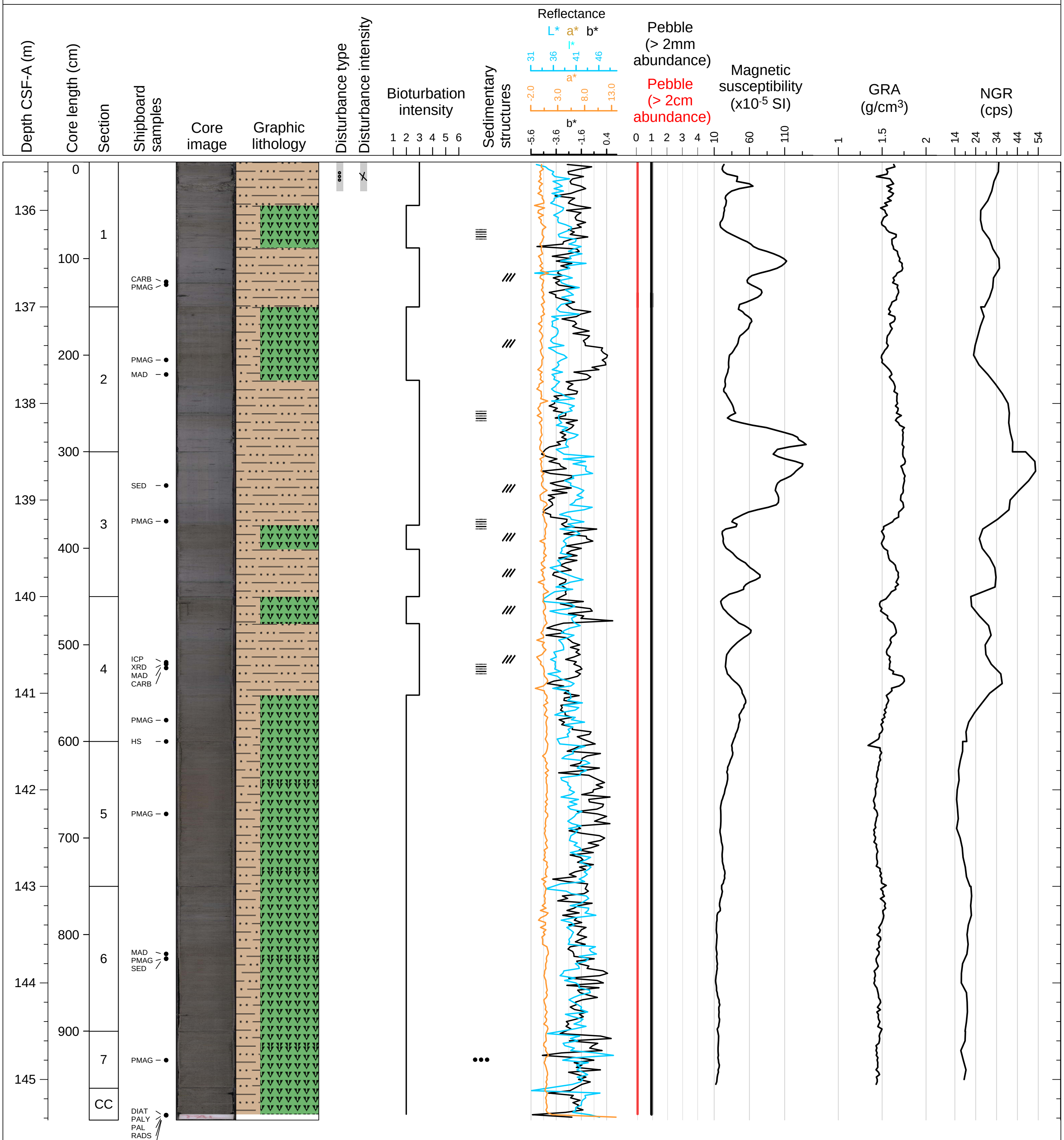
Hole 382-U1537A Core 15H, Interval 126.0-135.86 m (CSF-A)

interbedded silty clay rich diatom oozes and silty clays, few IRD was identified via VCD and X-radiographs



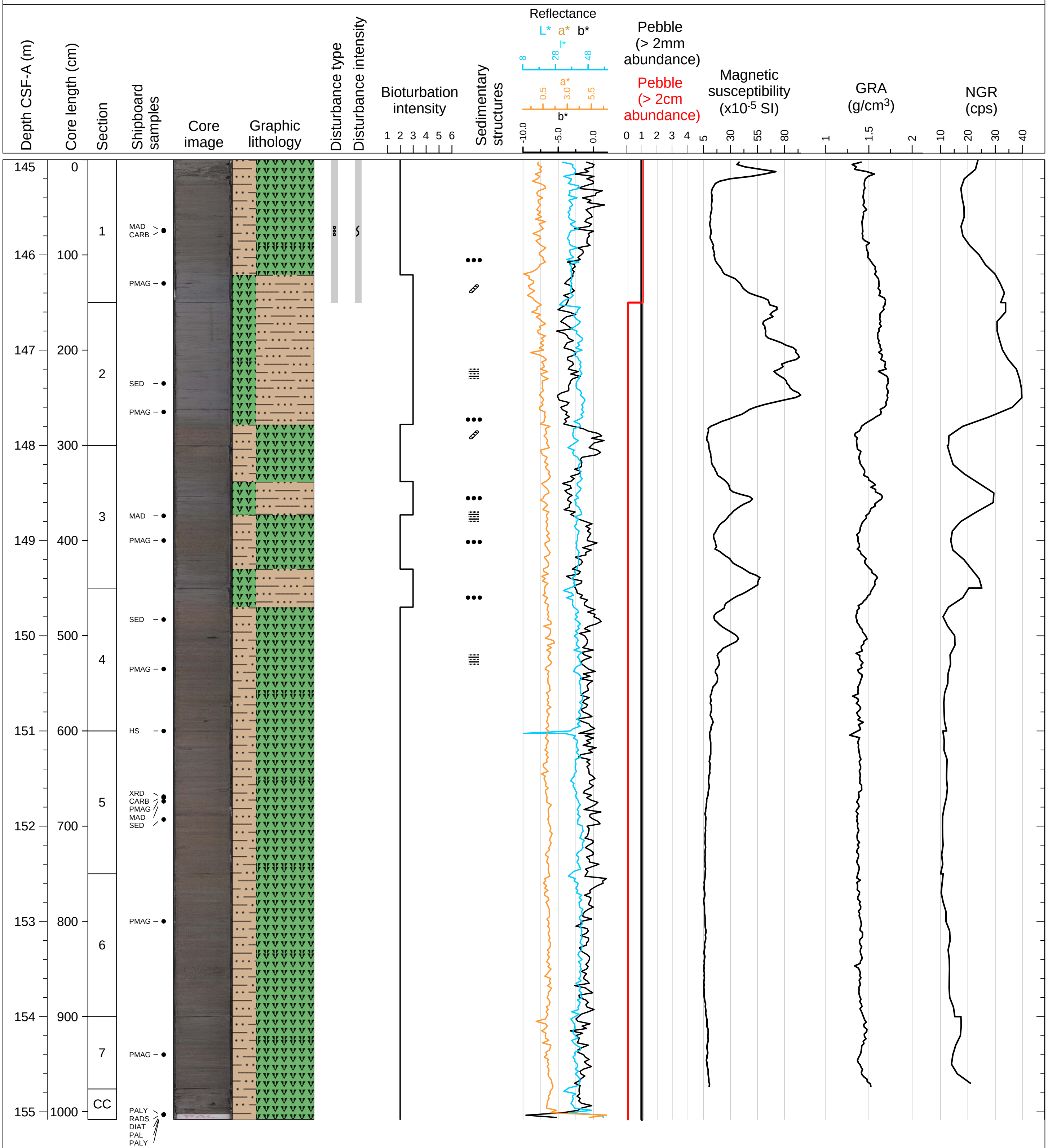
Hole 382-U1537A Core 16H, Interval 135.5-145.42 m (CSF-A)

interbedded silty clay rich diatom oozes and silty clays, few IRD was identified via VCD and X-radiographs



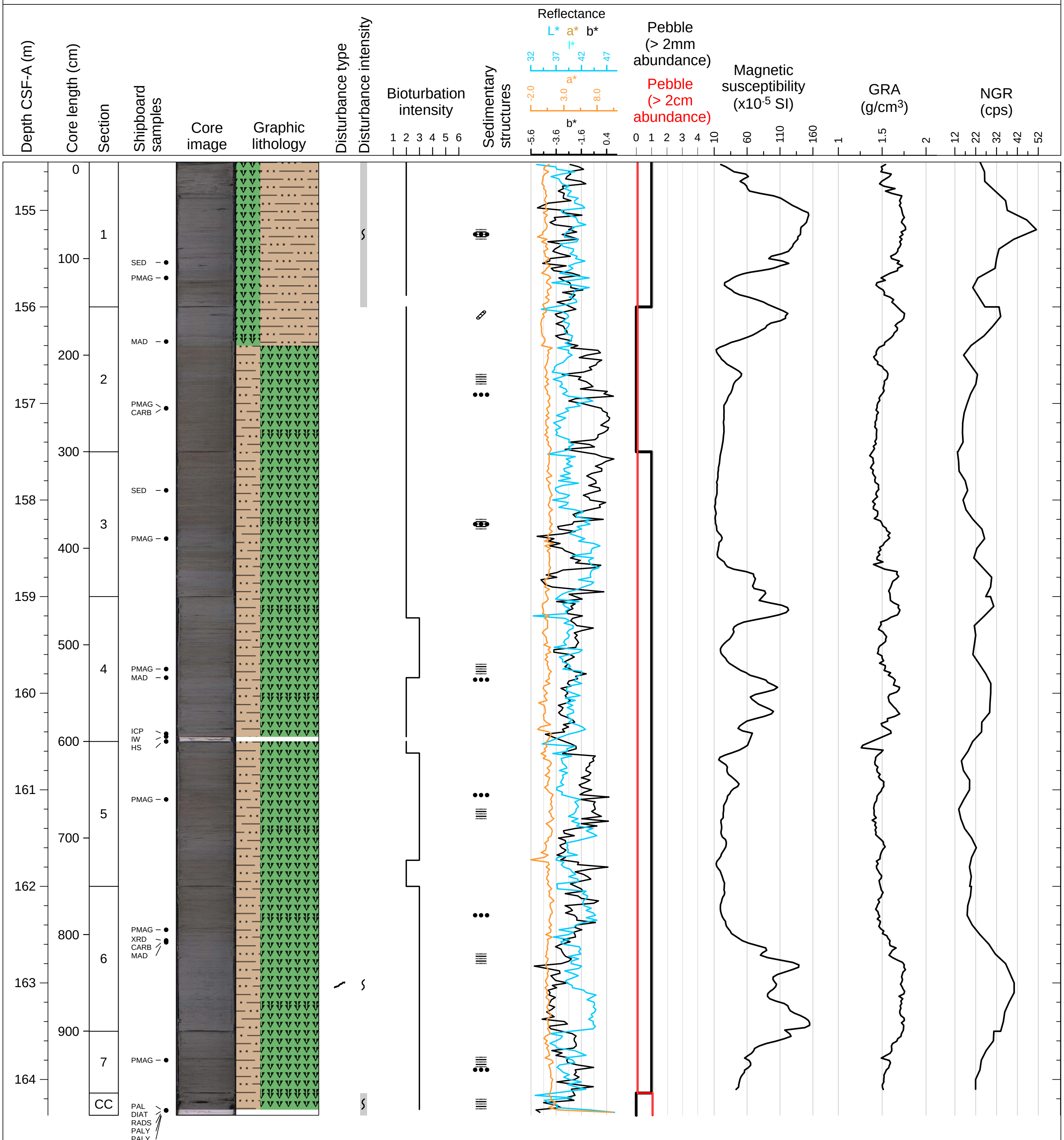
Hole 382-U1537A Core 17H, Interval 145.0-155.08 m (CSF-A)

Interbedded greenish gray diatom rich silty clay and dark greenish gray silty clay bearing diatom ooze .



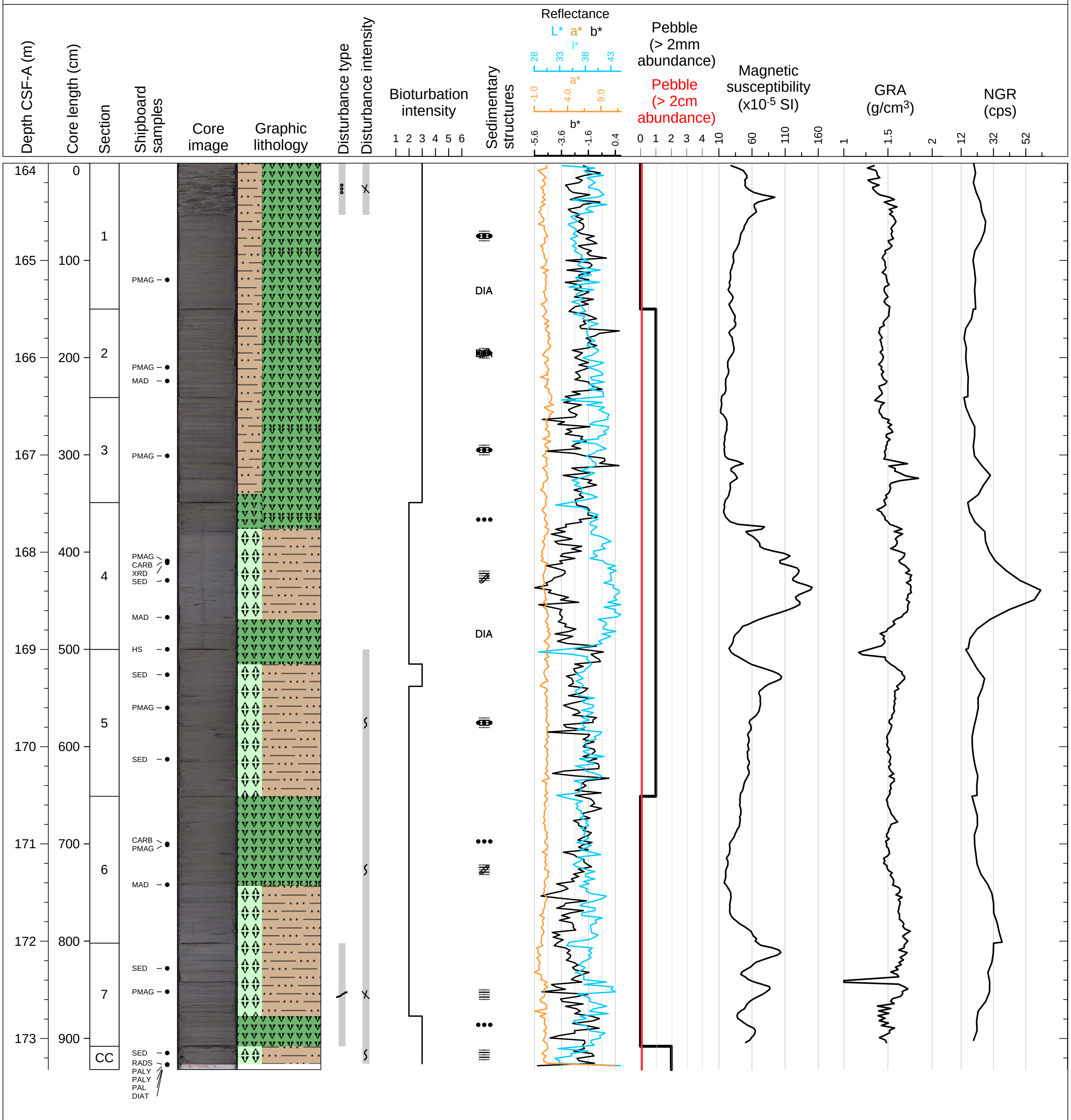
Hole 382-U1537A Core 18H, Interval 154.5-164.37 m (CSF-A)

Interbedded dark greenish gray diatom rich silty clay and greenish gray silty clay bearing diatom ooze .



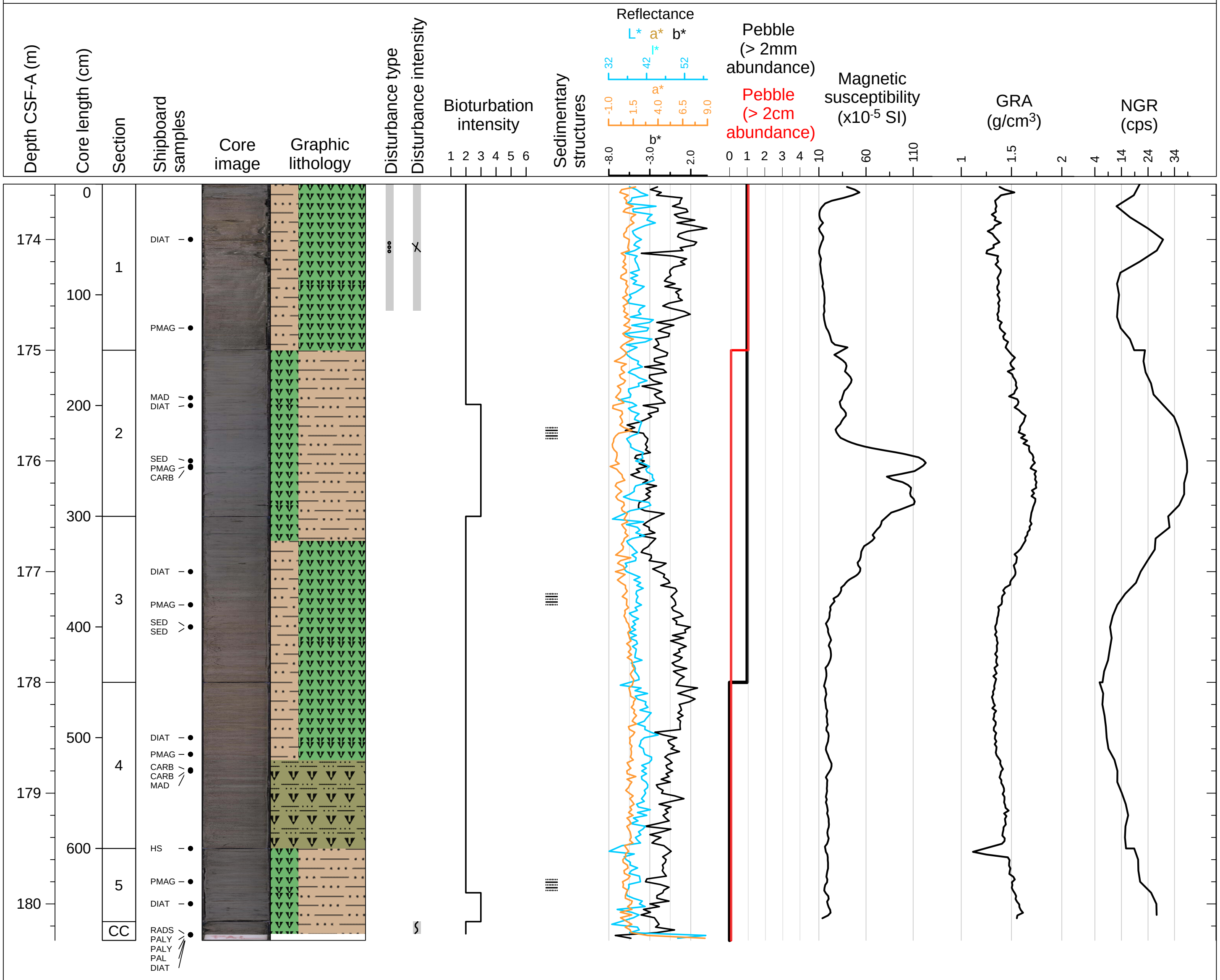
Hole 382-U1537A Core 19H, Interval 164.0-173.32 m (CSF-A)

Interbedded dark greenish gray biosiliceous bearing silty clay and dark greenish gray diatom rich diatom ooze. There is quarts sand in Section 3A.



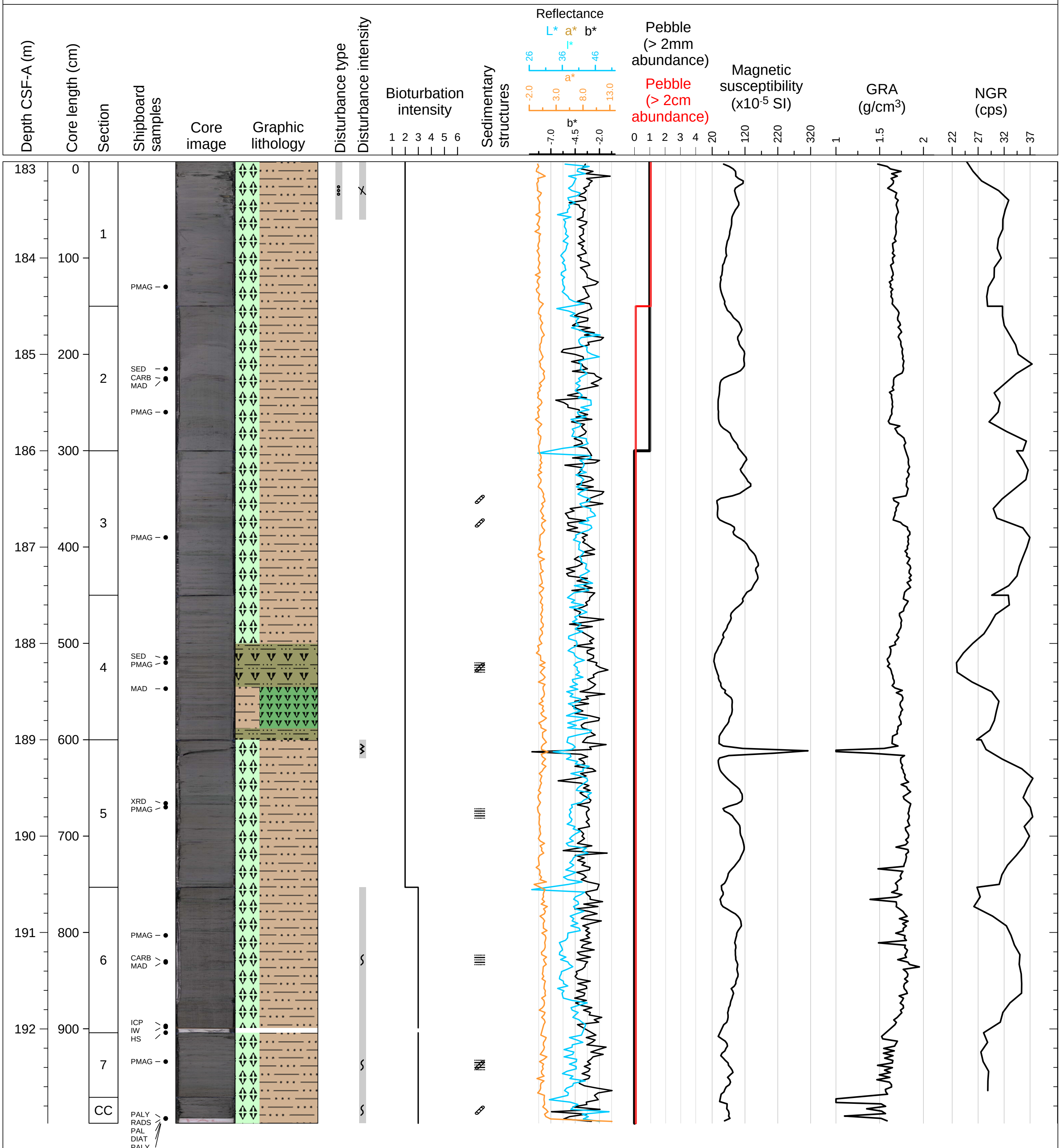
Hole 382-U1537A Core 20H, Interval 173.5-180.33 m (CSF-A)

Inter bedded silty clay bearing diatom ooze and diatom rich and bearing silty clay.



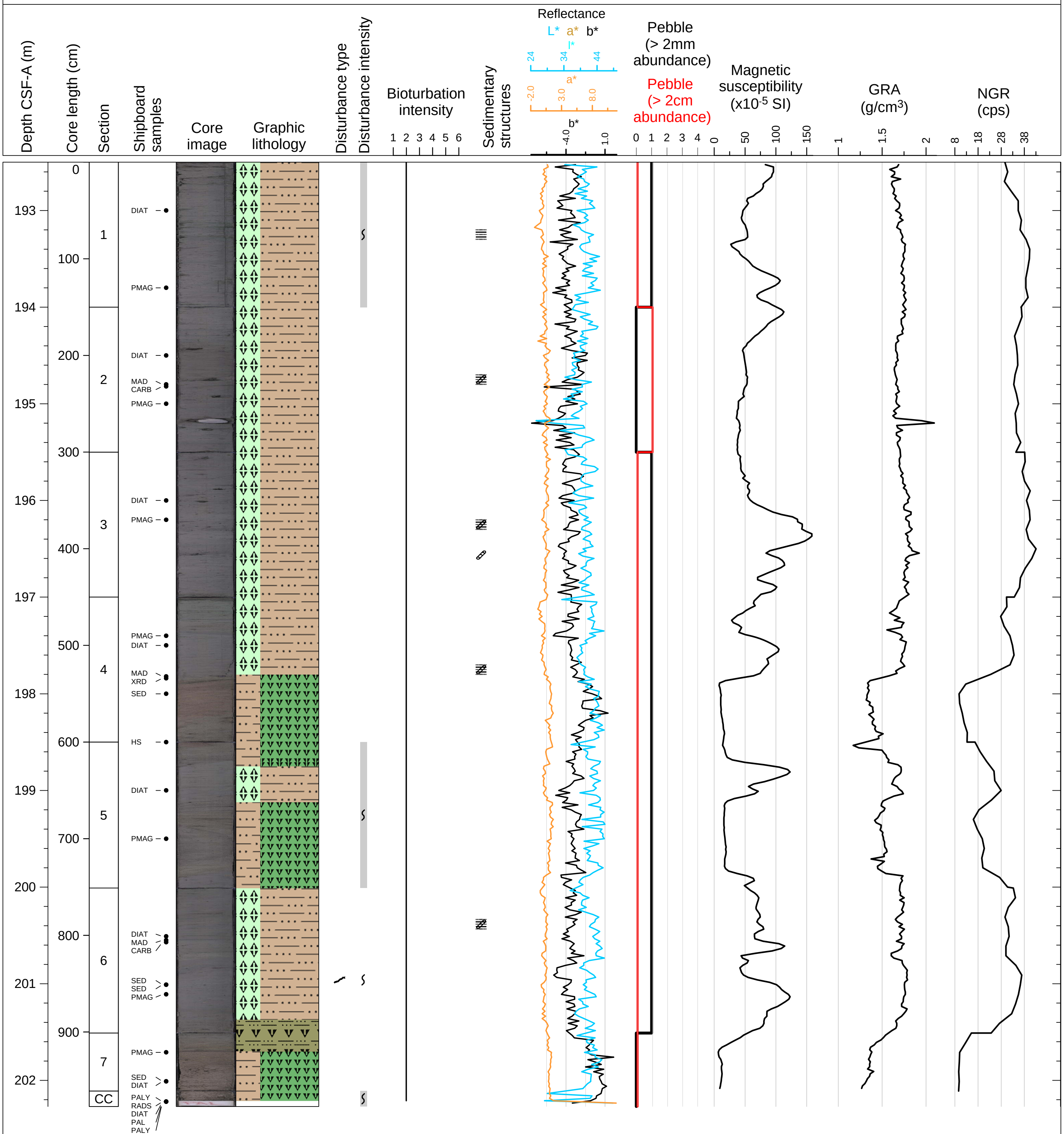
Hole 382-U1537A Core 21H, Interval 183.0-192.98 m (CSF-A)

dominated greenish gray biosilicious rich silty clay with color bandings. Section 4A is interbedded silty clay and diatom ooze. There are carbonete rich clast and carbonate rich layer in Section 3A.



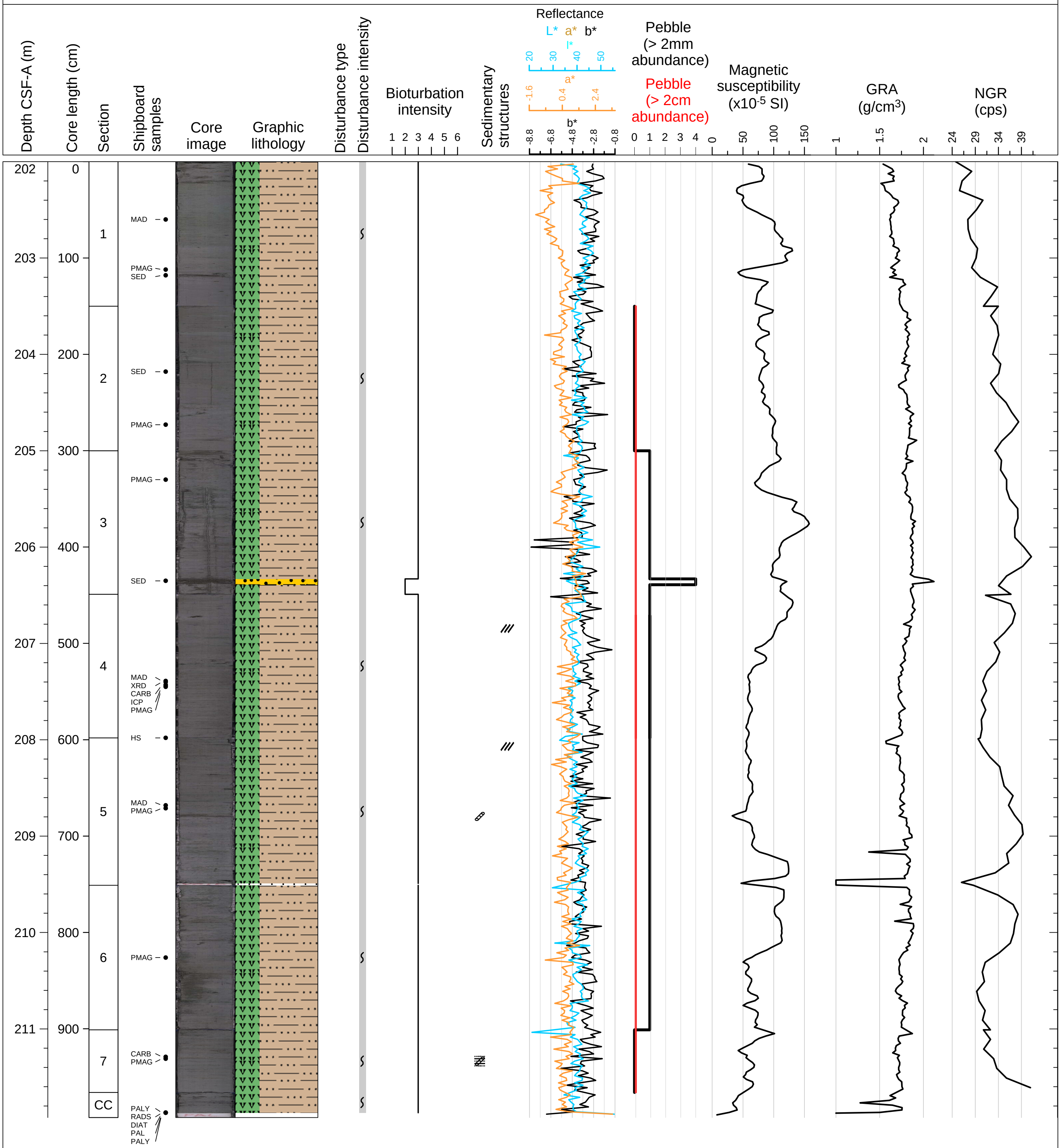
Hole 382-U1537A Core 22H, Interval 192.5-202.27 m (CSF-A)

Interbedded biosiliceous bearing silty clay and silty clay rich and bearing diatom ooze.



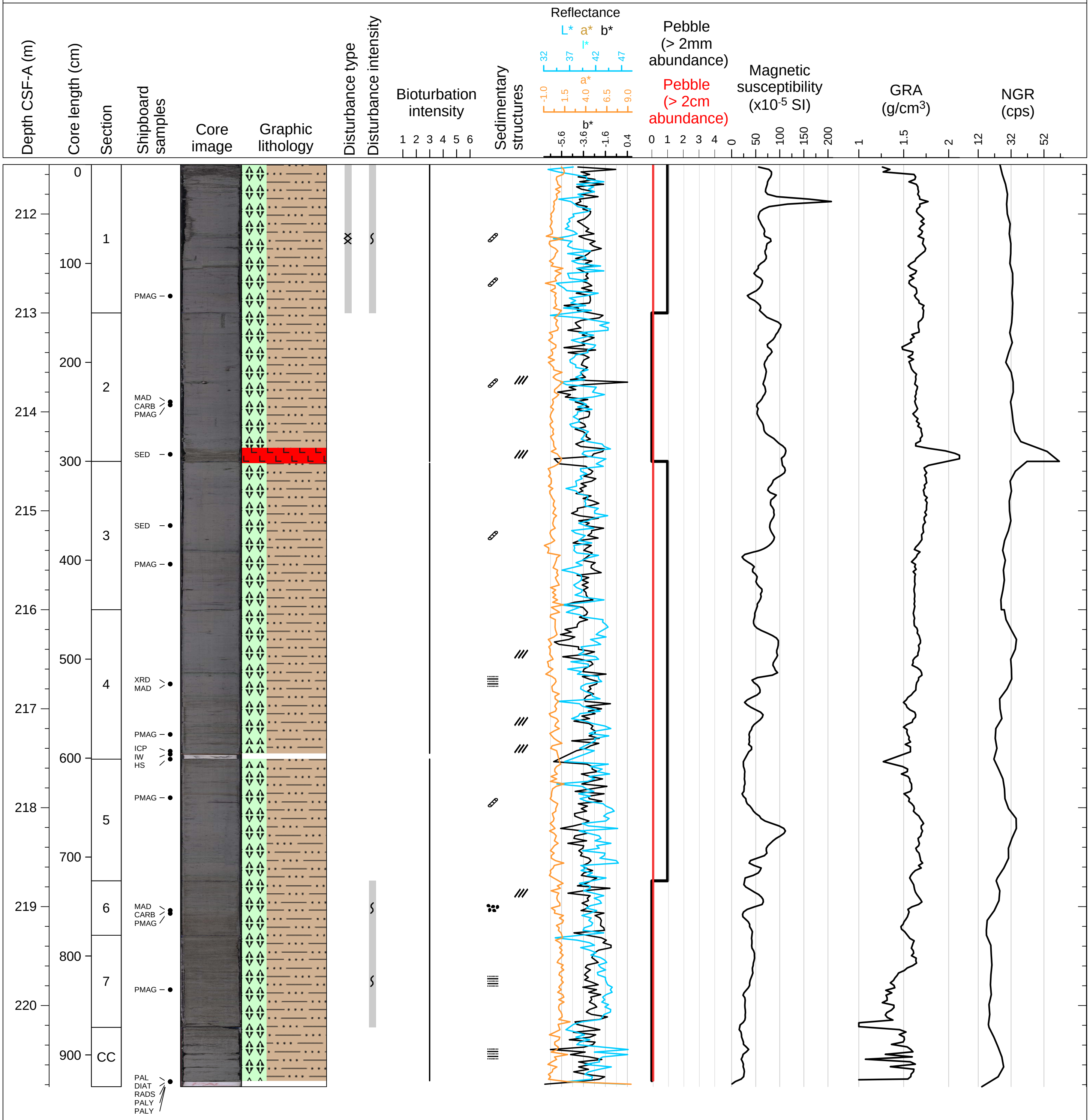
Hole 382-U1537A Core 23H, Interval 202.0-211.92 m (CSF-A)

interbedded diatom rich silty clay and silty clay rich diatom ooze, sand layer in 3A 133-139 cm -> base of turbidite?



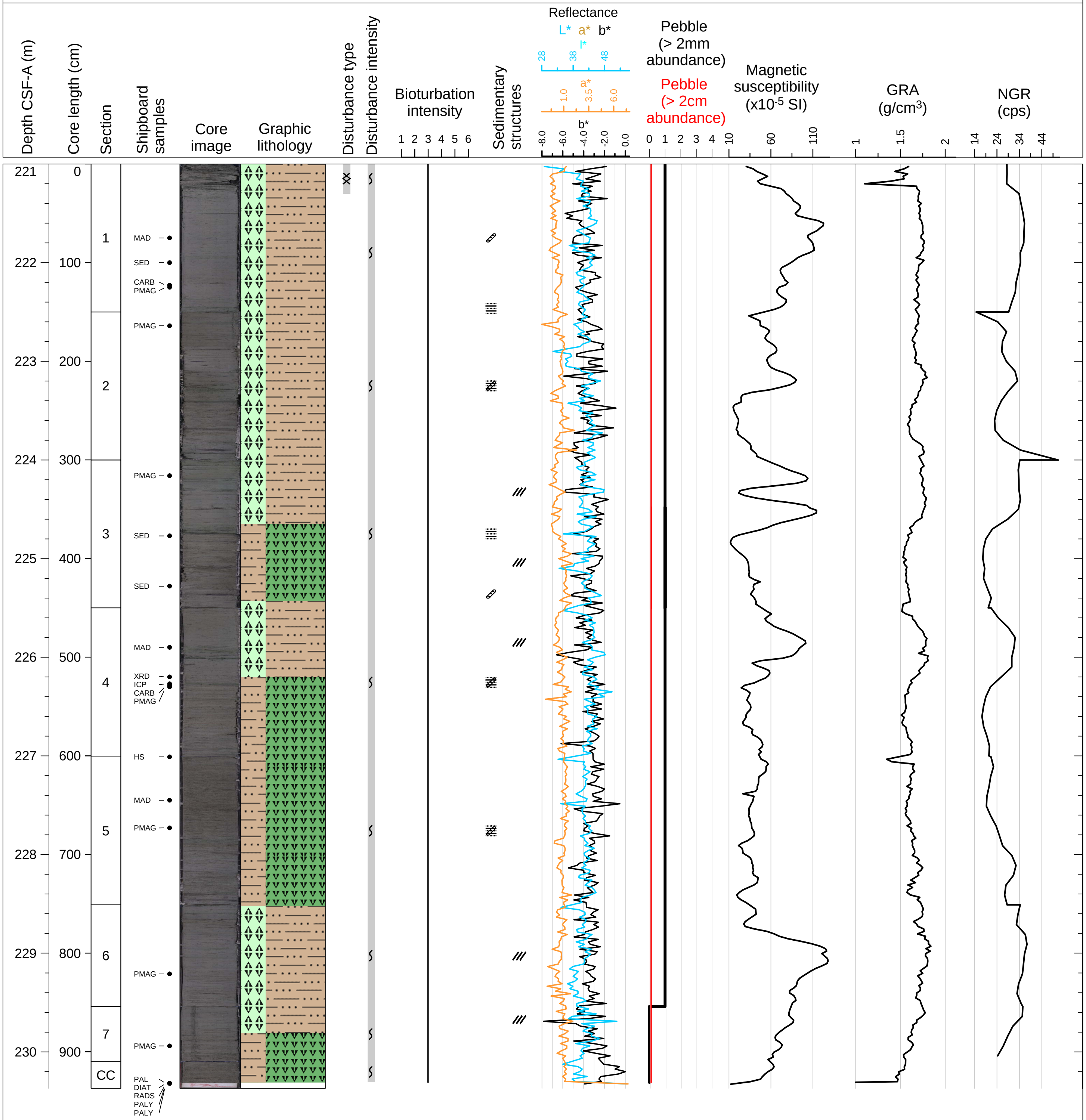
Hole 382-U1537A Core 24H, Interval 211.5-220.82 m (CSF-A)

Interbedded biosiliceous bearing silty clay and silty clay rich and bearing diatom ooze. carbonate rich layer (tephra) at the base of 2A and top of 3A -> few glass shards



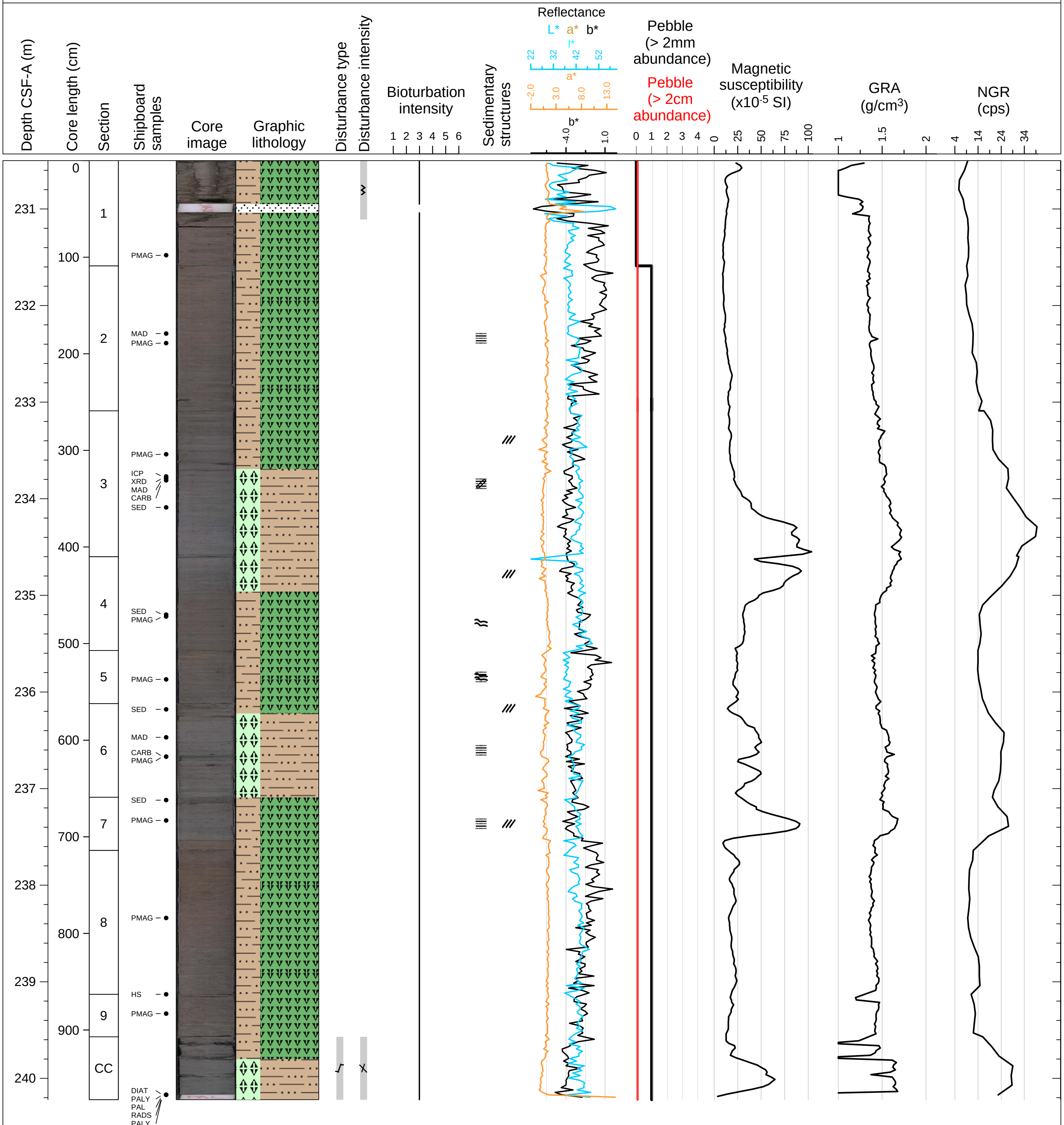
Hole 382-U1537A Core 25H, Interval 221.0-230.37 m (CSF-A)

interbedded dark greenish grey biosiliceous bearing silty clay and very dark greenish grey diatom ooze, few IRD identified via VCD and X-radiographs



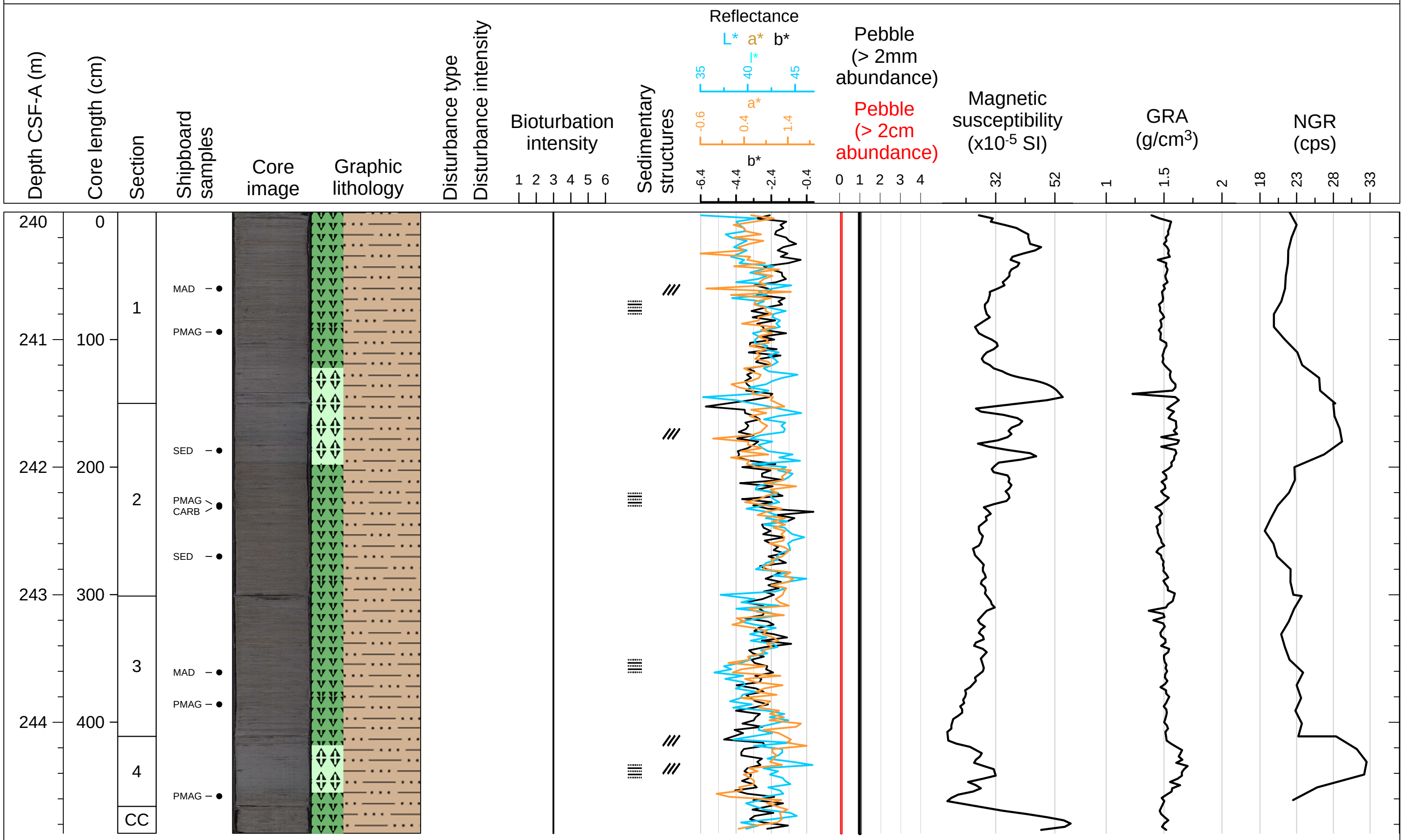
Hole 382-U1537A Core 26H, Interval 230.5-240.22 m (CSF-A)

interbedded dark greenish grey biosiliceous rich silty clay and very dark partly laminated greenish grey silty clay rich diatom ooze, few IRD identified via VCD and X-radiographs



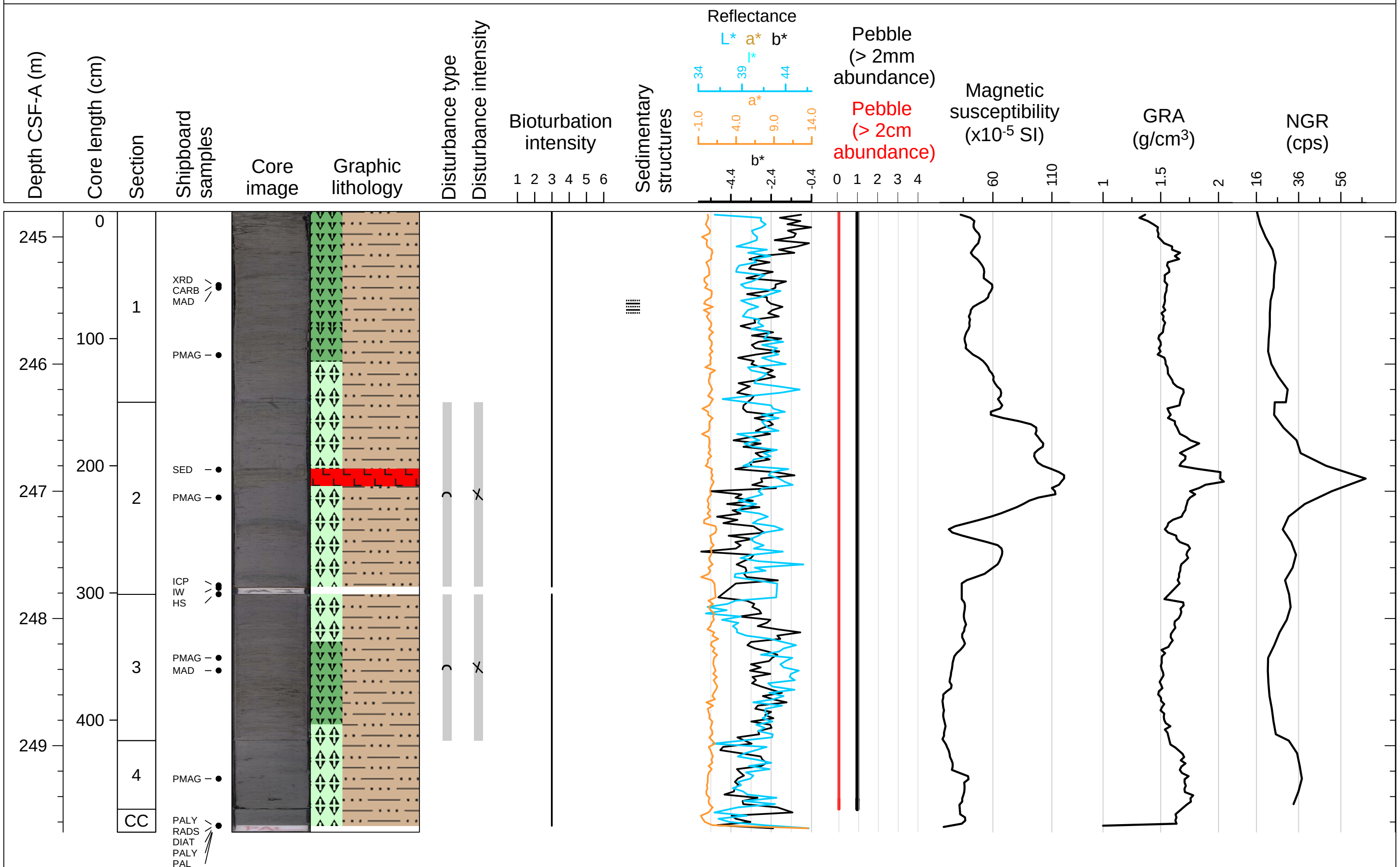
Hole 382-U1537A Core 27F, Interval 240.0-244.87 m (CSF-A)

interbedded dark greenish grey biosiliceous rich silty clay and very dark partly laminated greenish grey silty clay rich diatom ooze, few IRD identified via VCD and X-radiographs



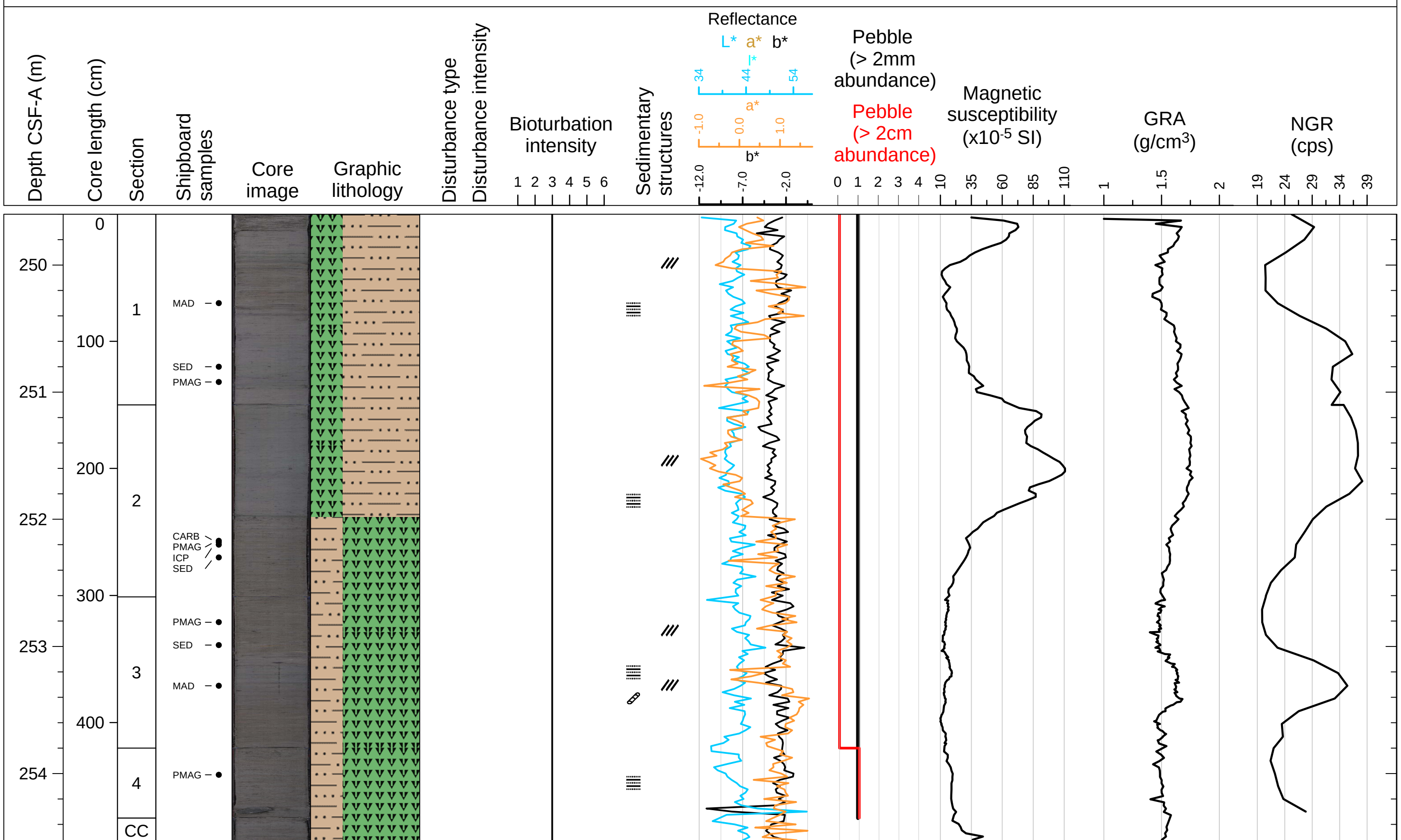
Hole 382-U1537A Core 28F, Interval 244.8-249.68 m (CSF-A)

interbedded dark greenish grey biosiliceous rich silty clay and very dark partly laminated greenish grey silty clay rich diatom ooze, few IRD identified via VCD and X-radiographs, carbonate rich layer (tephra) in 2A 51-68 cm



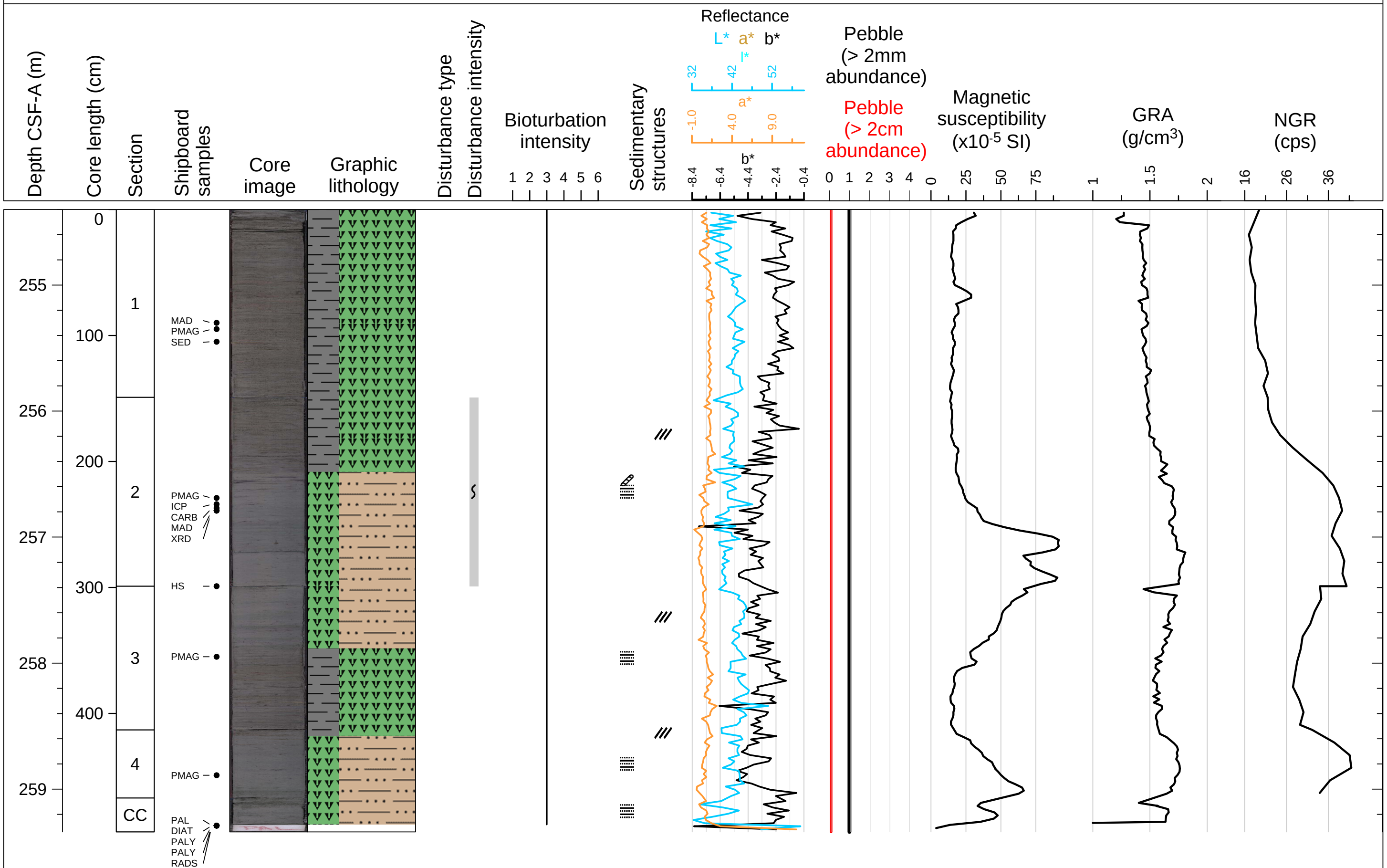
Hole 382-U1537A Core 29F, Interval 249.6-254.55 m (CSF-A)

interbedded dark greenish grey biosiliceous rich silty clay and very dark partly laminated greenish grey silty clay rich diatom ooze, few IRD identified via VCD and X-radiographs



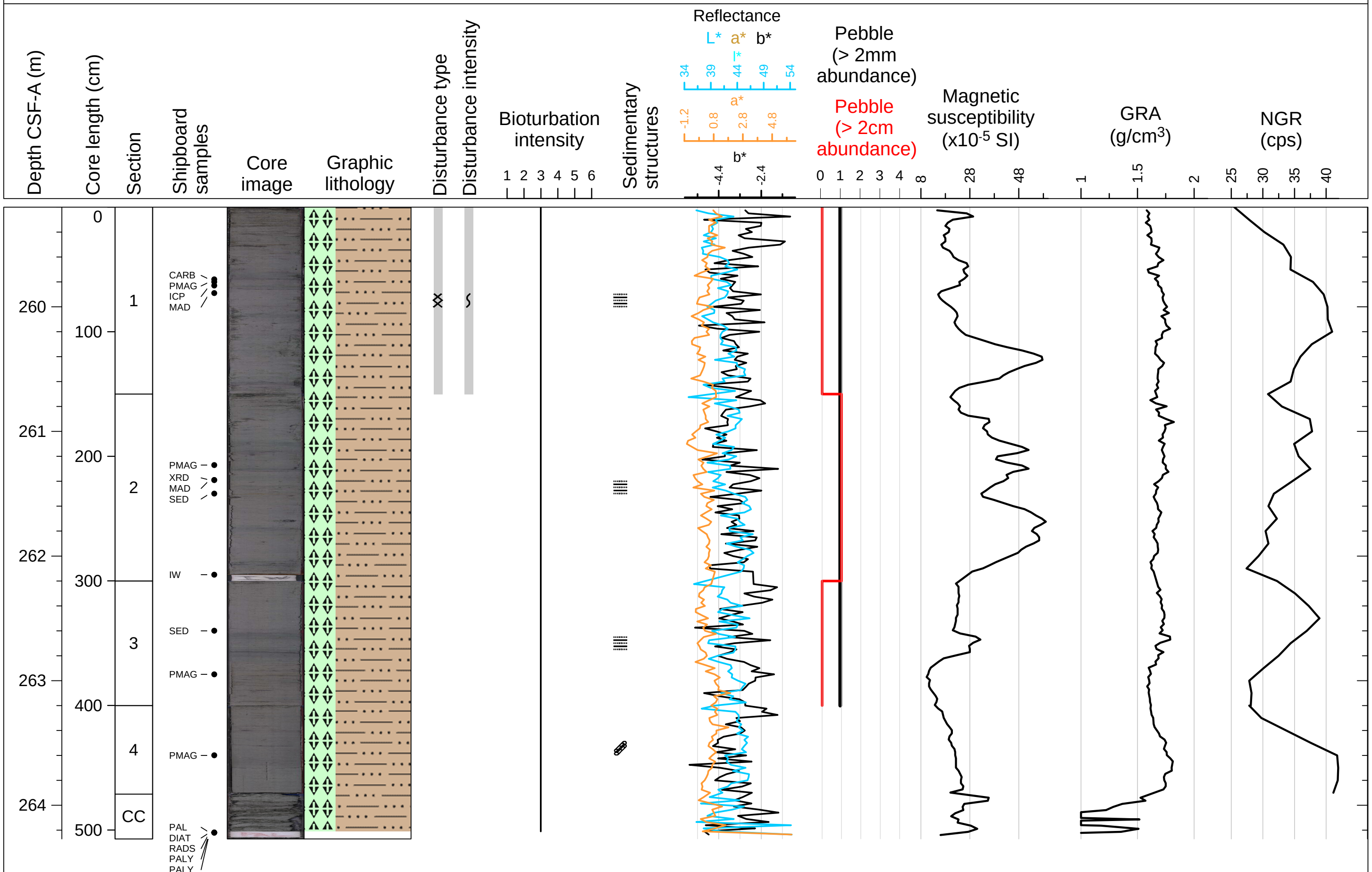
Hole 382-U1537A Core 30F, Interval 254.4-259.34 m (CSF-A)

interbedded dark greenish grey biosiliceous rich silty clay and very dark partly laminated greenish grey silty clay rich diatom ooze, few IRD identified via VCD and X-radiographs



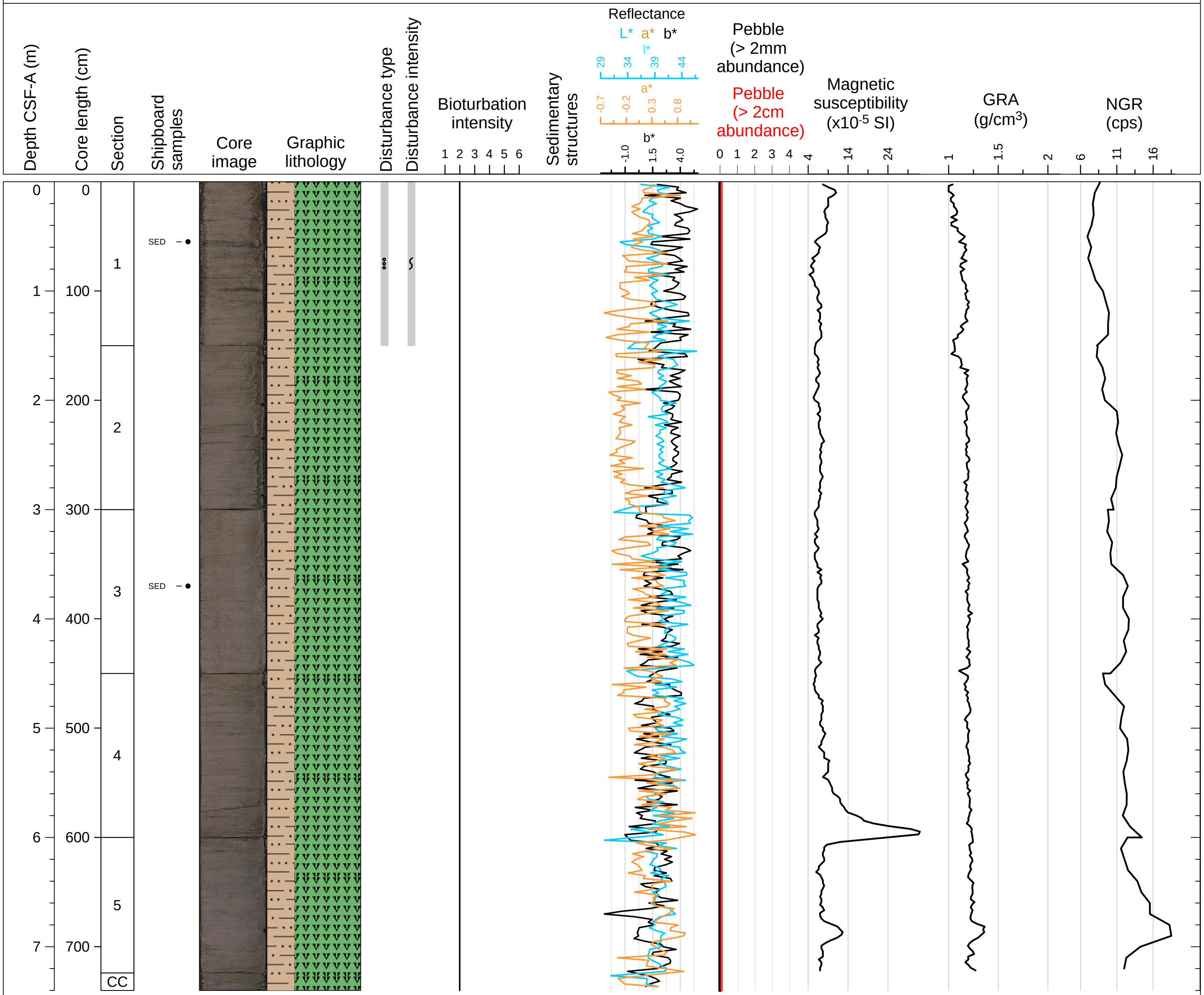
Hole 382-U1537A Core 31F, Interval 259.2-264.27 m (CSF-A)

dark greenish grey biosilieous bearing silty clay. IRD (F) was identified via VCD and X-radiographs



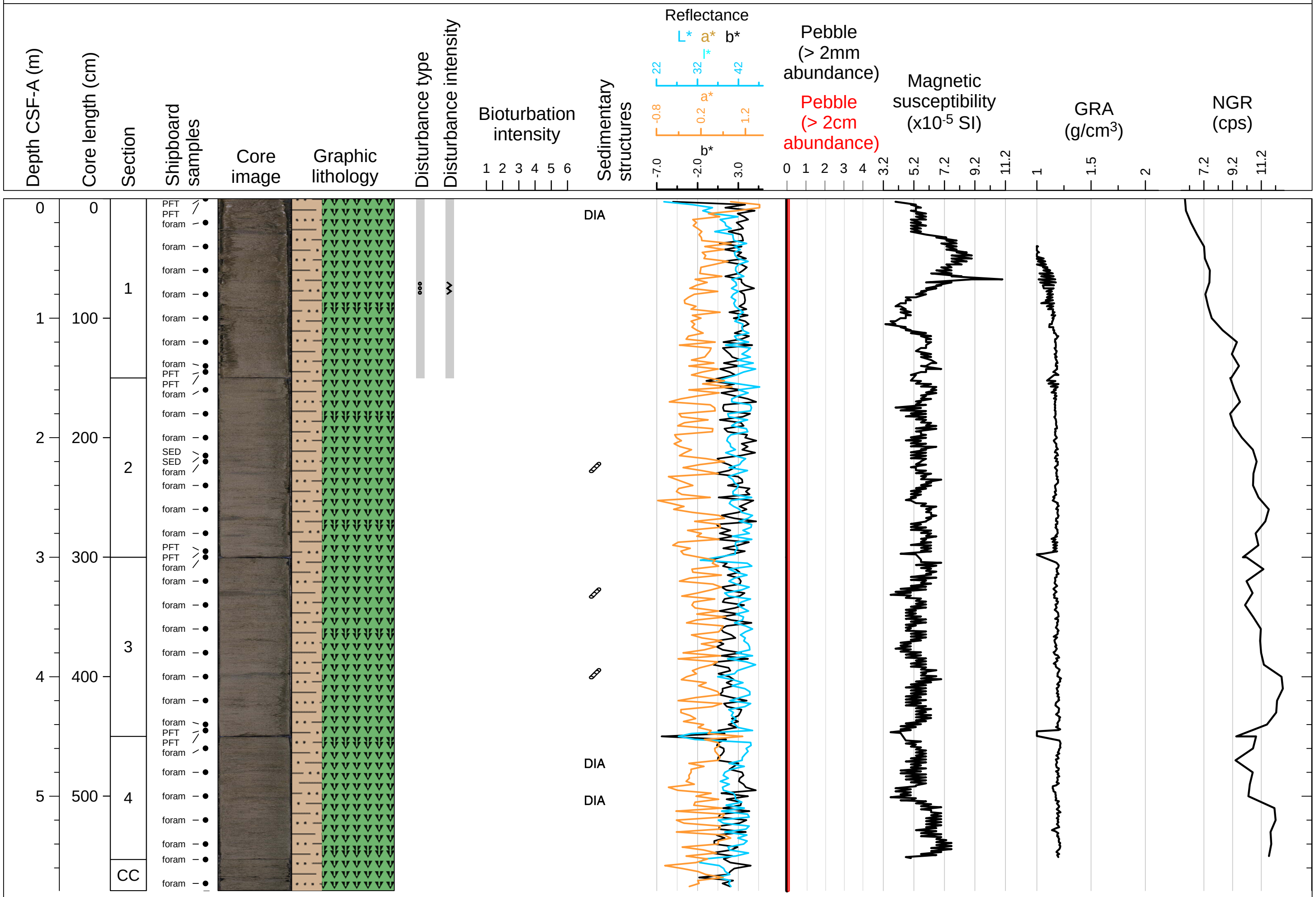
Hole 382-U1537B Core 1H, Interval 0.0-7.4 m (CSF-A)

dark greenish silty clay bearing gray diatom ooze



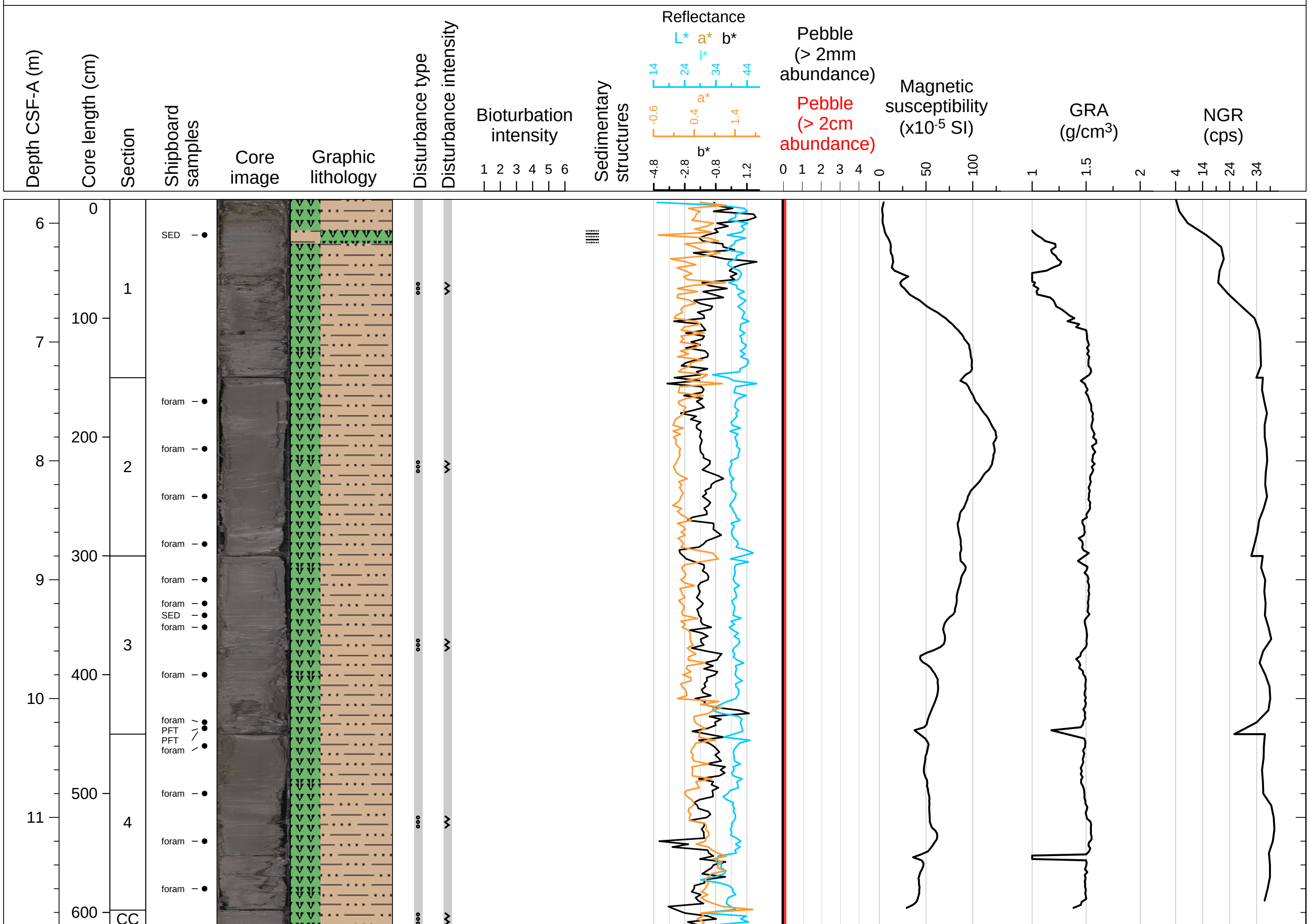
Hole 382-U1537C Core 1H, Interval 0.0-5.79 m (CSF-A)

dark greenish gray silty clay bearing diatom ooze



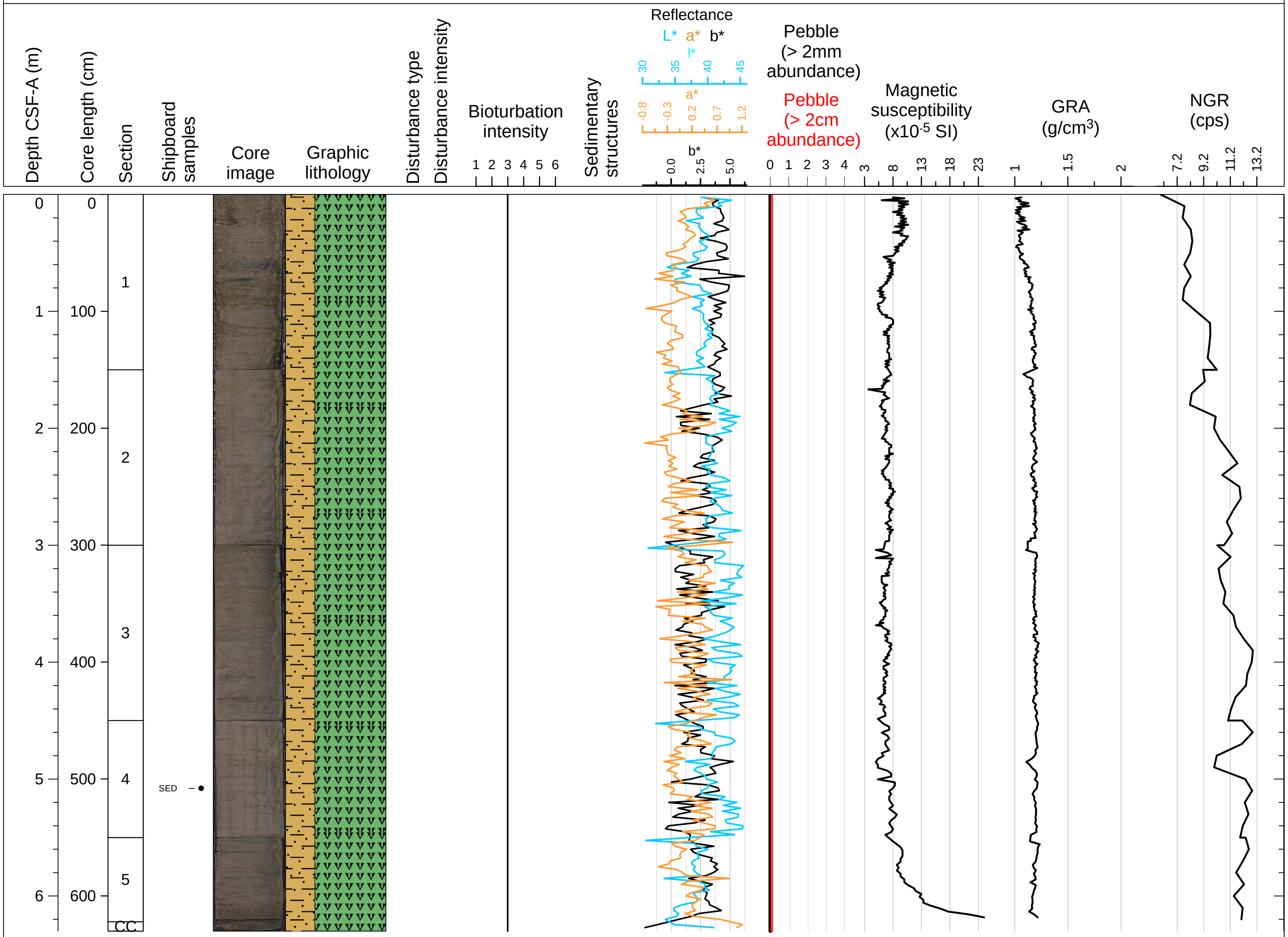
Hole 382-U1537C Core 2H, Interval 5.8-11.93 m (CSF-A)

dominated greenish gray diatom rich silty clay. silty clay rich diatom ooze with color bandings in Section 1A (26cm-37cm)



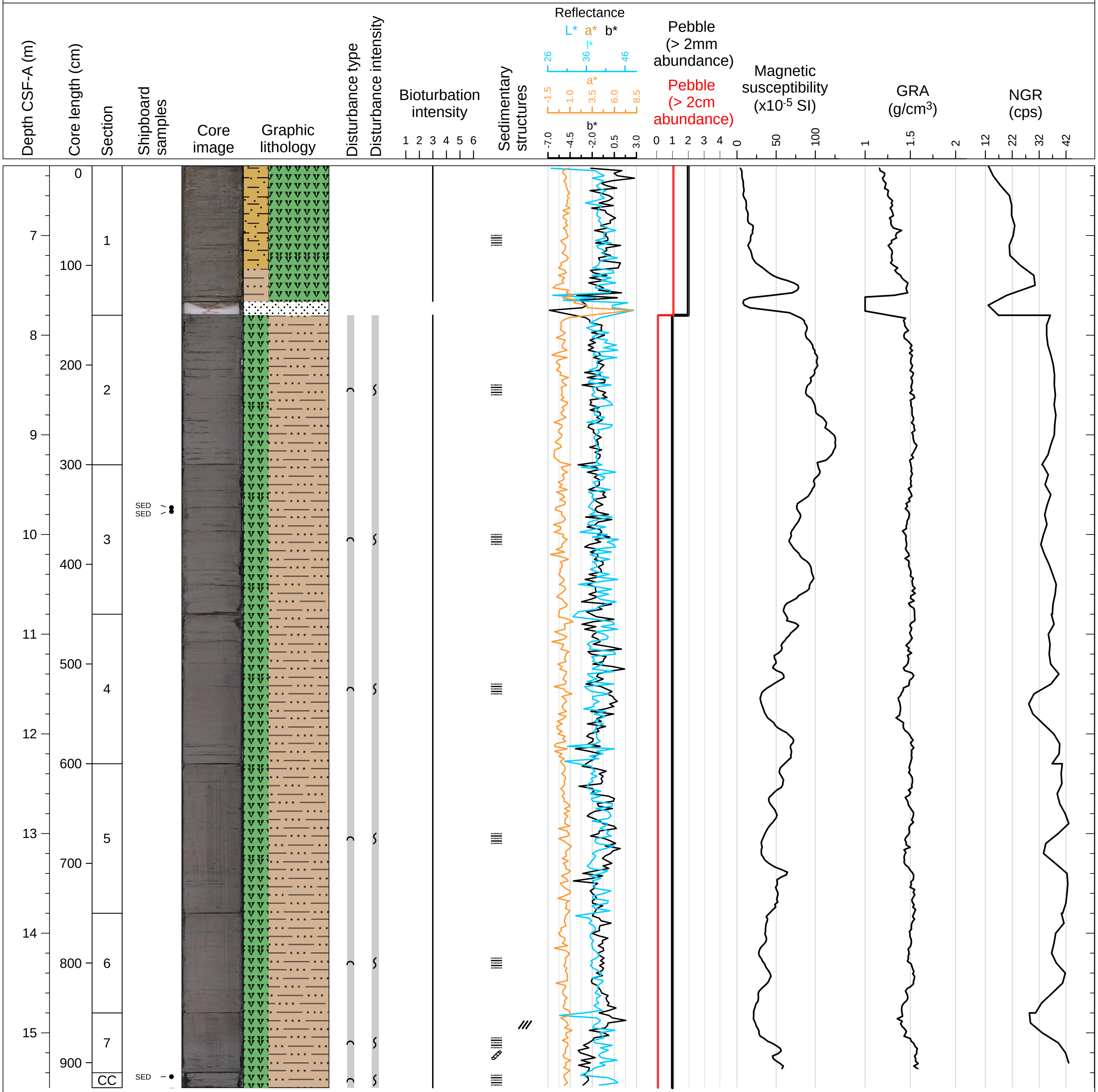
Hole 382-U1537D Core 1H, Interval 0.0-6.3 m (CSF-A)

dark greenish grey diatom ooze



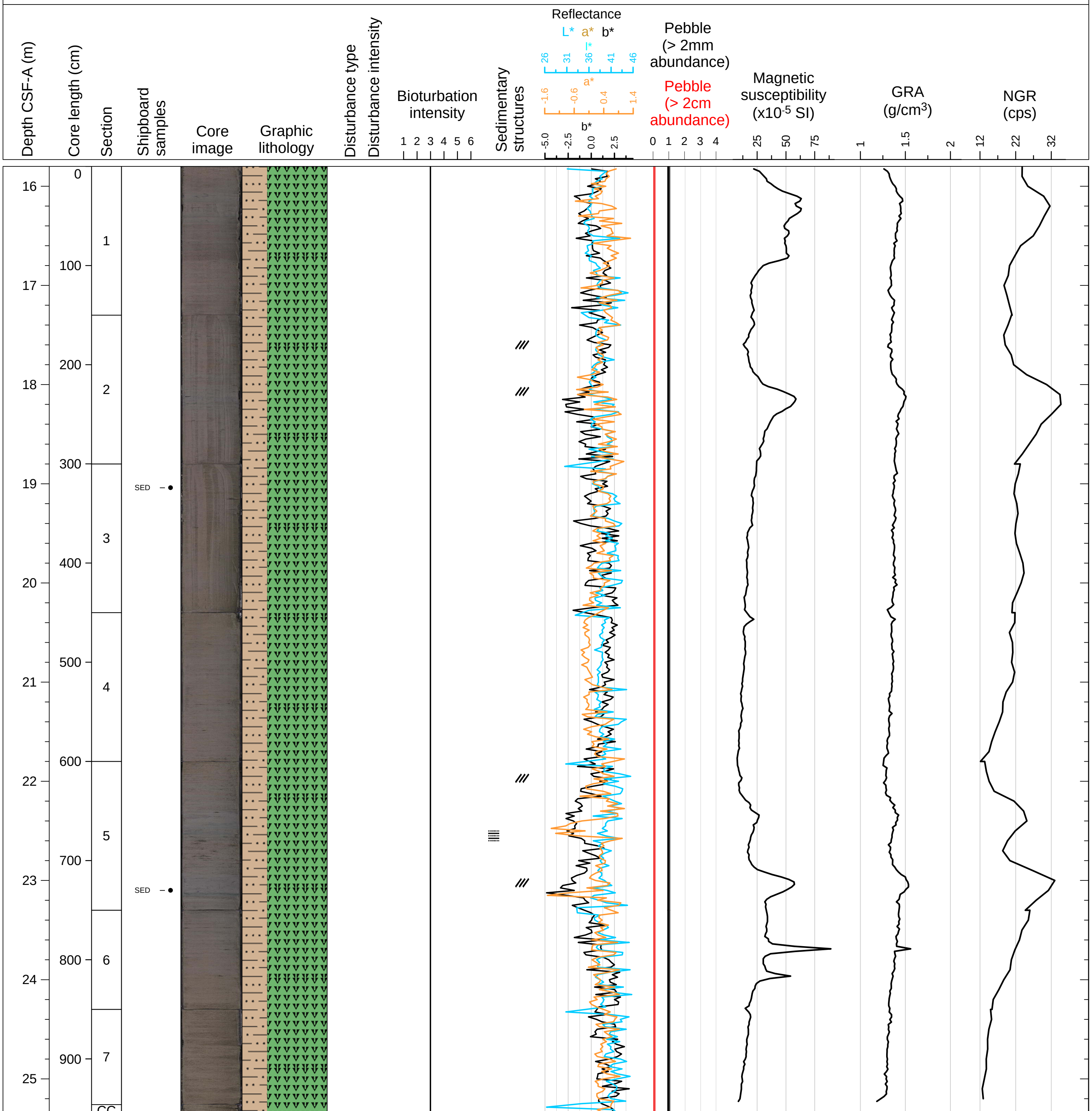
Hole 382-U1537D Core 2H, Interval 6.3-15.55 m (CSF-A)

greenish grey diatom ooze, several (diagenetic) dark green layers of silty clayey spicule bearing diatom ooze, grading to diatom rich silty clay in 7A and CC, IRD predominantly identified via X-radiographs



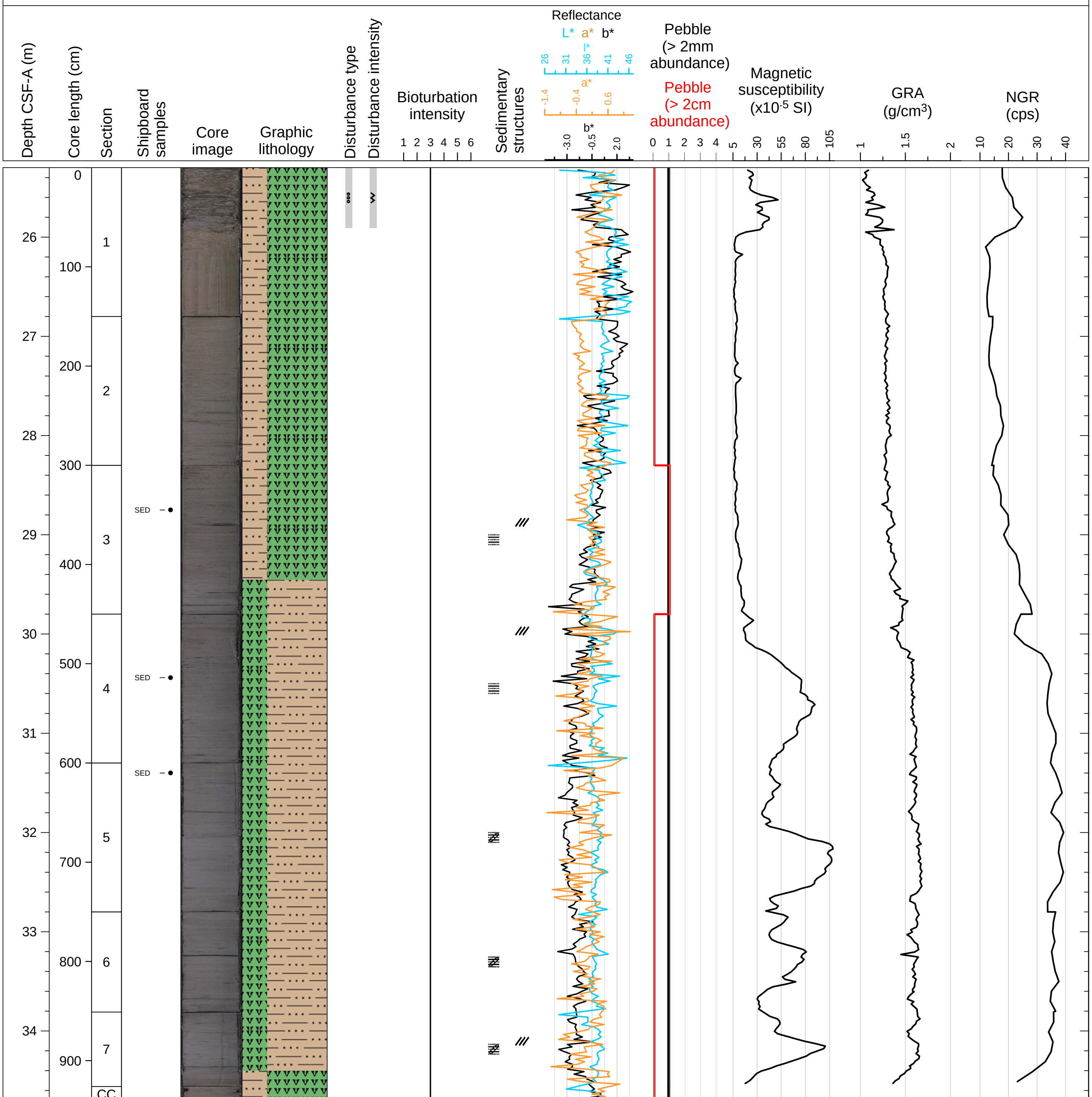
Hole 382-U1537D Core 3H, Interval 15.8-25.38 m (CSF-A)

dark greenish grey diatom ooze and color banded dark greenish grey diatom ooze, IRD predominantley identified via X-radiographs



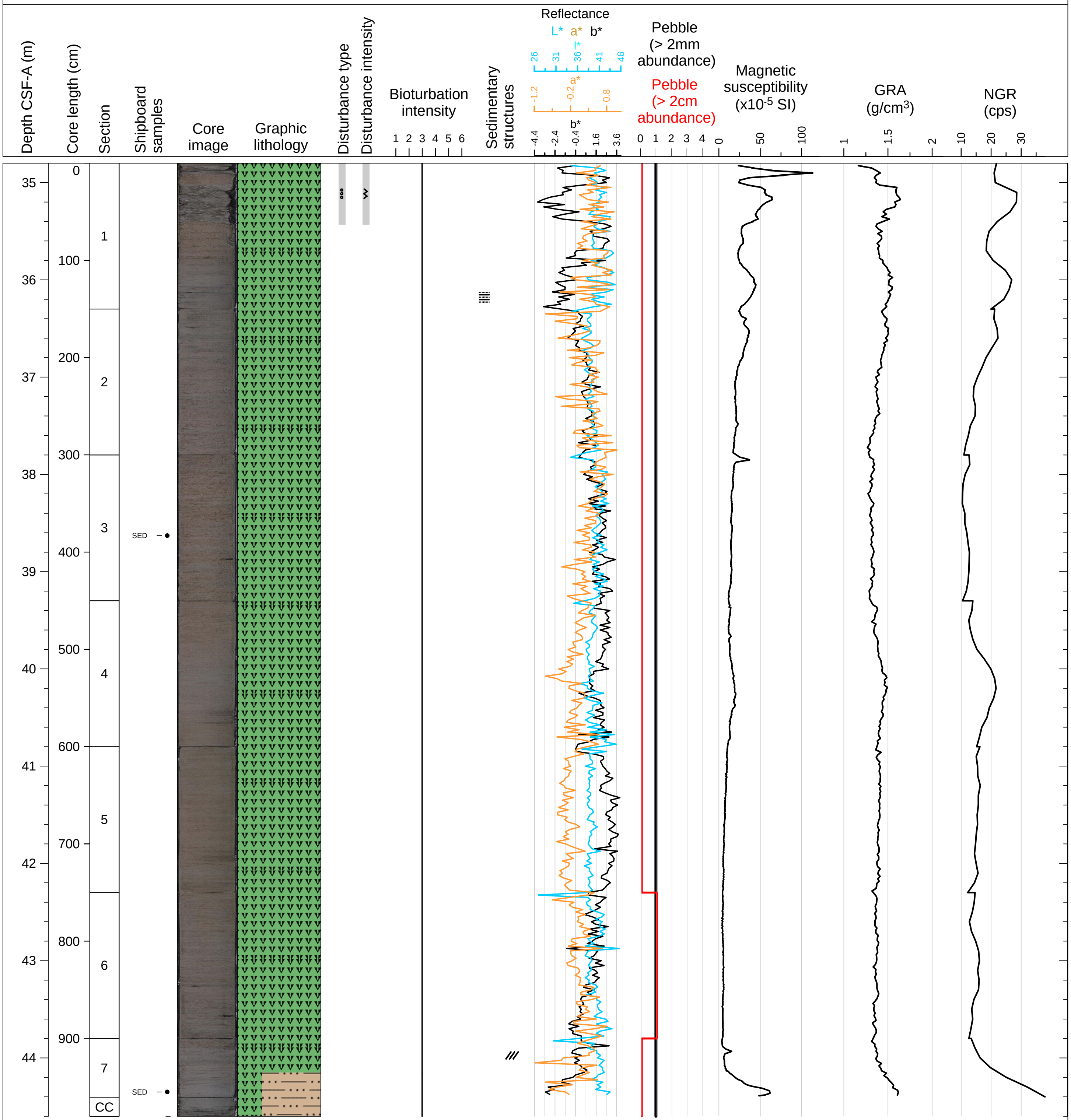
Hole 382-U1537D Core 4H, Interval 25.3-34.72 m (CSF-A)

interbedded dark greenish grey silty clay bearing diatom ooze and diatom rich silty clay, IRD predominantly identified via X-radiagraphs



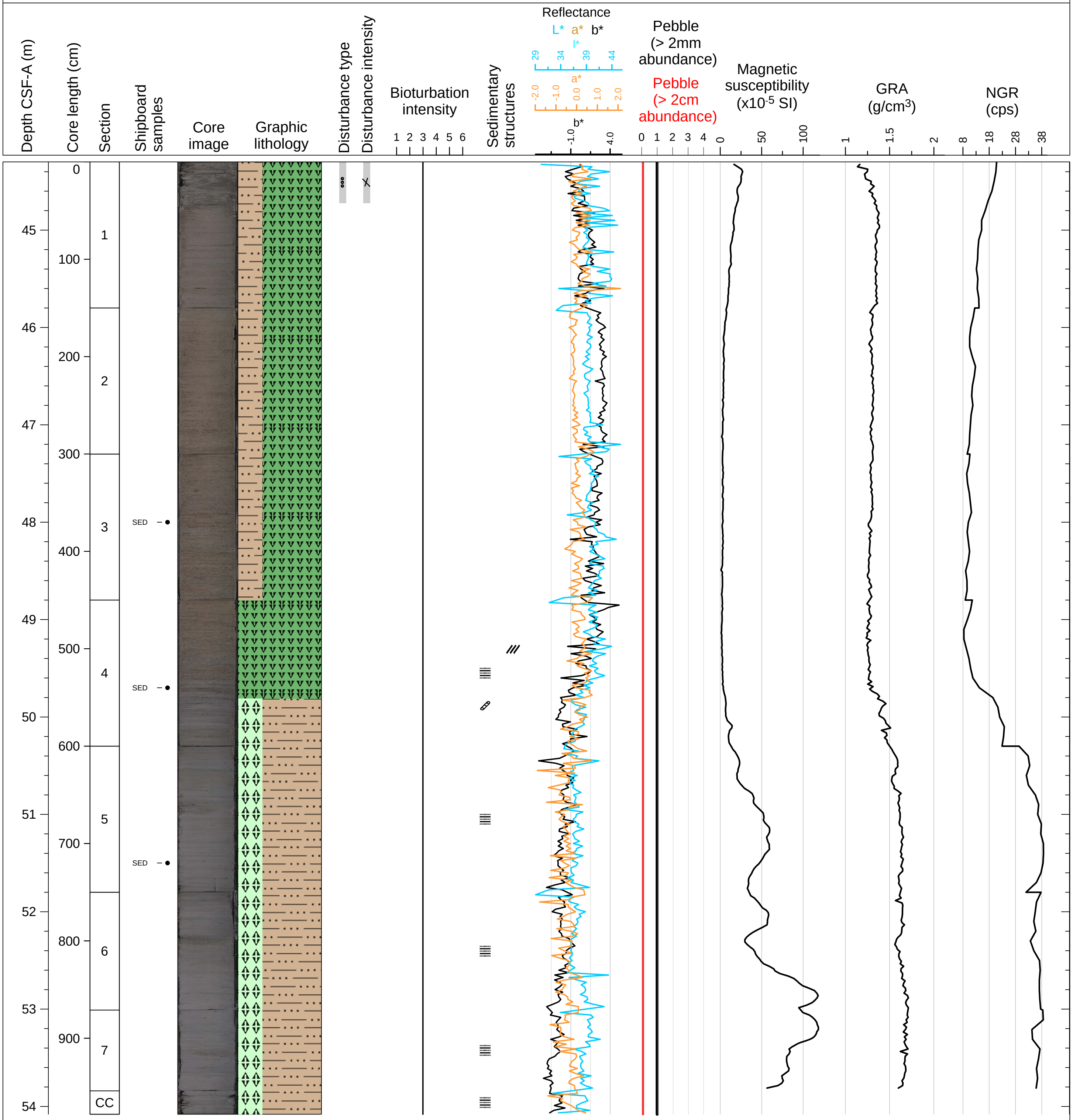
Hole 382-U1537D Core 5H, Interval 34.8-44.6 m (CSF-A)

interbedded dark greenish grey silty clay bearing diatom ooze and diatom rich silty clay, IRD predominantly identified via X-radiagraphs



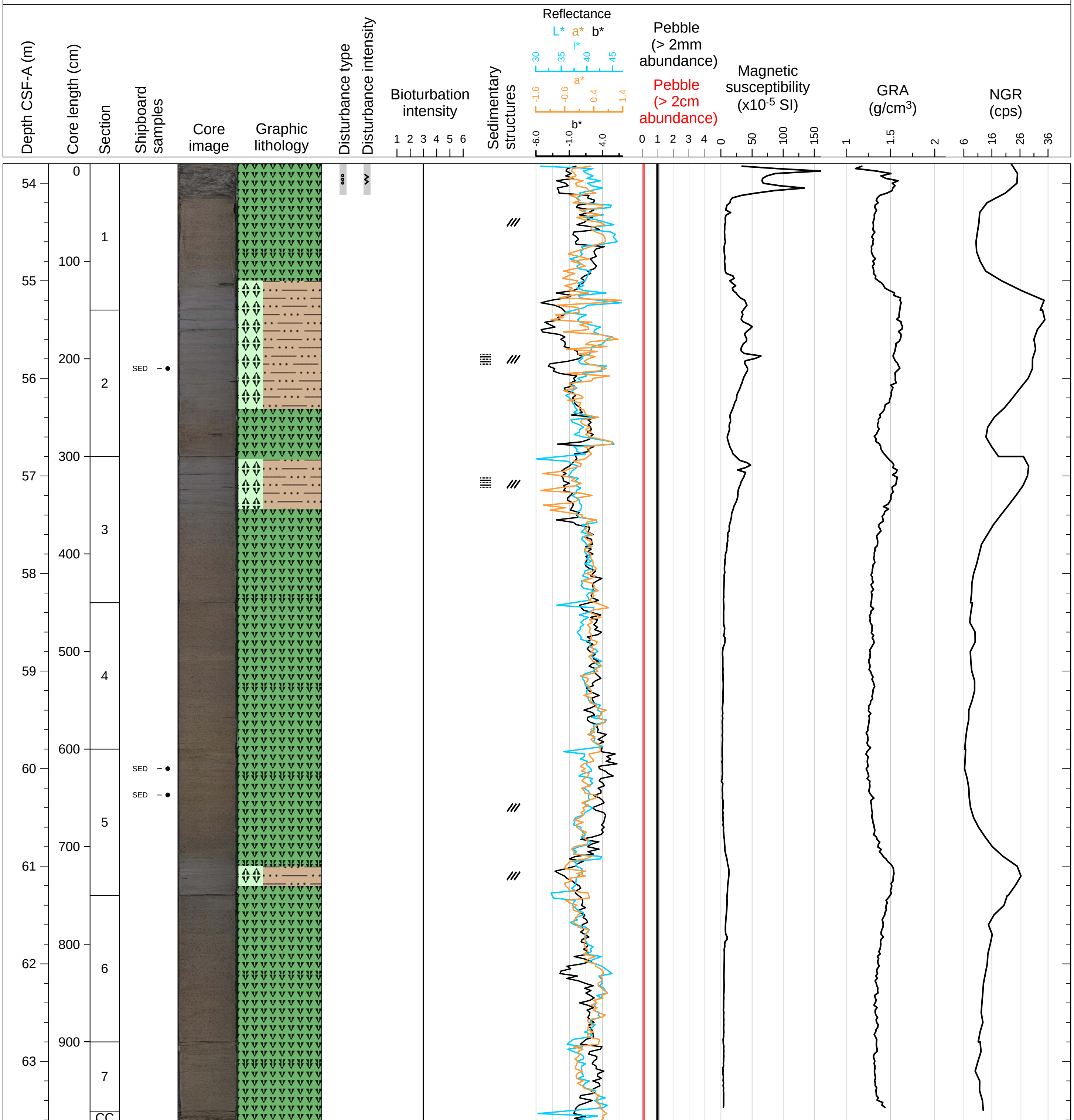
Hole 382-U1537D Core 6H, Interval 44.3-54.08 m (CSF-A)

interbedded dark greenish grey diatom ooze and silty clay, IRD was predominantly observed via X-radiographs



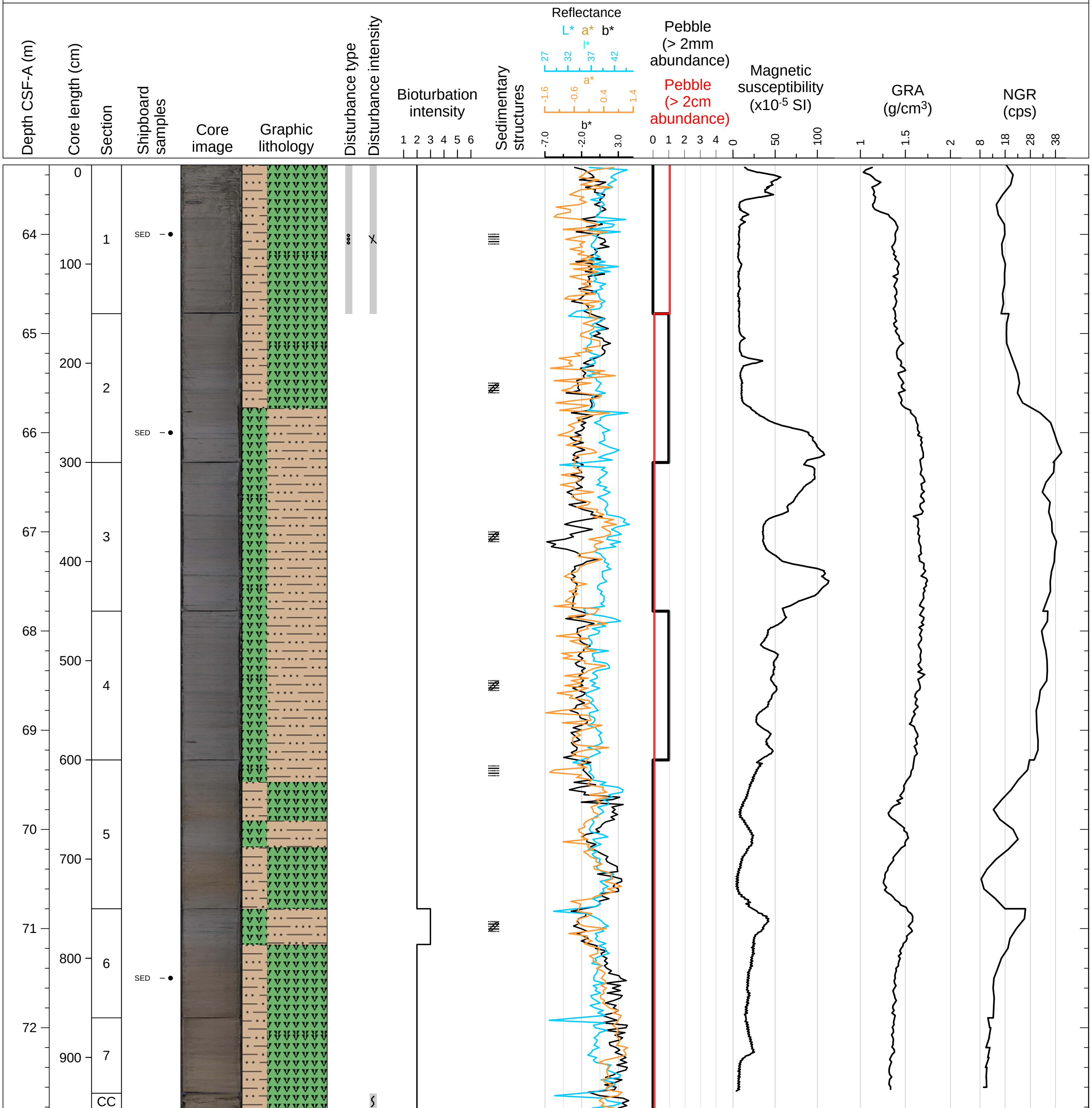
Hole 382-U1537D Core 7H, Interval 53.8-63.65 m (CSF-A)

interbedded dark greenish grey diatom ooze and silty clay, IRD was predominantly observed via X-radiographs, silty clays are color banded and show dark green (diagenetic) layering



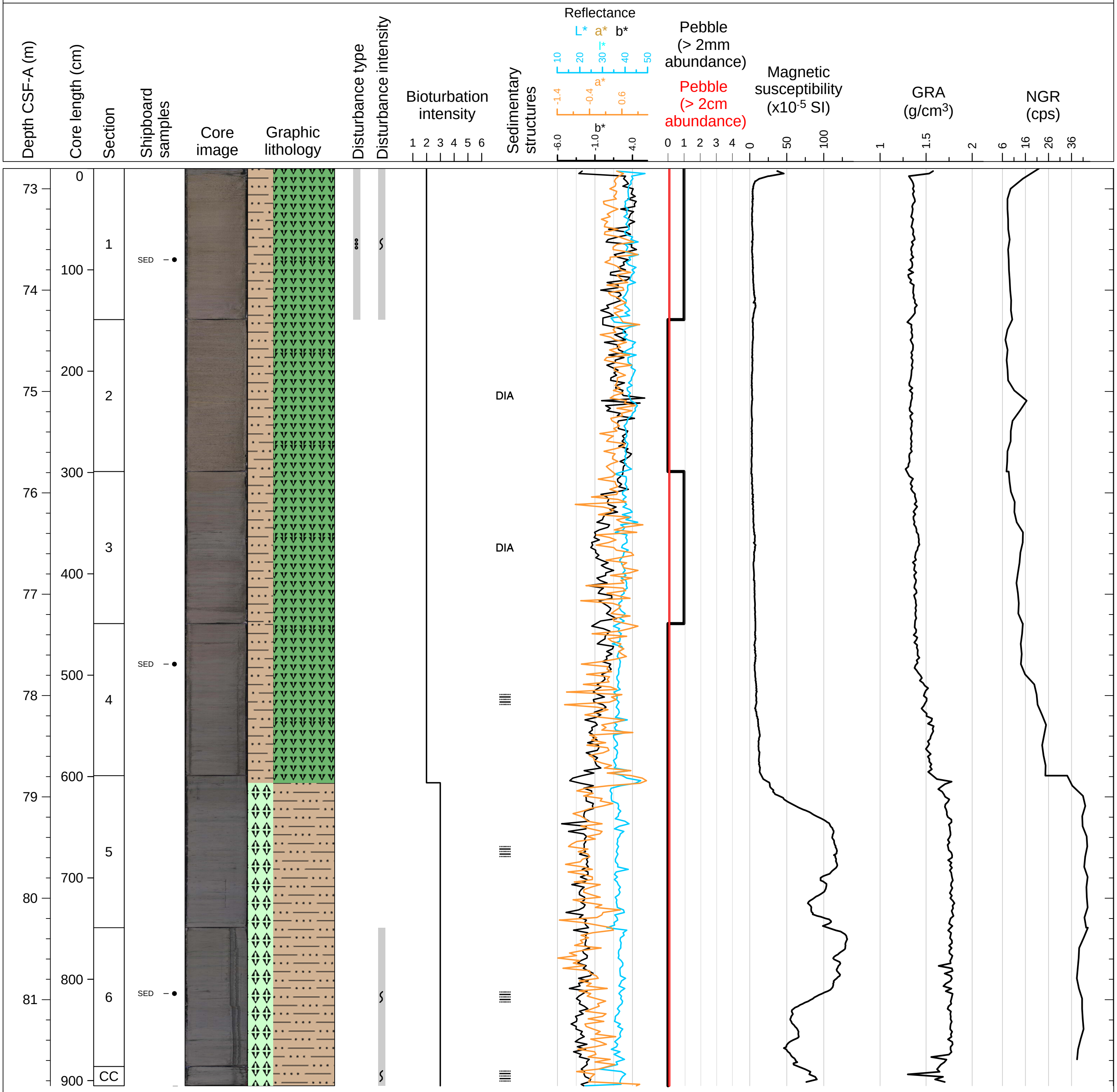
Hole 382-U1537D Core 8H, Interval 63.3-72.83 m (CSF-A)

Interbedded silty clay rich diatom ooze, silty clay bearing diatom ooze and silty clay bearing diatom ooze.



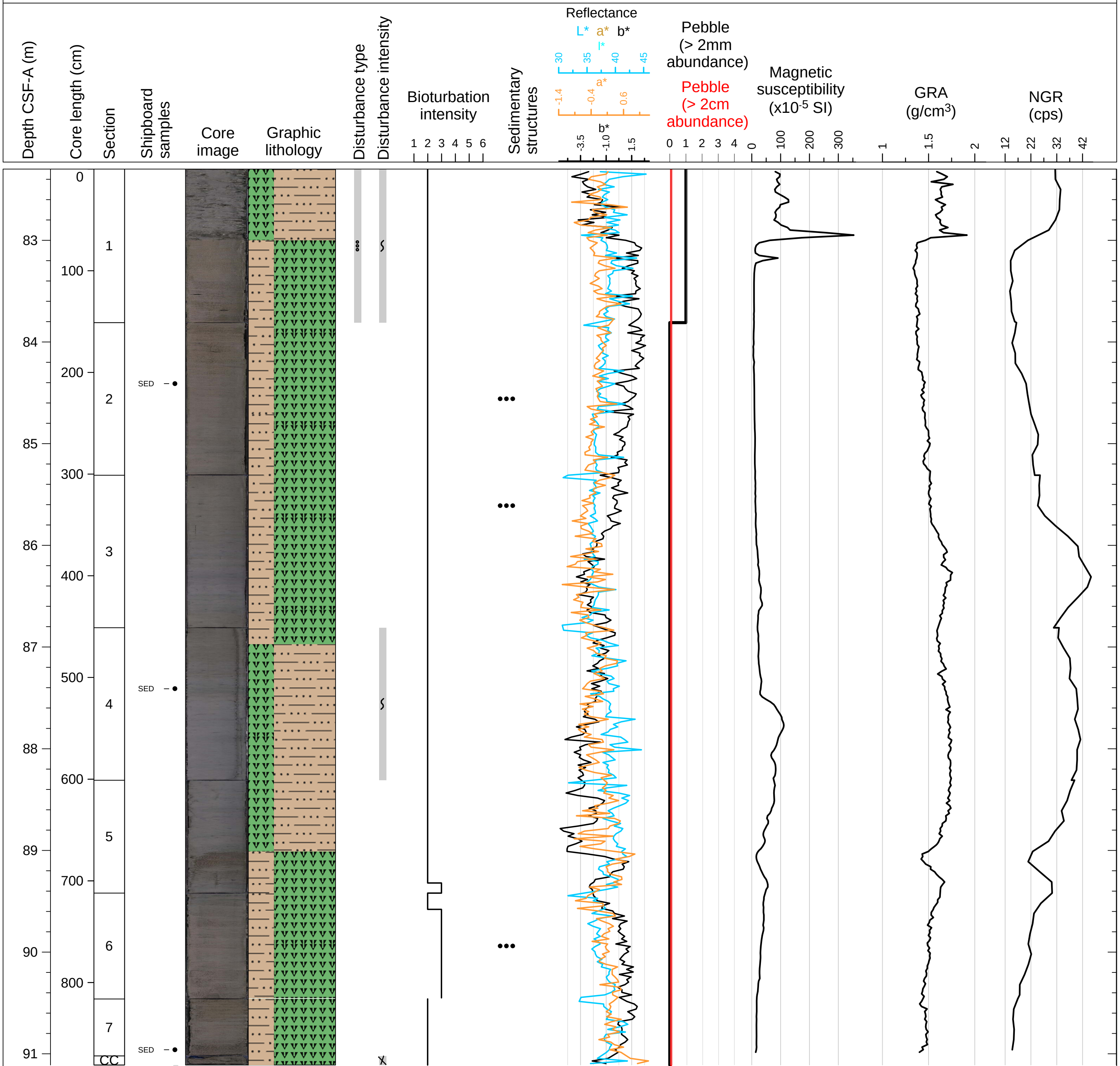
Hole 382-U1537D Core 9H, Interval 72.8-81.85 m (CSF-A)

Interbedded silty clay bearing diatom ooze and biosiliceous bearing silty clay



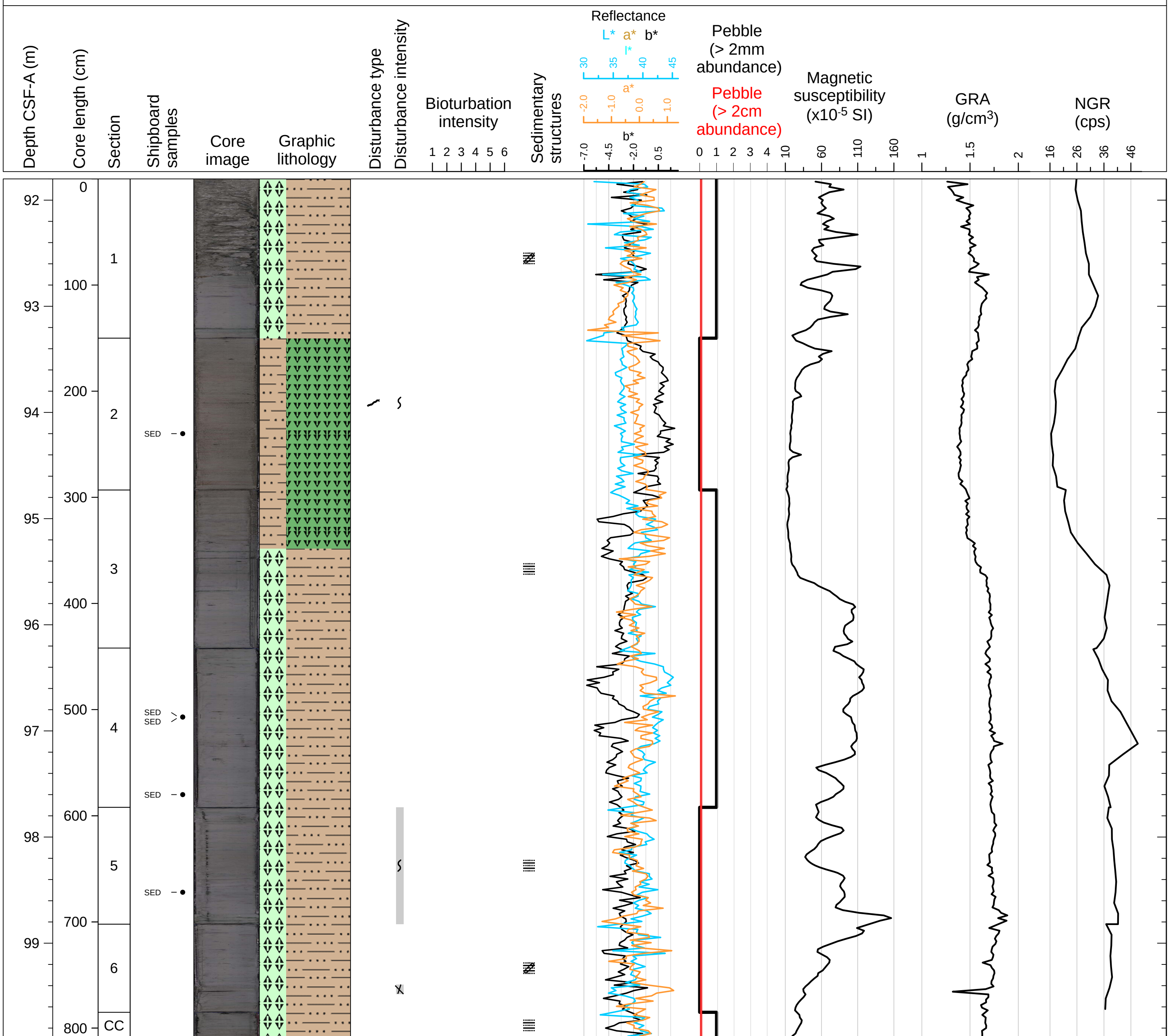
Hole 382-U1537D Core 10H, Interval 82.3-91.11 m (CSF-A)

Interbedded silty clay bearing diatom ooze and diatom rich silty clay.



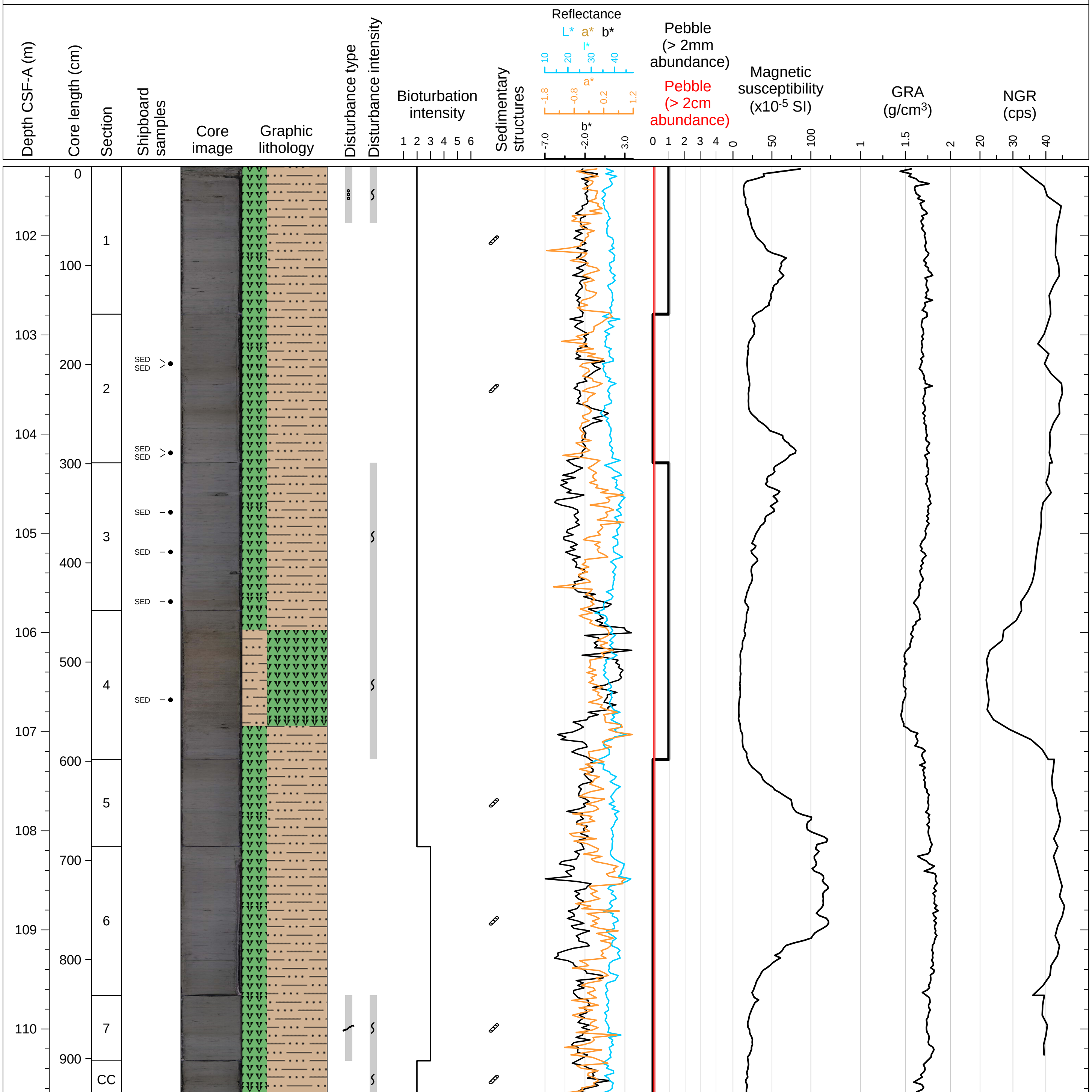
Hole 382-U1537D Core 11H, Interval 91.8-99.9 m (CSF-A)

Dominated biosiliceous bearing silty clay. Section 2A is silty clay bearing diatom ooze. carbonate is present dispersed and in bleb in Section 4A.



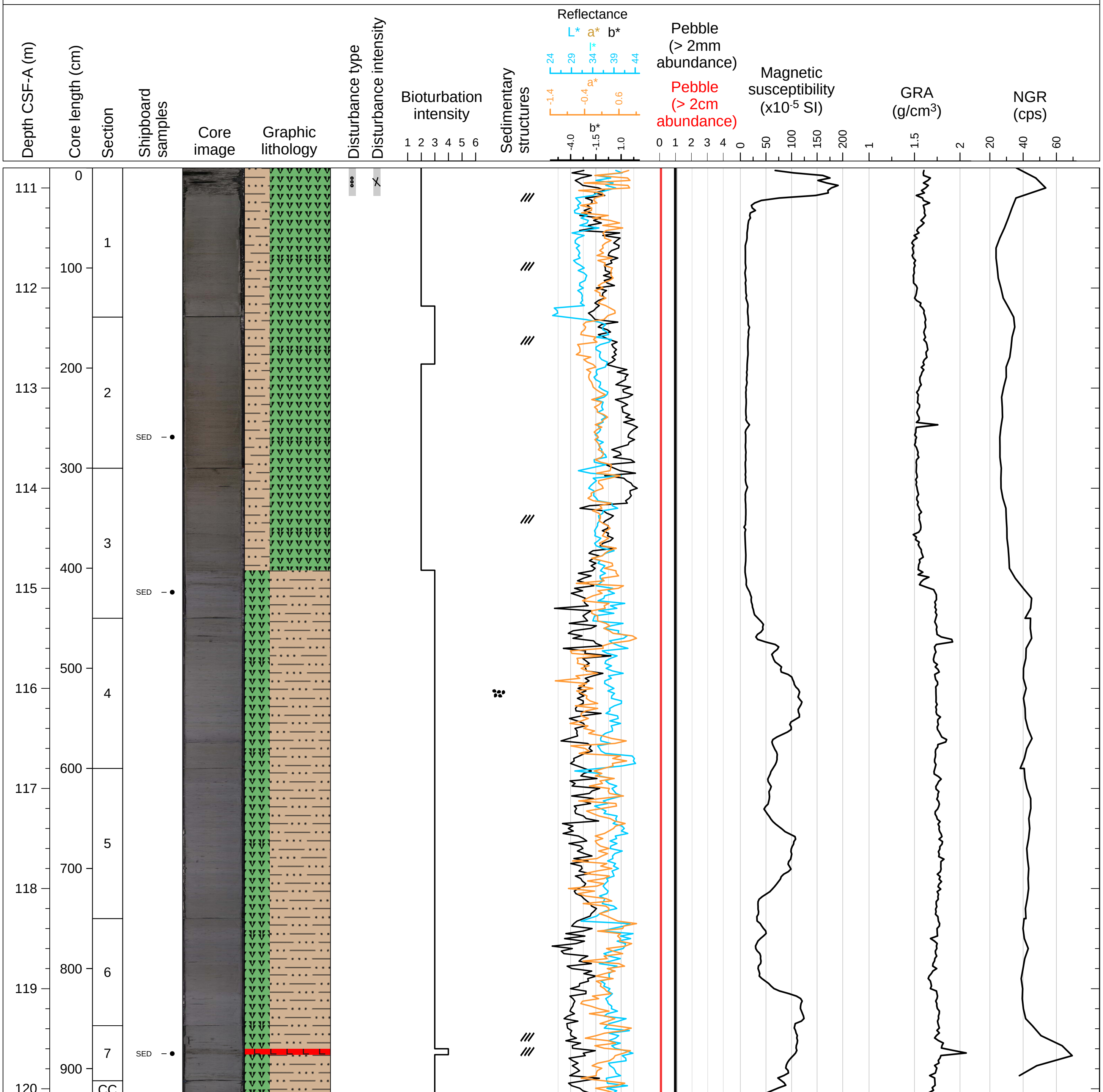
Hole 382-U1537D Core 12H, Interval 101.3-110.7 m (CSF-A)

Dominated diatom bearing greenish gray silty clay with diatom rich silty clay layer. silty clay bearing diatom ooze in Section 4A.



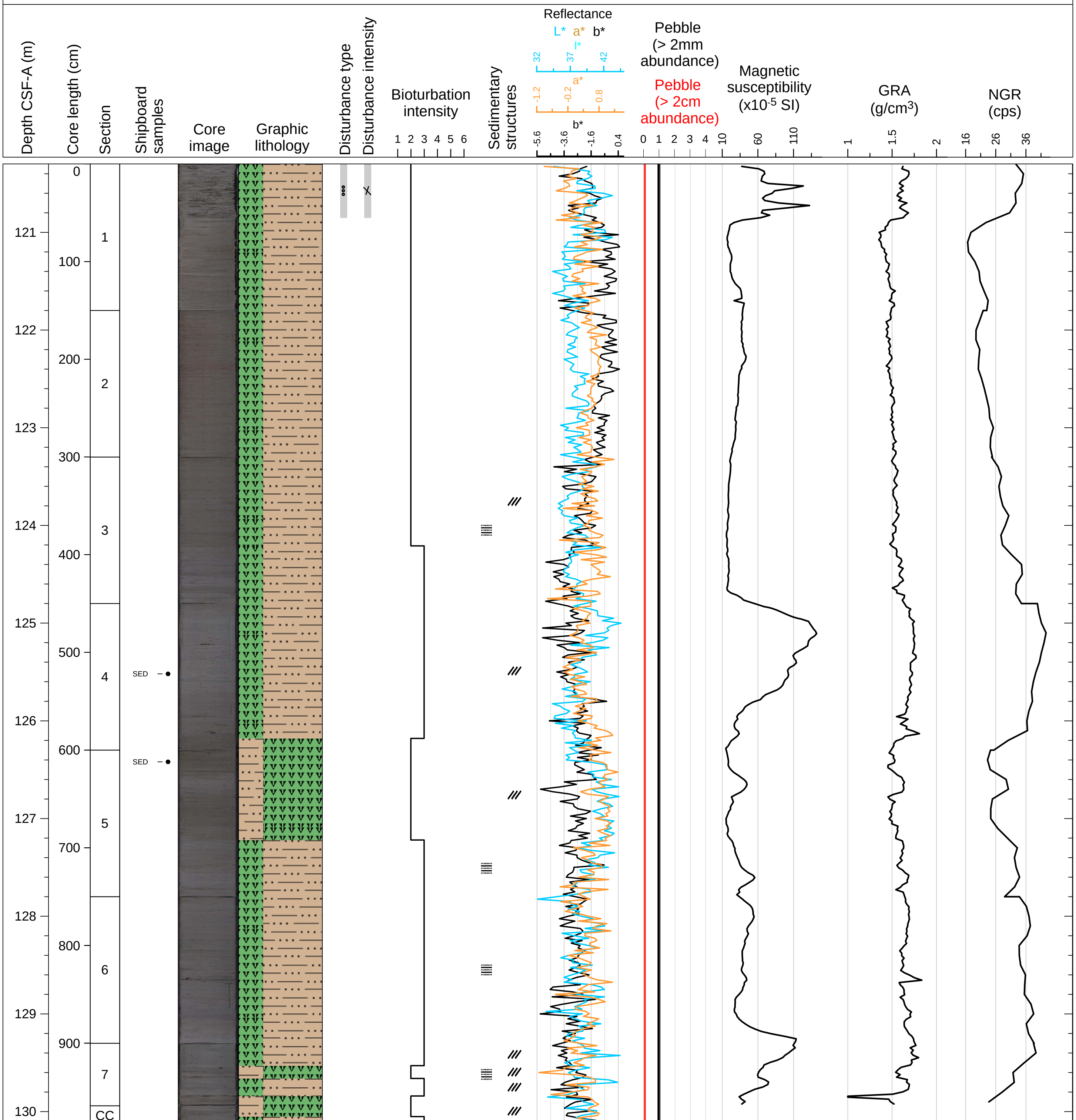
Hole 382-U1537D Core 13H, Interval 110.8-120.1 m (CSF-A)

Interbedded dark greenish grey diatom rich silty clay and clay, carbonate rich layer (tephra) in 7A 23-29 cm, IRD identified via VCD and X-radiographs



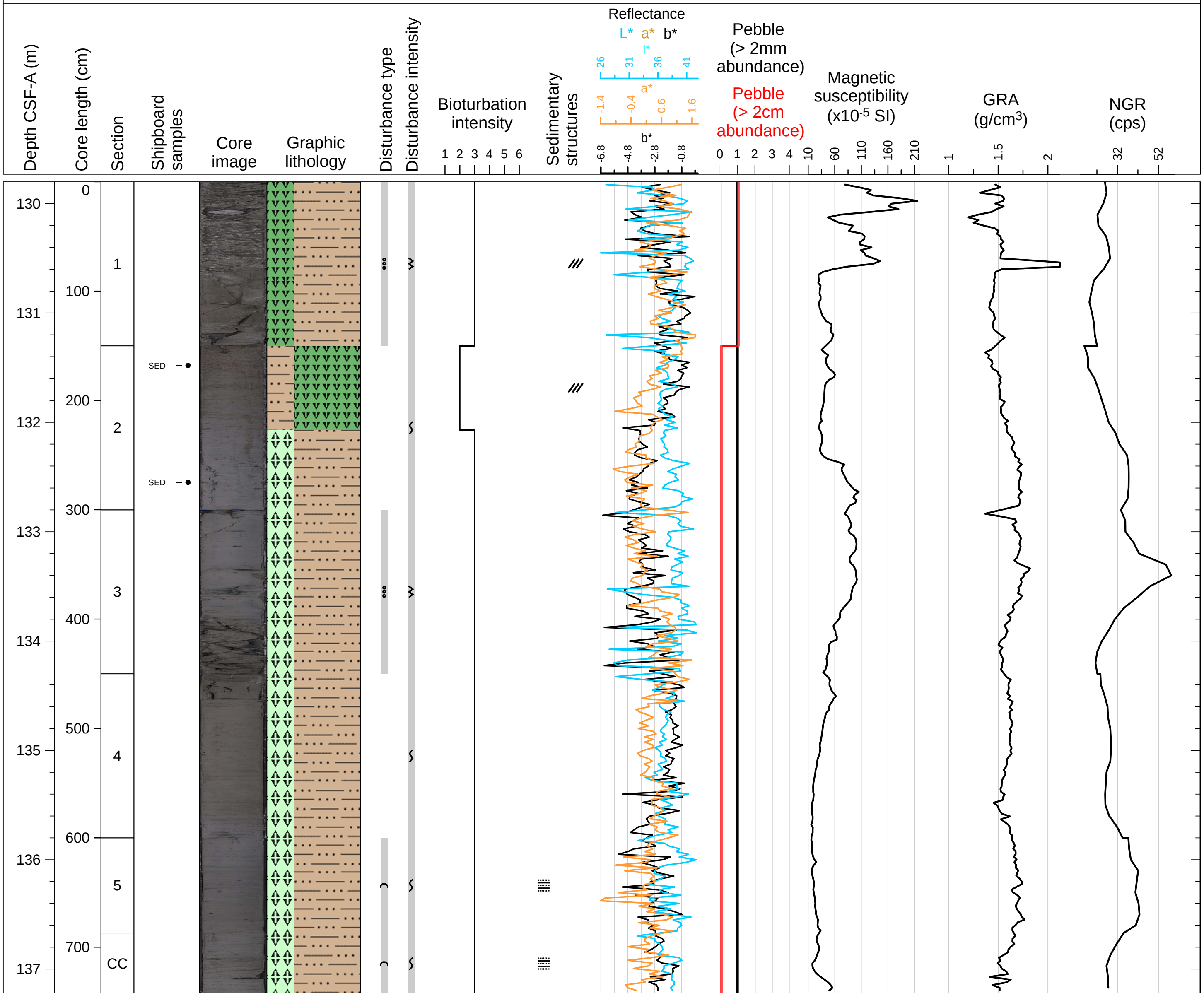
Hole 382-U1537D Core 14H, Interval 120.3-130.14 m (CSF-A)

Interbedded dark to very dark greenish grey silty clay rich diatom ooze and diatom rich silty clay, IRD identified via VCD and X-radiographs



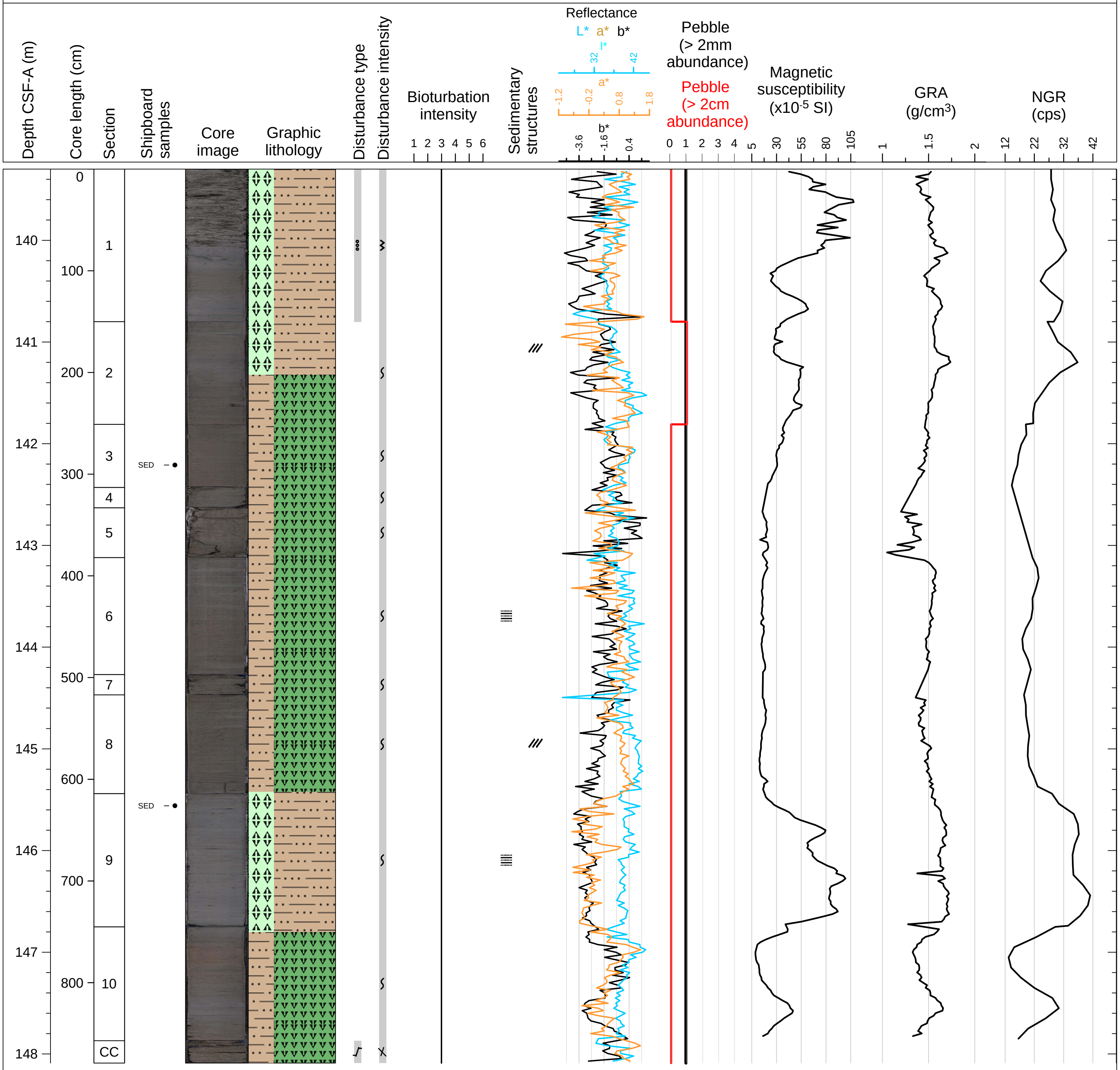
Hole 382-U1537D Core 15H, Interval 129.8-137.23 m (CSF-A)

Interbedded dark greenish grey biosiliceous bearing silty clay and silty clay rich diatom ooze, IRD was predominantly identified via X-radiographs



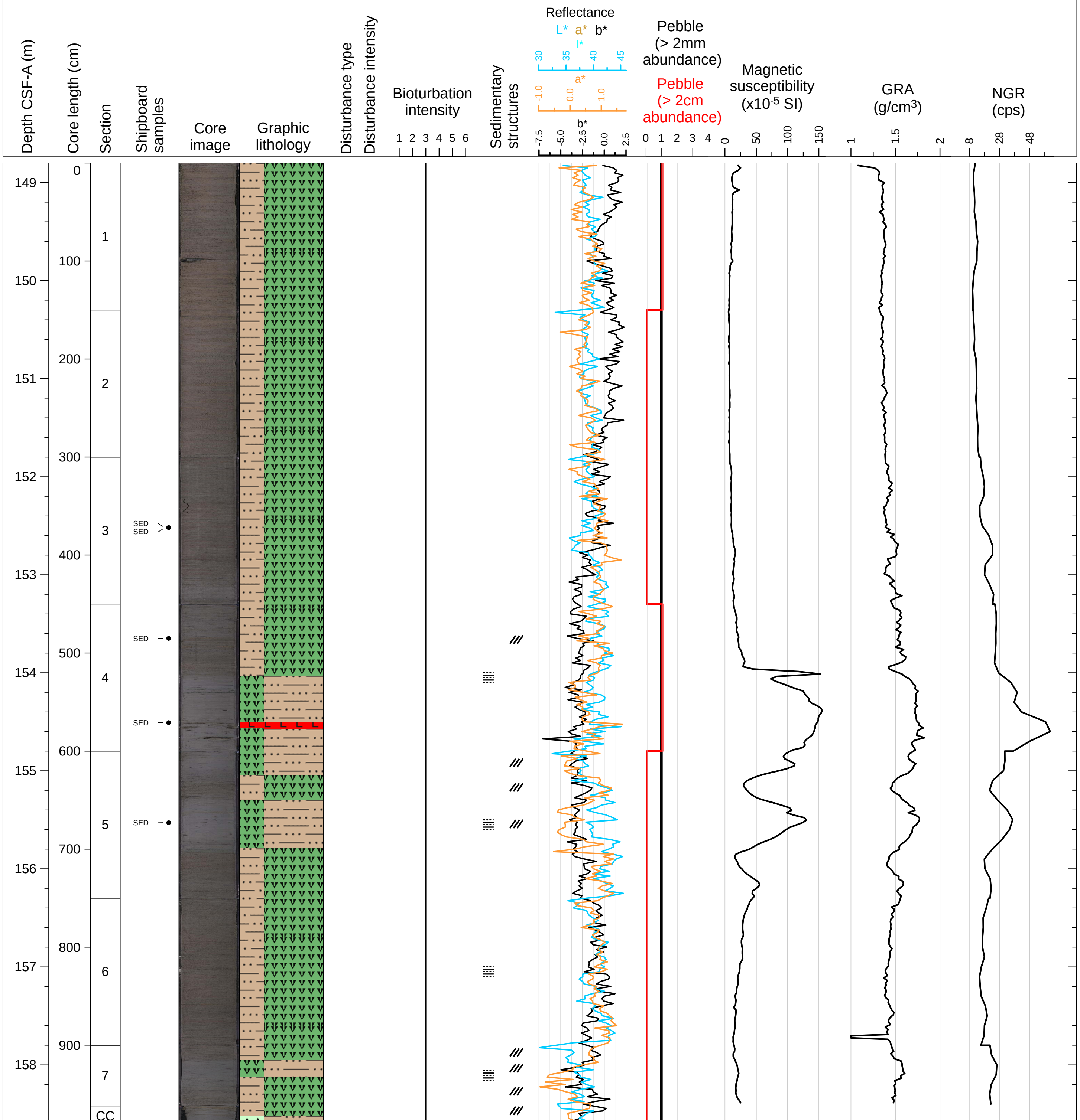
Hole 382-U1537D Core 16H, Interval 139.3-148.09 m (CSF-A)

disturbed interbedded greenish grey silty clayand silty clayey diatom ooze, IRD was predominantly identified via X-radiography



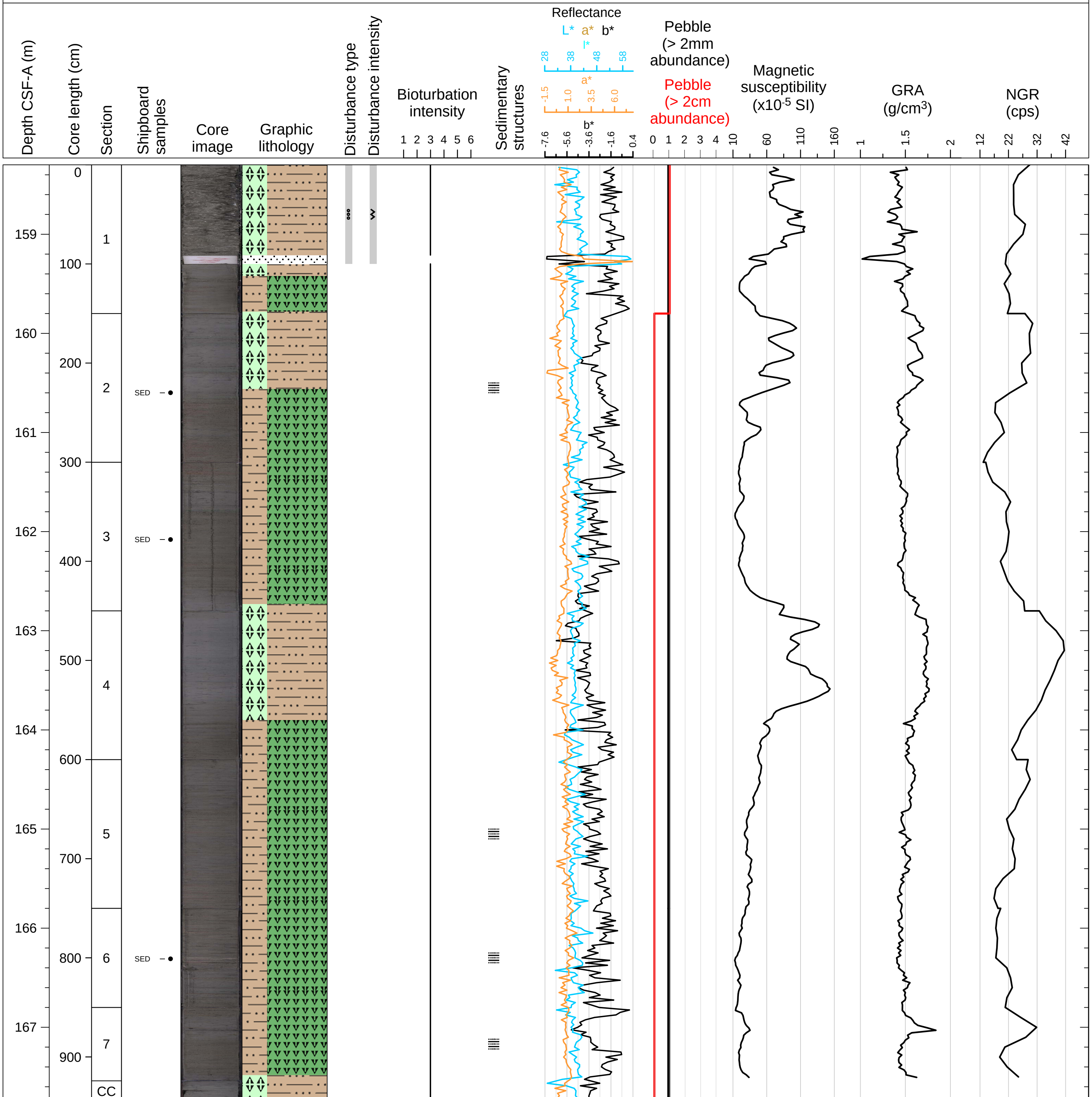
Hole 382-U1537D Core 17H, Interval 148.8-158.62 m (CSF-A)

Interbedded dark greenish grey biosiliceous bearing silty clay and silty clay rich diatom ooze, IRD was predominantly identified via X-radiographs, carbonate rich (tephra) layer in 4A 120-129, pocket of carbonate rich material+clast at 4A 136-139 cm



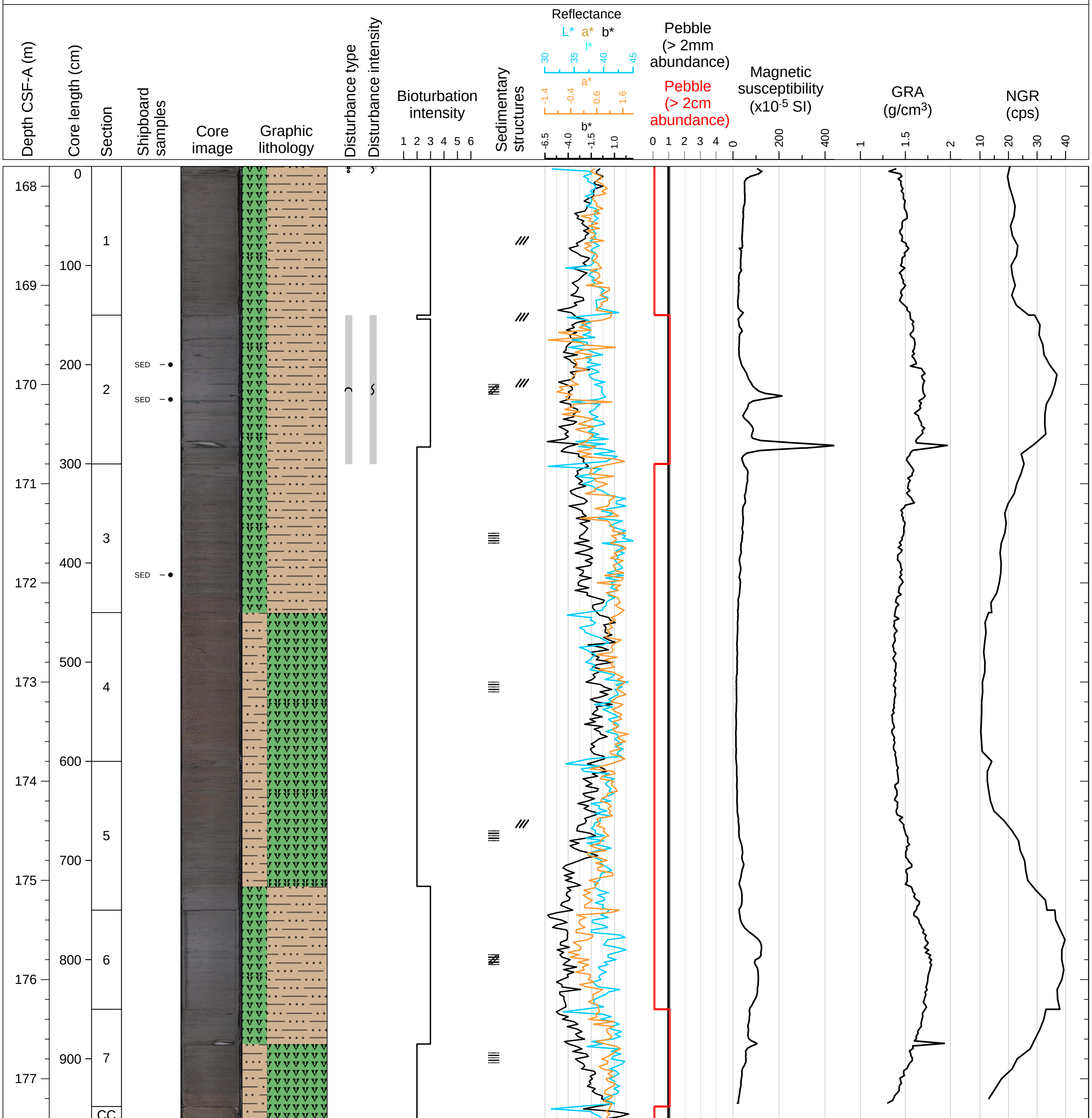
Hole 382-U1537D Core 18H, Interval 158.3-167.75 m (CSF-A)

Interbedded dark greenish grey biosiliceous bearing silty clay and silty clay rich diatom ooze, IRD was predominantly identified via X-radiographs



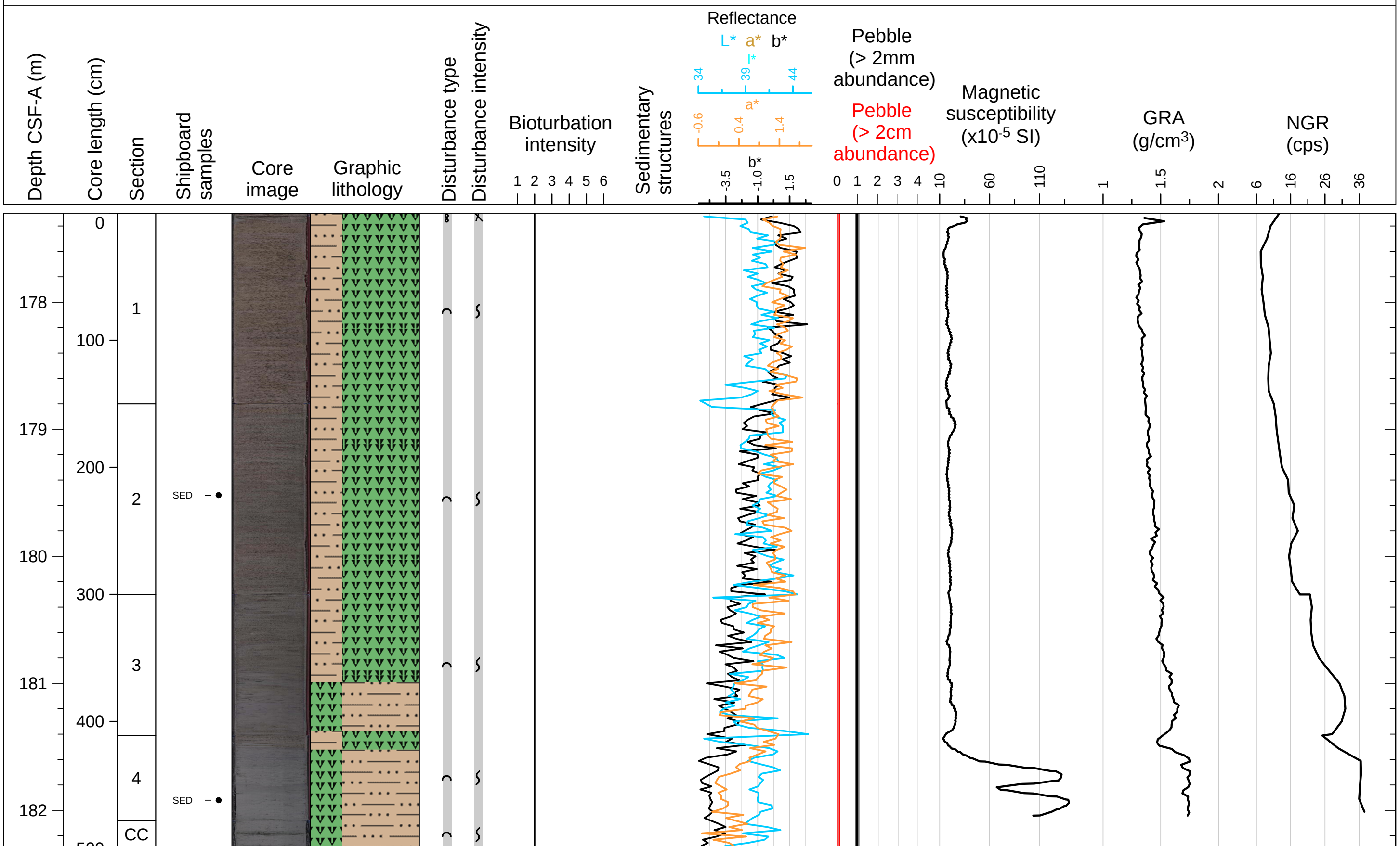
Hole 382-U1537D Core 19H, Interval 167.8-177.45 m (CSF-A)

interbedded dark greenish grey silty clay bearing diatom ooze and diatom rich silty clay, IRD predominantly identified via X-radiographs,larger IRD at the base of the silty clay in 2A and 7A



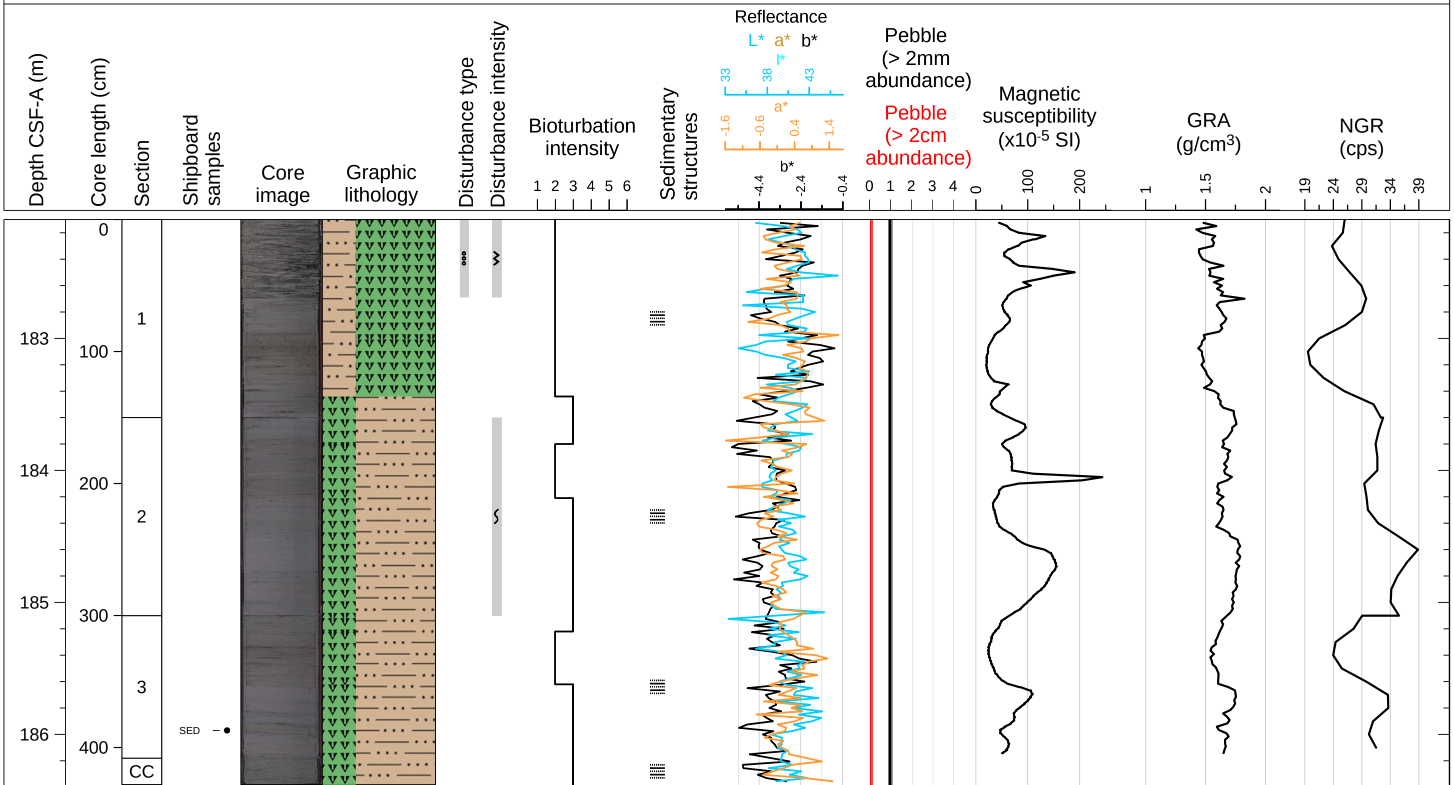
Hole 382-U1537D Core 20F, Interval 177.3-182.3 m (CSF-A)

interbedded dark greenish grey silty clay bearing diatom ooze and diatom rich silty clay, IRD predominantly identified via X-radiographs



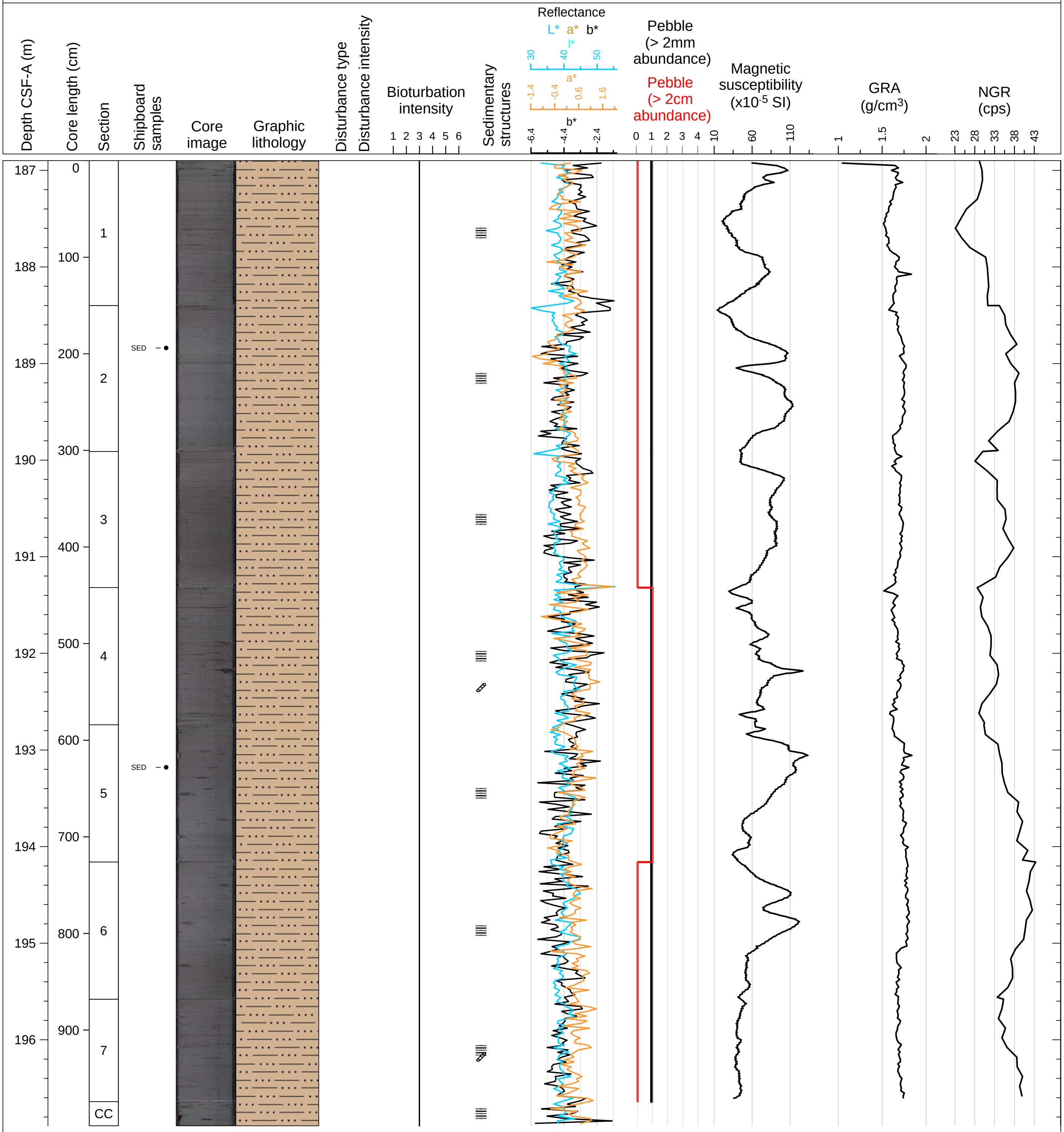
Hole 382-U1537D Core 21F, Interval 182.1-186.38 m (CSF-A)

interbedded dark greenish grey silty clay bearing diatom ooze and diatom rich silty clay, IRD predominantly identified via X-radiographs



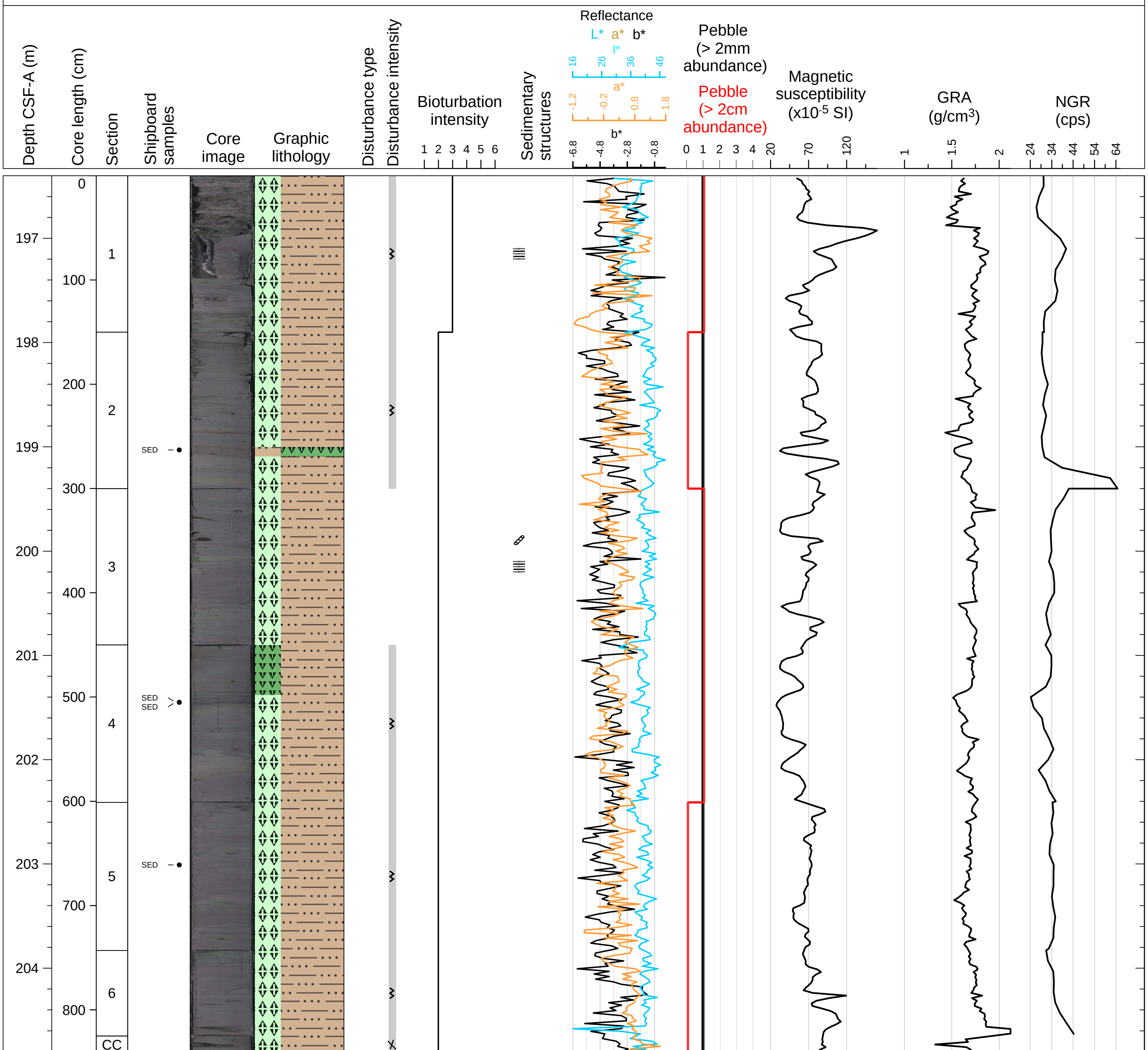
Hole 382-U1537D Core 22H, Interval 186.9-196.89 m (CSF-A)

dark greenish grey silty clay, IRD predominantly identified via X-radiographs



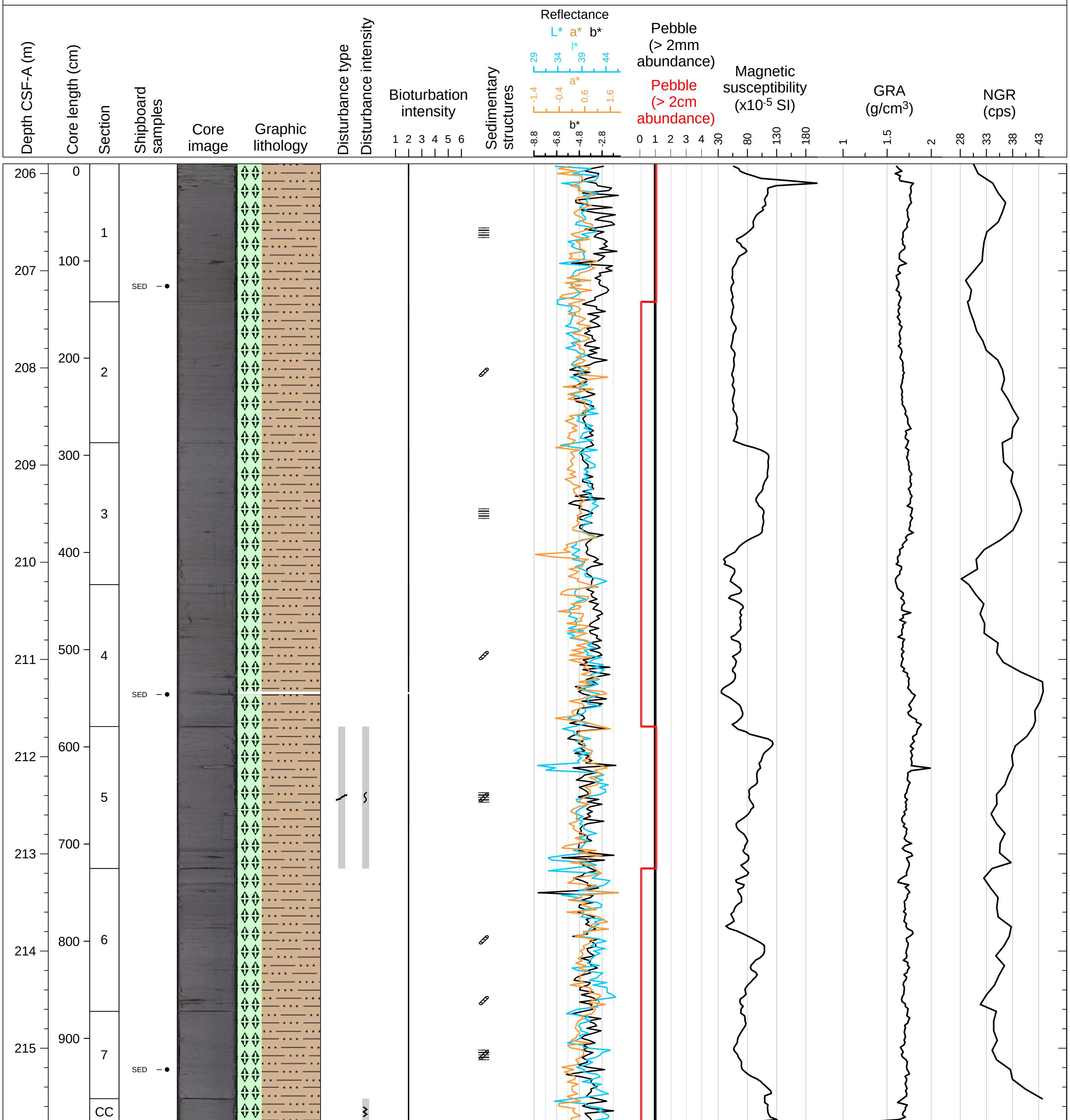
Hole 382-U1537D Core 23H, Interval 196.4-204.82 m (CSF-A)

dominated biosiliceous bearing silty clay. silty clay rich diatom ooze layer in Section 2A. diatom rich silty clay in Section 4A. IRD was predominantly identified via X-radiographs



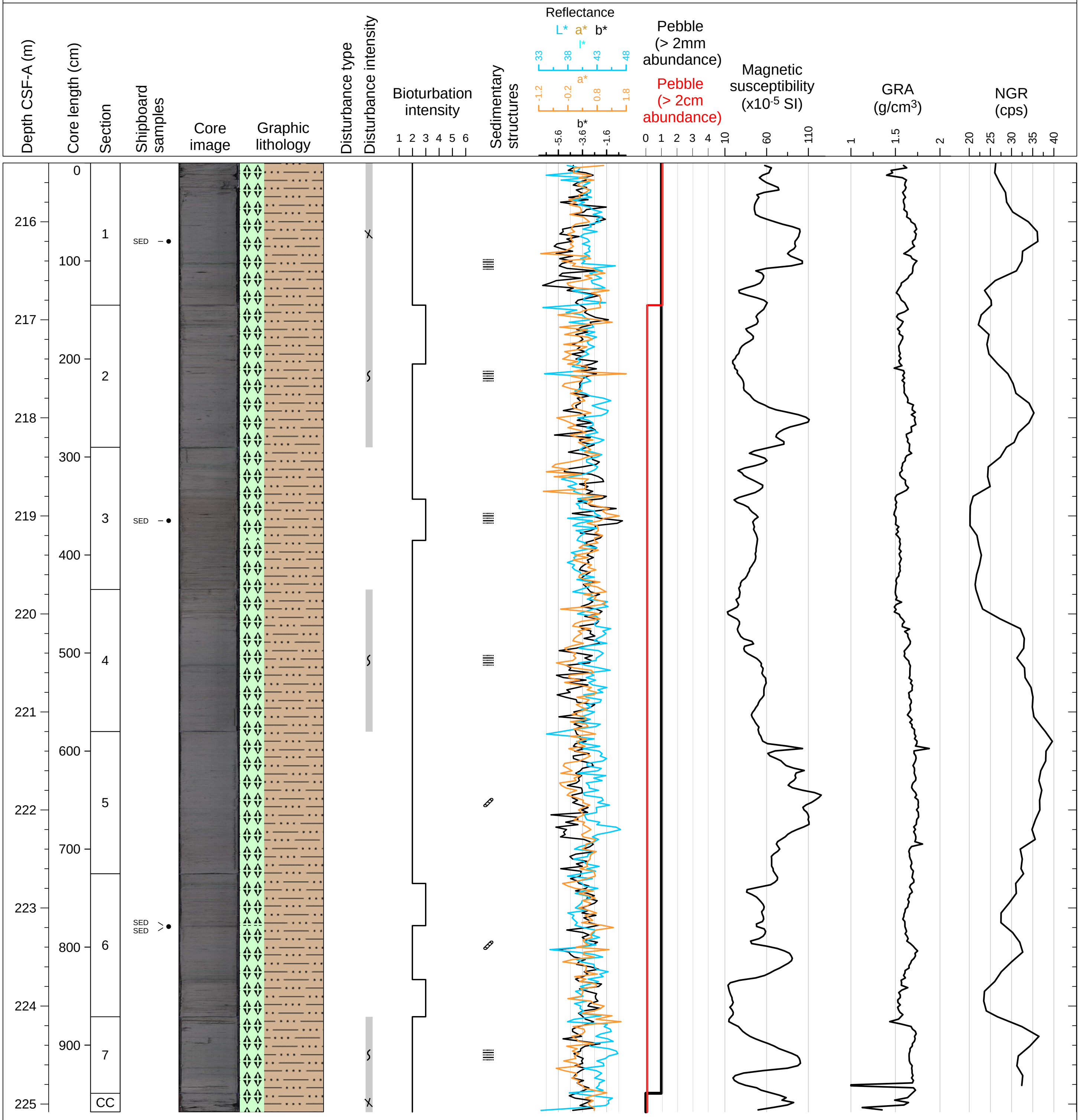
Hole 382-U1537D Core 24H, Interval 205.9-215.79 m (CSF-A)

Dominated biosiliceous bearing silty clay. pyritized layer in Section 4A. pyritezed drop stone is Sction 5A.



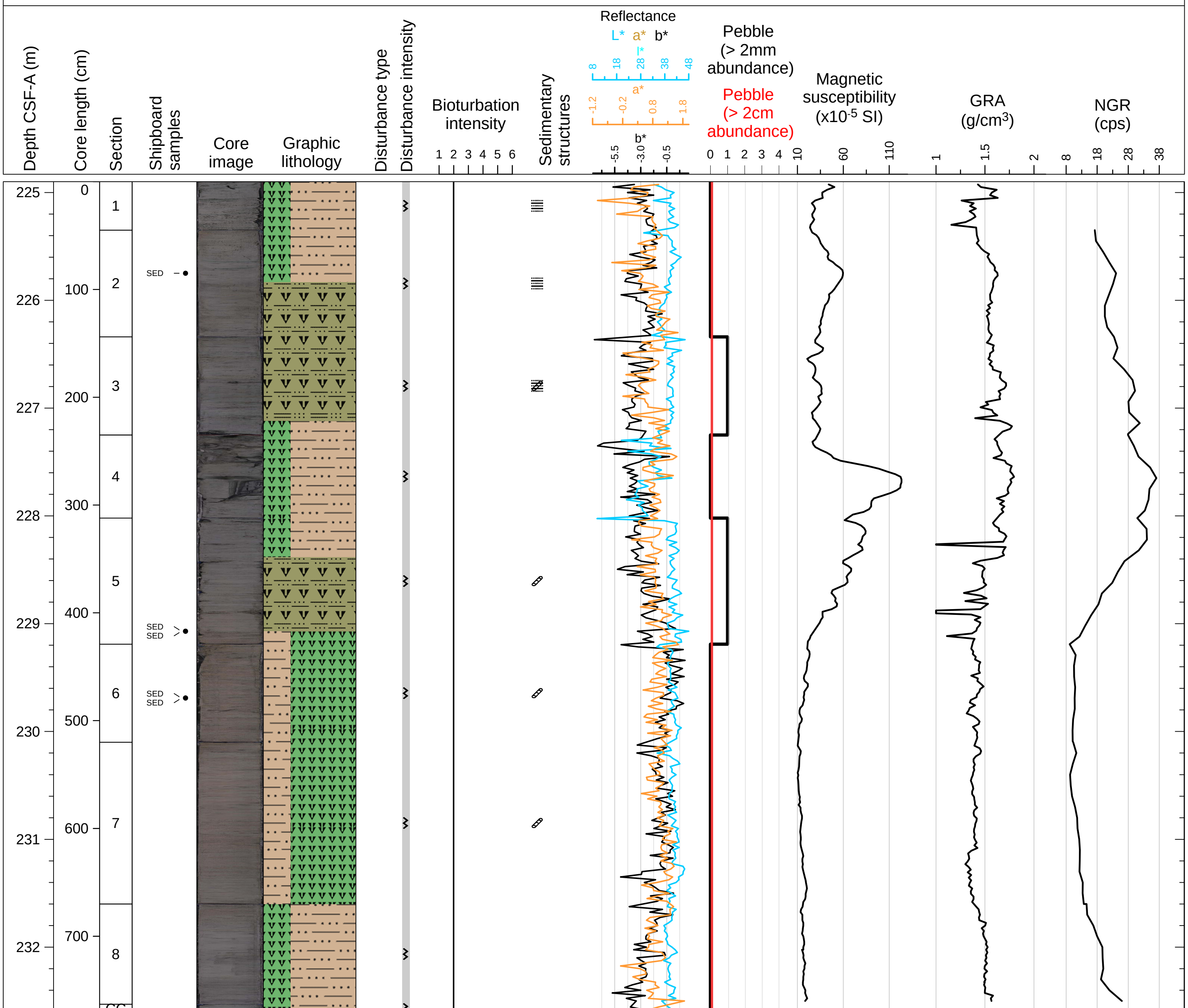
Hole 382-U1537D Core 25H, Interval 215.4-225.08 m (CSF-A)

Dominated biosiliceous bearing silty clay with color bandings. biosiliceous rich silty clay in Section 3A.



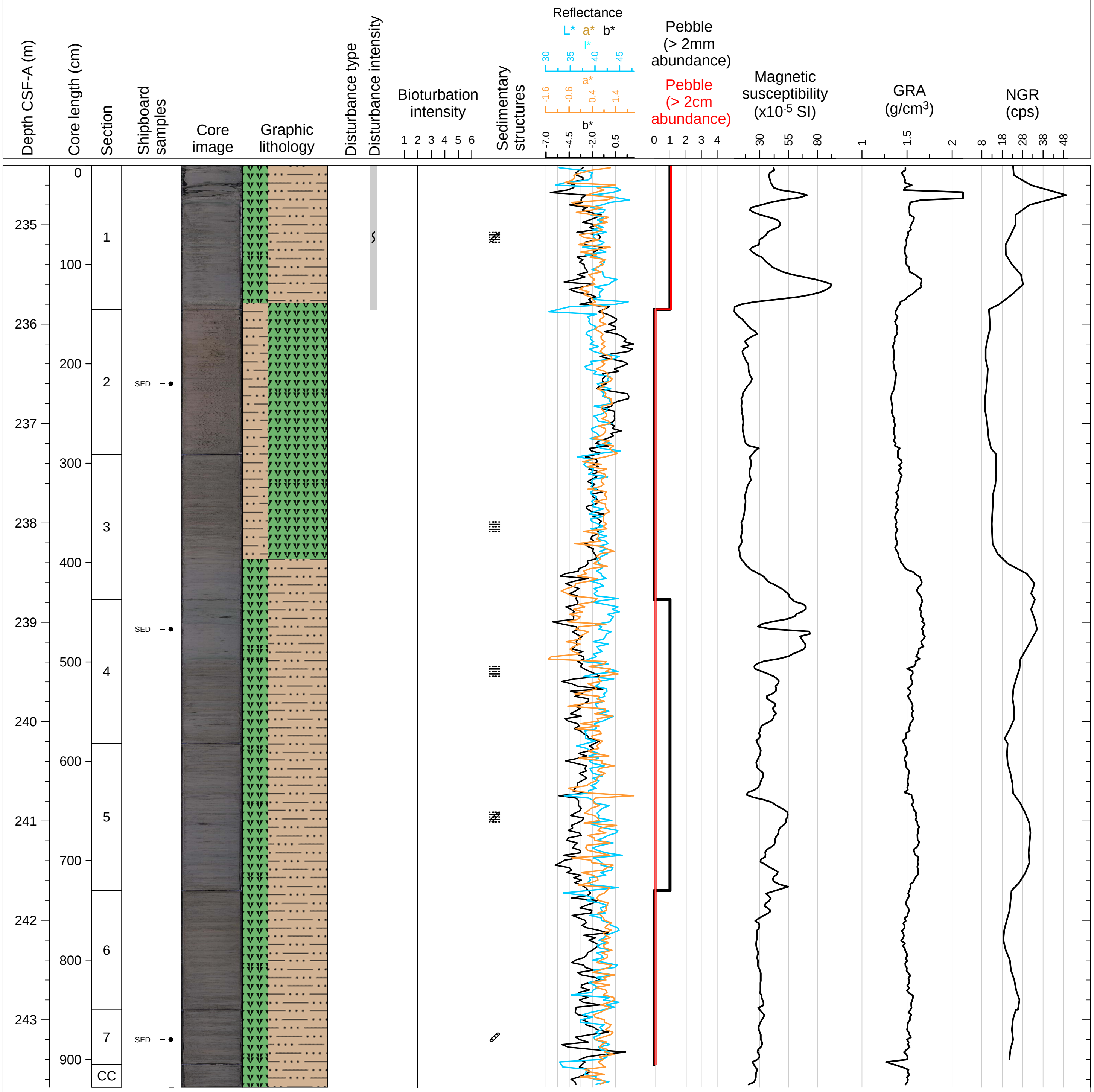
Hole 382-U1537D Core 26H, Interval 224.9-232.62 m (CSF-A)

Interbedded highly drilling disturbance diatom bearing silty clay and silty clay rich diatom ooze.



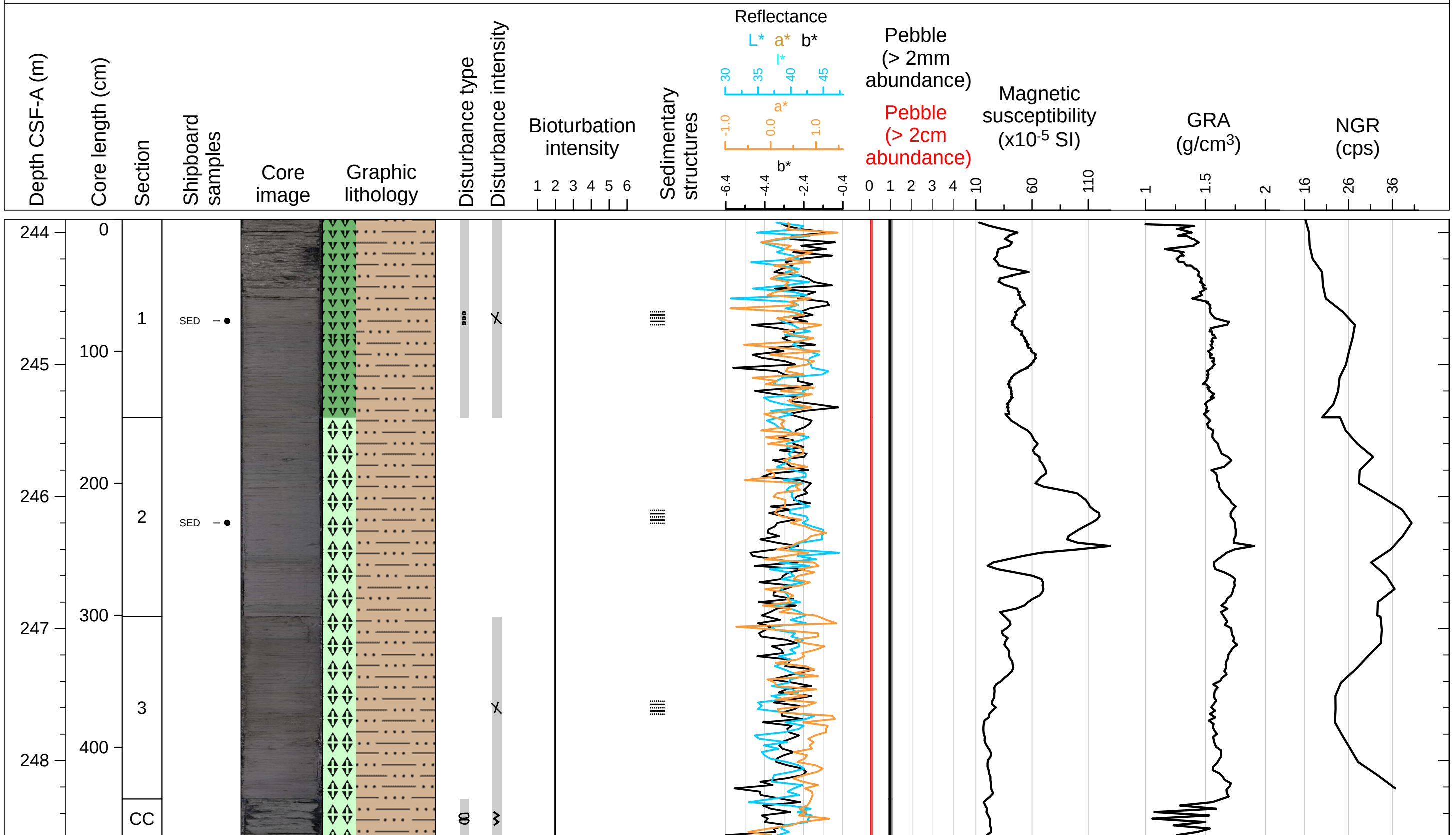
Hole 382-U1537D Core 27H, Interval 234.4-243.68 m (CSF-A)

Interbedded silty clay bearing diatom ooze and diatom rich silty clay.



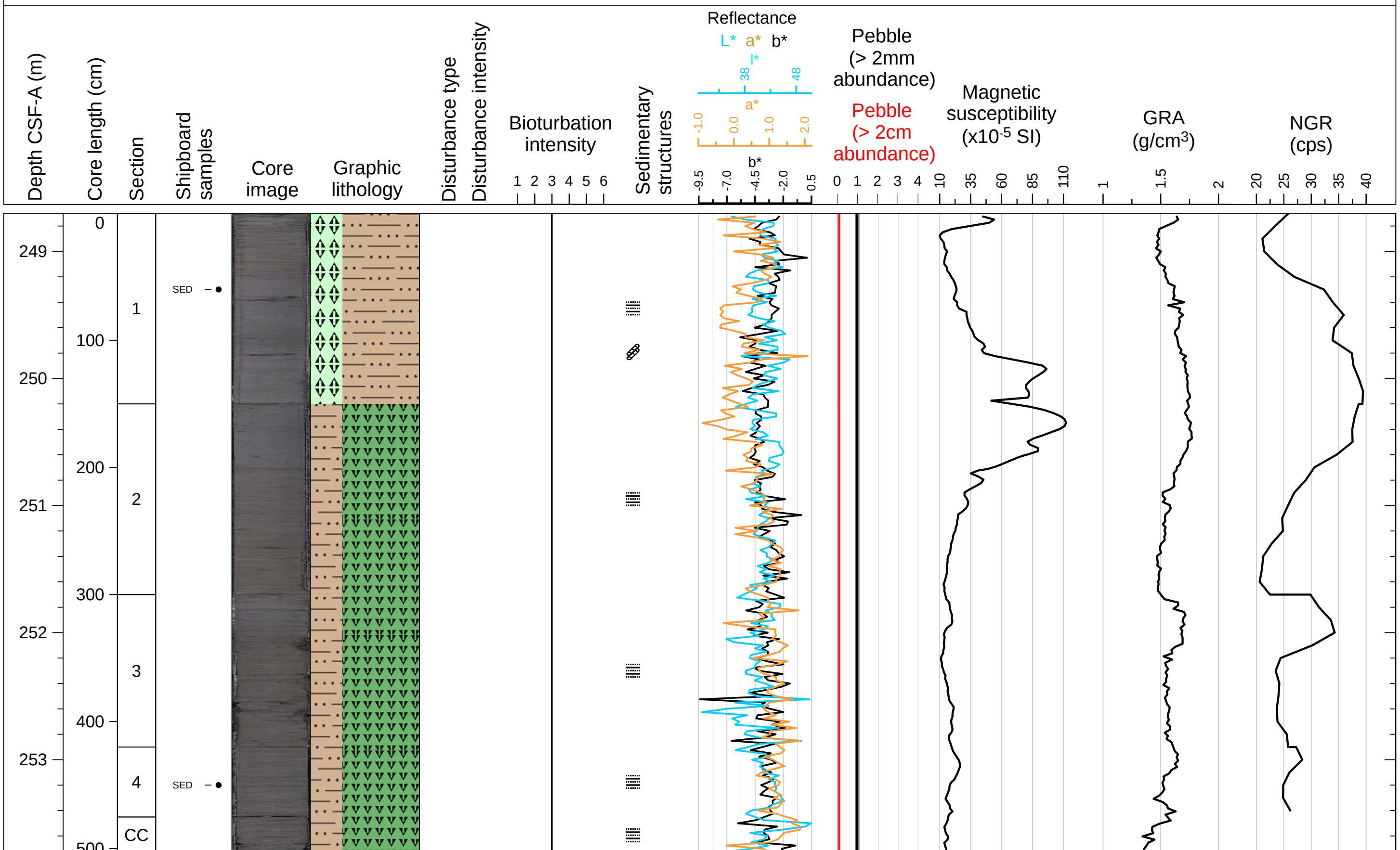
Hole 382-U1537D Core 28F, Interval 243.9-248.59 m (CSF-A)

dark greenish grey silty clay, IRD predominantly identified via X-radiographs



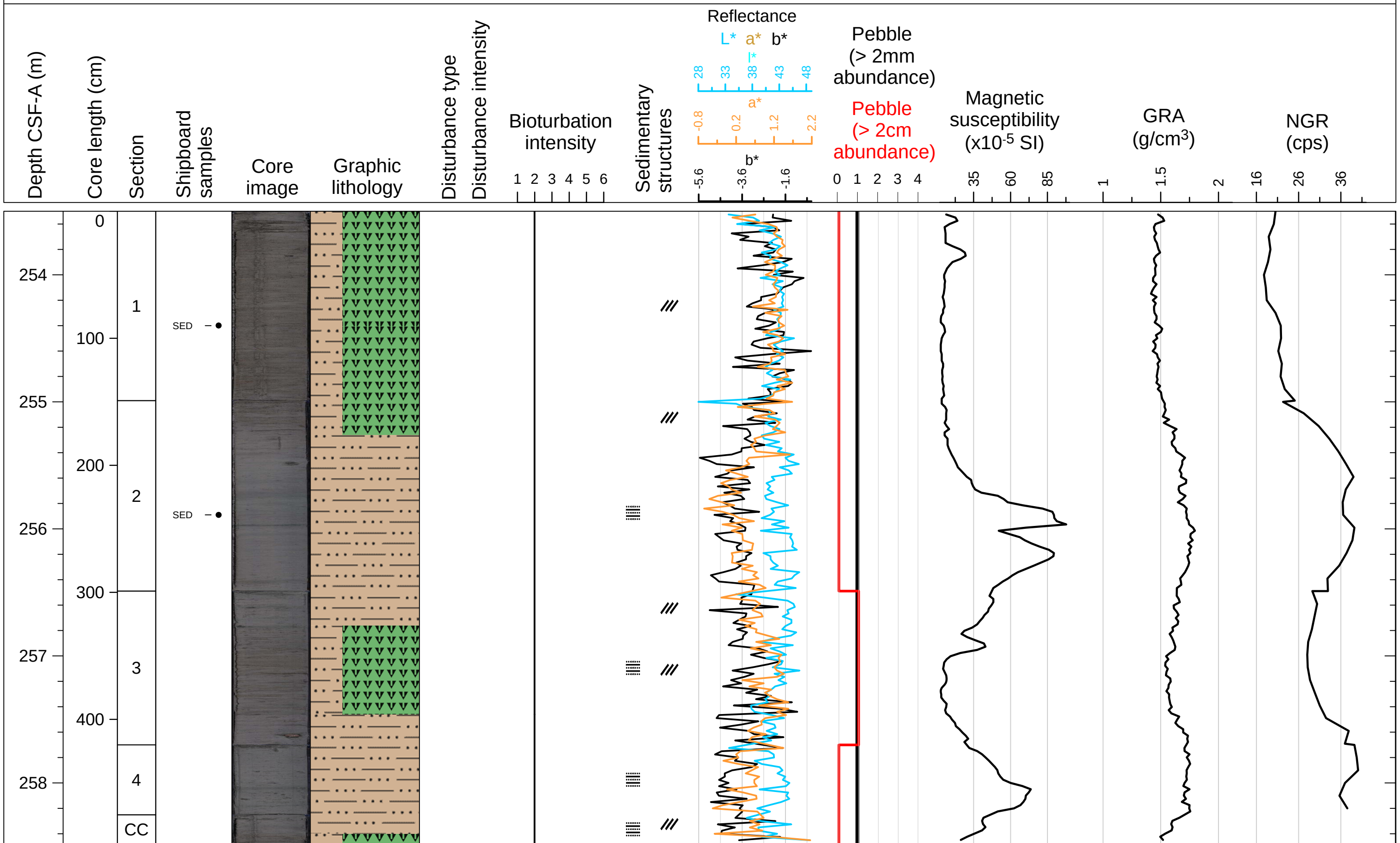
Hole 382-U1537D Core 29F, Interval 248.7-253.74 m (CSF-A)

dark greenish grey silty clay, IRD predominantly identified via X-radiographs



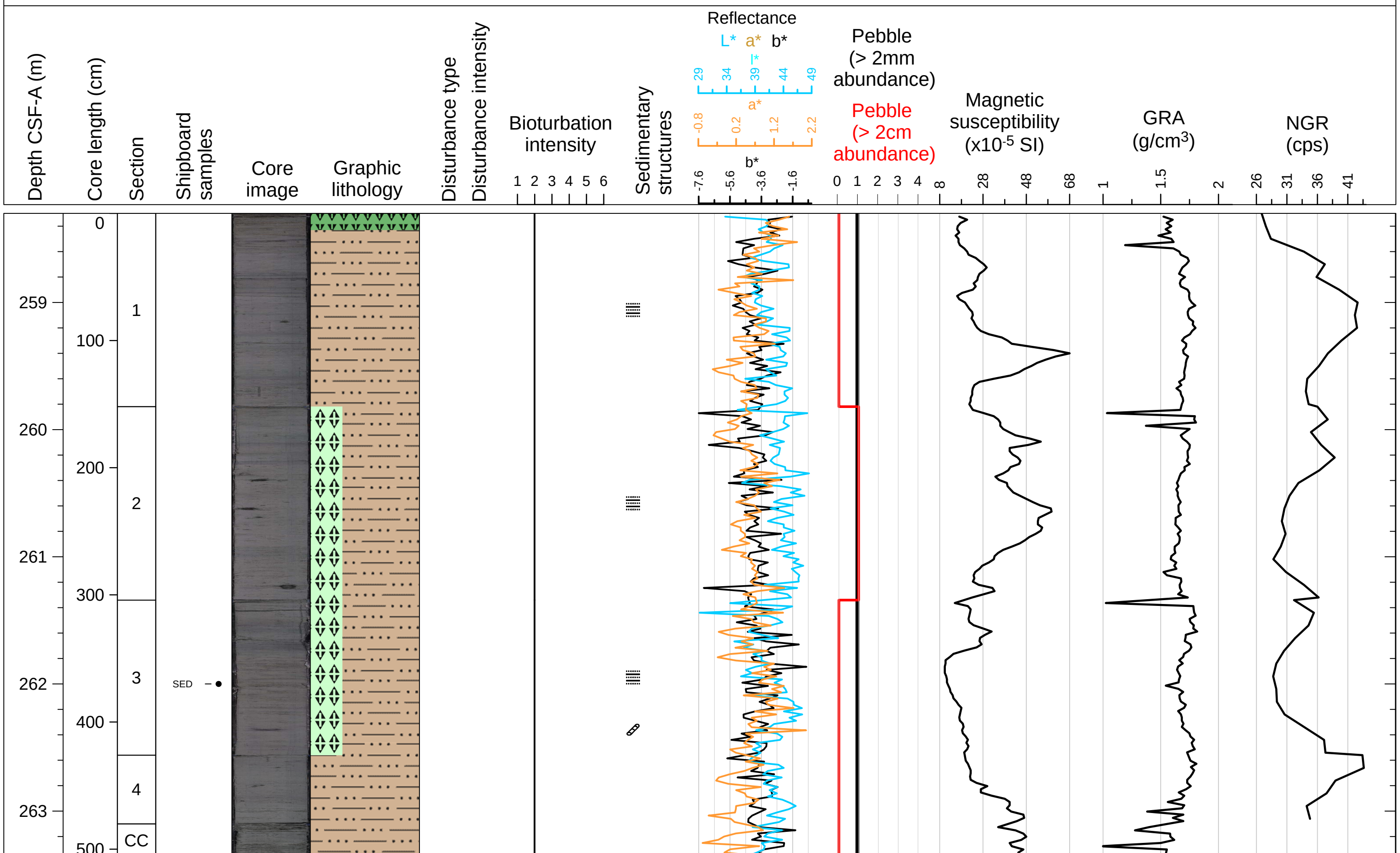
Hole 382-U1537D Core 30F, Interval 253.5-258.48 m (CSF-A)

interbedded dark greenish grey diatom ooze and silty clay, IRD predominantly identified via X-radiographs



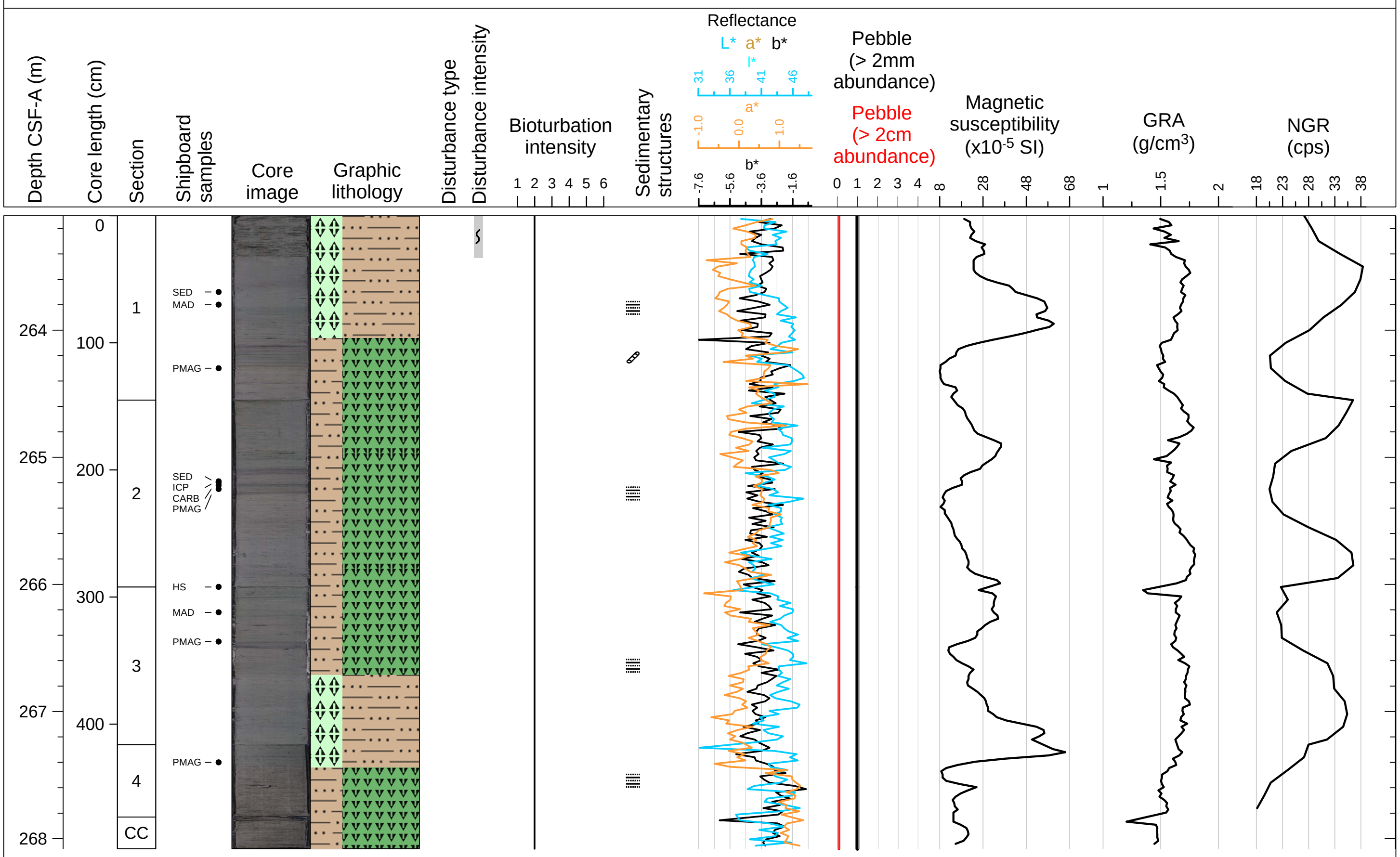
Hole 382-U1537D Core 31F, Interval 258.3-263.36 m (CSF-A)

interbedded dark greenish grey diatom ooze and silty clay, IRD predominantly identified via X-radiographs



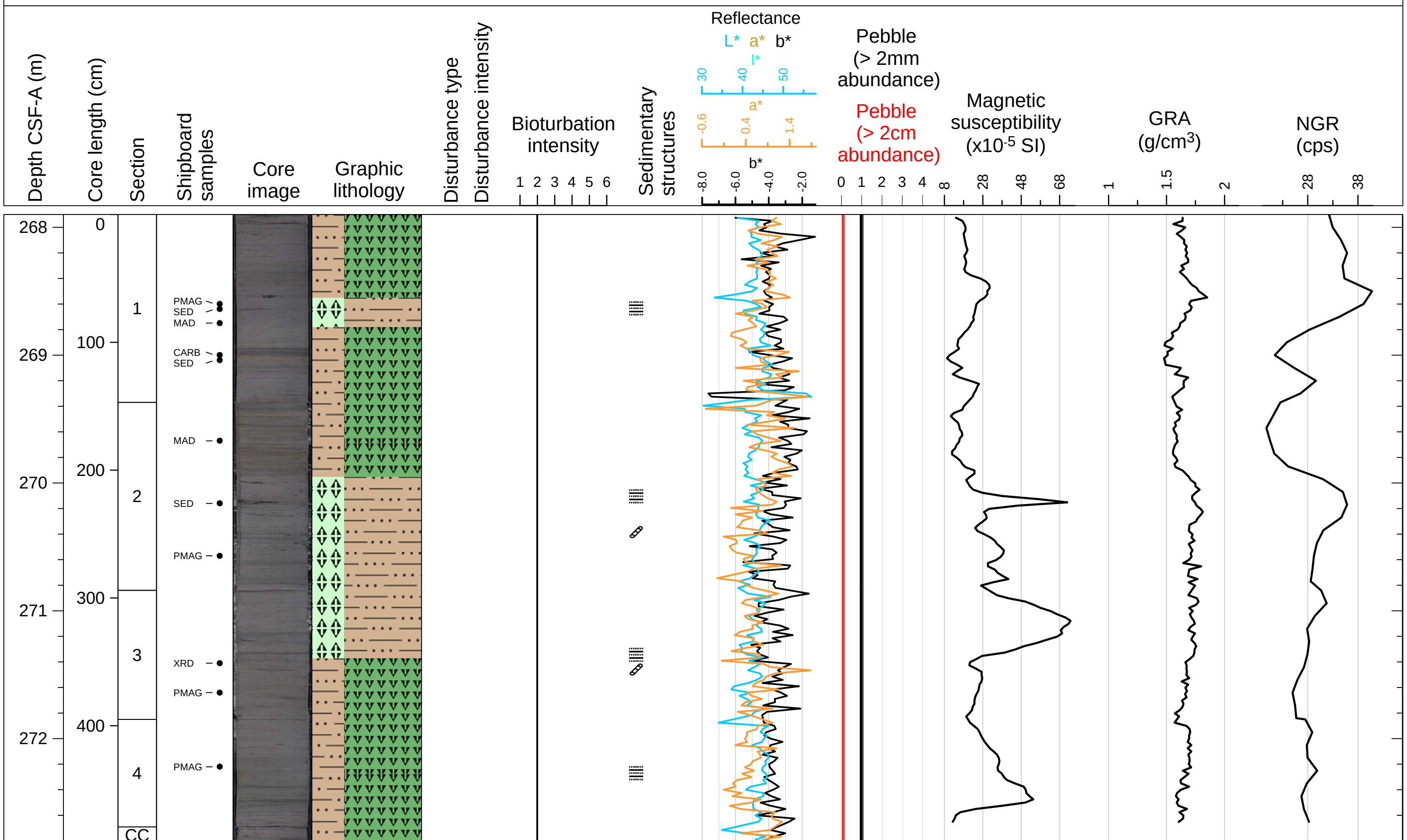
Hole 382-U1537D Core 32F, Interval 263.1-268.08 m (CSF-A)

interbedded dark greenish grey diatom ooze and silty clay, IRD predominantly identified via X-radiographs



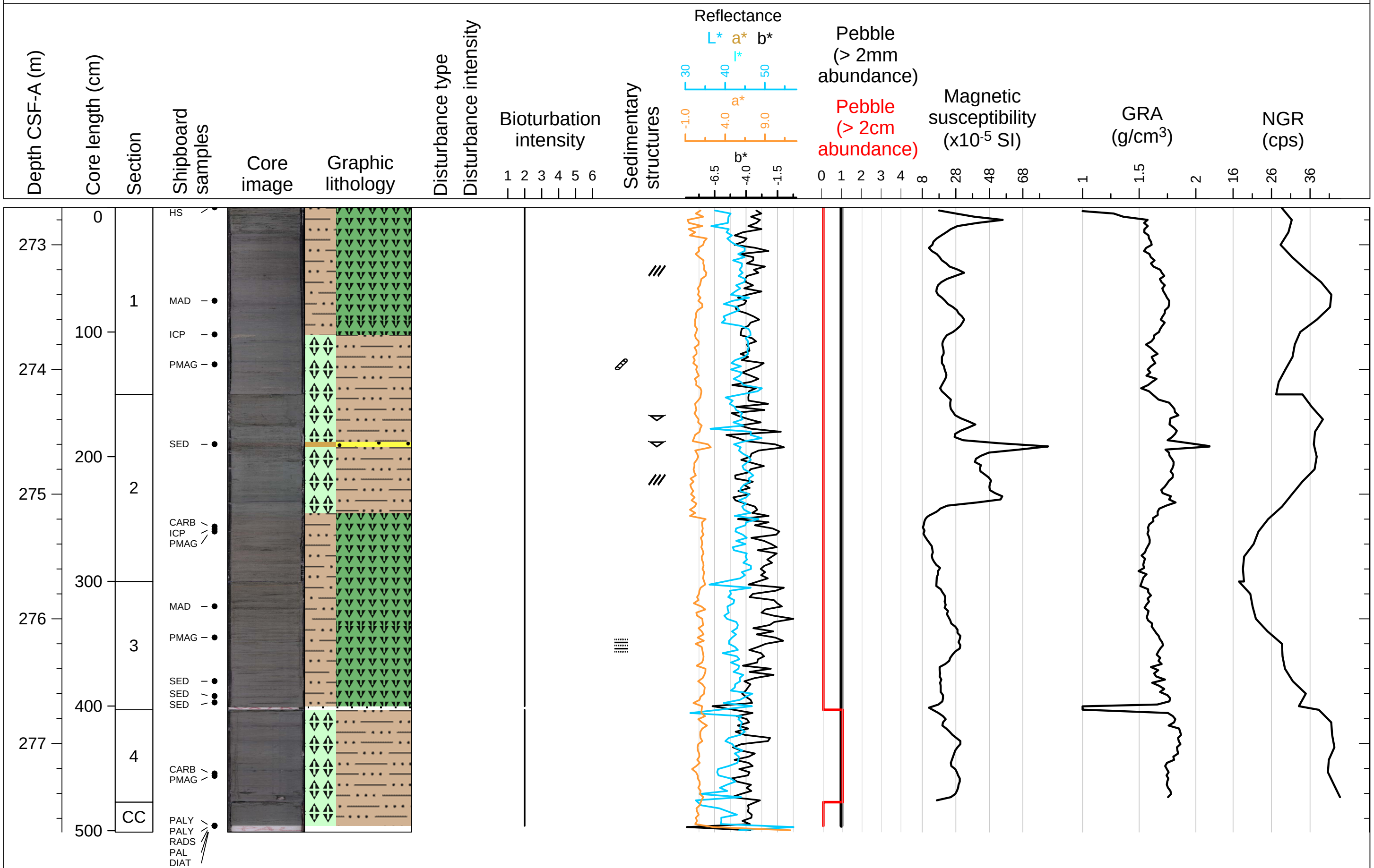
Hole 382-U1537D Core 33F, Interval 267.9-272.82 m (CSF-A)

interbedded dark greenish grey diatom ooze and silty clay, IRD predominantly identified via X-radiographs



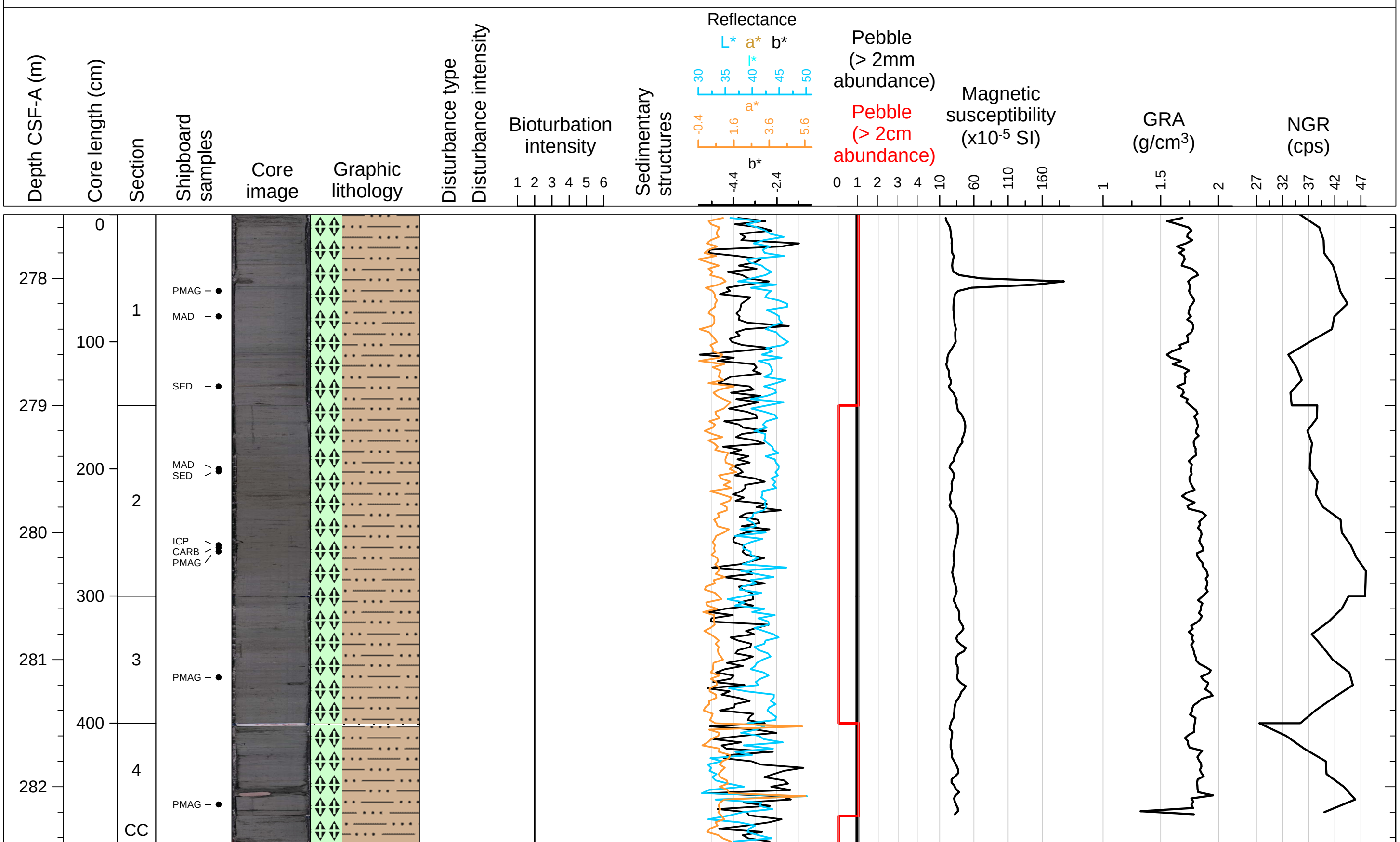
Hole 382-U1537D Core 34F, Interval 272.7-277.71 m (CSF-A)

interbedded dark greenish grey diatom ooze and silty clay, IRD predominantly identified via X-radiographs, sand layer (turbidite) 2A 38-42 cm, several layers of pyretized biosilica bearing silty clay



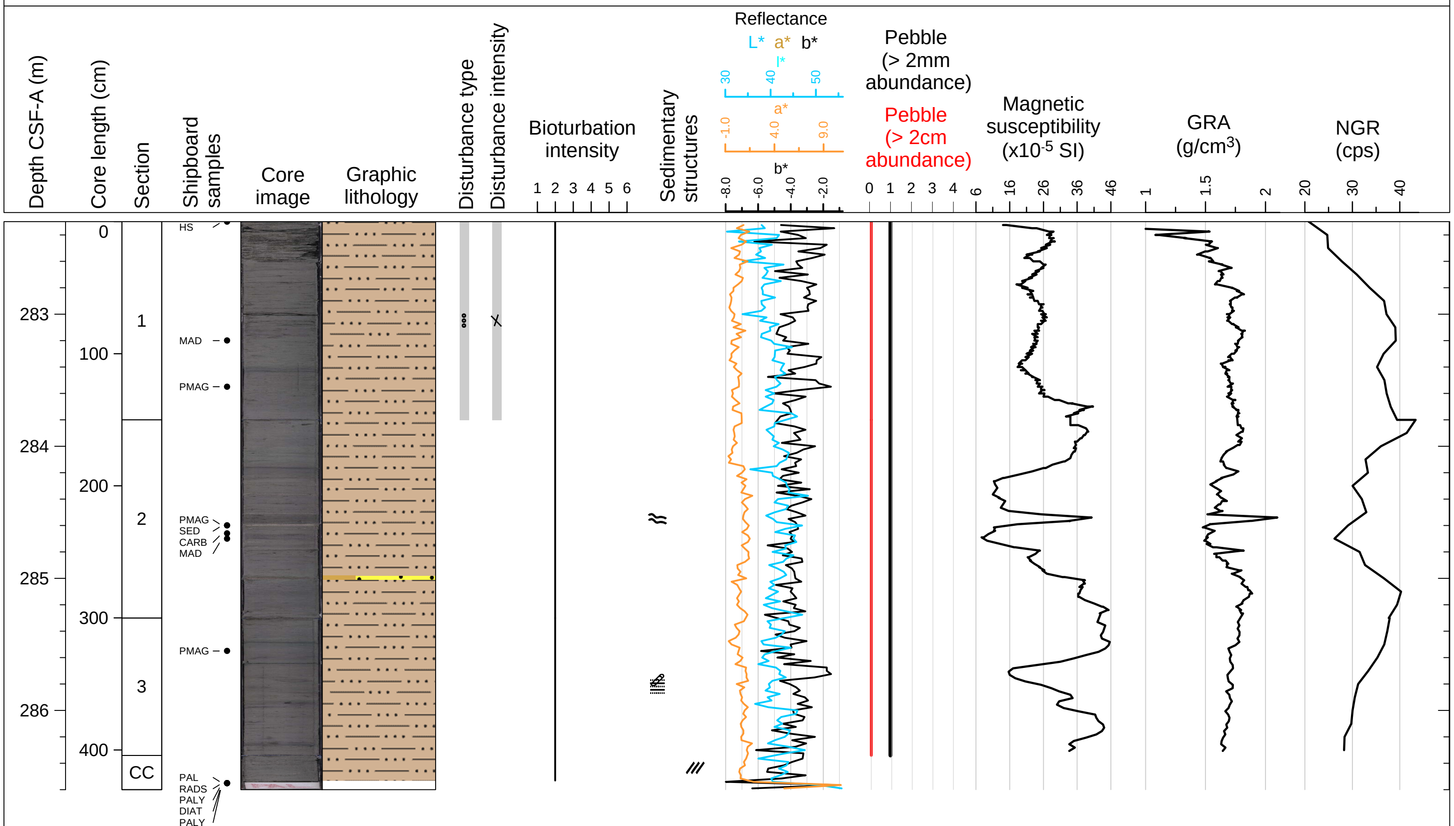
Hole 382-U1537D Core 35F, Interval 277.5-282.45 m (CSF-A)

dark greenish grey biosiliceous bearing silty clay, IRD identified via VCD and X-radiographs



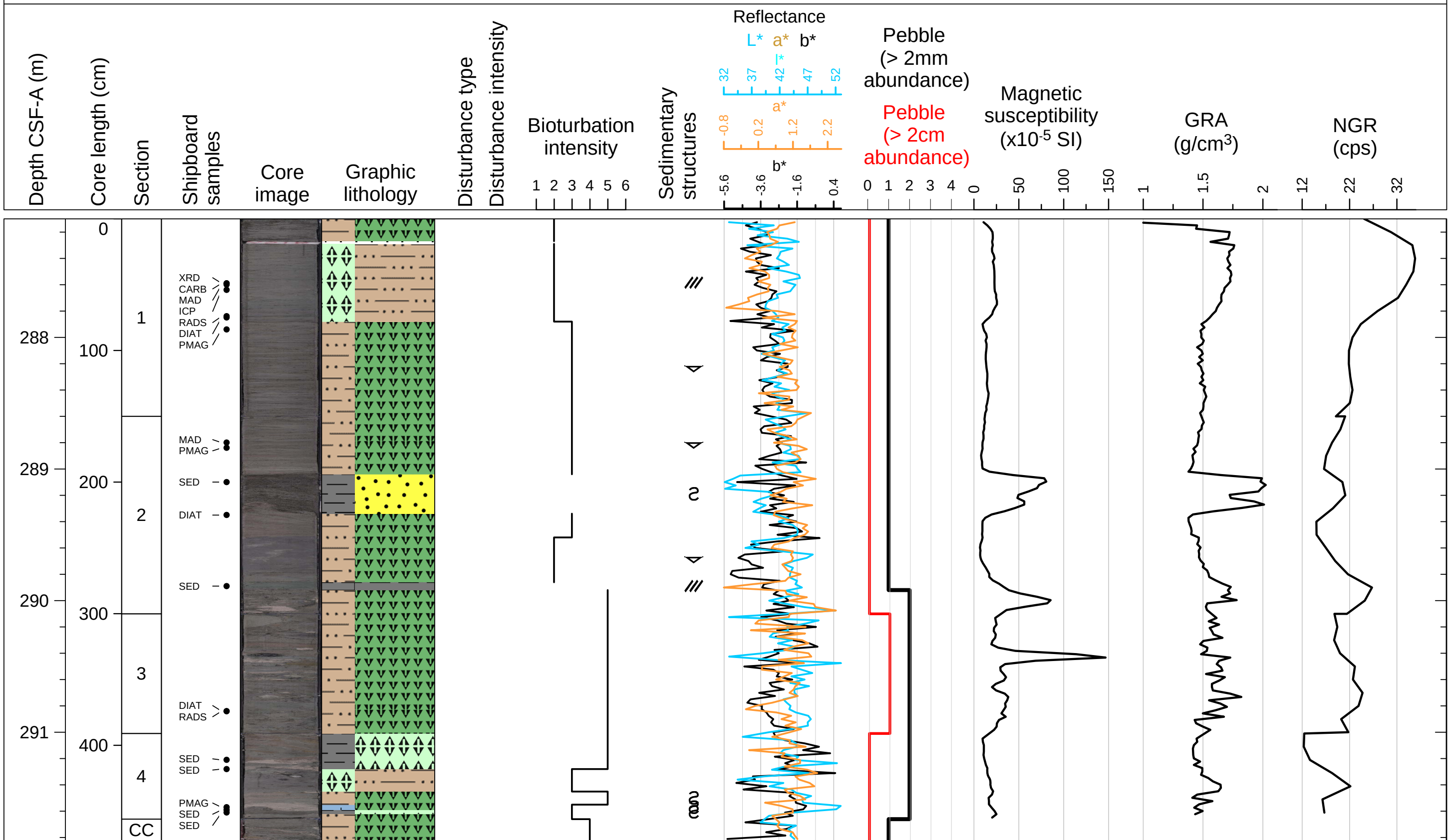
Hole 382-U1537D Core 36F, Interval 282.3-286.6 m (CSF-A)

color banded to laminated dark greenish grey silty clay, sand layer (turbidite) in 2A 118-121 cm



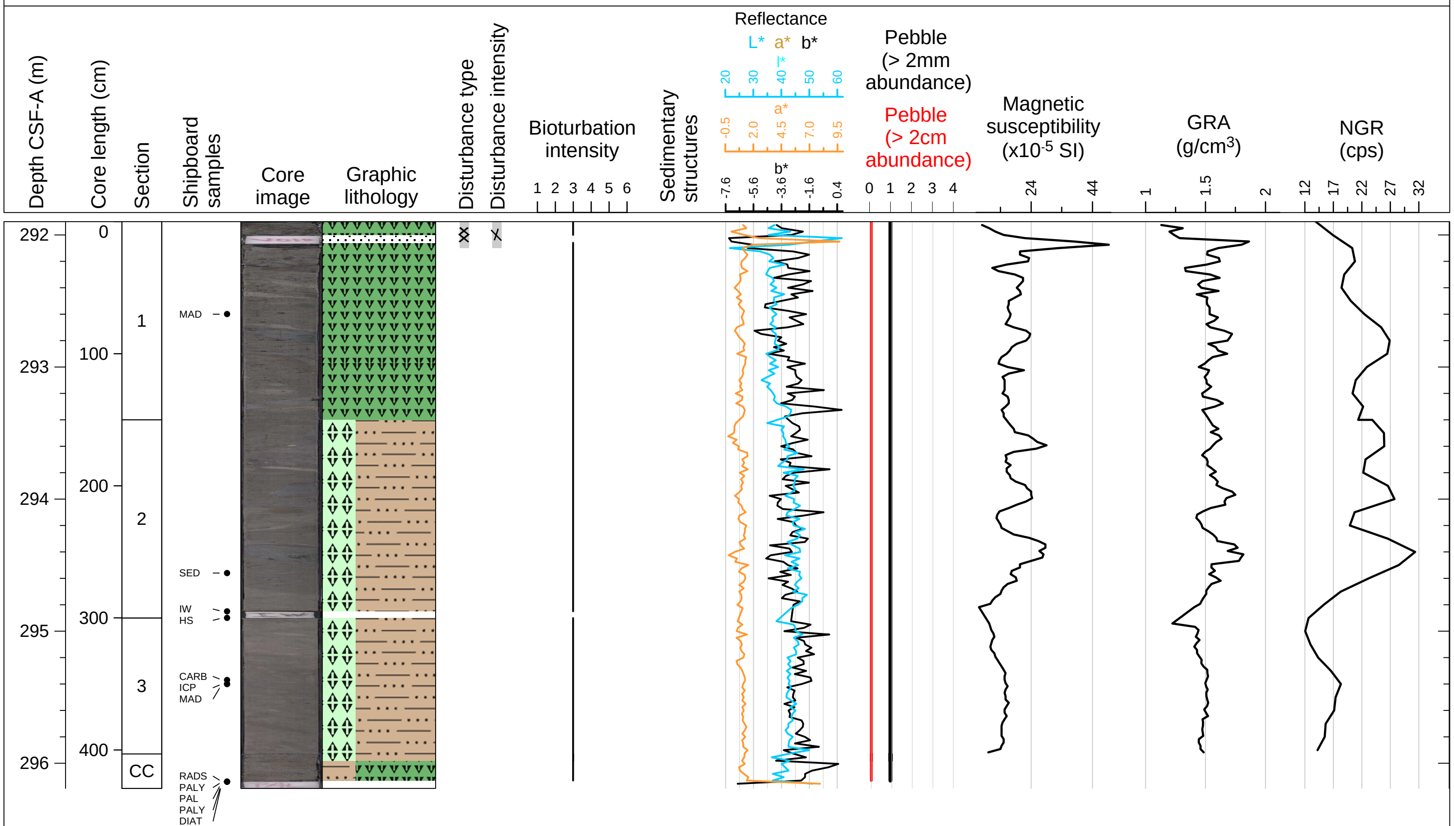
Hole 382-U1537D Core 37F, Interval 287.1-291.83 m (CSF-A)

interbedded greenish grey silty clay and diatom ooze, turbidite sand layers in 2A 44-74 cm. 3A/4A heavily bioturbated slump



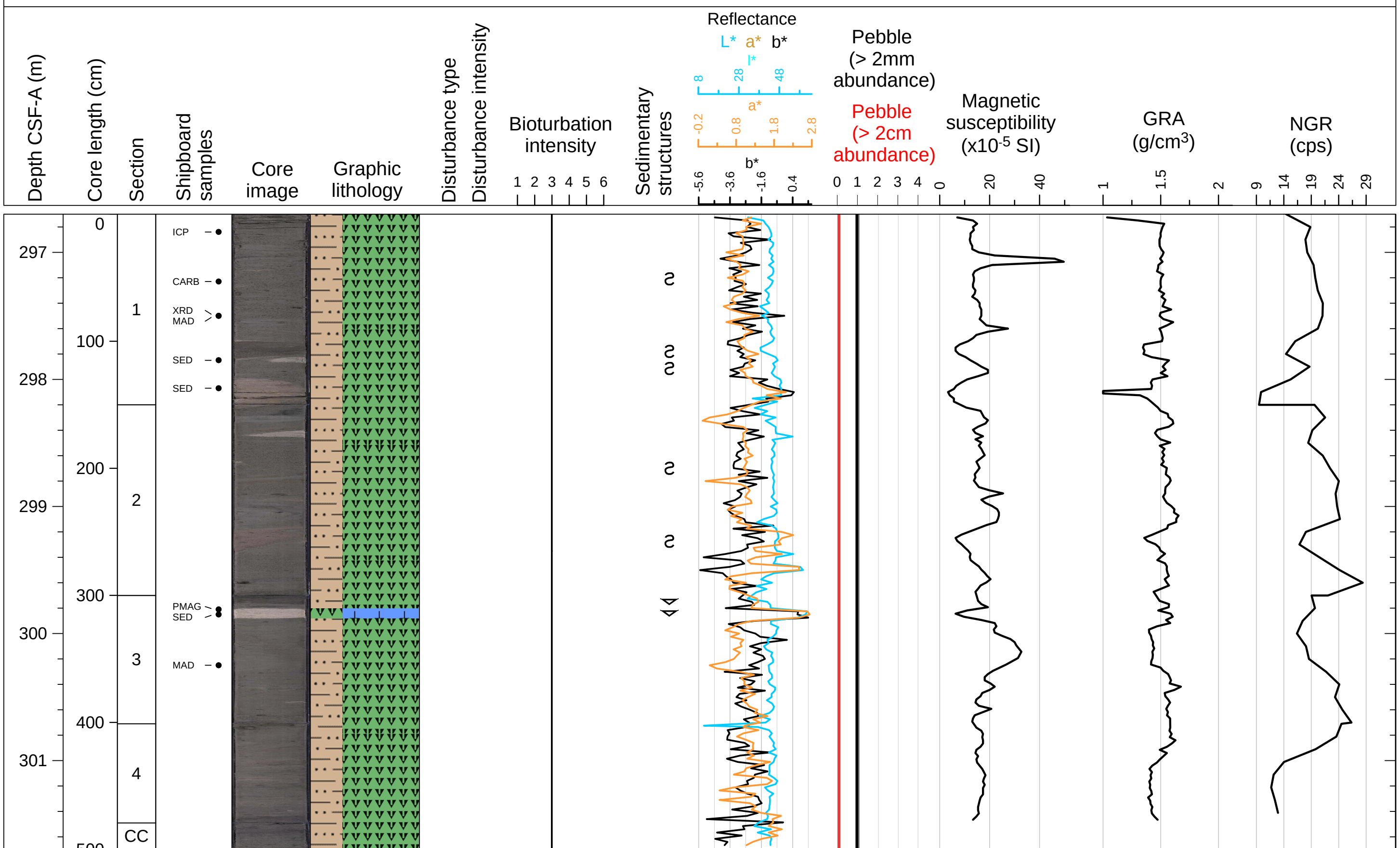
Hole 382-U1537D Core 38F, Interval 291.9-296.19 m (CSF-A)

dark greenish grey diatom ooze, slumped



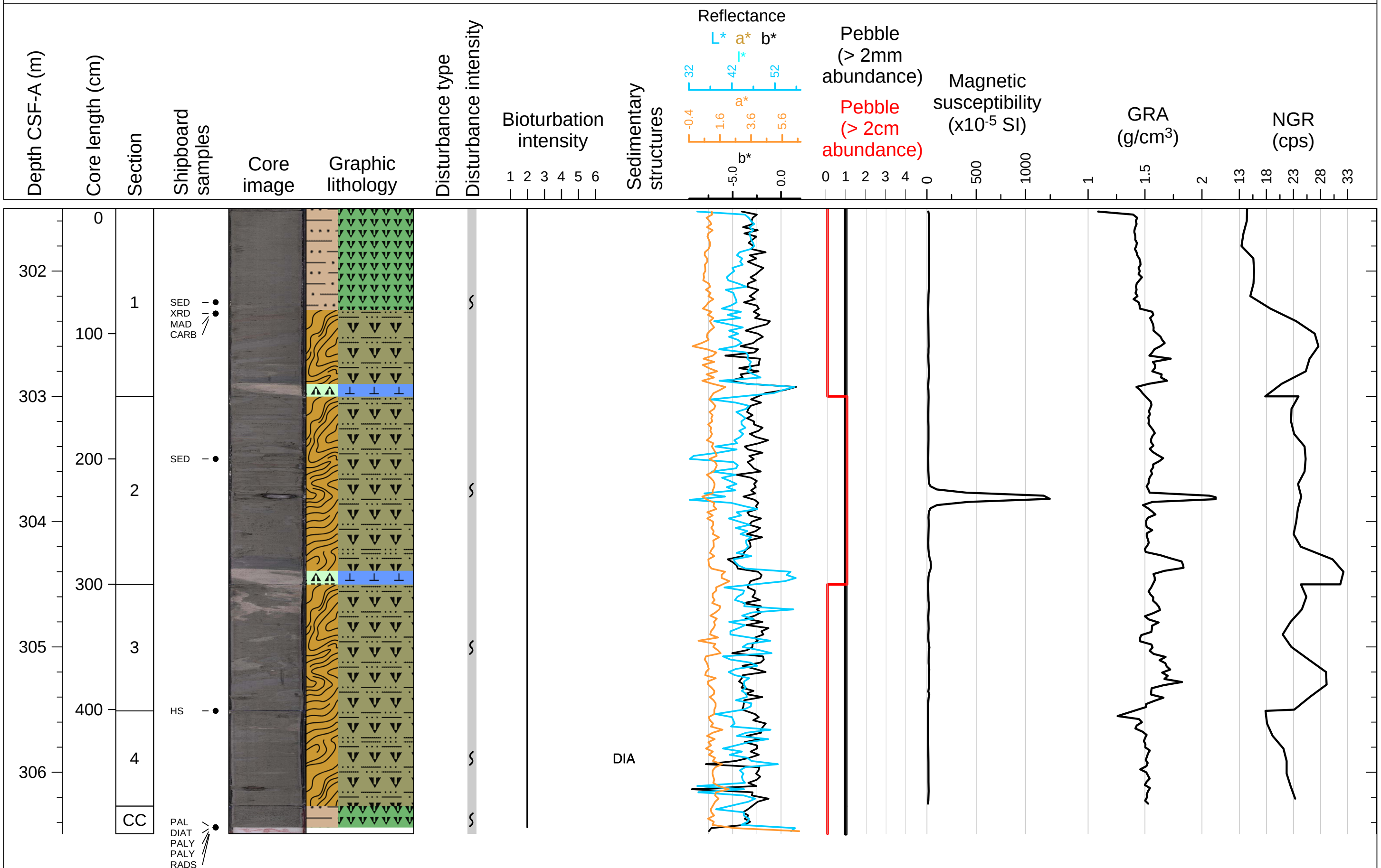
Hole 382-U1537D Core 39F, Interval 296.7-301.7 m (CSF-A)

dark greenish grey to greenish grey diatom ooze , slumped



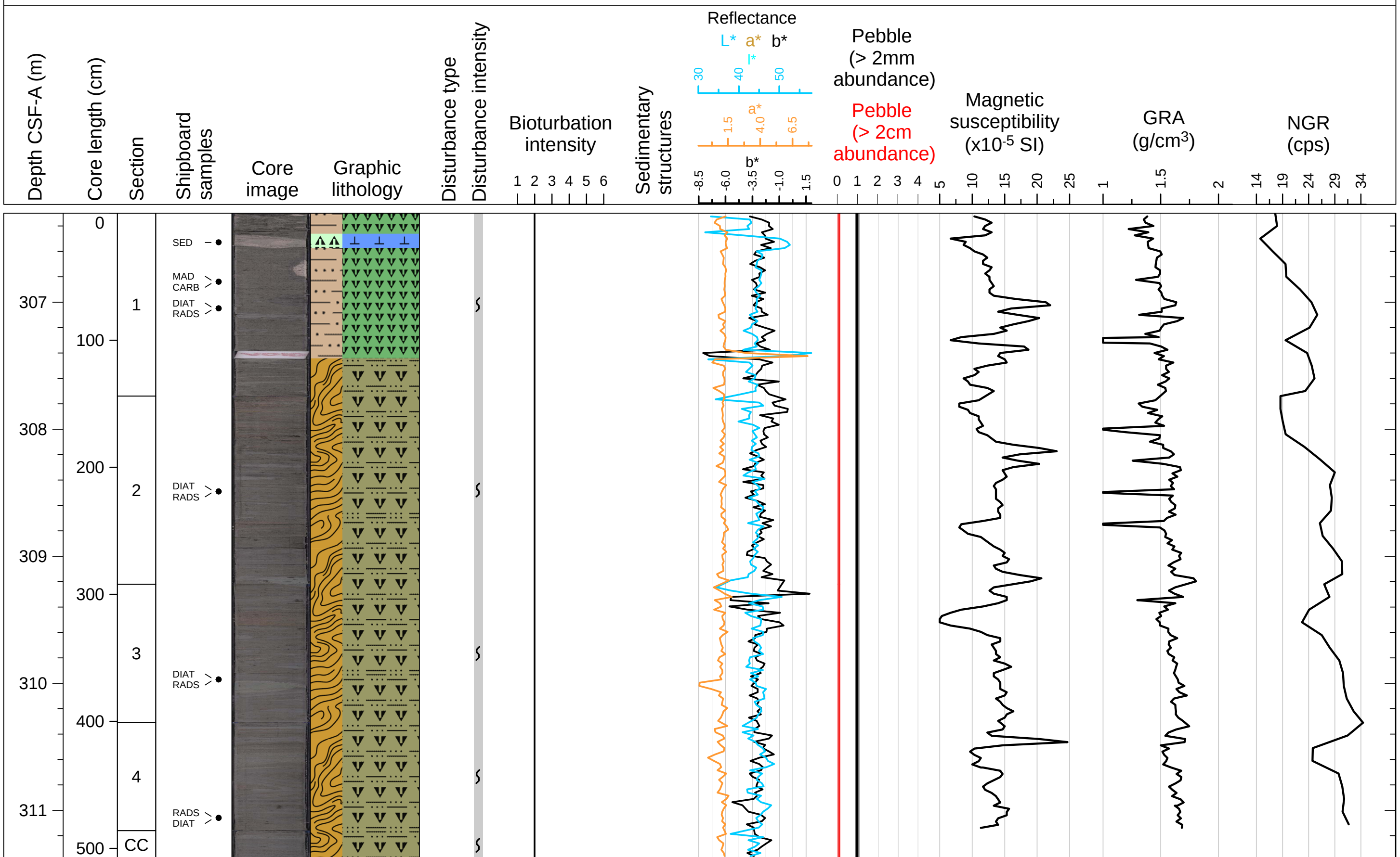
Hole 382-U1537D Core 40F, Interval 301.5-306.49 m (CSF-A)

Folded interbedded silty clay and diatom ooze and nannofossil ooze.



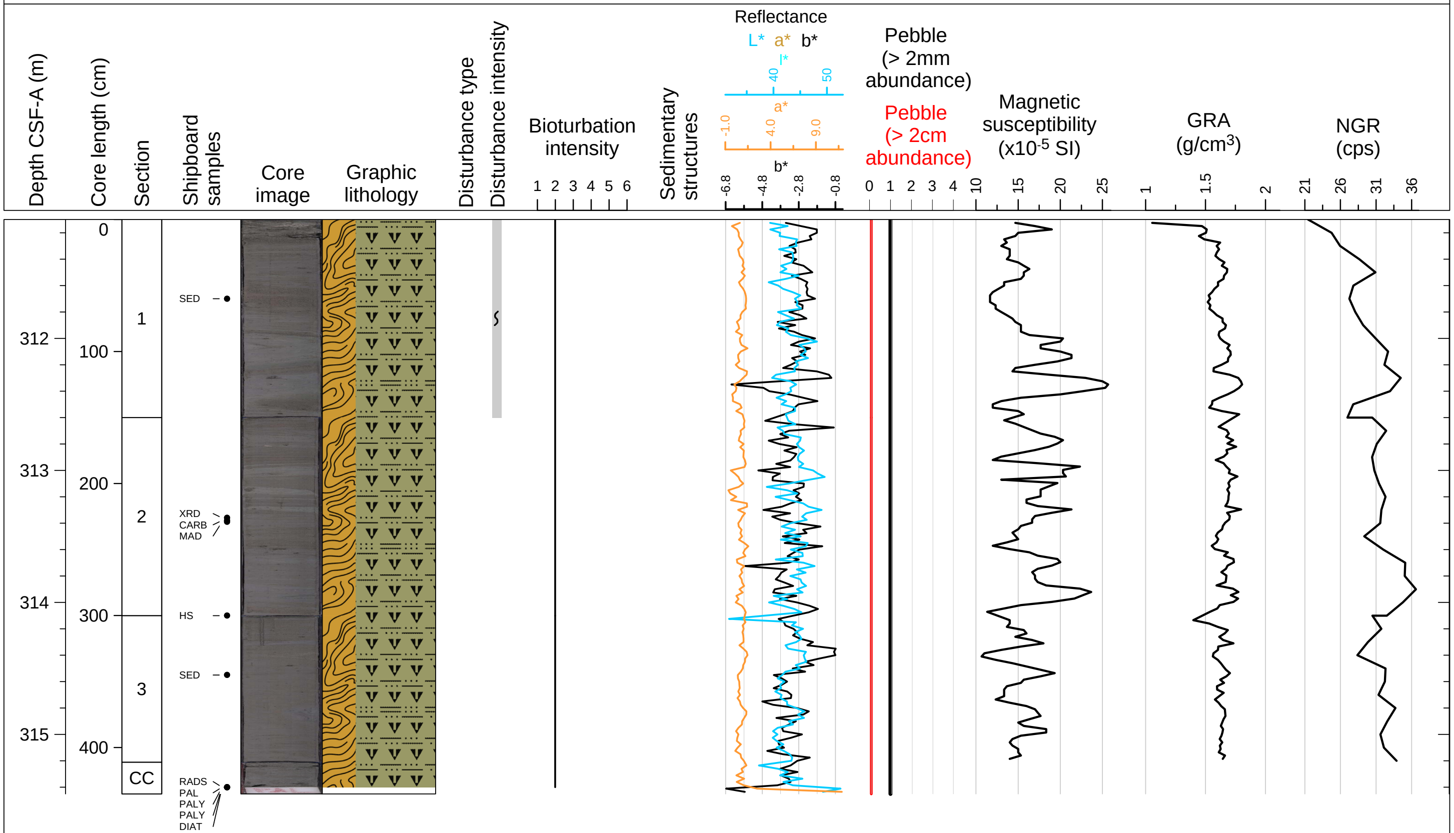
Hole 382-U1537D Core 41F, Interval 306.3-311.39 m (CSF-A)

Folded interbedded silty clay and diatom ooze and nannofossil ooze.



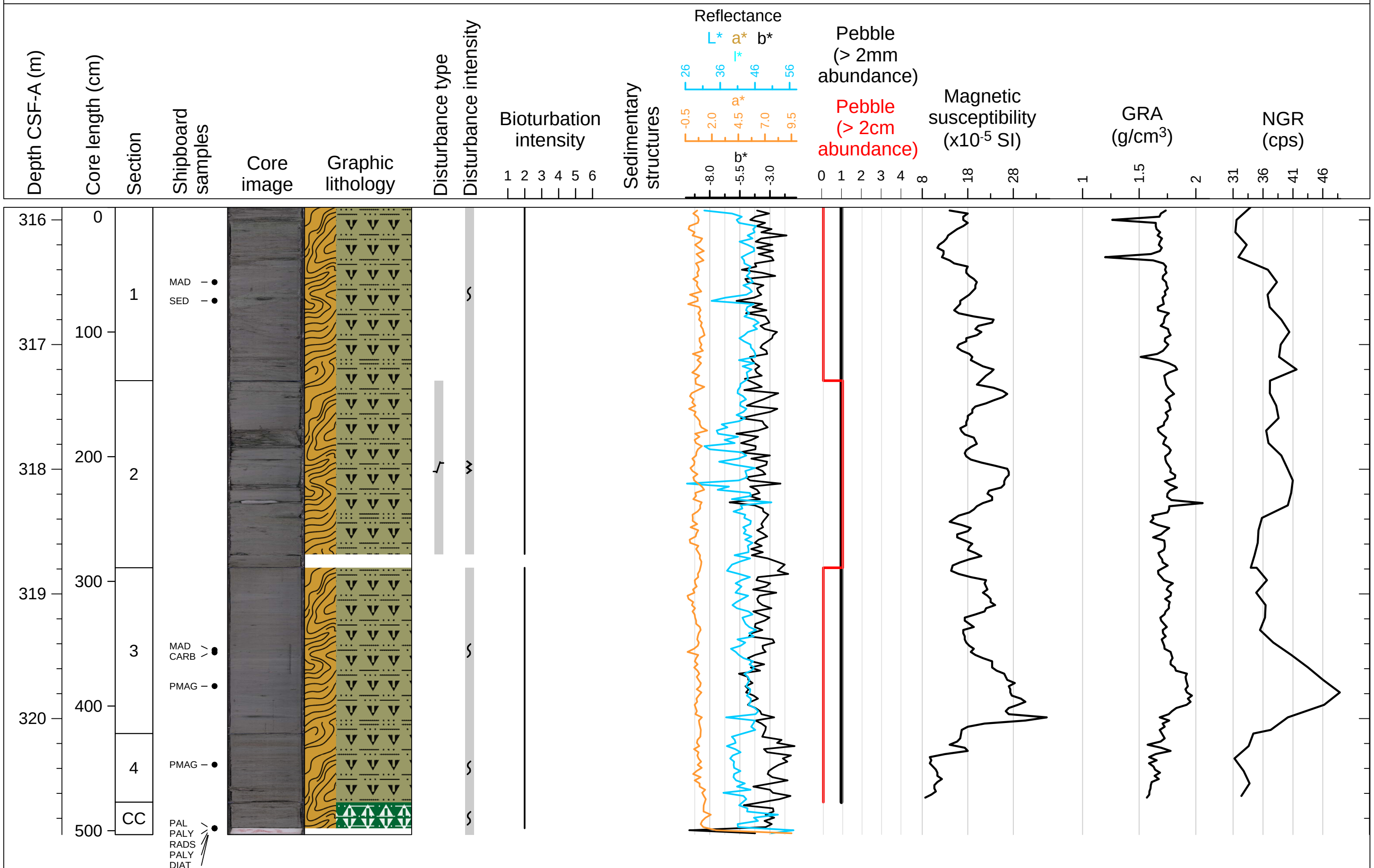
Hole 382-U1537D Core 42F, Interval 311.1-315.45 m (CSF-A)

Folded interbedded silty clay and diatom ooze.



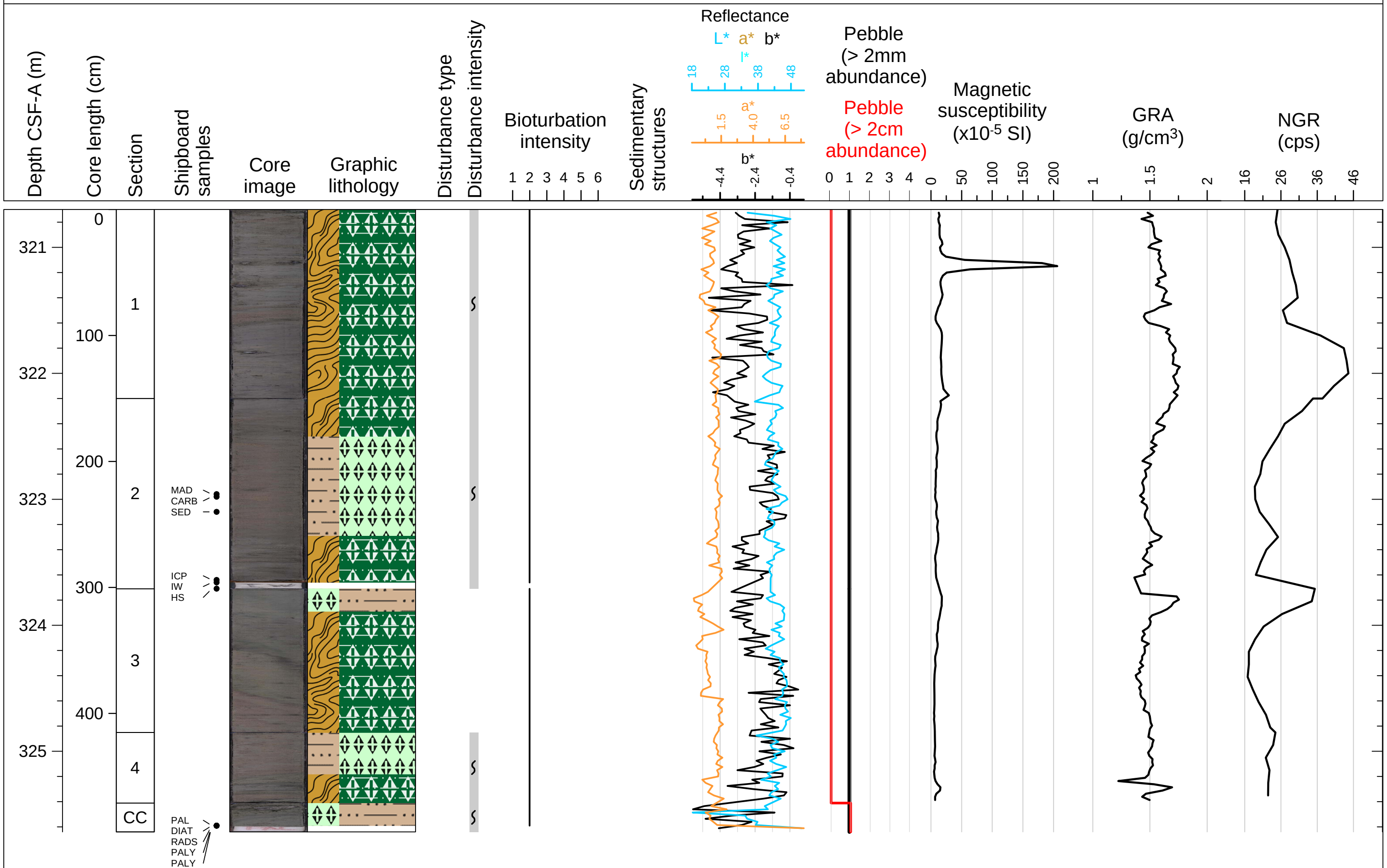
Hole 382-U1537D Core 43F, Interval 315.9-320.93 m (CSF-A)

Folded interbedded silty clay and diatom ooze.



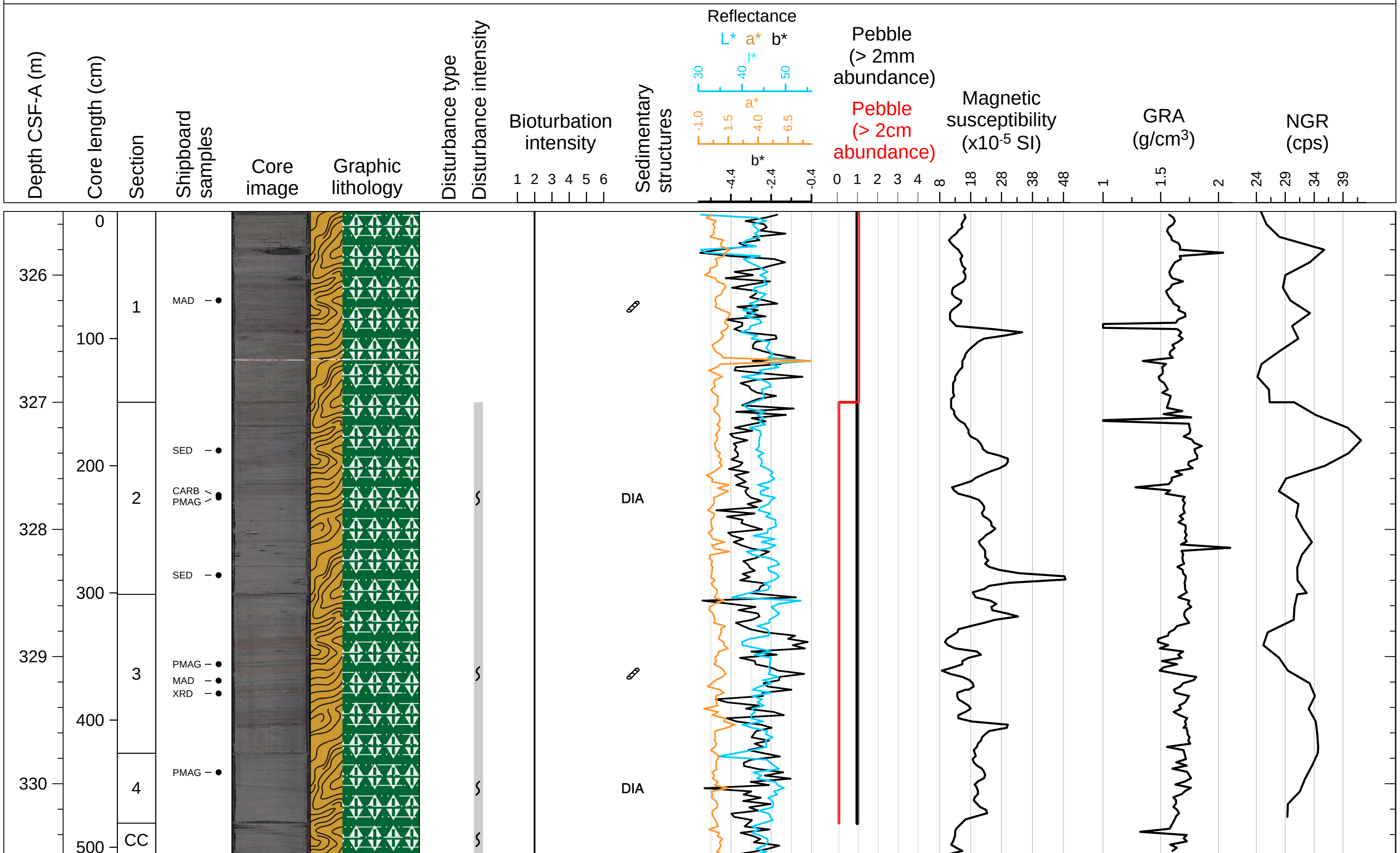
Hole 382-U1537D Core 44F, Interval 320.7-325.64 m (CSF-A)

Folded interbedded silty clay and biosiliceous ooze.



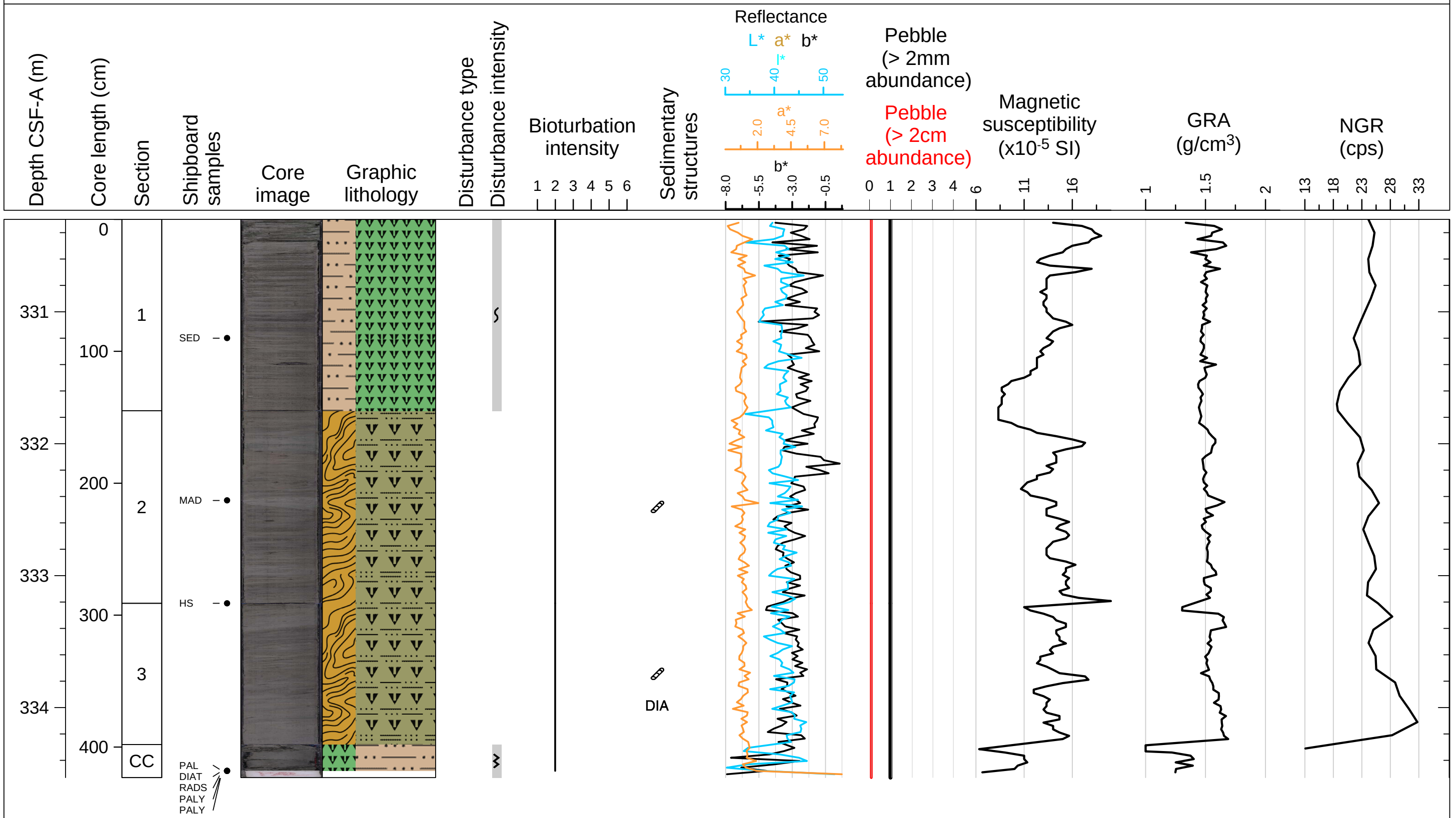
Hole 382-U1537D Core 45F, Interval 325.5-330.57 m (CSF-A)

folded interbedded silty clay and biosiliceous ooze



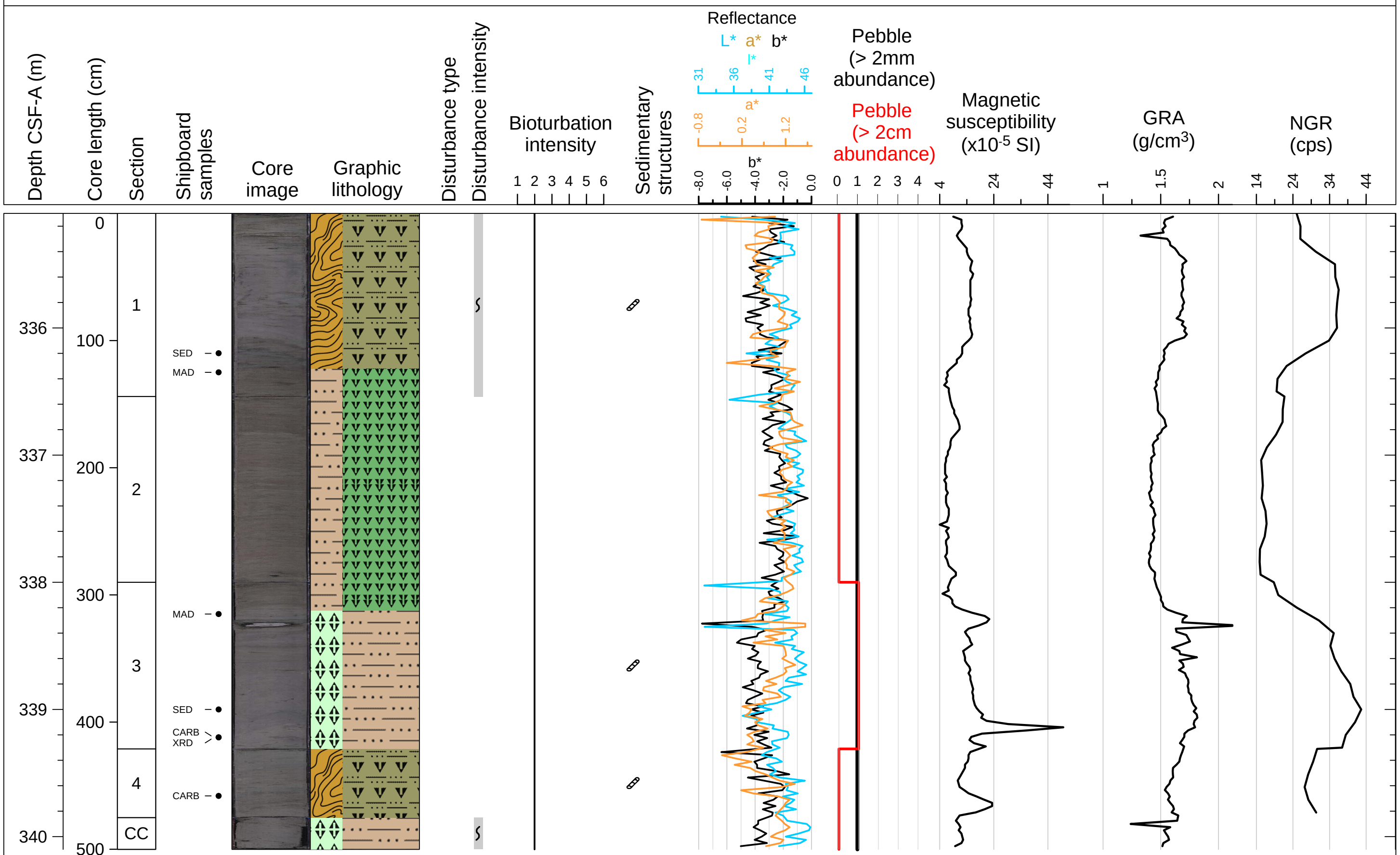
Hole 382-U1537D Core 46F, Interval 330.3-334.53 m (CSF-A)

Folded interbedded silty clay and biosiliceous ooze.



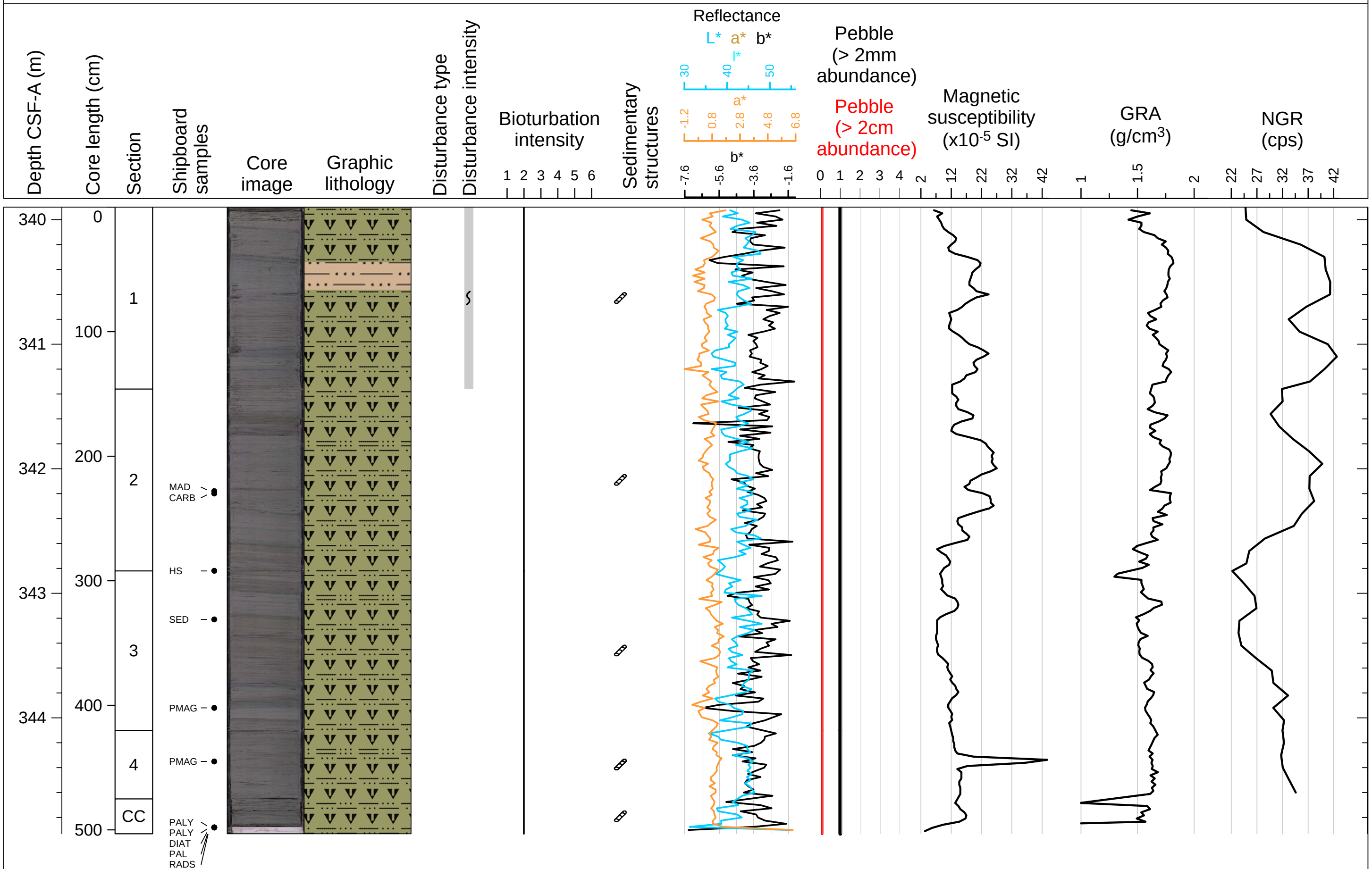
Hole 382-U1537D Core 47F, Interval 335.1-340.1 m (CSF-A)

Folded interbedded silty clay and diatom ooze. drop stone with garnets in Section 3A.



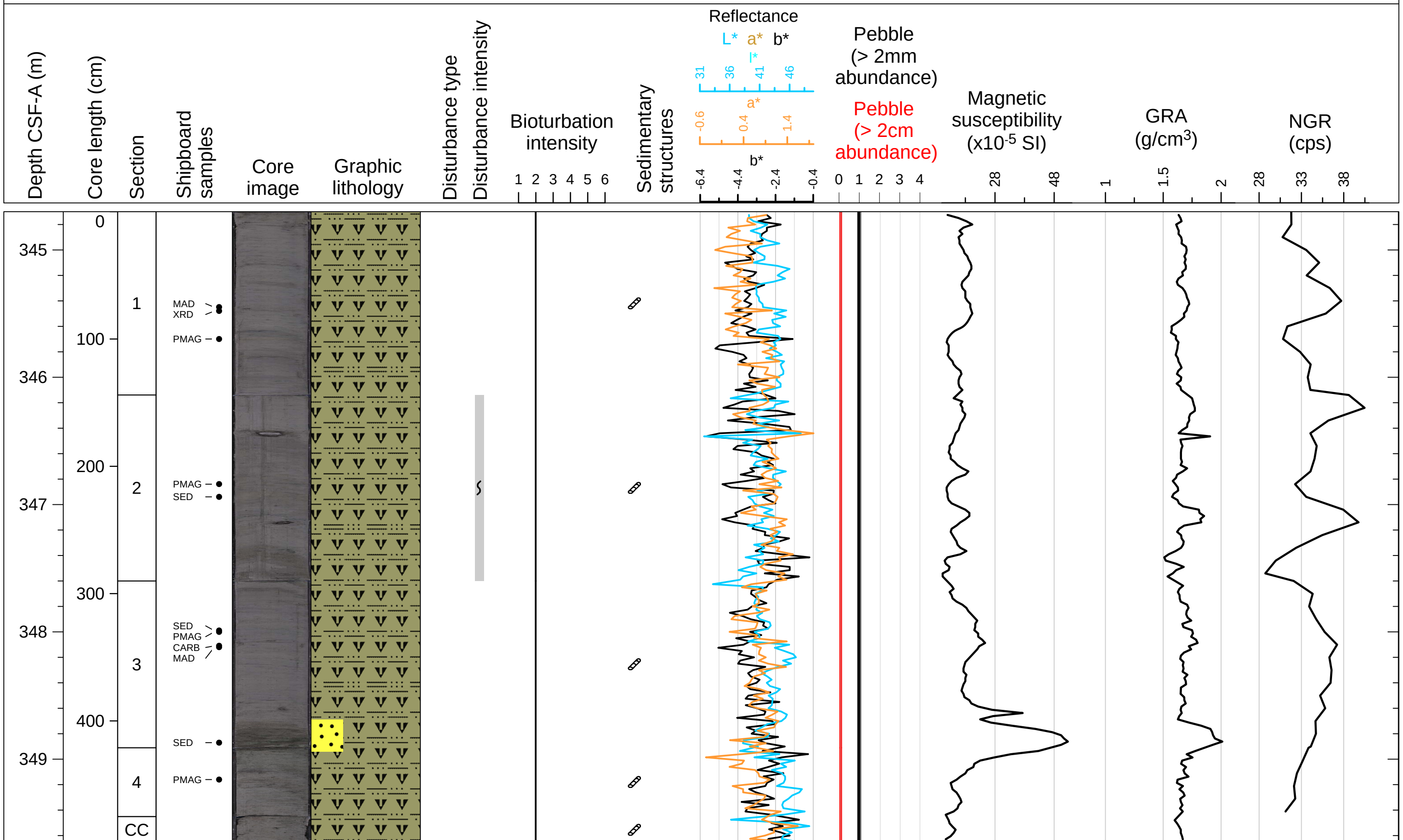
Hole 382-U1537D Core 48F, Interval 339.9-344.93 m (CSF-A)

Dominant silty clay. Interbedded silty clay and diatom ooze.



Hole 382-U1537D Core 49F, Interval 344.7-349.66 m (CSF-A)

Dominant silty clay. Interbedded silty clay and diatom ooze. Section 3A (103-131cm) and 4A(0-3cm) contains an interbedded sand and silty clay.



Hole 382-U1537D Core 50F, Interval 349.5-354.39 m (CSF-A)

dominant biosiliceous rich silty clay.