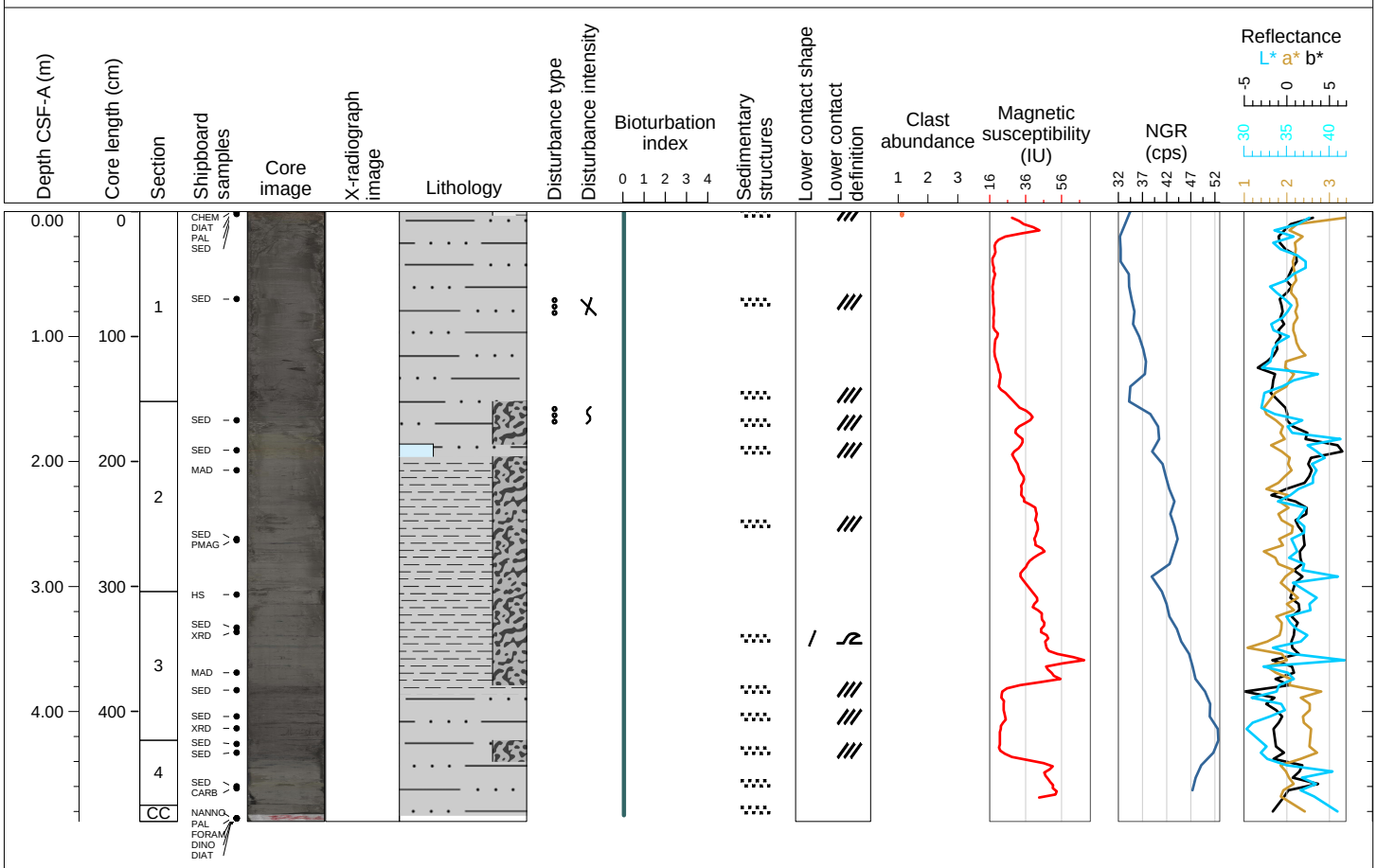
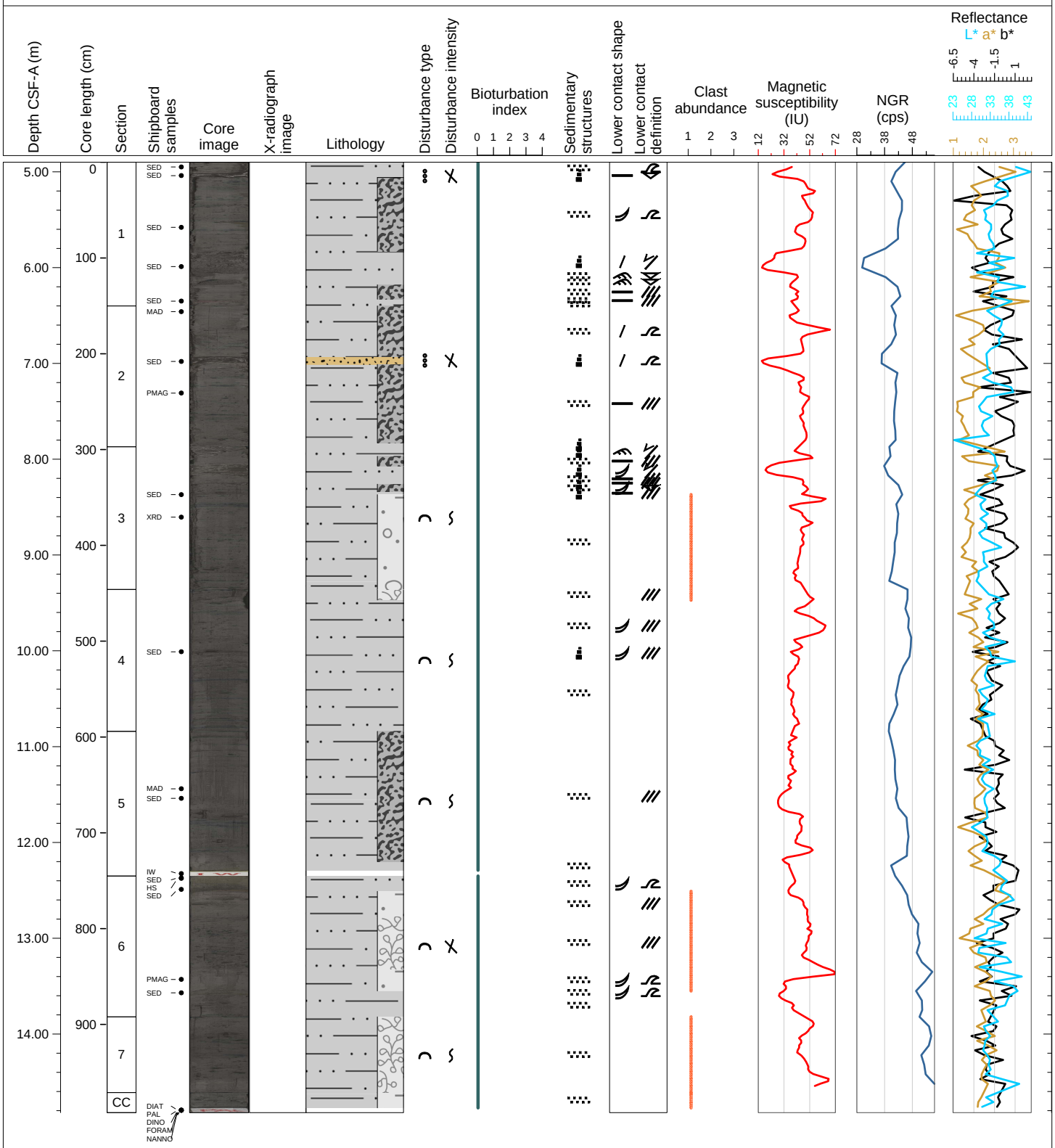
Hole 403-U1618A Core 1H, Interval 0.0-4.88 m (CSF-A)

Dominantly mud with alternating clay, silt, and silty clay with occasional sandy intervals (1-5cm) and bioturbation ranges from not apparent to slight. Top of lithostratigraphic unit has dispersed clasts and dark patches are seen throughout the full unit.



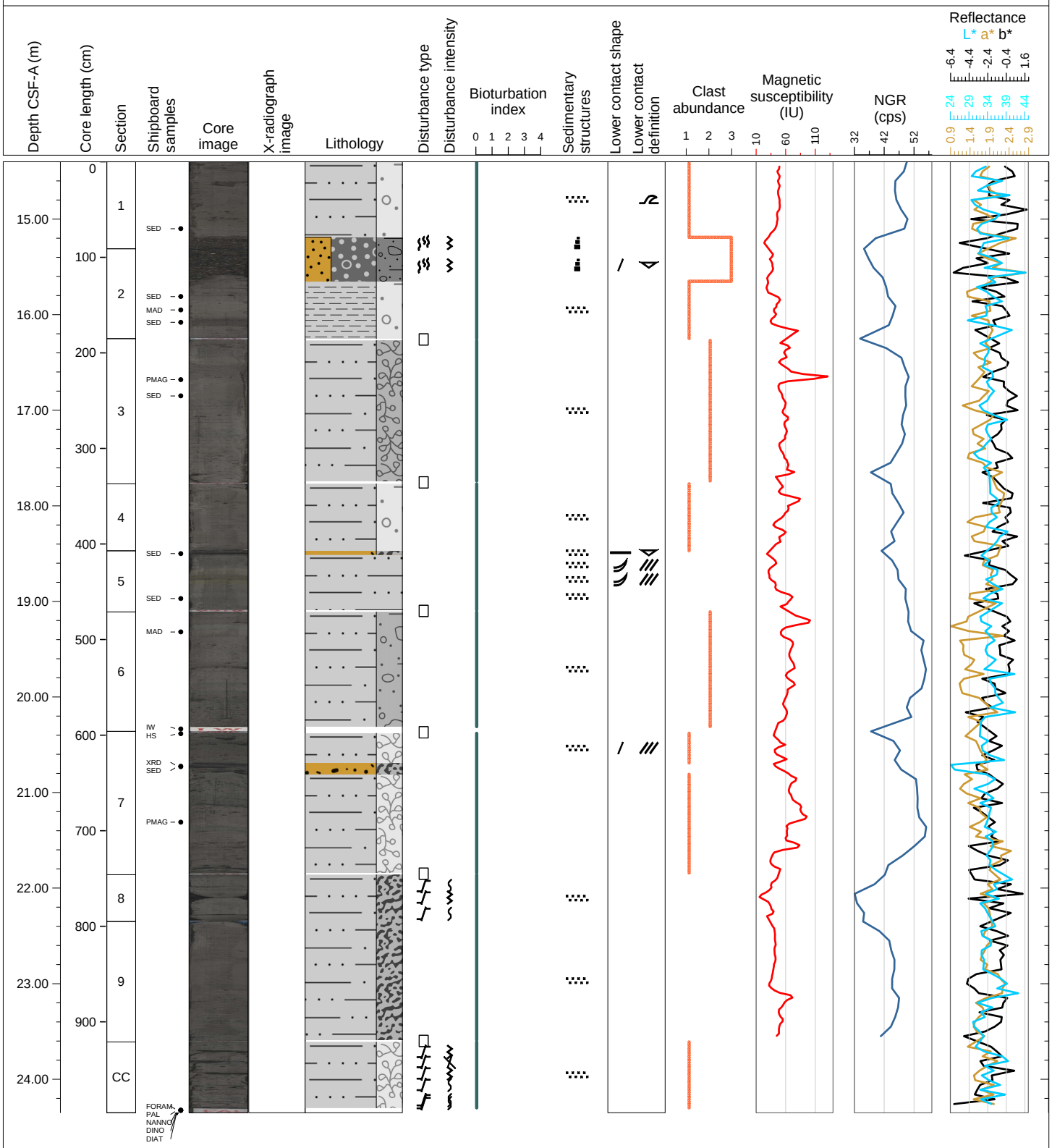
Hole 403-U1618A Core 2H, Interval 4.9-14.82 m (CSF-A)

Dominantly mud with some sandy silt intervals and rare to absent bioturbation. Dark patches are seen thoroughout and dispersed clasts (<1%) are only apparent at bottom of core. Drilling distrubances include slight to moderate uparching from mid-core (7.8m) to the bottom.



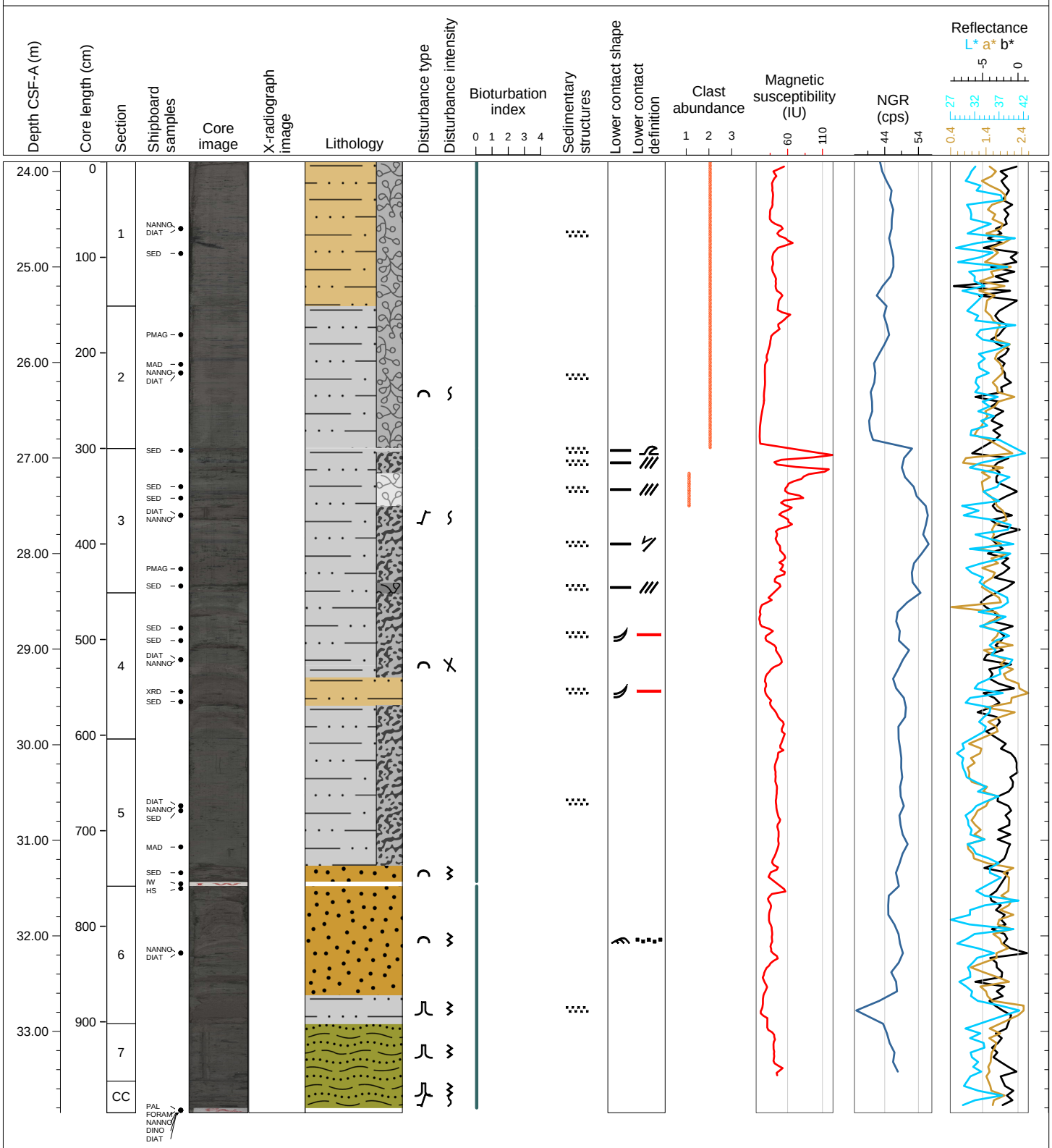
Hole 403-U1618A Core 3H, Interval 14.4-24.35 m (CSF-A)

Dominantly silty clay with dark patches and common clasts and a normally graded gravel interval from 15.19-15.65m. No obvious bioturbation. Drilling disturbance is evidenced by fractured intervals, voids from gas expansion, strongly disturbed at top of core within the gravel interval, slightly to strongly disturbed from 21.98-24.25m.



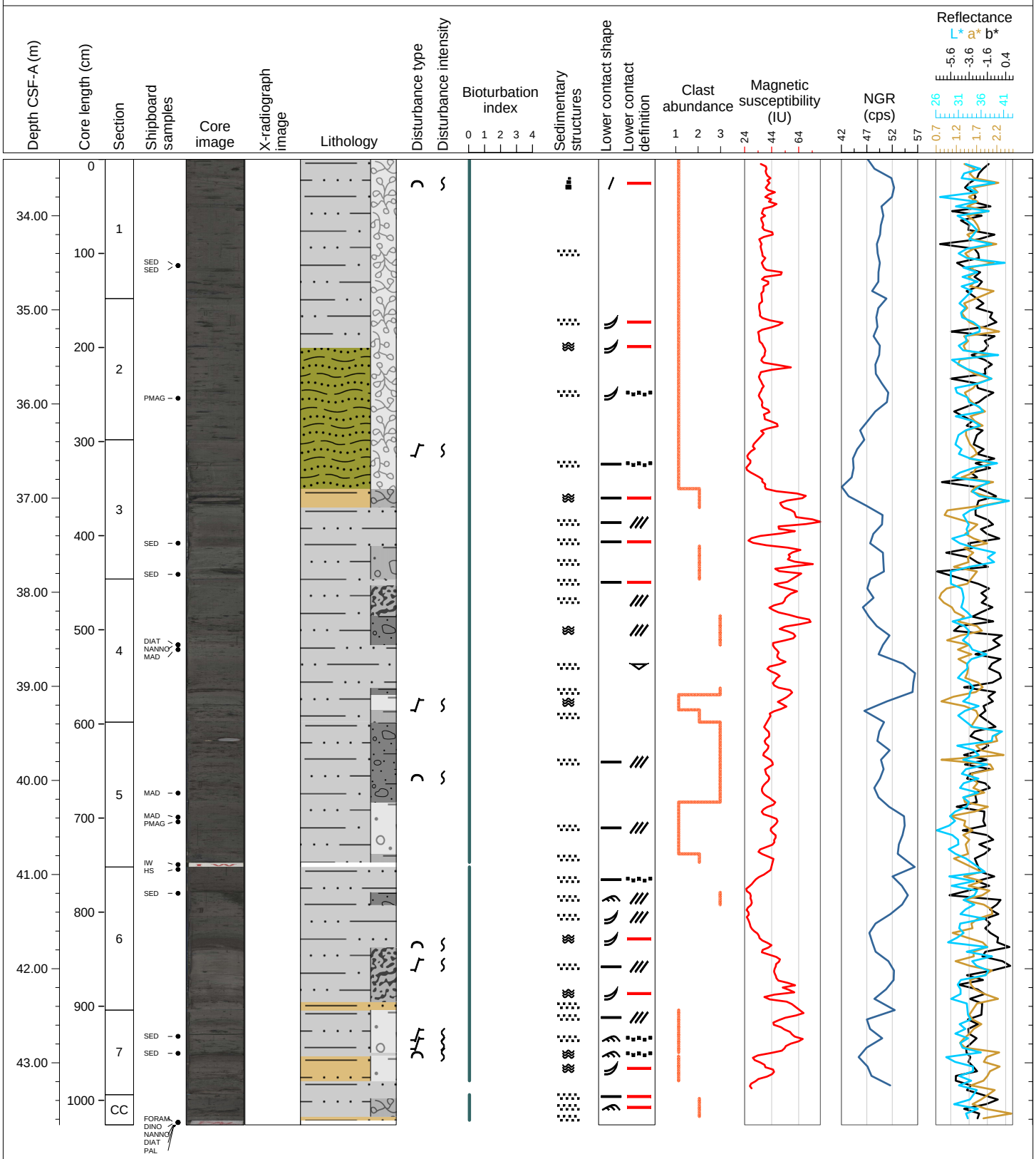
Hole 403-U1618A Core 4H, Interval 23.9-33.85 m (CSF-A)

Mostly structureless dark greyish silty clay to clayey silt with dark patches and dispersed to common clasts. Lower part sand or sandy clay. Bioturbation not apparent to slight. Slight to moderate up-arching in the upper part, lower part with strongly disturbed intervals (up-arching and flow in).



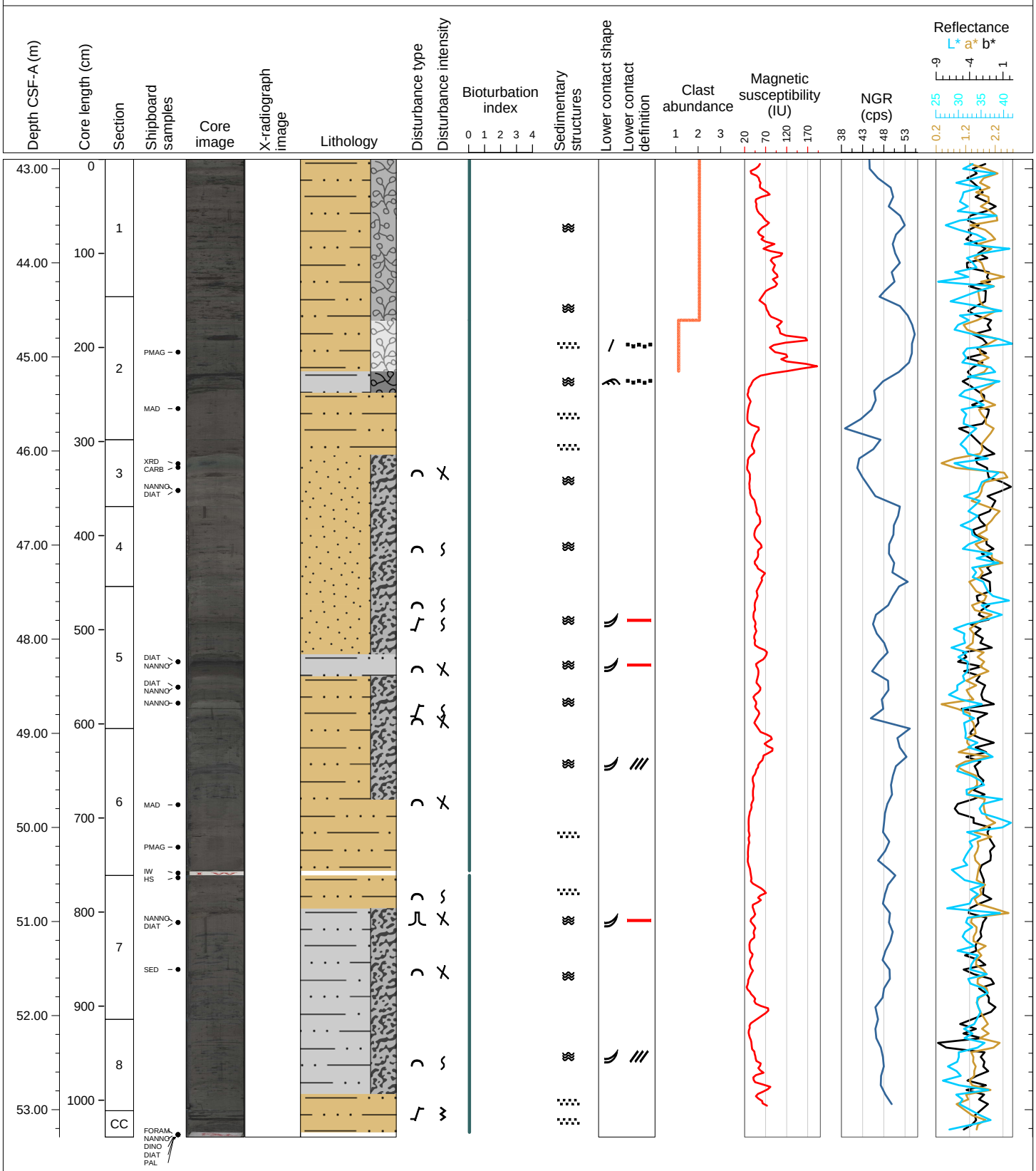
Hole 403-U1618A Core 5H, Interval 33.4-43.66 m (CSF-A)

Upper part consists of structureless dark greyish silty to sandy clay with dark patches and dispersed clasts. Lower part intercalated structureless silty clay without and structureless silty clay with dispersed to common clasts. Bioturbation not apparent to slight. Some intervals slightly disturbed by up-arching or fracturing.



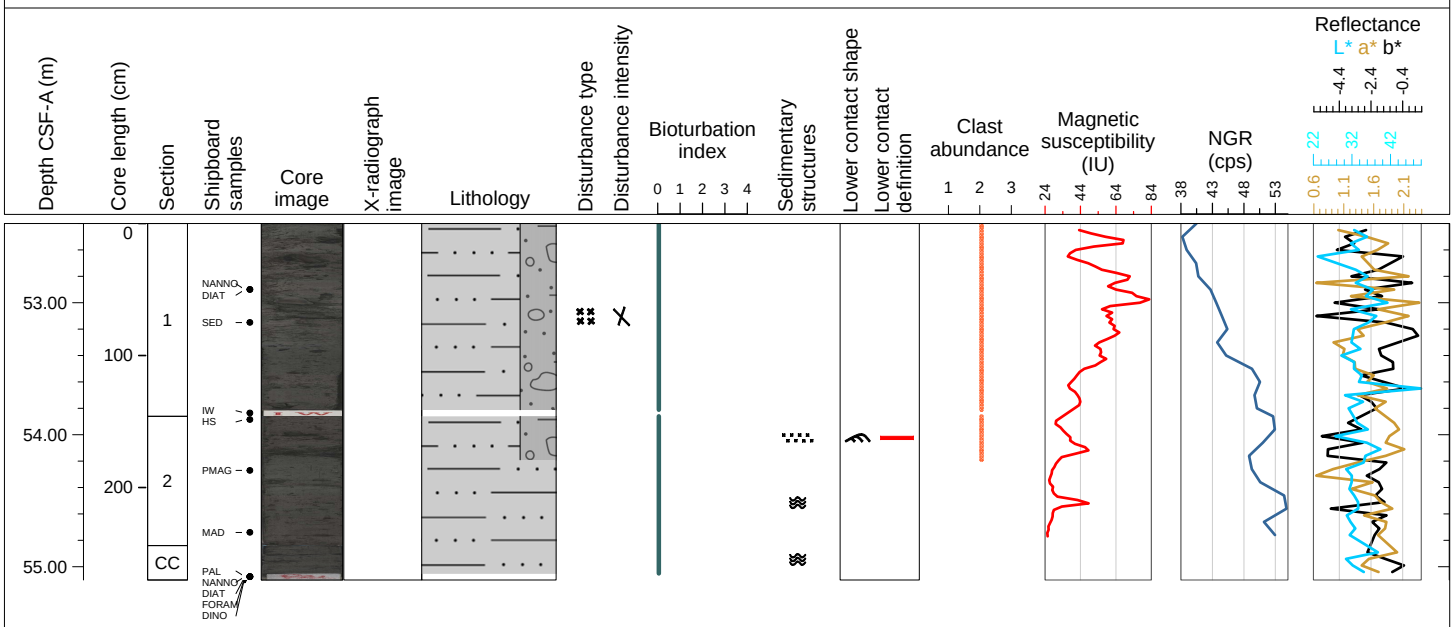
Hole 403-U1618A Core 6H, Interval 42.9-53.29 m (CSF-A)

Mostly dark grey structureless silty clay with dark patches and structureless clayey silt. Upper part contains common clasts and organic concretions. Bioturbation not apparent to slight. Mostly slightly to moderately disturbed by up-arching, some fractures and flow-in.



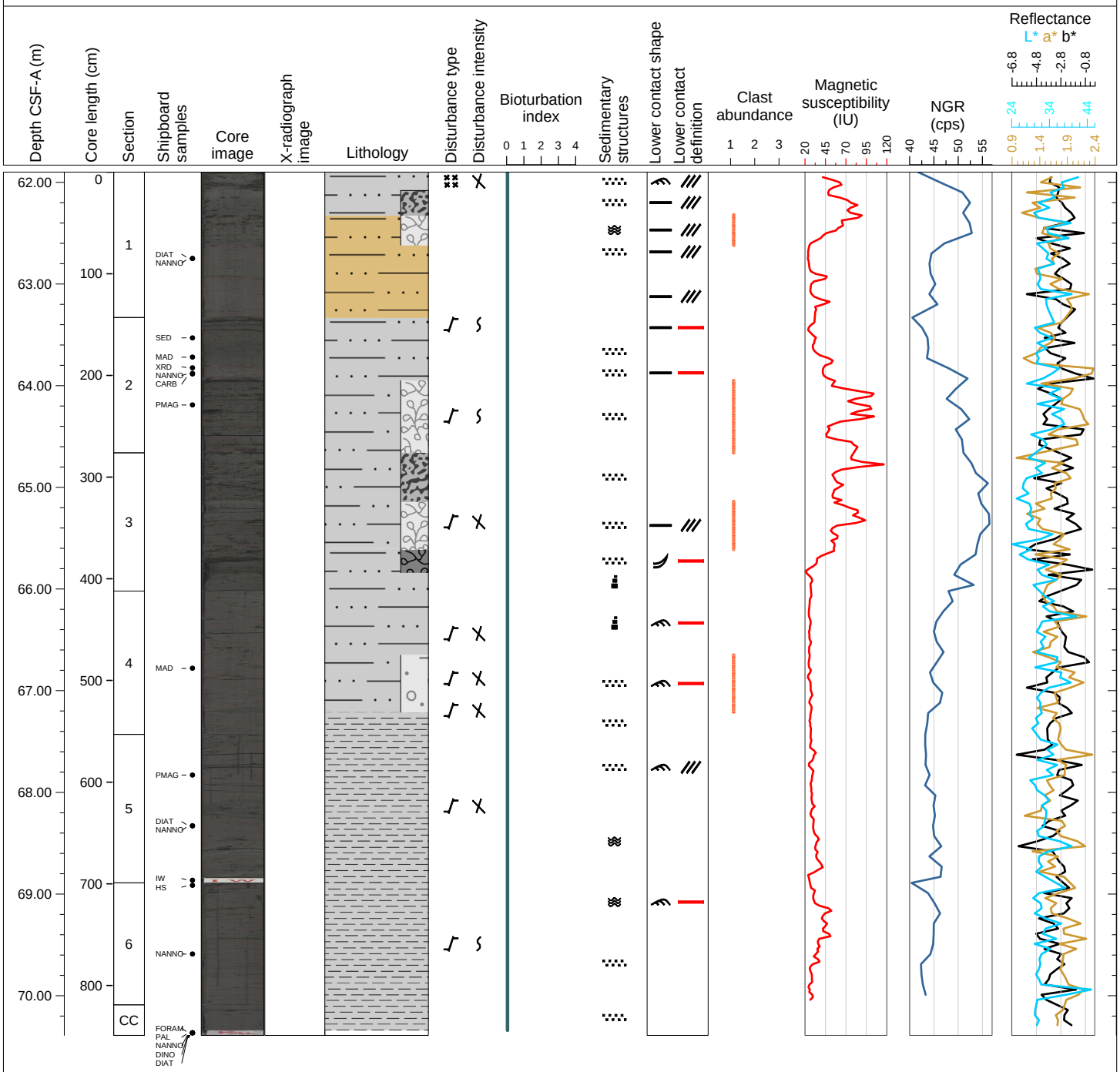
Hole 403-U1618A Core 7H, Interval 52.4-55.1 m (CSF-A)

Greenish-greyish structureless silty clay, upper part with common clasts. Clasts may be related to gas-hydrates. Upper part of the core disturbed, probably to dissociation of gas hydrates. Lower part less disturbed. Bioturbation not apparent to slight. Uppermost section with moderate along-core contamination.



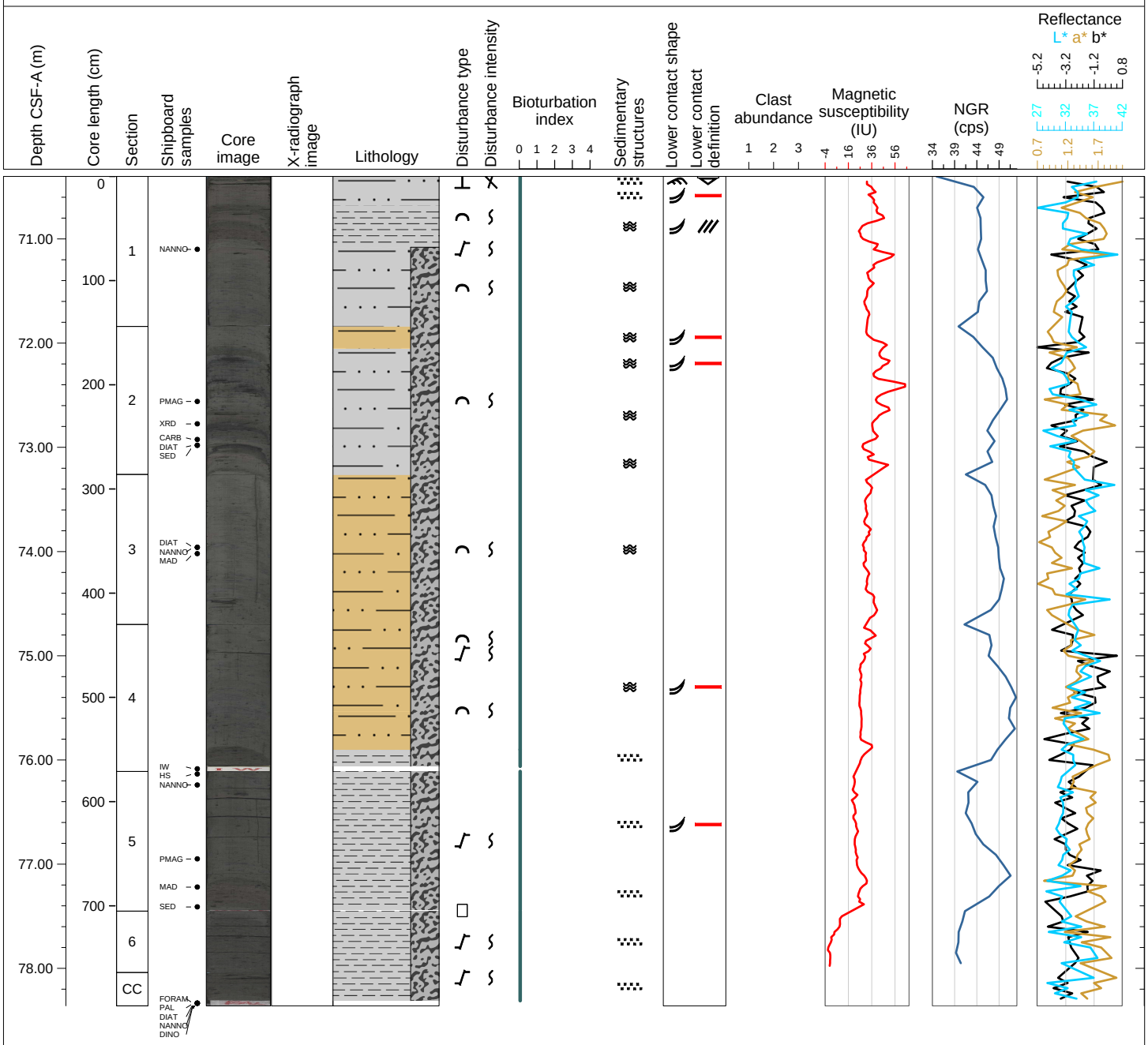
Hole 403-U1618A Core 8H, Interval 61.9-70.39 m (CSF-A)

Dark greyish structureless silty clay to clayey silt in the upper half of the core, partly with dark patches and dispersed clasts. Lower part dark greyish structureless clay. Some intervals show wavy bedding. Bioturbation not apparent to slight. Uppermost 18 cm moderate along-core contamination. Slightly to moderately fractured throughout.



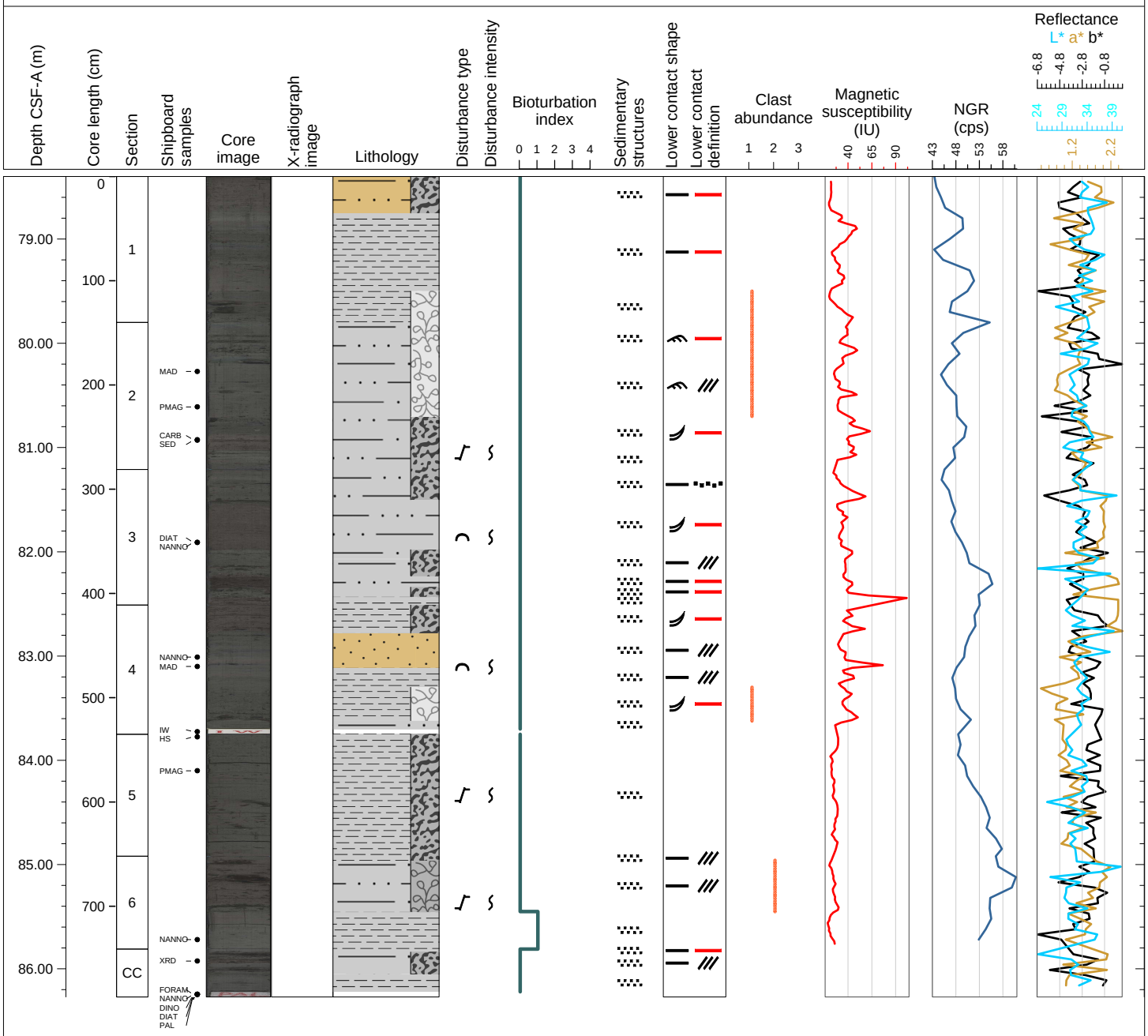
Hole 403-U1618A Core 9H, Interval 70.4-78.36 m (CSF-A)

Uppermost layer dark greyish structureless silty clay to clay. Lower part dark greyish clay to clayey silt with dark patches. Intervals with clayey silt show wavy bedding. Bioturbation not apparent to slight. Uppermost 9 cm fall-in; some intervals slightly disturbed by up-arching and fracturing.



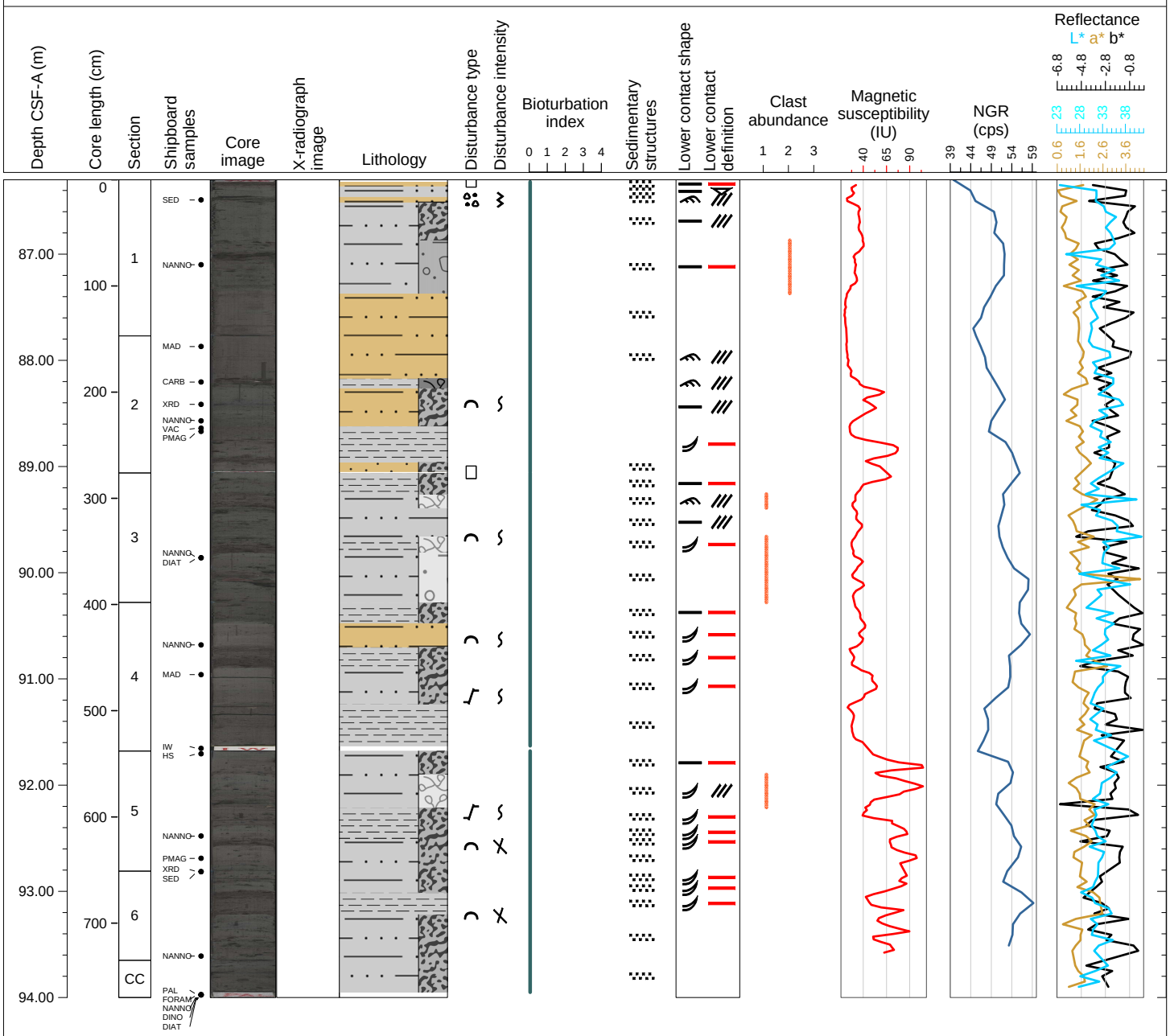
Hole 403-U1618A Core 10H, Interval 78.4-86.27 m (CSF-A)

Dark grey structureless clay to silt with dark patches. Some intervalswith dispersed or common clasts. Bioturbation not apparent to slight. Some intervals with slight up-arching or fracturing.



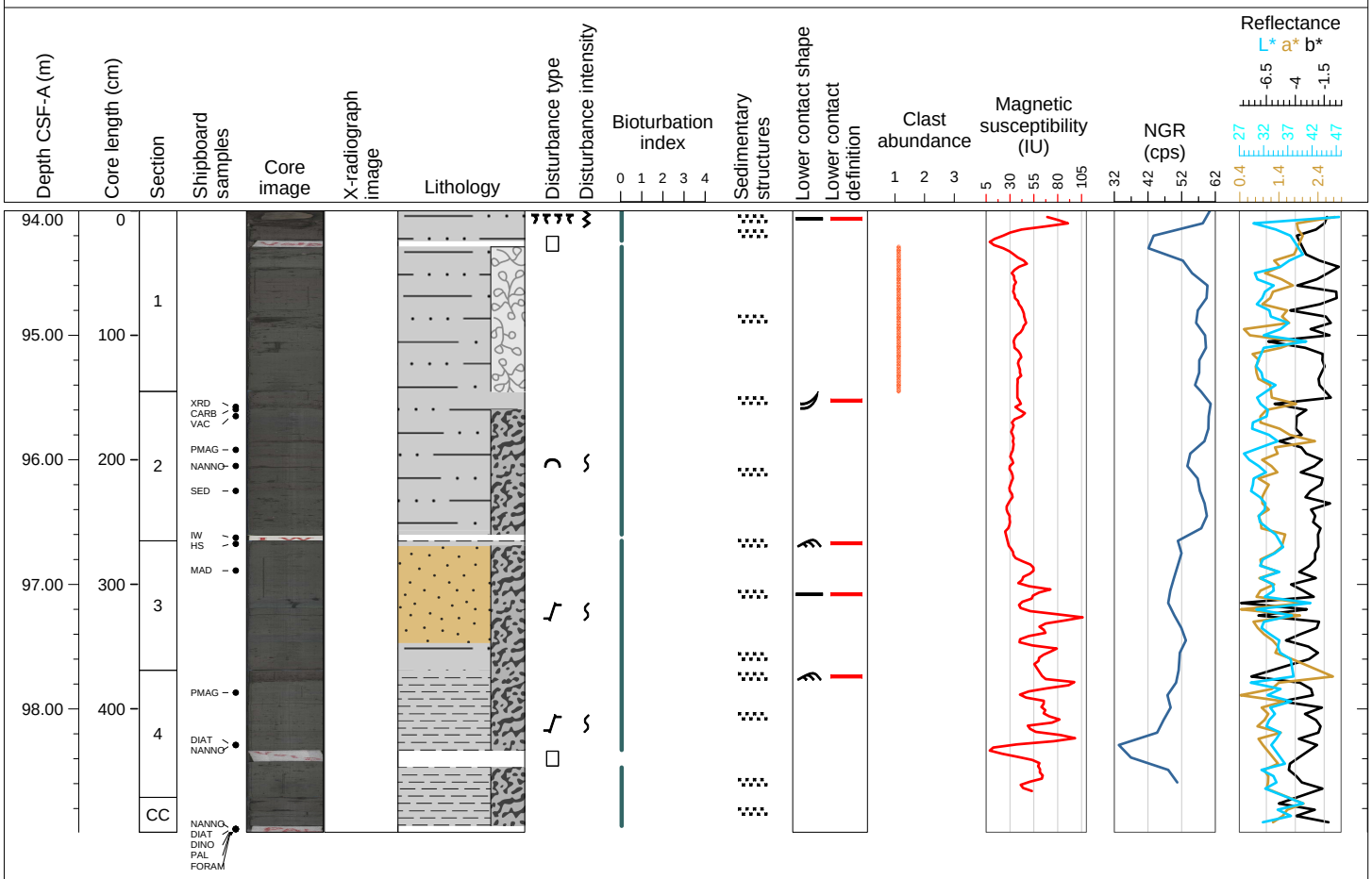
Hole 403-U1618A Core 11H, Interval 86.3-94.0 m (CSF-A)

Dark grey structureless clay to clayey silt with dark patches. Some intervals with dispersed clasts. Bioturbation not apparent to slight. Some intervals slightly disturbed by up-arching or fracturing, one interval with mixed sediments due to gas expansion.



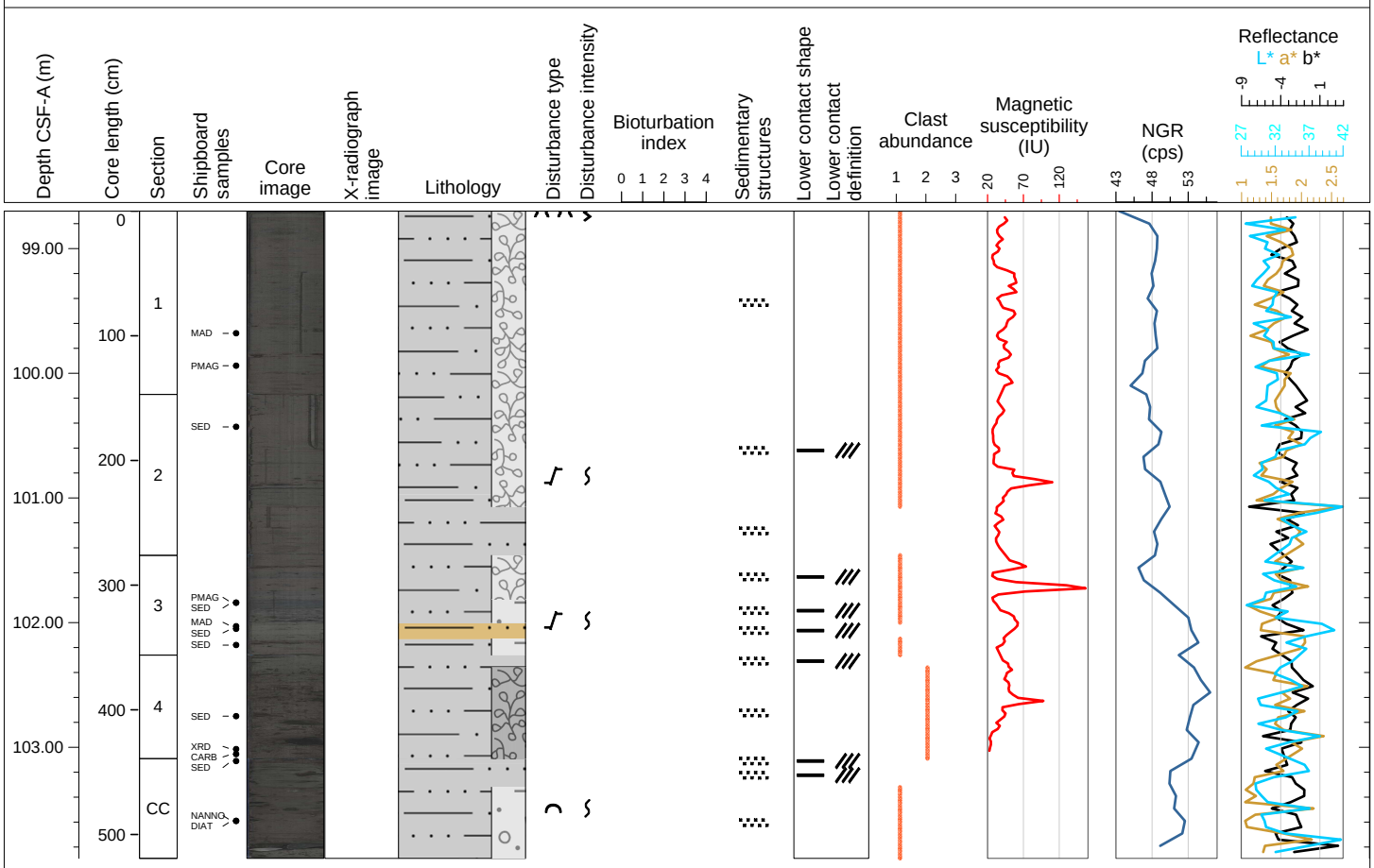
Hole 403-U1618A Core 12F, Interval 94.0-98.99 m (CSF-A)

Upper part consists of dark greyish structureless silty clay with dark patches and dispersed clasts. Lower part dark greyish clay to silt with dark patches. Bioturbation not apparent to slight. Uppermost 13 cm fragmented, some parts with slight up-arching and fractures.



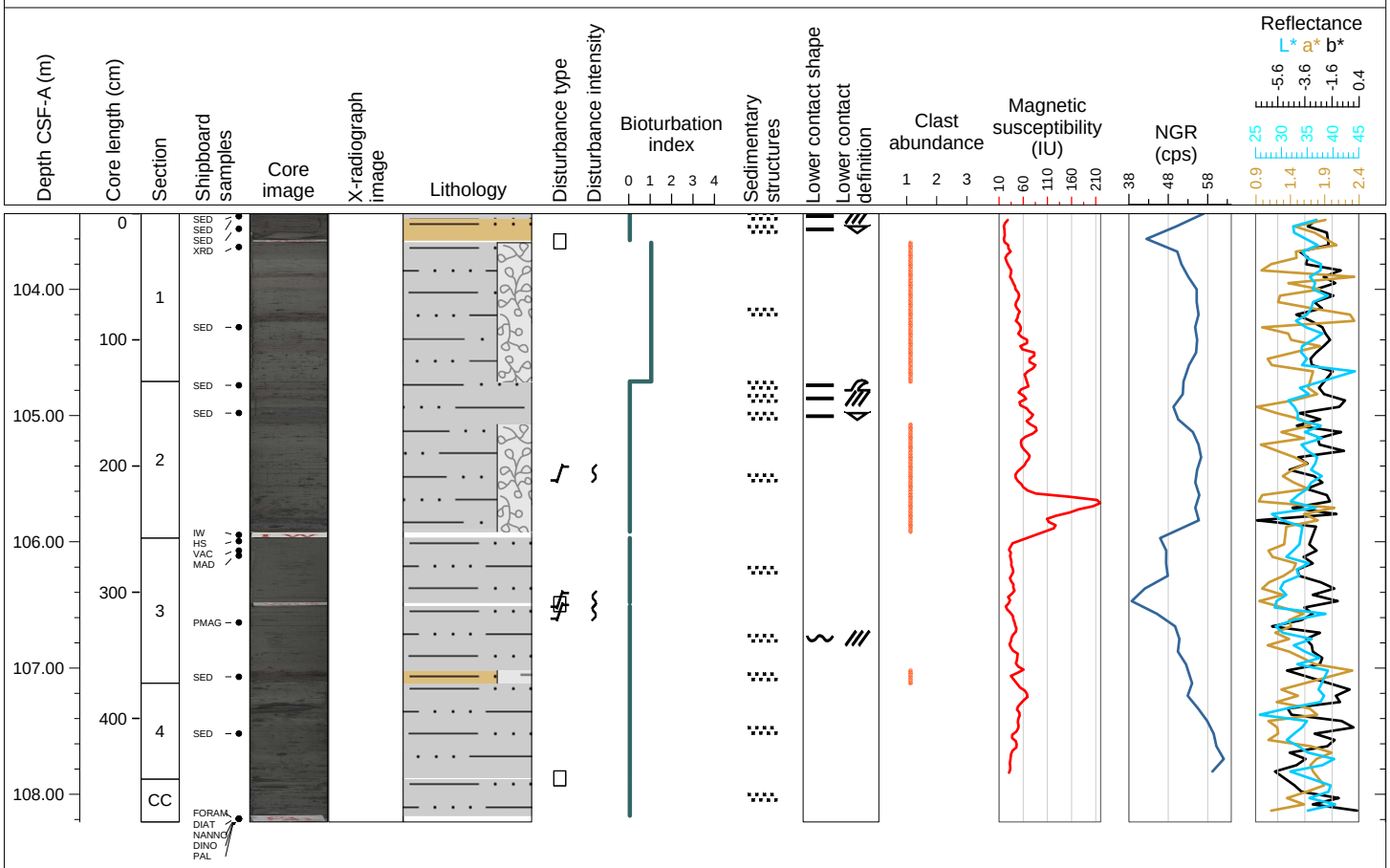
Hole 403-U1618A Core 13F, Interval 98.7-103.89 m (CSF-A)

Dominantly silty clay with some clay-richer intervals; common dark patches and dispersed clasts (<1%); structurless bedding with absence of bioturbation. Slight fracturing and up-arching in some intervals.



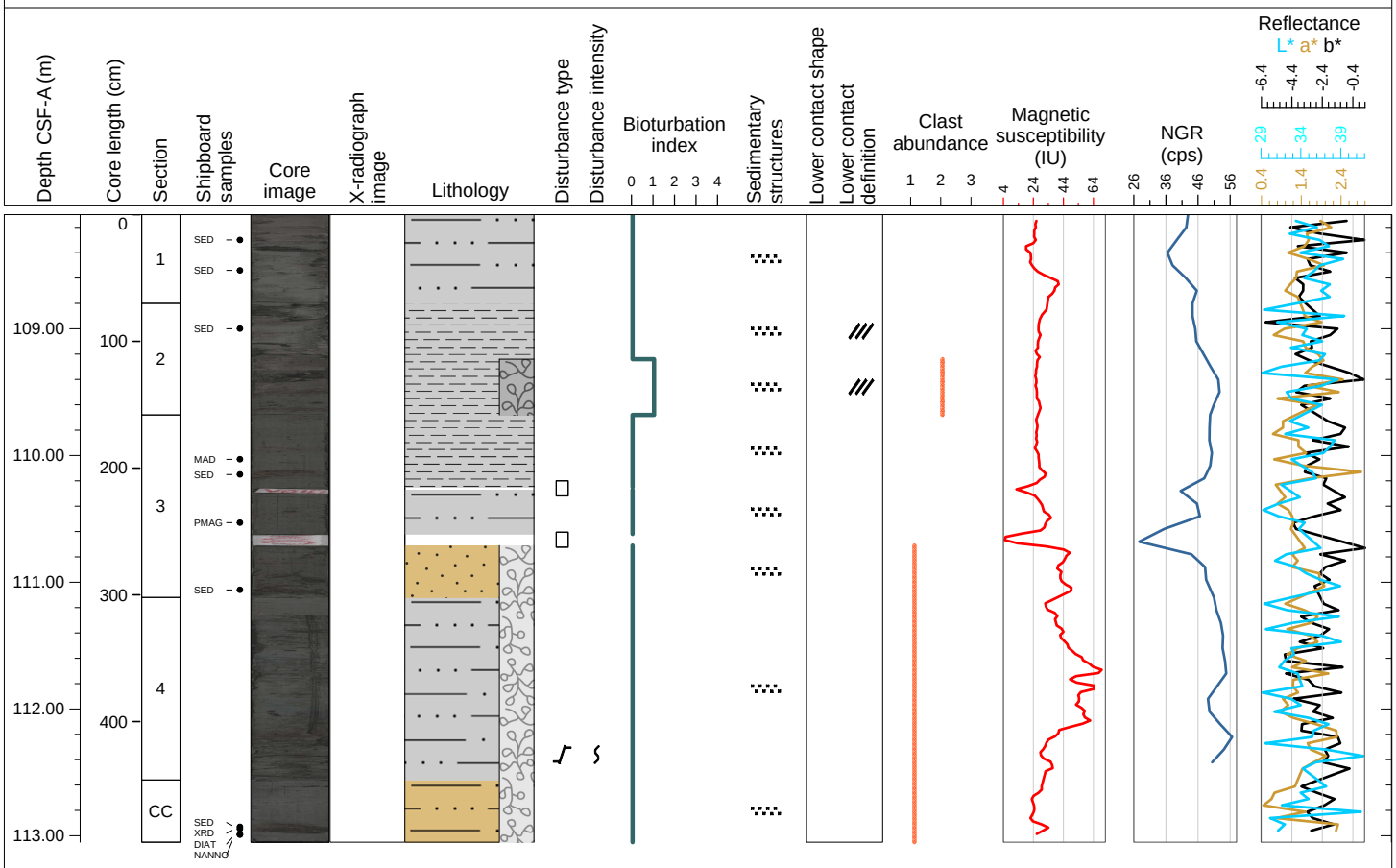
Hole 403-U1618A Core 14F, Interval 103.4-108.22 m (CSF-A)

Mud, clayey silt, and silty clay; some intervals have dispersed to common dark patches and dispersed to common clasts; clasts sometimes occur with dark patches. Dominantly structurless with some wavy bedding throughout. Dominantly absent of bioturbation except in few intervals. Drilling disturbances include up-arching and fractures ranging from slight to moderate.



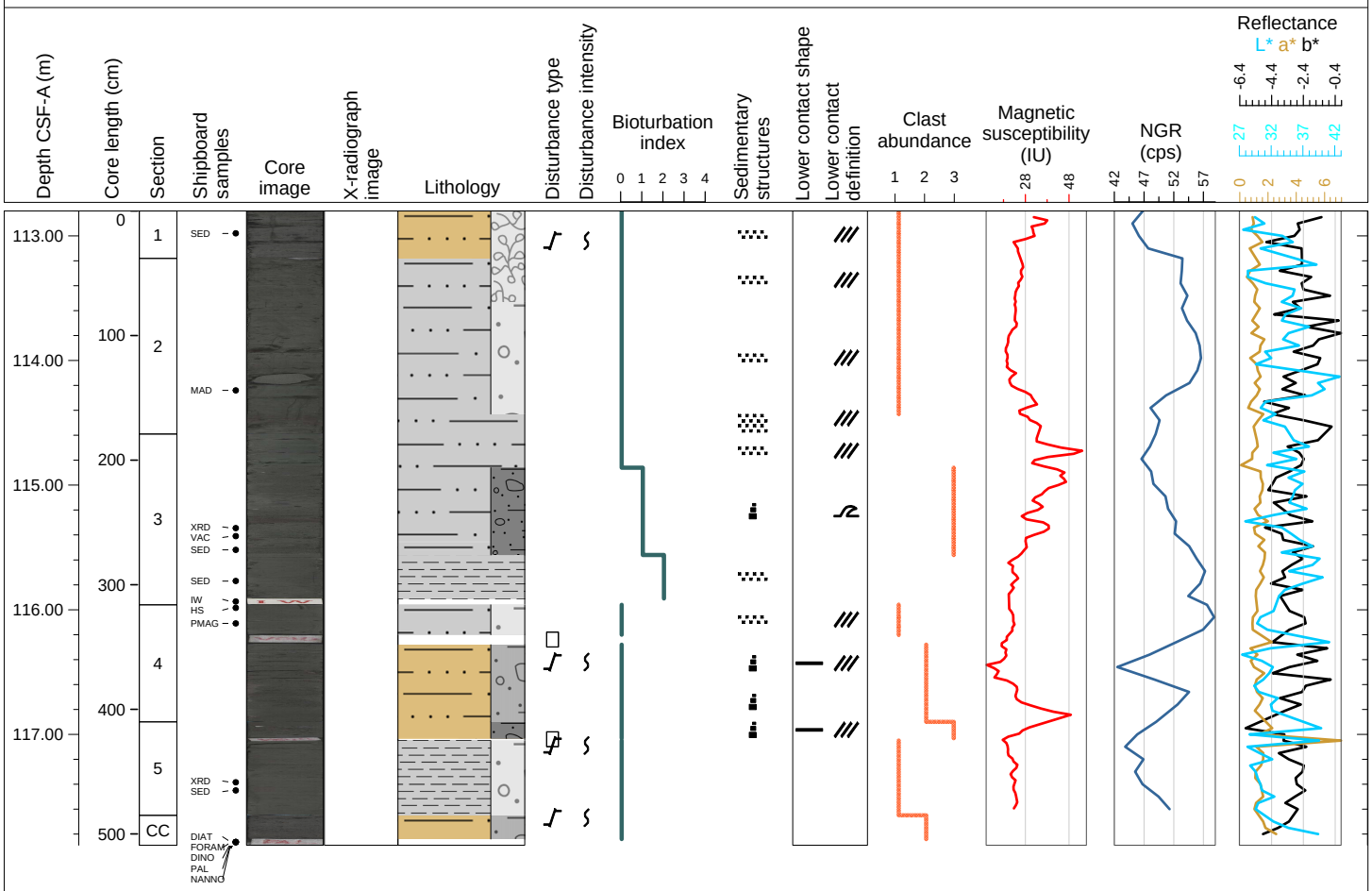
Hole 403-U1618A Core 15F, Interval 108.1-113.05 m (CSF-A)

Silty clay to caly to clayey silt, some intervals with dark patches with dispersed clasts (<1%); some intervals (~2 cm thick) contain small (~0.5 cm) circular white minerals sparsely to abundant. Structurless with no to very little bioturbation. Where it occurs, up-arching and fracturing are slight to strong.



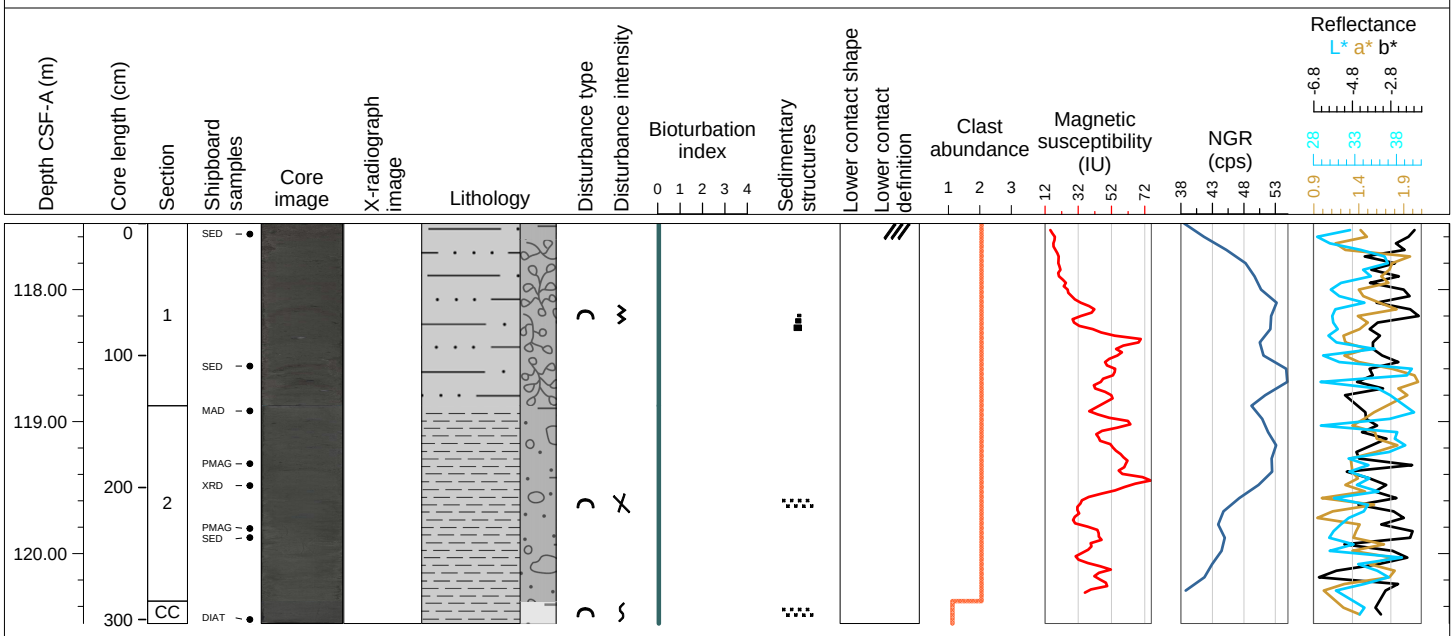
Hole 403-U1618A Core 16F, Interval 112.8-117.89 m (CSF-A)

Silty clay to clayey silt dominate, with intervals of dark patches towards the top of the core; dispersed (<1%) to abundant (5-30%) clasts throughout. Dominantly structureless, but multiple normal graded intervals are apparent. Within homogenous intervals, bioturbation ranges from slight to moderate. Core is slightly fractured in firmer sediments.



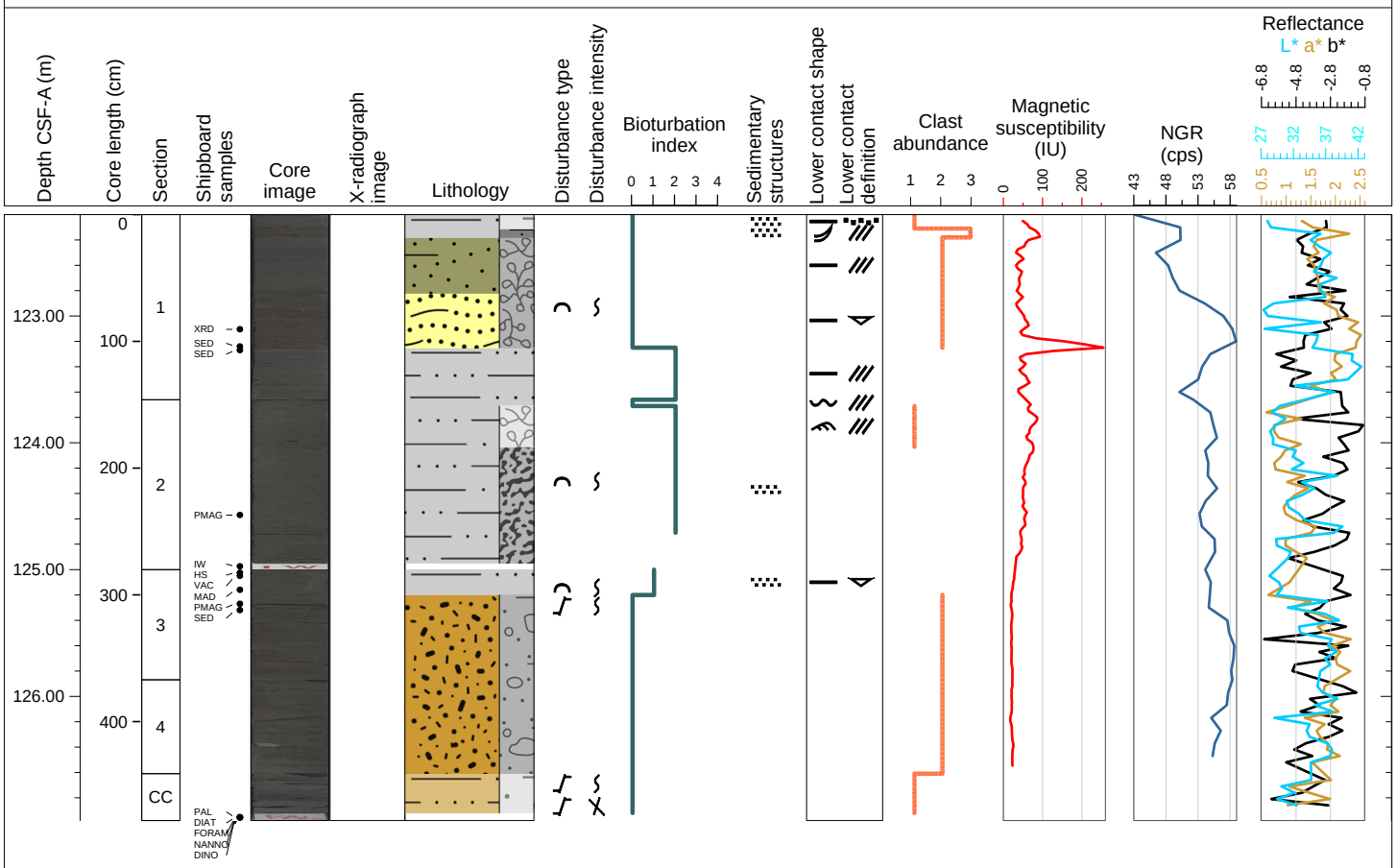
Hole 403-U1618A Core 17F, Interval 117.5-120.53 m (CSF-A)

Silty clay to clay with few dark patches and dispersed to common clasts; multiple normally graded intervals within the middle of the section, others are structurless; no apparent bioturbation throughout. Slight to strong up-arching throughout.



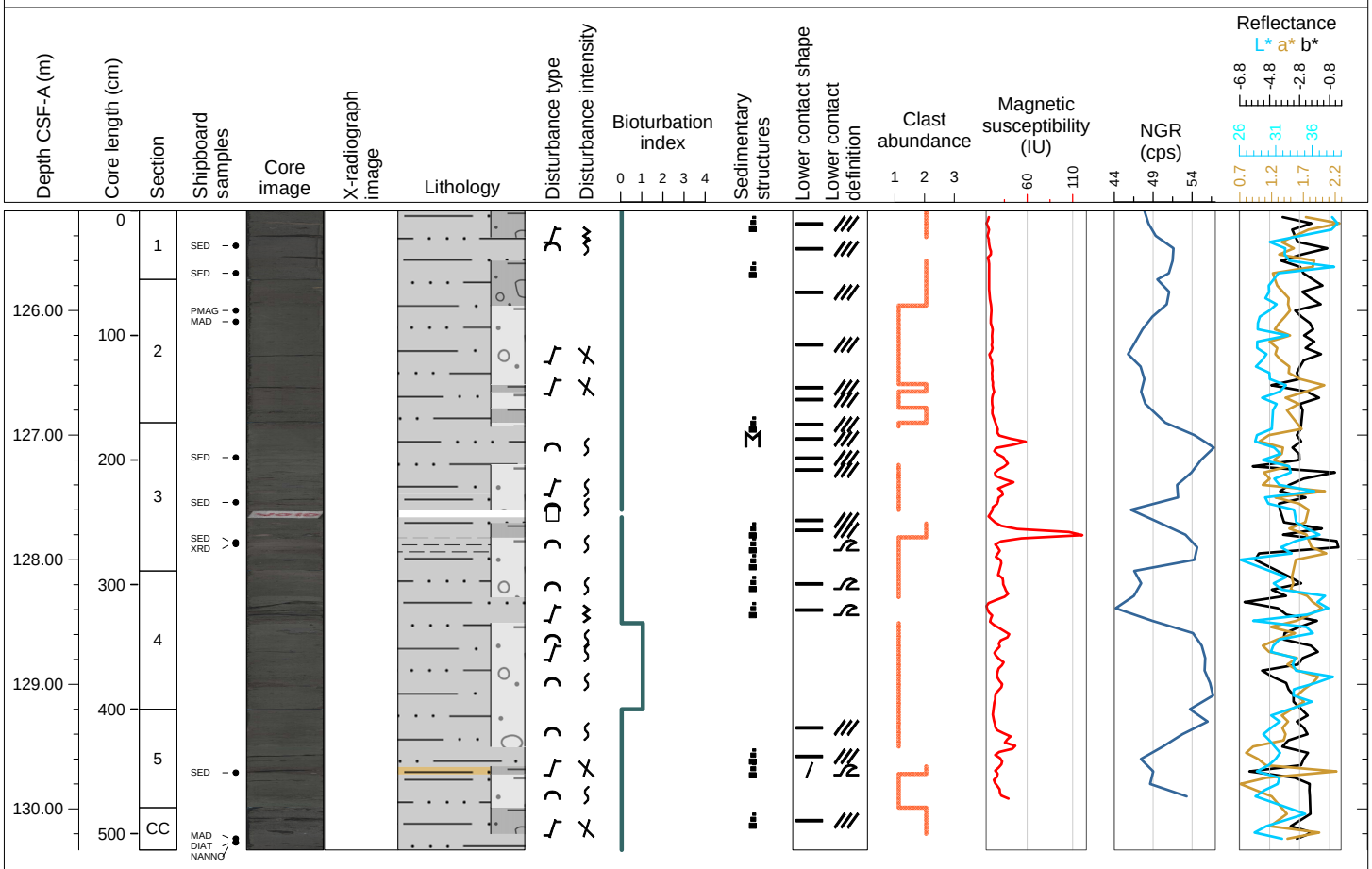
Hole 403-U1618A Core 18F, Interval 122.2-126.98 m (CSF-A)

Dominantly silty clay with with dark patches occurring within intervals throughout; clasts common to dispersed especially near the top and bottom of the core. Irregular to wavy bedding but overall structureless; slight to moderate bioturbation in the middle of the section. Slight up-arching at top of section (0-124.13 m) with slight to moderate fracturing occurring downcore (124.13-125.13 m).



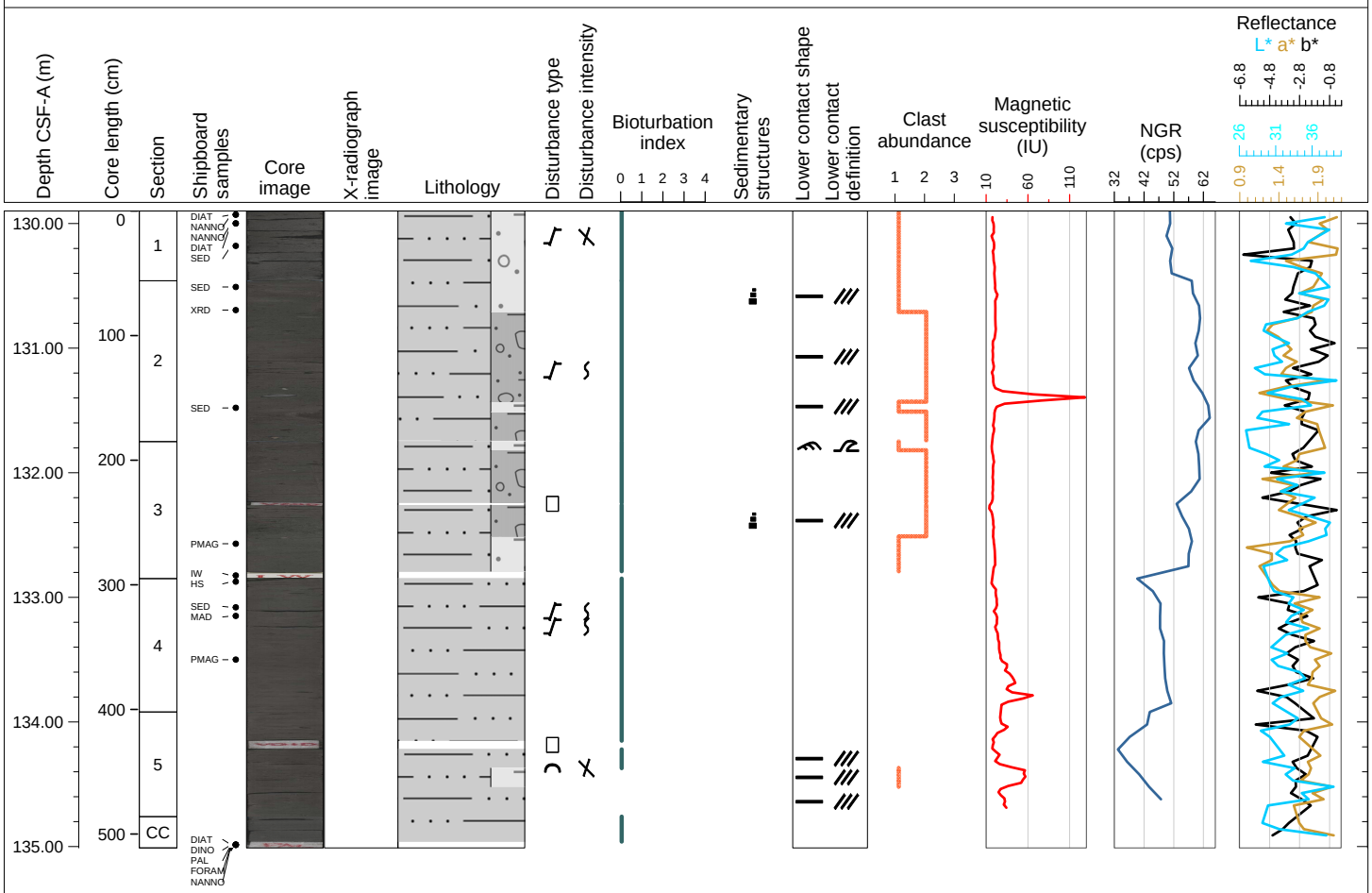
Hole 403-U1618A Core 19F, Interval 125.2-130.33 m (CSF-A)

Silty clay with dispersed clasts (<1%) dominate the lithology; normal grading throughout the section; no apparent bioturbation. Slight to strong fracturing occurs within small intervals throughout the section, in addition to slight up-arching.



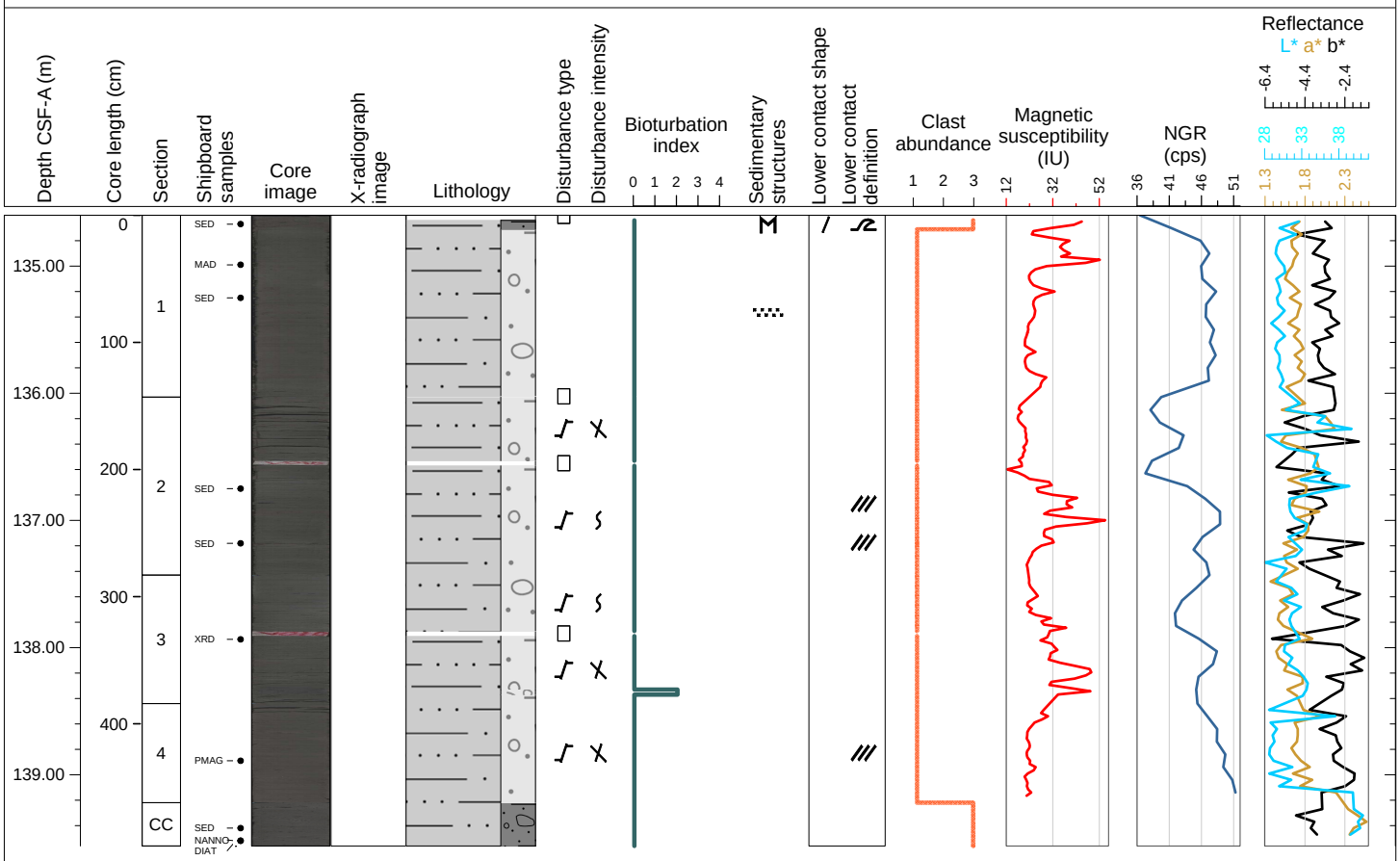
Hole 403-U1618A Core 20F, Interval 129.9-135.01 m (CSF-A)

Interval dominated by silty clay; dispersed to common clasts throughout much of the core. Normal grading intervals apparent in the upper section and middle of the core; no apparent bioturbation. Core fractured slightly to strongly throughout.



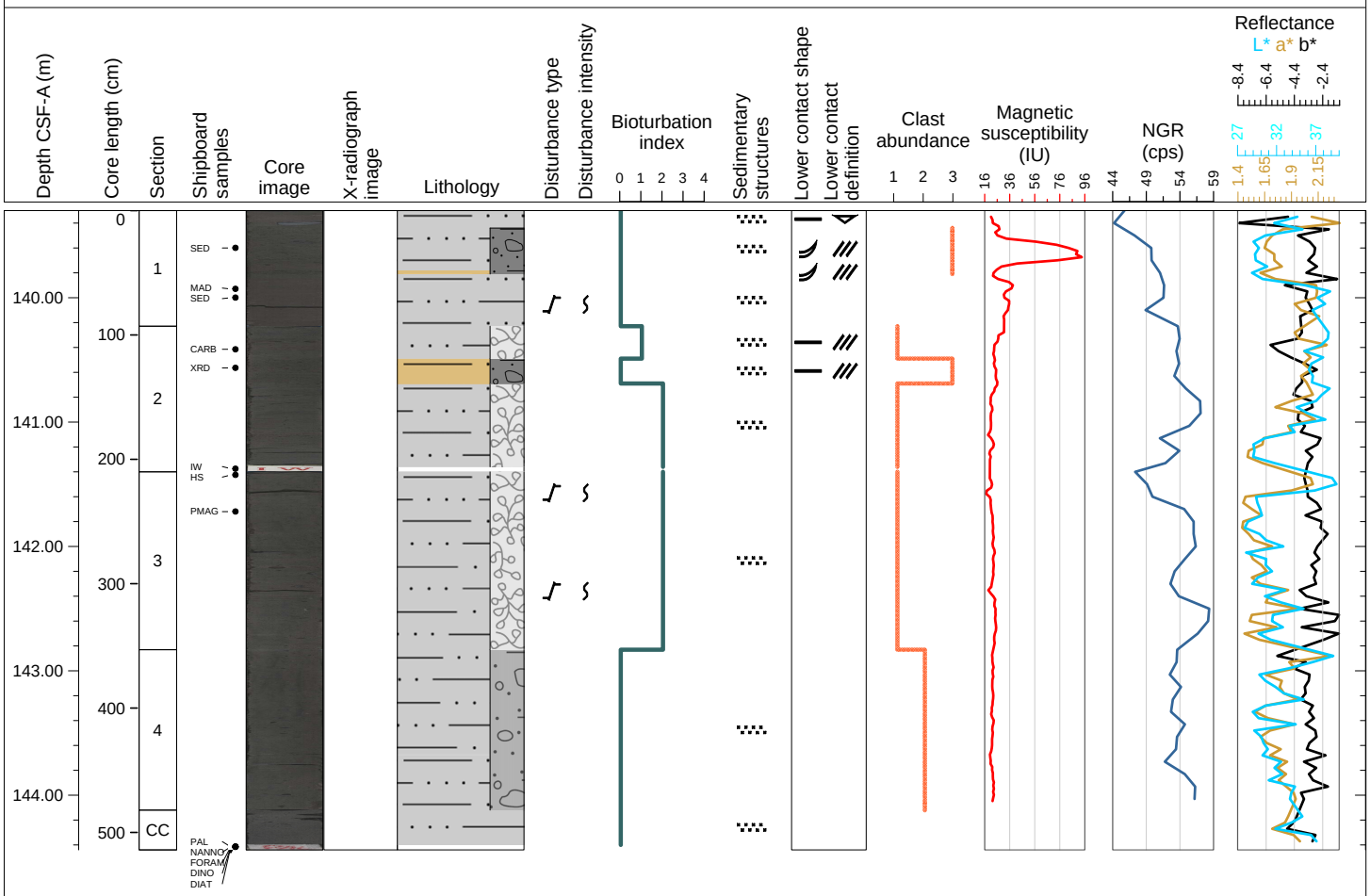
Hole 403-U1618A Core 21F, Interval 134.6-139.56 m (CSF-A)

Core lithology dominated by silty clay with dispersed to abundant clasts; structurless lithology with no apparent bioturbation throughout. Slight to moderate fracturing throughout.



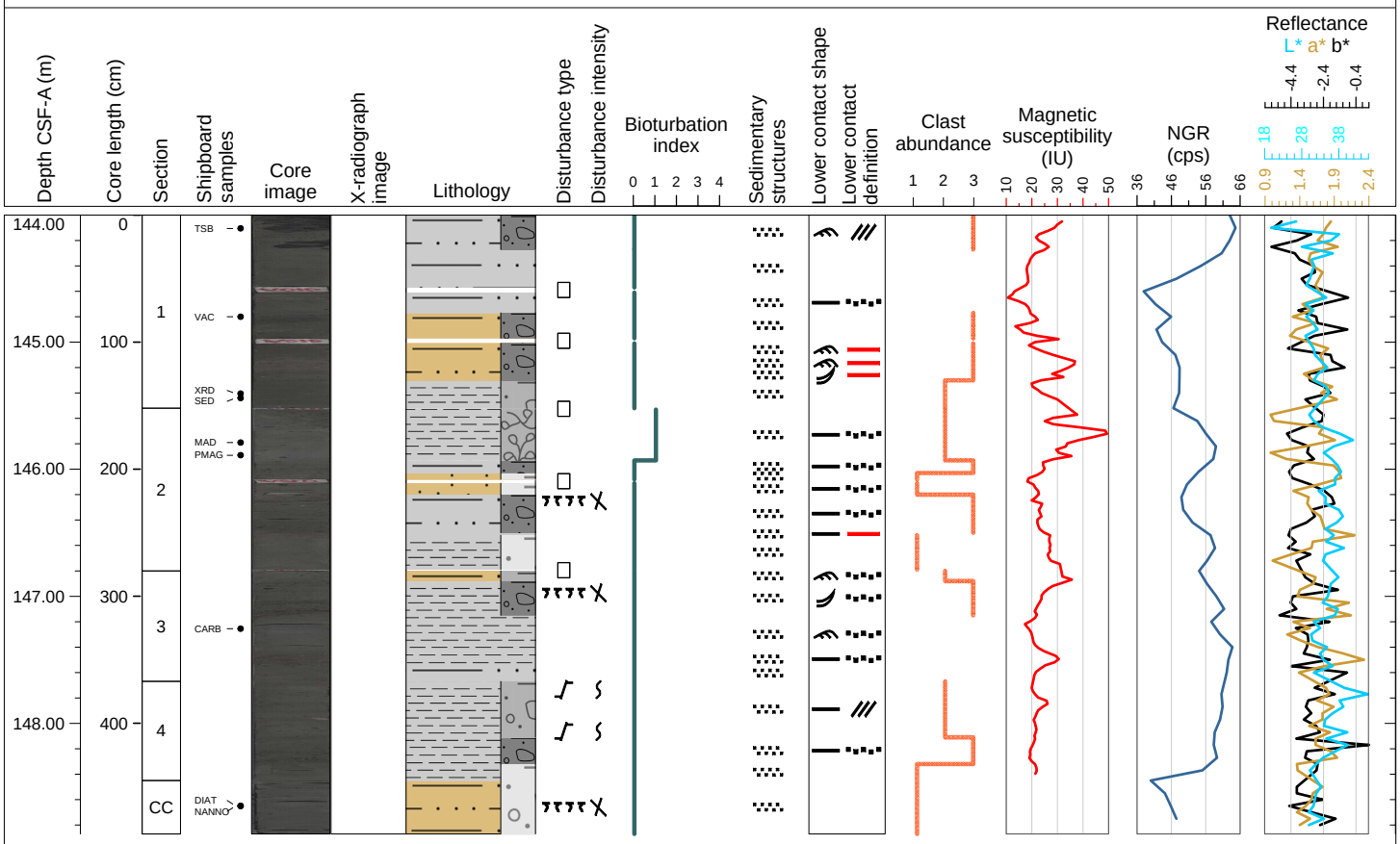
Hole 403-U1618A Core 22F, Interval 139.3-144.44 m (CSF-A)

Dark grey structureless silty clay to clayey silt with dispersed to abundant clasts. No apparent to moderate bioturbation. Some intervals are slightly fractured.



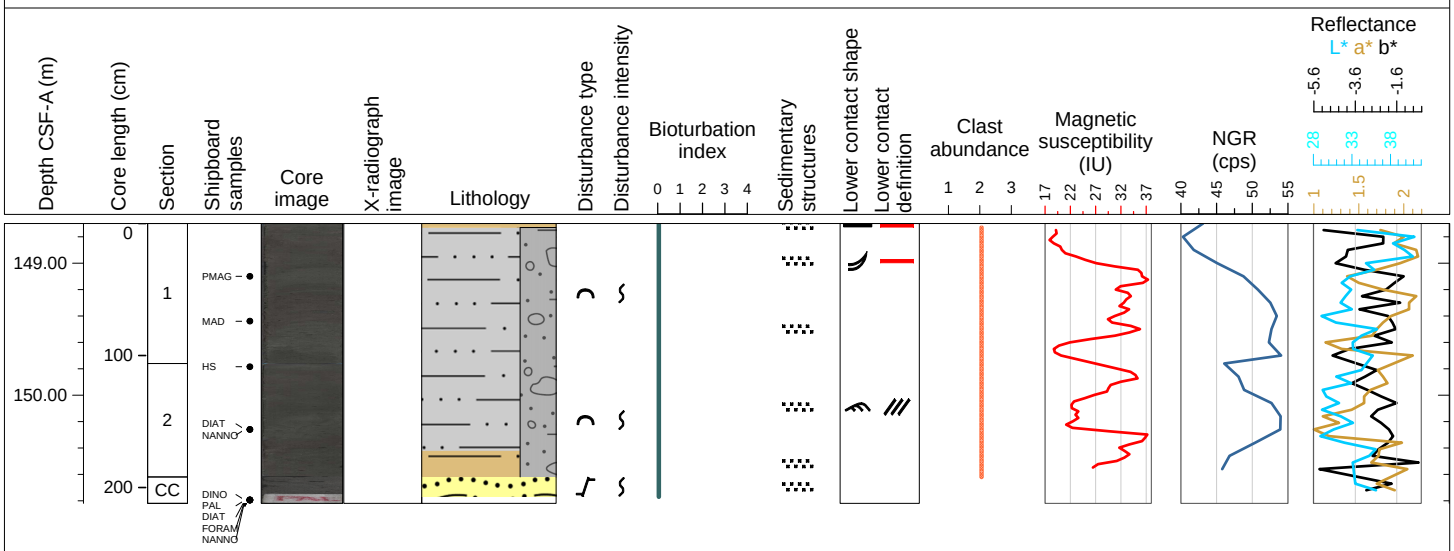
Hole 403-U1618A Core 23F, Interval 144.0-148.87 m (CSF-A)

Dark grey structureless clay to clayey silt. Partly with dispersed to abundant clasts. Some reddish intervals. No apparent to slight bioturbation. Several void intervals, and some parts of the core are slightly to moderately fractured or fragmented.



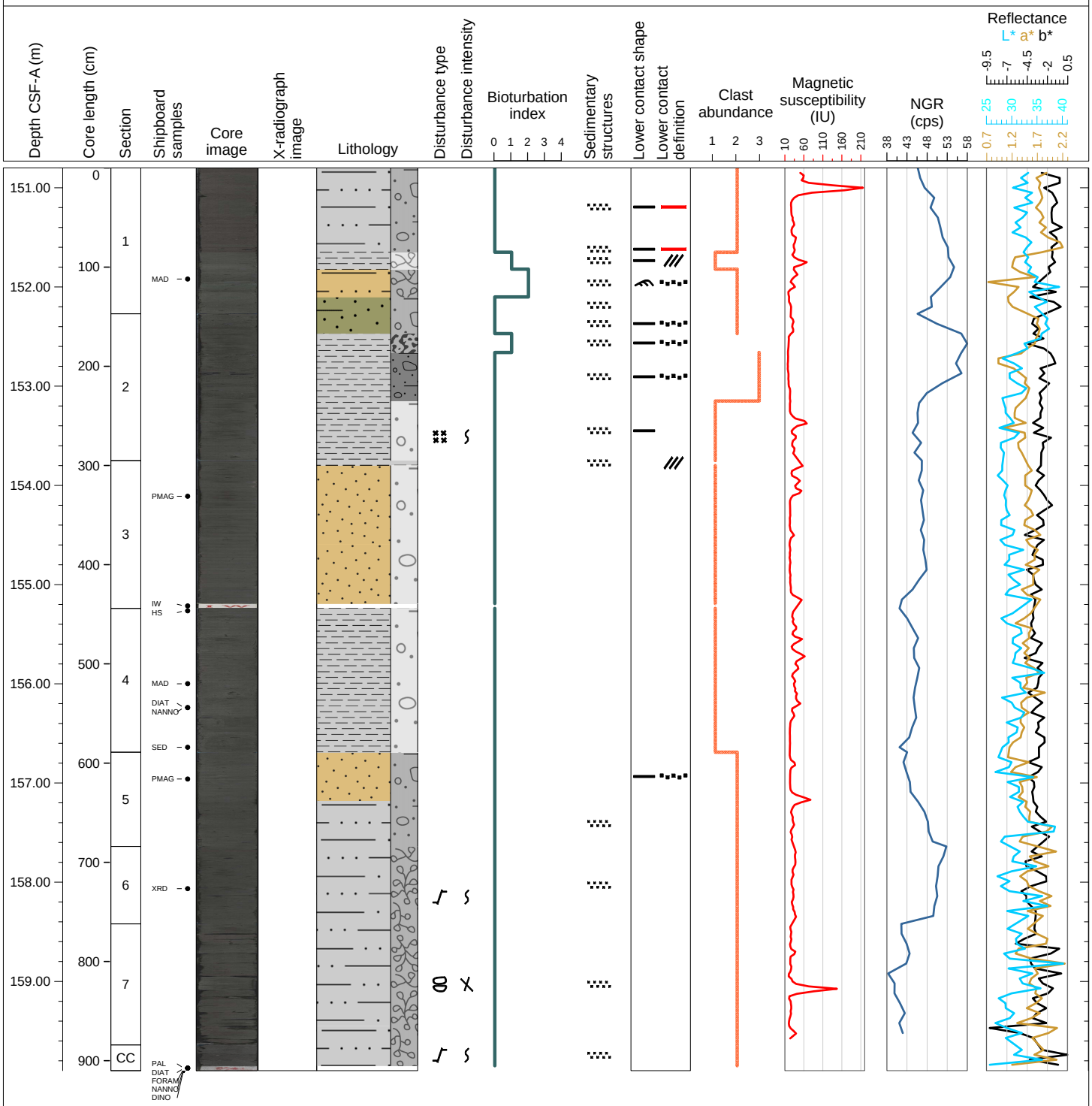
Hole 403-U1618A Core 24F, Interval 148.7-150.82 m (CSF-A)

Mostly dark greyish structureless silty clay with common clasts. Bottom layer contains some sand. One layer may contain a mass-transport deposit. No apparent bioturbation. Slight up-arching throughout, core catcher slightly fractured.



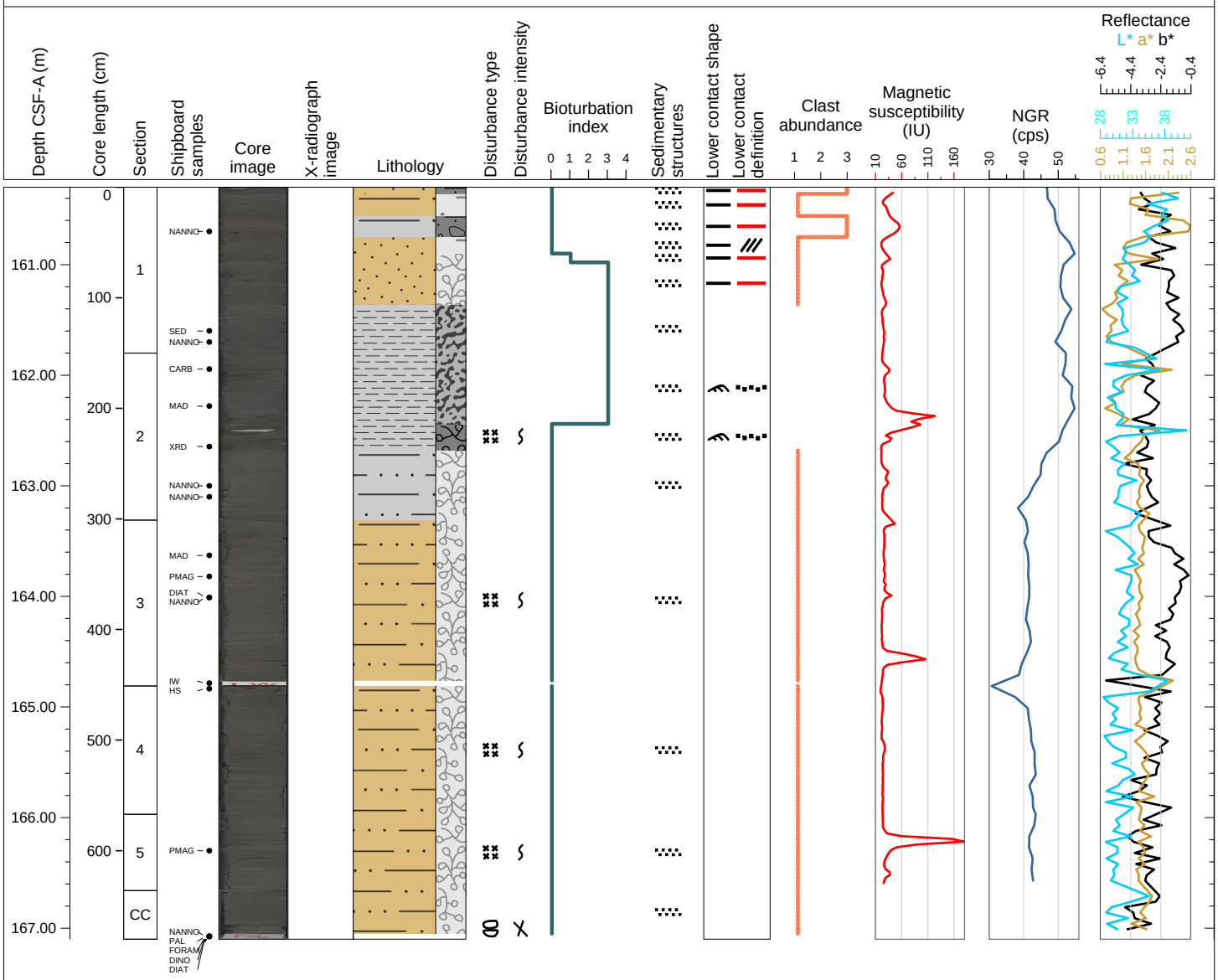
Hole 403-U1618A Core 25X, Interval 150.8-159.9 m (CSF-A)

Dark greyish structureless silty clay to silt with dispersed to abundant clasts. Contains one layer of sandy mud with common clasts and one reddish layer. No apparent to moderate bioturbation. Slight along-core contamination in section 2, lowermost part slightly fractured. Moderate biscuiting in section 7.



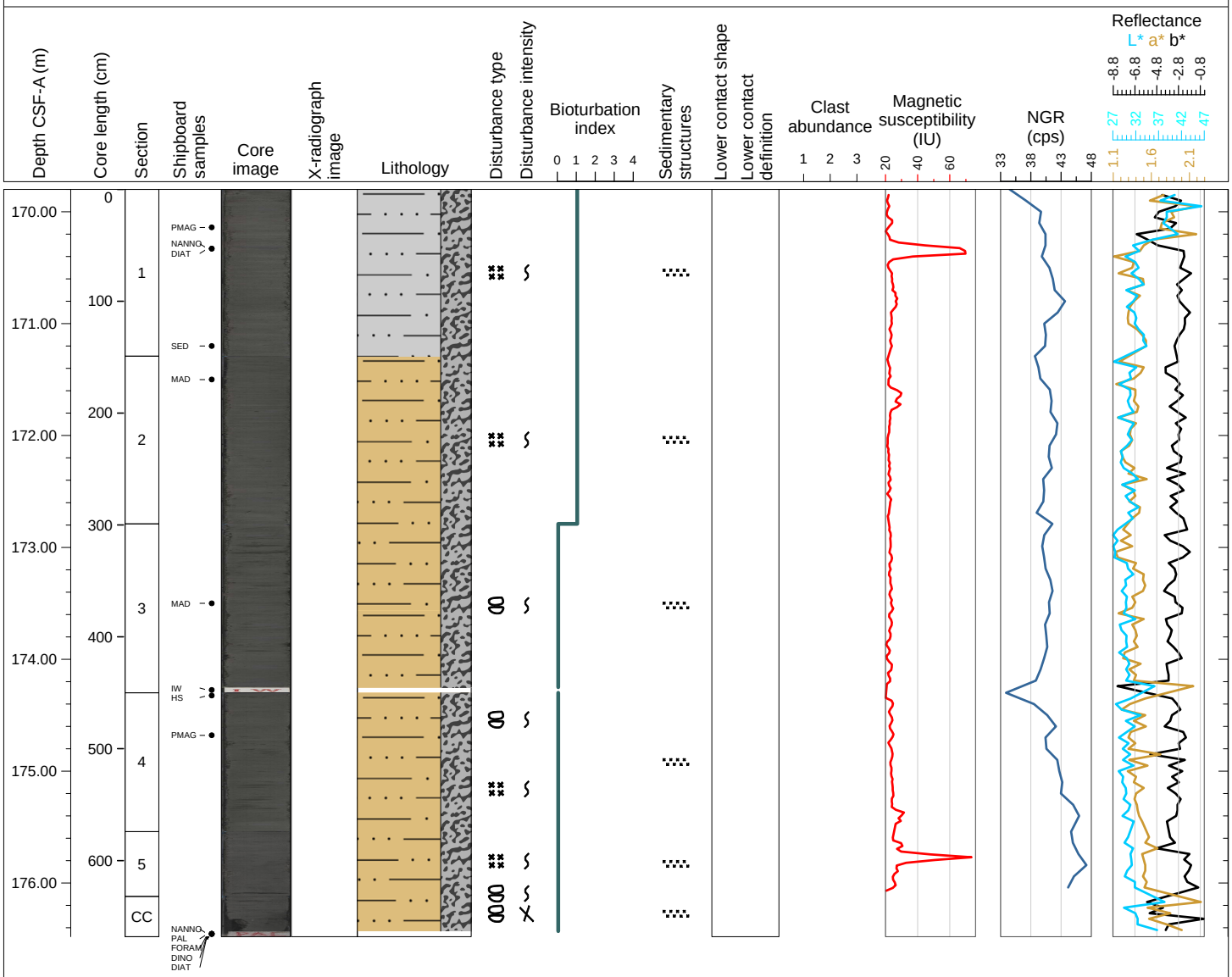
Hole 403-U1618A Core 26X, Interval 160.3-167.1 m (CSF-A)

Upper part dark grey structureless clayey silt to sandy silt, partly with dispersed to abundant clasts and/or dark patches; two reddish intervals. Lower part dark grey structureless clayey silt with dark patches and dispersed clasts and textural bedding. No apparent to heavy bioturbation. Mostly with slight along-core contamination; moderate biscuiting in core catcher.



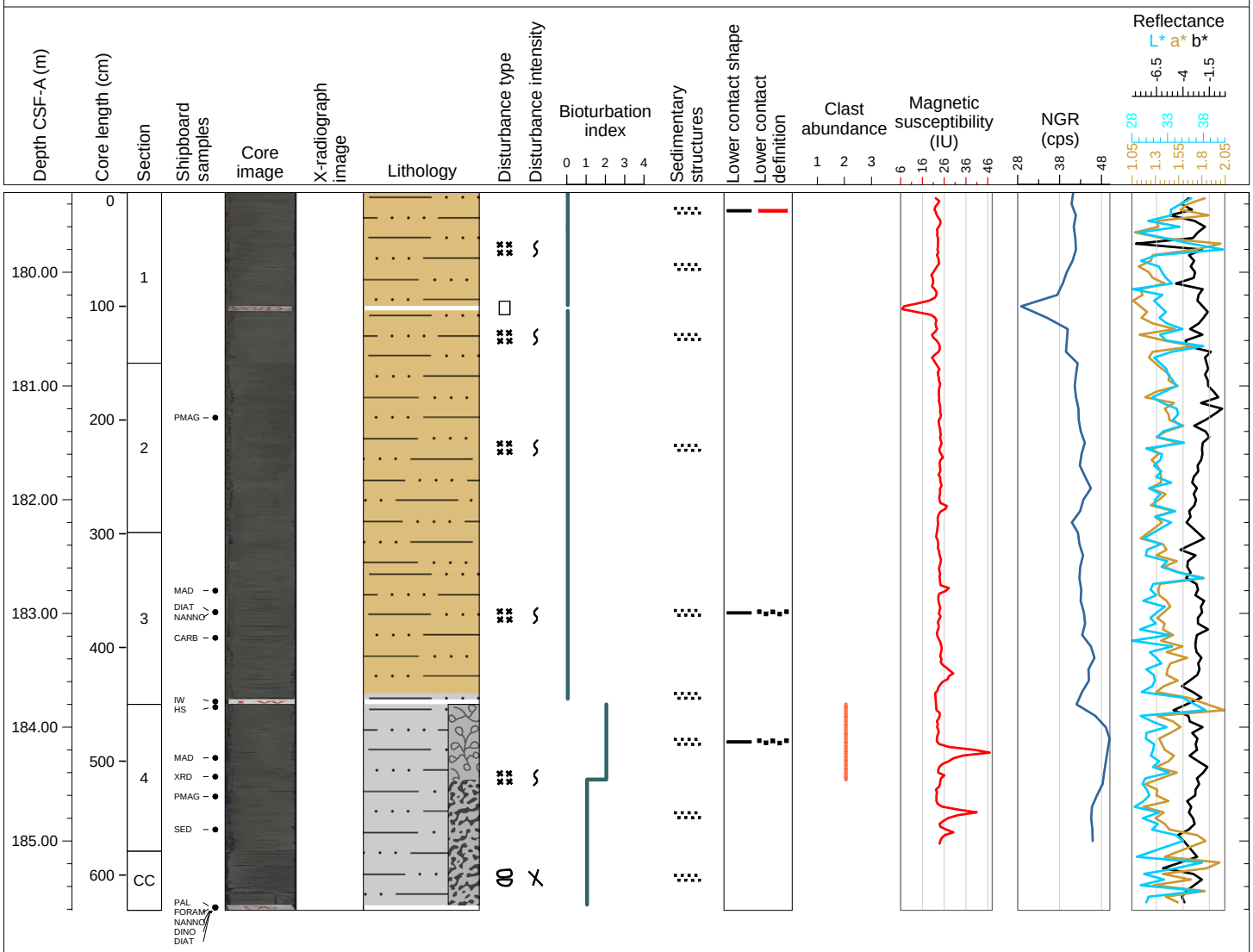
Hole 403-U1618A Core 27X, Interval 169.8-176.48 m (CSF-A)

Dark grey structureless clayey silt with dark patches and textural bedding. No apparent bioturbation. Slight along-core contamination and biscuiting.



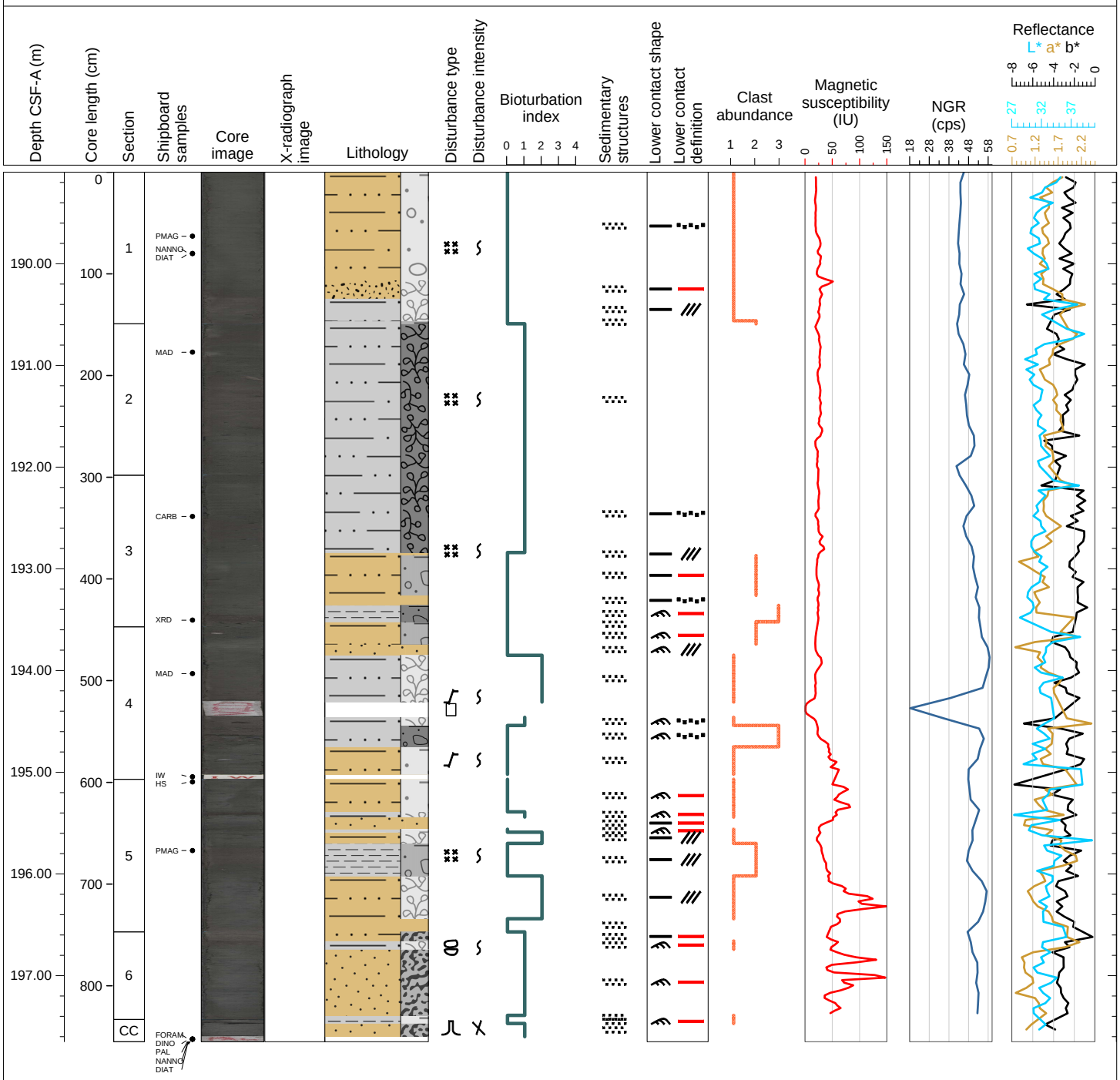
Hole 403-U1618A Core 28X, Interval 179.3-185.61 m (CSF-A)

Dark grey structureless clayey silt with textural bedding in upper part of the core. Lower part contains silty clay partly with common clasts. No apparent bioturbation in upper, slight to moderate in lower part. Slight along-core contamination, moderate biscuiting in core catcher.



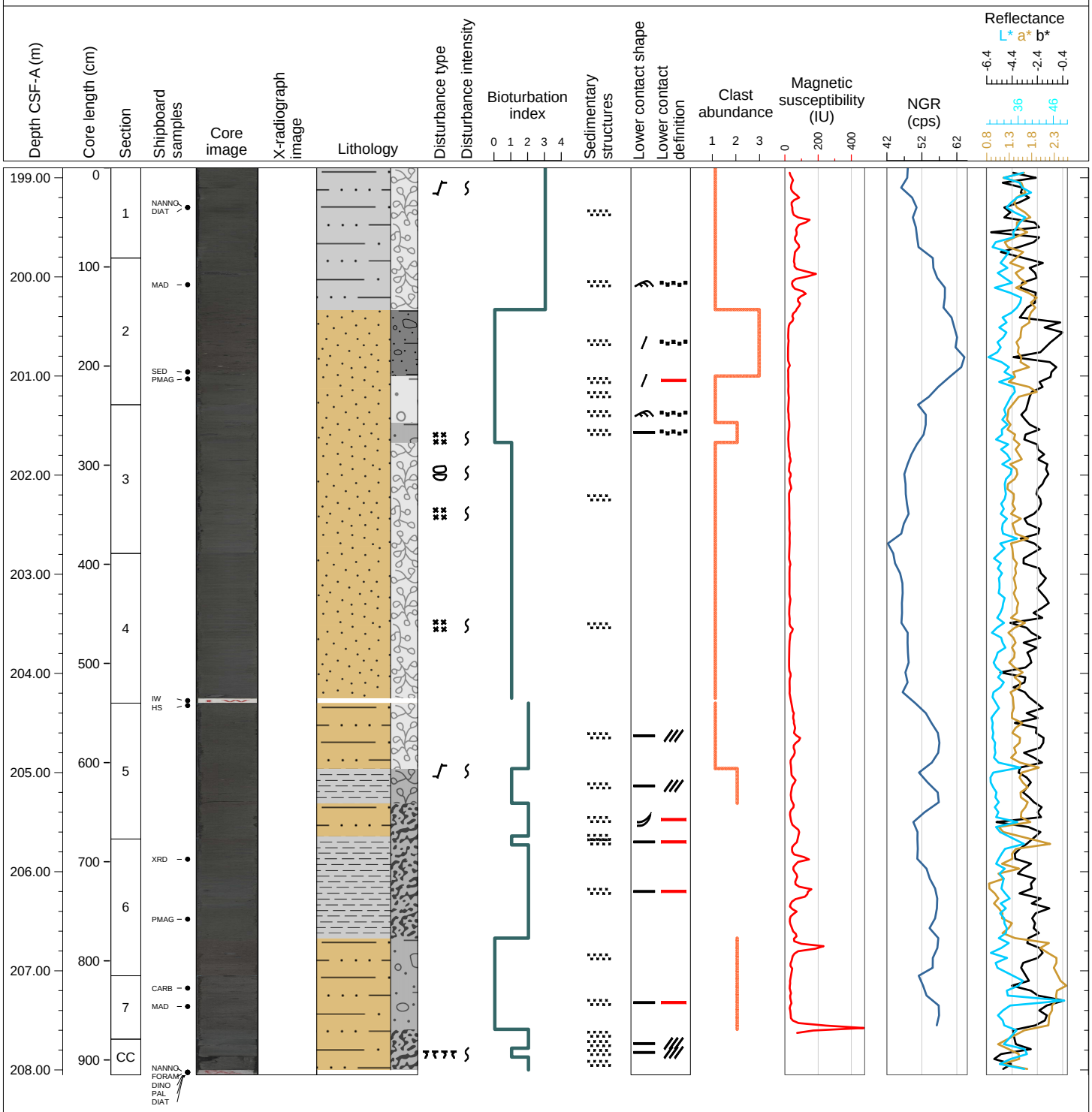
Hole 403-U1618A Core 29X, Interval 189.1-197.65 m (CSF-A)

Upper part consists of dark greyish structureless silty clay to clayey silt with dispersed to abundant clasts, partly with dark patches. Lower part dark greyish clay to silt with intermitted reddish intervals, partly with dispersed to common clasts. Bioturbation not apparent to moderate. Slight along-core contamination in sections 1-3 and 5, slight biscuiting in section 6. Some intervals are slightly fractured.



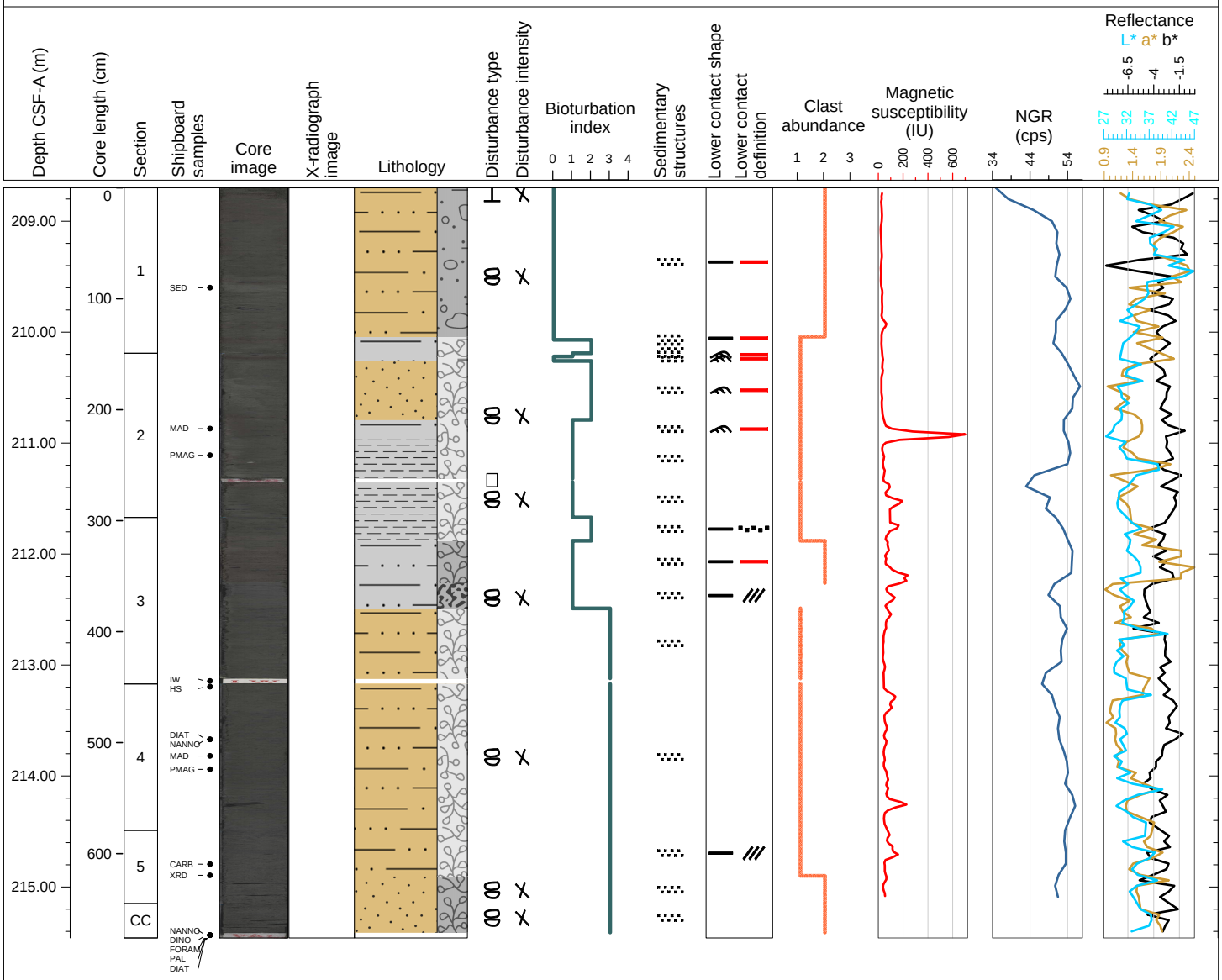
Hole 403-U1618A Core 30X, Interval 198.9-208.05 m (CSF-A)

Dark grey structureless clay to silt, partly with dispersed to abundant clasts. Some parts with no, other with slighte, moderate or heavy bioturbation. One layer with textural bedding and 3 reddish layers were encountered. Slightly fractured, slight along-core contamination in sections 3 and 4.



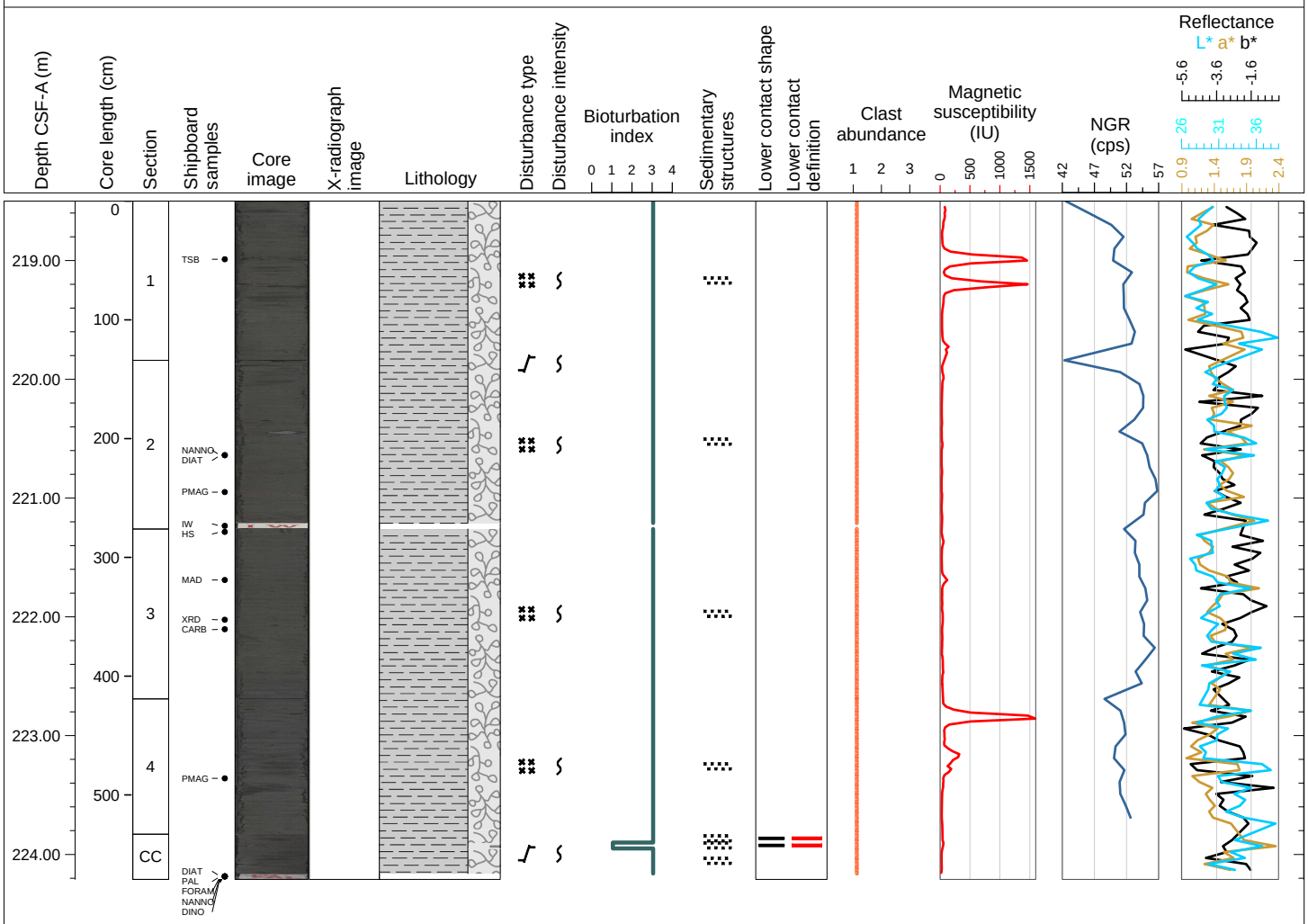
Hole 403-U1618A Core 31X, Interval 208.7-215.46 m (CSF-A)

Dark grey structureless clay to silt with dark patches and dispersed to common clasts. Some reddish layers. Slightly to heavily bioturbated. Topmost 11 cm with fall-in. Most parts are moderately biscuited.



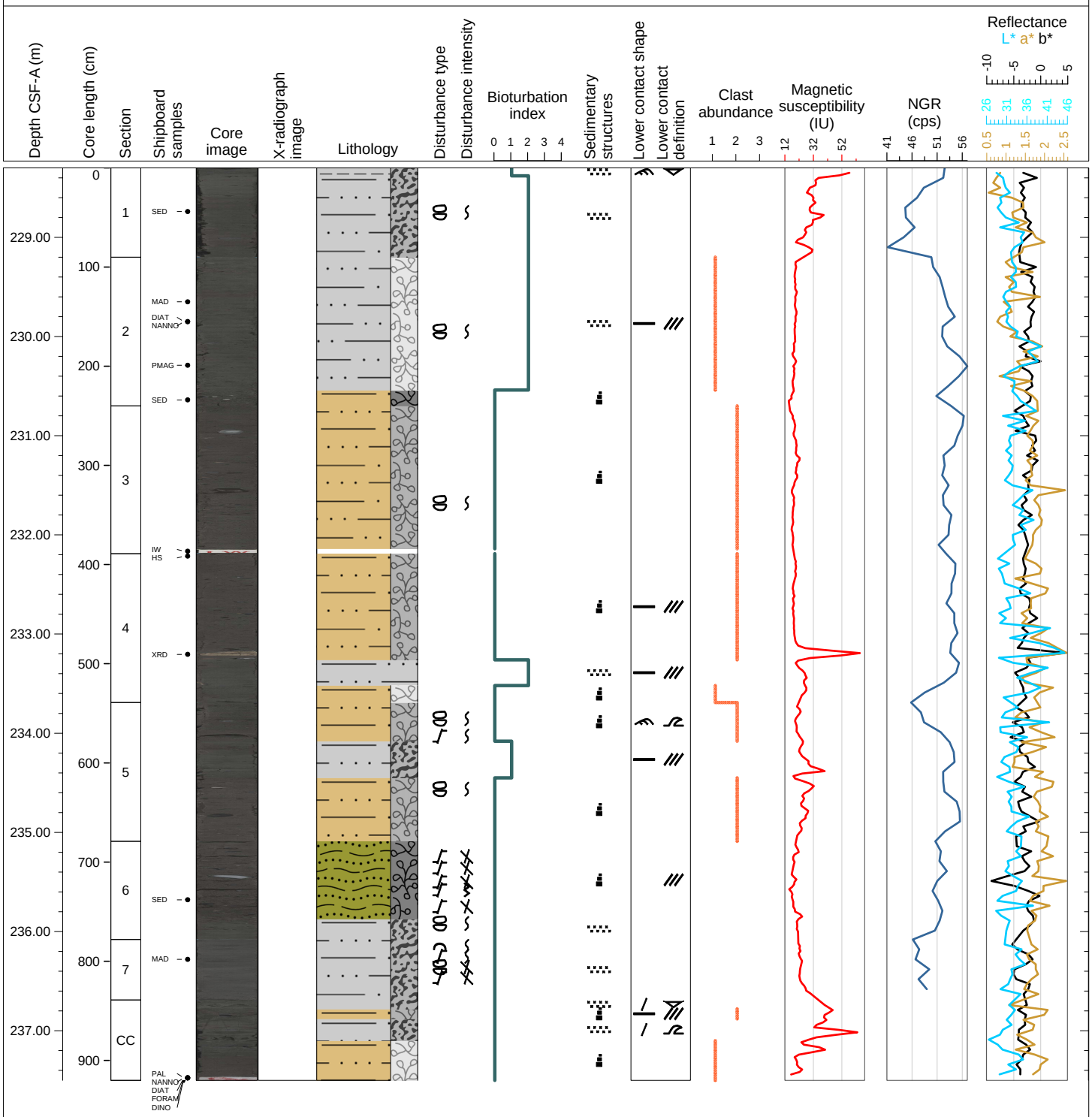
Hole 403-U1618A Core 32X, Interval 218.5-224.21 m (CSF-A)

Dark grey structureless clay with heavy bioturbation. Interbedded dark silty layers most likely due to biscuiting. Reddish layer at the bottom. Slight along-contamination throughout, some slightly fractured intervals.



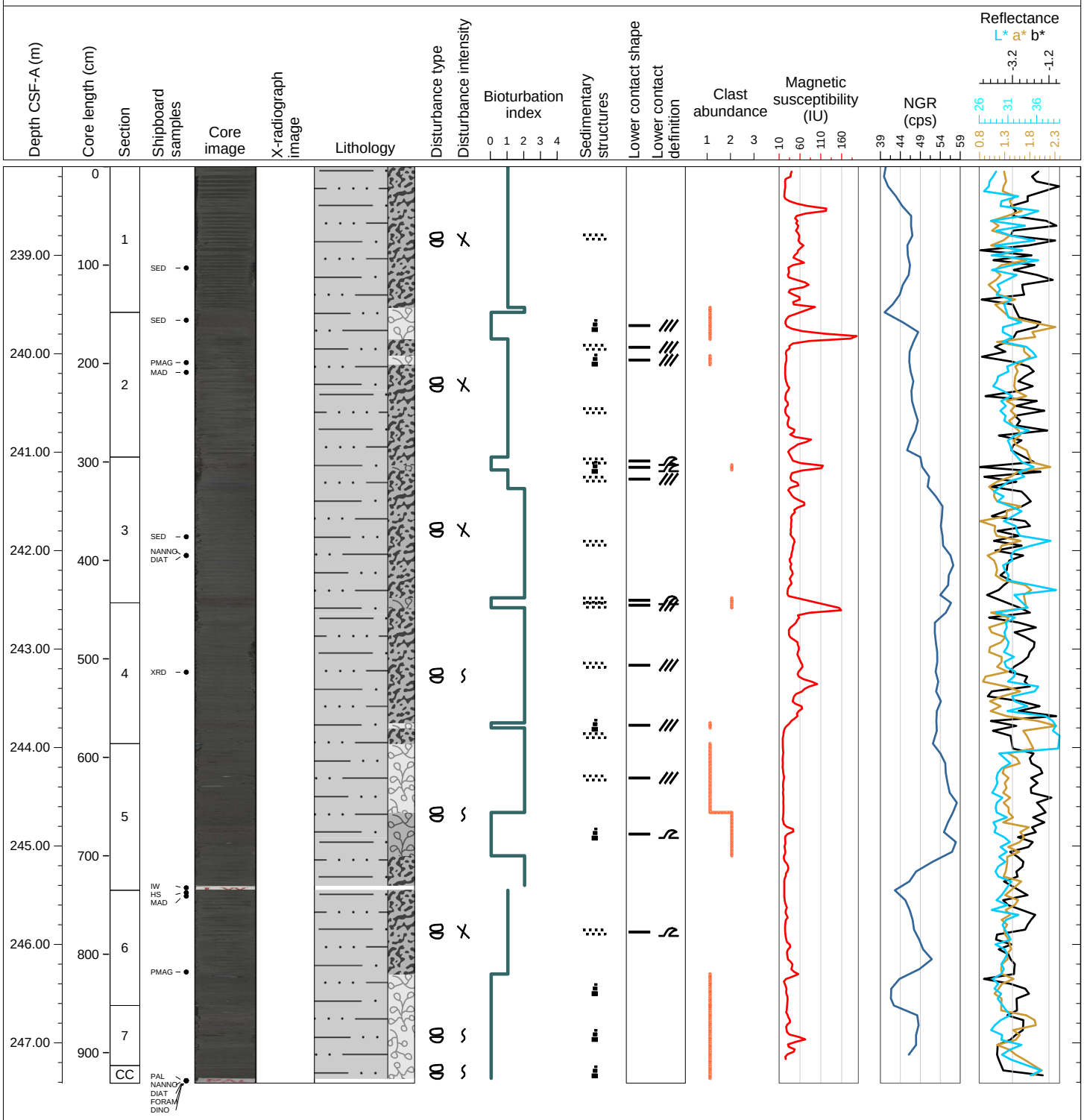
Hole 403-U1618A Core 33X, Interval 228.3-237.5 m (CSF-A)

Silty clay to clayey silt with a clay interval at the core top, some normal grading. Dark patches and dispersed to common grains throughout. Some Intervals appear interbedded due to moderate biscuiting. Absent to moderate bioturbation throughout. Slight to moderate fracturing and biscuiting throughout.



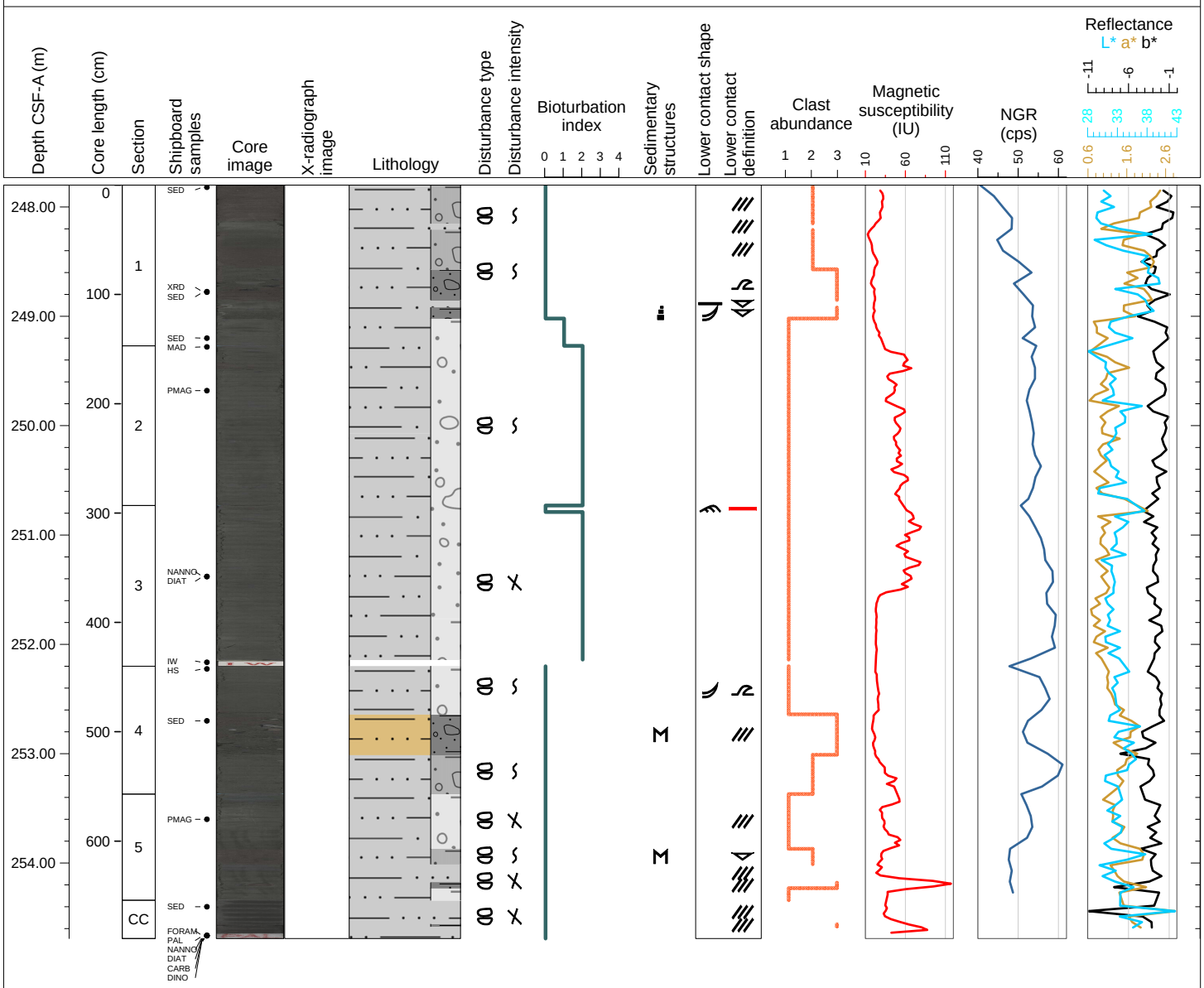
Hole 403-U1618A Core 34X, Interval 238.1-247.41 m (CSF-A)

Silty clay with dark patches and dispersed to common clasts. some intervals appear interbedded due to sight to moderate biscuiting. Some normal grading with absent to moderate bioturbation. Slight to moderate biscuiting throughout.



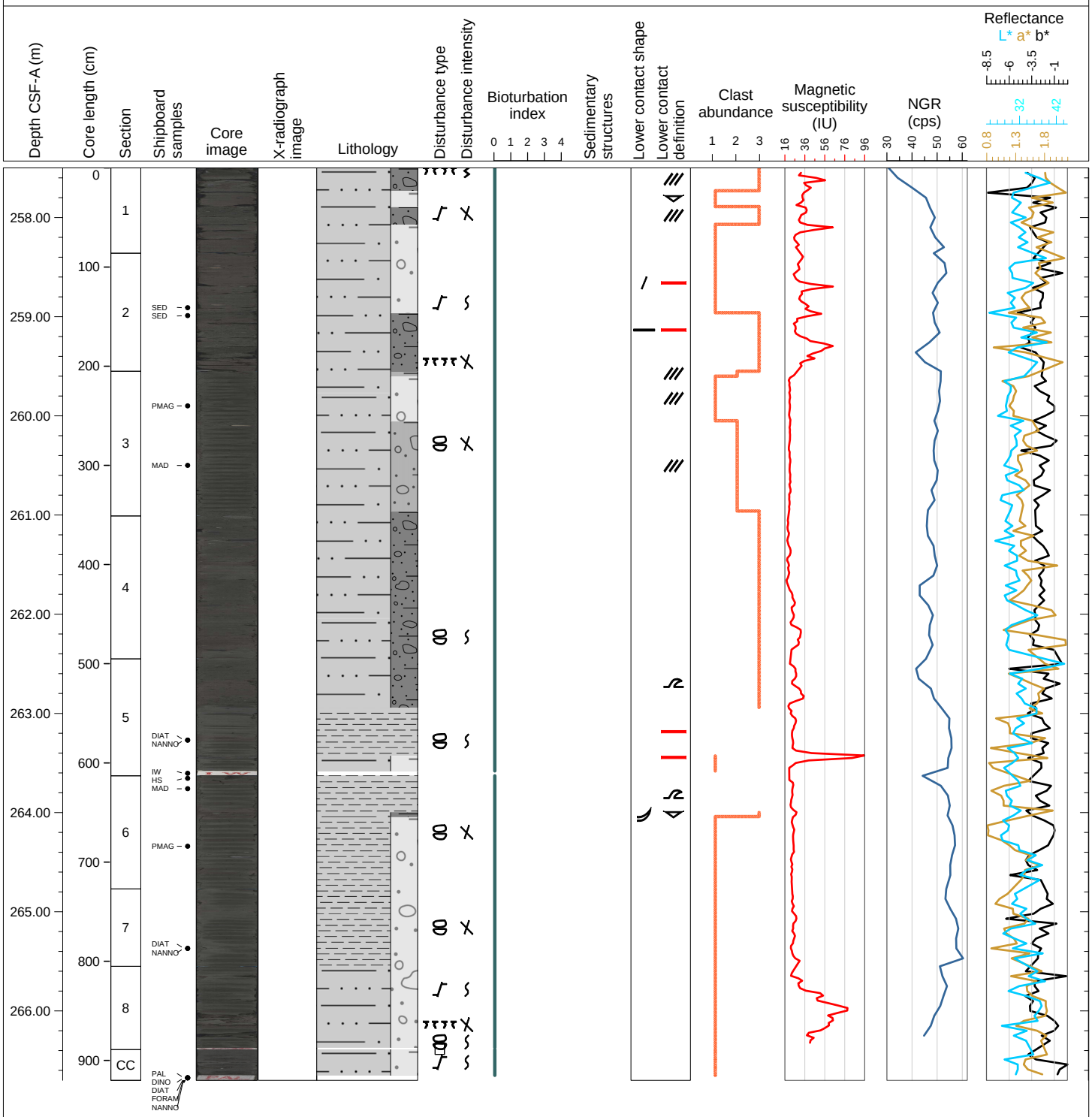
Hole 403-U1618A Core 35X, Interval 247.8-254.69 m (CSF-A)

Primarily silty clay with one clayey silt interval. Clasts range from absent to abundant. Bioturbation is mostly absent other than a few intervals with slight to moderate amounts. Slight to moderate biscuiting throughout.



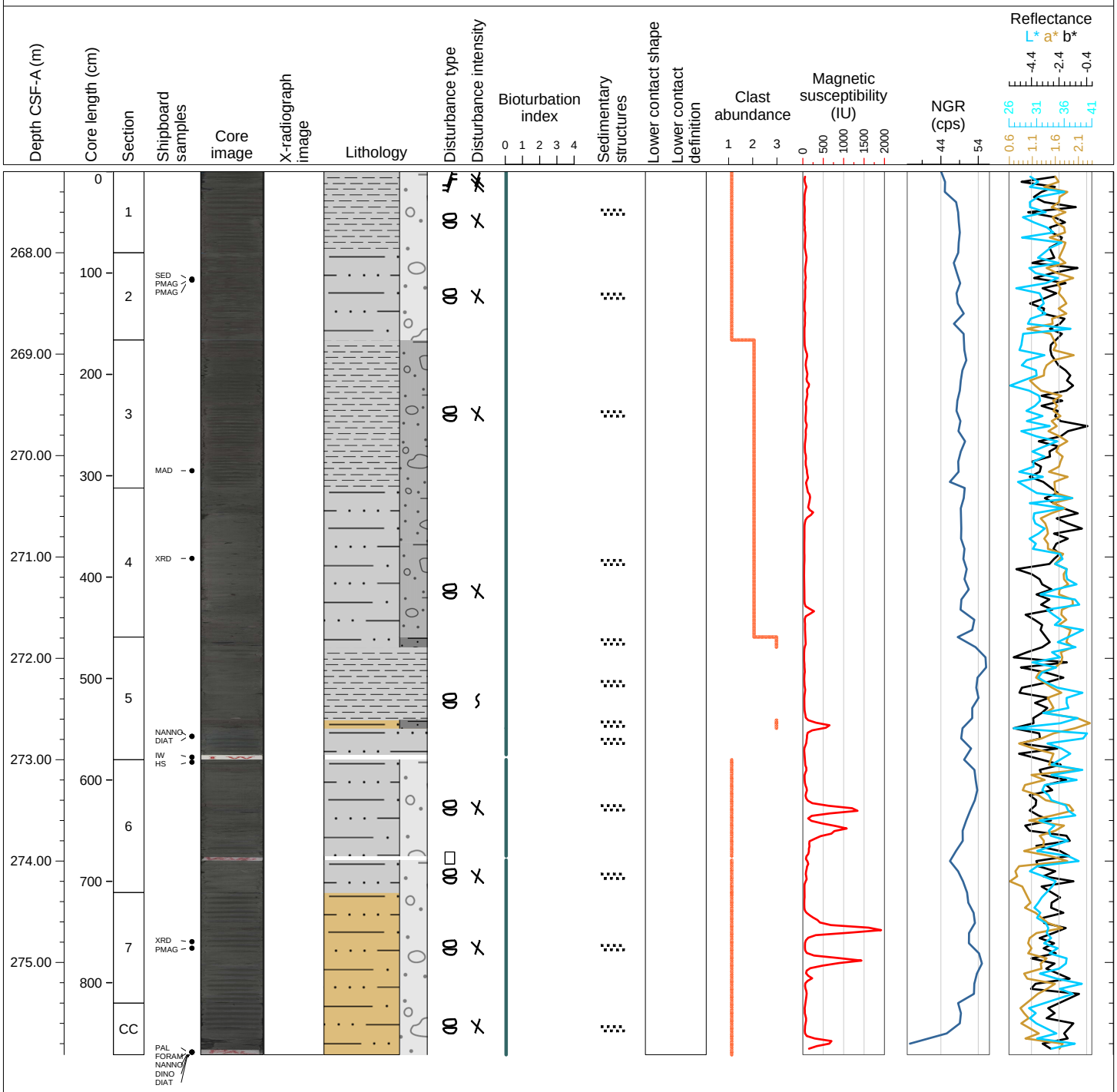
Hole 403-U1618A Core 36X, Interval 257.5-266.7 m (CSF-A)

Primarily silty clay with dispersed to abundant clasts. No apparent bioturbation. Slight to moderate biscuiting throughout.



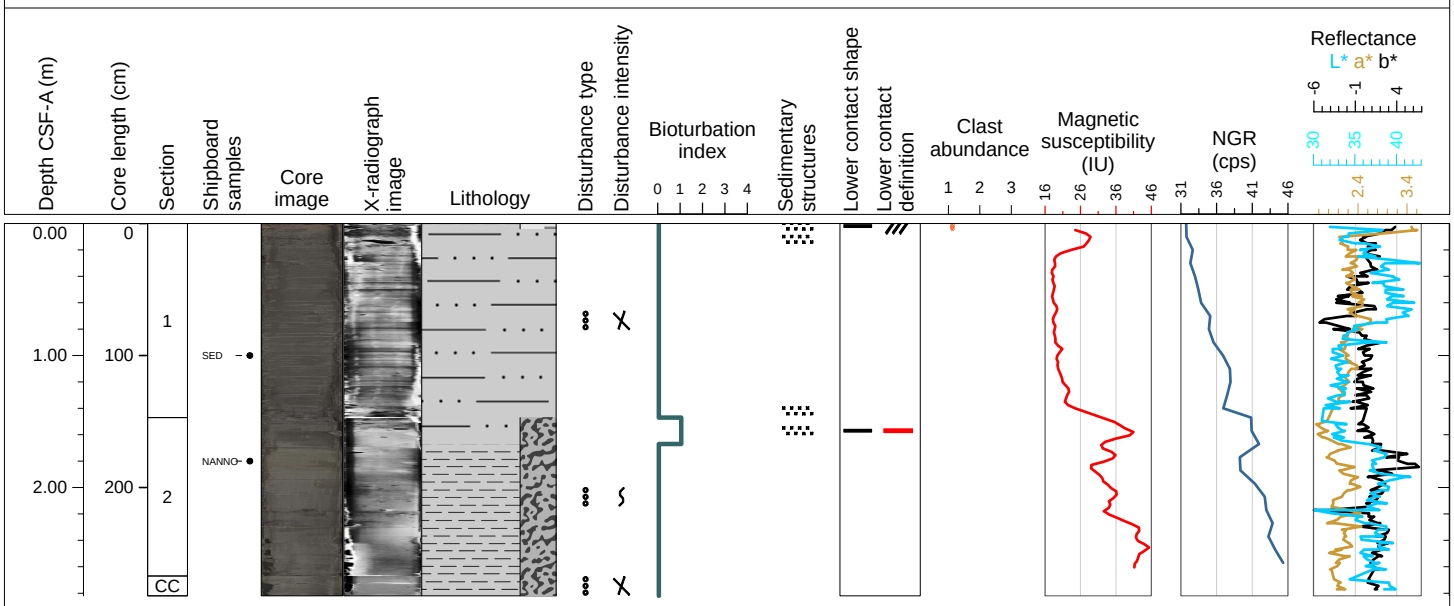
Hole 403-U1618A Core 37X, Interval 267.2-275.91 m (CSF-A)

Silty clay to clayey silt with dispersed to abundant clasts, sediments are structureless and lack bioturbation. Slight to moderate biscuiting throughout.



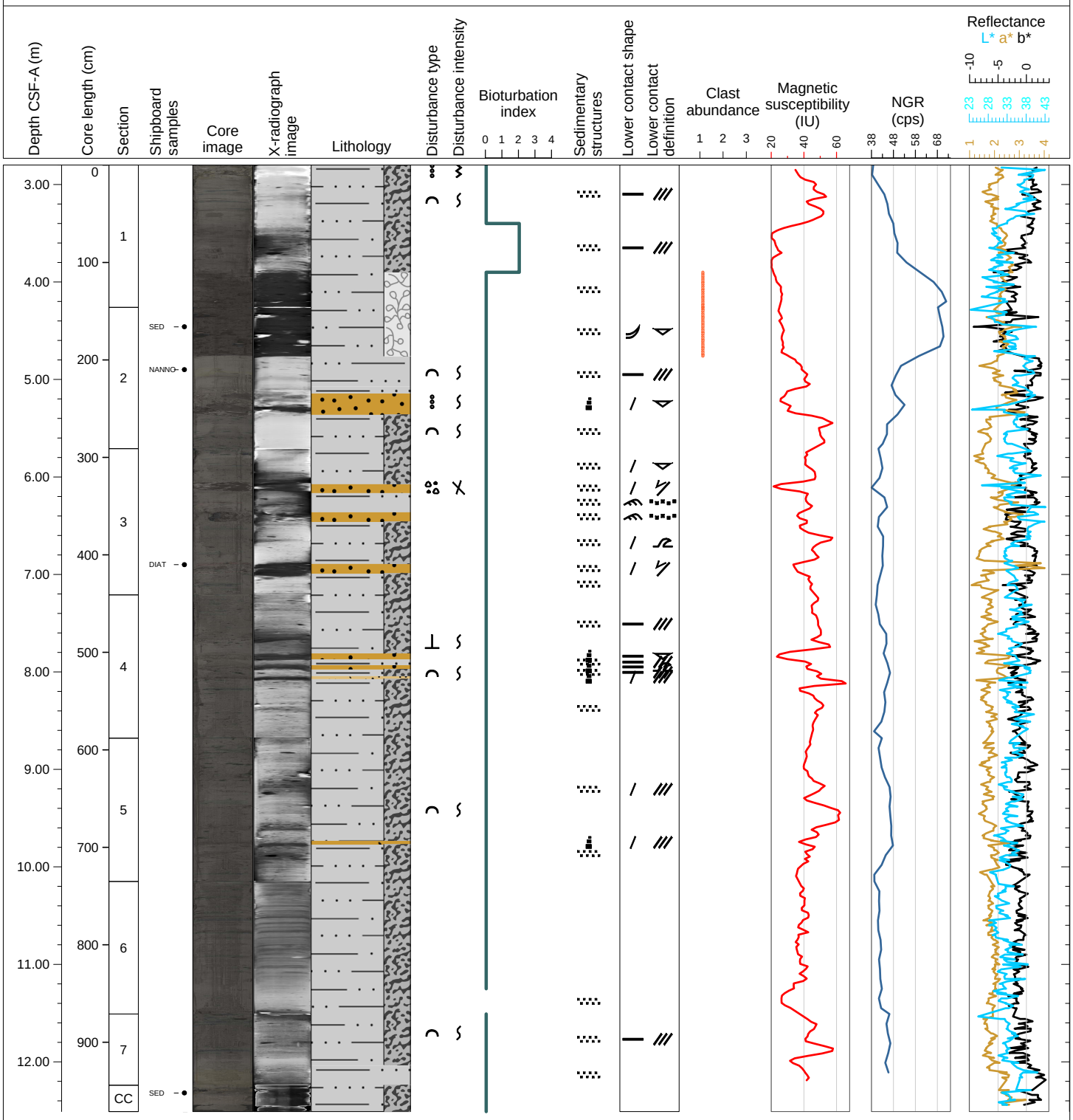
Hole 403-U1618B Core 1H, Interval 0.0-2.82 m (CSF-A)

Intervals of clay and silty clay with occasional dark patches and dispersed clasts. Slight bioturbation in the middle of the core and absent elsewhere. Sediment is slightly to moderately soupy.



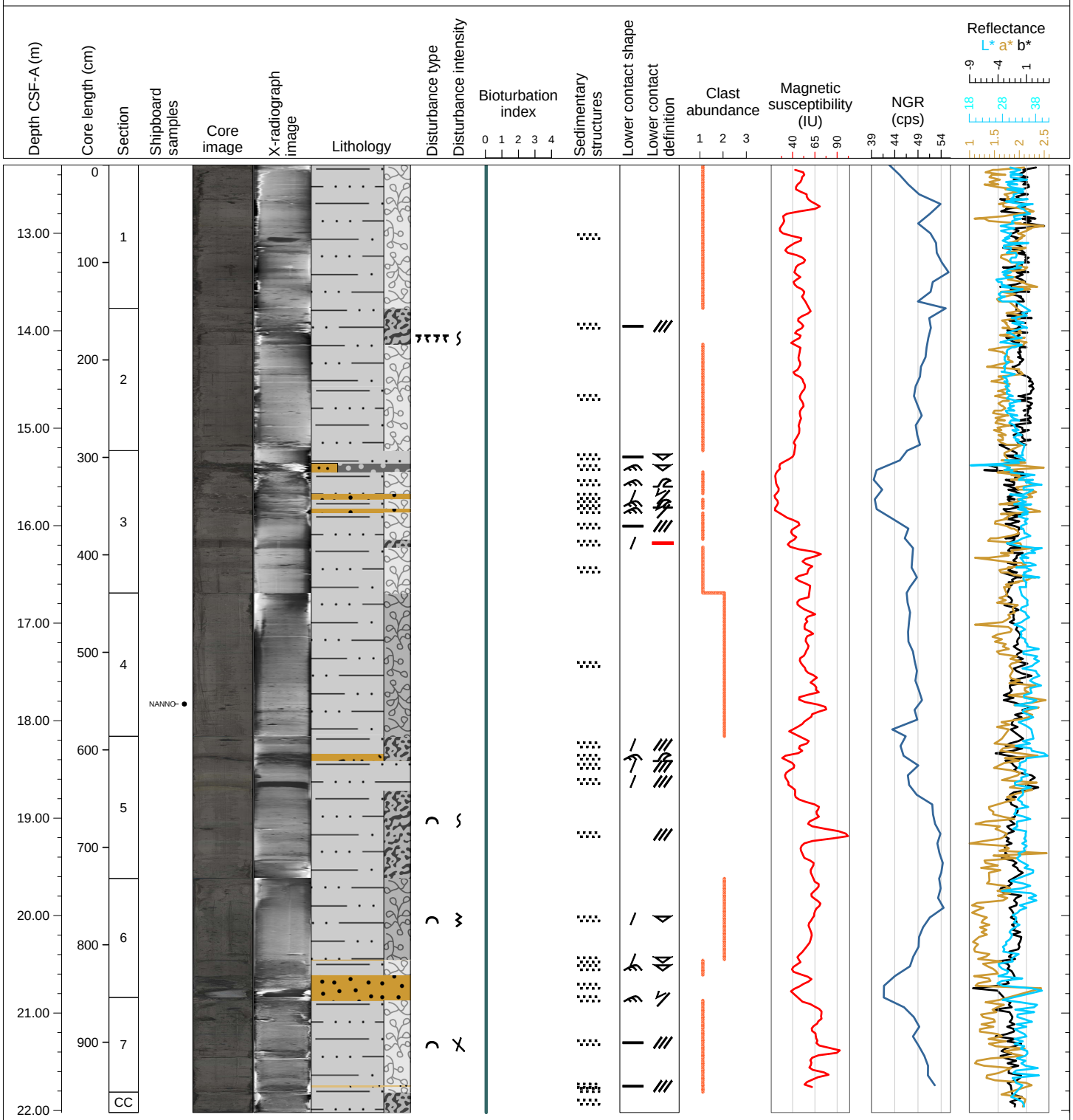
Hole 403-U1618B Core 2H, Interval 2.8-12.51 m (CSF-A)

Silty clay with dark patches and dispersed clasts towards the top of the core and few sand patches. There is no apparent bioturbation and sedimentd are slightly soupy and uparching with some fall-in.



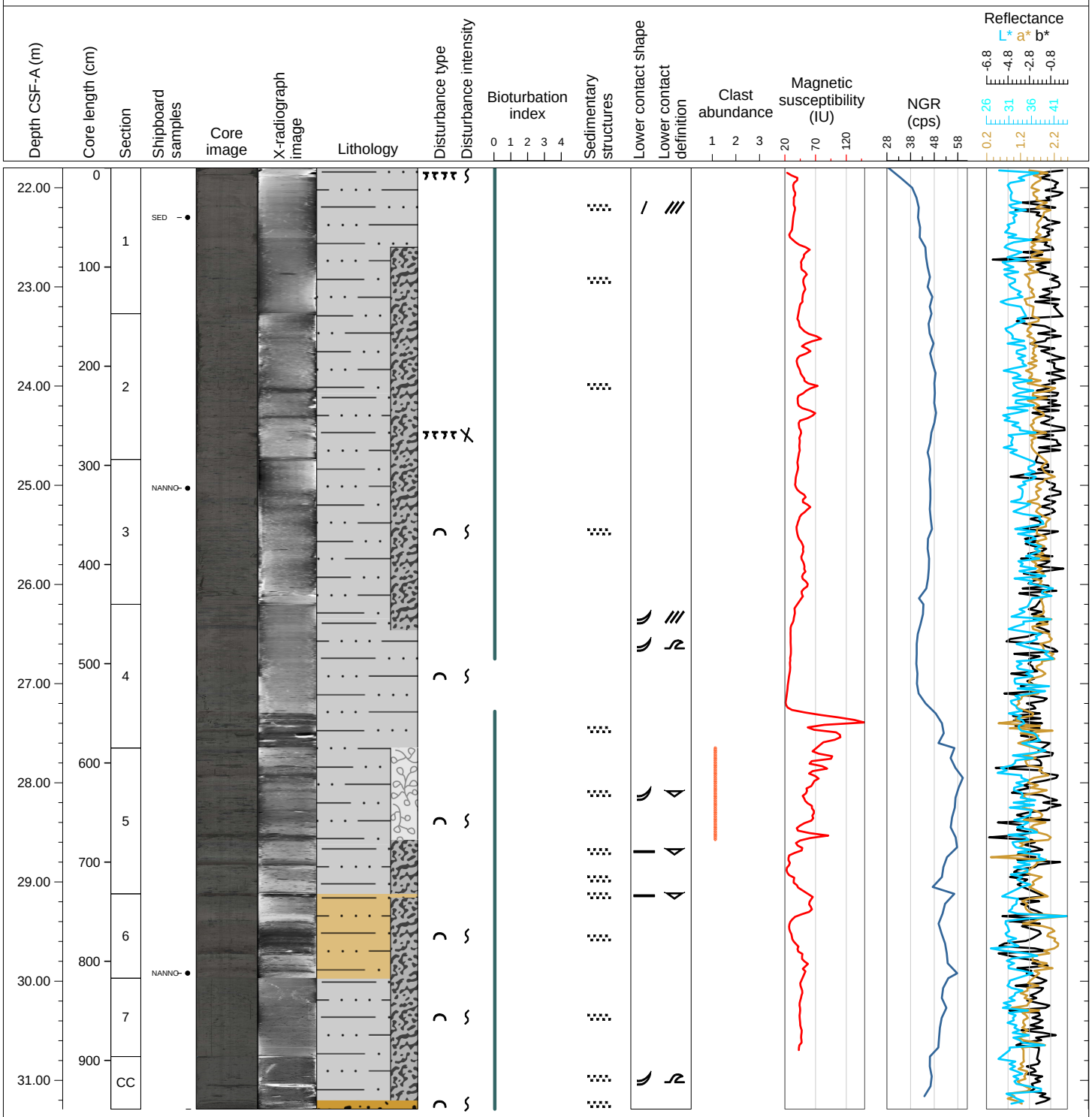
Hole 403-U1618B Core 3H, Interval 12.3-22.02 m (CSF-A)

Sediments are primarily silty clay with dark patches and dispersed clasts, with a sandy gravel interval. There is no apparent bioturbation and slight to strong uparching throughout.



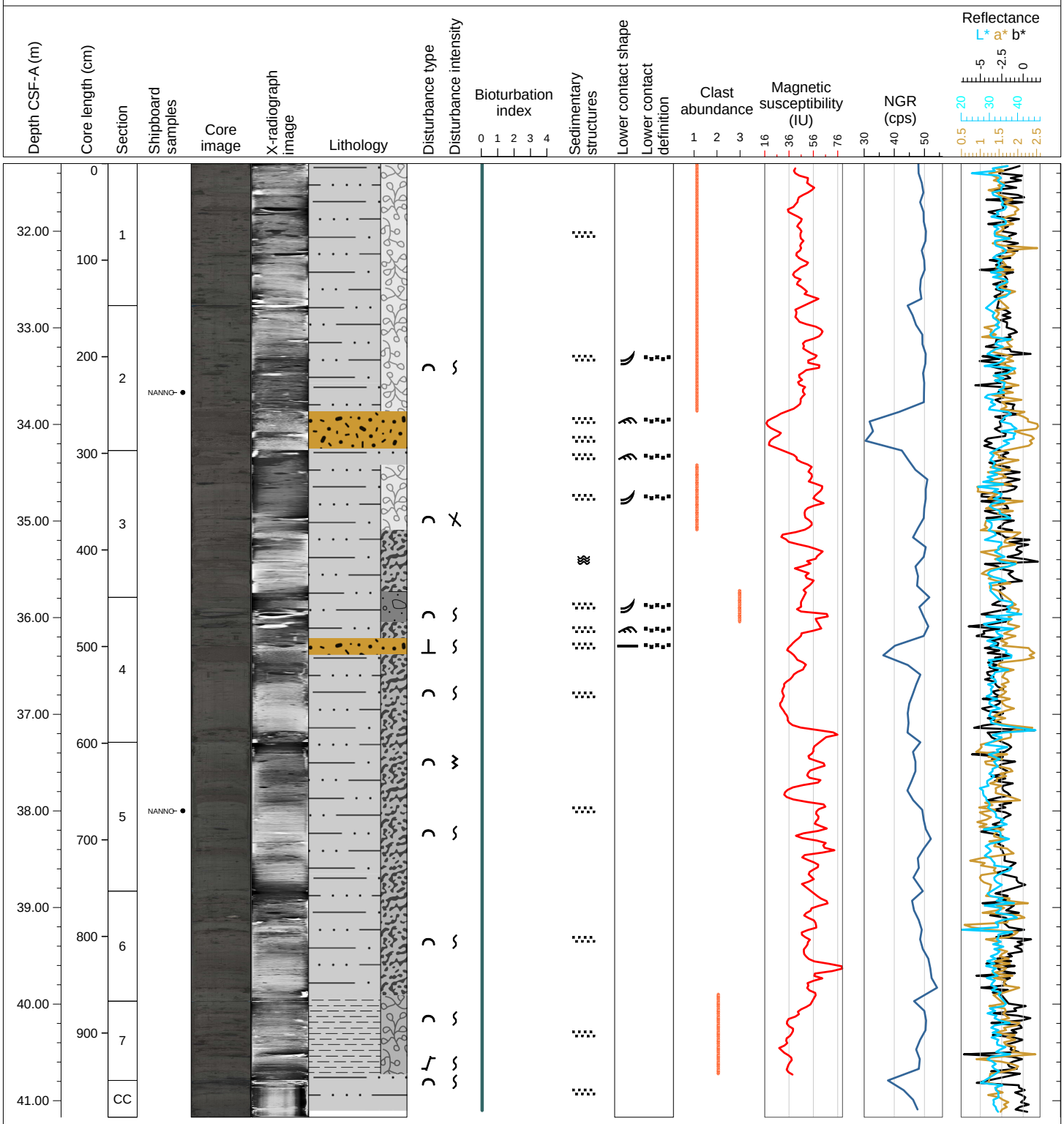
Hole 403-U1618B Core 4H, Interval 21.8-31.29 m (CSF-A)

Lithology varies from silty clay to clayey silt with dark patches and occasional clasts. There is no apparent bioturbation, slight up-arching, and slight to moderate fragmenting from drilling.



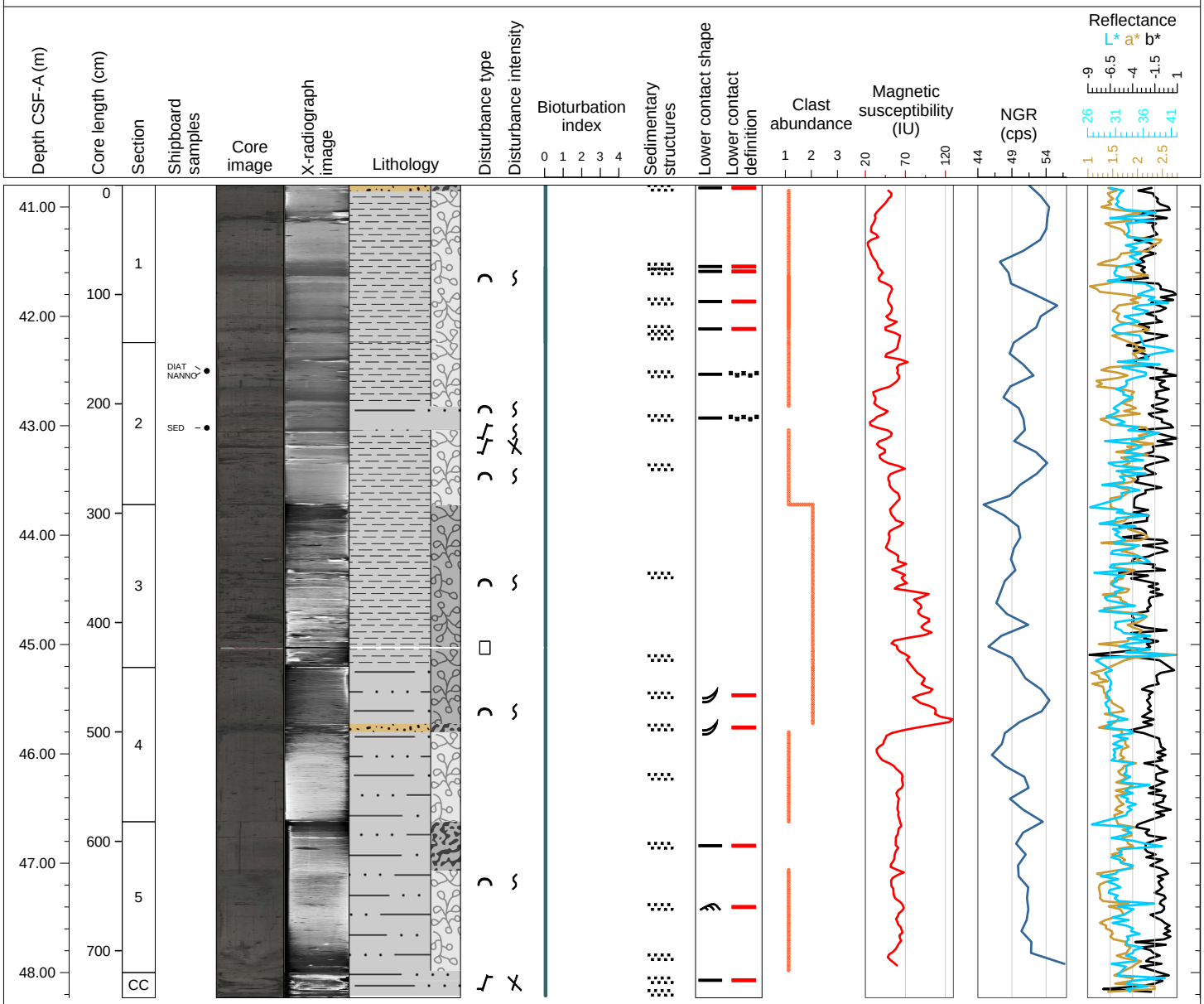
Hole 403-U1618B Core 5H, Interval 31.3-41.17 m (CSF-A)

Upper part mostly dark grey structureless silty clay with dark patches and dispersed clasts. Lower part slightly reddish silty clay with dark patches, common clasts only in the lowermost intervals. No apparent bioturbation.Slight to moderate up-arching th



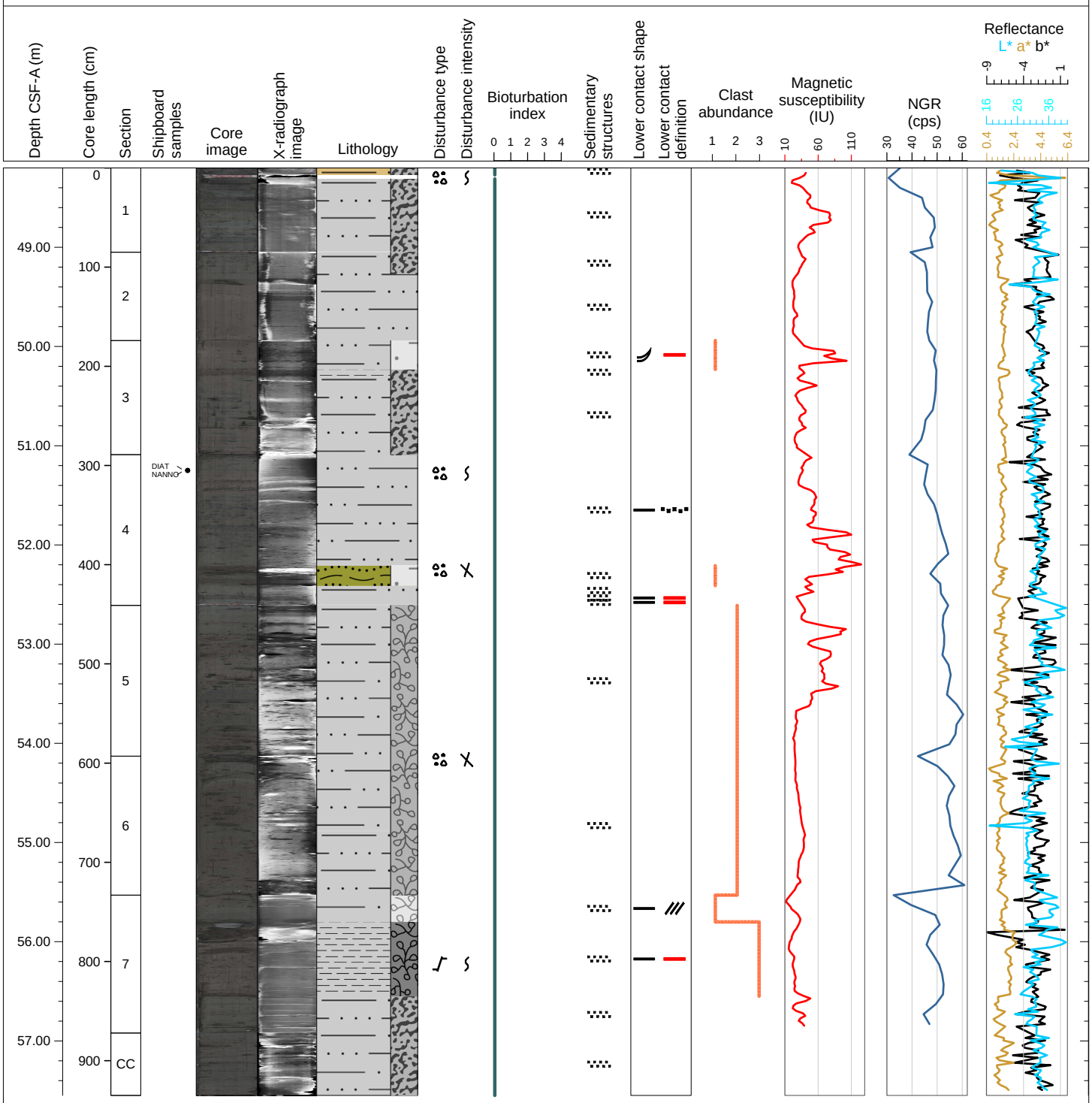
Hole 403-U1618B Core 6H, Interval 40.8-48.23 m (CSF-A)

Dark grey structureless silty clay with dark, either with sand or dark patches or with dark patches and dispersed to abundant clasts. Single clasts of 1-4 cm. No apparent bioturbation. Slight up-arching and fracturing.



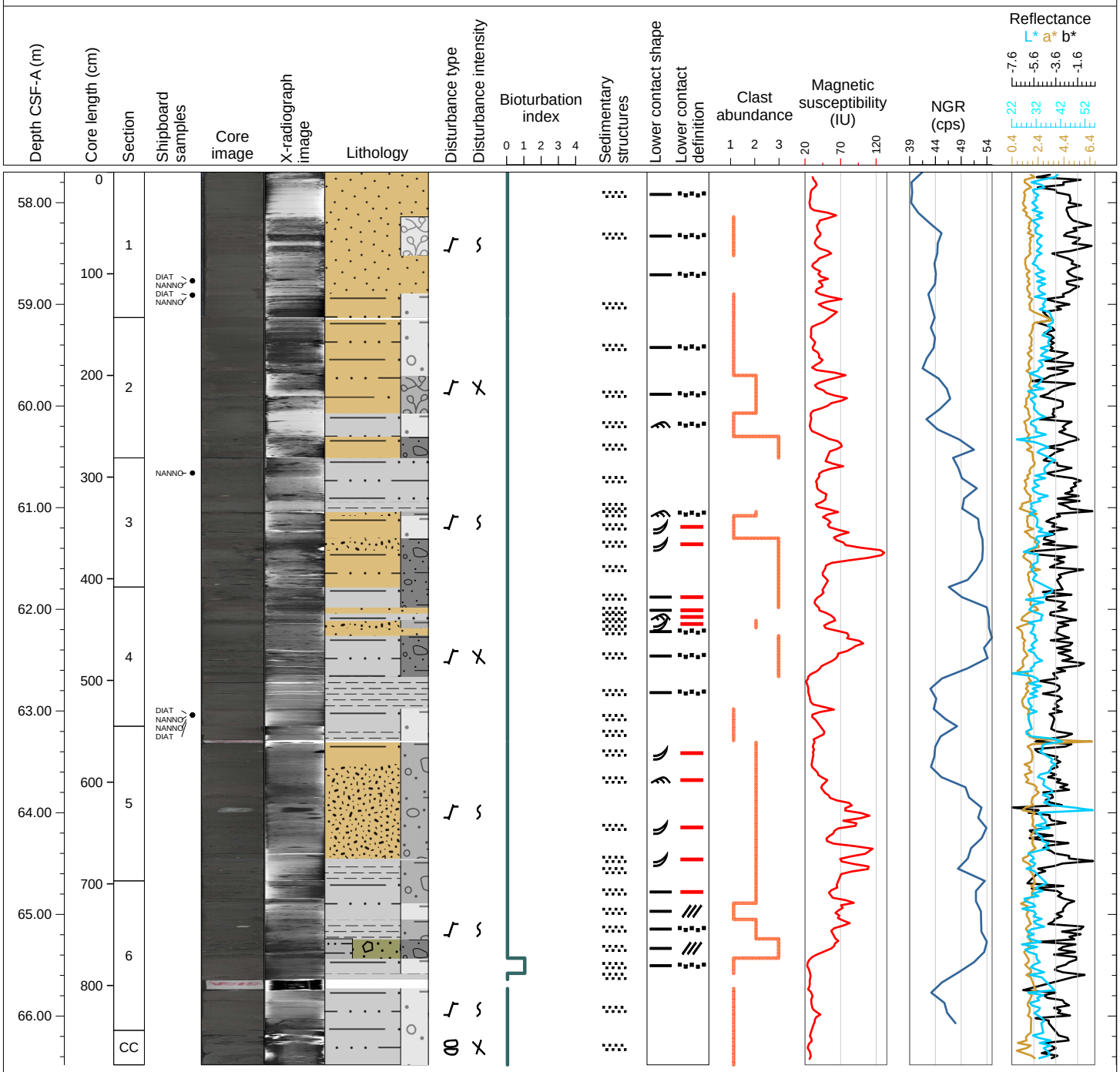
Hole 403-U1618B Core 7H, Interval 48.2-57.55 m (CSF-A)

Mostly dark grey structureless silty clay with dark patches, some intervals with dispersed to abundant clasts. No apparent bioturbation. Some intervals are slightly to moderately disturbed by gas expansion.



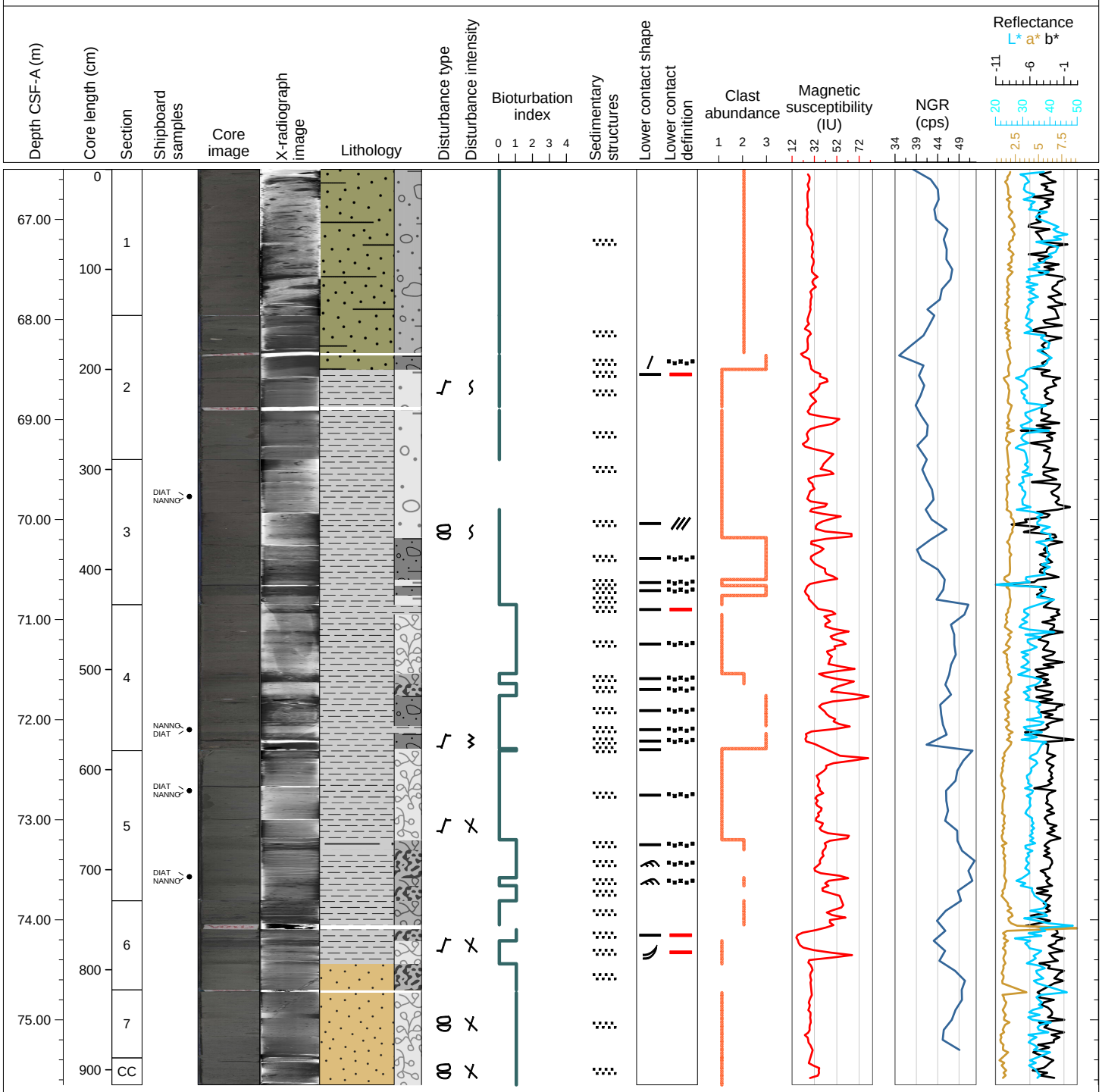
Hole 403-U1618B Core 8H, Interval 57.7-66.48 m (CSF-A)

Mostly dark grey structureless sandy silt with common clasts, but some intervals without clasts. Some layers slightly reddish. No apparent bioturbation. Lowermost part contains a 2 cm thick soft clay layer and semi-lithified clasts in random direction, po



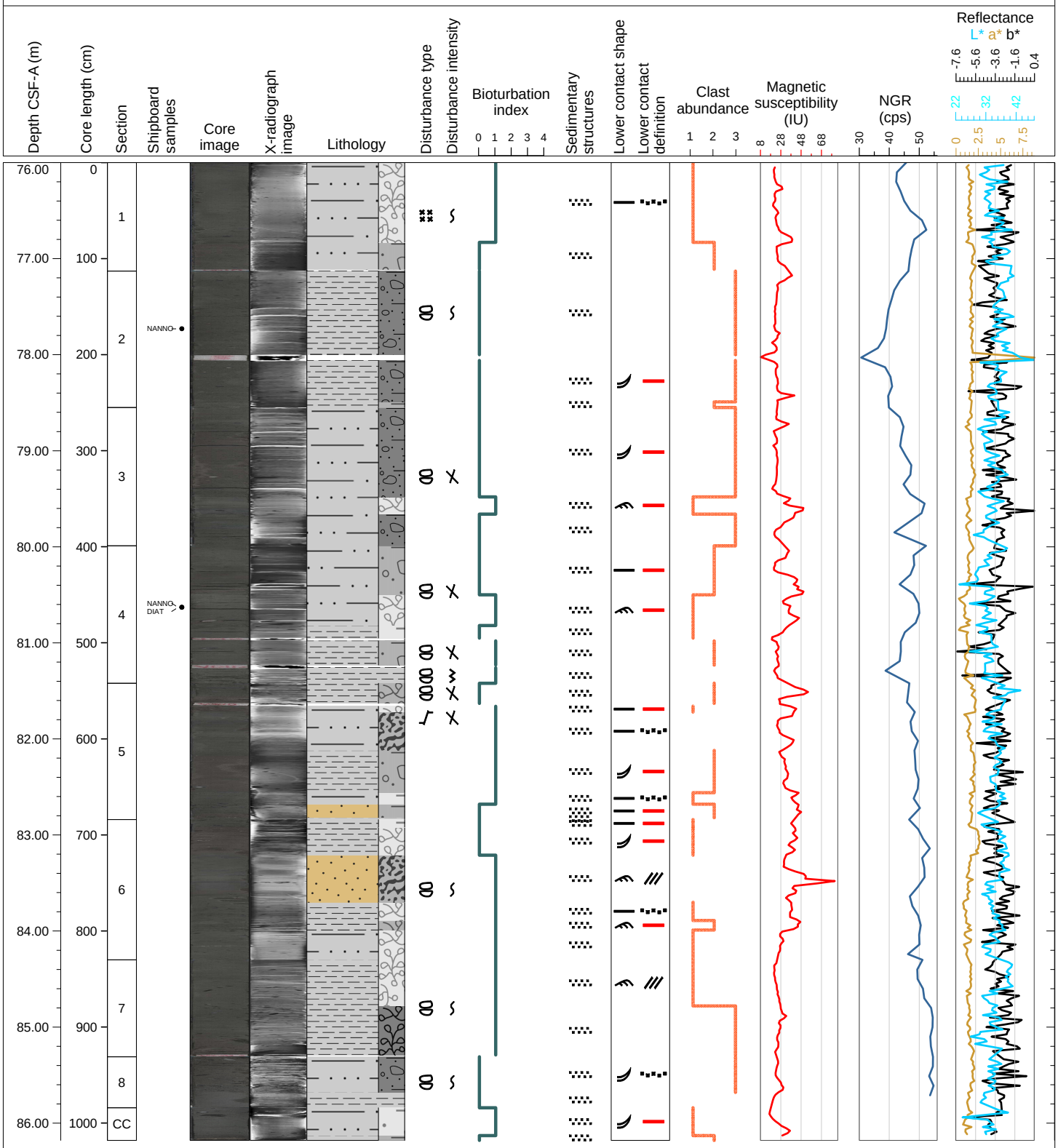
Hole 403-U1618B Core 9H, Interval 66.5-75.65 m (CSF-A)

Upper part dark grey structureless sandy mud with common clasts, possibly lowermost part of a mass-transport deposit. Lower part clay to silt with dark patches and dispersed to abundant clasts. No to slight bioturbation. Slight to moderate fracturing and



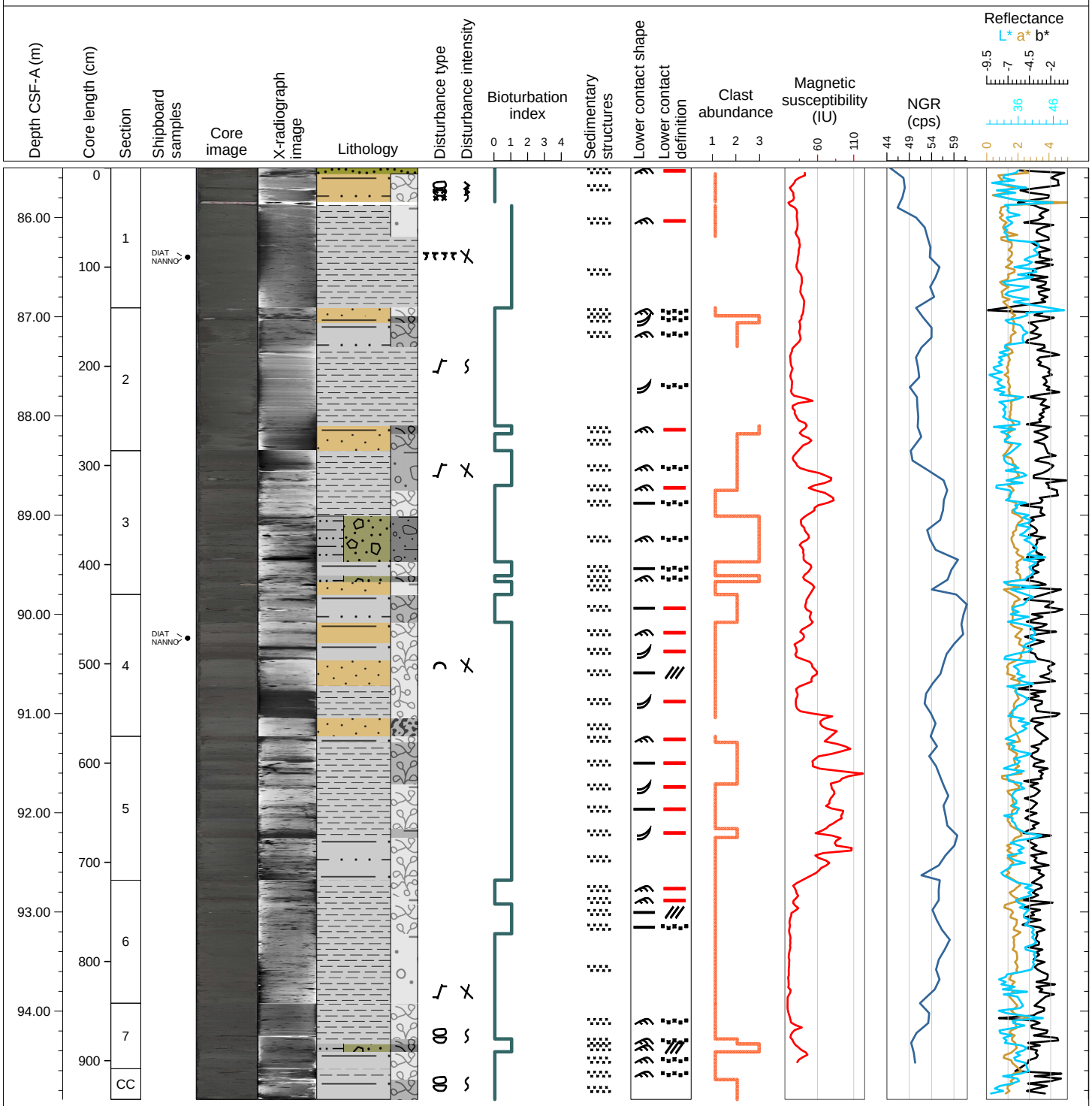
Hole 403-U1618B Core 10H, Interval 76.0-86.18 m (CSF-A)

Dark greyish structureless clay to silty clay with common to abundant clasts, partly with dark patches. Some reddish intervals. No to slight bioturbation. Slight to moderate biscuiting throughout.



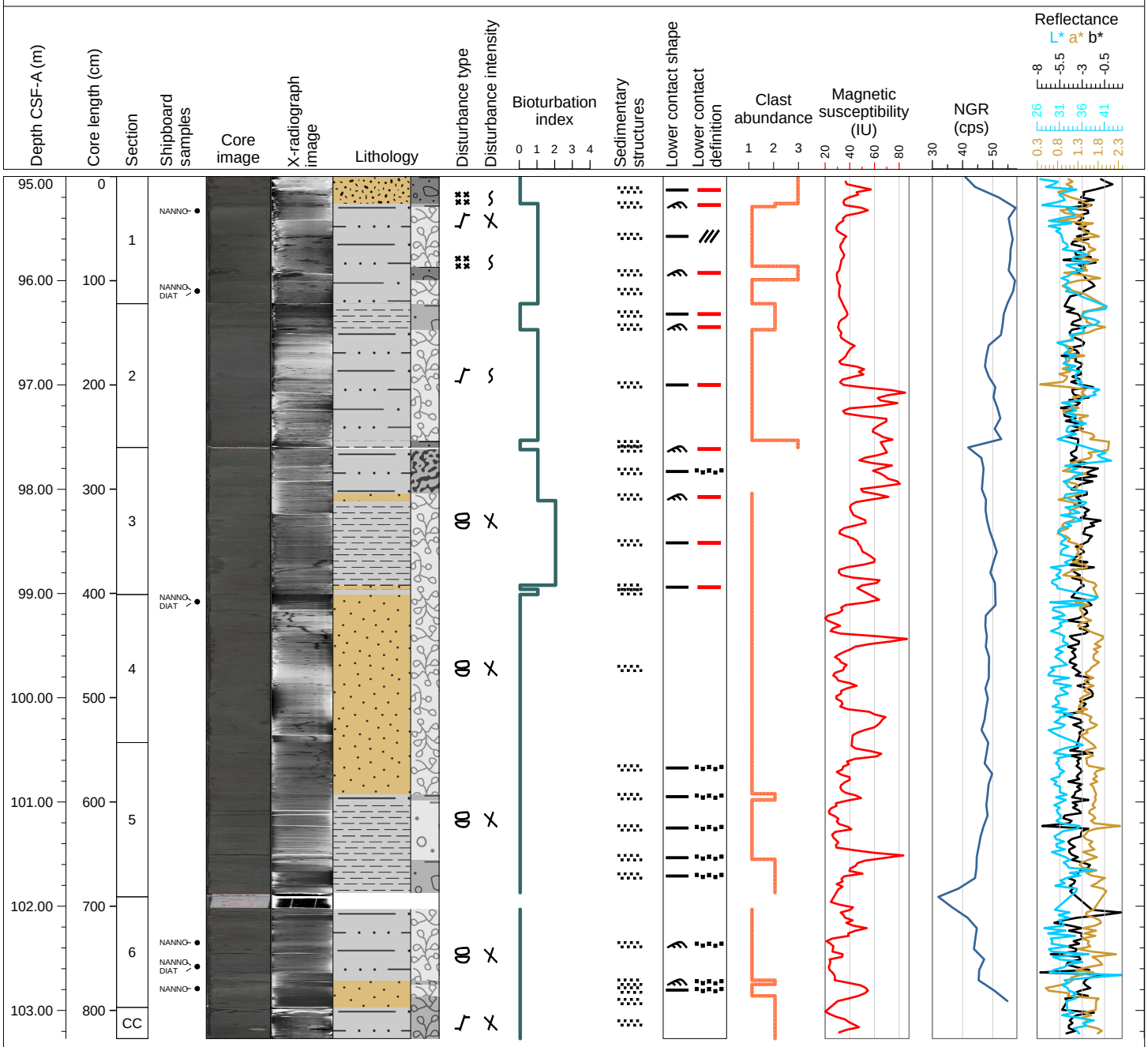
Hole 403-U1618B Core 11H, Interval 85.5-94.89 m (CSF-A)

Dark grey structureless clay to silty clay with dark patches and dispersed to common clasts. Some slightly reddish intervals. One clayey interval faintly laminated. No to slight bioturbation. Slightly to moderately disturbed by different kinds of drilling



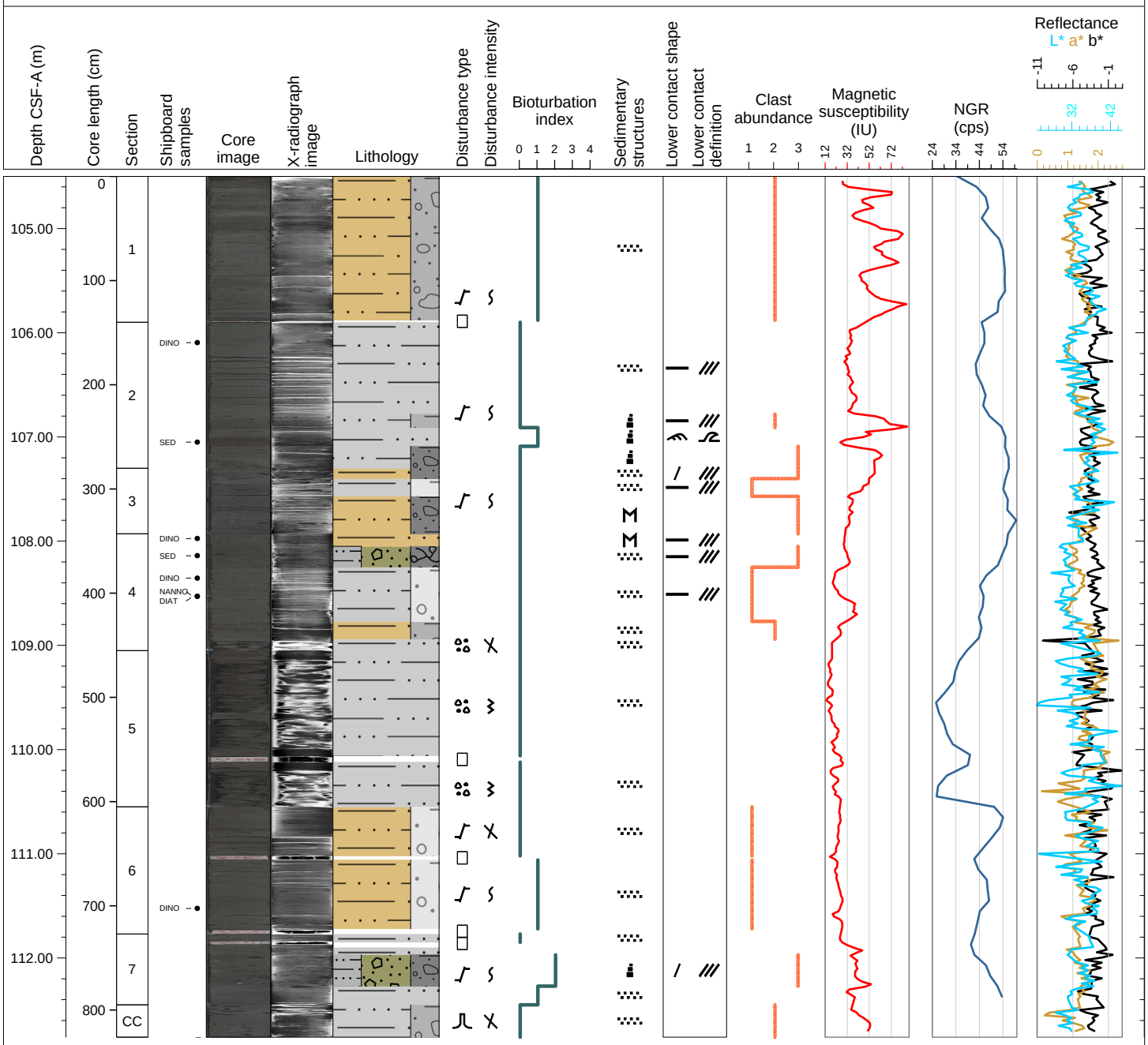
Hole 403-U1618B Core 12H, Interval 95.0-103.27 m (CSF-A)

Dark grey structureless clay to silty clay with dark patches and dispersed to common clasts. Some reddish intervals. No to slight bioturbation. Section 1 with along-core contamination, moderate biscuiting below.



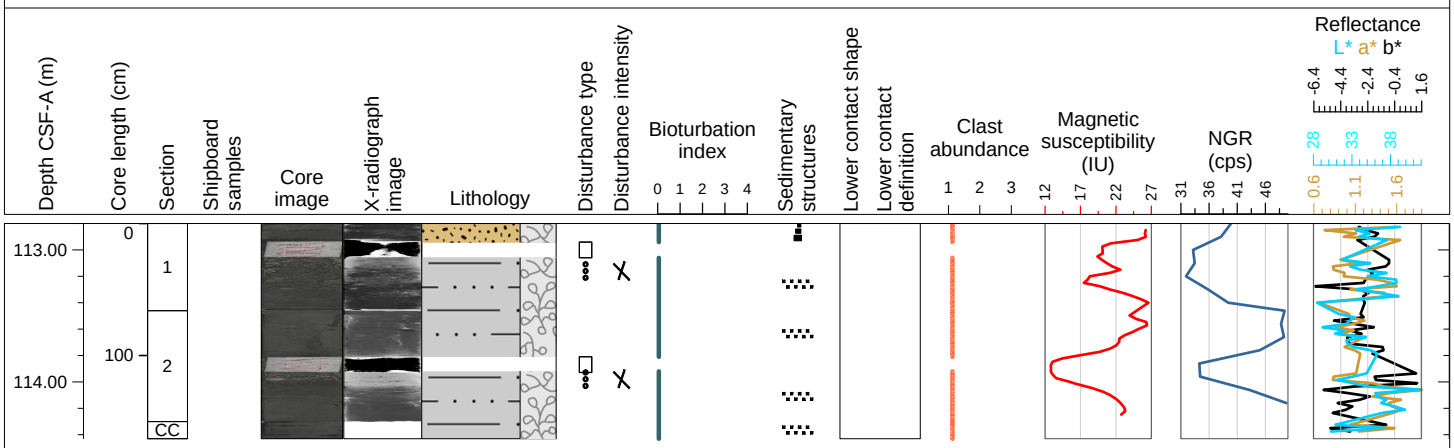
Hole 403-U1618B Core 13H, Interval 104.5-112.76 m (CSF-A)

Intervals of silty clay and clayey silt with dispersed clasts throughout and few intervals of abundant clasts. Bioturbation increases downcore and there is evident fracturing and mixing of sediment due to drilling disturbance.



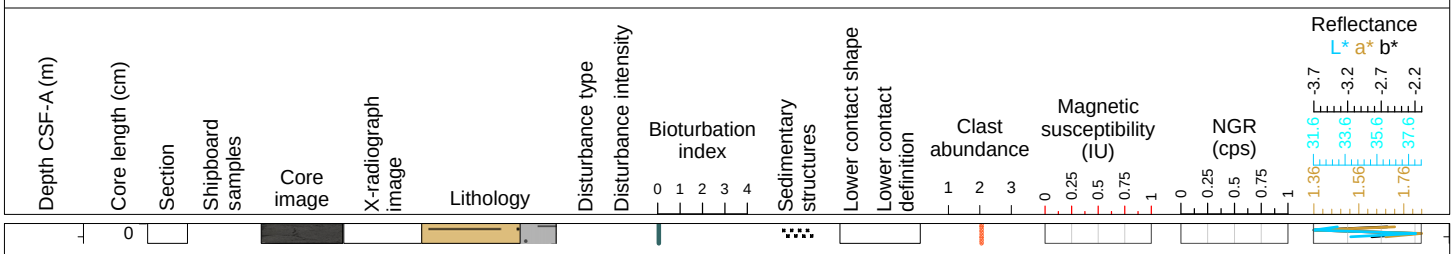
Hole 403-U1618B Core 14F, Interval 112.8-114.43 m (CSF-A)

Primarily silty clay underlying a layer of normally-graded sandy silt with dark patches and dispersed clasts throughout the core. There is no apparent bioturbation and drilling disturbance is evident in two moderately soupy intervals.



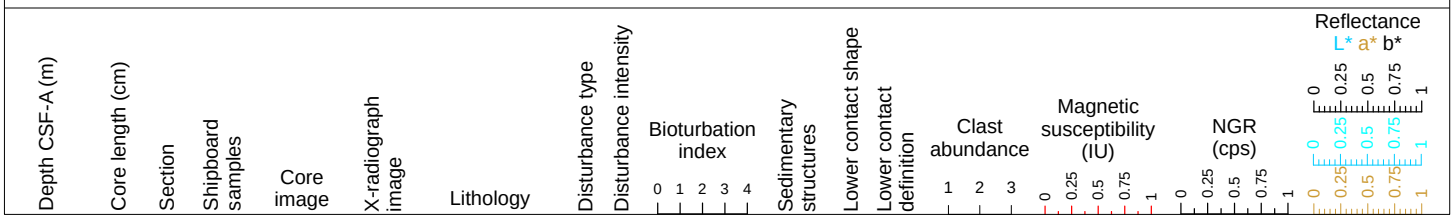
Hole 403-U1618B Core 15H, Interval 117.5-117.65 m (CSF-A)

Recovered material only consists of a 15-cm long core catcher with structureless clayey silt and common clasts with no apparent bioturbation.



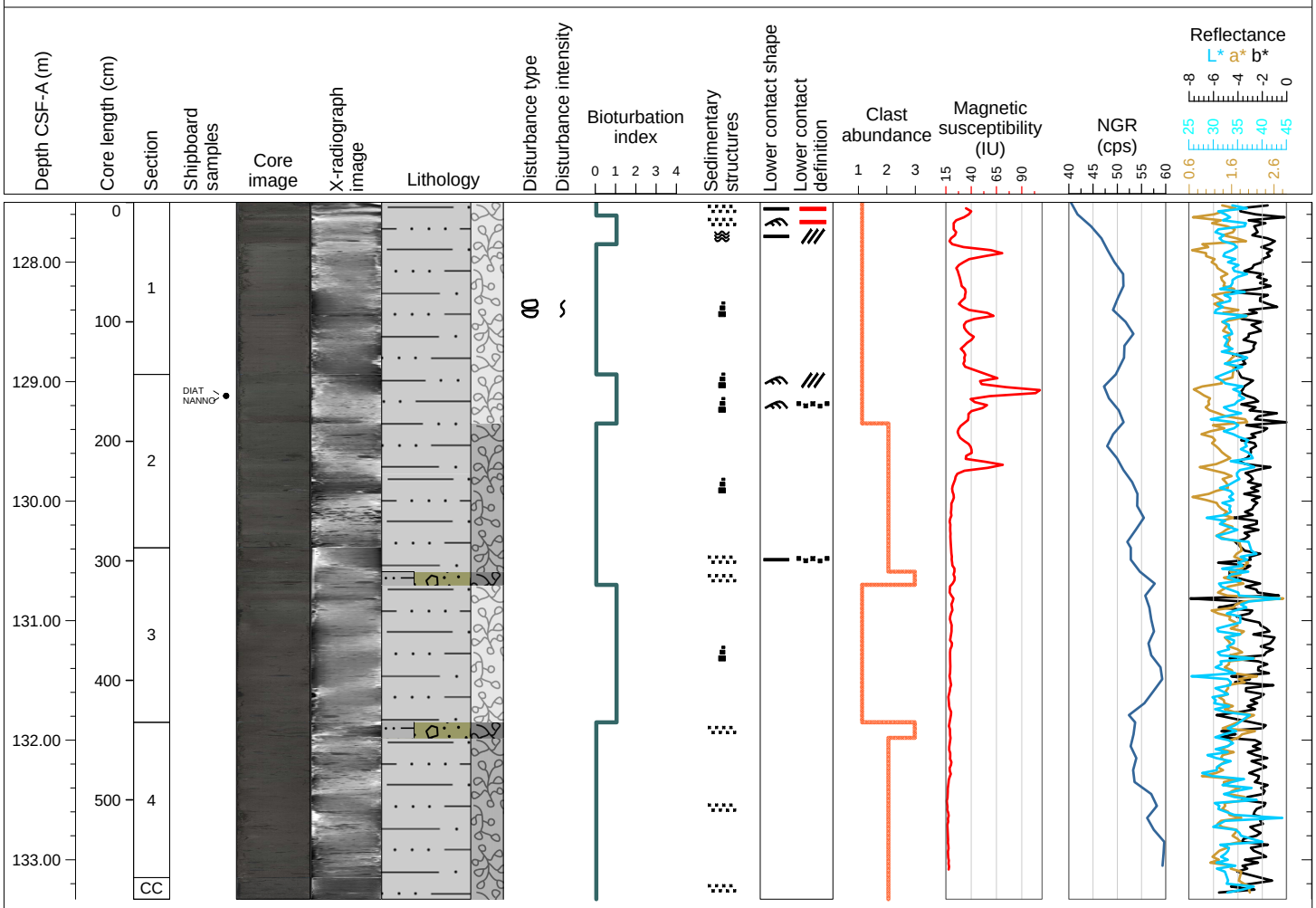
Hole 403-U1618B Core 16X, Interval 117.7-117.76 m (CSF-A)

Recovered material only includes a 6-cm long core catcher with little to no material and too mixed to determine any structural characteristics. The small amount that is present consists of silty clay with no apparent bioturbation.



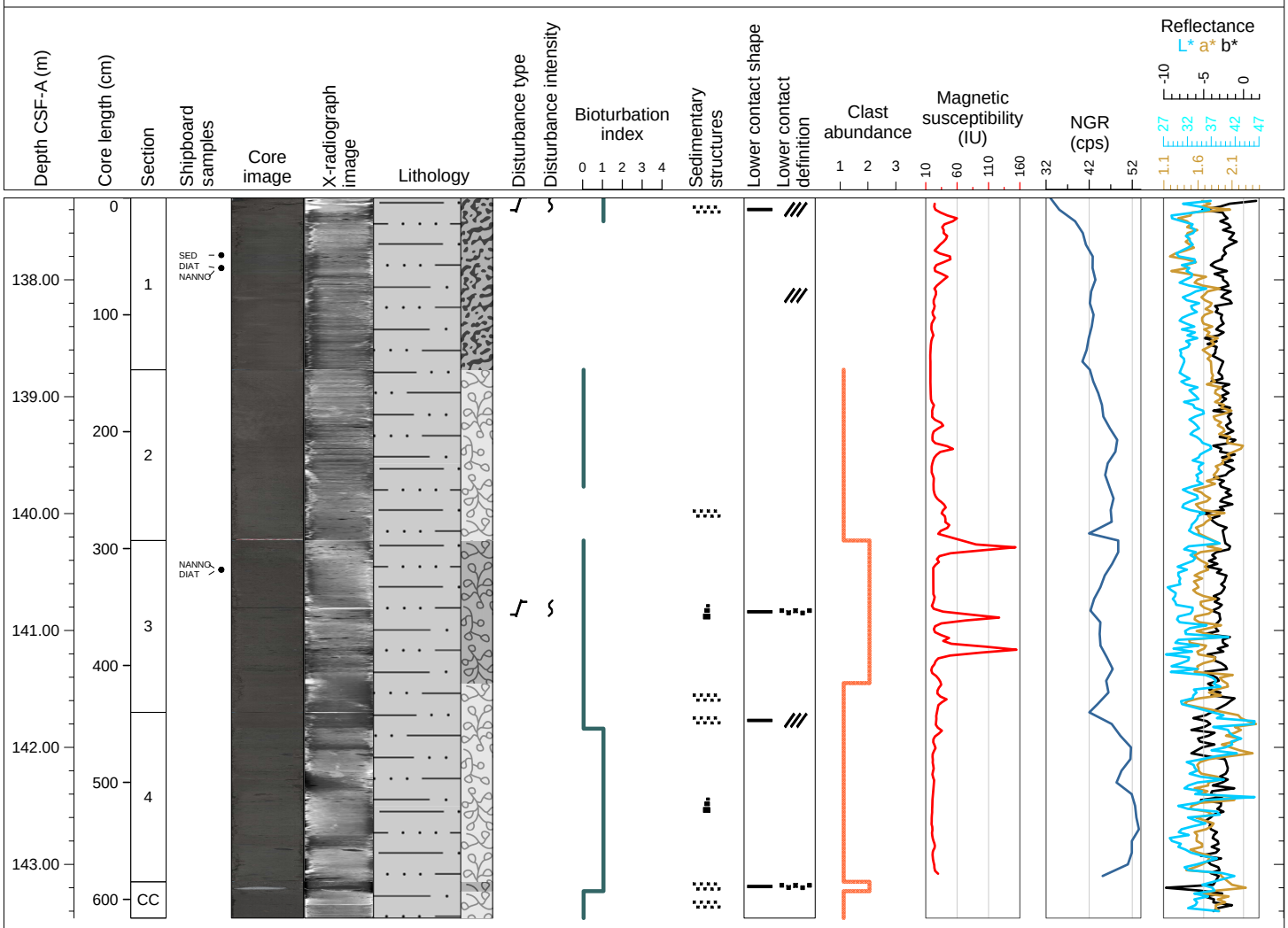
Hole 403-U1618B Core 17X, Interval 127.5-133.33 m (CSF-A)

Composed of silty clay with dark patches and dispersed to common clasts throughout. There are large clasts found throughout the core at 0-3cm and 94-95cm in Section 1, 67-69cm and 96-98cm in Section 2, 4cm, 8-9cm, 27-18cm, 105cm, and 138-140cm in Section



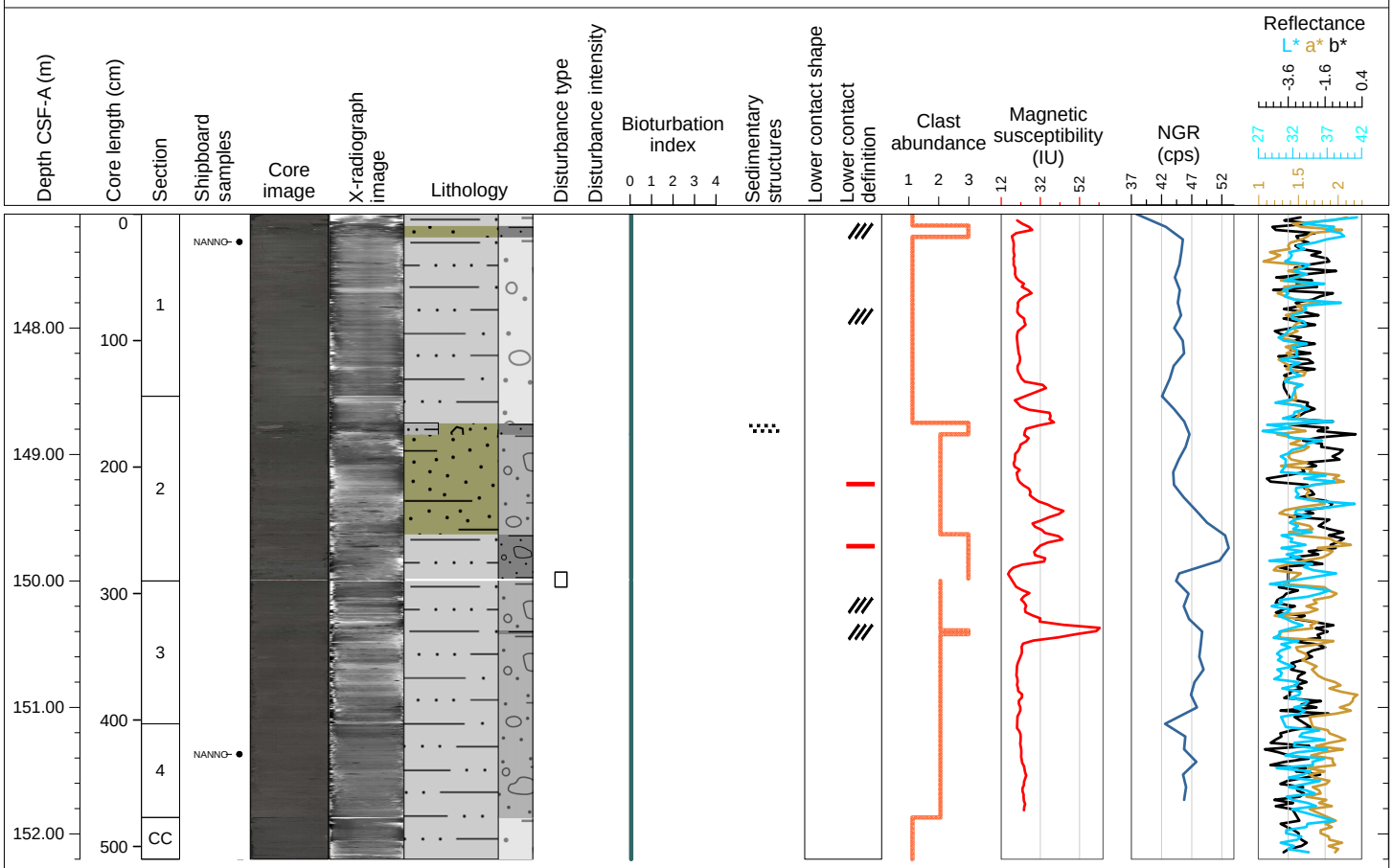
Hole 403-U1618B Core 18X, Interval 137.3-143.46 m (CSF-A)

Composed of silty clay with dark patches and dispersed to common clasts throughout. Few intervals show multiple normal grading and the core has absent to slight bioturbation. There are a few slight fractures from drilling disturbance.



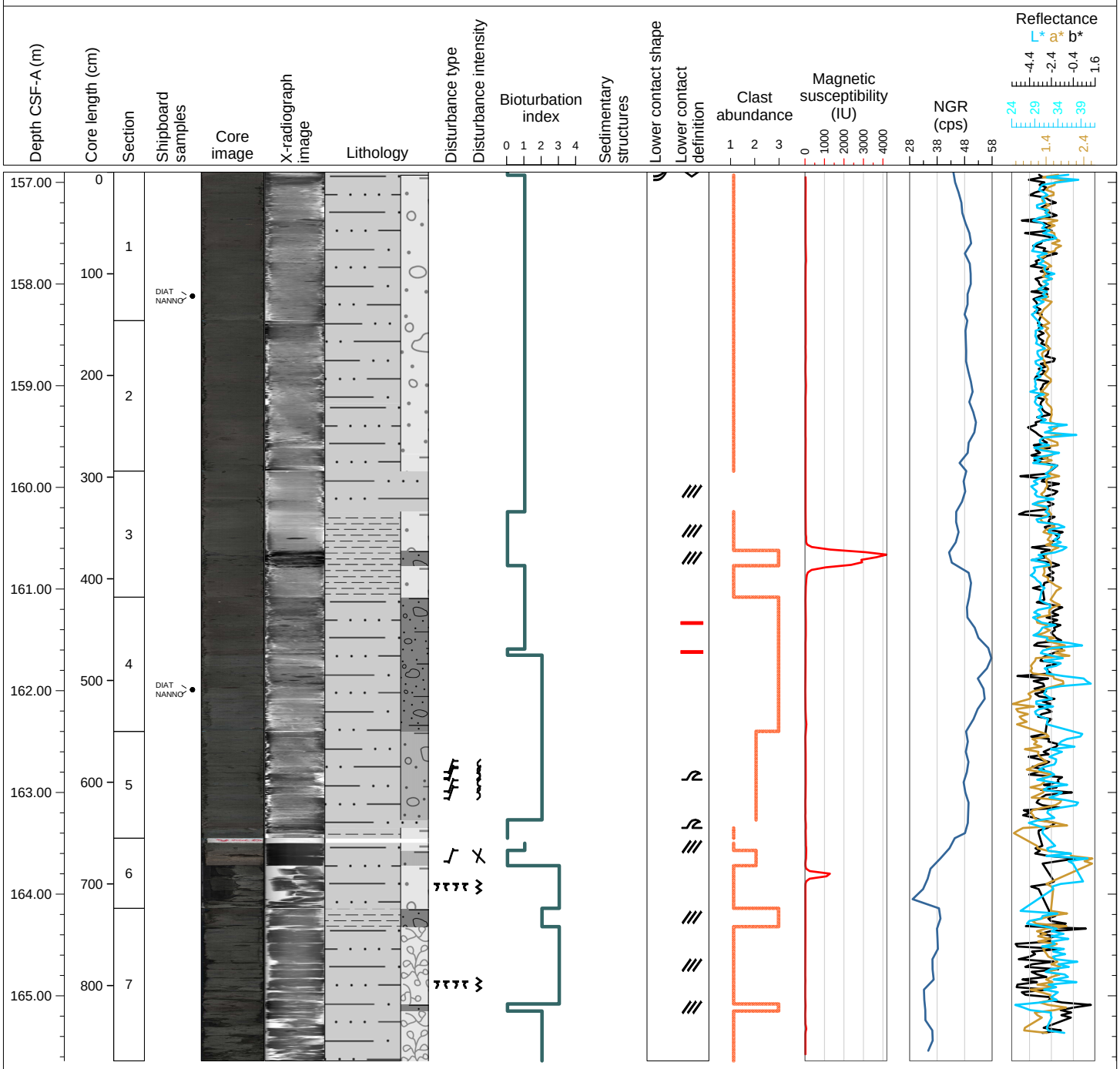
Hole 403-U1618B Core 19X, Interval 147.1-152.2 m (CSF-A)

Intervals of silty clay and sandy mud with dispersed to abundant clasts throughout. There is a 1cm clast at 73cm in Section 1. There is no apparent bioturbation.



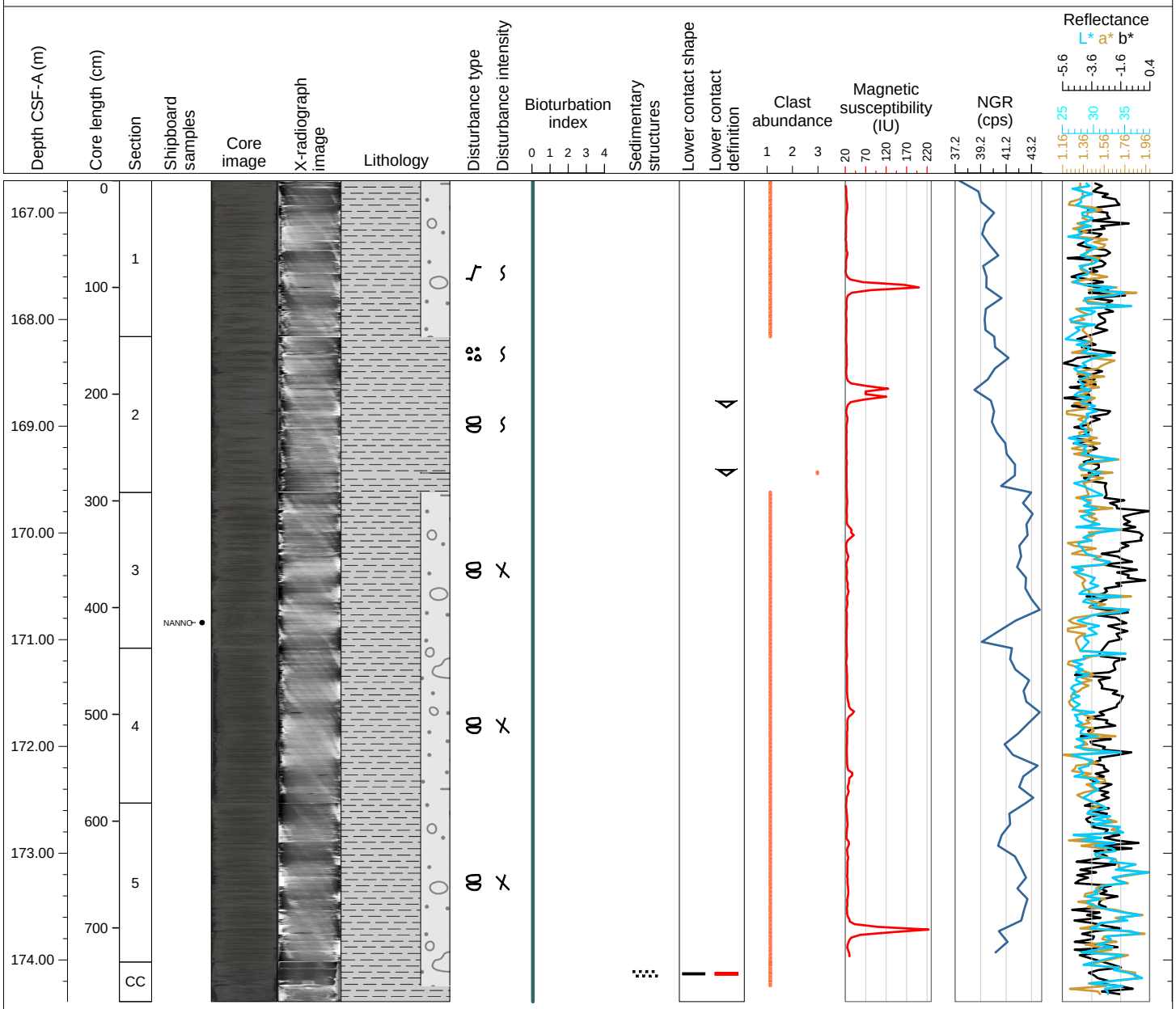
Hole 403-U1618B Core 20X, Interval 156.9-165.64 m (CSF-A)

Alternating intervals of silty clay and clay with dispersed to abundant clasts. Bioturbation varies throughout the core from heavy at the bottom, to absent or slight in the middle, back to heavy at the top. Sediments are fractured throughout due to drilli



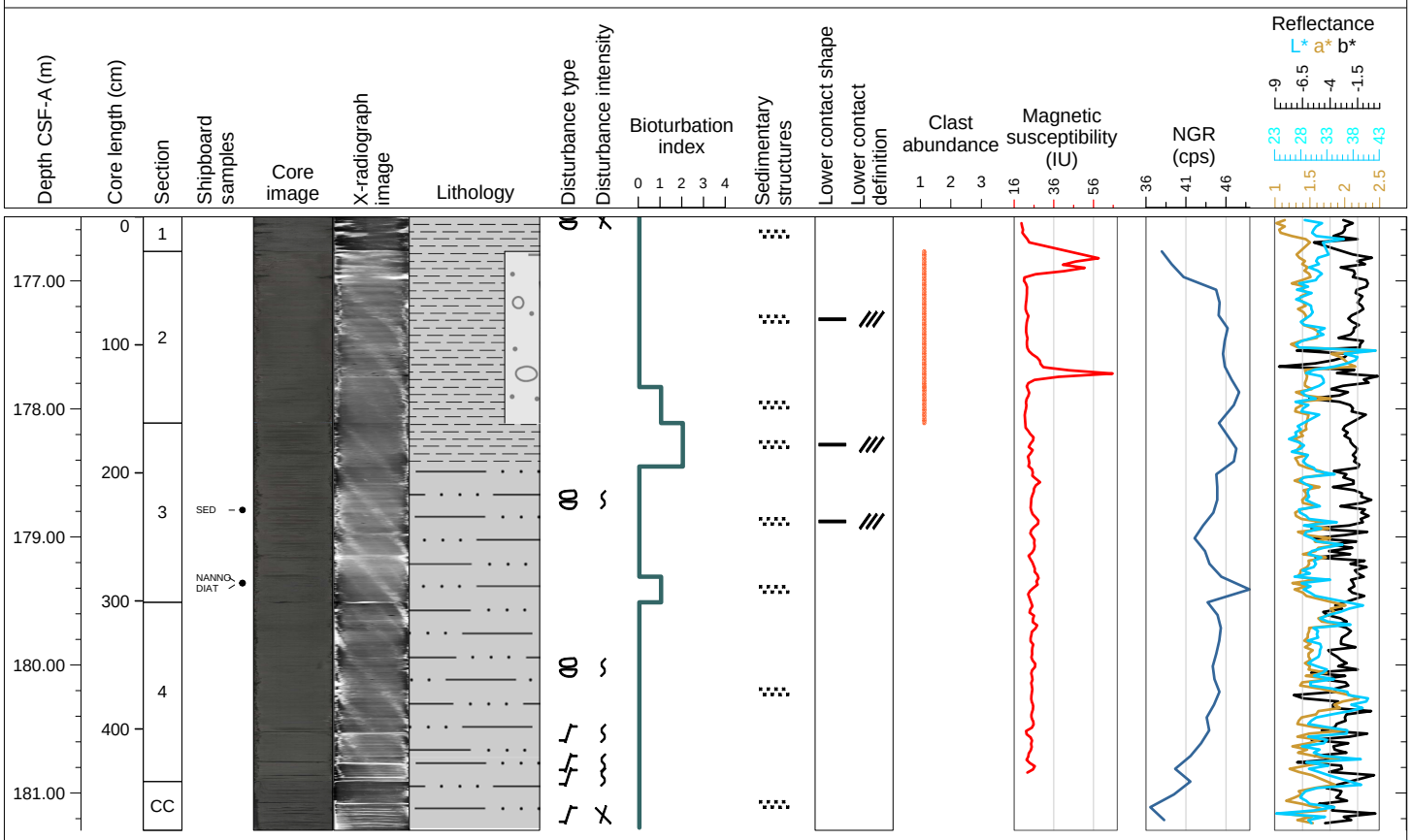
Hole 403-U1618B Core 21X, Interval 166.7-174.39 m (CSF-A)

Primarily clay with dispersed clasts and a thin silty clay interval with abundant clasts. There is no apparently bioturbation. Sections 2, 3, 4, and 5 are slightly to moderately biscuited.



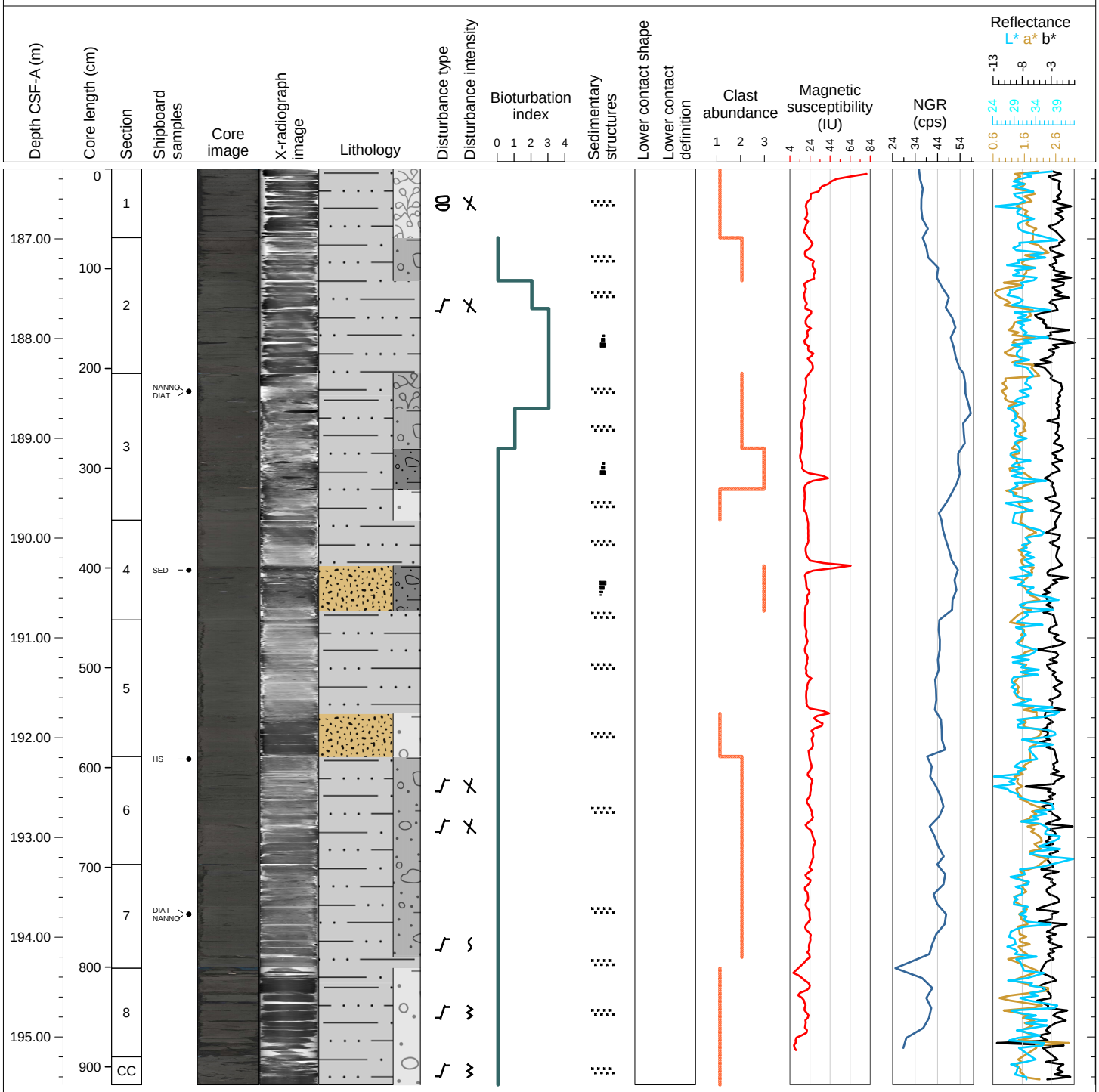
Hole 403-U1618B Core 22X, Interval 176.5-181.29 m (CSF-A)

Transition from silty clay to clay from core bottom to top, increasing clasts throughout. Sediments are structureless with absent to slight bioturbation and slight to moderate biscuiting and fracturing is present.



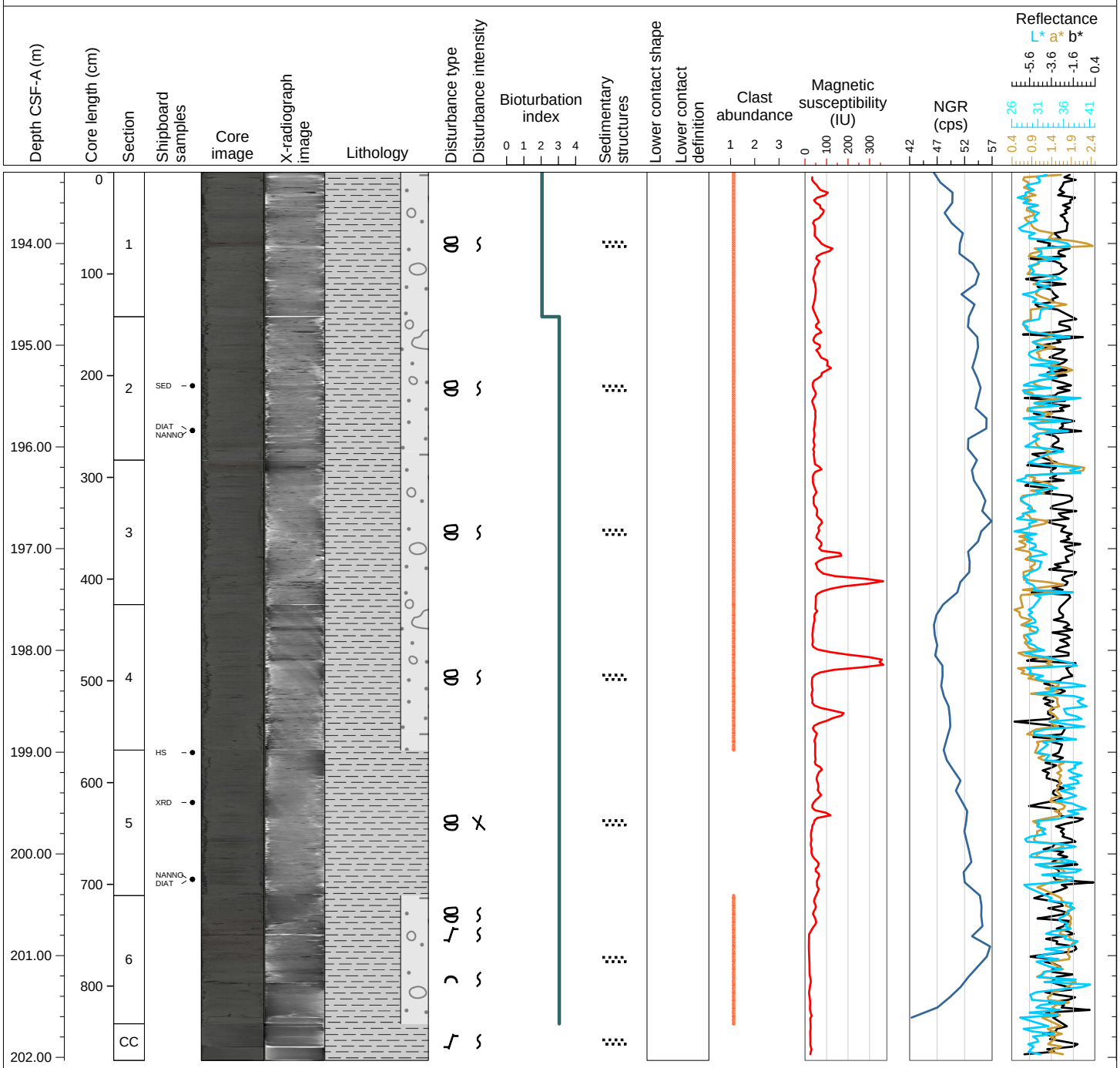
Hole 403-U1618B Core 23X, Interval 186.3-195.48 m (CSF-A)

Core 23 marks a transition from clay to silty clay with few sandy silt intervals and dispersed to common clasts throughout. Abundant clasts mid-core and increasing bioturbation up-core. Sediments are moderately fractures and biscuiting with strong fractur



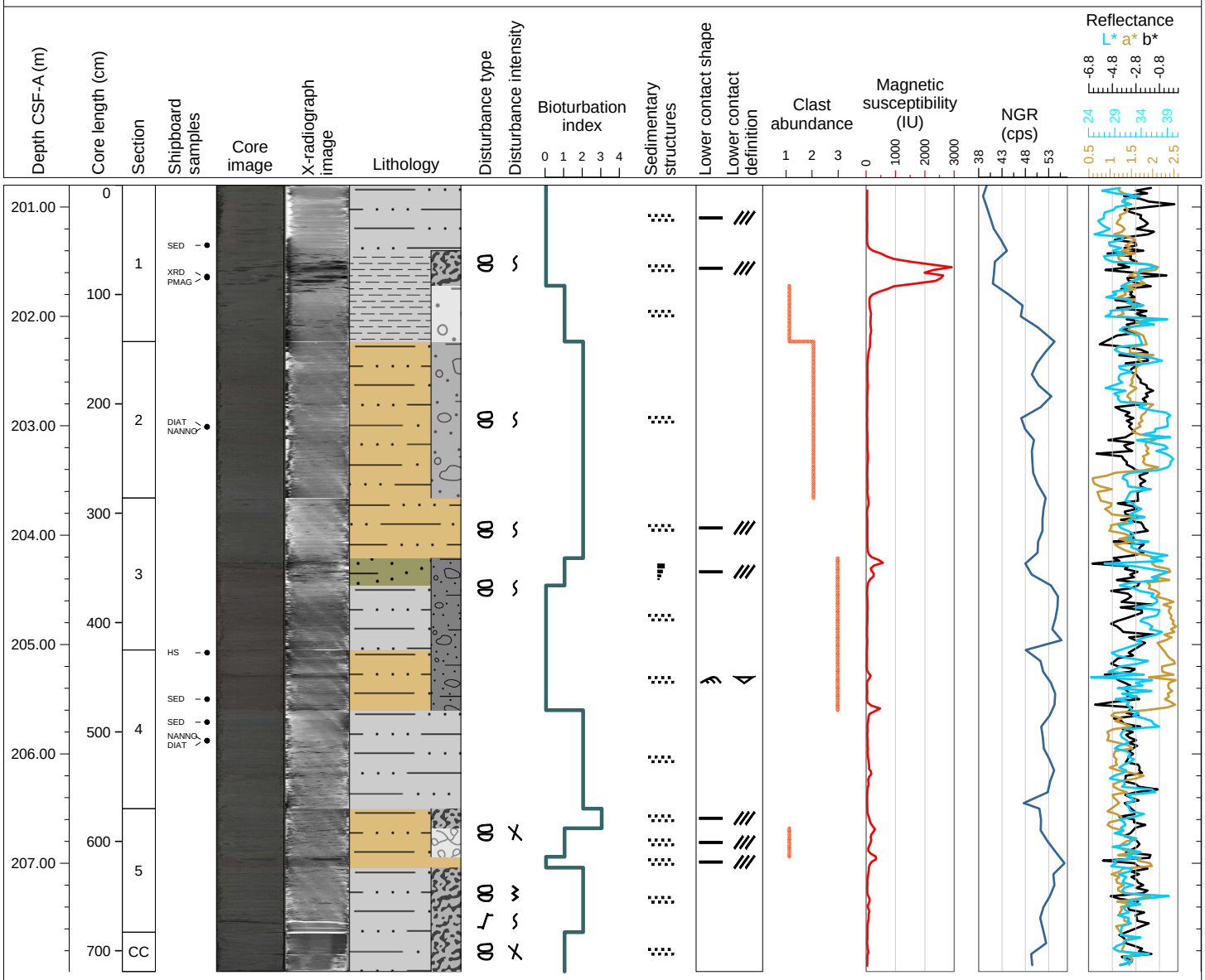
Hole 403-U1618B Core 24X, Interval 193.3-202.03 m (CSF-A)

Lithology is clay throughout the full core with a transition from heavy to moderate bioturbation into Section 1. There are dispersed clasts throughout. Sediments are slightly fractured and up-arching at the base of the core and are slightly to moderately



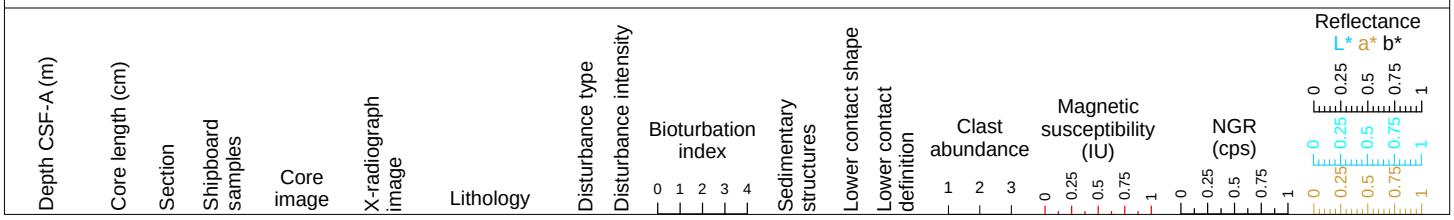
Hole 403-U1618B Core 25X, Interval 200.8-207.99 m (CSF-A)

Intervals of silty clay and clayey silt with dark patches throughout. Clasts range from absent to dispersed a the bottom of the core, to abundant in the middle, and dispersed to absent at the top. There is absent to slight bioturbation, biscuiting, and sl



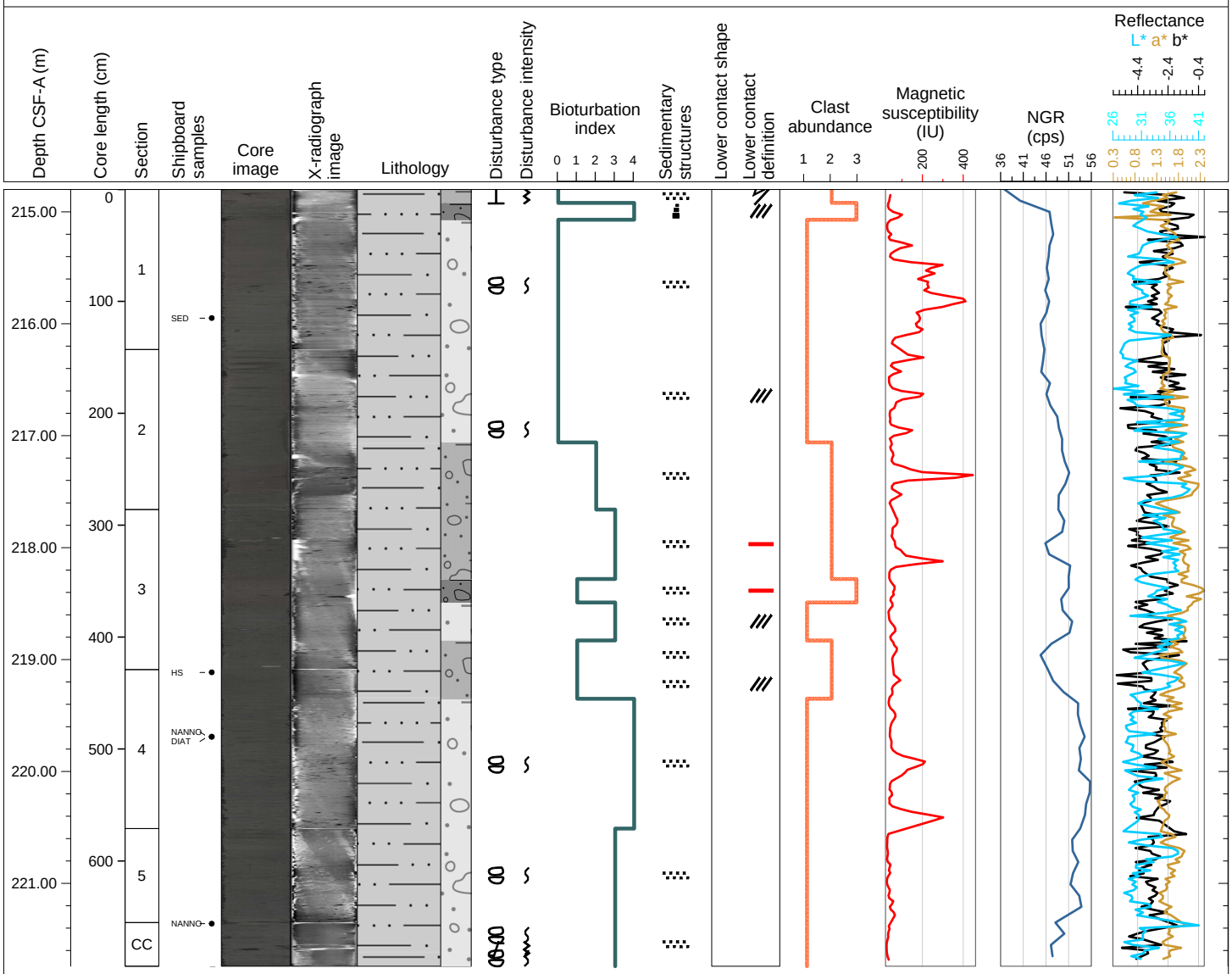
Hole 403-U1618B Core 26X, Interval 206.8-206.8 m (CSF-A)

NO RECOVERY



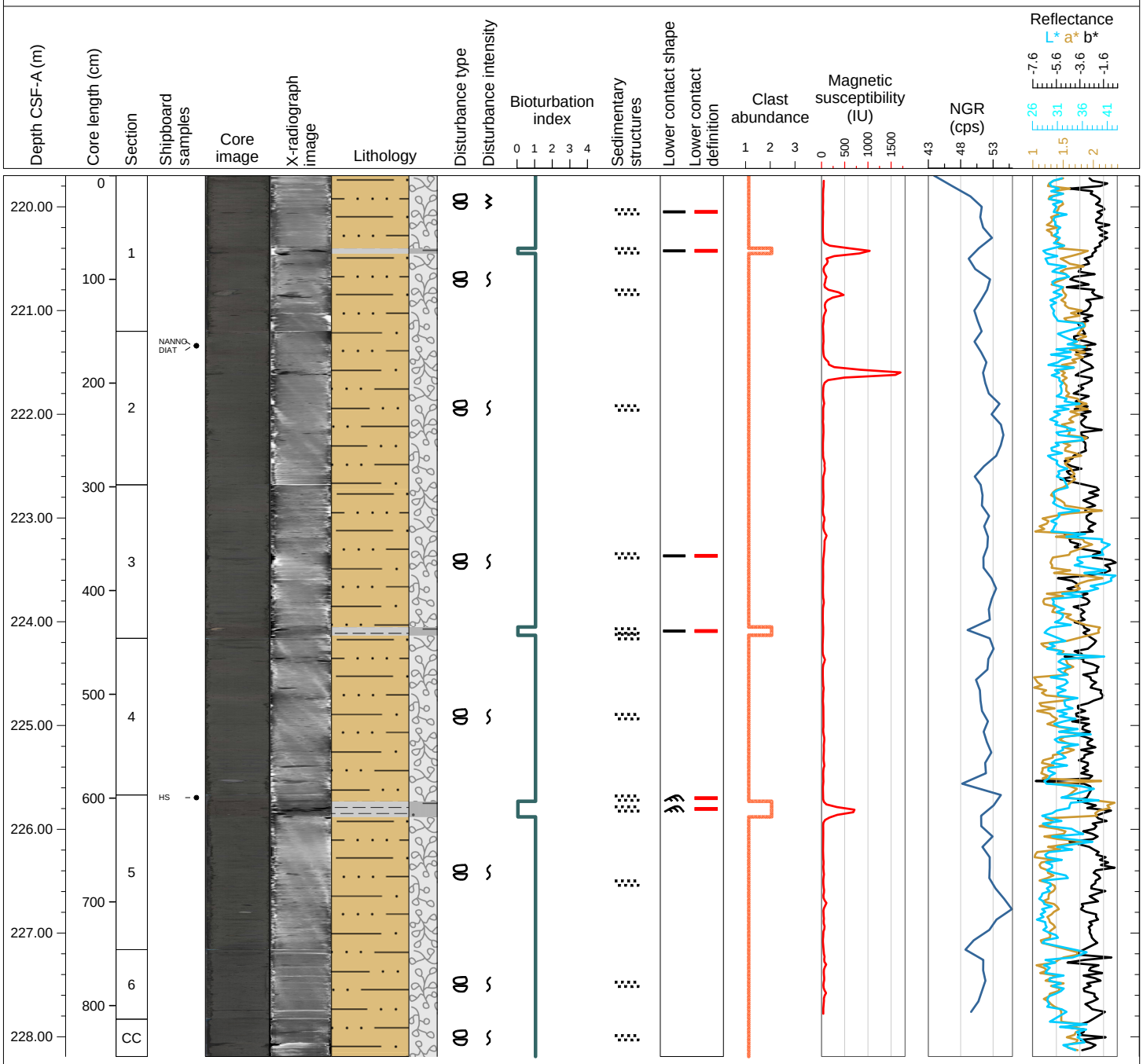
Hole 403-U1618B Core 27X, Interval 214.8-221.74 m (CSF-A)

Silty clay with dispersed clasts throughout and an interval of abundant clasts mid-core. Bioturbation follows a pattern of heavy to slight back to heavy and then absent from core bottom to core top. Sediments are slightly biscuited and there is a fracture



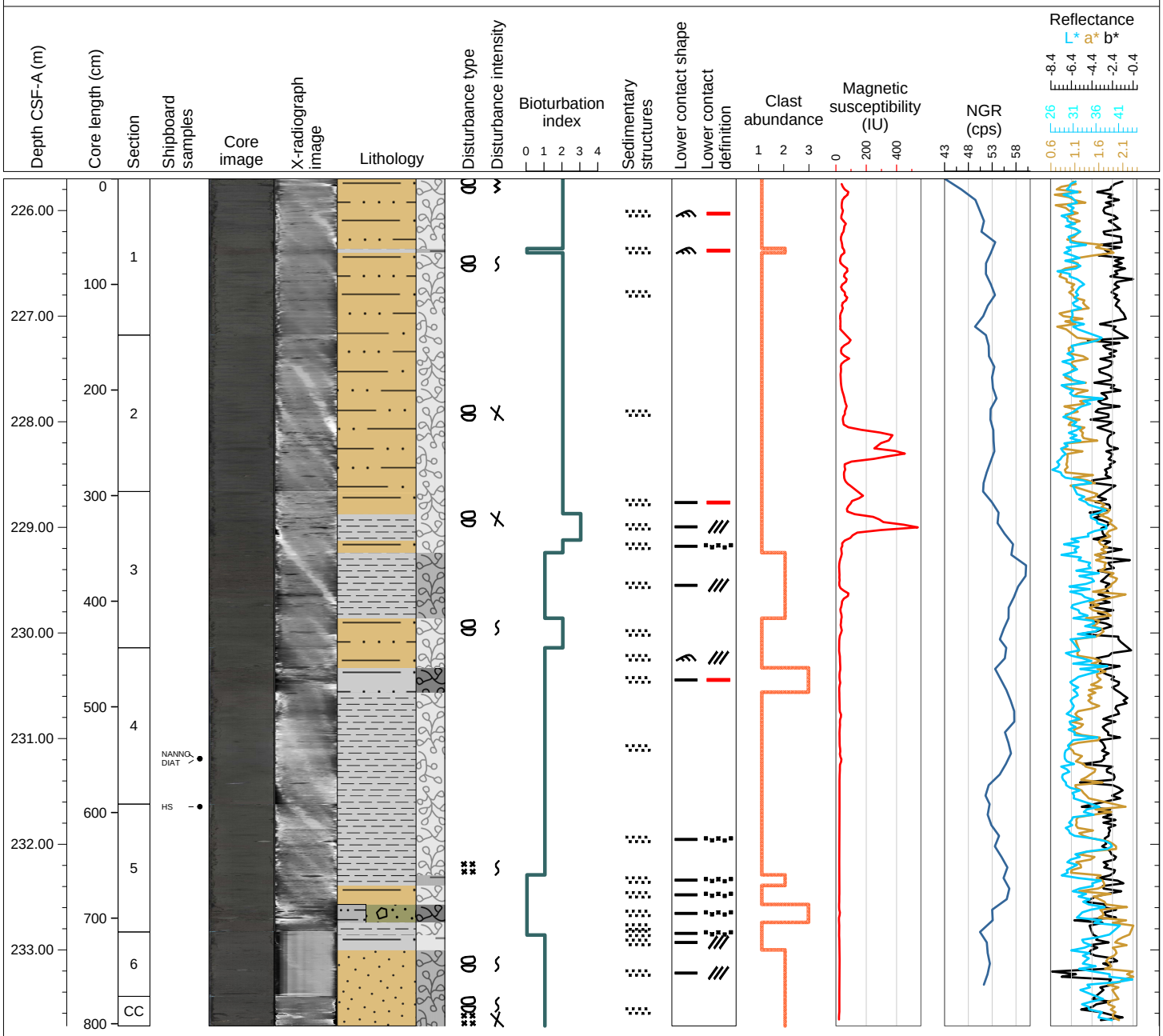
Hole 403-U1618B Core 28X, Interval 219.7-228.19 m (CSF-A)

Dark greyish structureless clayey silt with dark patches and dispersed clasts, with three intervals of slightly reddish clay with common clasts. No apparent to slight bioturbation. Slight biscuiting throughout.



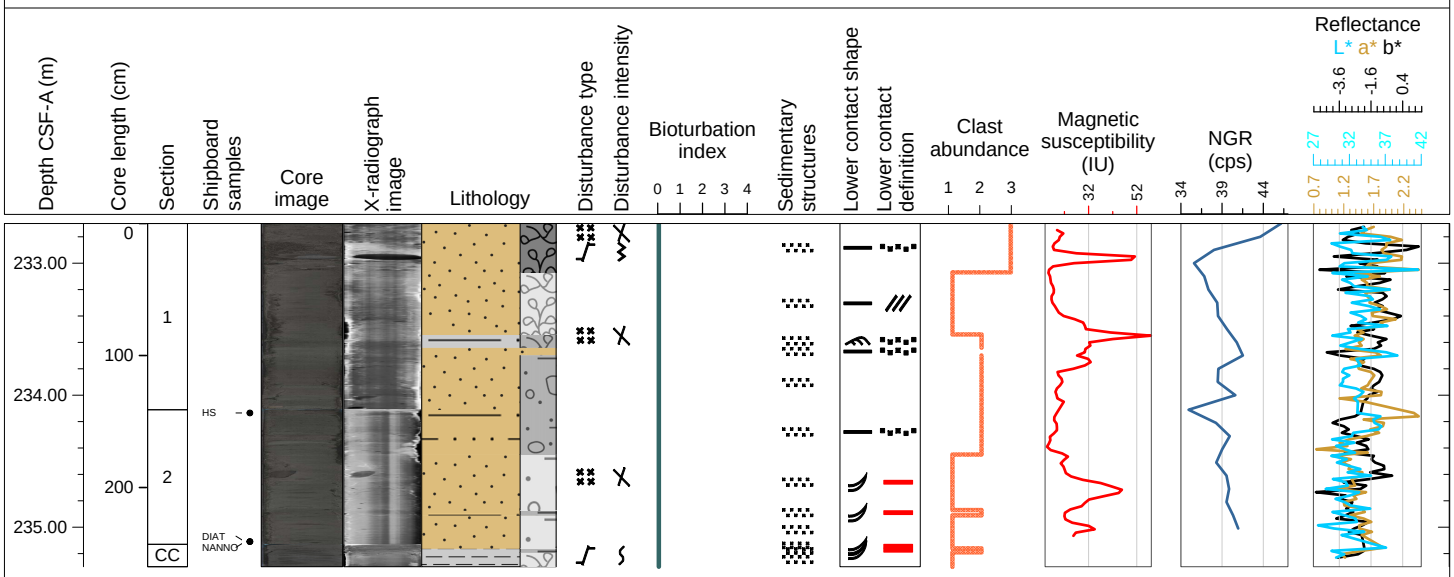
Hole 403-U1618B Core 29X, Interval 225.7-233.72 m (CSF-A)

Dark grey structureless clay to silty clay with dispersed to common clasts, mostly with dark patches. Some layers are heavily bioturbated. Most parts are slightly to moderately biscuited. Slight to moderate along-core contamination in lower part.



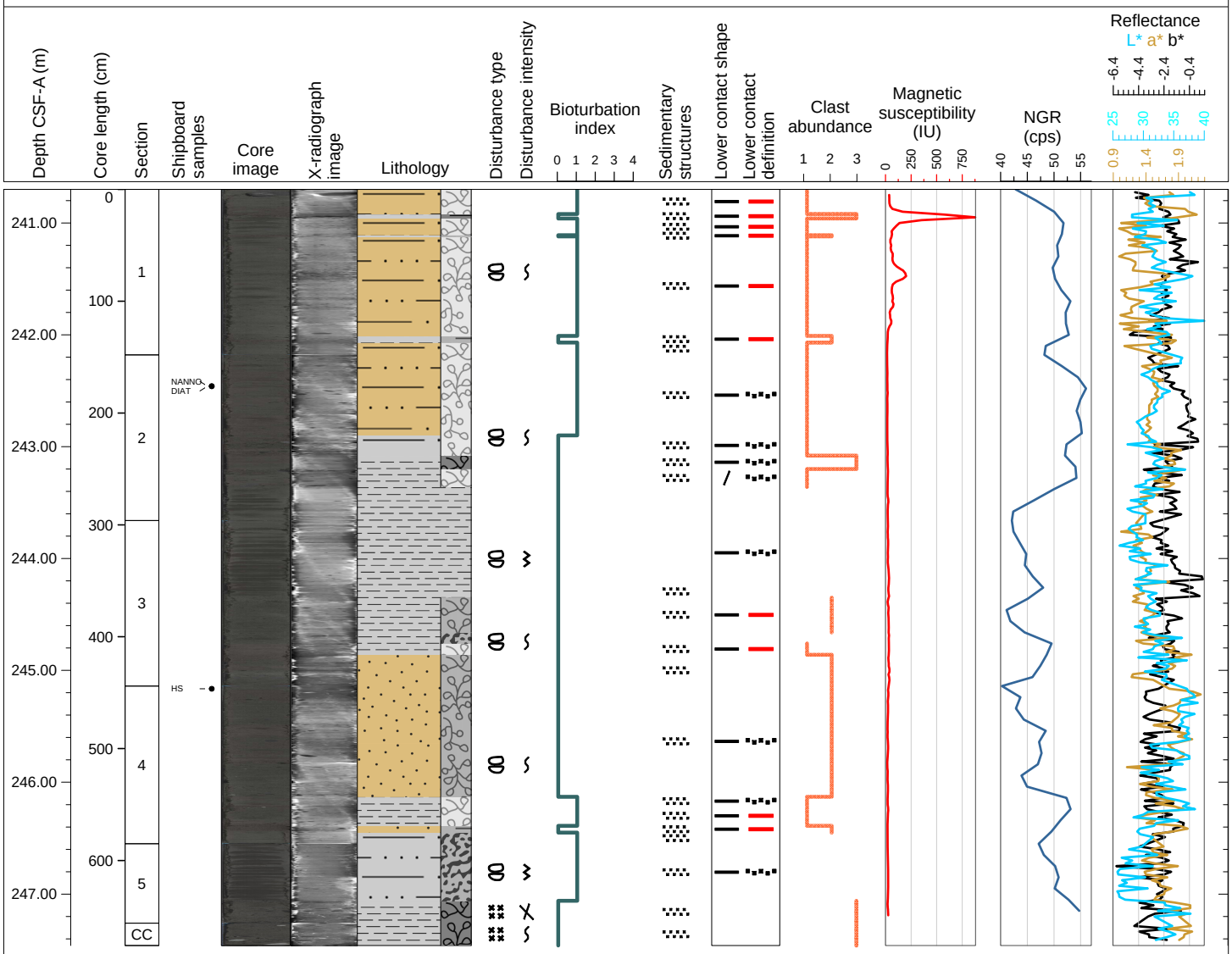
Hole 403-U1618B Core 30X, Interval 232.7-235.3 m (CSF-A)

Dark grey structureless clay to silt with dispersed to common clasts; dark patches in the upper and lowermost part. Some reddish layers. No apparent bioturbation. Moderate along-core contamination. Fractured interval in section 1 possibly due to splitting



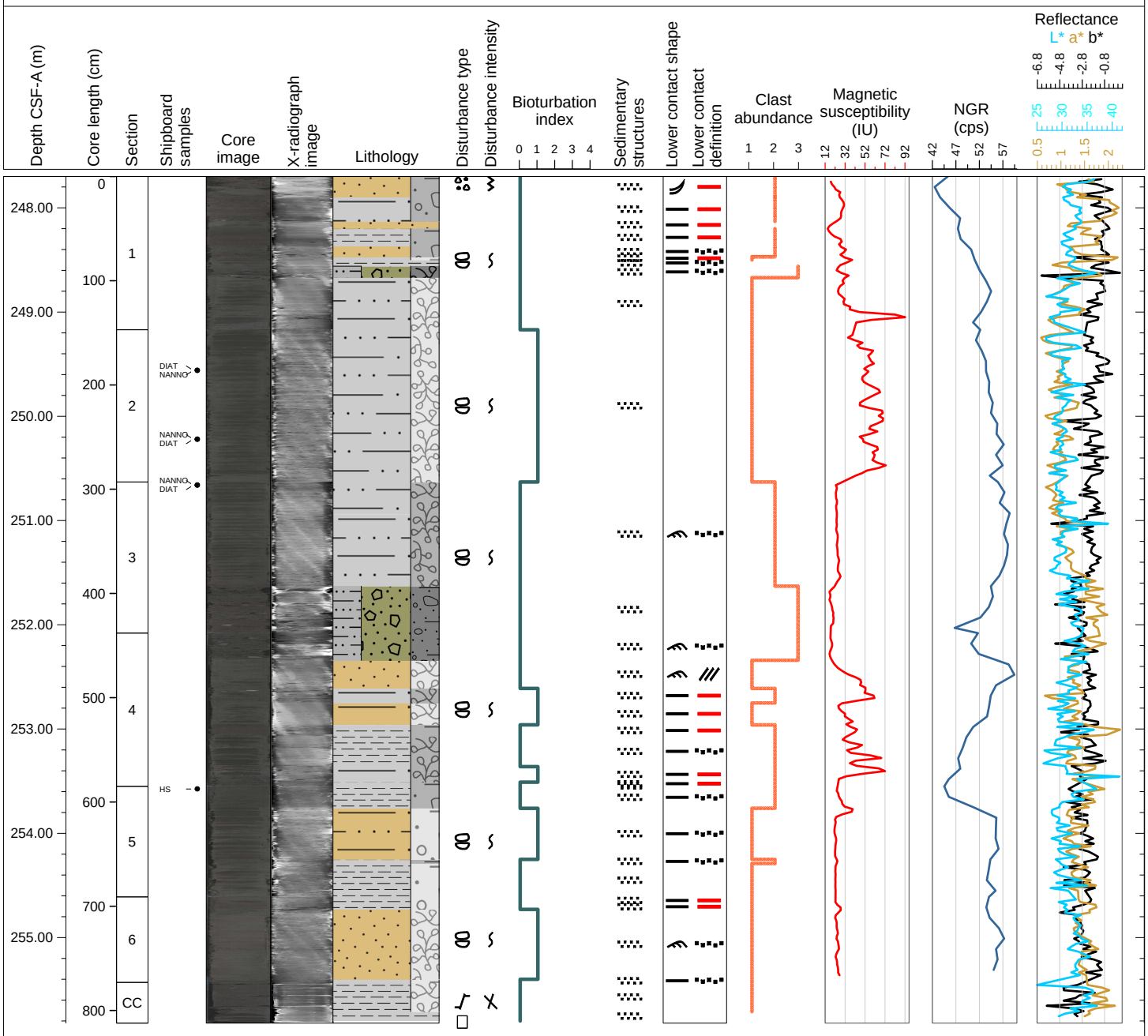
Hole 403-U1618B Core 31X, Interval 240.7-247.46 m (CSF-A)

Dark grey structureless clay to clayey silt, mostly with dark patches and dispersed to abundant clasts. Some reddish layers. No apparent to slight bioturbation. Slight biscuiting in sections 1-4, strong biscuiting and along-core contamination below.



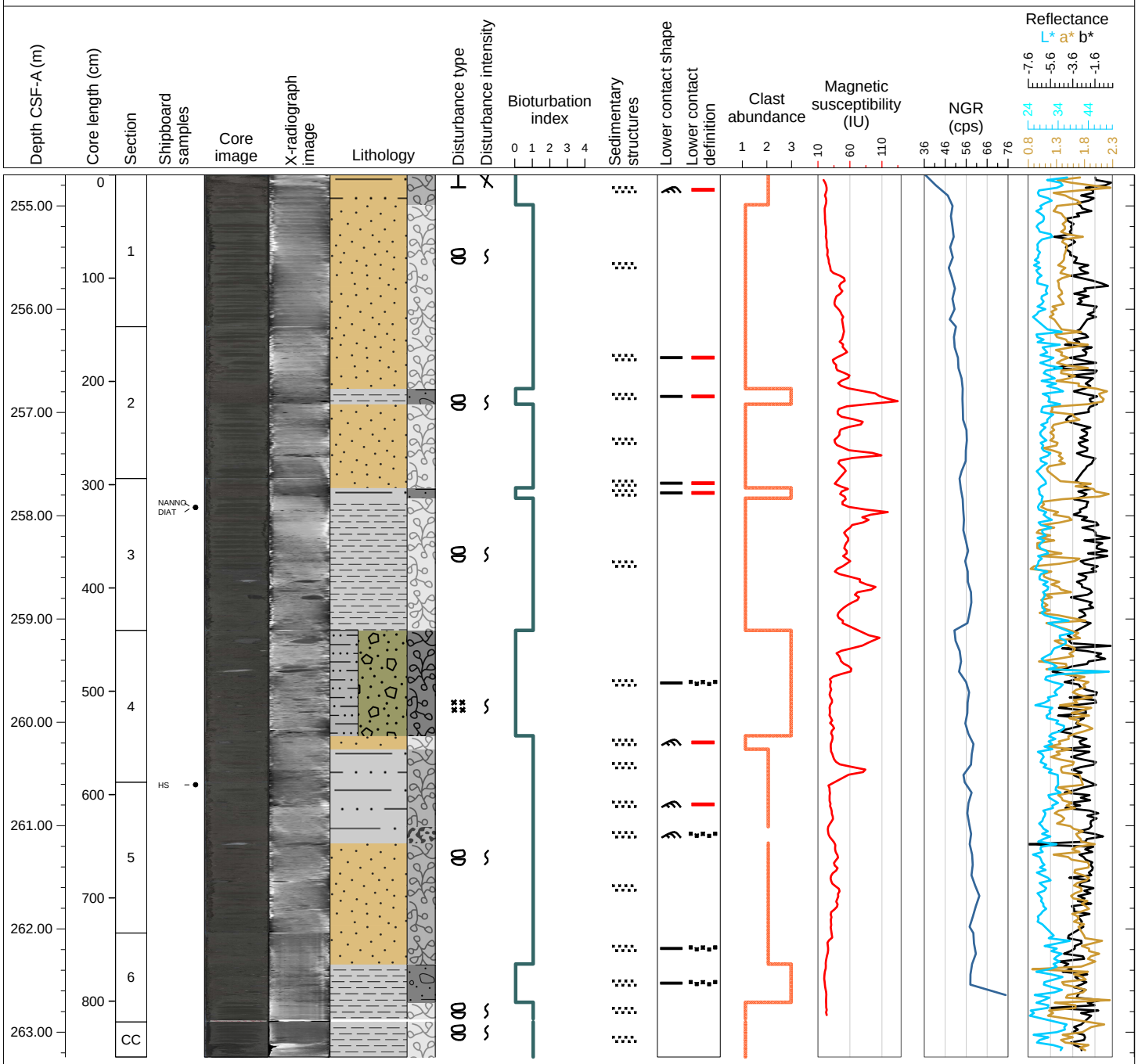
Hole 403-U1618B Core 32X, Interval 247.7-255.82 m (CSF-A)

Dark grey structureless clay to silt with mostly with dark patches and dispersed to abundant clasts. Several reddish layers. No apparent to slight bioturbation. Uppermost 14 cm mixed sediment, slight biscuiting below.



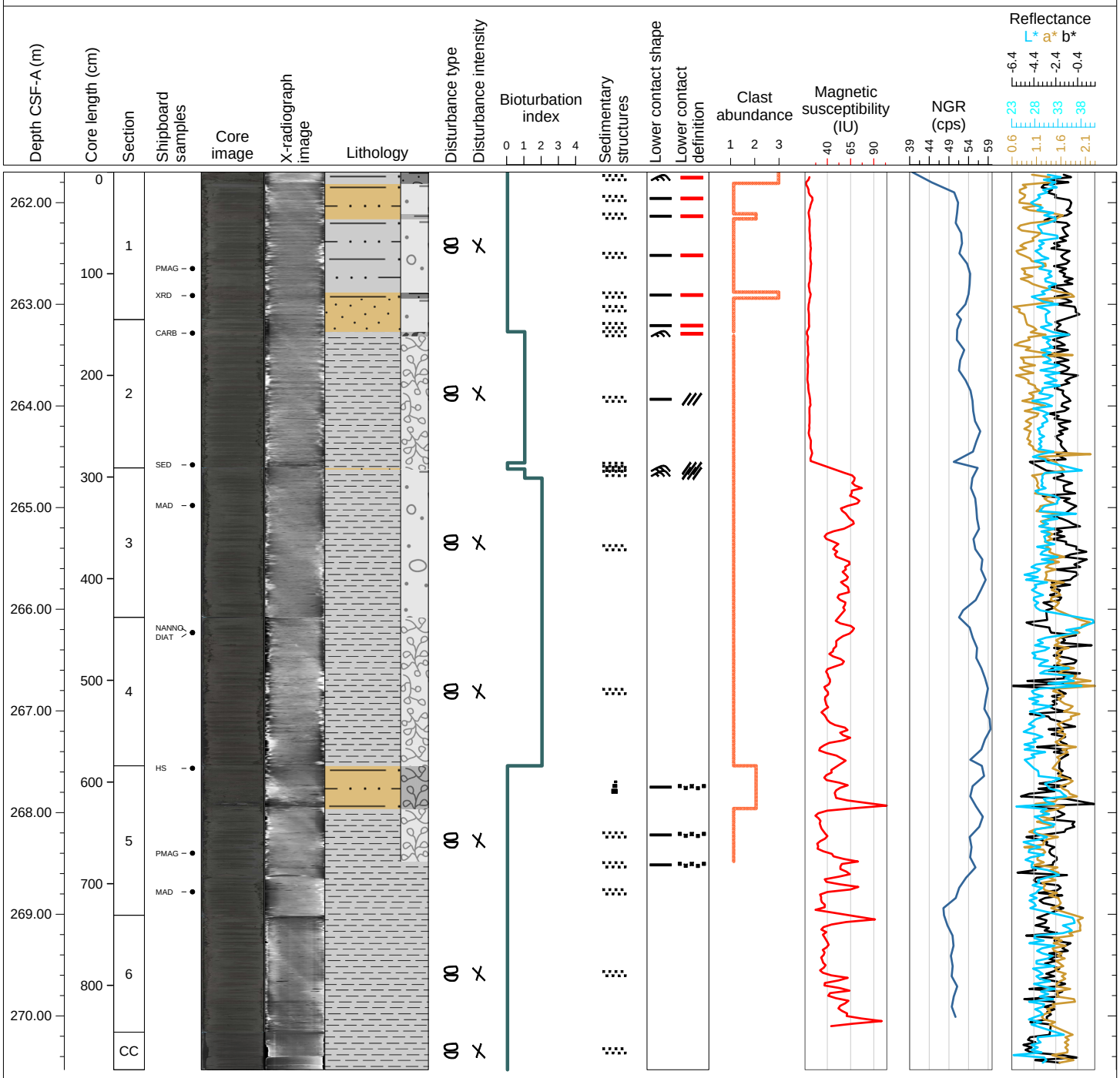
Hole 403-U1618B Core 33X, Interval 254.7-263.24 m (CSF-A)

Dark grey structureless clay to silt with dark patches and dispersed to common clasts. Some reddish layers. Mostly slightly bioturbated. Uppermost 11 cm fall-in, slight biscuiting in most parts. Slight along-core contamination in section 4.



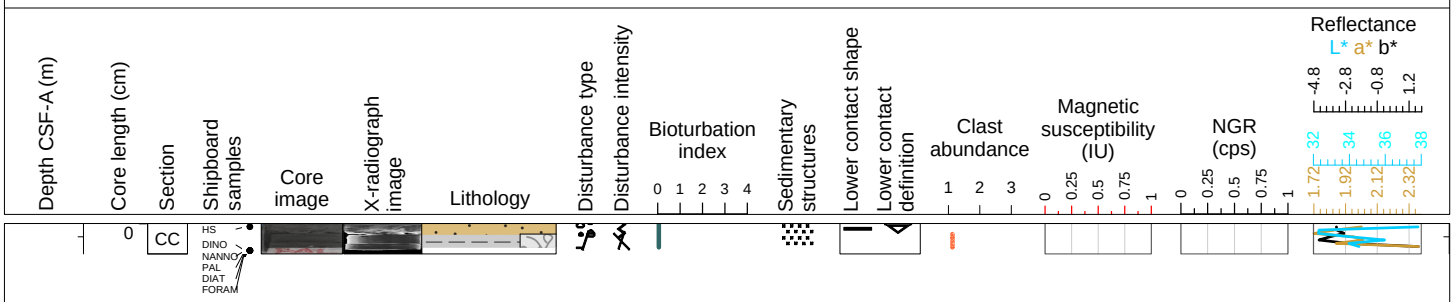
Hole 403-U1618B Core 34X, Interval 261.7-270.53 m (CSF-A)

Mostly dark grey clay to silty clay with dispersed to common clasts, some parts with dark patches. Some reddish and one pale grey layer. No apparent to moderate bioturbation. Entire core with moderate biscuiting.



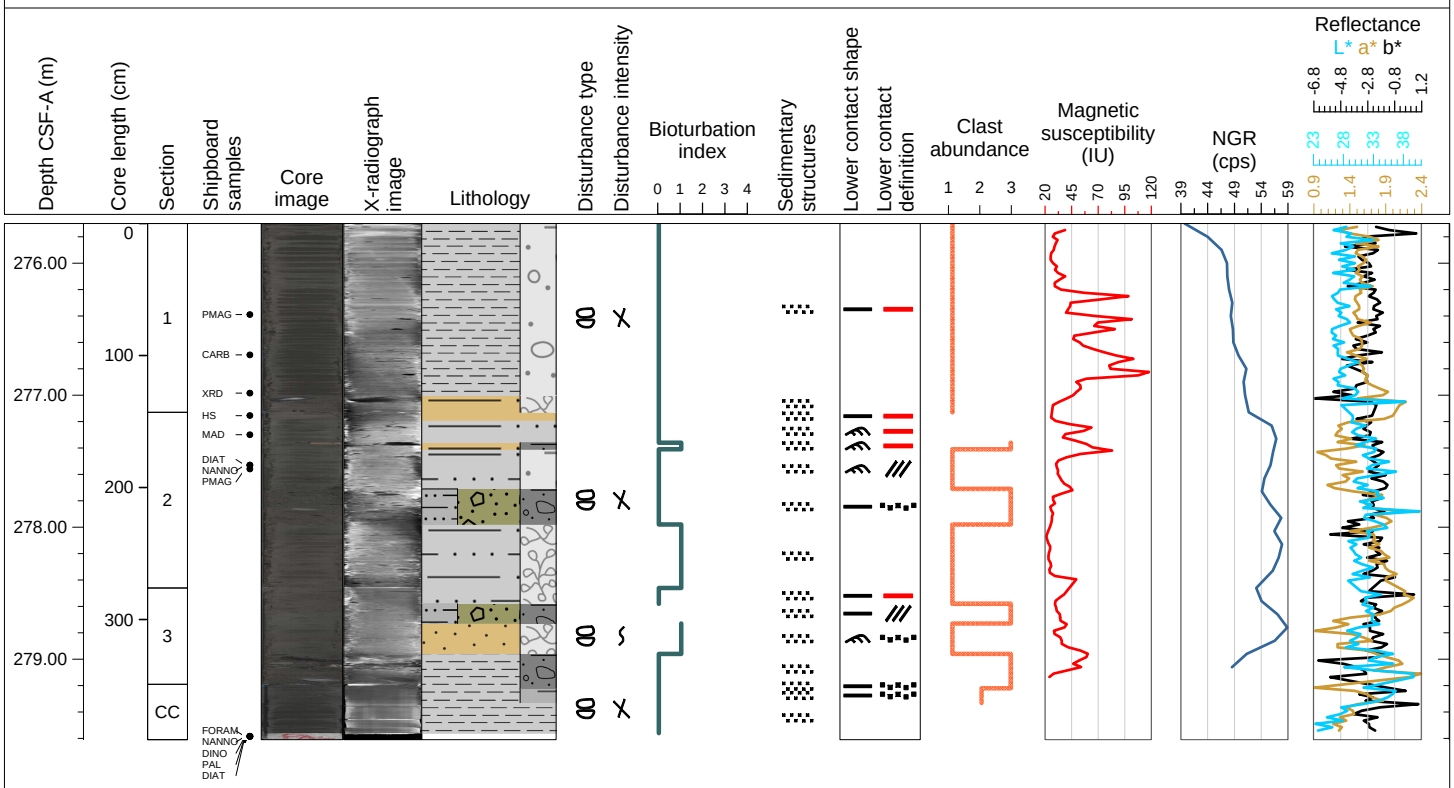
Hole 403-U1618B Core 35X, Interval 268.7-268.93 m (CSF-A)

Core barrel was empty with exception of the core catcher. Upper part of core catcher mostly mixed sediment, lower part not disturbed. Dark grey clay with dark patches and dispersed clasts, no apparent bioturbation.



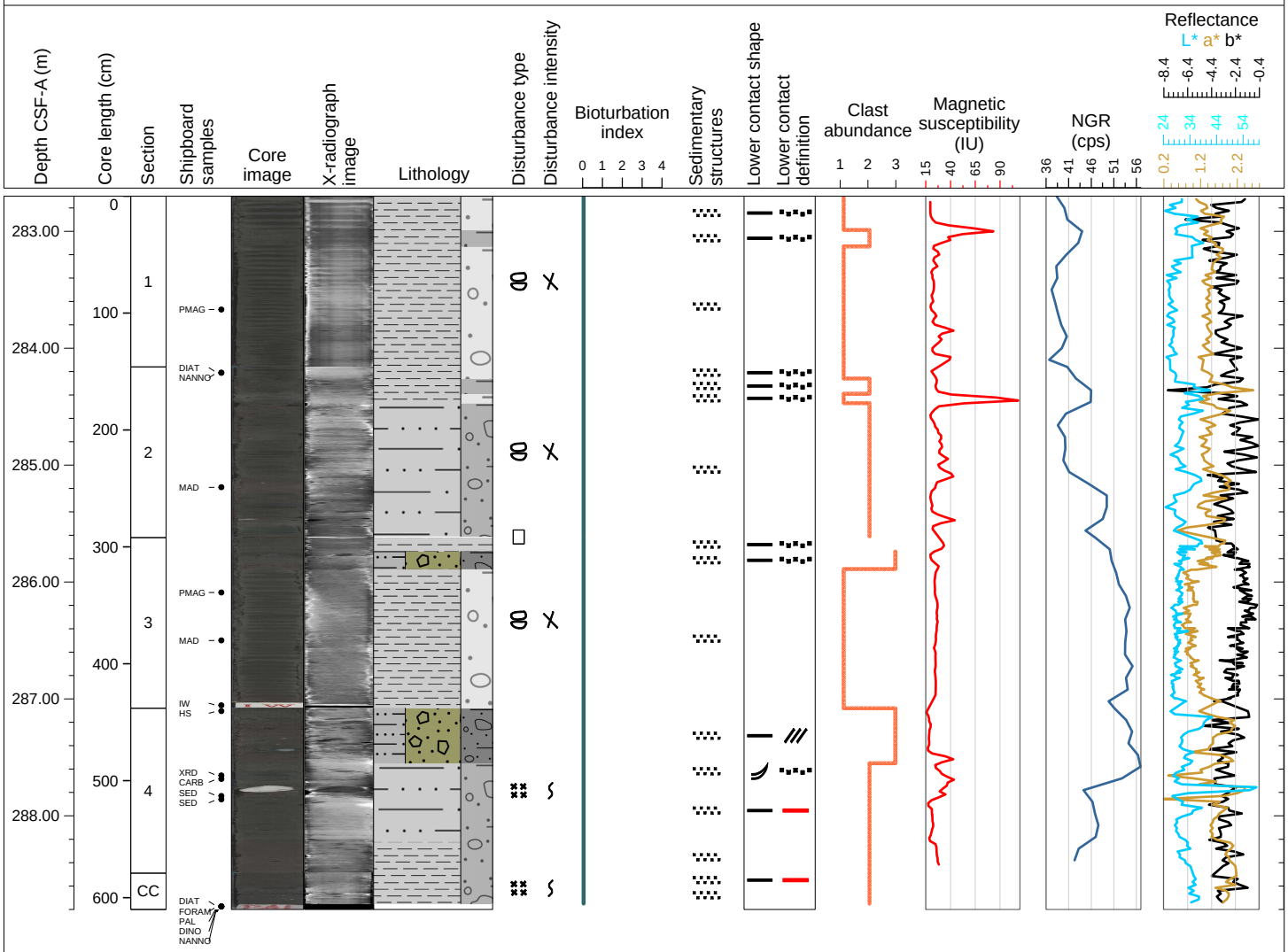
Hole 403-U1618B Core 36X, Interval 275.7-279.61 m (CSF-A)

Dark grey structureless clay to silty clay with dispersed to common clasts and dark patches. Interbedded reddish layers. Little to no bioturbation. Slight to moderate biscuiting throughout.



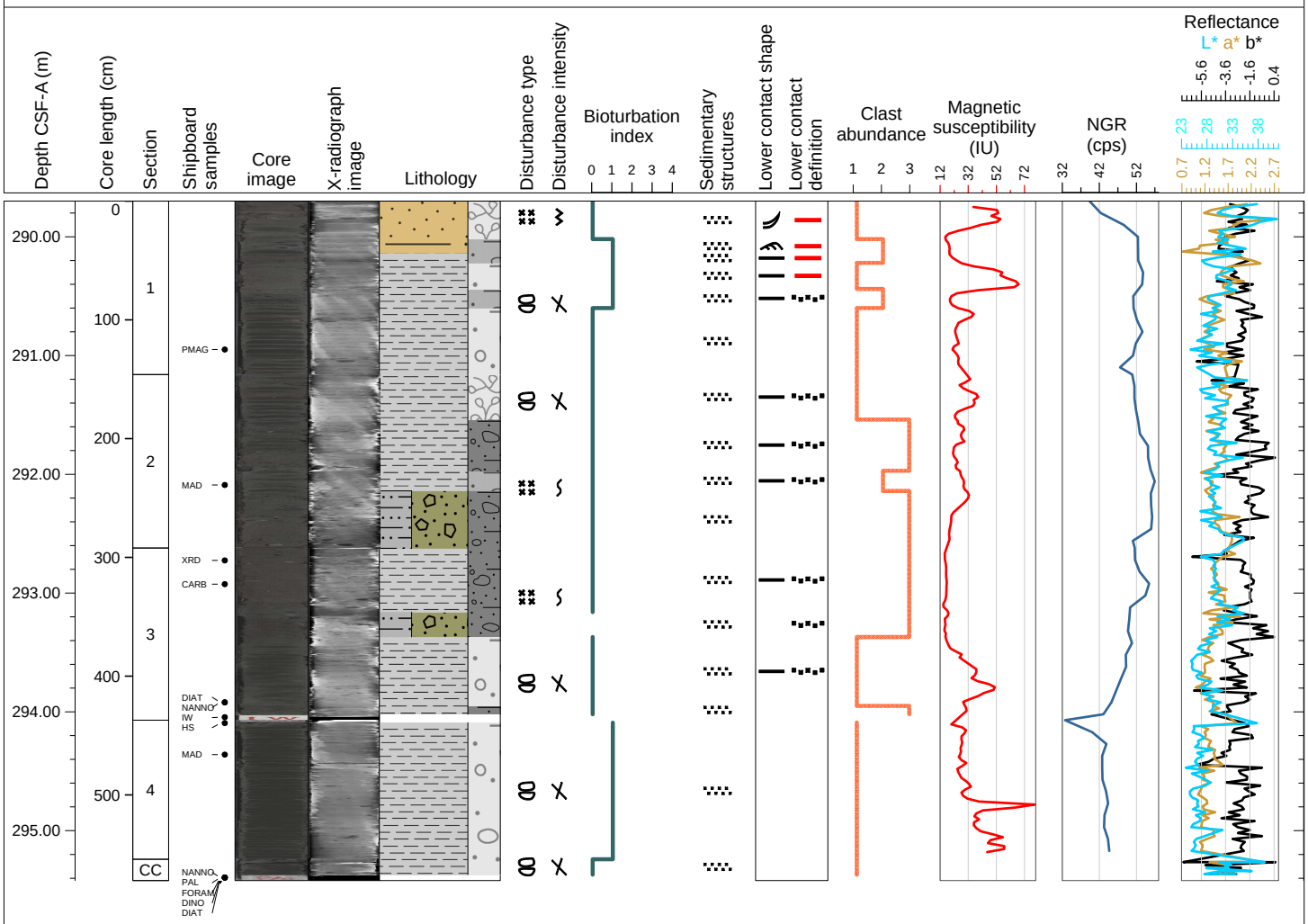
Hole 403-U1618B Core 37X, Interval 282.7-288.8 m (CSF-A)

Light grey to reddish structureless clay with dispersed to common clasts. Interbedded reddish layers. No bioturbation. Upper part moderately biscuited, lower part with slight along-core contamination.



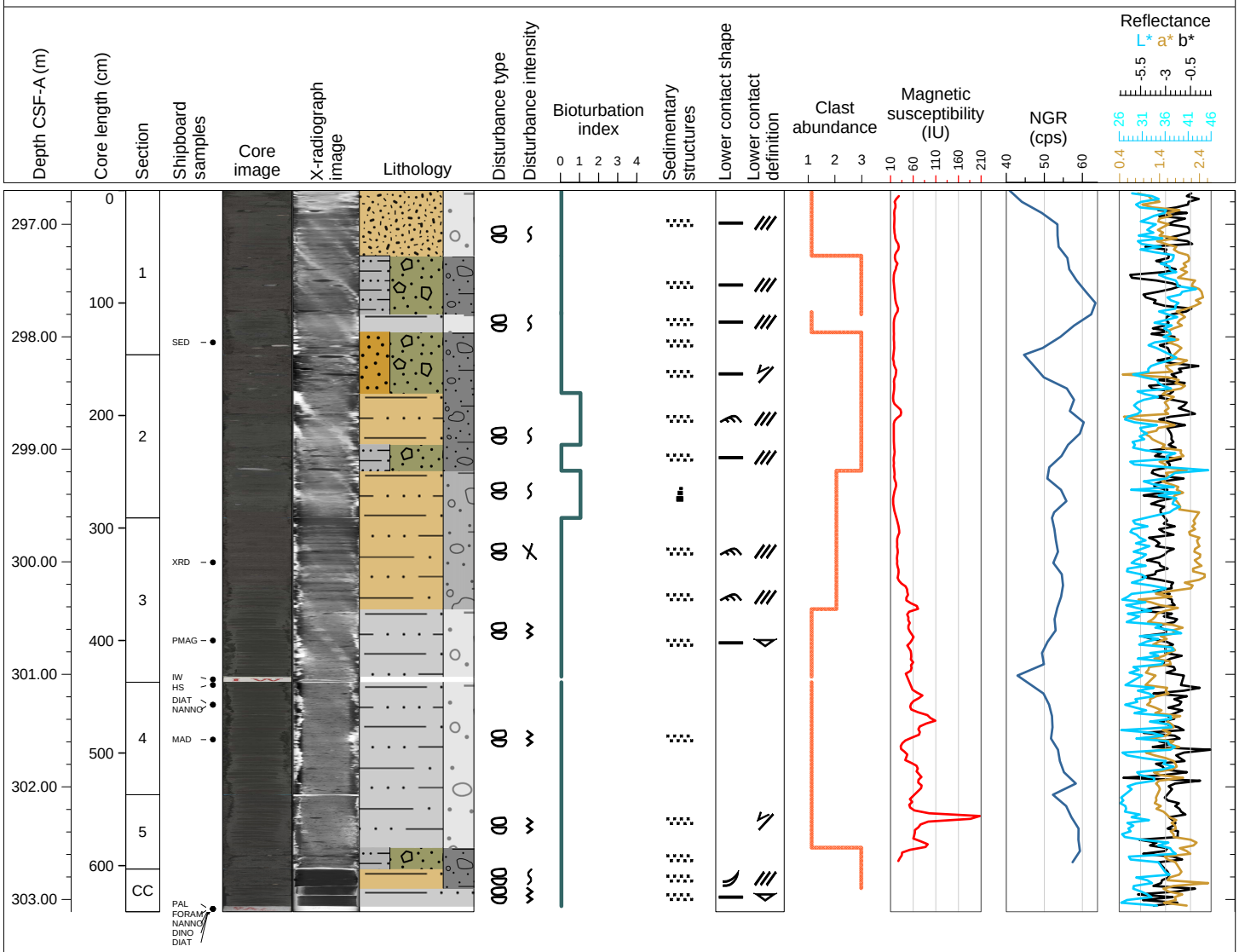
Hole 403-U1618B Core 38X, Interval 289.7-295.42 m (CSF-A)

Dark grey structureless clay with dispersed to abundant clasts and dark patches. Some layers slightly bioturbated. Most parts with slight to strong along-core contamination or moderate biscuiting.



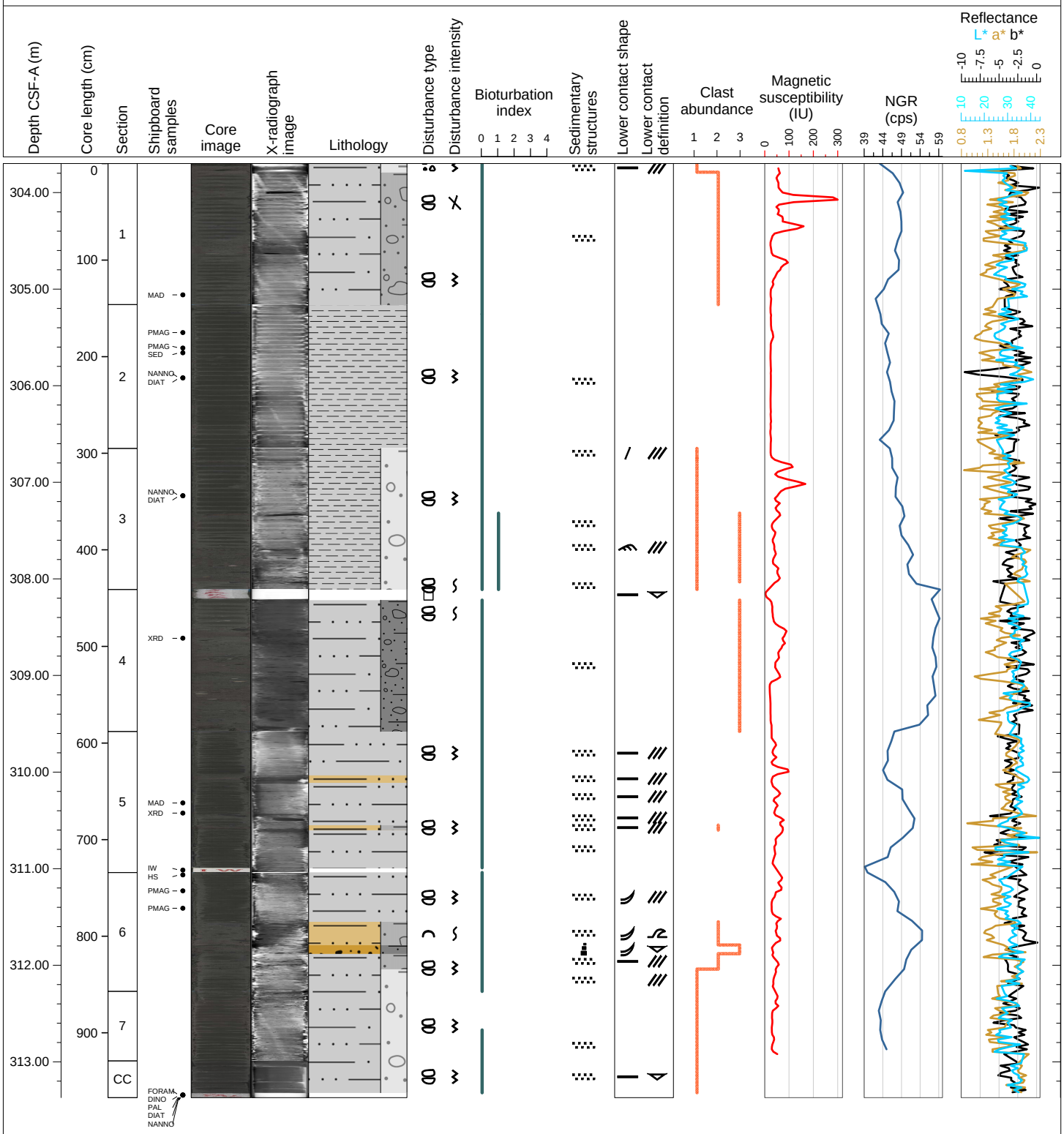
Hole 403-U1618B Core 39X, Interval 296.7-303.11 m (CSF-A)

Primarily clayey silt with silty clay and sandy mud intervals. Clast abundance varies from dispersed to common throughout. The upper two section contain the majority of larger clasts (>1cm). Bioturbation is primarily absent with one interval of slight bio



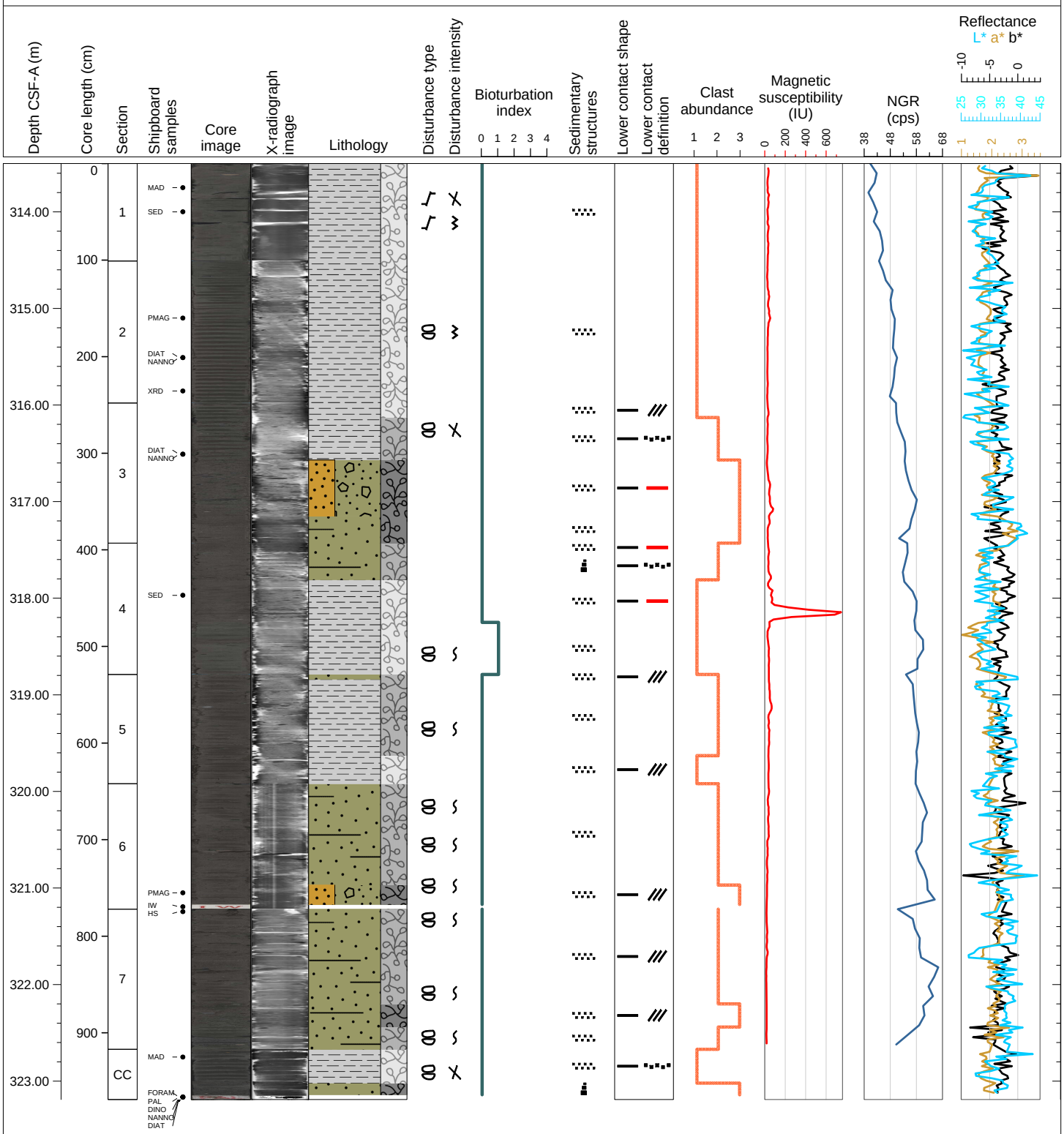
Hole 403-U1618B Core 40X, Interval 303.7-313.37 m (CSF-A)

Primarily silty clay and claysy silt with clay-rich intervals at the top of the core. The base and top of the core are more clast-rich than the mid section. Bioturbation is absent throughout most of the core but is slight at the base of Section 3. Section



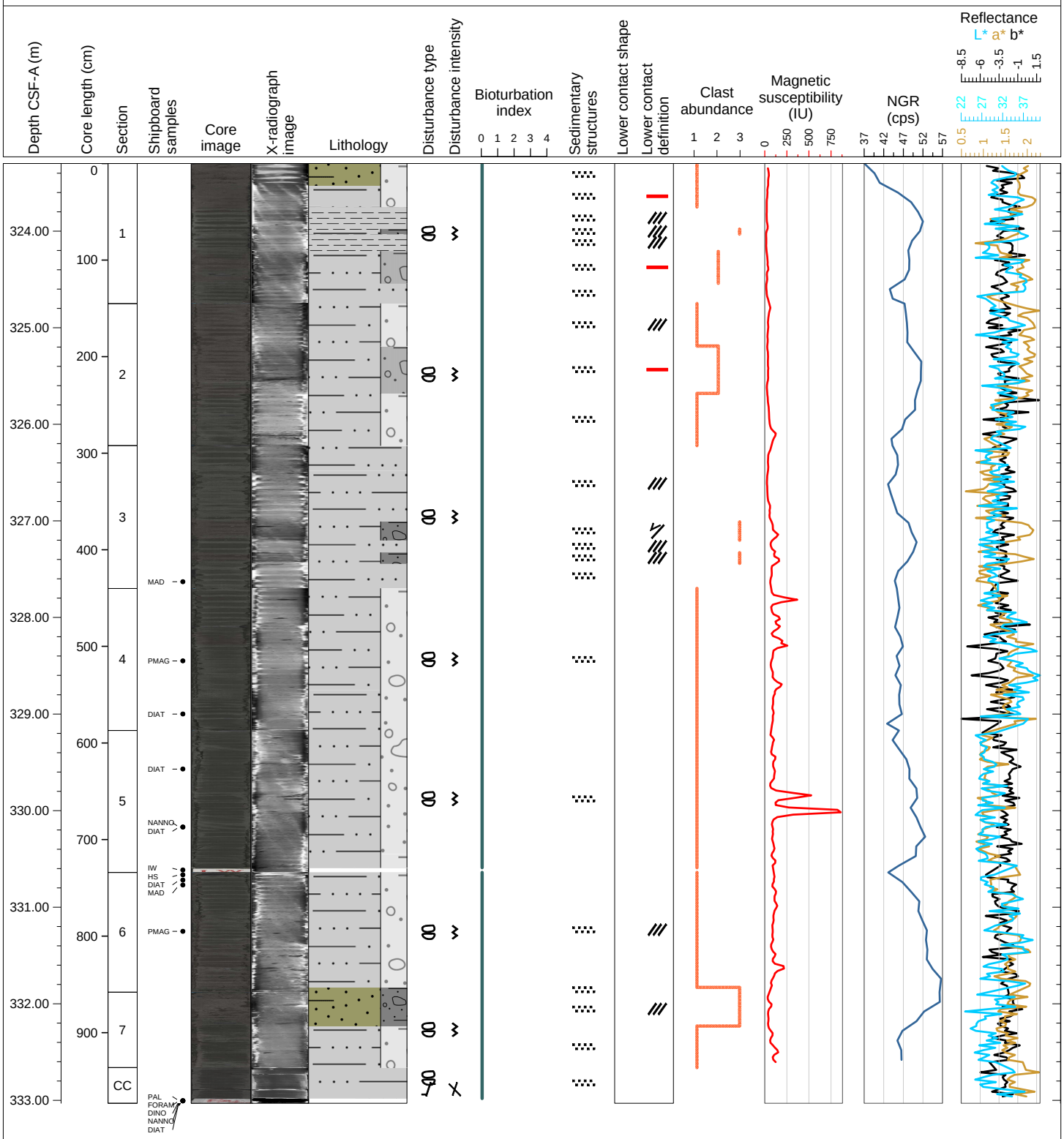
Hole 403-U1618B Core 41X, Interval 313.5-323.19 m (CSF-A)

Gradational intervals of clay and sandy mud with dark patches and dispersed to common clasts throughout. Bioturbation is absent other than a slight interval at the base of Section 4. There is slight to moderate biscuiting throughout.



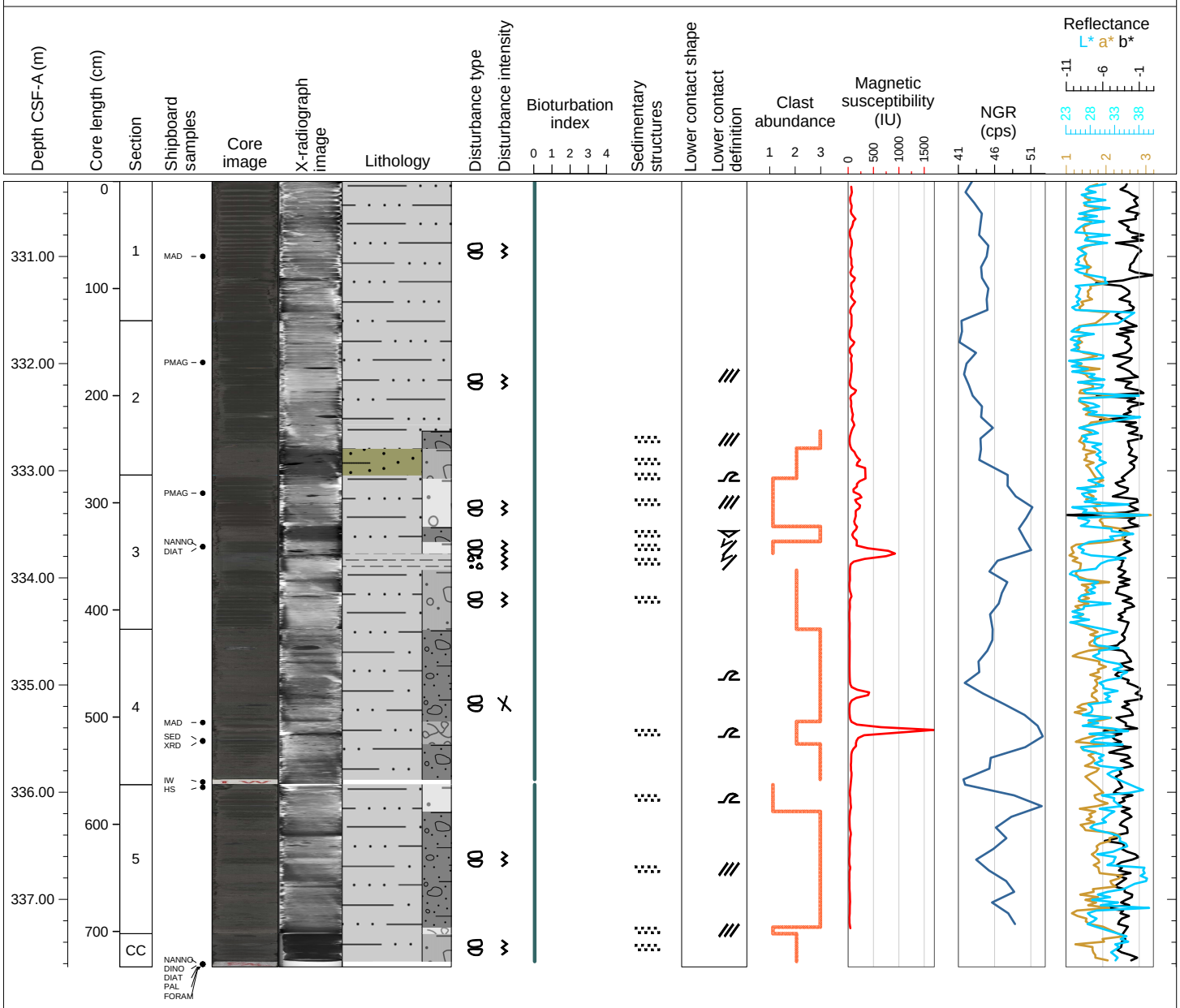
Hole 403-U1618B Core 42X, Interval 323.3-333.03 m (CSF-A)

Intervals of silty clay, sandy mud, and clay alternating between dispersed to abundant clasts throughout. Sediments are structureless with no apparent bioturbation and strong biscuiting.



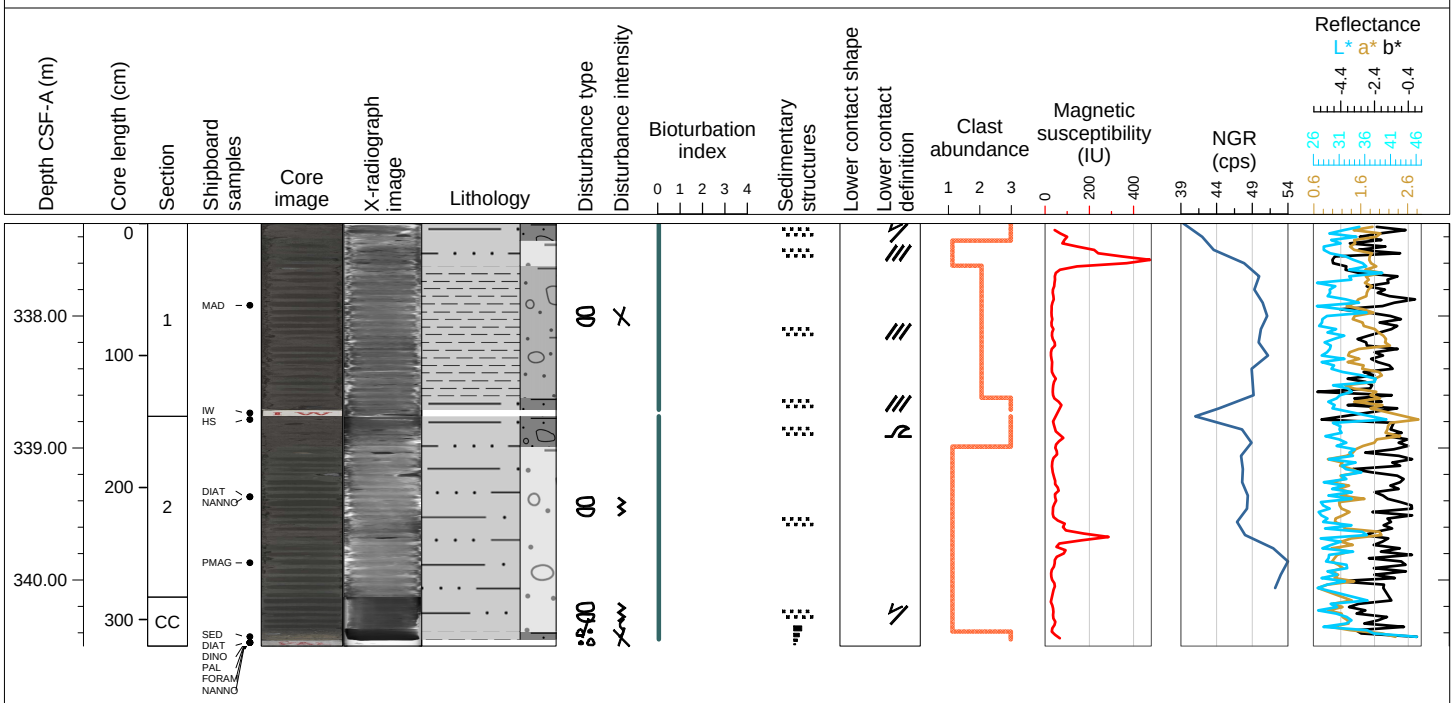
Hole 403-U1618B Core 43X, Interval 330.3-337.63 m (CSF-A)

Intervals of silty clay, sandy mud, and clay alternating between dispersed to abundant clasts throughout. Sediments are structureless to thinly laminated with no apparent bioturbation and strong biscuiting and a mixed interval mid-core.



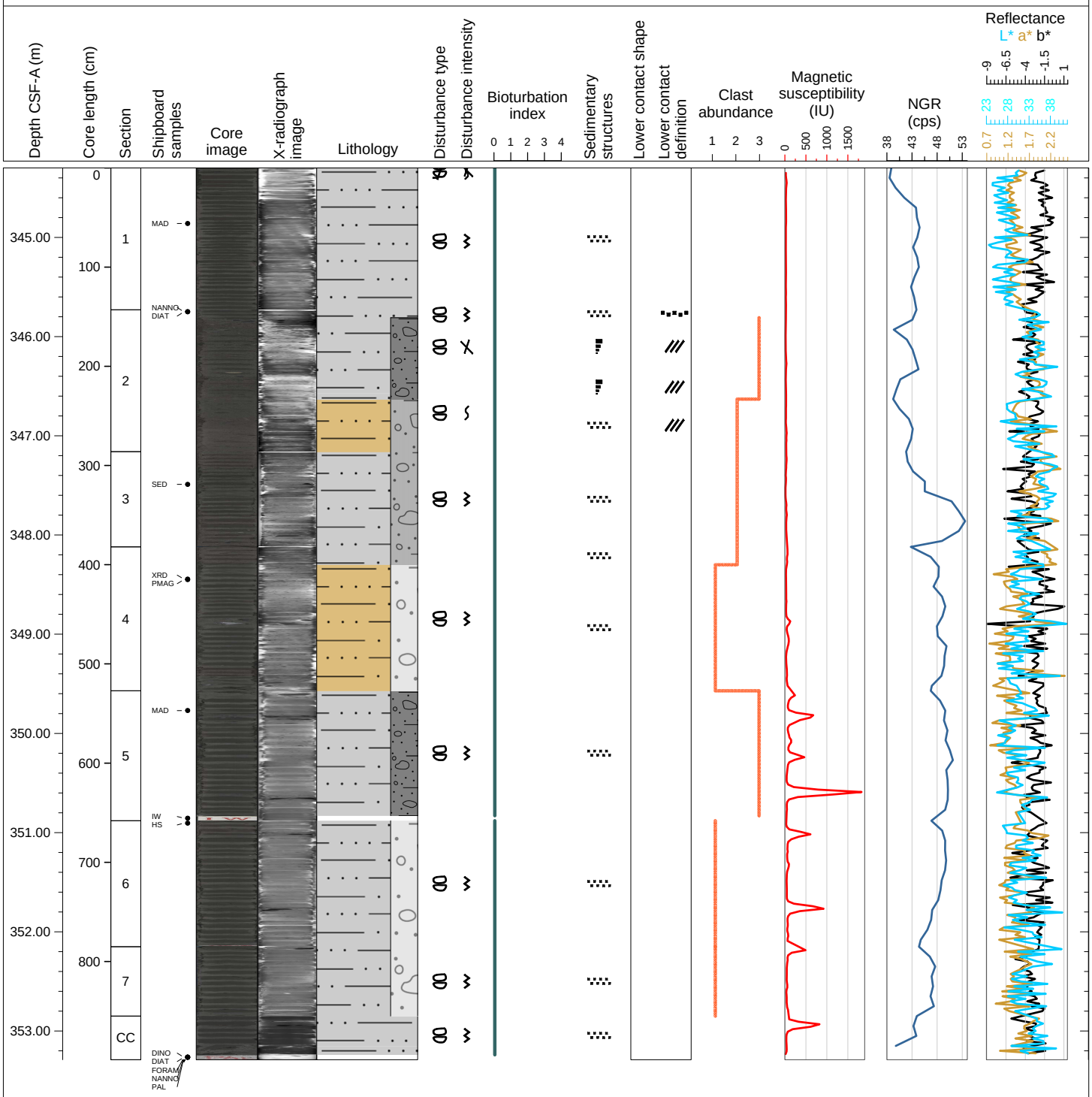
Hole 403-U1618B Core 44X, Interval 337.3-340.5 m (CSF-A)

Intervals of clay to silty clay with dispersed to abundant clasts throughout. Sediments are generally structureless with no apparent bioturbation and moderate to strong bioturbation.



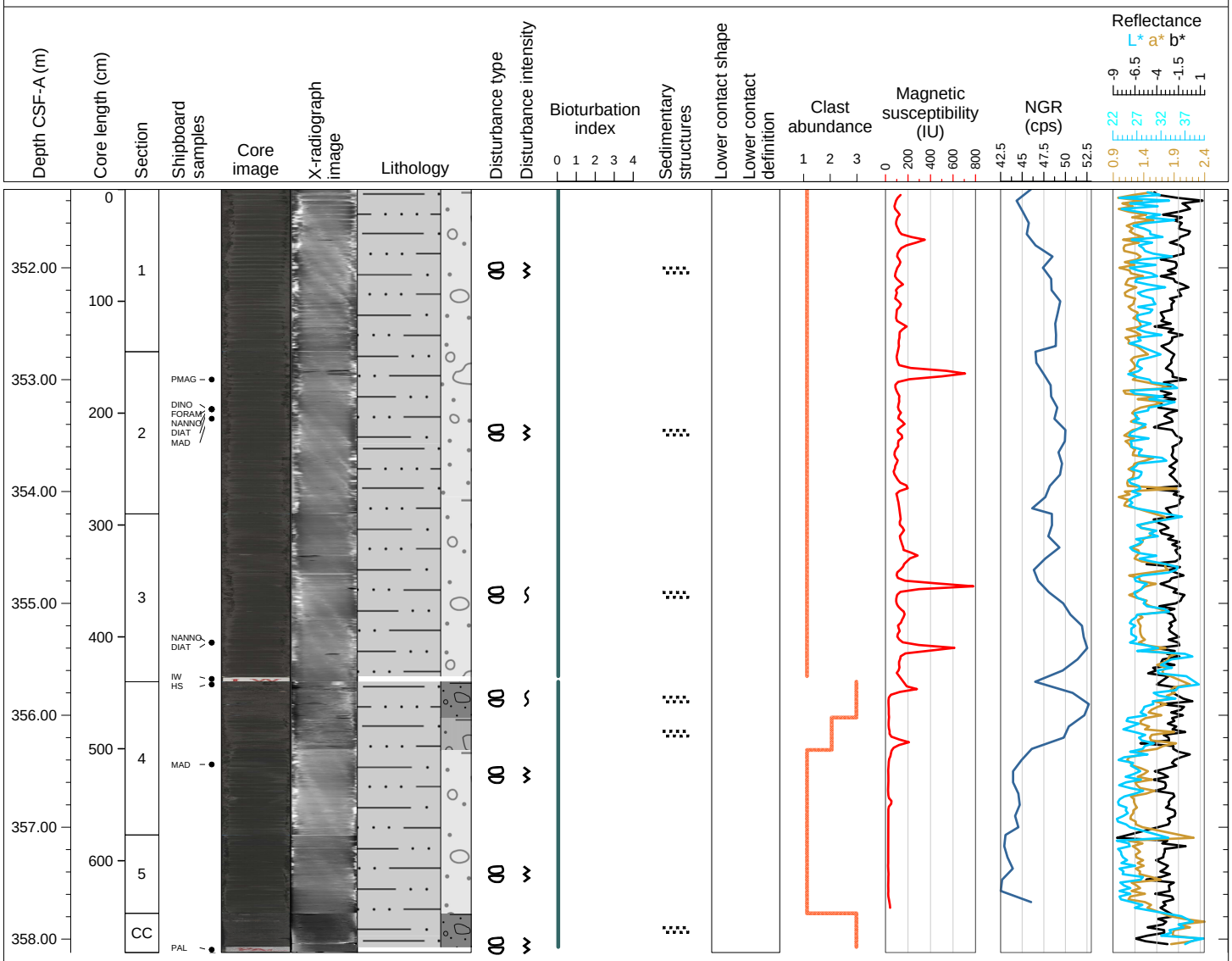
Hole 403-U1618B Core 45X, Interval 344.3-353.29 m (CSF-A)

Intervals of silty clay and clayey silt, clast abundance increases up-core from dispersed to abundant. Upper sections have inverse grading and there is no apparent bioturbation but strong biscuiting throughout.



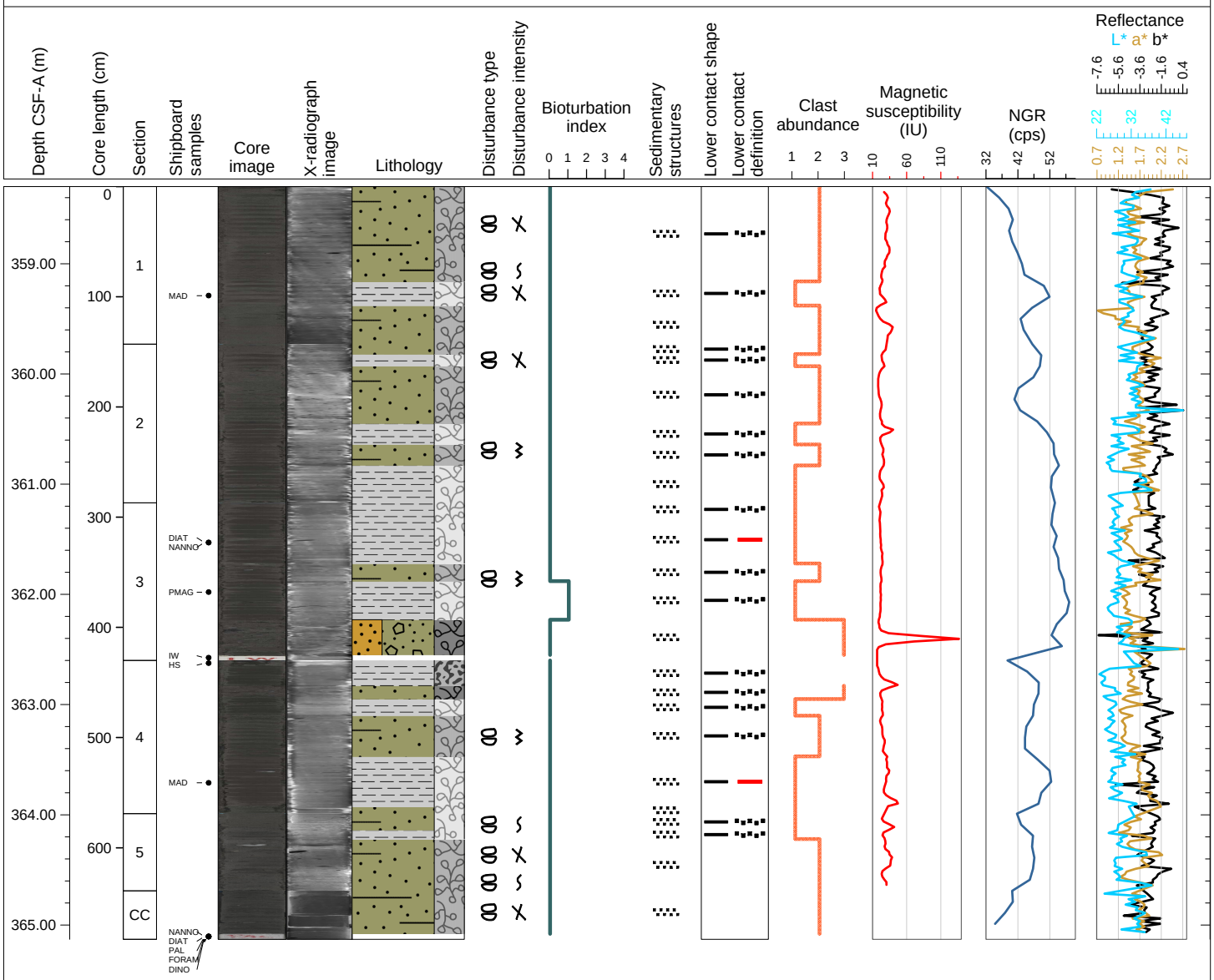
Hole 403-U1618B Core 46X, Interval 351.3-358.12 m (CSF-A)

Silty clay with dispersed clasts throughout, some intervals thinly laminated. No bioturbation apparent.



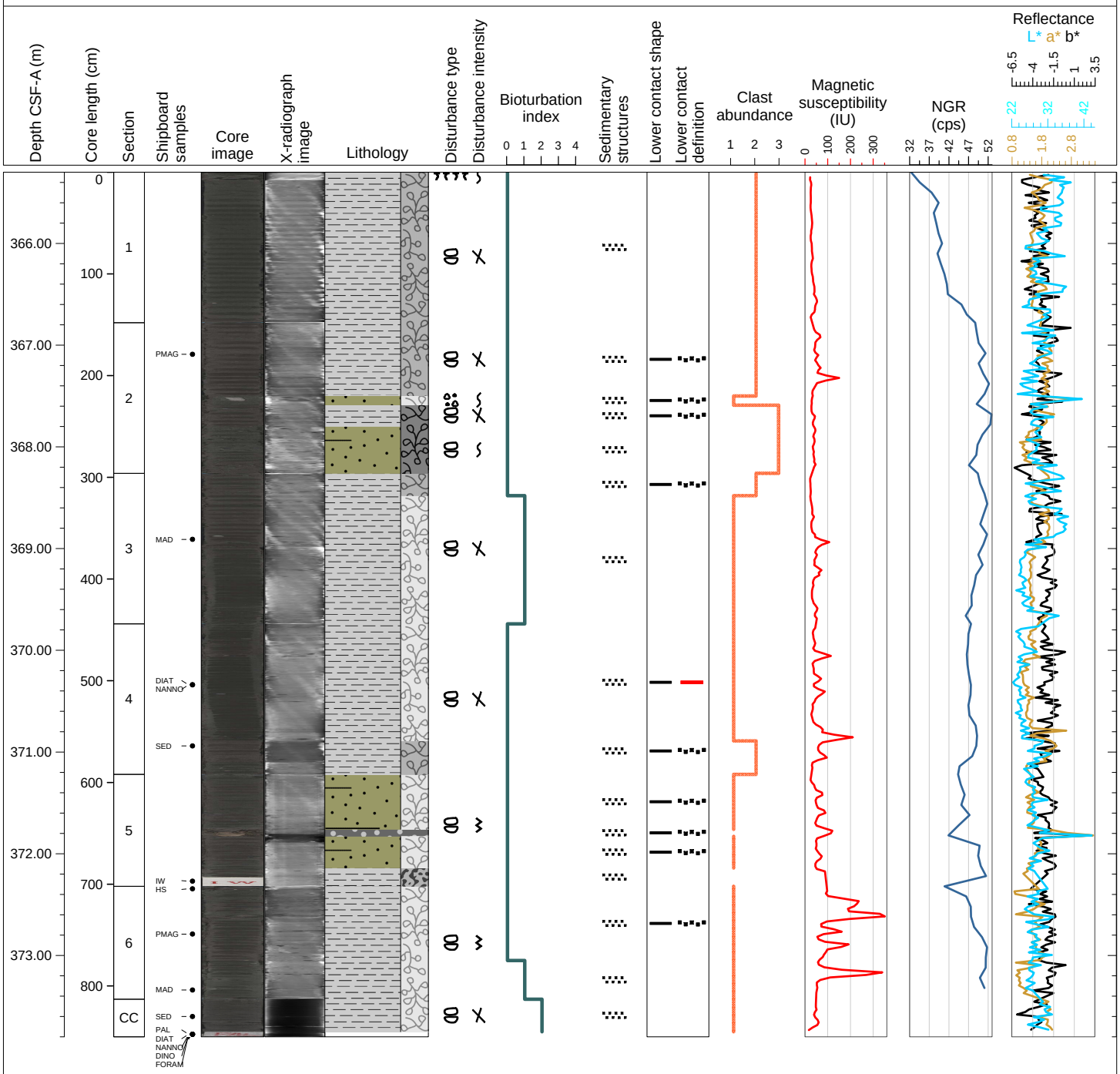
Hole 403-U1618B Core 47X, Interval 358.3-365.13 m (CSF-A)

Intervals of clay and sandy mud with dark patches and dispersed to abundant clasts. There is no apparent bioturbation and sediments are moderately to strongly biscuited.



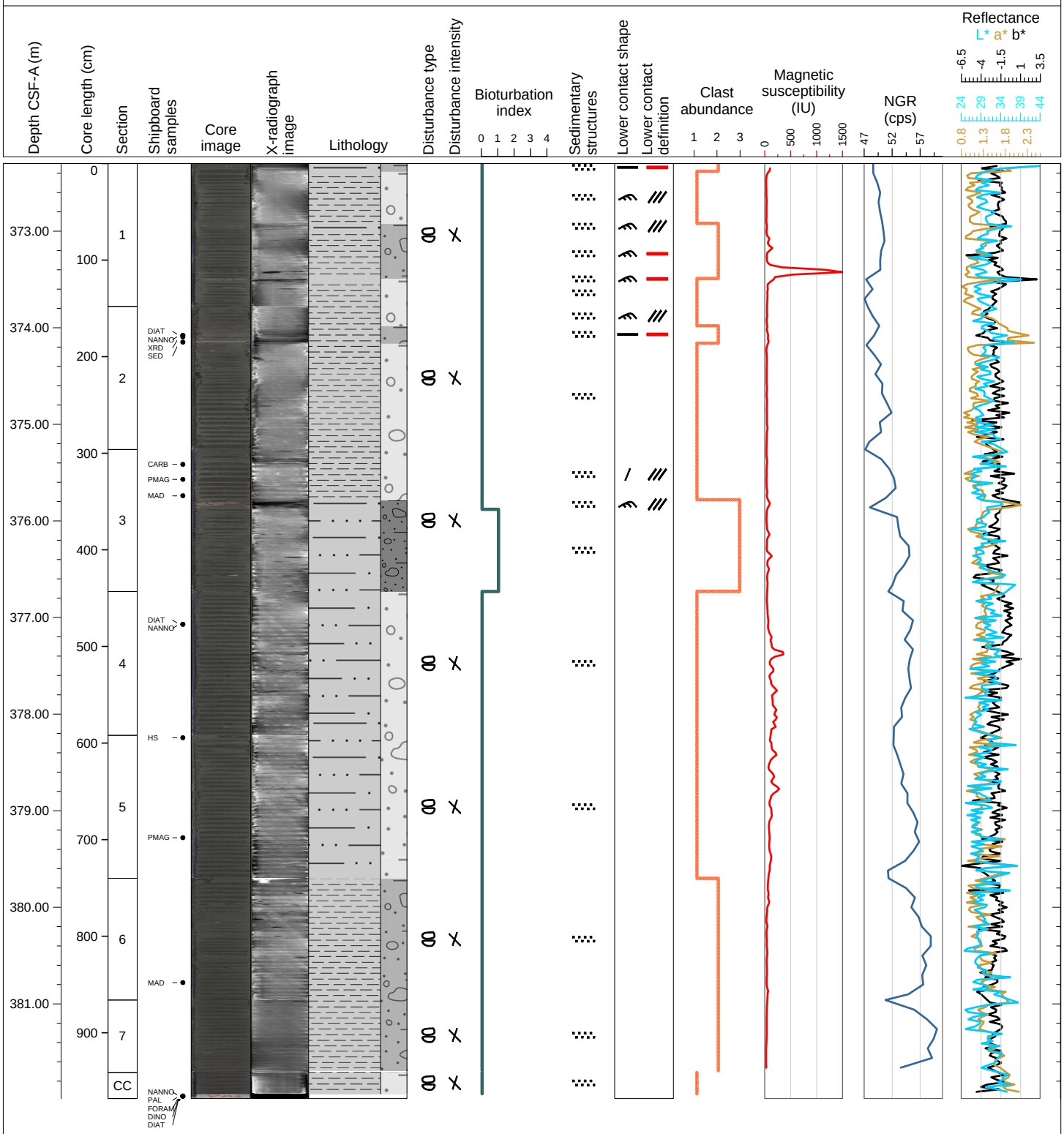
Hole 403-U1618B Core 48X, Interval 365.3-373.8 m (CSF-A)

Dark grey to tan structureless clay to sandy mud with dispersed to common clasts and dark patches. Little to no bioturbation. Uppermost 8 cm slightly fragmented, one interval in section 2 contains mixed sediment. Moderate to strong biscuiting throughout.



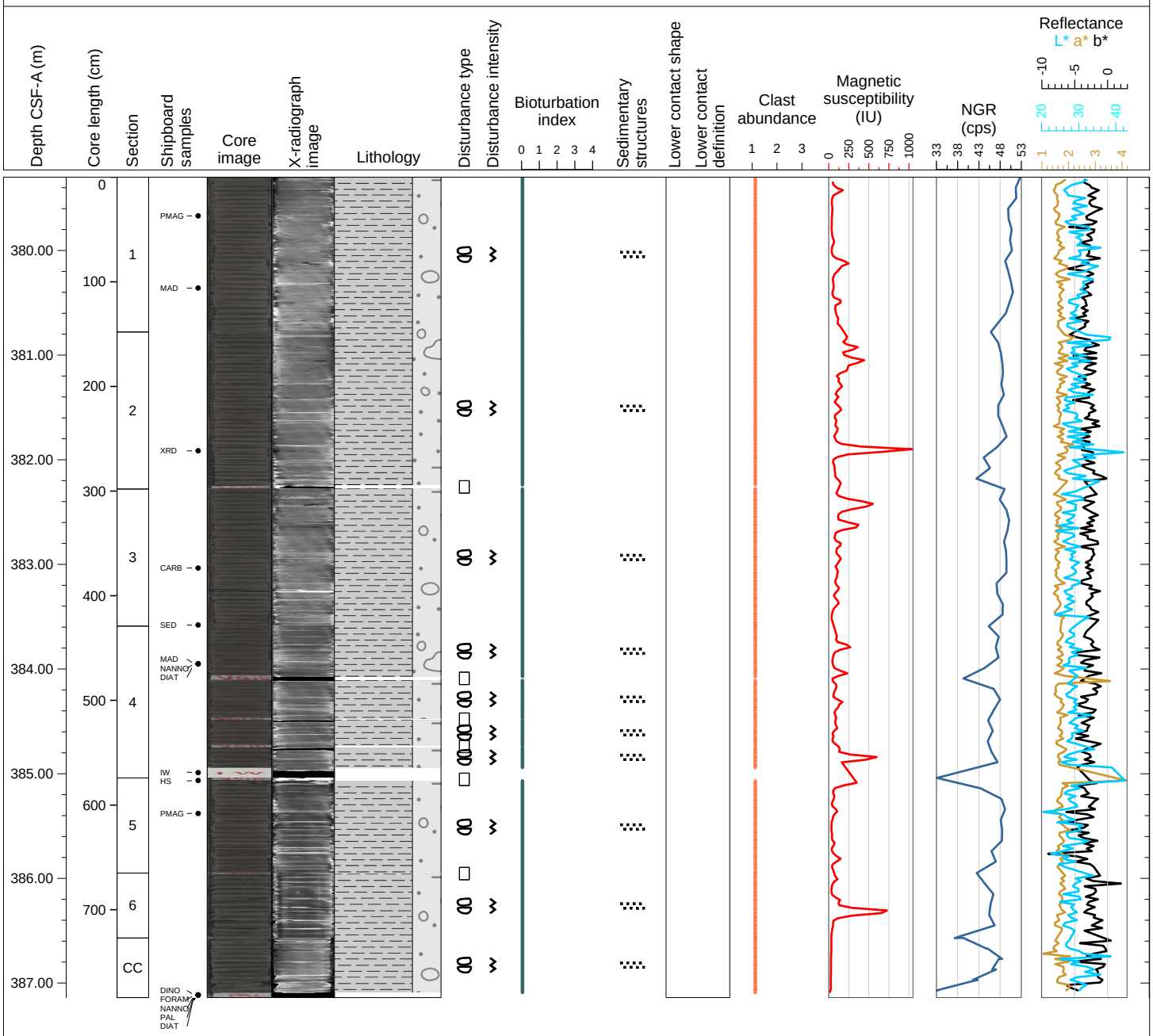
Hole 403-U1618B Core 49X, Interval 372.3-381.98 m (CSF-A)

Dark grey to tan structureless clay to silty clay with dispersed to common clasts. Little to no bioturbation.



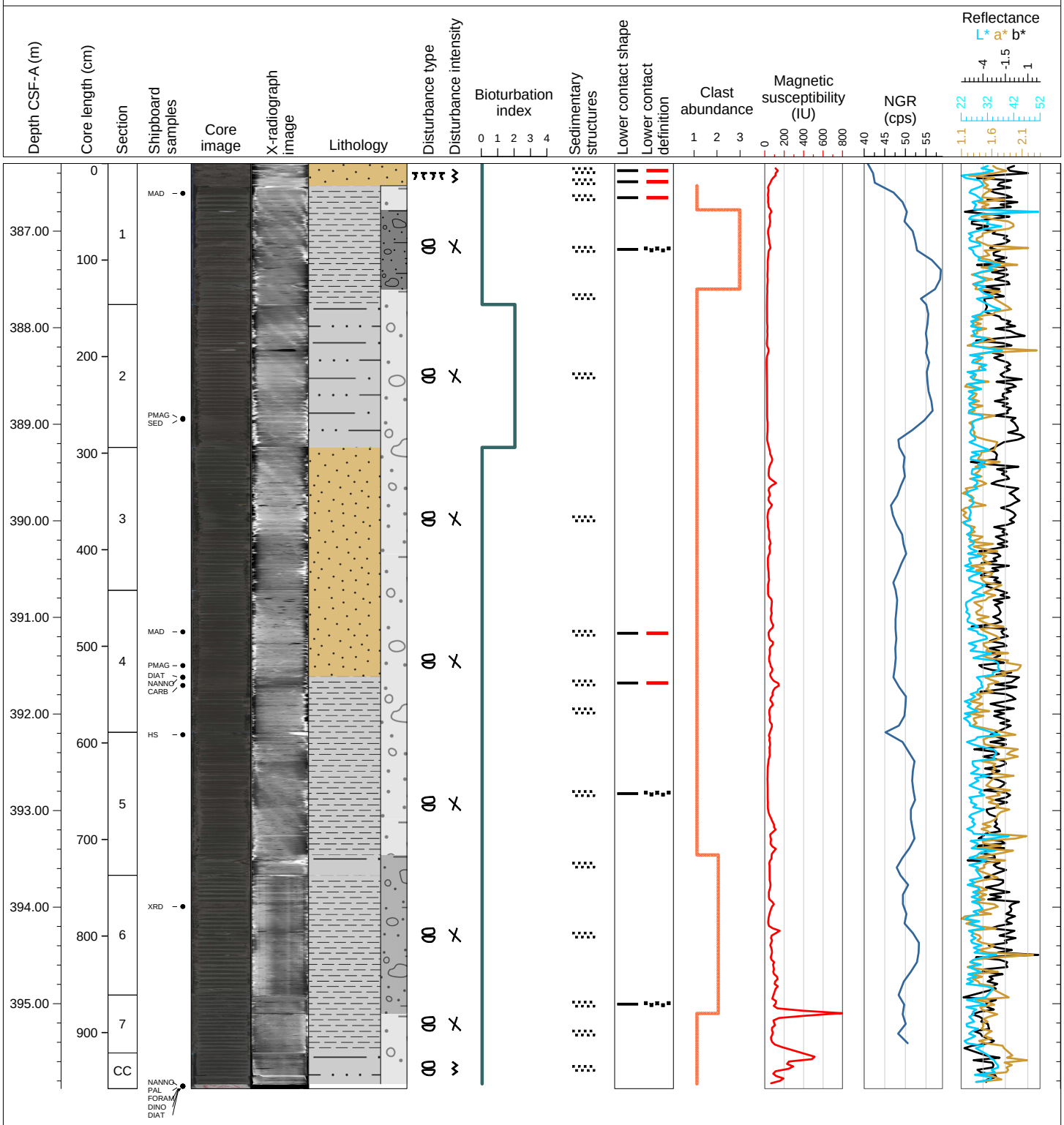
Hole 403-U1618B Core 50X, Interval 379.3-387.14 m (CSF-A)

Dark grey structureless clay with dispersed clasts. No bioturbation. Many void intervals, strong biscuiting throughout.



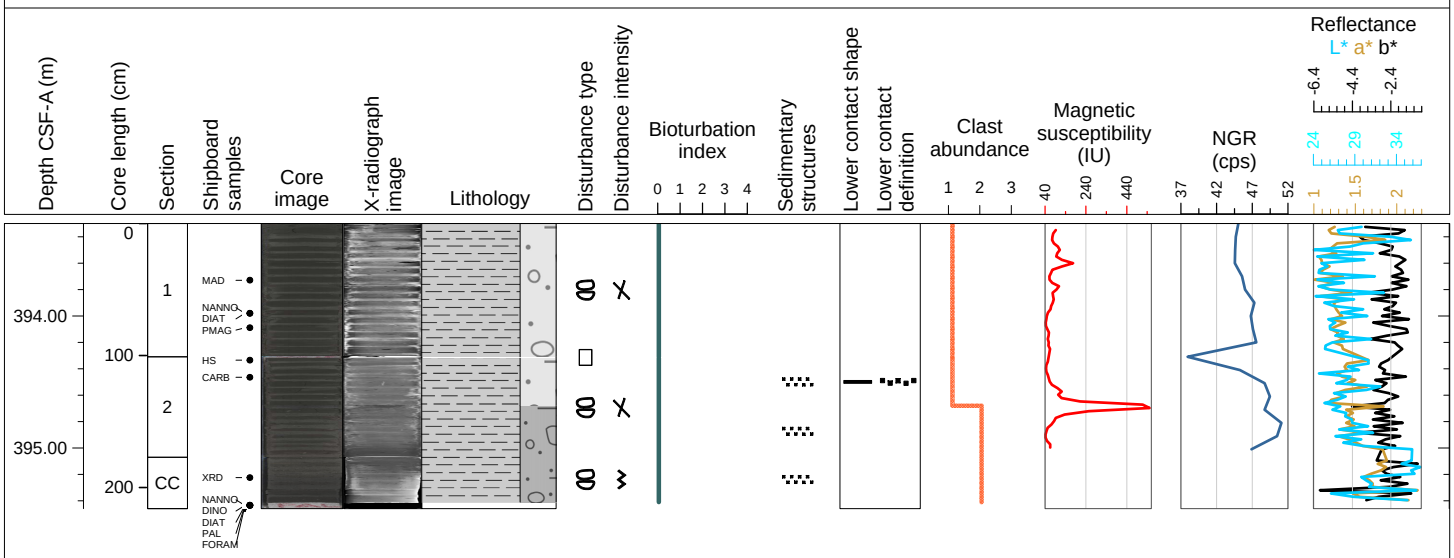
Hole 403-U1618B Core 51X, Interval 386.3-395.88 m (CSF-A)

Dark grey to tan structureless clay to silty clay with dispersed clasts. No bioturbation. Uppermost 26 cm fragmented, moderate to strong biscuiting throughout.



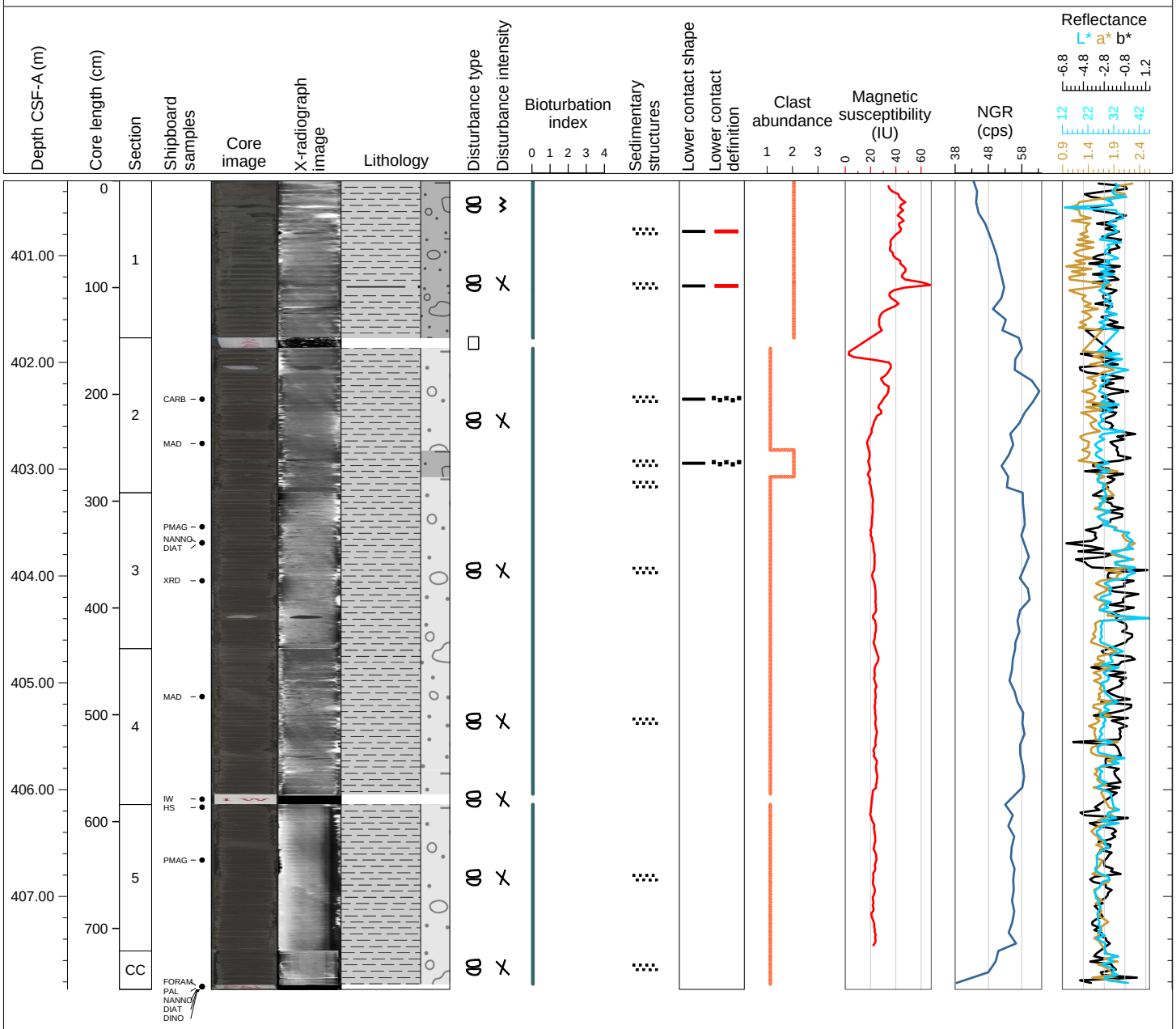
Hole 403-U1618B Core 52X, Interval 393.3-395.46 m (CSF-A)

Dark grey structureless clay with dispersed clasts. No bioturbation. Moderate to strong biscuiting throughout.



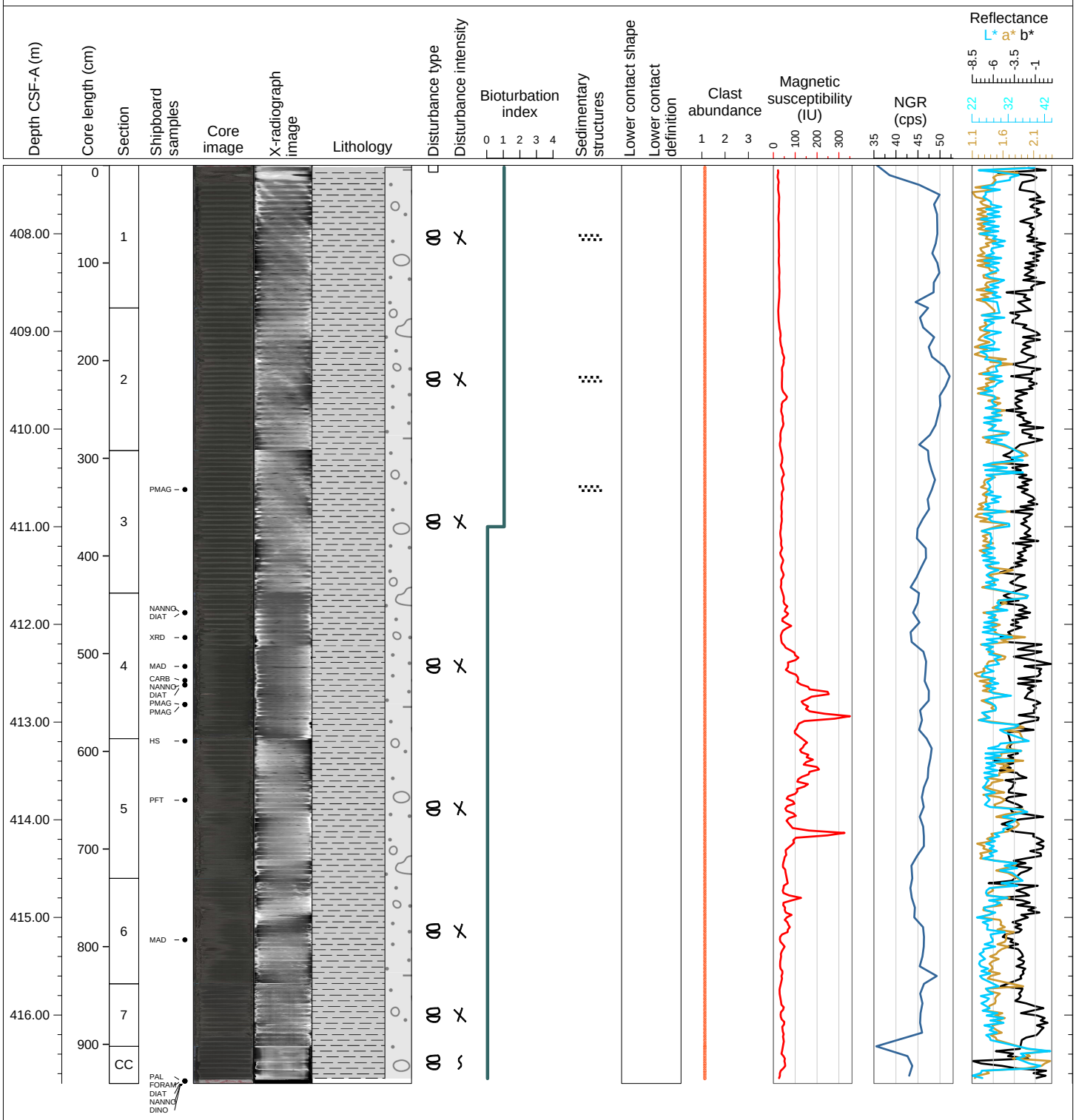
Hole 403-U1618B Core 53X, Interval 400.3-407.87 m (CSF-A)

Dark grey structureless clay to silty clay with dispersed to common clasts. No bioturbation. Moderate biscuiting throughout.



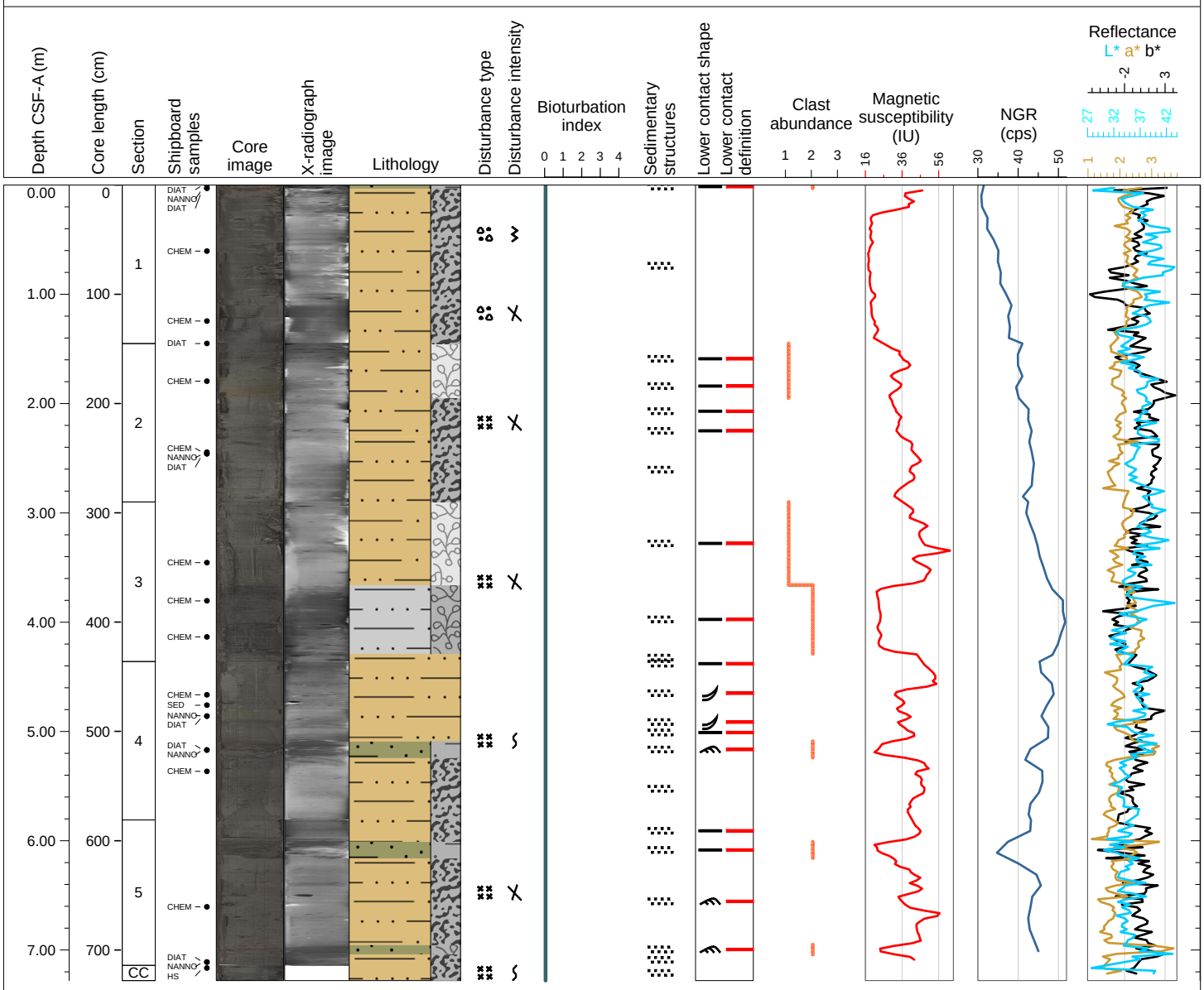
Hole 403-U1618B Core 54X, Interval 407.3-416.7 m (CSF-A)

Dark grey structureless clay with dispersed clasts. Each section heavily influenced by biscuiting due to drilling resulting in alternating silty infil and clay centers. Core transitions from slight bioturbation to thin laminations. Moderate biscuiting thr



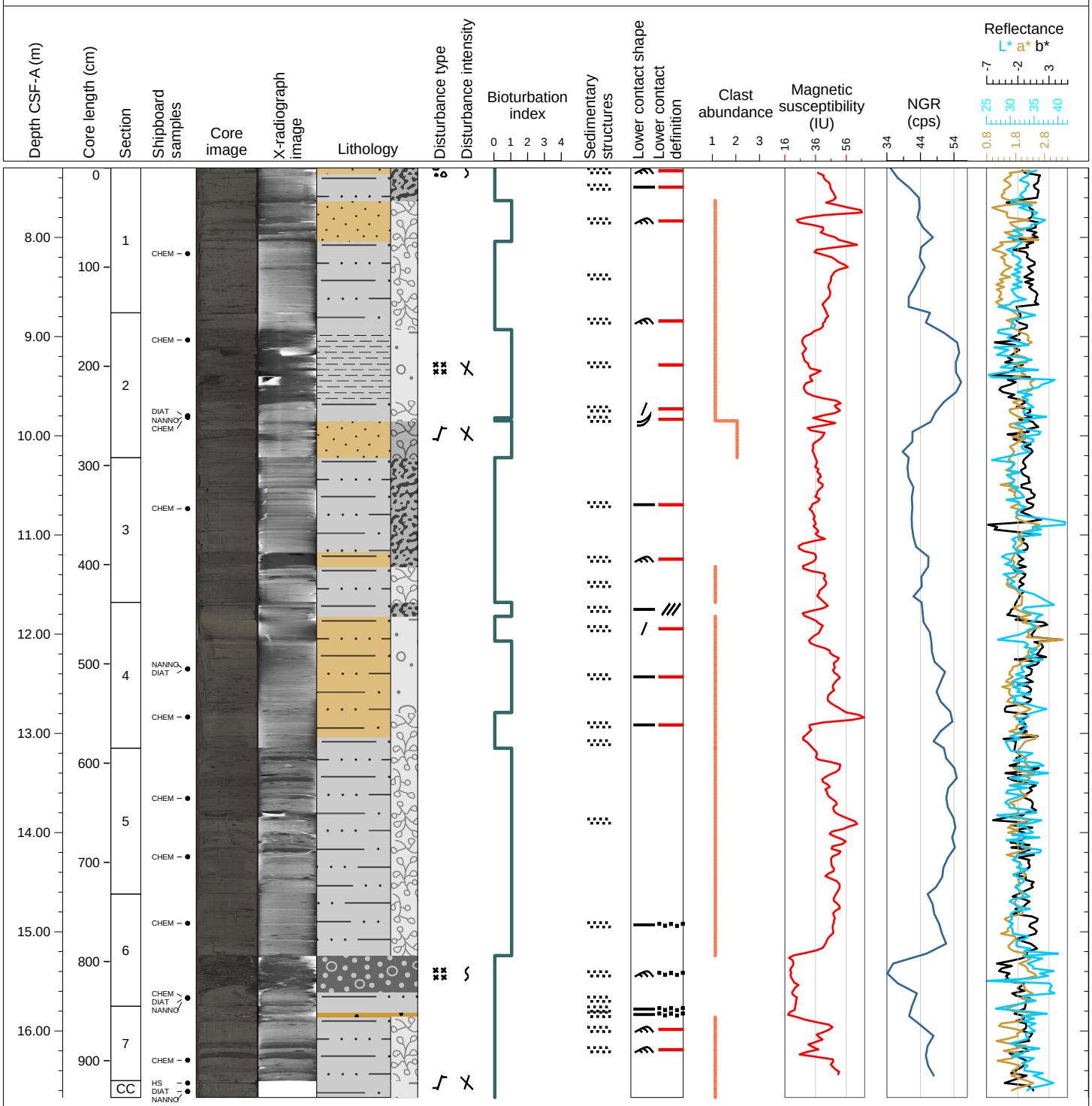
Hole 403-U1618C Core 1H, Interval 0.0-7.28 m (CSF-A)

Dark grey structureless clayey silt with dark patches, partly with dispersed to common clasts, partly sandy. Middle part is clayey silt without patches or clasts. Some reddish layers. No apparent bioturbation. Sections 1+2 disturbed during core splitting,



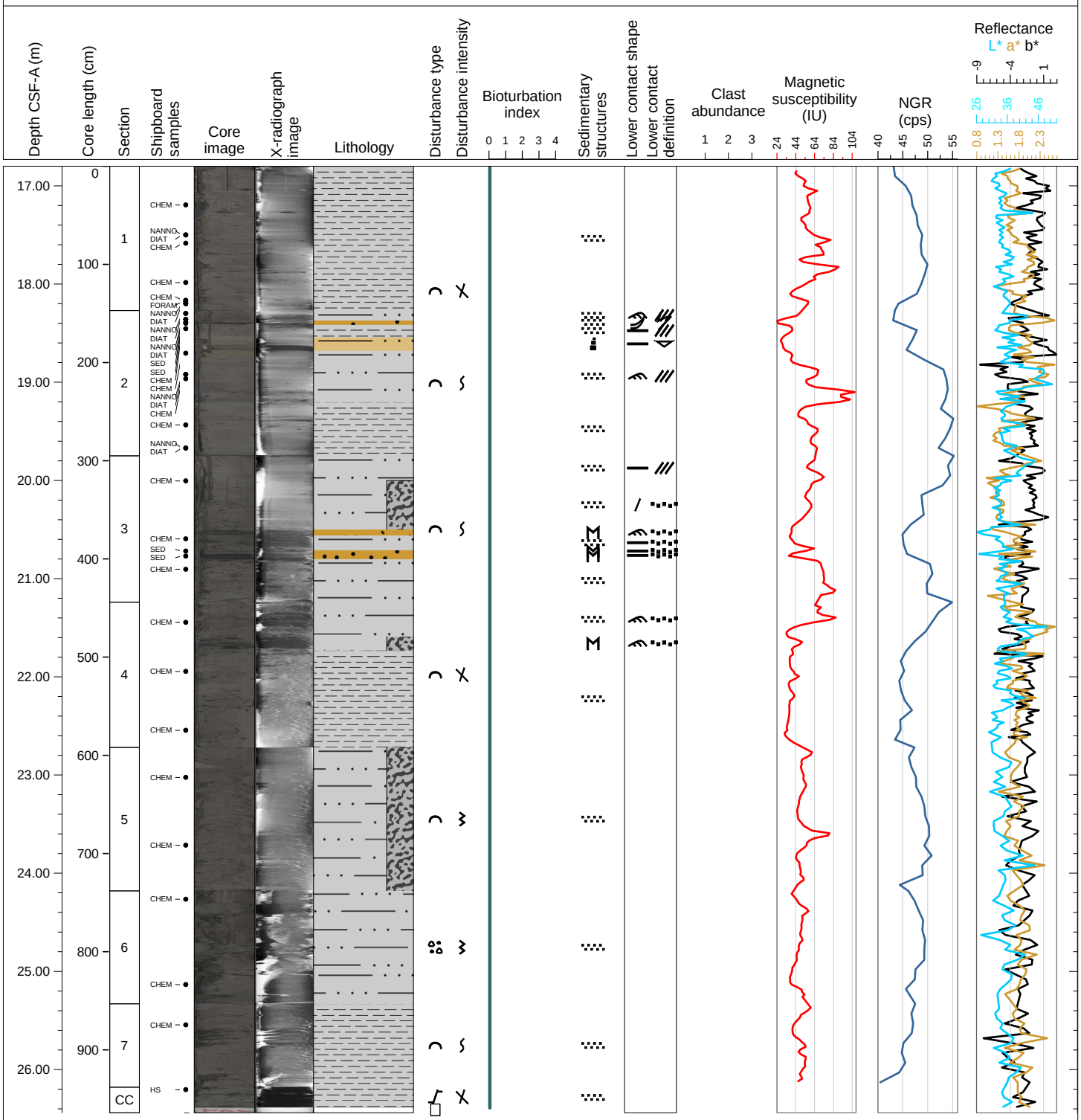
Hole 403-U1618C Core 2H, Interval 7.3-16.67 m (CSF-A)

Dark grey structureless silty clay to silt with dark patches, partly with dispersed to common clasts. One more reddish, one sand and one gravel layer. No apparent to slight bioturbation. Uppermost centimeters slightly disturbed during core opening. Some p



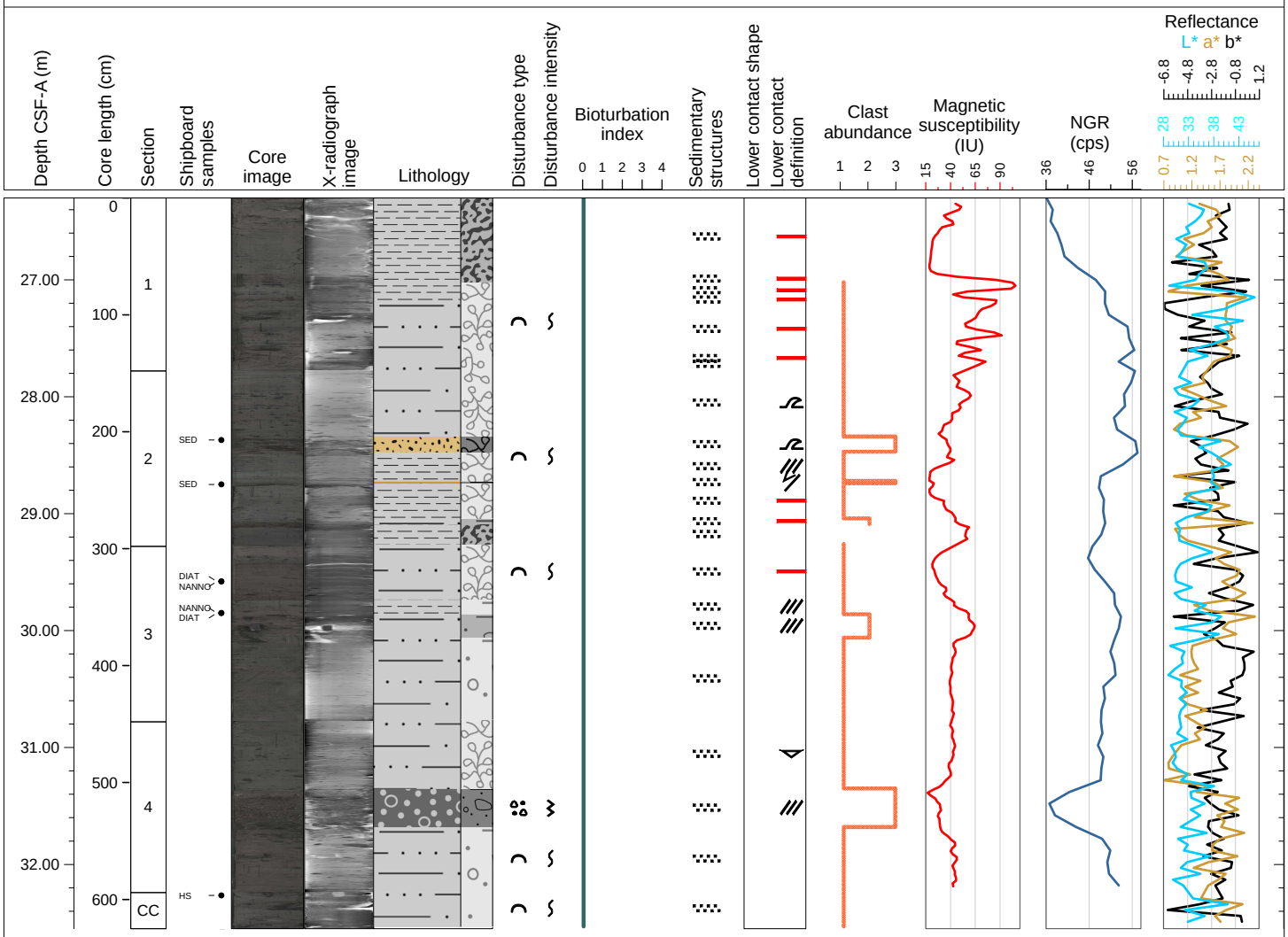
Hole 403-U1618C Core 3H, Interval 16.8-26.44 m (CSF-A)

Intervals of clay, clayey silt, and silty clay with rare dark patches. There is a black patch at 14cm above an interval of normally graded clayey silt. Otherwise, sediments are structureless with no apparent bioturbation. Sediments are up-arched throughou



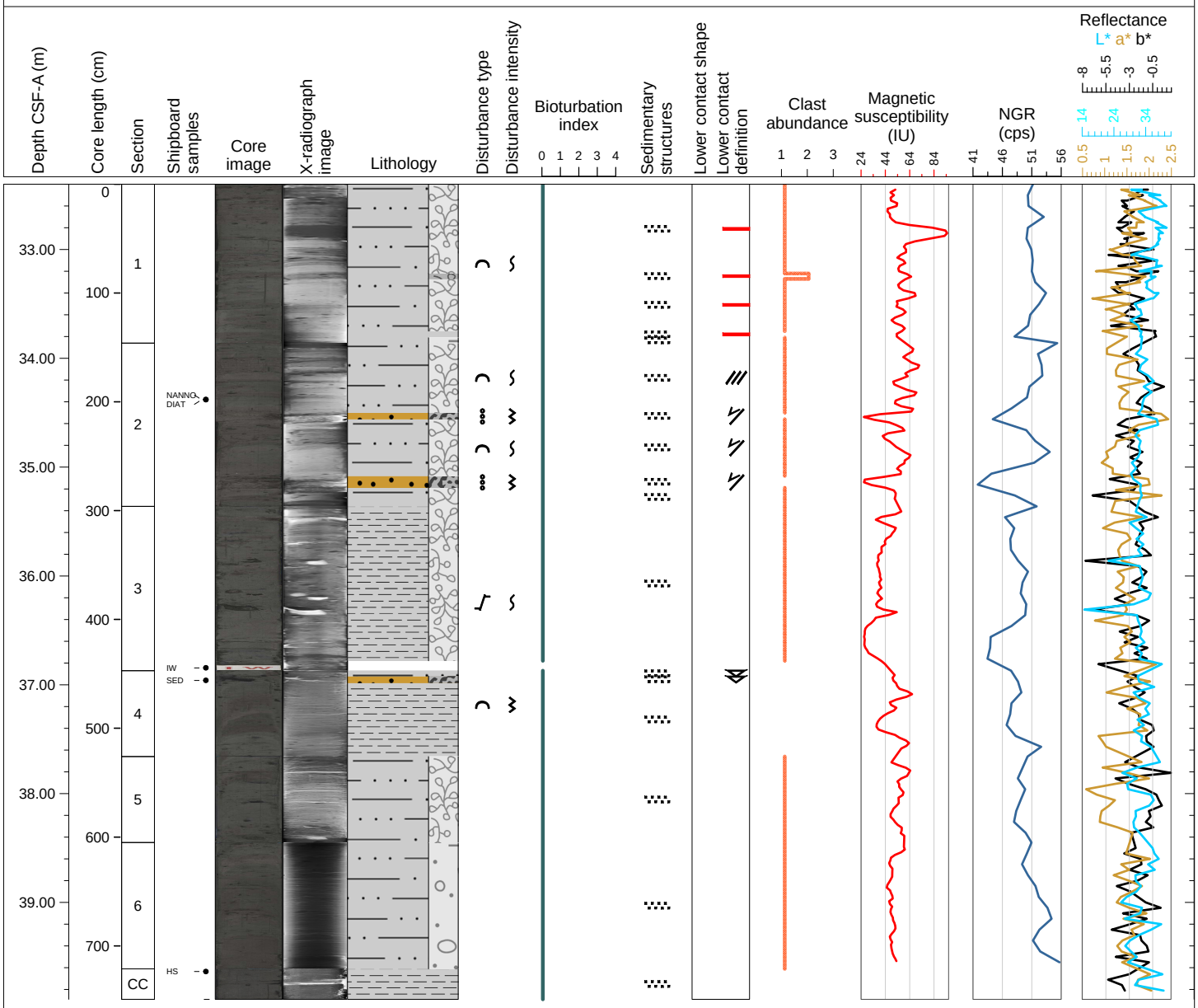
Hole 403-U1618C Core 4H, Interval 26.3-32.55 m (CSF-A)

Sediments alternate between silty clay and clay with a gravel-rich interval at the bottom portion of Section 4. Dark patches and dispersed clasts range from dispersed to abundant but are structureless with no apparent bioturbation. Sediments are slightly



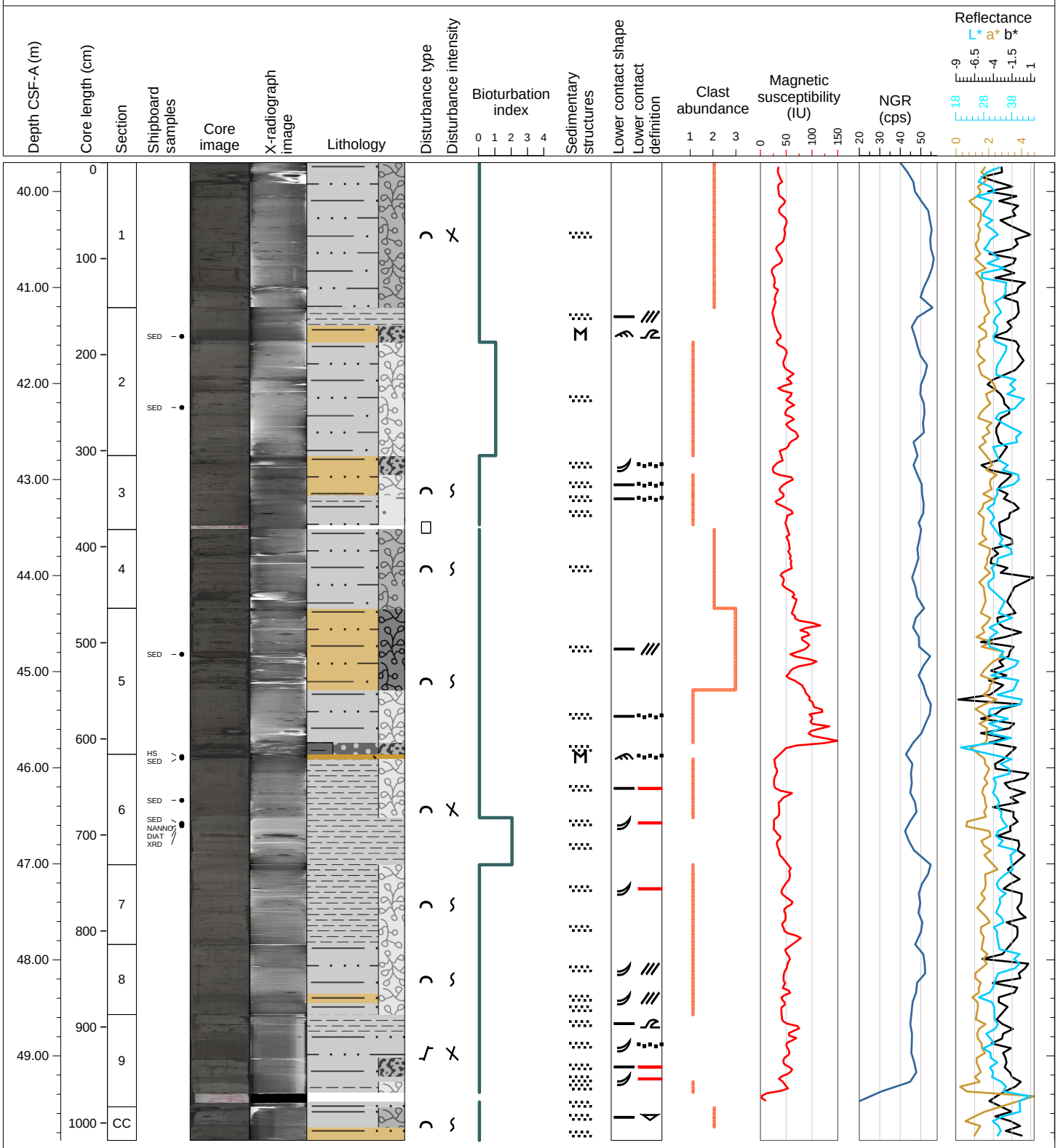
Hole 403-U1618C Core 5H, Interval 32.4-39.89 m (CSF-A)

Sediments alternate between clay and silty clay with alternating clay/silty clay and sand mid-core. Dark patches and clast abundance tend to increase up-core. Sediments are generally structureless with no apparent bioturbation. Up-arching, fracturing, and



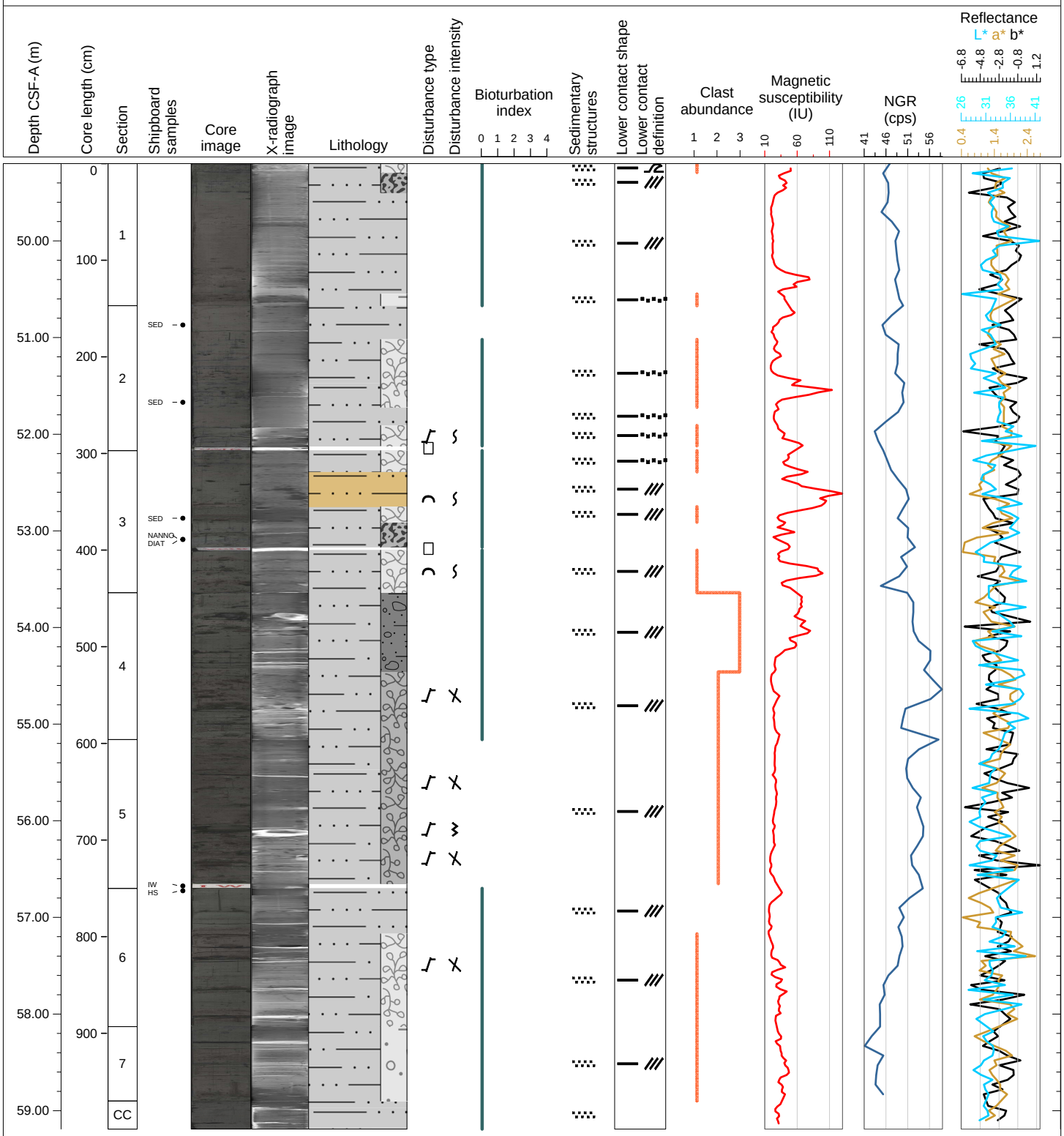
Hole 403-U1618C Core 6H, Interval 39.7-49.88 m (CSF-A)

Sediments alternate between clay, silty clay, and clayey silt with a gravel-rich interval at the base of Section 5. There are dark patches and dispersed to common clasts without, generally increasing mid-core. There is no apparent bioturbation other than



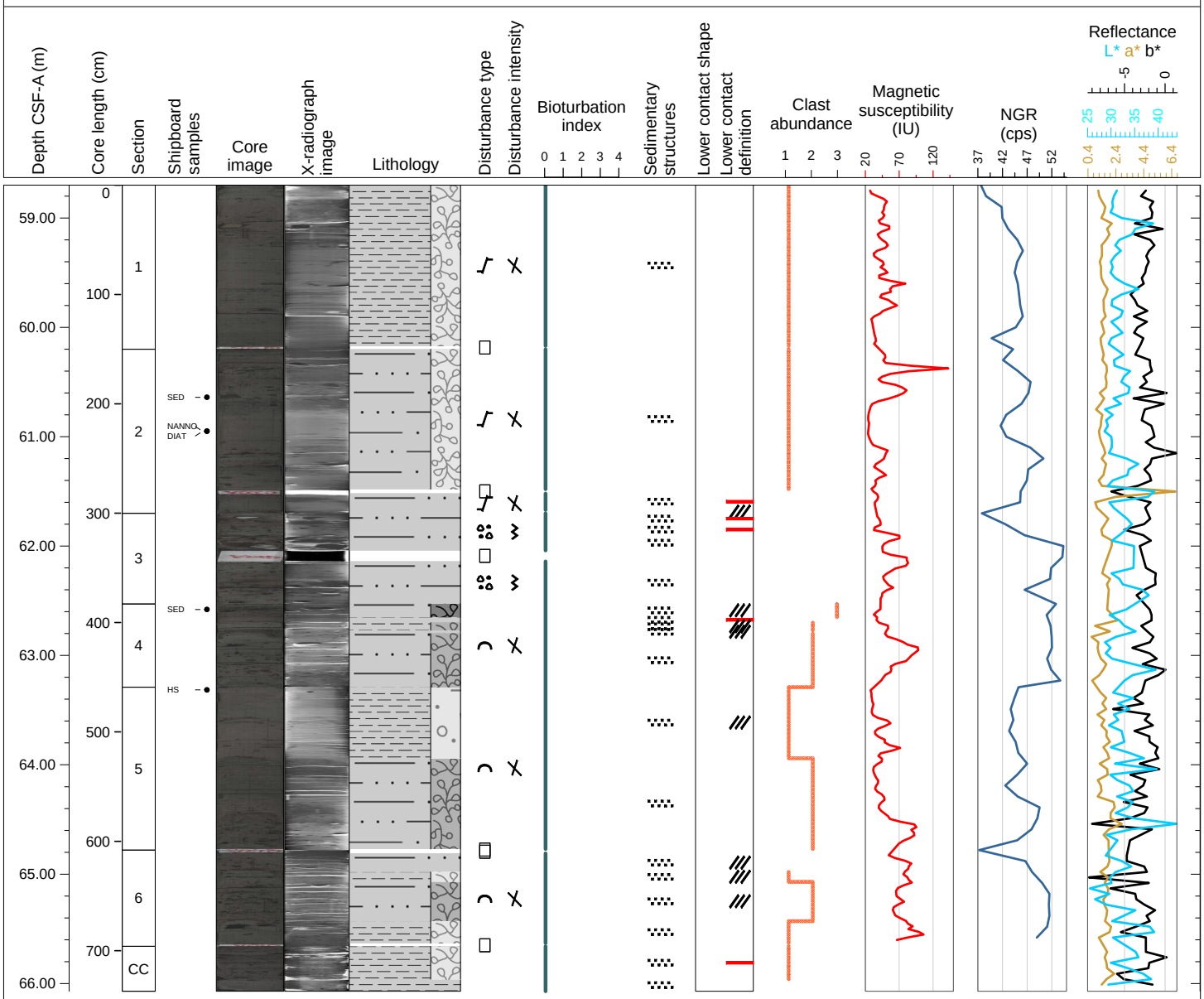
Hole 403-U1618C Core 7H, Interval 49.2-59.19 m (CSF-A)

Entirely silty clay other than one clayey silt interval mid-core. There are dark patches and dispersed to common clasts throughout with a thin (0.5 cm) sand interval at 56 cm and thin bands of sand at 23-25, 33, and 43-47 cm. Sediments are structureless w



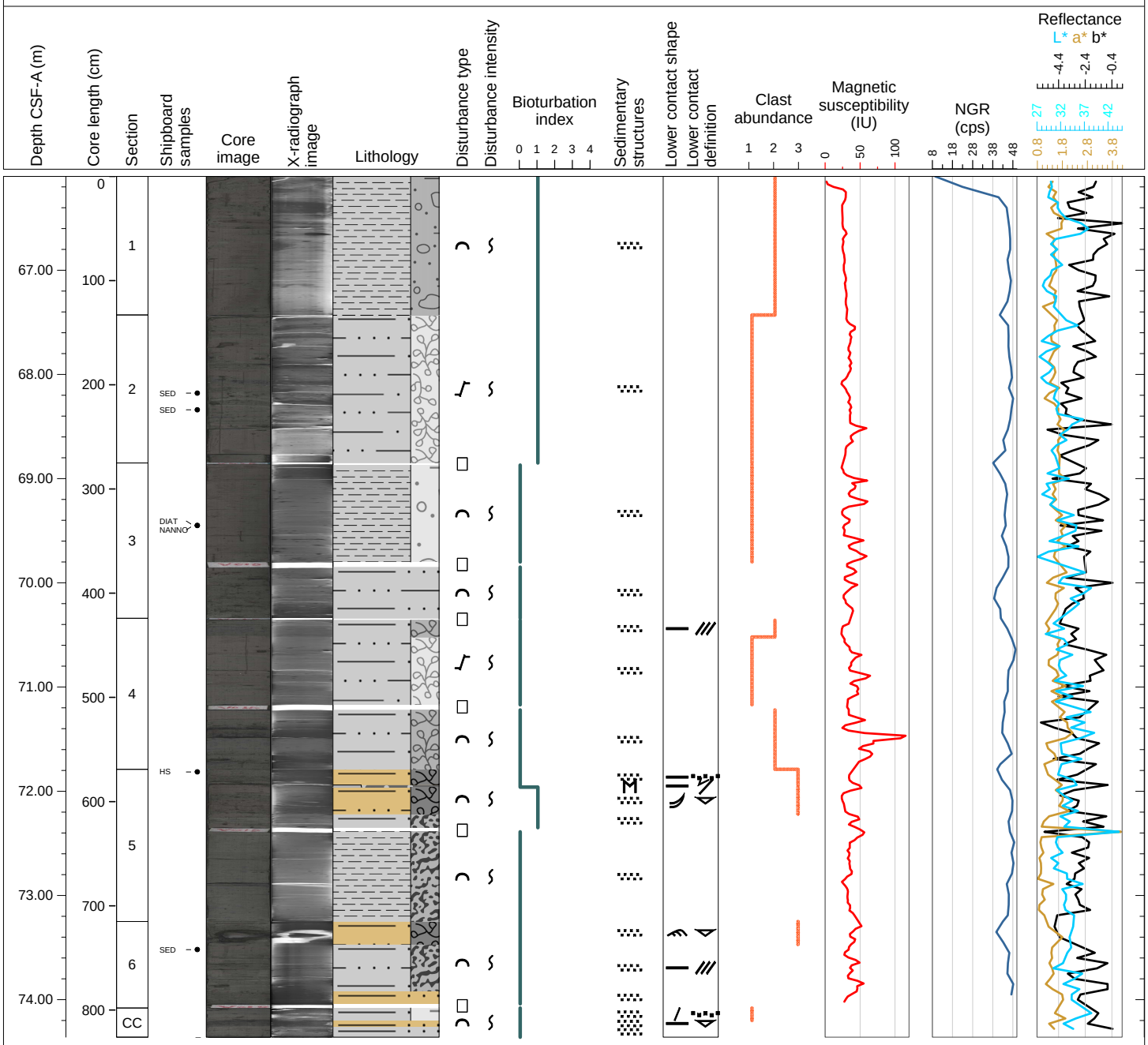
Hole 403-U1618C Core 8H, Interval 58.7-66.07 m (CSF-A)

Alternating intervals of clay and silty clay with dark patches and dispersed to common clasts throughout, decreasing up-core. There is sandy patch with a dark rim from 36-40cm, a greenish coarse patch from 42-45cm, a 3cm clast at 5cm, a 5cm angular clast



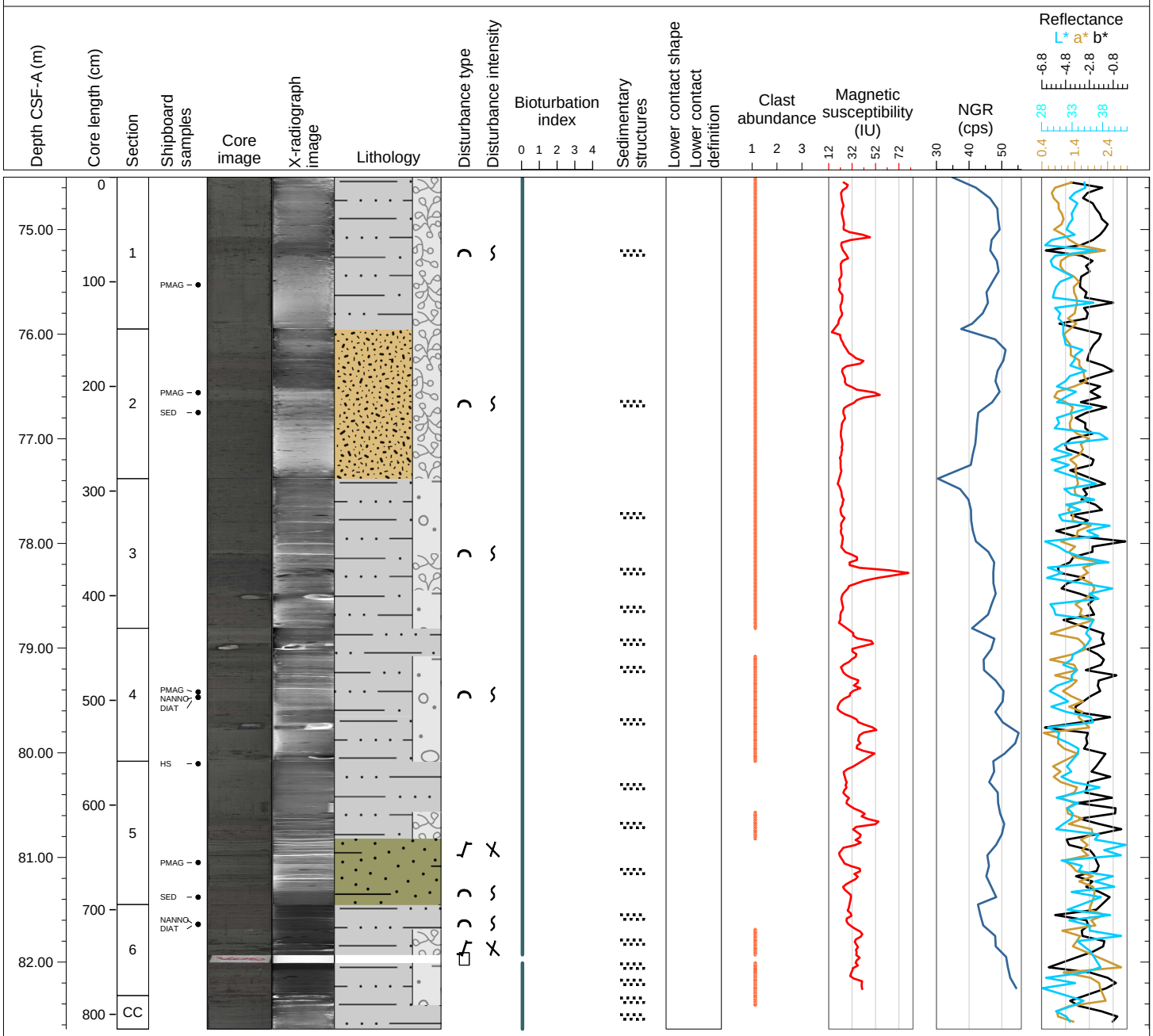
Hole 403-U1618C Core 9H, Interval 66.1-74.36 m (CSF-A)

Alternating intervals of clay, silty clay, and clayey silt with a muddy gravel interval towards the top of Section 5. There is a 5 cm wide clast at 11-18 cm. Above this, there are also blackish (10YR 2/1) silty 3 mm thick layers at 104cm and 114 cm. Sedim



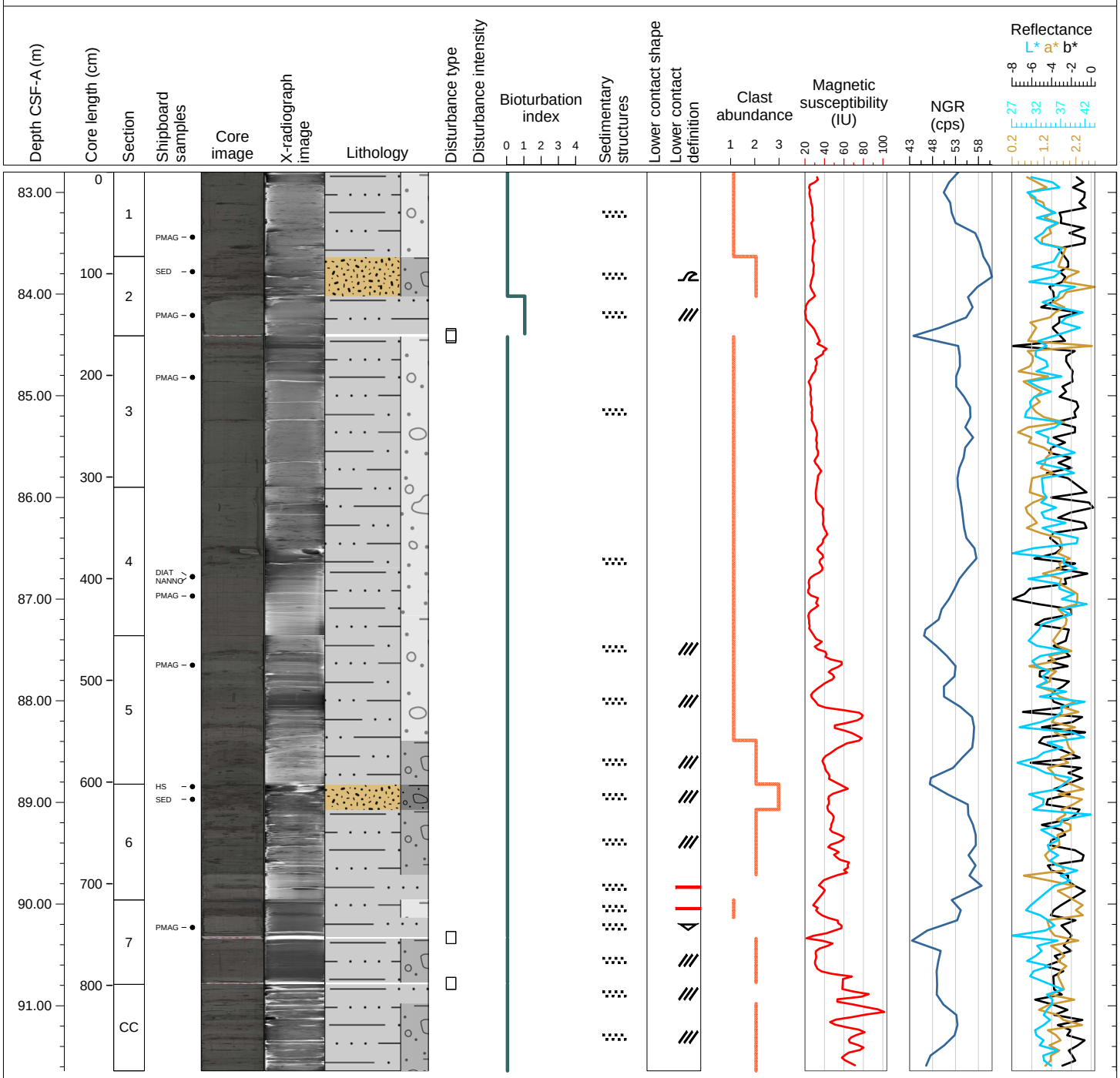
Hole 403-U1618C Core 10H, Interval 74.5-82.64 m (CSF-A)

Primarily silty clay with some intervals of sandy silt/mud. Dispersed clasts are found throughout the core with an increase in dark patches up-core. There are large (4-3 cm) clasts at 17-21 and 91-94 cm in Section 4. Sediments are structureless with no ap



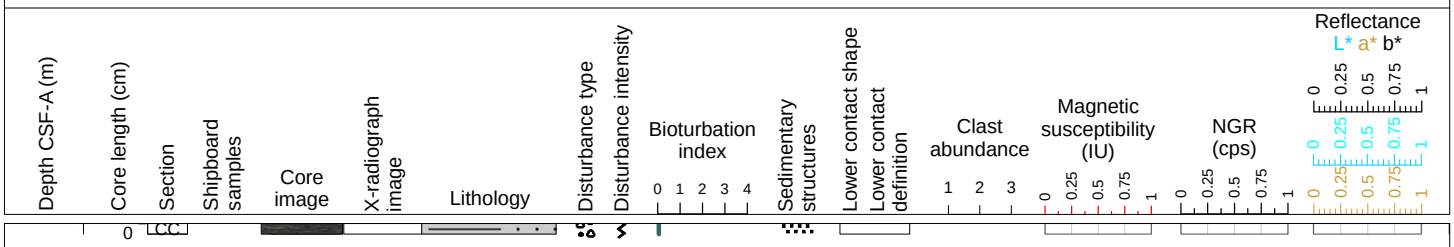
Hole 403-U1618C Core 11H, Interval 82.8-91.64 m (CSF-A)

Primarily silty clay with small intervals of sandy silt. Clasts are common at the base of the core, dispersed to abundant mid-core, and dispersed to common clasts at the top of the core. There is a large (6 cm) clast from 2-8 cm in Section 6. Sediments ar



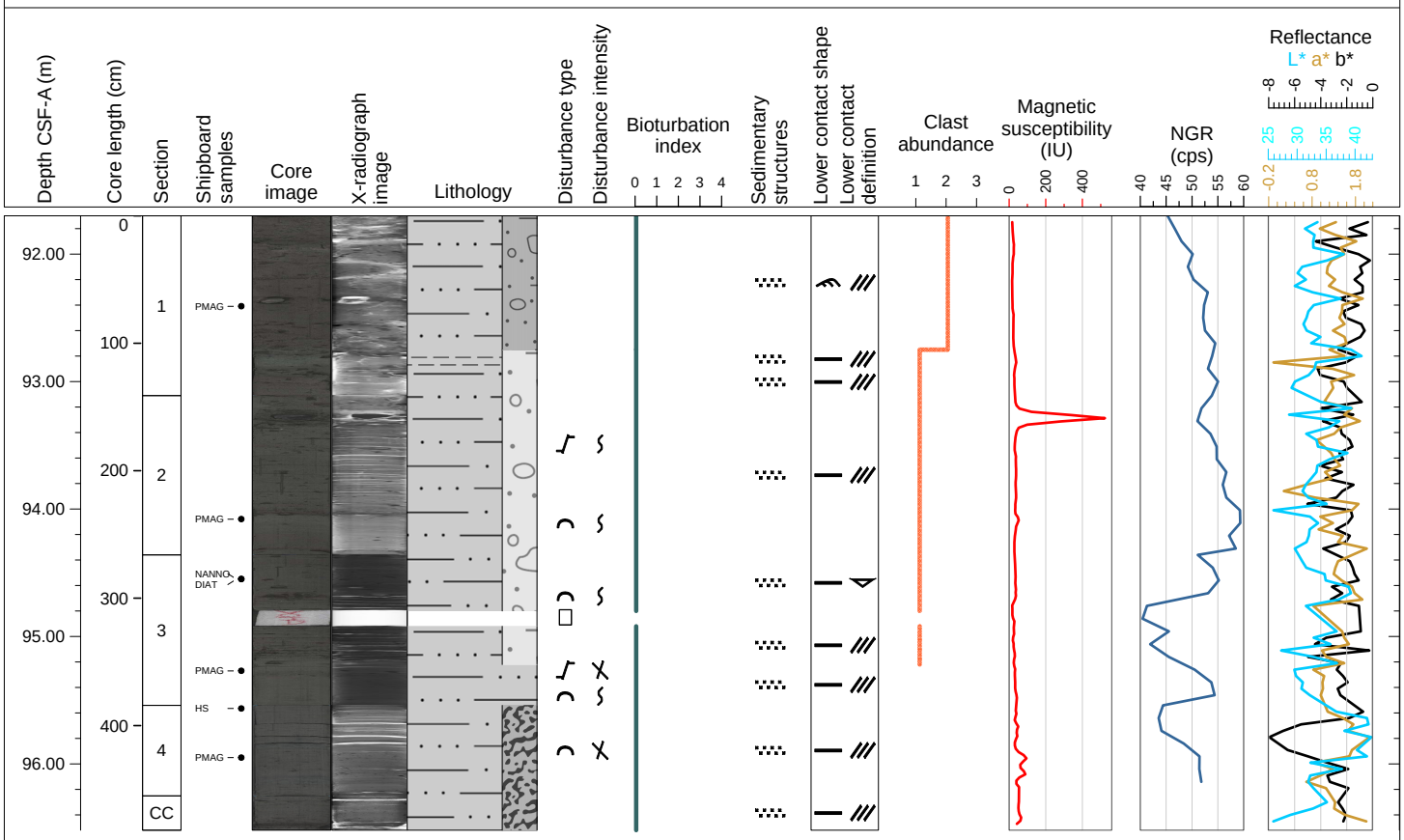
Hole 403-U1618C Core 12H, Interval 91.6-91.68 m (CSF-A)

There is only 8cm of material recovered from Core 12 and is silty clay, mixed due to drilling disturbance.



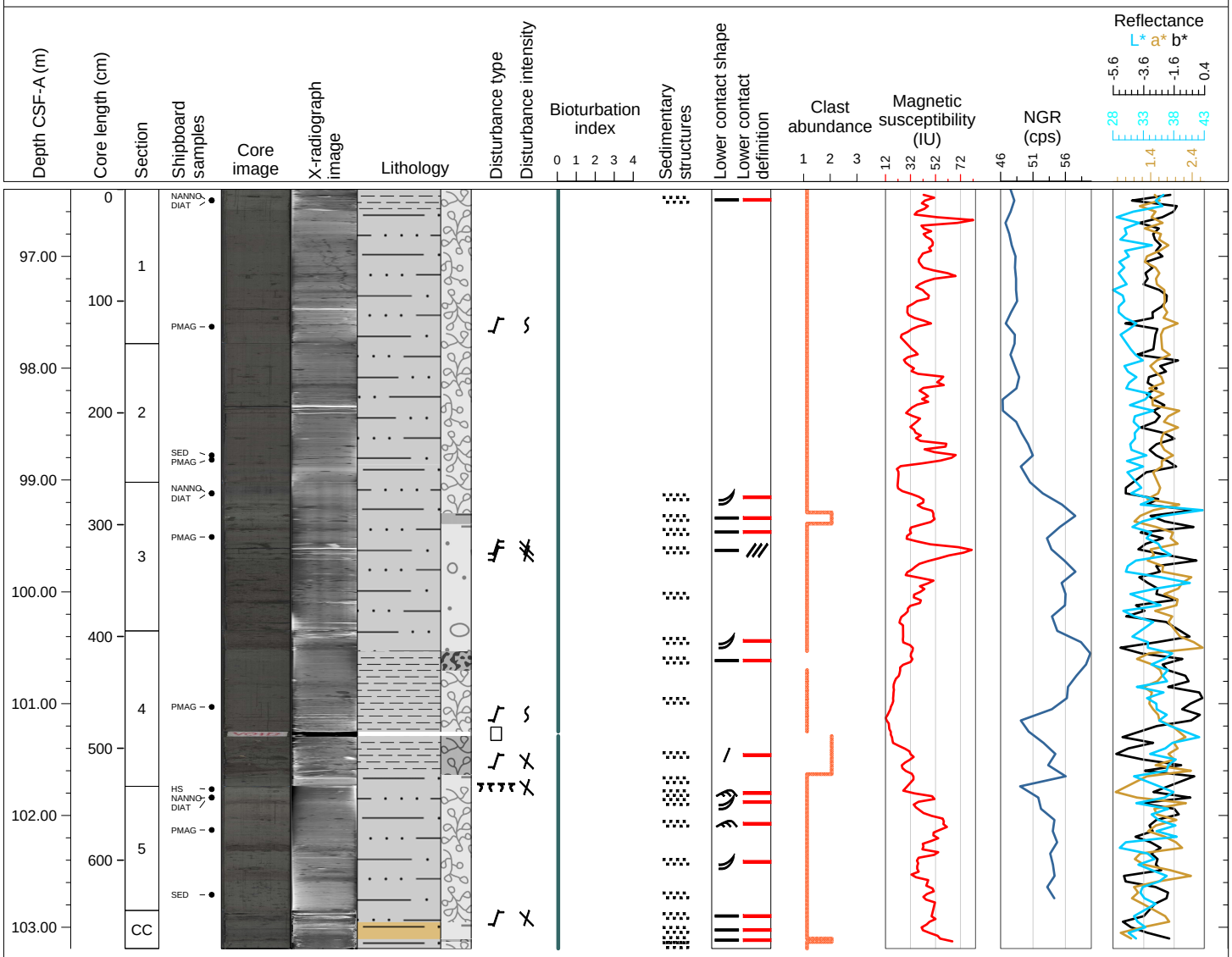
Hole 403-U1618C Core 13F, Interval 91.7-96.52 m (CSF-A)

Dark grey slightly greenish structureless silty clay with dark patches or dispersed to common clasts. No apparent bioturbation. Slight to moderate up-arching in some sections, some fractured parts.



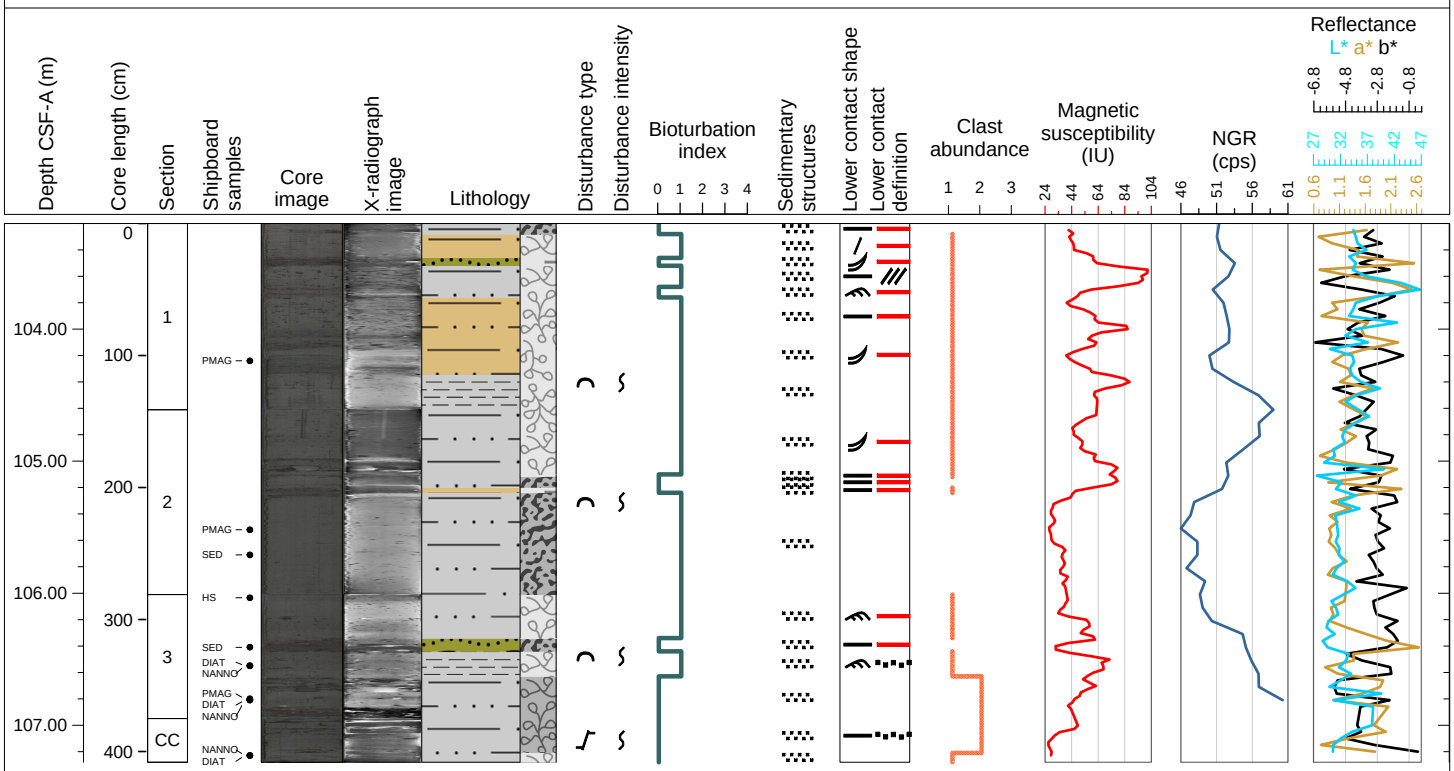
Hole 403-U1618C Core 14H, Interval 96.4-103.19 m (CSF-A)

Dark grey structureless silty clay with dispersed to common clasts, some intervals with dark patches. No apparent bioturbation. Some parts are slightly to moderately fractured.



Hole 403-U1618C Core 15F, Interval 103.2-107.28 m (CSF-A)

Dark grey structureless silty clay with dark patches and mostly dispersed to common clasts. Some reddish layers of clay or sandy clay. No apparent to slight bioturbation. Most parts show slight up-arching, core catcher is fractured.



Hole 403-U1618C Core 161, Interval 107.9-107.9 m (CSF-A)

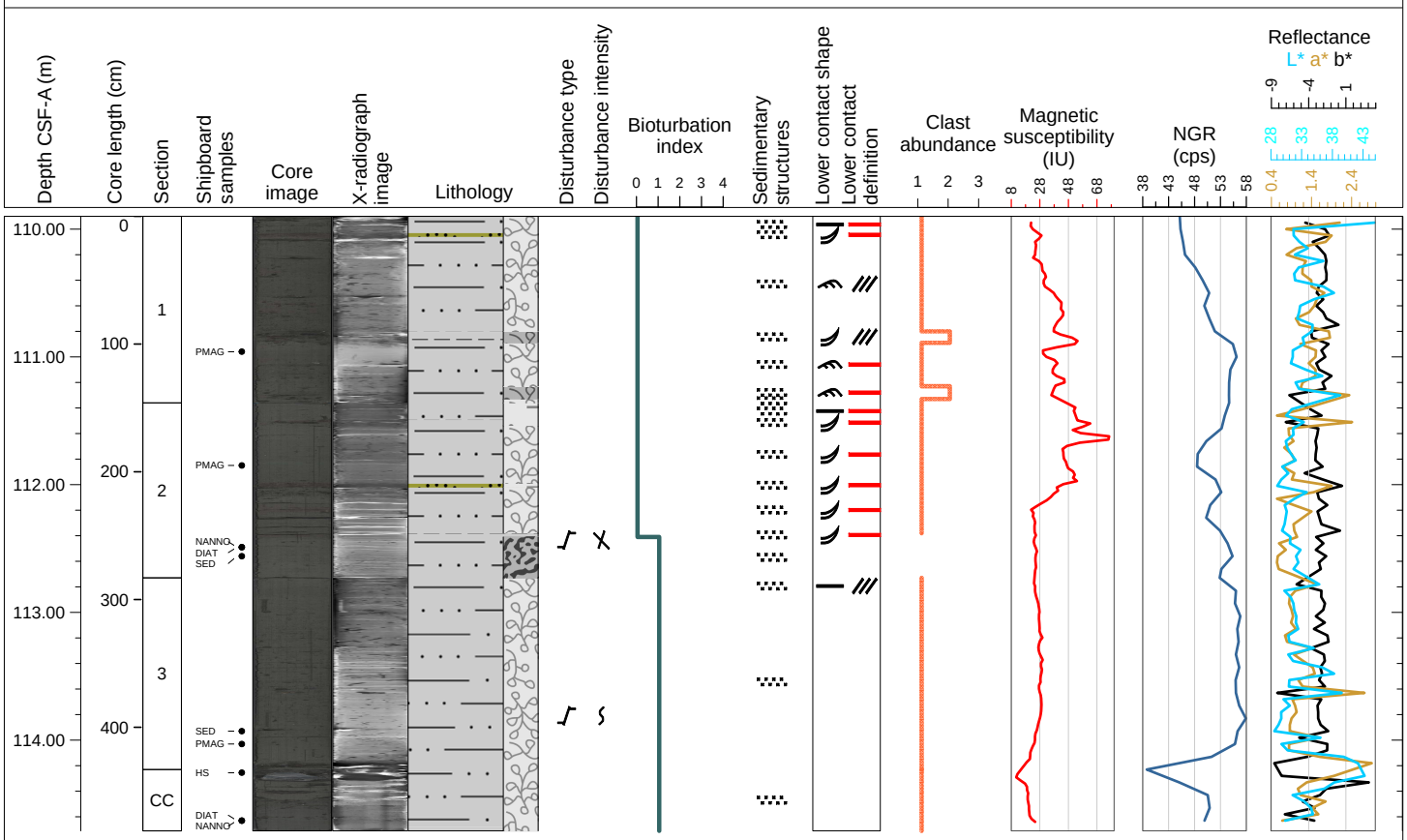
DRILLED INTERVAL (107.9-109.9 m)

Depth CSF-A (m) | Core length (cm) | Section | Shipboard samples | Core image | X-radiograph image | Lithology | Disturbance type | Disturbance intensity | Bioturbation index (0 1 2 3 4) | Sedimentary structures | Lower contact shape | Lower contact definition | Clast abundance (1 2 3) | Magnetic susceptibility (IU) (0 0.25 0.5 0.75 1) | NGR (cps) (0 0.25 0.5 0.75 1) | Reflectance L* a* b* (0 0.25 0.5 0.75 1)

0

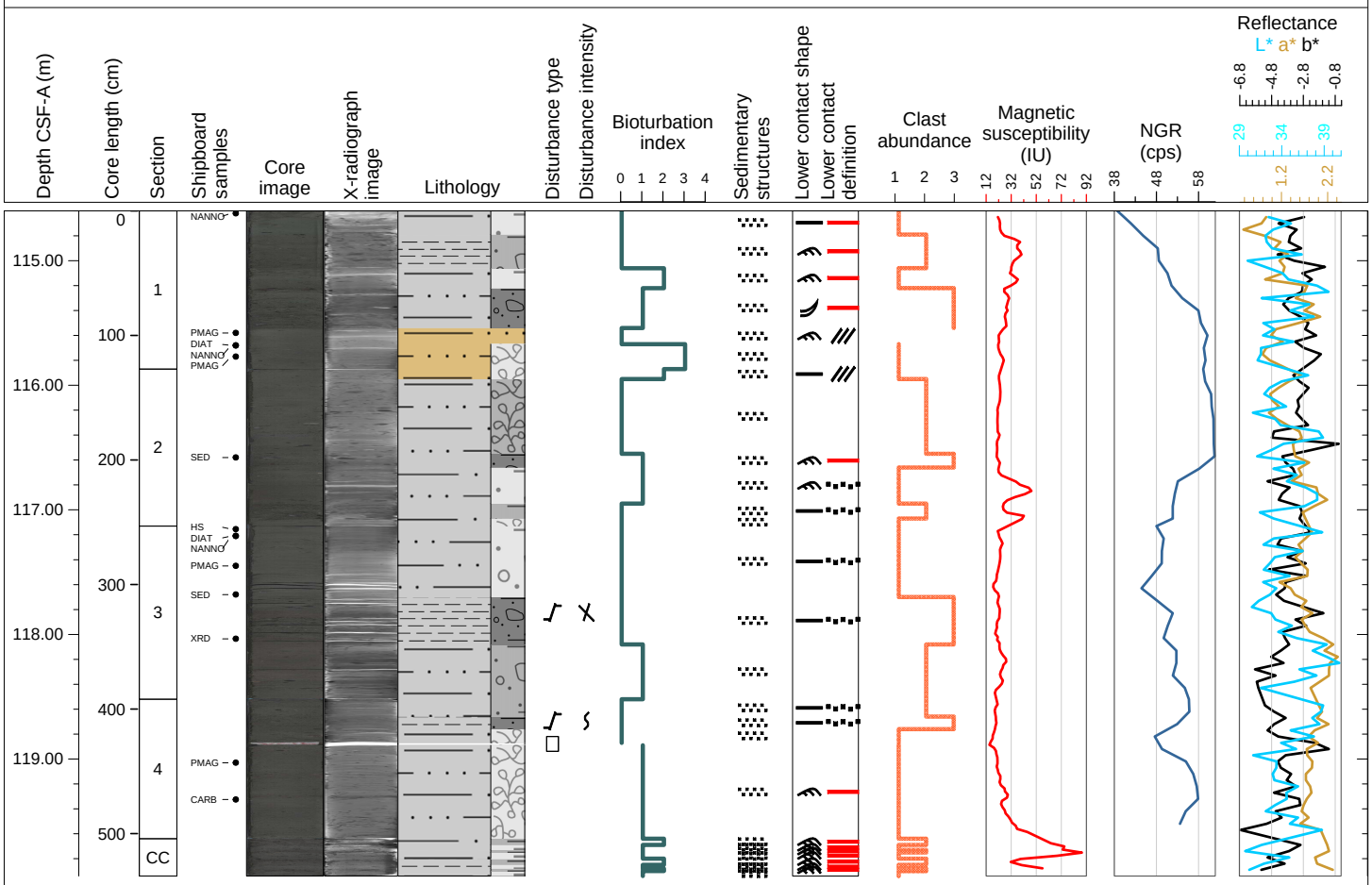
Hole 403-U1618C Core 17F, Interval 109.9-114.71 m (CSF-A)

Dark grey structureless clay to silty clay with dark patches and dispersed to common clasts. Some layers more reddish, some slightly sandy. No apparent bioturbation, lowermost part of core slightly bioturbated. Some parts are slightly to moderately fractu



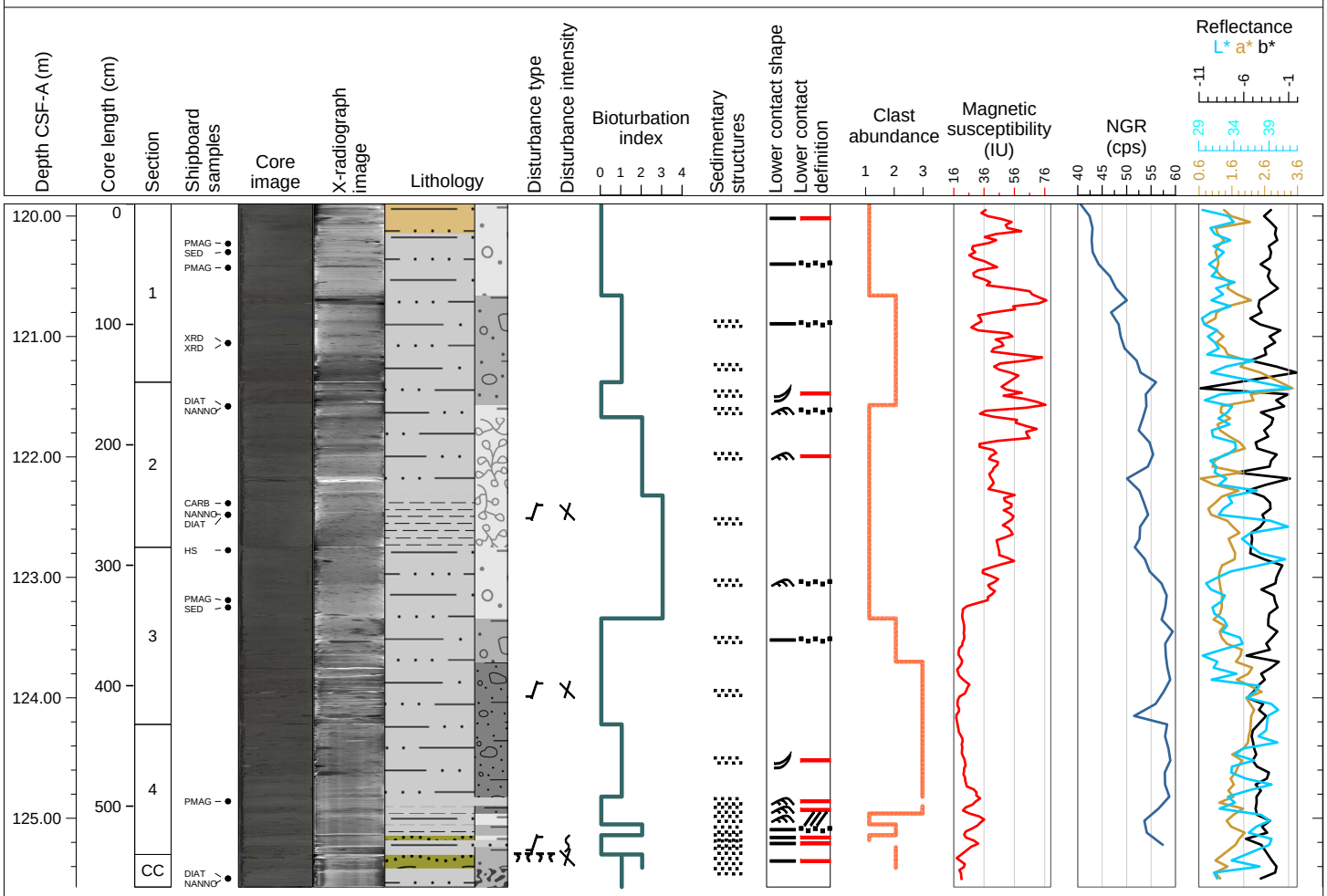
Hole 403-U1618C Core 18H, Interval 114.6-119.94 m (CSF-A)

Dark grey structureless silty clay to clayey silt with dispersed to abundant clasts, some with dark patches. Some layers are slightly greenish. Bioturbation variable from no apparent to heavily bioturbated. Middle part is slightly fractured.



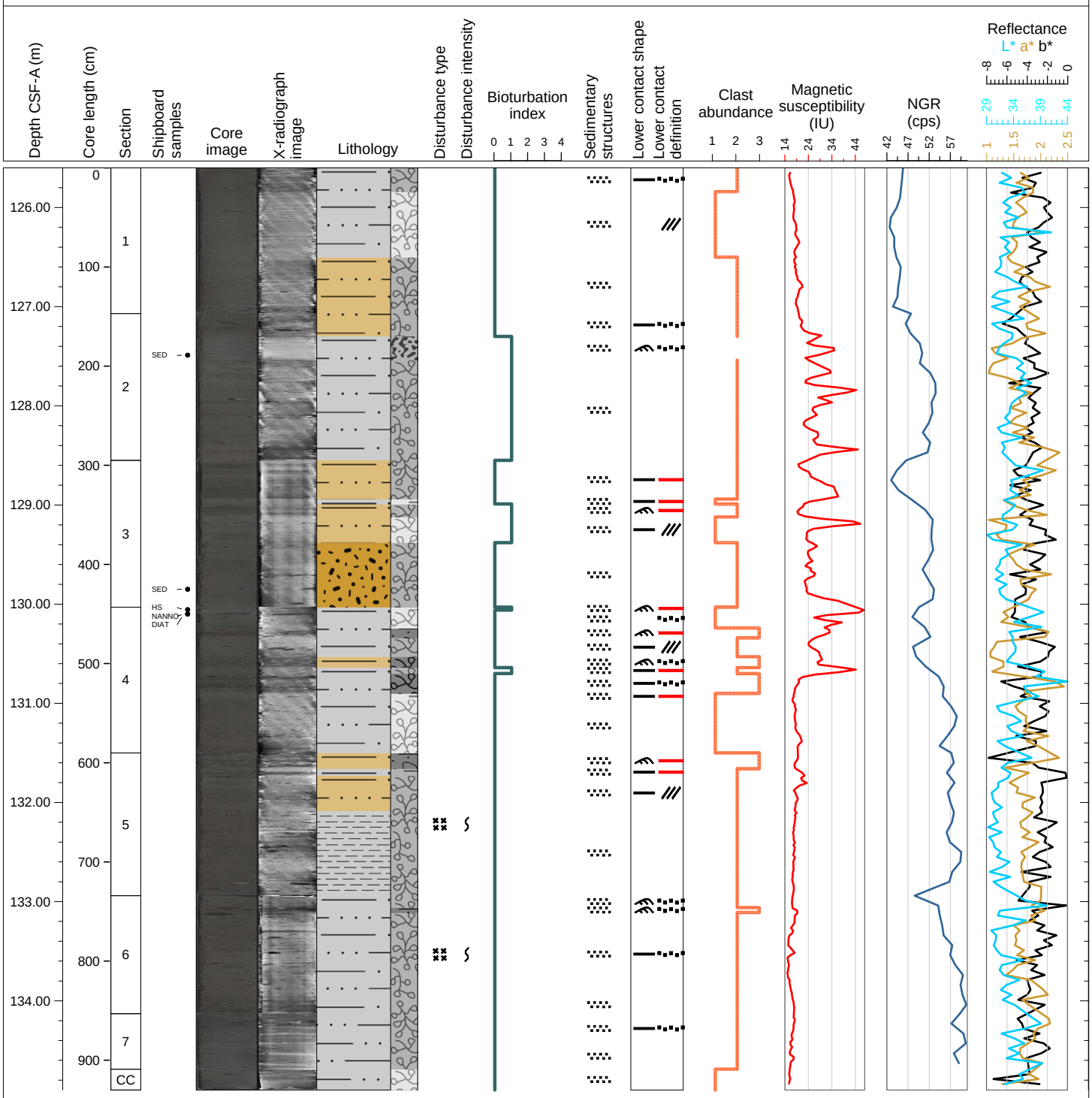
Hole 403-U1618C Core 19H, Interval 119.9-125.57 m (CSF-A)

Dark grey structureless silty clay to clayey silt with dispersed to abundant clasts, partly with dark patches. Some reddish layers. Bioturbation variable from no apparent to heavy. Middle part is slightly to moderately fractured. Some parts are slightly t



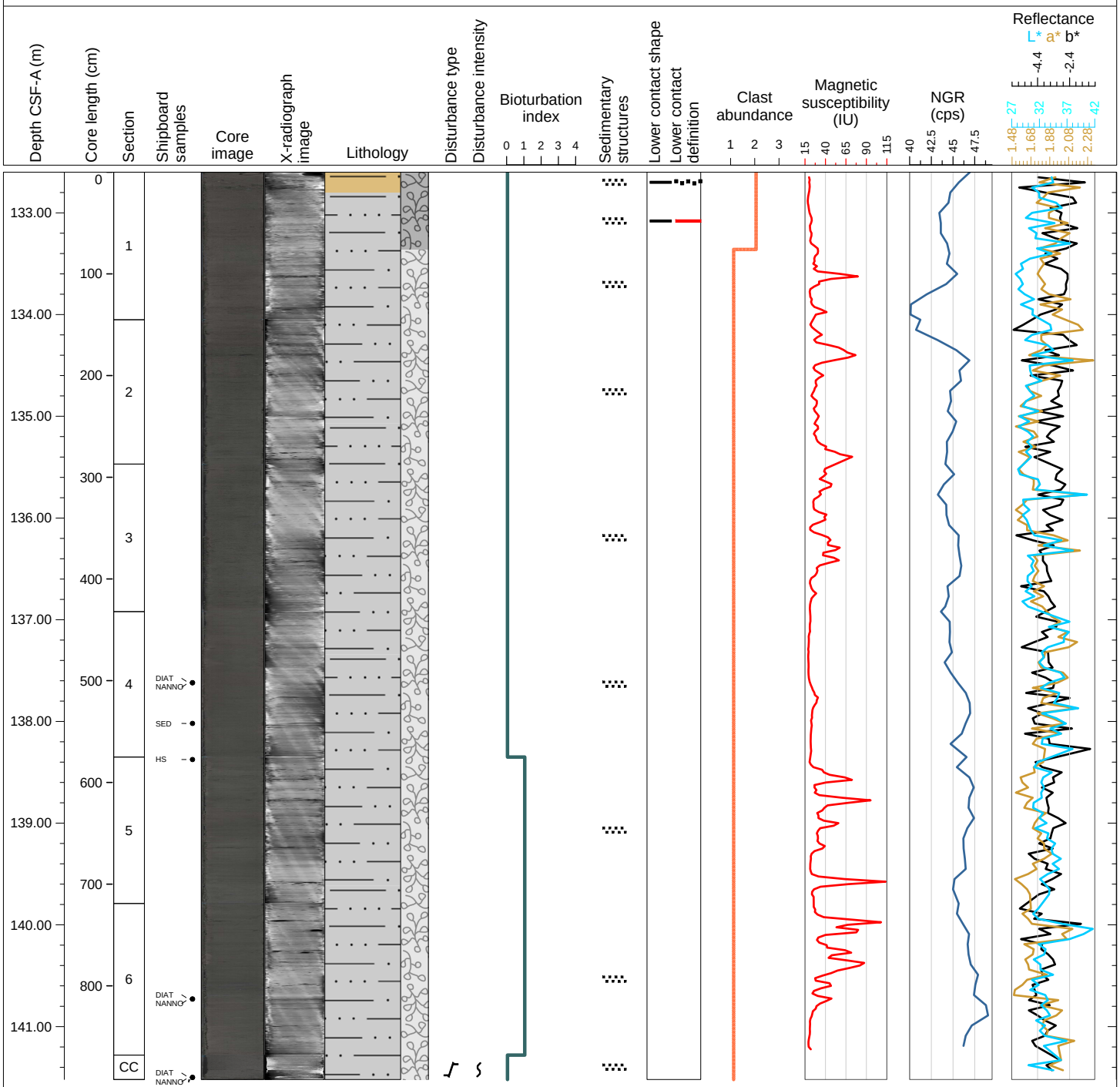
Hole 403-U1618C Core 20X, Interval 125.6-134.9 m (CSF-A)

Dark grey structureless silty clay to clayey silt with dark patches and dispersed to abundant clasts. Some layers more reddish. No apparent to slight bioturbation. Sections 5+6 with slight along-core contamination.



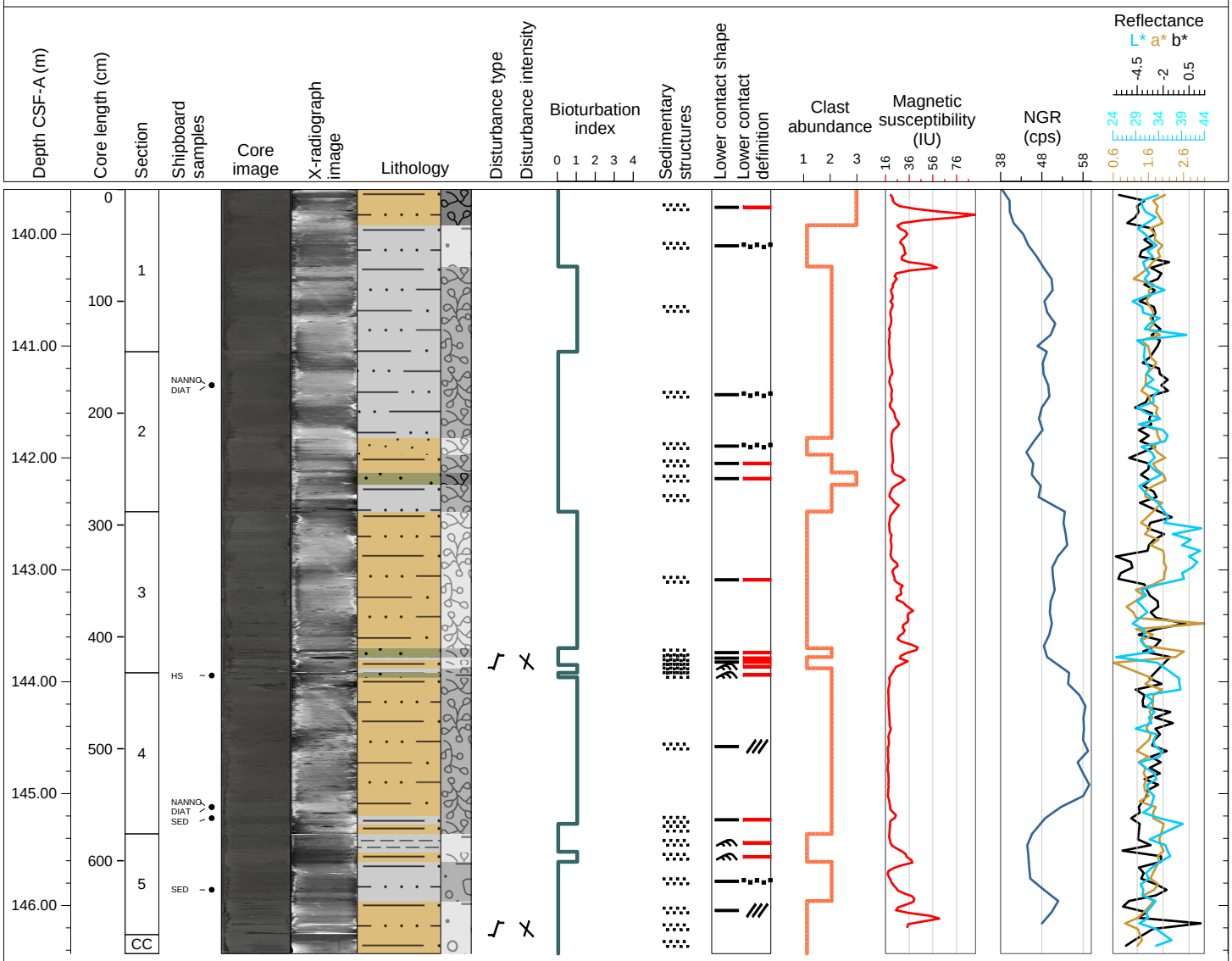
Hole 403-U1618C Core 21X, Interval 132.6-141.52 m (CSF-A)

Dark grey structureless silty clay with dark patches and dispersed to common clasts. No apparent to slight bioturbation. Two coarse layers. Core catcher is slightly fractured.



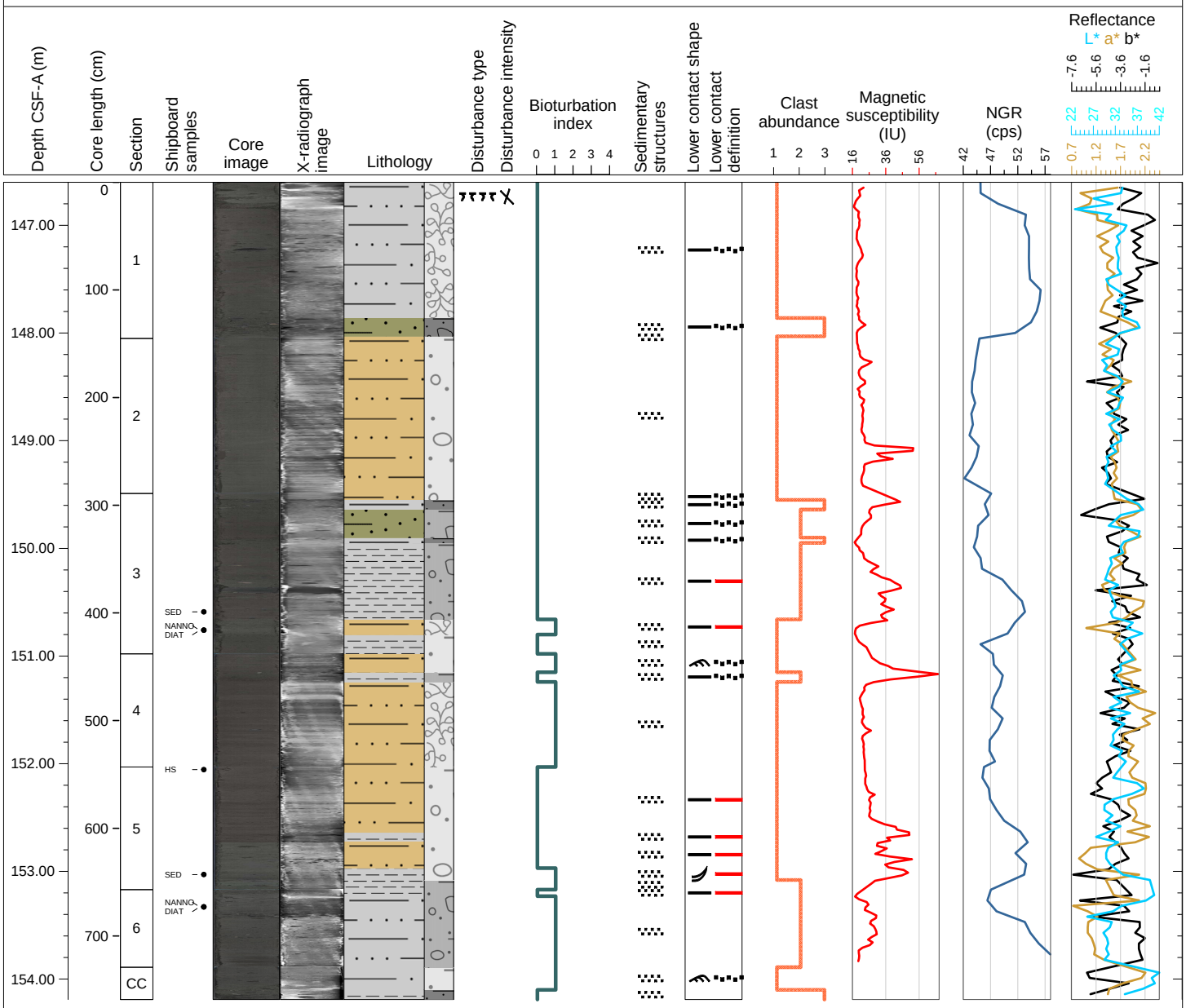
Hole 403-U1618C Core 22X, Interval 139.6-146.43 m (CSF-A)

Dark grey structureless silty clay to clayey silt with dark patches and dispersed to common clasts. Slightly reddish and one slightly greenish layer. No apparent to slight bioturbation. Some parts are slightly fractured.



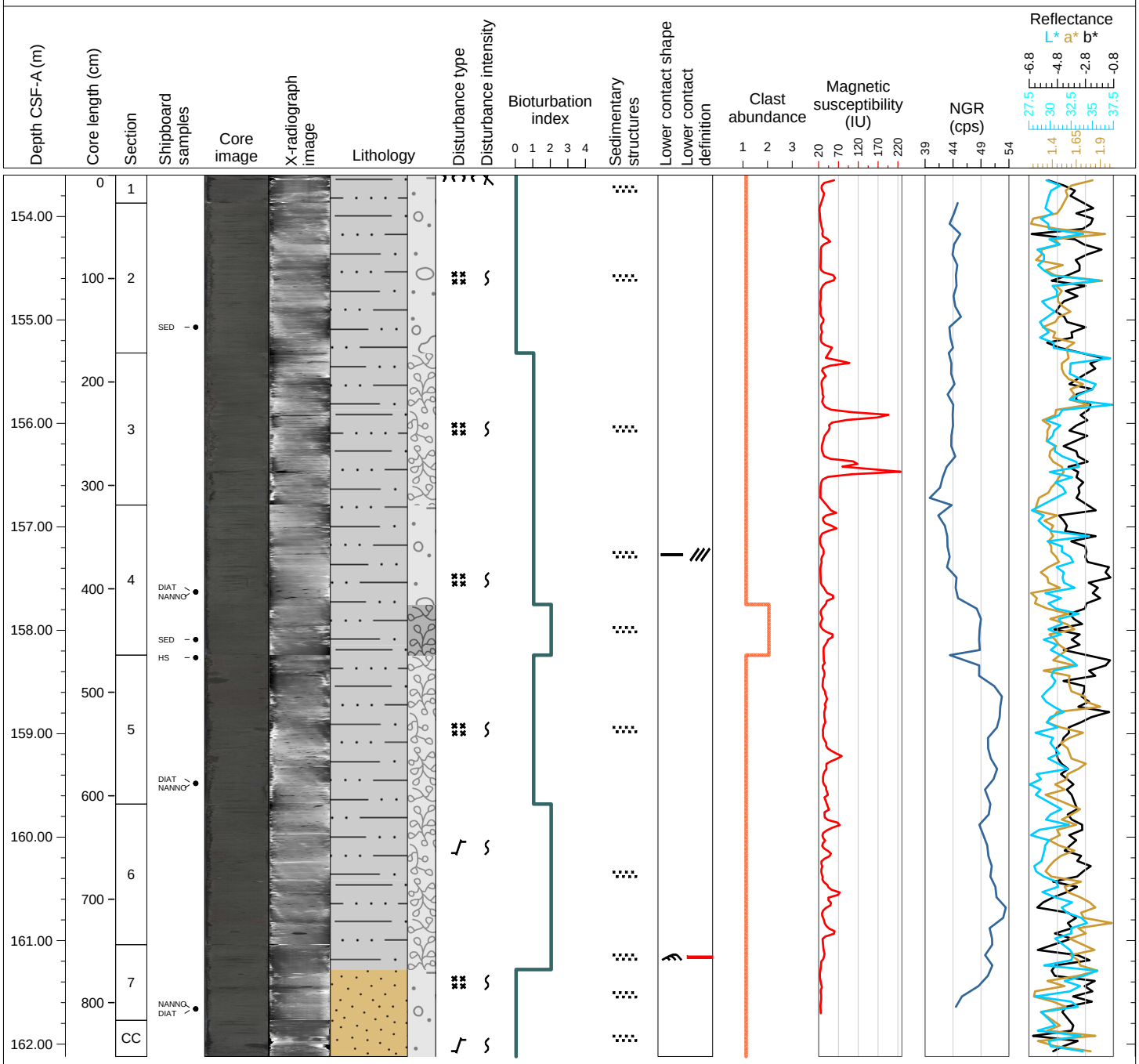
Hole 403-U1618C Core 23X, Interval 146.6-154.19 m (CSF-A)

Dark grey structureless clay to clayey silt with dispersed to abundant clasts, partly with dark patches. Two layers of sandy mud. No apparent to slight bioturbation. Uppermost 27 cm fractured.



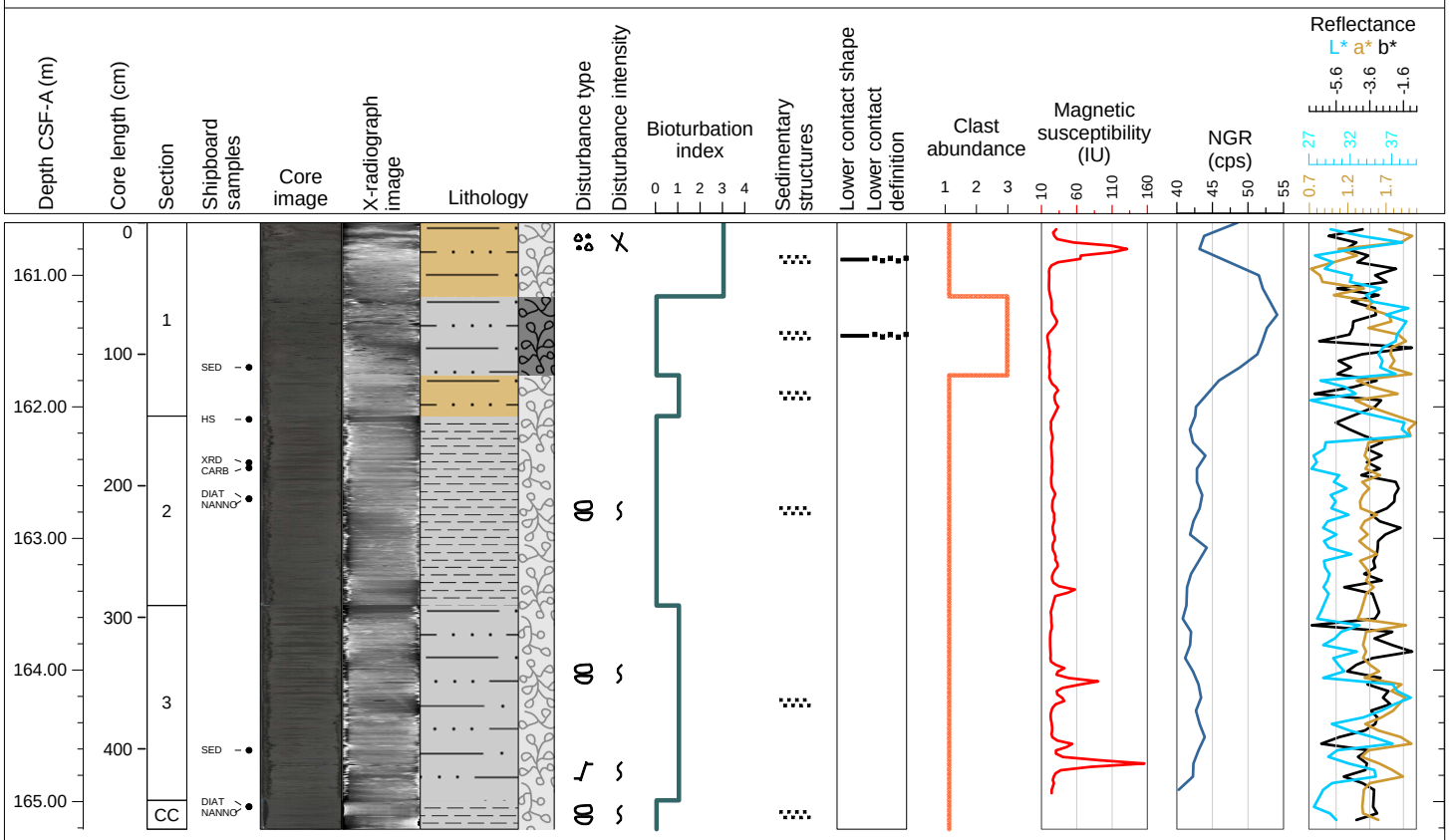
Hole 403-U1618C Core 24X, Interval 153.6-162.12 m (CSF-A)

Dark grey structureless silty clay with dispersed to common clasts. Some parts with dark patches. Lowermost interval is silt with dispersed clasts. No apparent to heavy bioturbation. Uppermost 5 cm fragmented. Section 2-5 and 7 with slight along-core dist



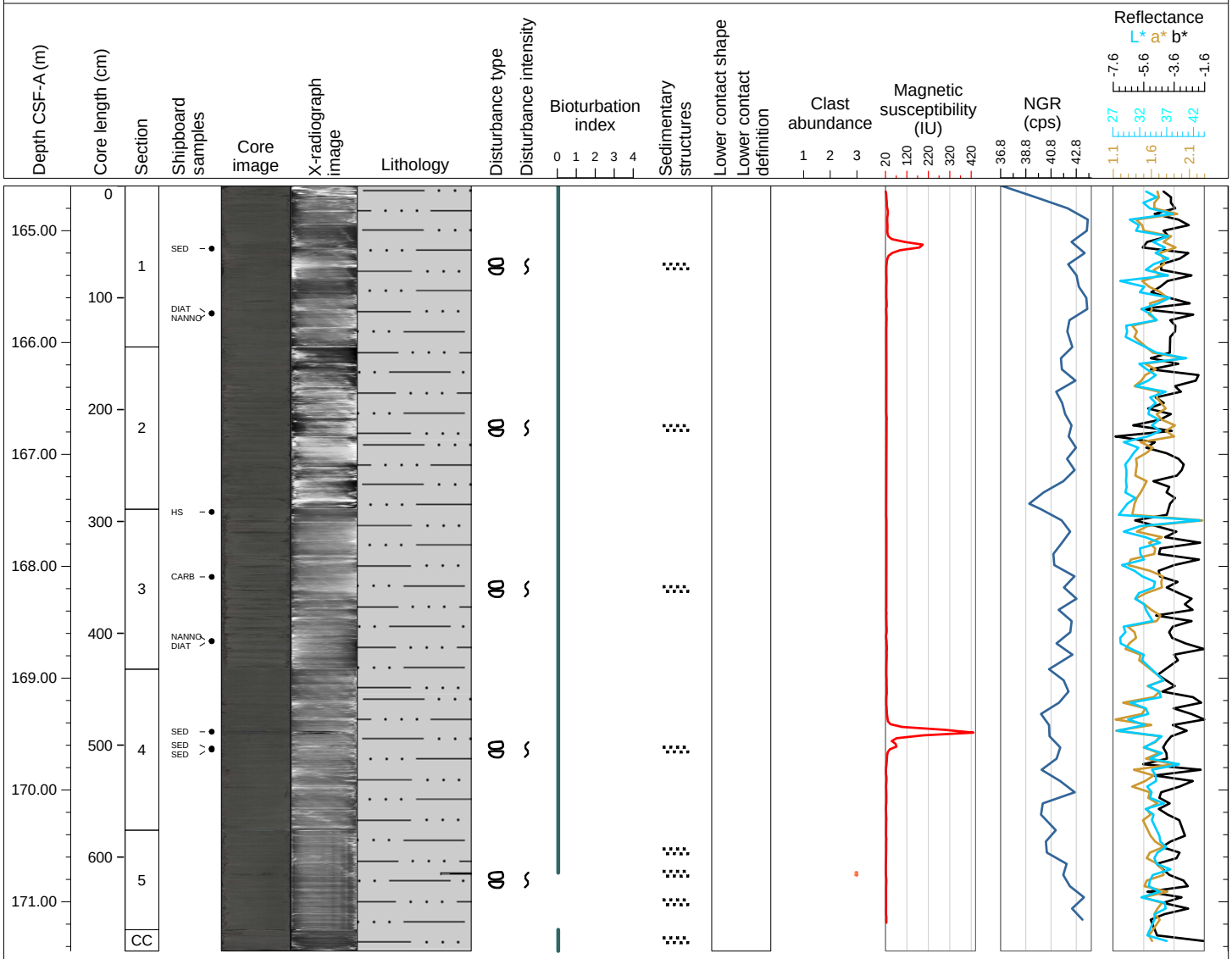
Hole 403-U1618C Core 25X, Interval 160.6-165.21 m (CSF-A)

Upper part dark grey structureless silty clay to clayey silt with dark patches and dispersed to abundant clasts, slight to heavy bioturbation. Lower part dark grey structureless clay with dark patches and dispersed clasts, no to slight bioturbation. Upper



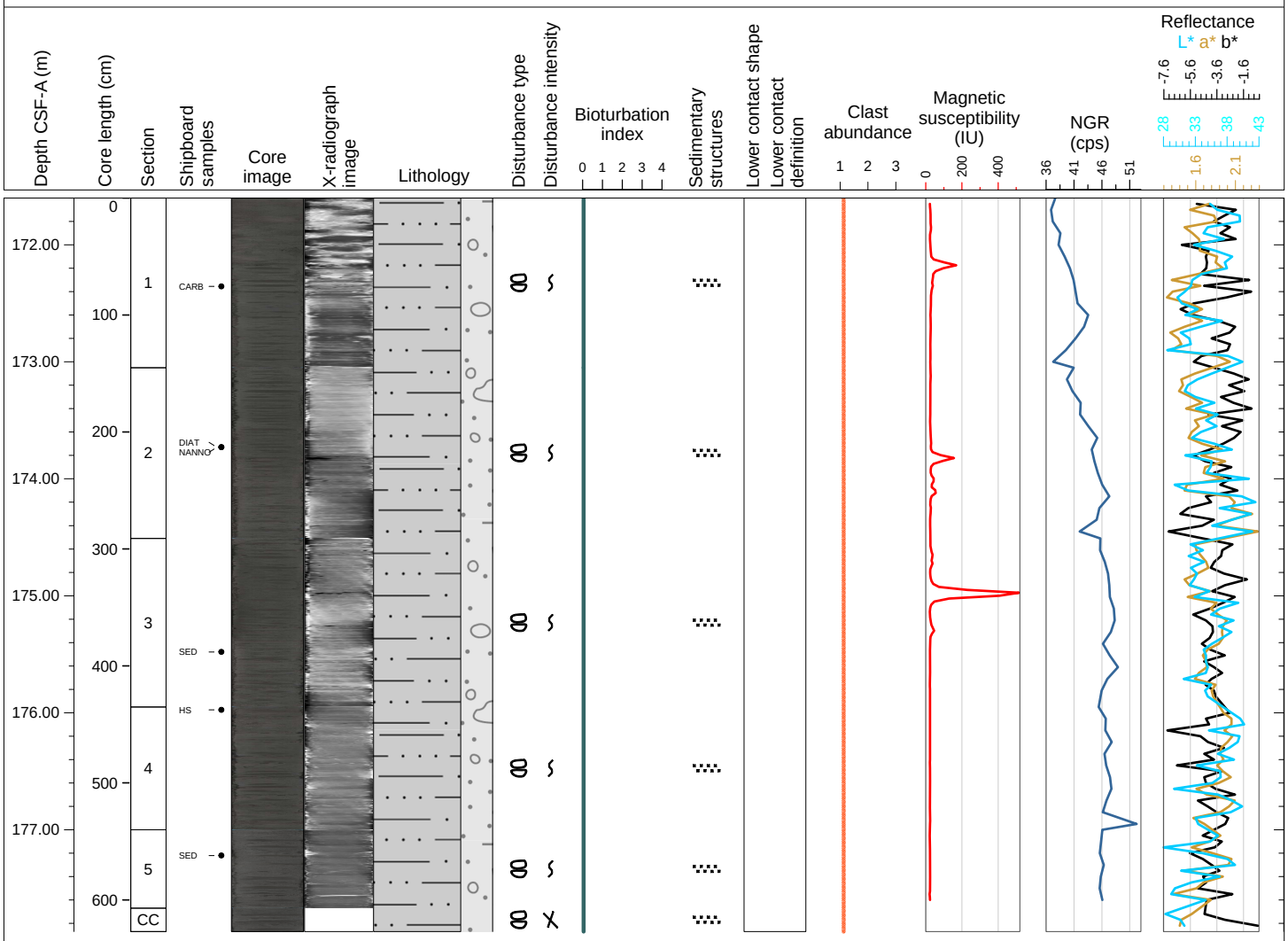
Hole 403-U1618C Core 26X, Interval 164.6-171.44 m (CSF-A)

Silty clay with dispersed clasts at the base of the core, a 2cm layer of abundant clasts mid-core, and no clasts up-core. There is a line of tiny black clasts at 53.5cm and color gradually lightens downcore. A smear slide of the small black clasts in Sect



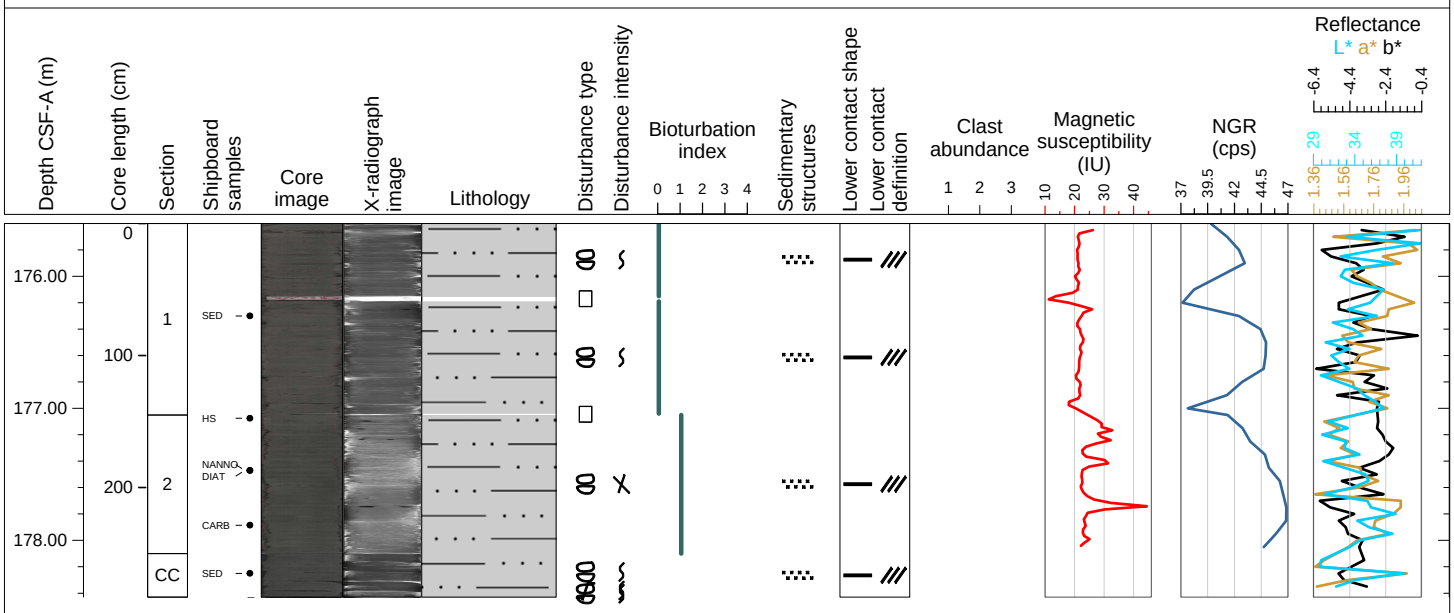
Hole 403-U1618C Core 27X, Interval 171.6-177.87 m (CSF-A)

Core 27 is incredibly homogenous and is silty clay with dispersed clasts. Sediments are structureless with no apparent bioturbation. There is slight biscuiting throughout.



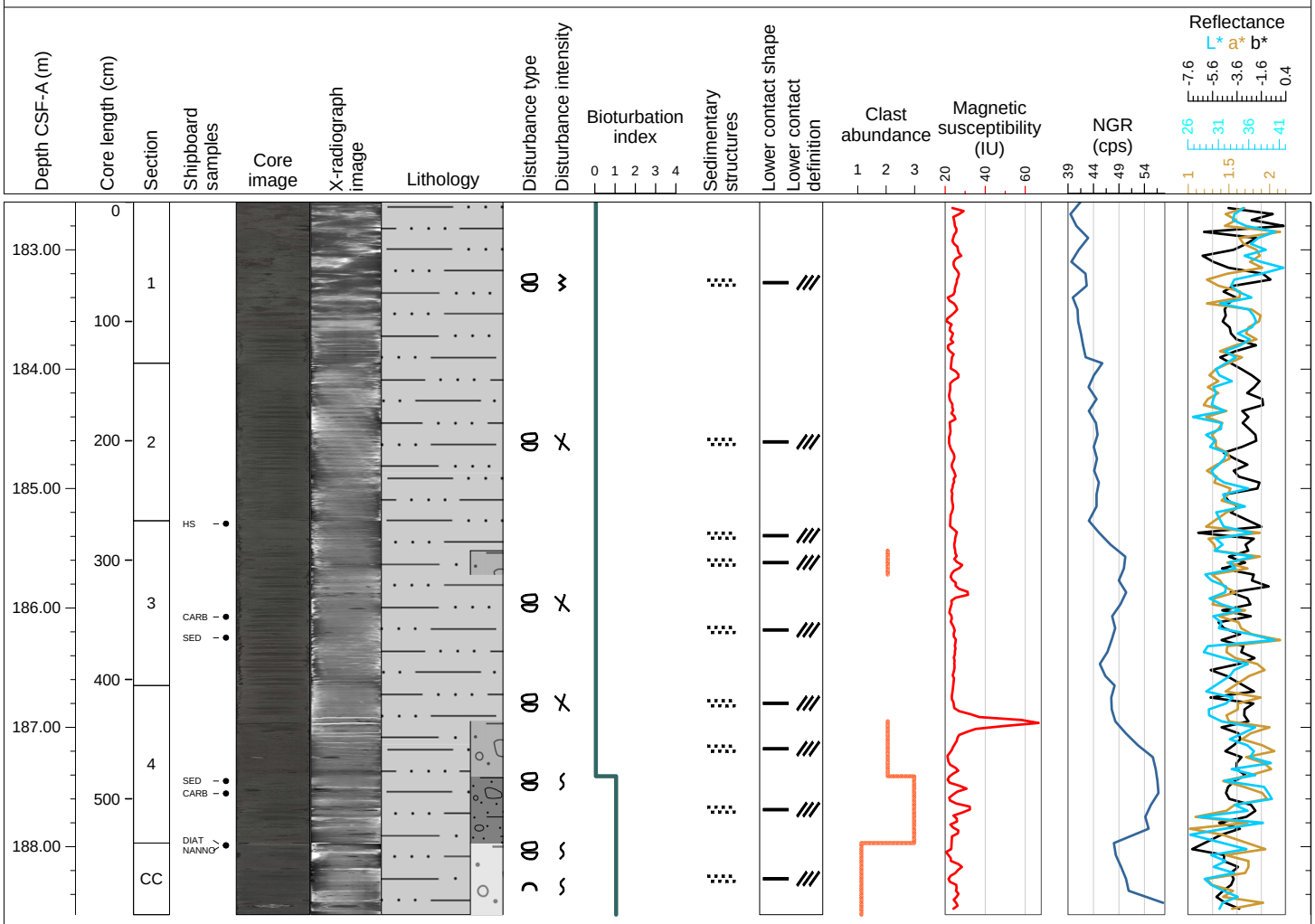
Hole 403-U1618C Core 28X, Interval 175.6-178.43 m (CSF-A)

Silty clay with VERY faint and small trace fossils (bioturbation) in Section 2. Sediments are structureless and otherwise have no apparent bioturbation. Sediments are slightly biscuited throughout with moderate biscuiting in Section 2.



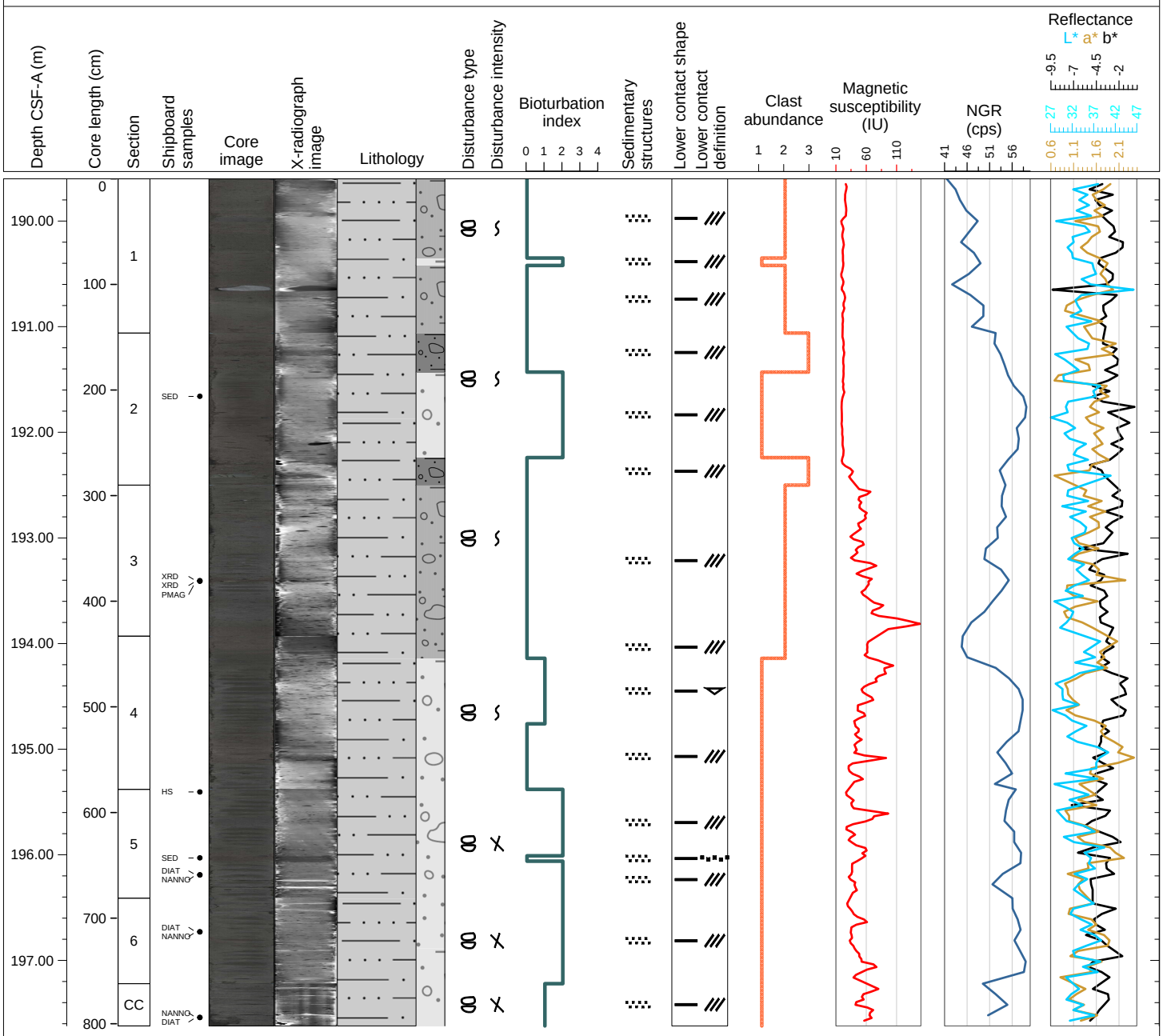
Hole 403-U1618C Core 29X, Interval 182.6-188.57 m (CSF-A)

Silty clay with dispersed to common clasts up to mid-core and absent up-core. Sediment is structureless and there is a large clast (3 cm wide) located at 52-55 cm that appears igneous. There is slight to moderate bioturbation in the core catcher that cont



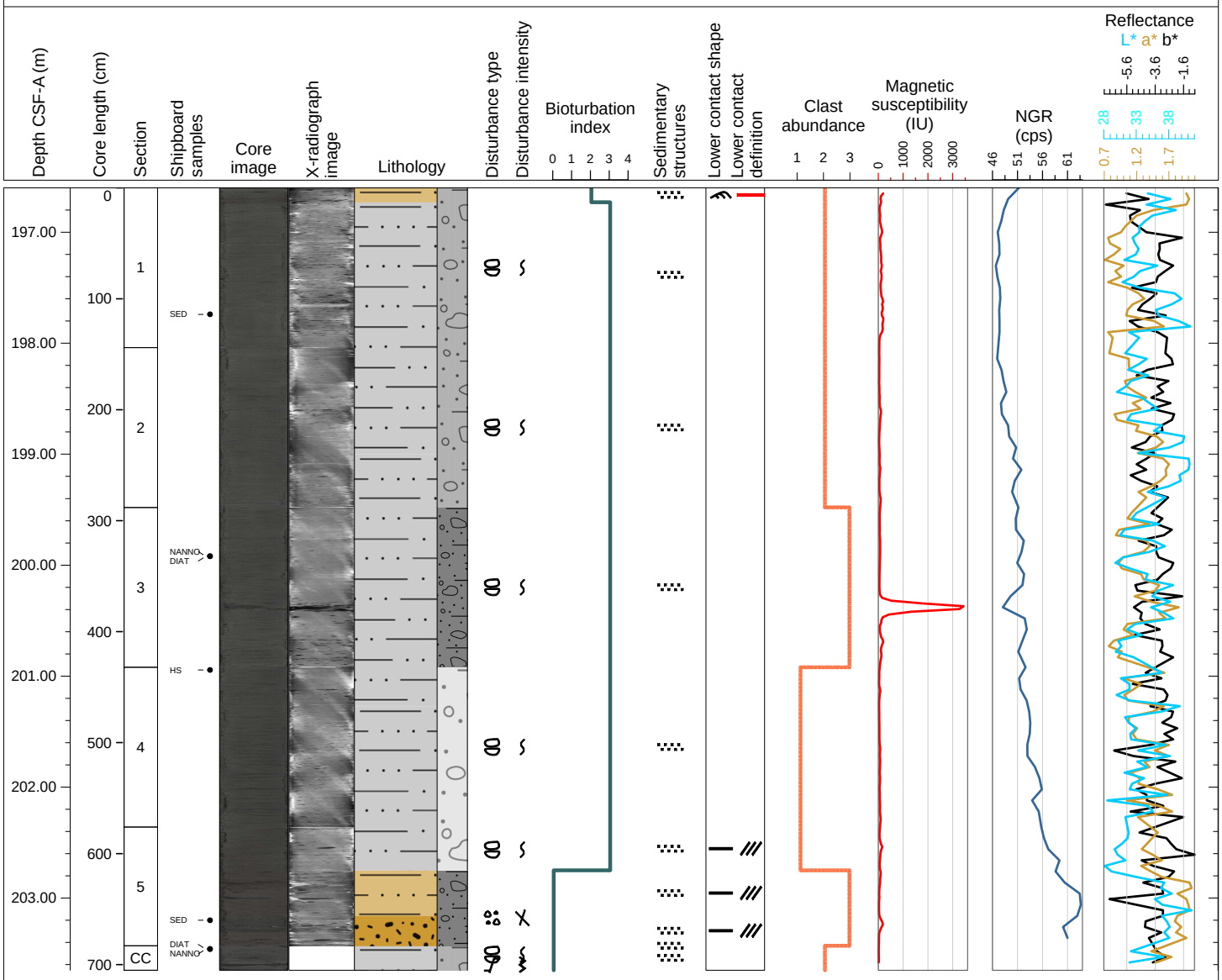
Hole 403-U1618C Core 30X, Interval 189.6-197.62 m (CSF-A)

Silty lay with dispersed clasts at the base of the core, abundant clasts in Sections 2 and 3, and dispersed to common clasts at the top of the core. There is a reddish layer at the top of Section 2, a large clast almost entire width of core from 133-137 c



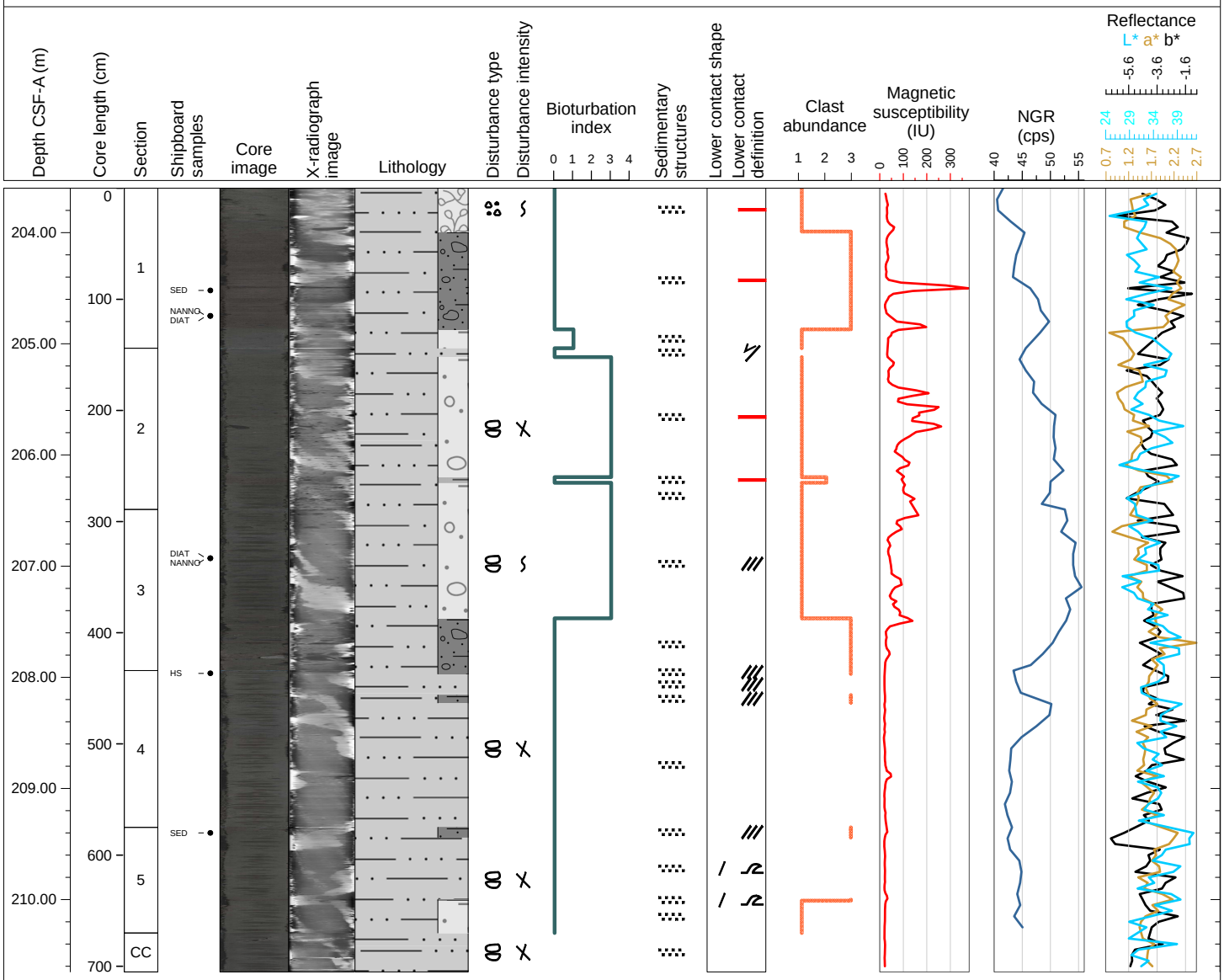
Hole 403-U1618C Core 31X, Interval 196.6-203.65 m (CSF-A)

Alternating intervals of silty clay and clayey silt with a <1cm layer of clayey sand at the base of Section 5. There are abundant clasts at the base of the core, becoming dispersed mid-core and increasing to common abundance towards the top. Sediments are



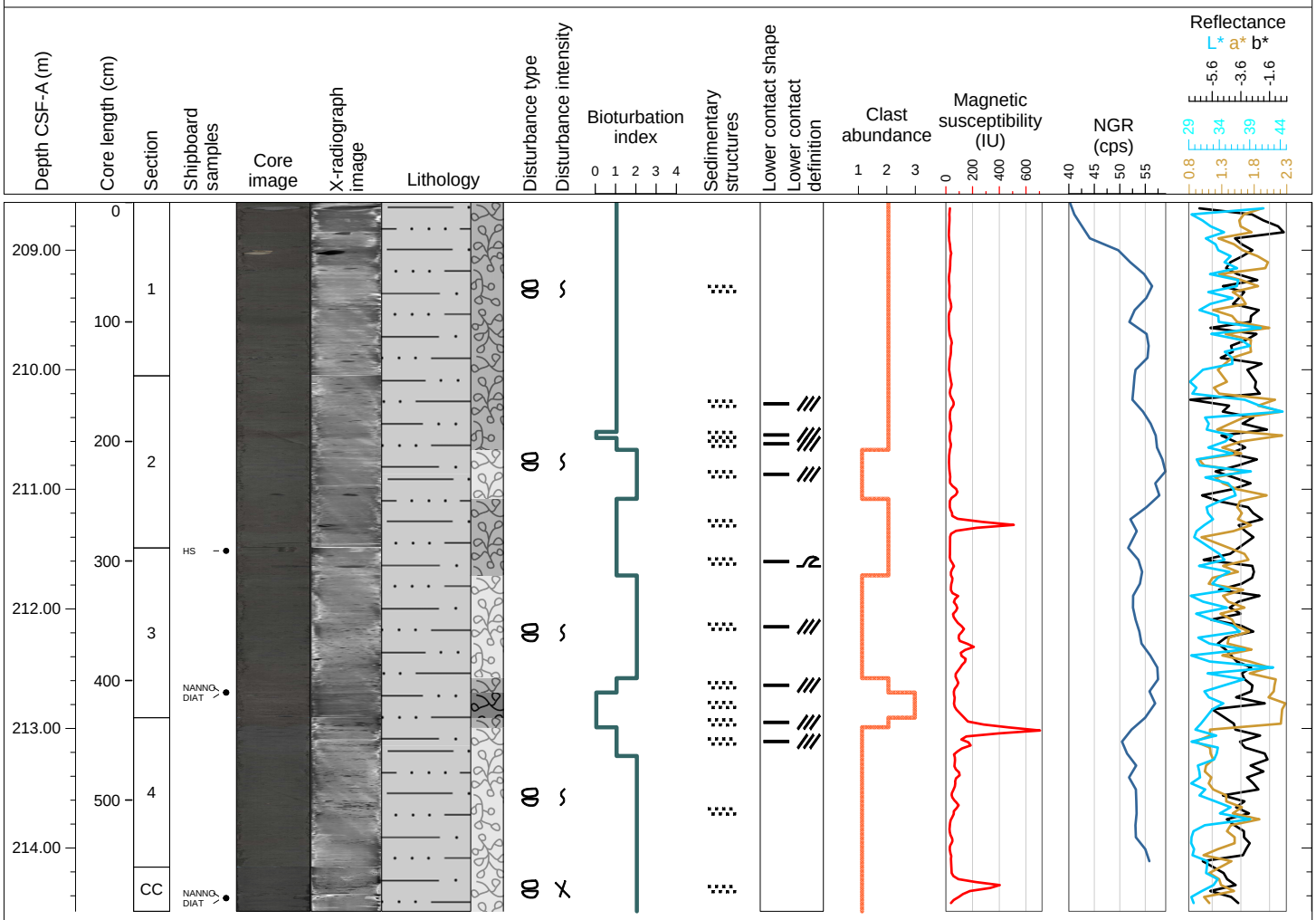
Hole 403-U1618C Core 32X, Interval 203.6-210.65 m (CSF-A)

Silty clay with dispersed to abundant clasts, alternating downcore. There is a dark oval patch from 69-73cm in Section 2 and abundant clasts of of all shapes, sizes, and degrees of angularity at the base of Section 3. Sediments are structureless with incr



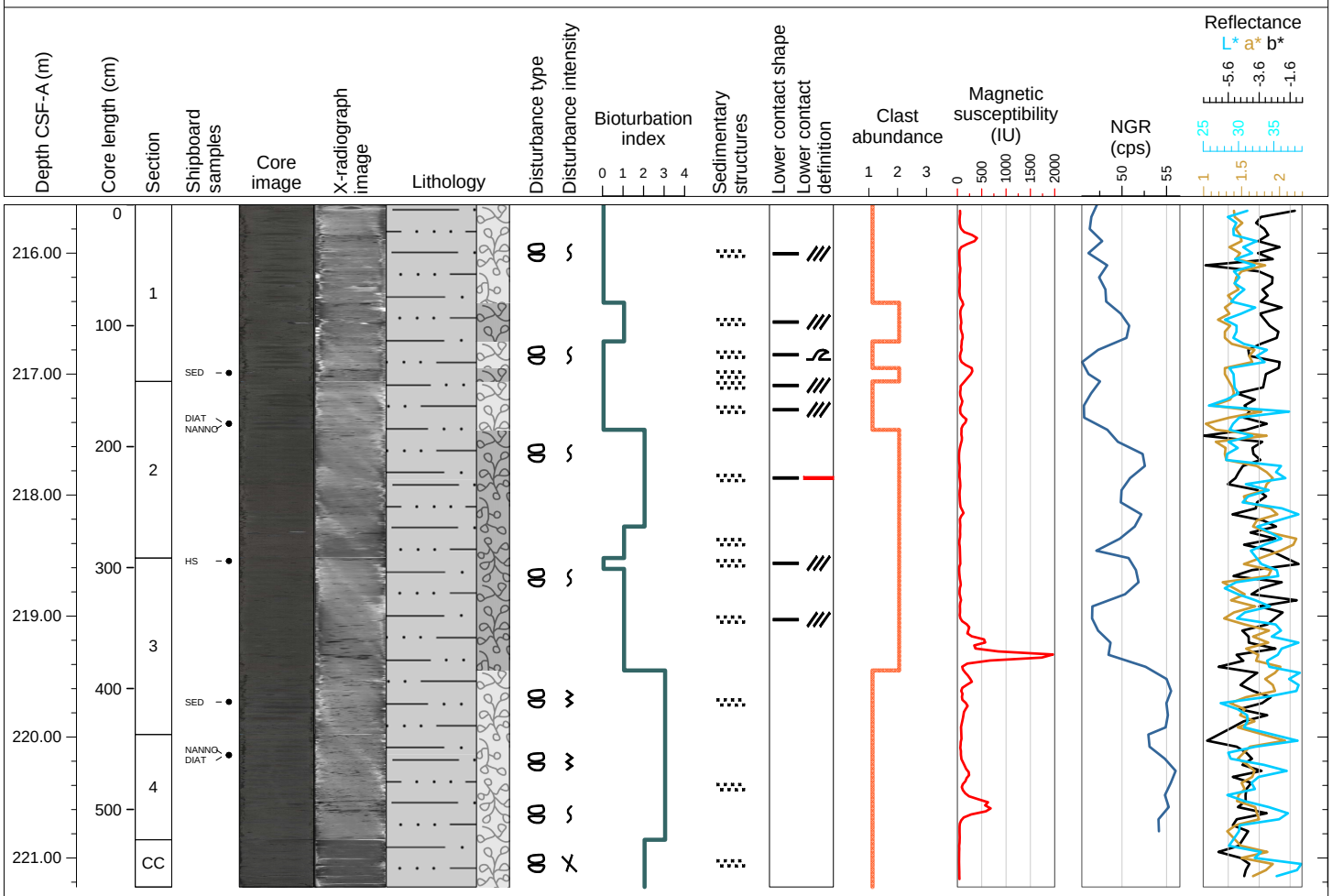
Hole 403-U1618C Core 33X, Interval 208.6-214.53 m (CSF-A)

Silty clay with dark patches and varying amounts of clasts throughout. Sediments are structureless with slight to moderate bioturbation throughout, decreasing up-core. There is slight to moderate biscuiting due to drilling disturbance.



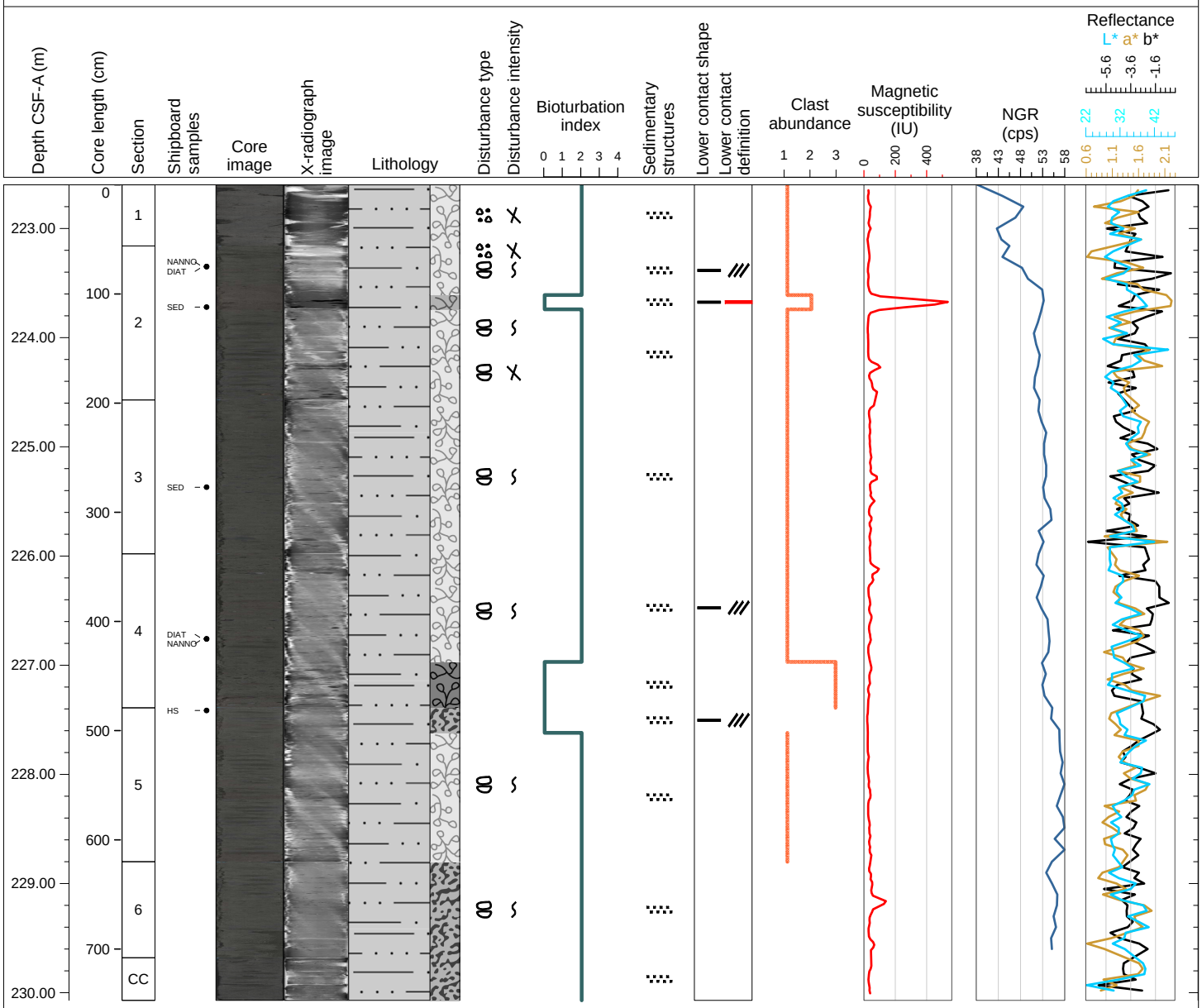
Hole 403-U1618C Core 34X, Interval 215.6-221.24 m (CSF-A)

Silty clay with dark patched and dispersed to common clasts alternating throughout. There are large clasts at 86-87 and 97-98cm in Section 1, a large clast at 123-124cm in Section 2, and large clasts at 80-82 and 98-100cm in Section 3. Sediments are struc



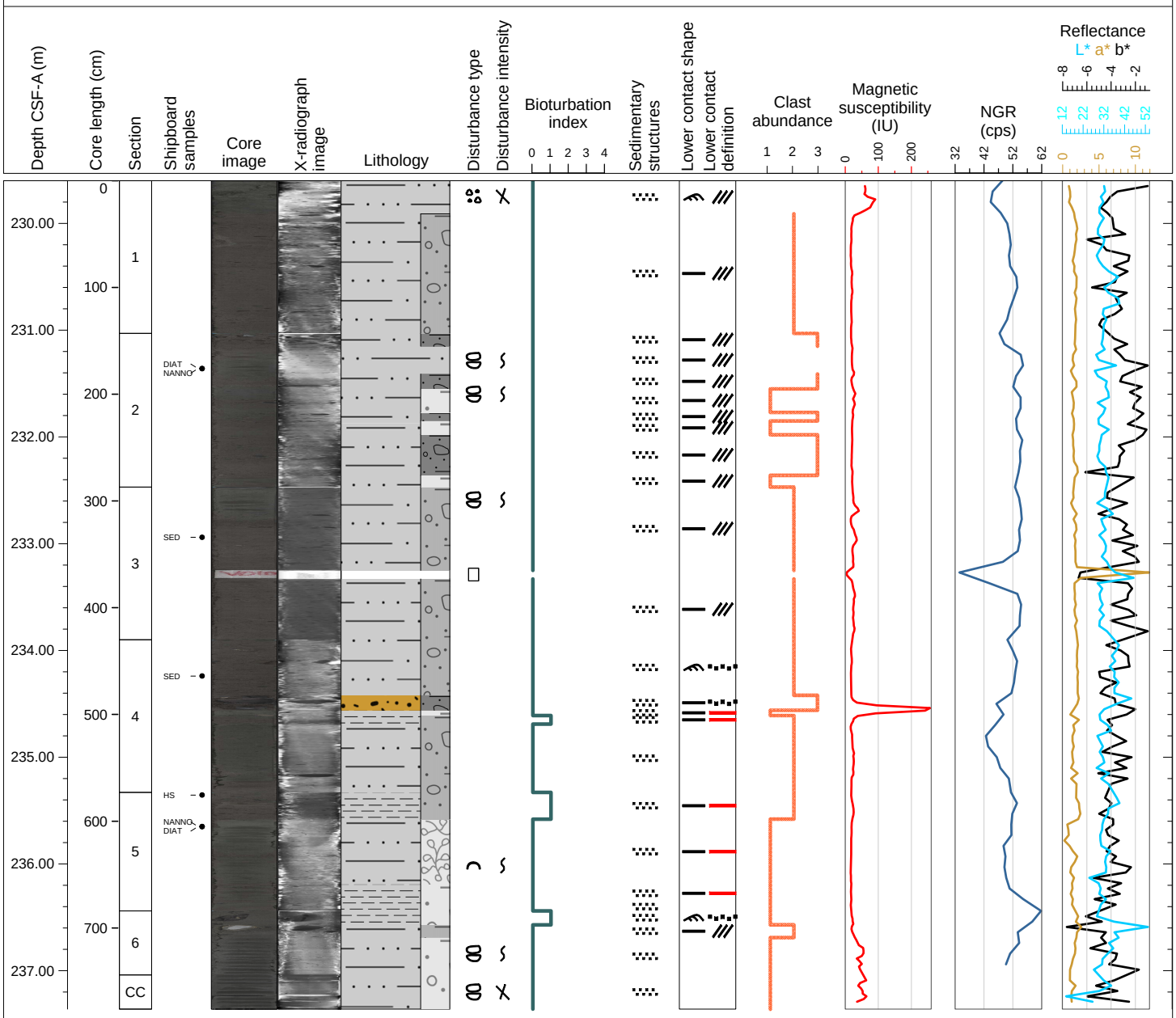
Hole 403-U1618C Core 35X, Interval 222.6-230.07 m (CSF-A)

Silty clay with dark patches throughout and dispersed to abundant clasts, with the highest amount of clasts mid-core. There is possible pyrite formation from 45-58cm in Section 2, a large clast at 135-137cm in Section 2, at 125-127cm in Section 3, and fro



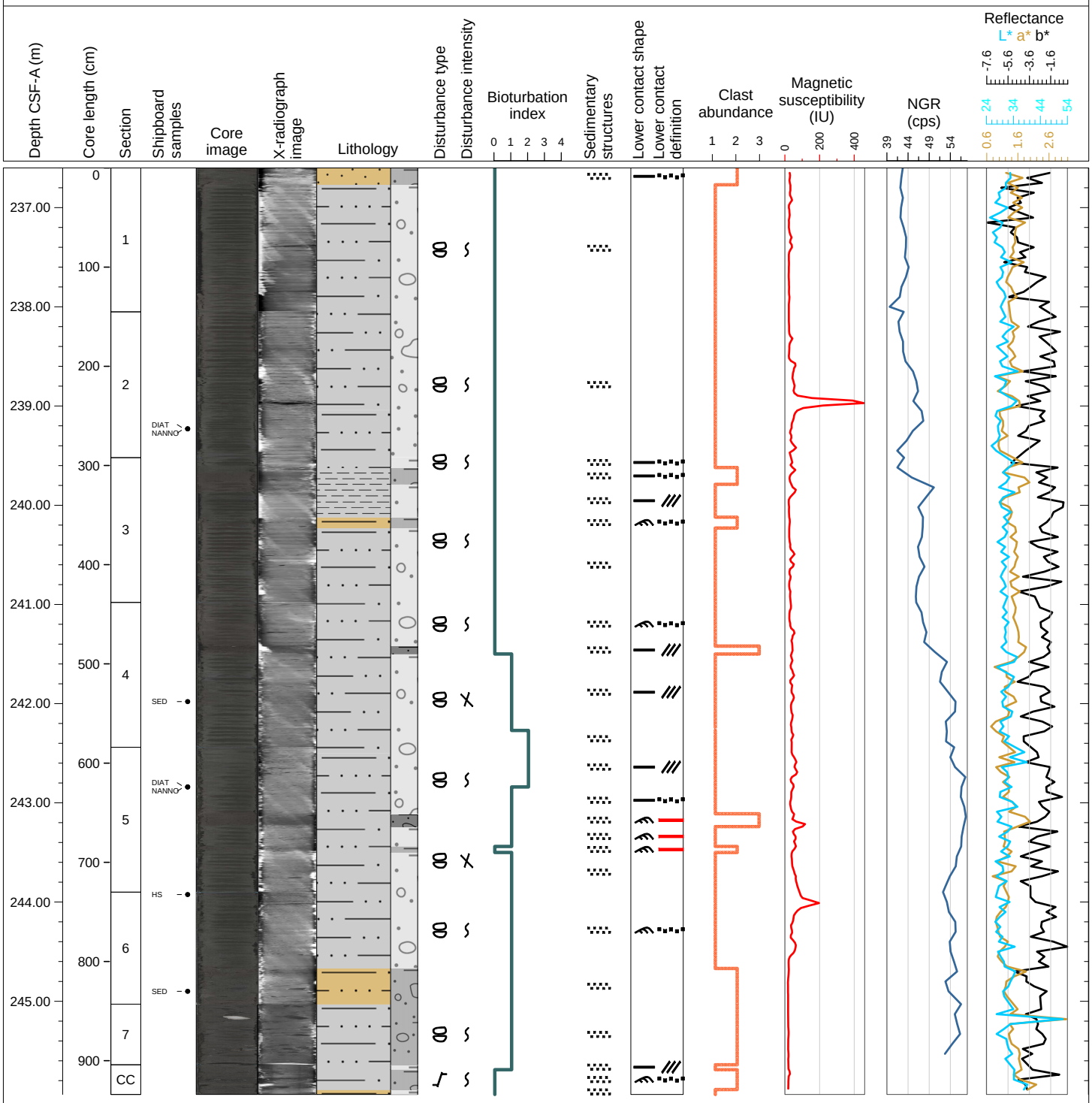
Hole 403-U1618C Core 36X, Interval 229.6-237.36 m (CSF-A)

Dark grey structureless clay to silty clay with dispersed to common clasts and no apparent bioturbation. Two slightly reddish layers with slight bioturbation. Uppermost 29 cm moderately mixed sediment, slight biscuiting and up-arching in some parts.



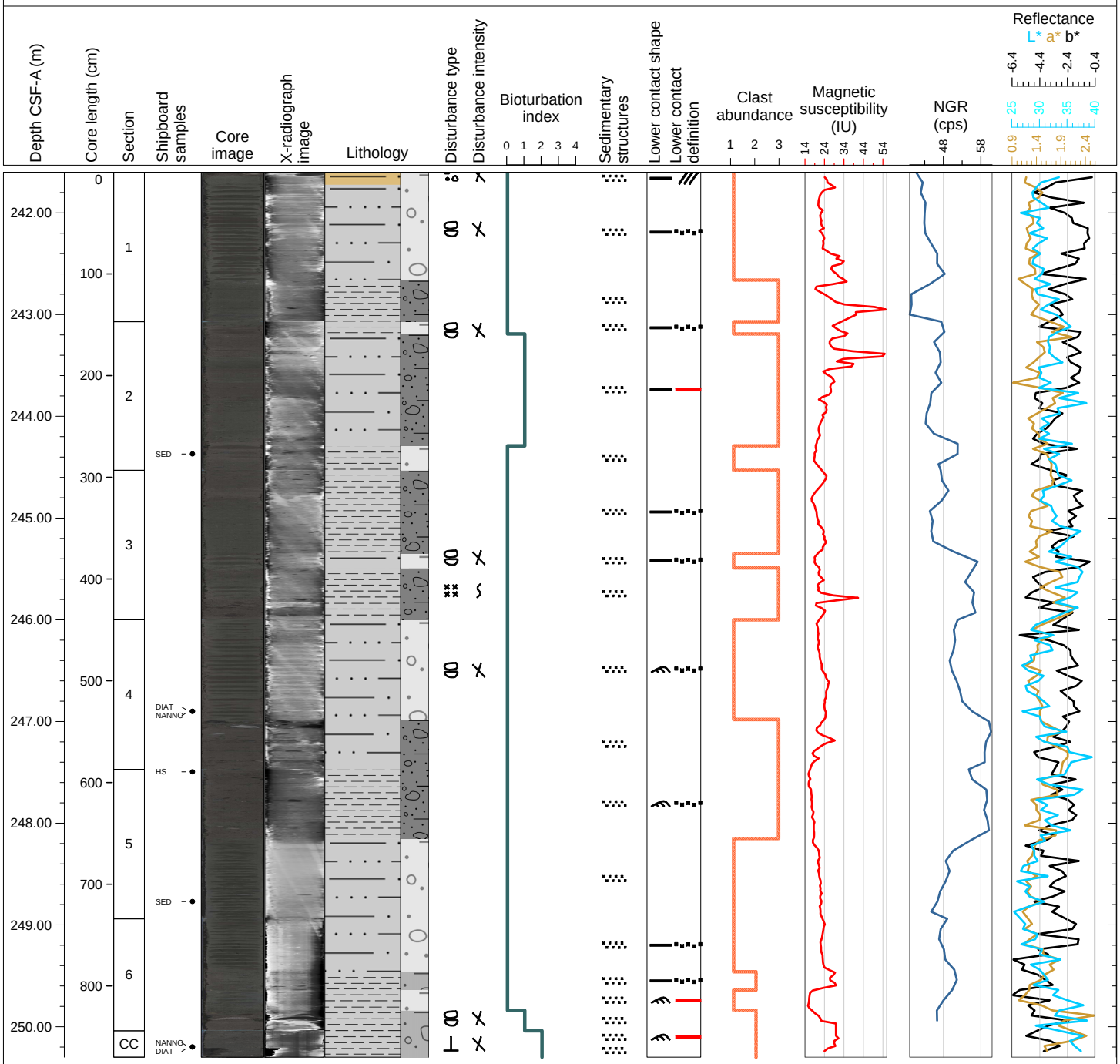
Hole 403-U1618C Core 37X, Interval 236.6-245.94 m (CSF-A)

Dark grey structureless clay to silty clay with dispersed to common clasts. Three slightly reddish layers with common to abundant clasts. No to slight bioturbation. Most parts slightly biscuited.



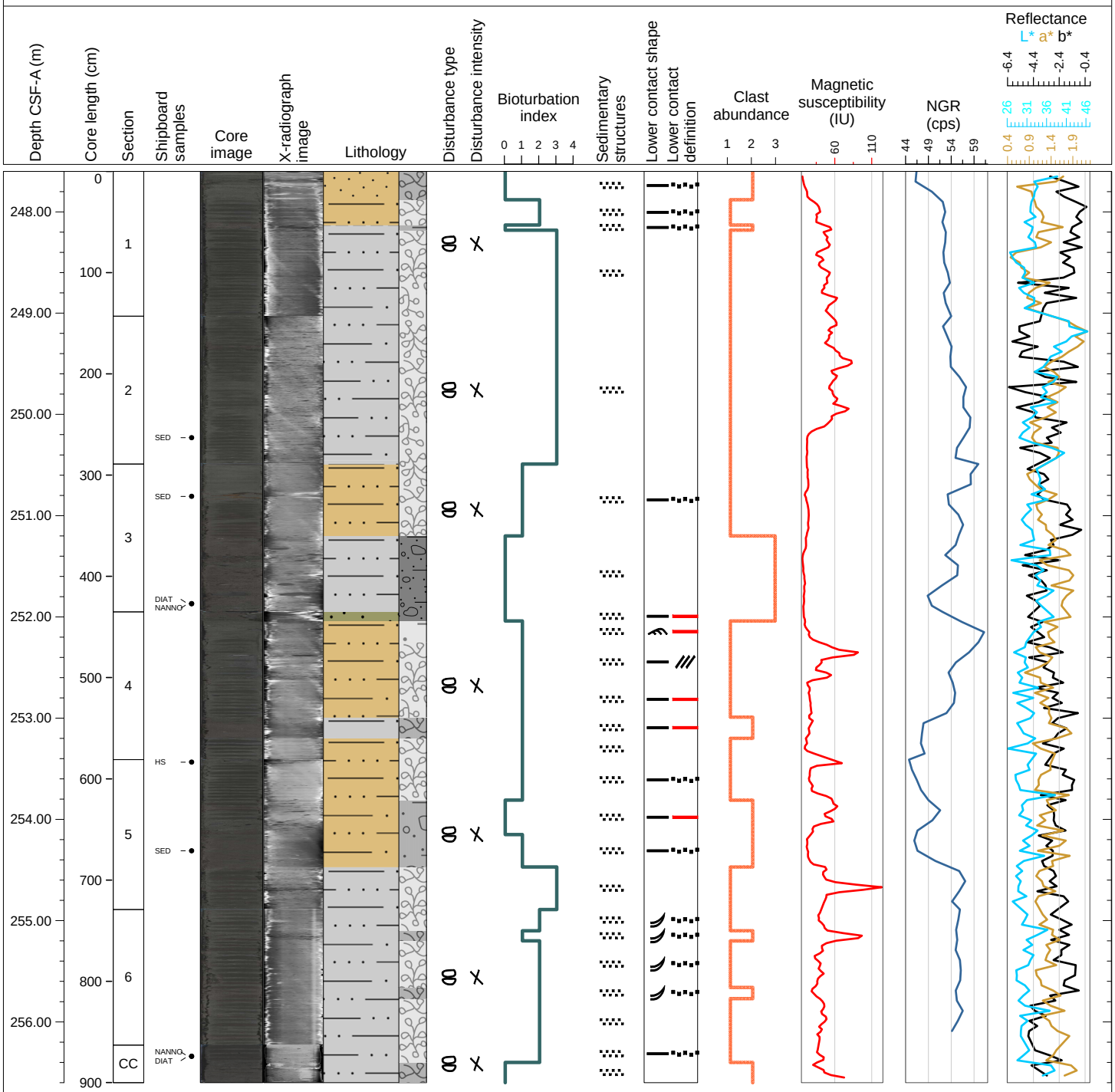
Hole 403-U1618C Core 38X, Interval 241.6-250.3 m (CSF-A)

Dark grey structureless clay to silty clay with dispersed to abundant clasts. Two slightly reddish and one slightly greenish layer. No apparent bioturbation in the upper and slight to moderate in the lower part. Uppermost 5 cm moderately mixed sediment, s



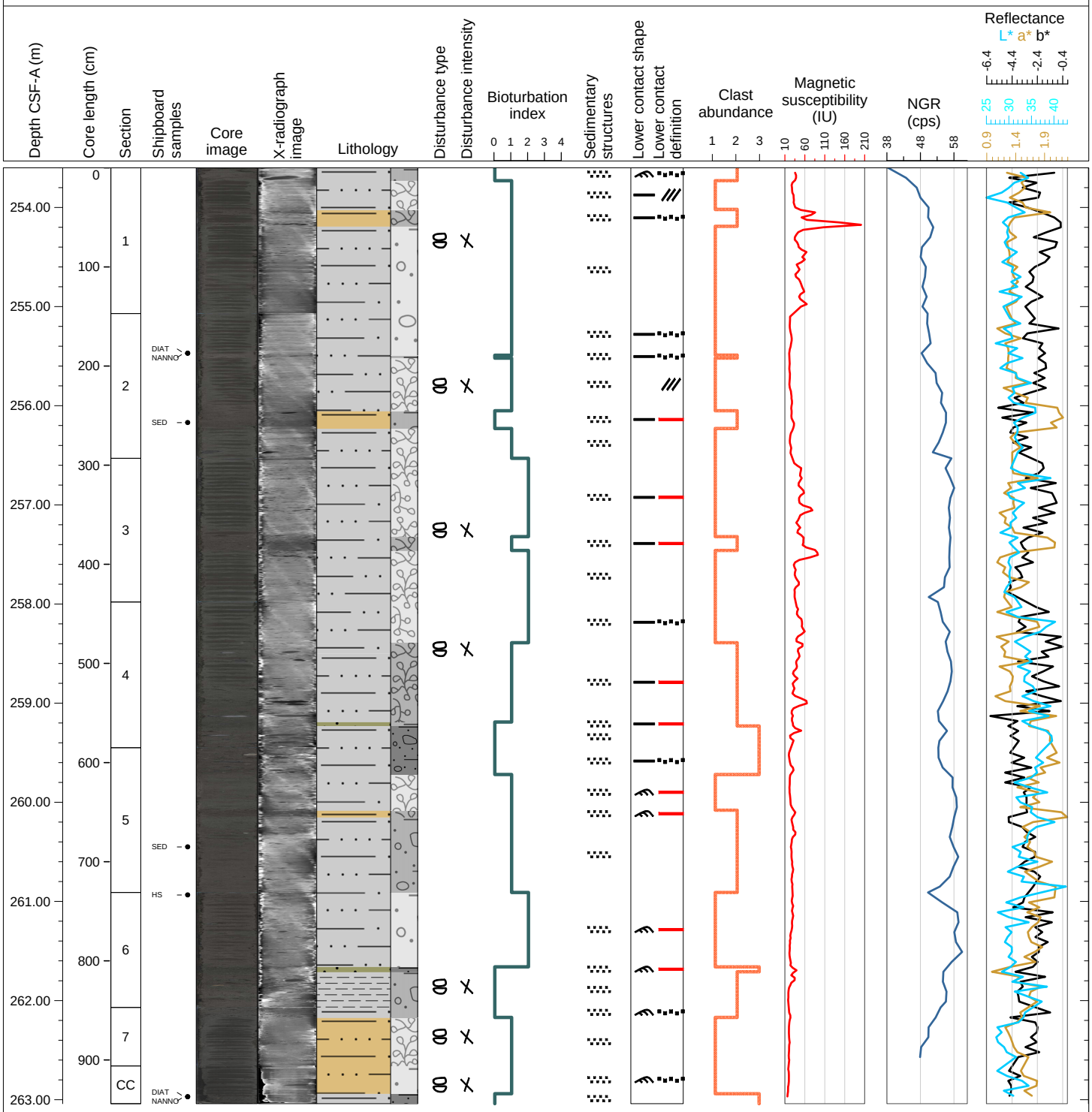
Hole 403-U1618C Core 39X, Interval 247.6-256.6 m (CSF-A)

Dark grey structureless silty clay to clayey silt with dark patches and dispersed to common clasts. Some slightly reddish layers. Bioturbation varies between no apparent and heavy, authigenic carbonate crystals in section 3. Moderate biscuiting throughout



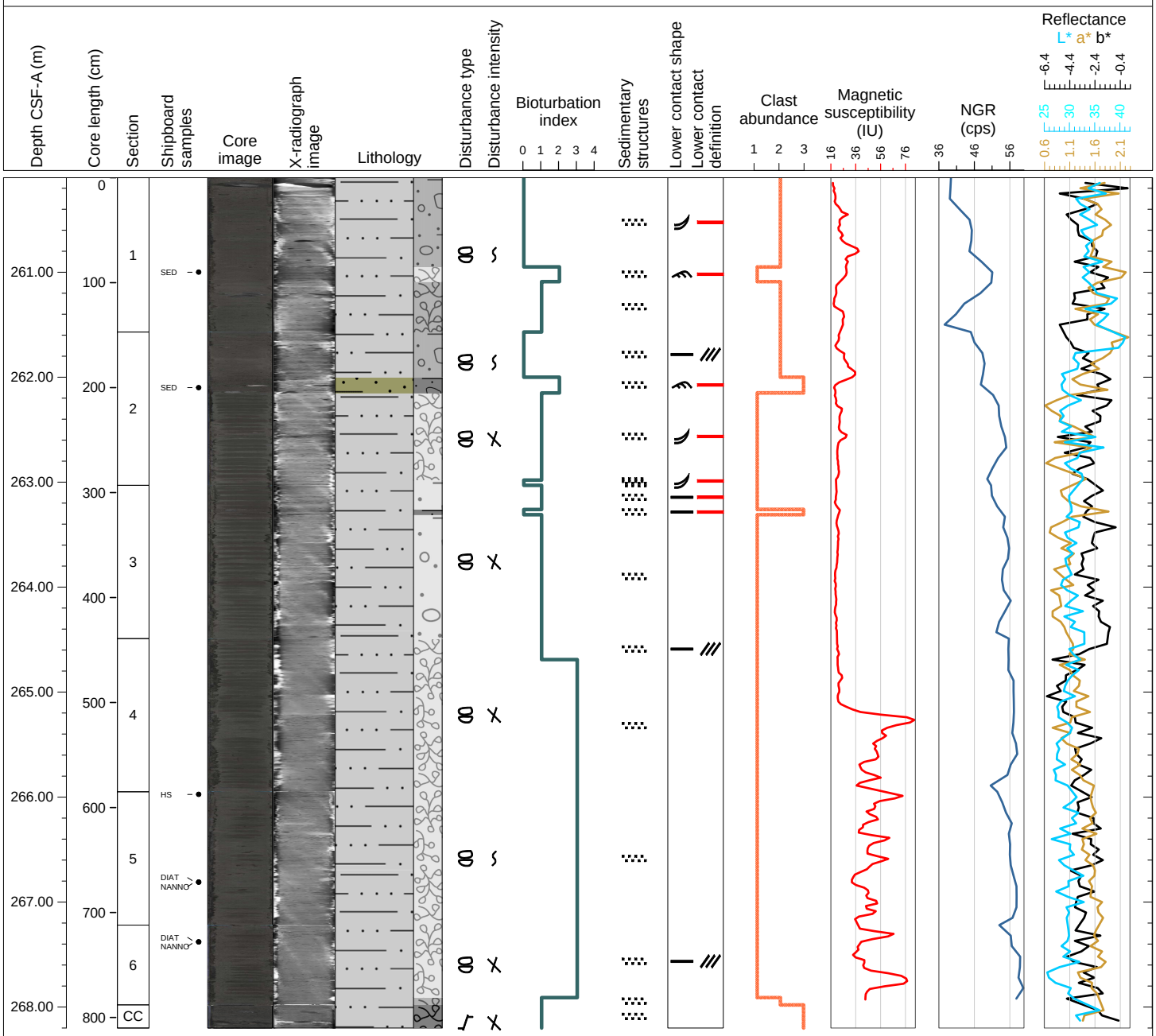
Hole 403-U1618C Core 40X, Interval 253.6-263.04 m (CSF-A)

Dark greyish structureless clayey silt to silty clay with dispersed to abundant clasts, partly with dark patches. Some slightly reddish and one slightly yellowish layer. Bioturbation mostly slight to moderate. Moderate biscuiting except of mid-section 4 t



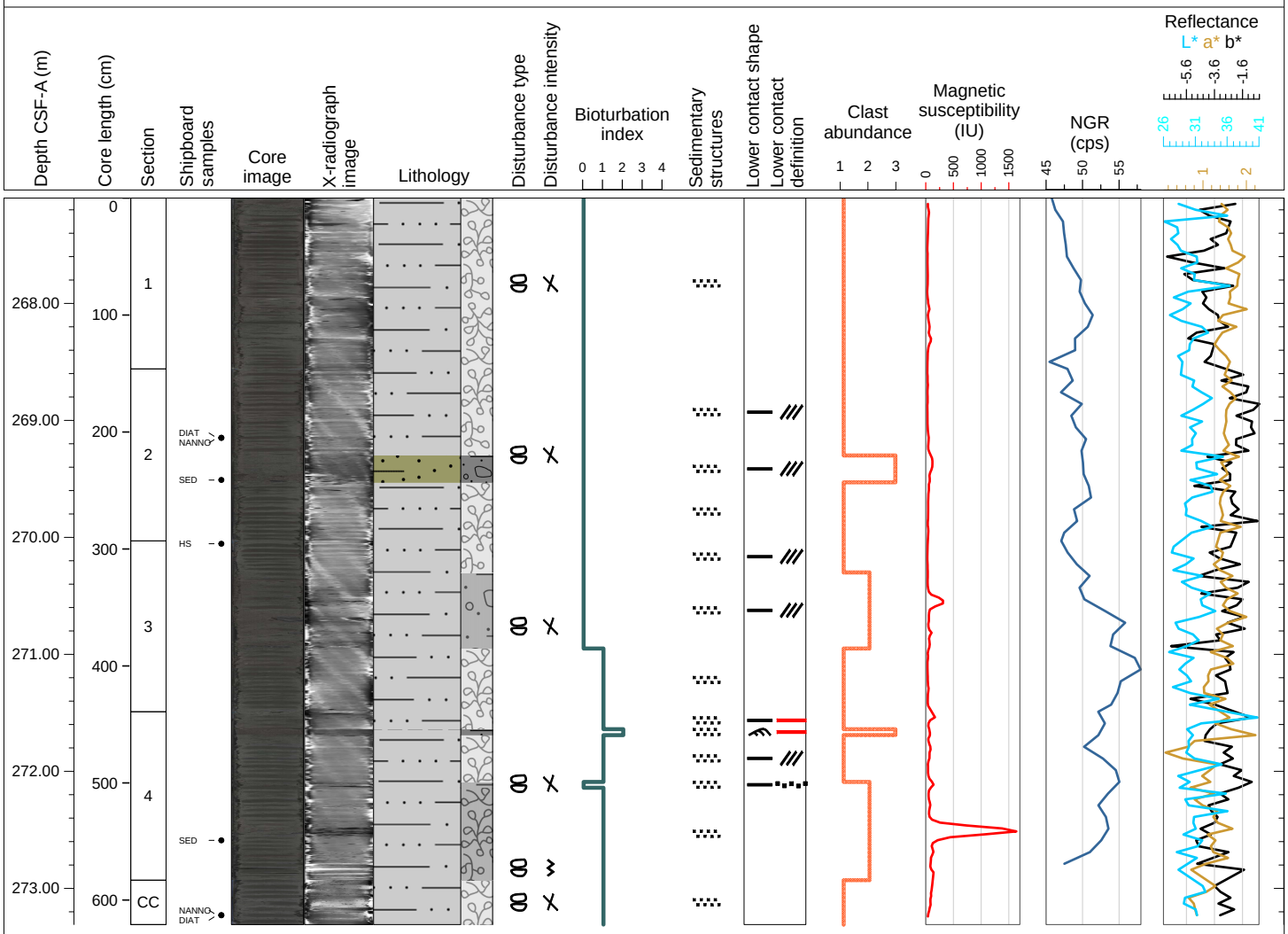
Hole 403-U1618C Core 41X, Interval 260.1-268.2 m (CSF-A)

Dark greyish structureless silty clay with dispersed to abundant clasts and dark patches. Intervals of heavy to slight bioturbation. Slight to moderate biscuiting throughout all sections of the core.



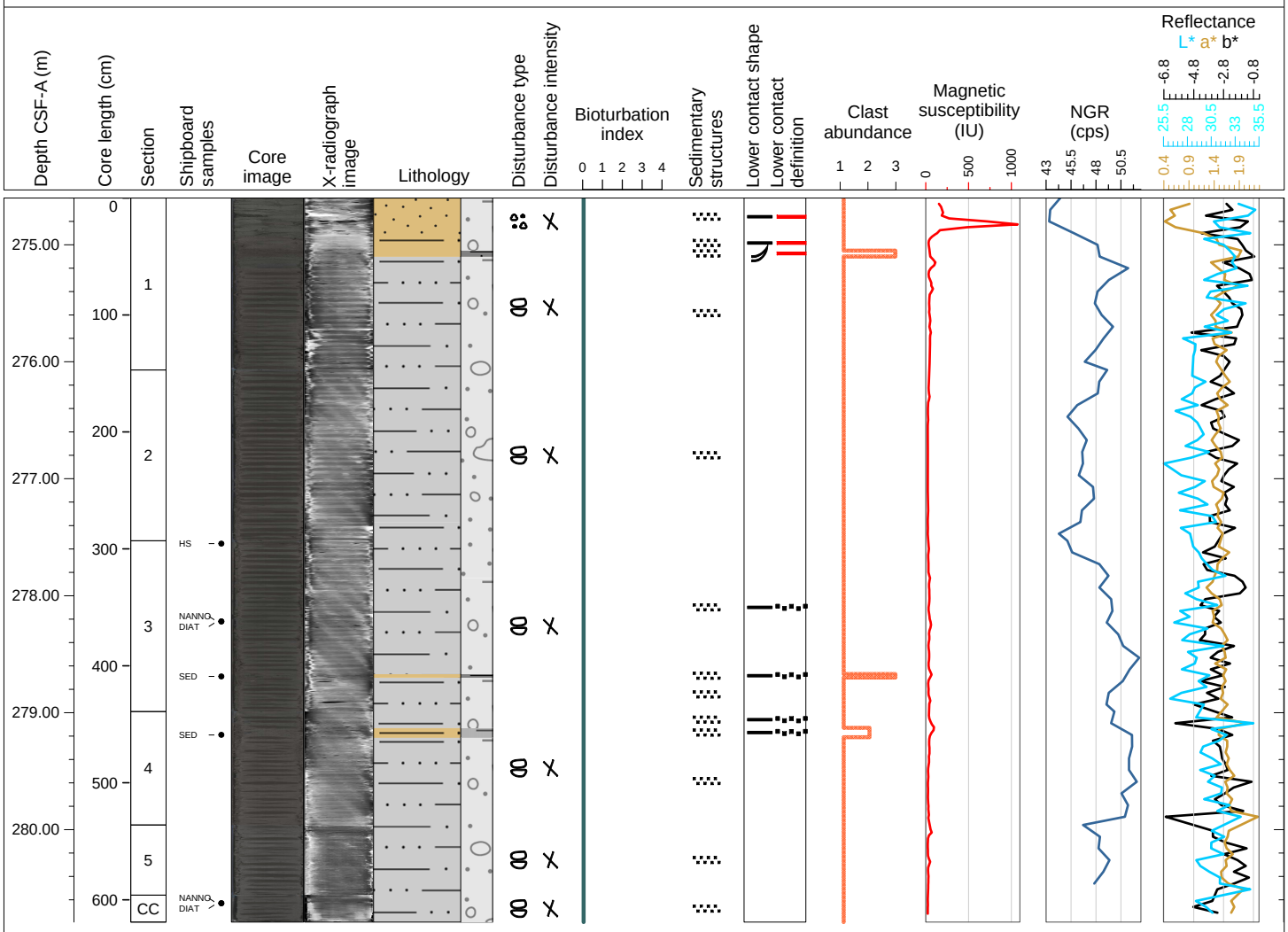
Hole 403-U1618C Core 42X, Interval 267.1-273.31 m (CSF-A)

Dark greyish structureless silty clay to clay with dispersed to abundant clasts and dark patches. Intervals of moderate to slight bioturbation. Moderate biscuiting throughout all sections of the core.



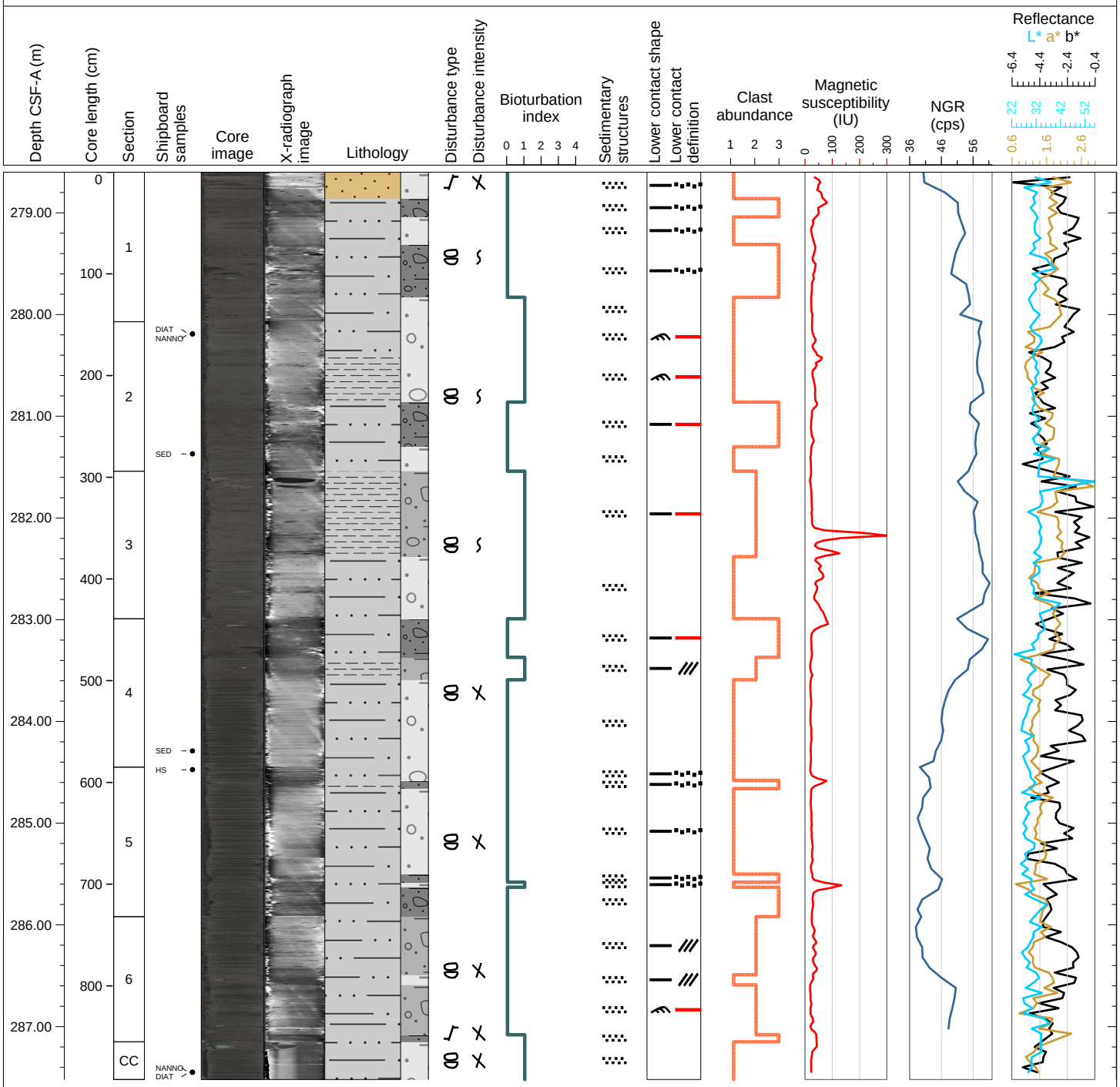
Hole 403-U1618C Core 43X, Interval 274.6-280.79 m (CSF-A)

Dark greyish structureless silty clay to clayey silt with dispersed to abundant clasts. Moderate biscuiting throughout all sections of the core.



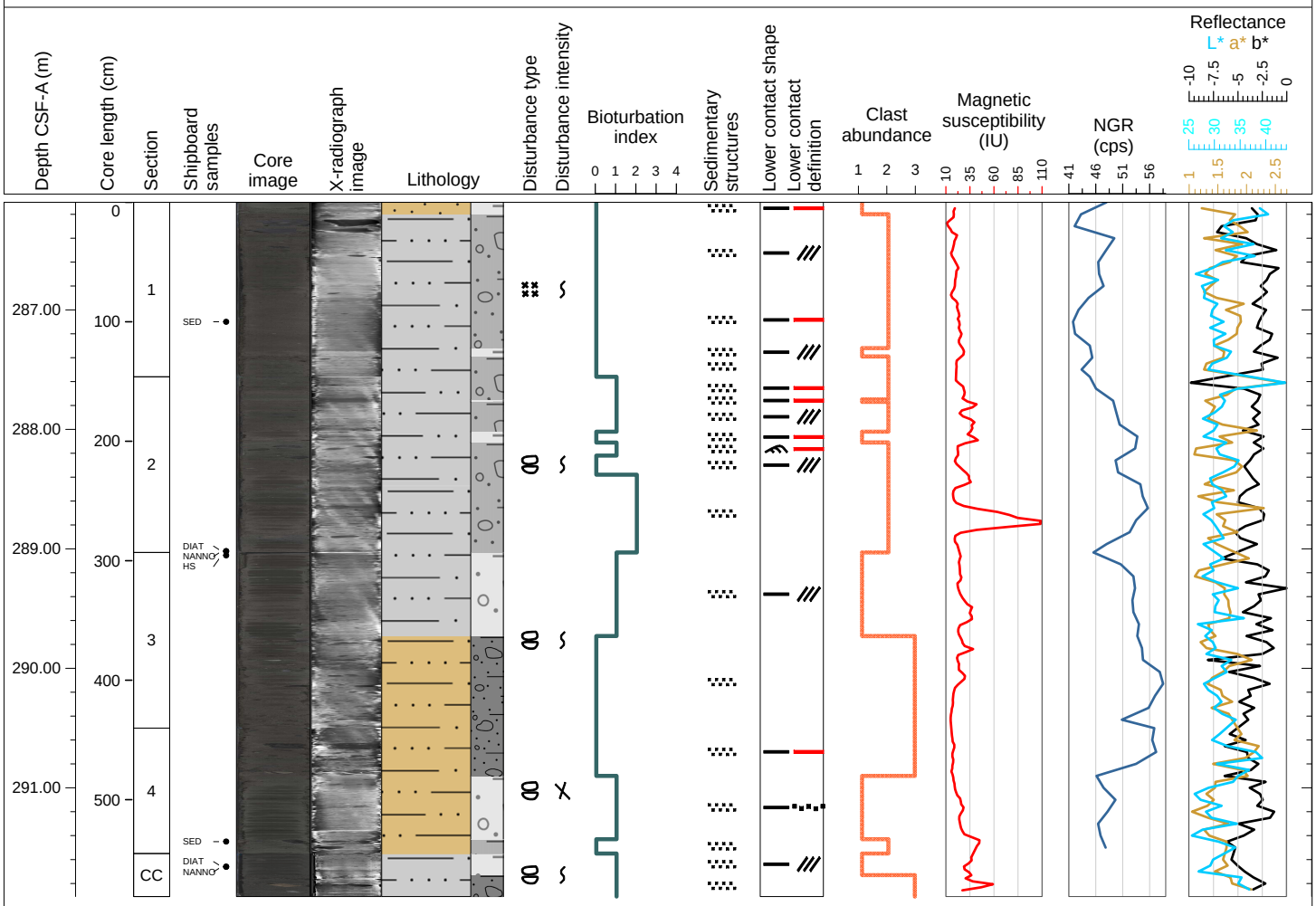
Hole 403-U1618C Core 44X, Interval 278.6-287.52 m (CSF-A)

Dark greyish structureless silty clay to clay with dispersed to abundant clasts . Reddish and green intervals present. Little to no bioturbation. Moderate to slight biscuiting and intervals of fracturing throughout all sections of the core.



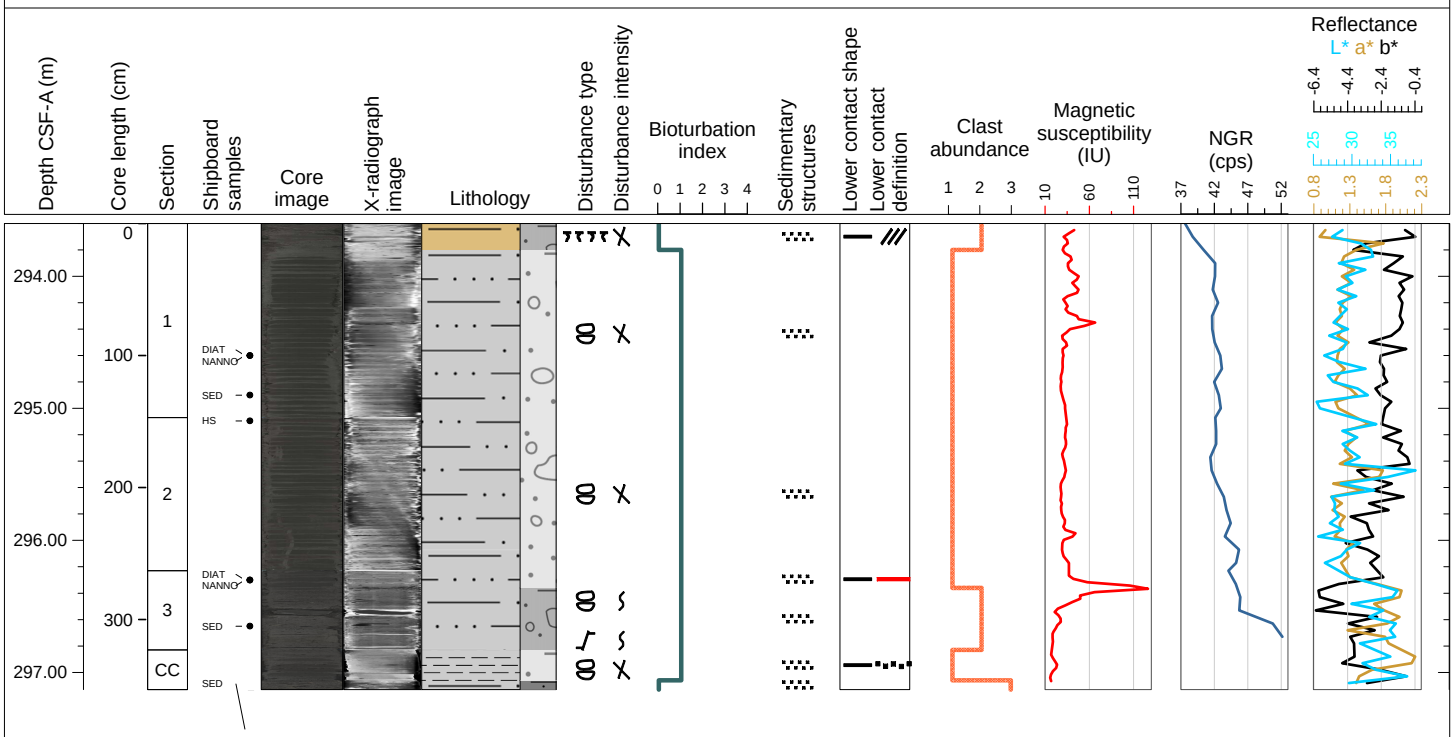
Hole 403-U1618C Core 45X, Interval 286.1-291.91 m (CSF-A)

Dark greyish structureless silty clay to clayey silt with dispersed to abundant clasts. Reddish and green intervals present. Moderate to slight bioturbation. Moderate to slight biscuiting throughout all sections of the core, along core contamination in se



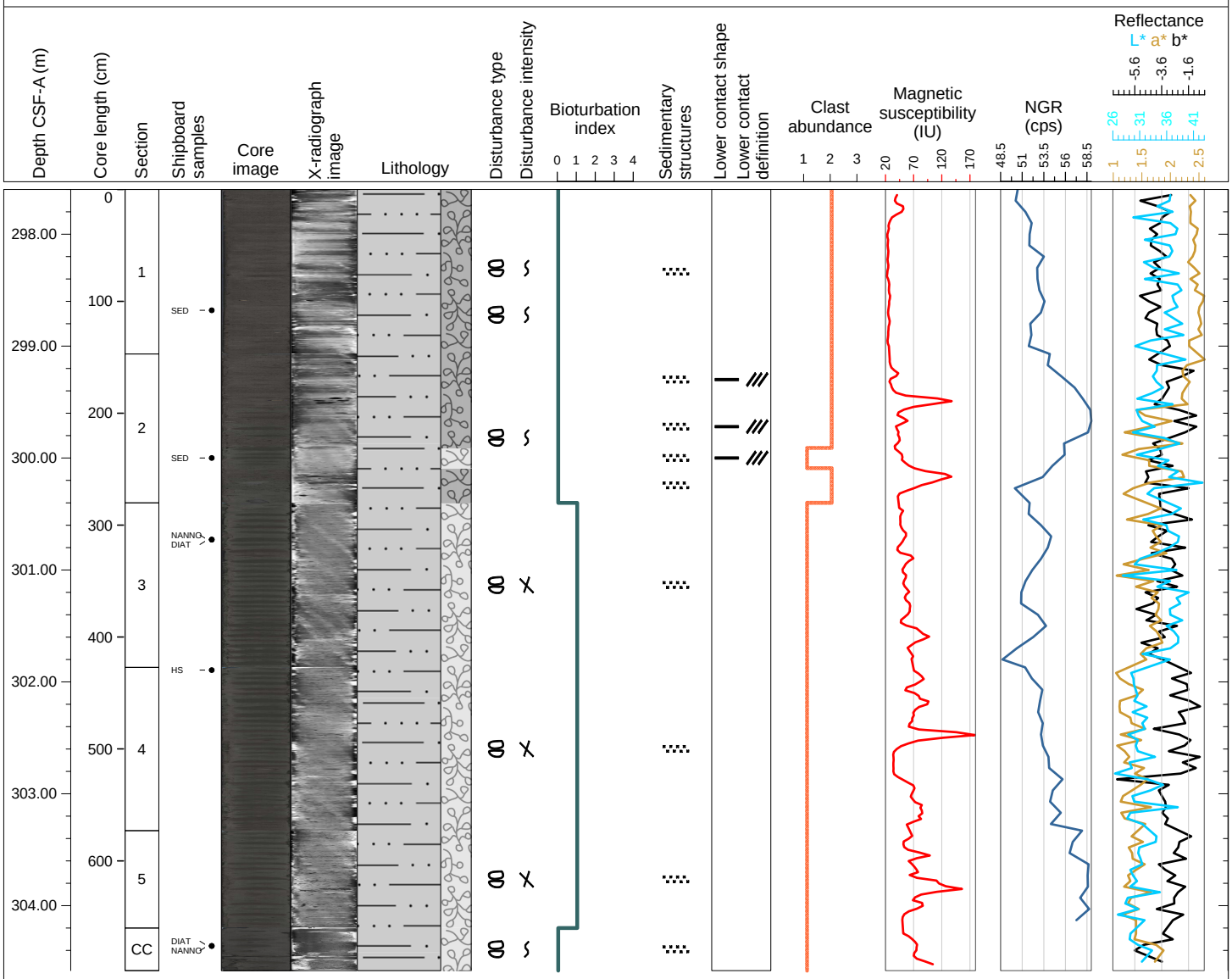
Hole 403-U1618C Core 46X, Interval 293.6-297.13 m (CSF-A)

Silty clay dominant with few clay and clayey silt intervals, all with dispersed to common clasts. Slight bioturbation except for top and bottom of core.



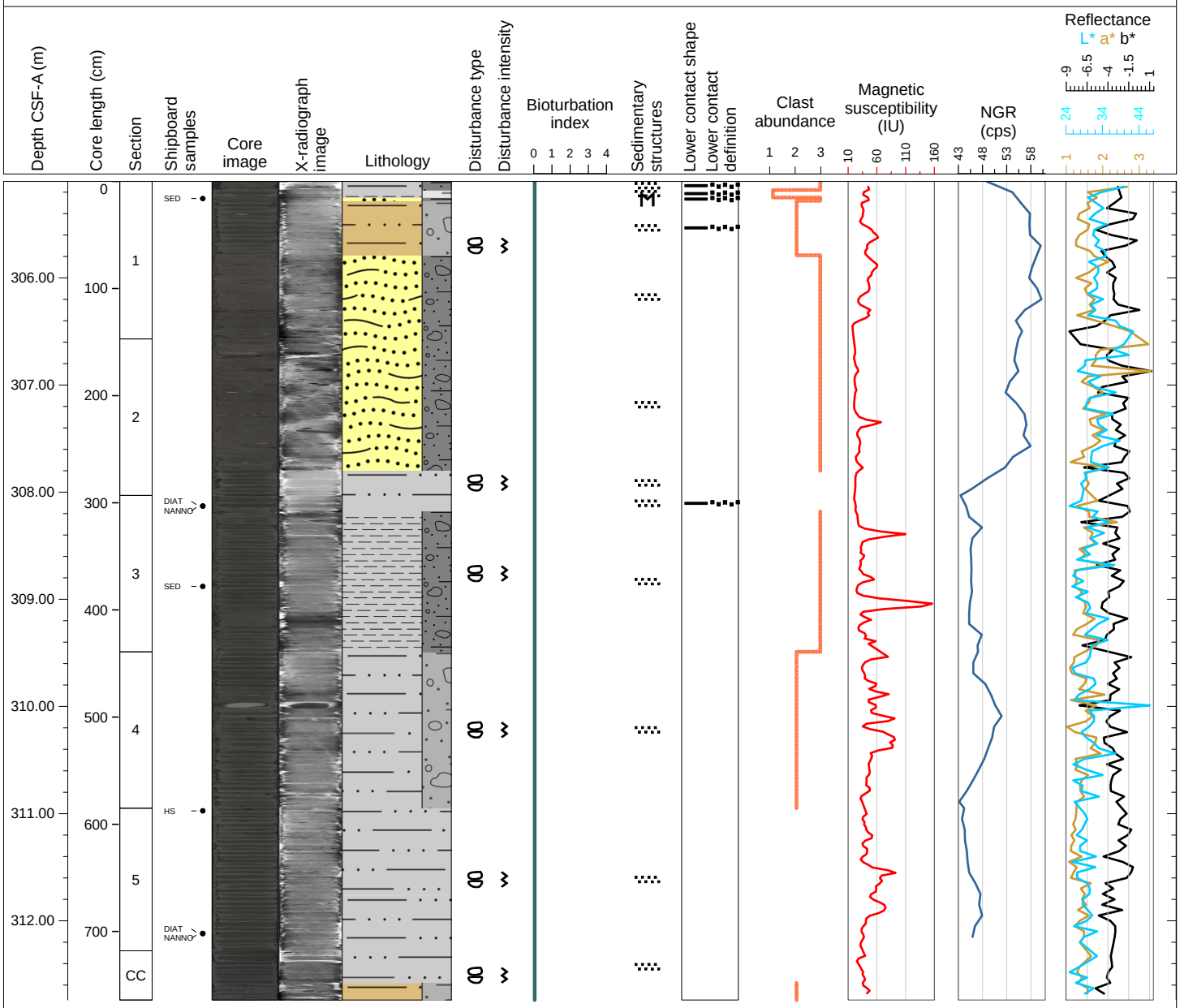
Hole 403-U1618C Core 47X, Interval 297.6-304.58 m (CSF-A)

Silty clay with dark patches, dispersed clasts at the base of the core, increasing to common mid-core and continuing to the top. There is a large clast at 112-114cm and 129-131cm in Section 2 and another at 90-92cm in Section 4. Sediments are structureles



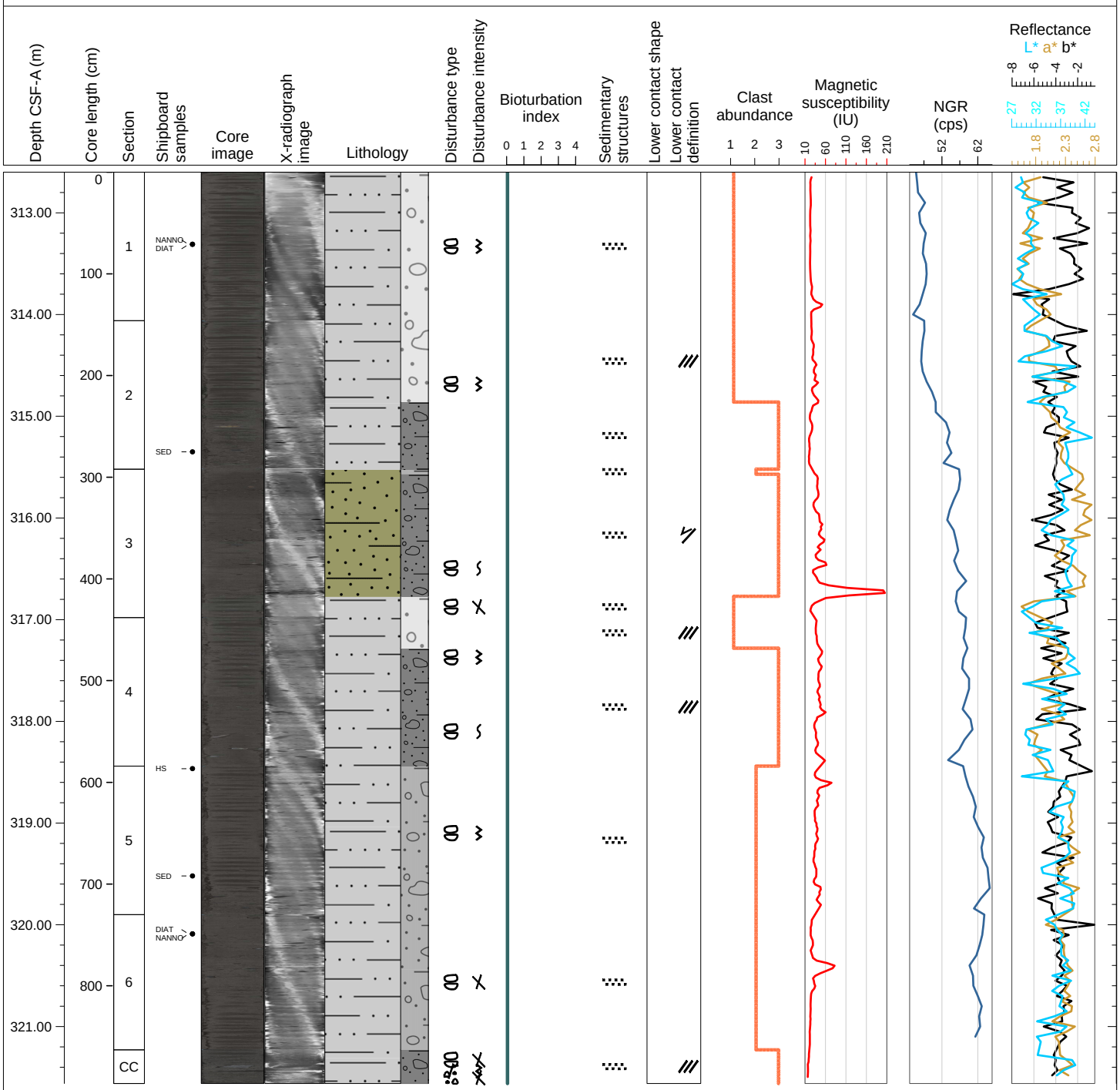
Hole 403-U1618C Core 48X, Interval 305.1-312.74 m (CSF-A)

Alternating silty clay, clayey silt, clay, and clayey sand with common clasts at the core base, increasing in abundance up-core. Clasts are increasingly concentrated at 70-87 cm and 120-147 cm in Section 1. There is a 6cm clast at 48-54cm in Section 4. Se



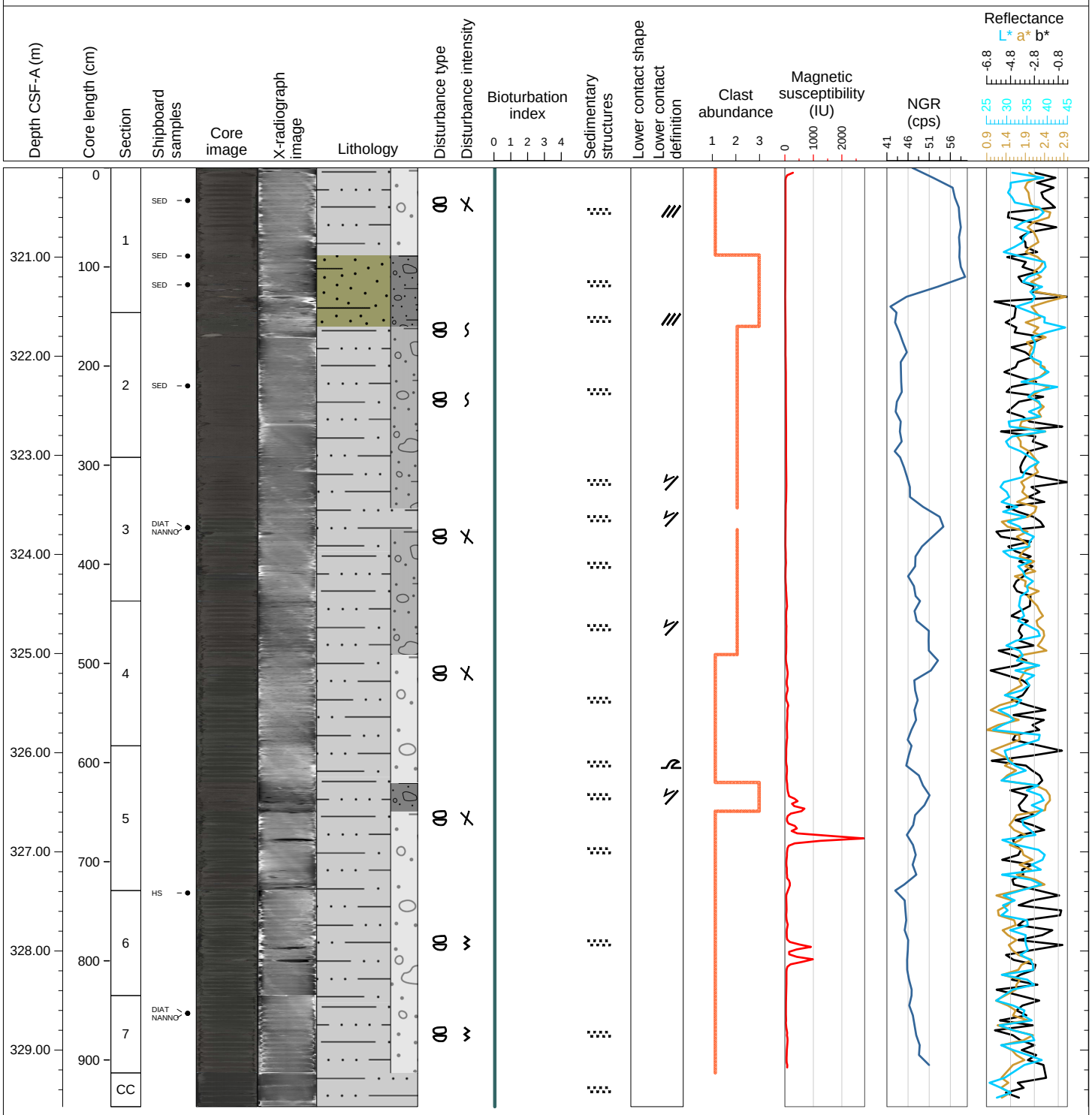
Hole 403-U1618C Core 49X, Interval 312.6-321.56 m (CSF-A)

Primarily silty clay with an interval of sandy mud mid-core. Clasts are abundant at the core base, varying between dispersed, abundant, and common throughout. There is a 4cm angular clast at 114-118cm in Section 4 and a 3cm grey, subangular clast at 17cm



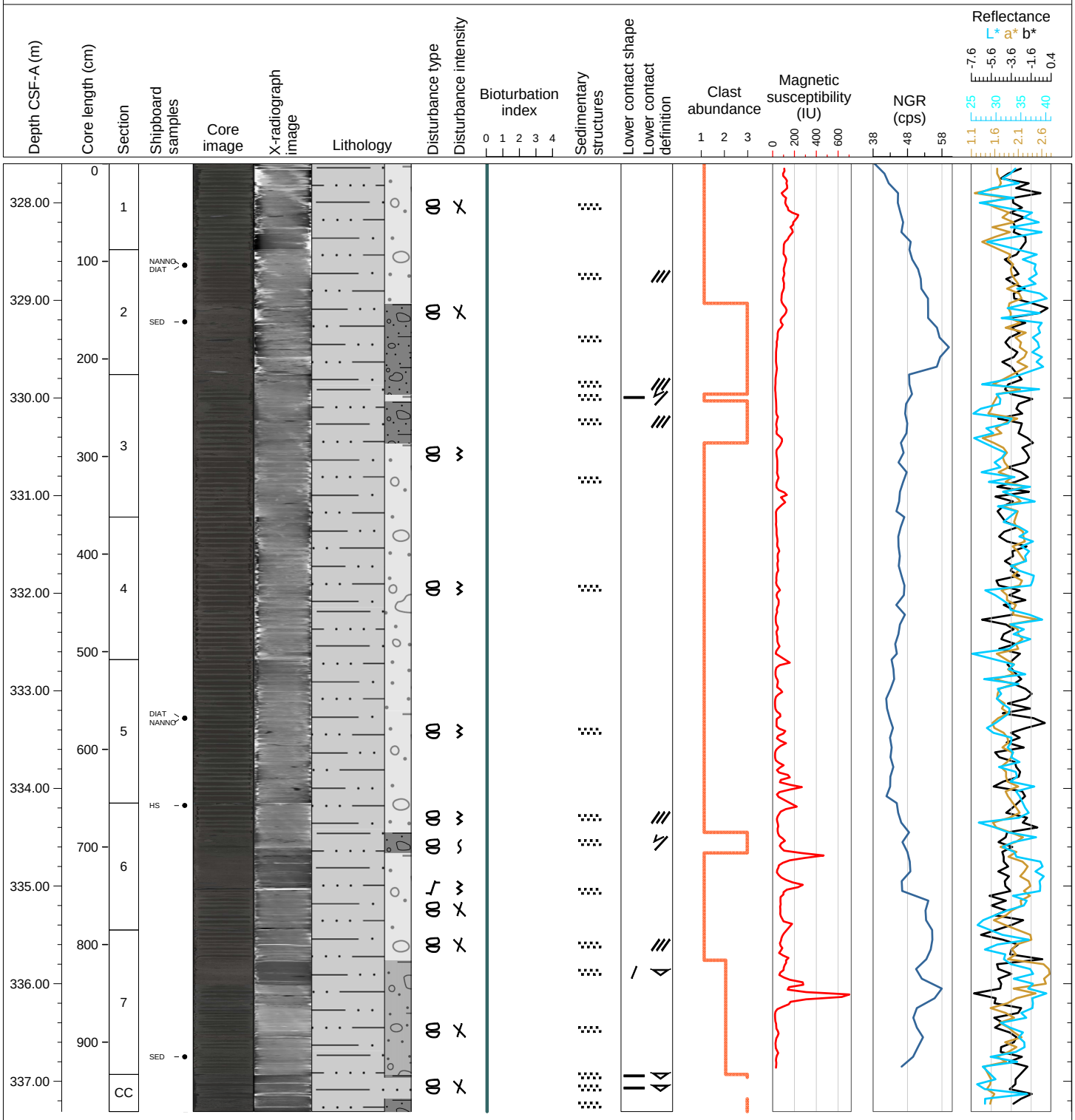
Hole 403-U1618C Core 50X, Interval 320.1-329.57 m (CSF-A)

Primarily silty clay with an interval of sandy mud in Sections 1 and 2. Clasts are dispersed at the base of the core, increasing up-core and alternating between dispersed, common, and abundant throughout. There is a 7cm clast that takes up top 3cm of Sect



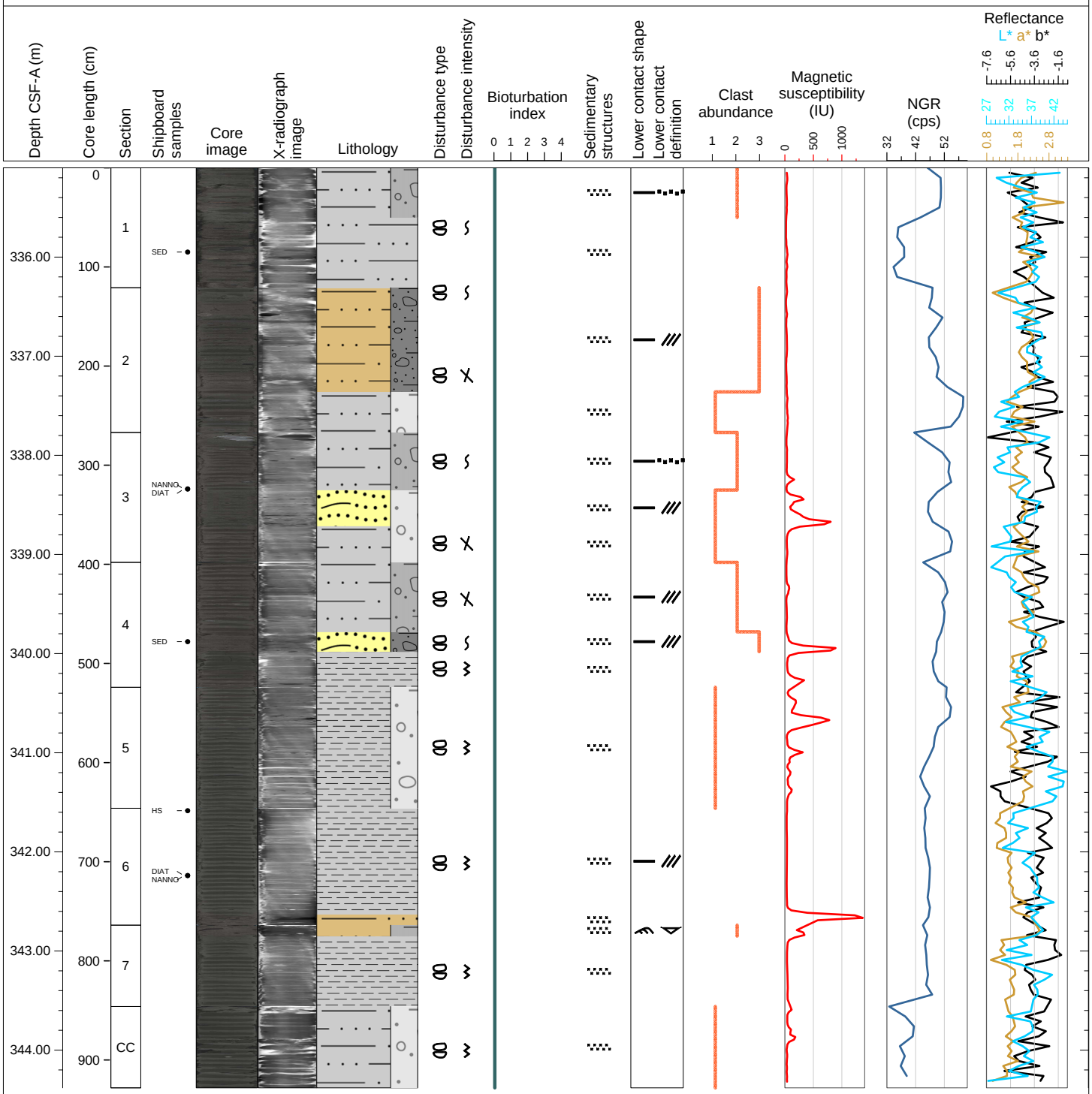
Hole 403-U1618C Core 51X, Interval 327.6-337.31 m (CSF-A)

Silty clay with dispersed to abundant clasts alternating throughout. There is a 2cm subrounded grey clast at 54cm in Section 1, an increased presence of black grains at the base of Section 2, a 3cm greyish green clast at 97cm in Section 4, 2-3cm black cla



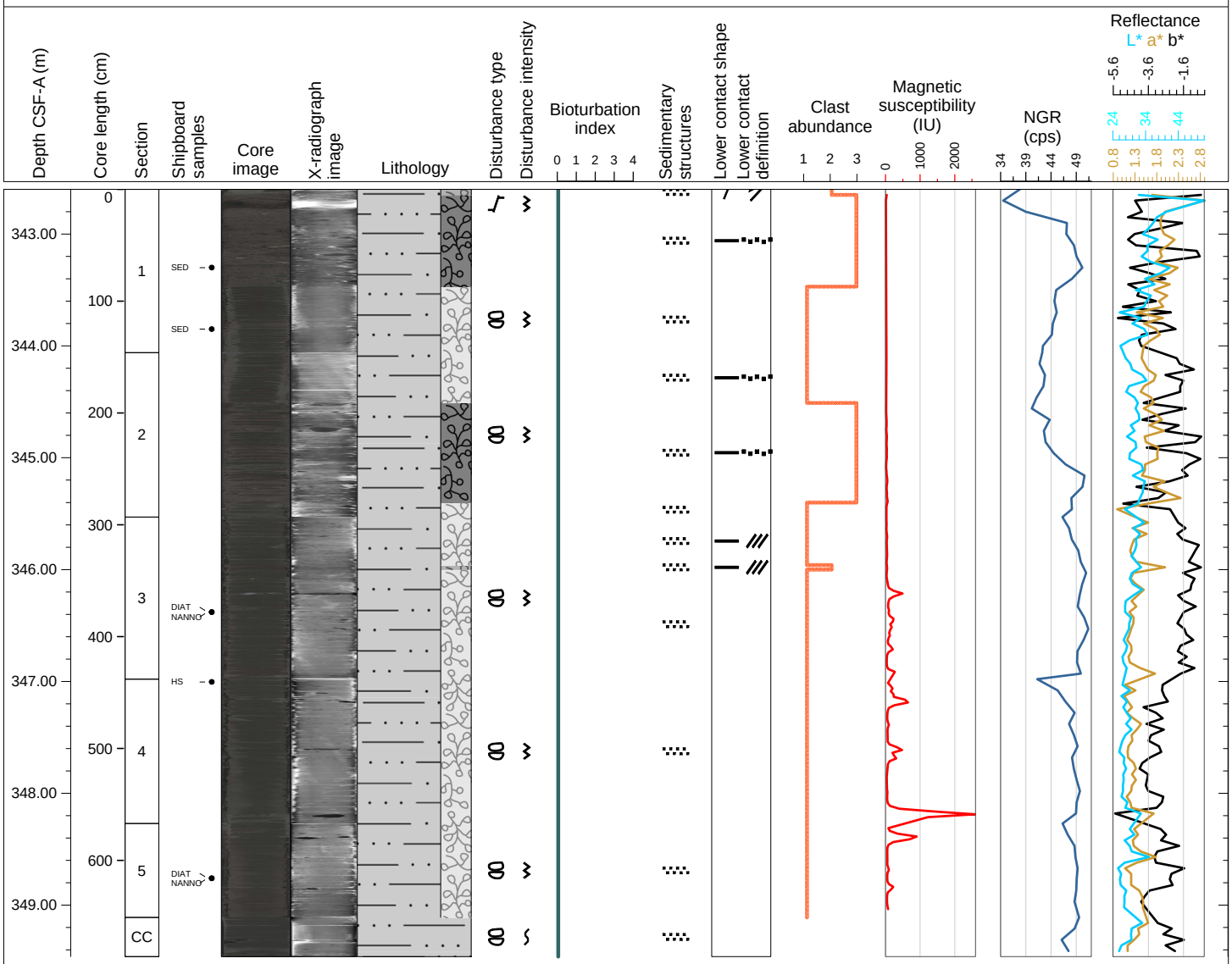
Hole 403-U1618C Core 52X, Interval 335.1-344.38 m (CSF-A)

Clay to clayey silt at the base of the core with increasing silt up-core. Dispersed to abundant clasts throughout with increasing abundance up-core. Sediments are structureless with no apparent bioturbation and slight to strong biscuiting, decreasing in s



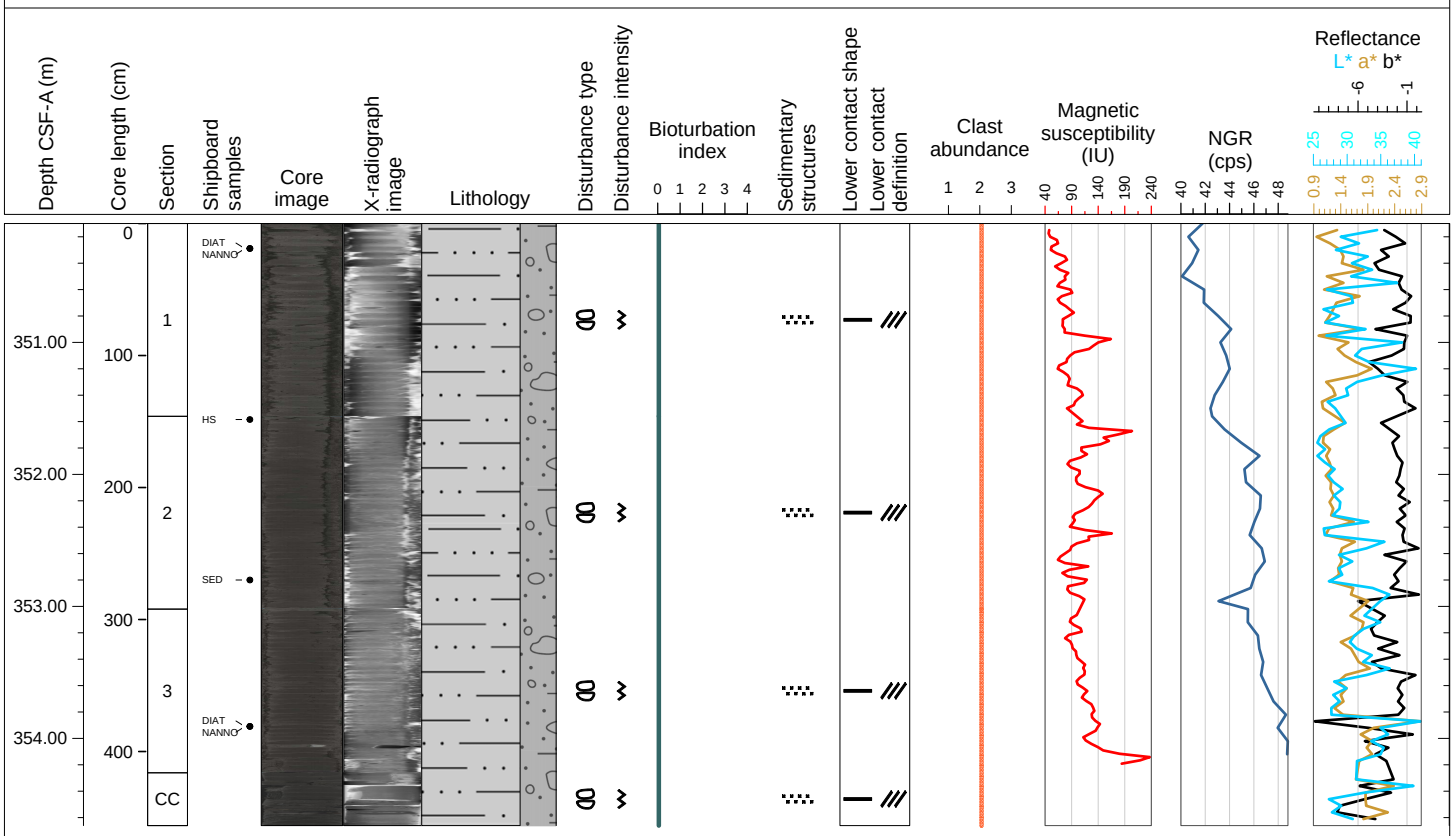
Hole 403-U1618C Core 53X, Interval 342.6-349.46 m (CSF-A)

Silty clay with dark patches throughout and dispersed to abundant grains with the amount increasing up-core. There is a 5cm clast from 10-15cm in Section 1, abundant clasts from 46-84cm in Section 1, a 4cm clast from 67-71cm in Section 2, a 2cm clast from



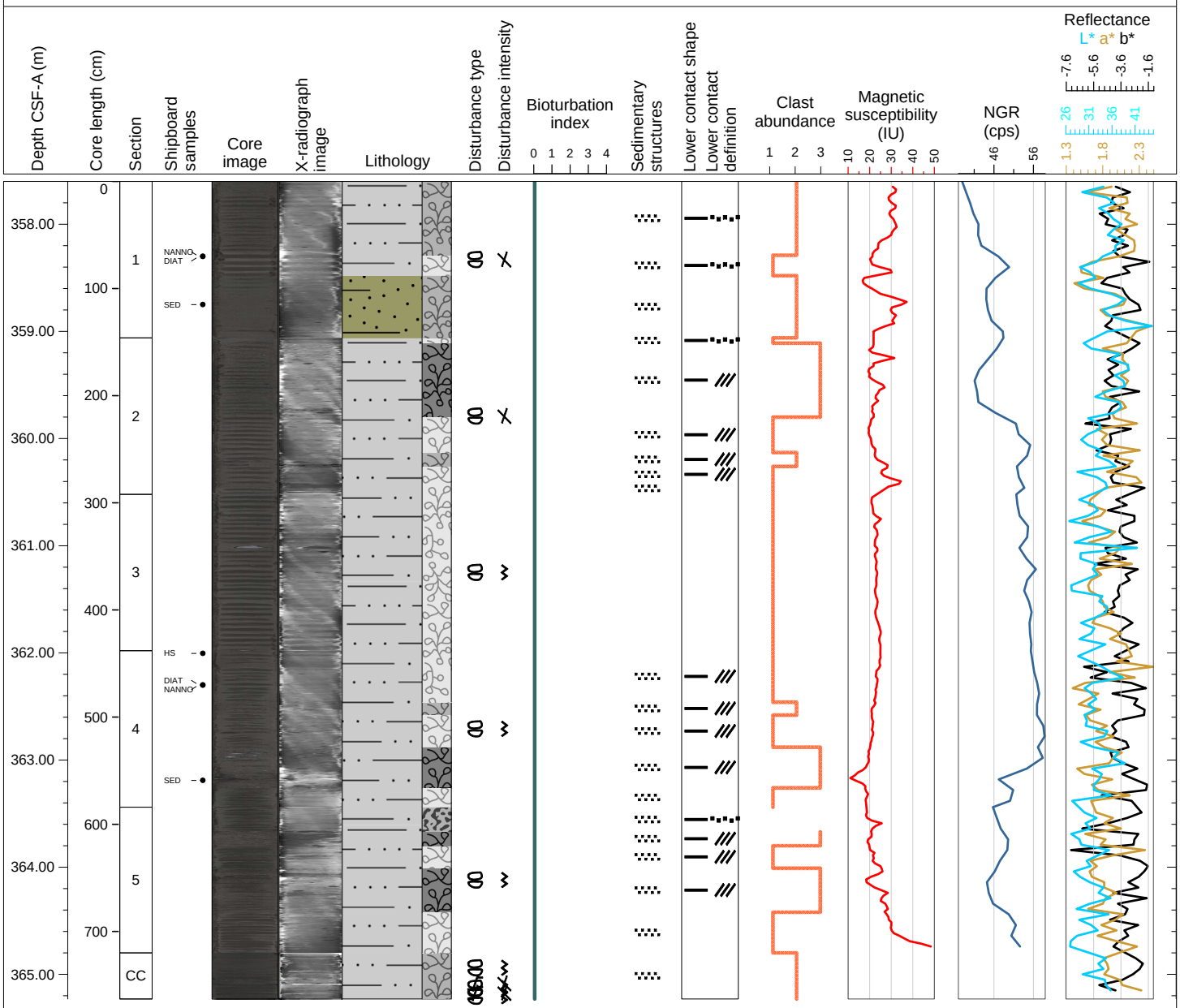
Hole 403-U1618C Core 54X, Interval 350.1-354.66 m (CSF-A)

Silty clay with common clasts. Sediments are structureless with no apparent bioturbation and strongly biscuited throughout.



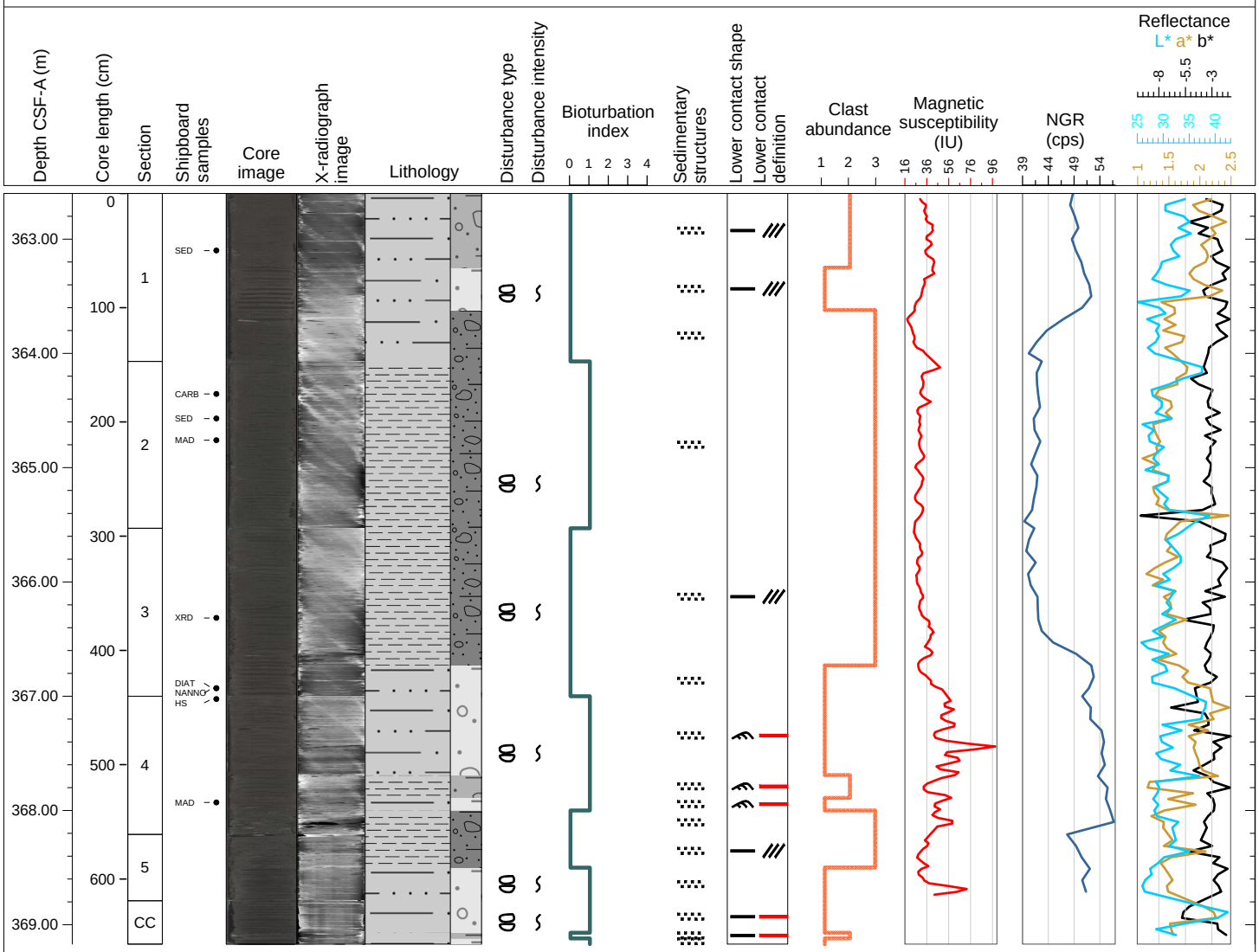
Hole 403-U1618C Core 55X, Interval 357.6-365.23 m (CSF-A)

Silty clay with dark patches and clast abundance varying from dispersed to abundant throughout. There is a 4cm clast from 114-118cm in Section 2, another 3cm clast from 49-51cm in Section 3, and additional large clasts at 95-99cm in Section 4. Sediments a



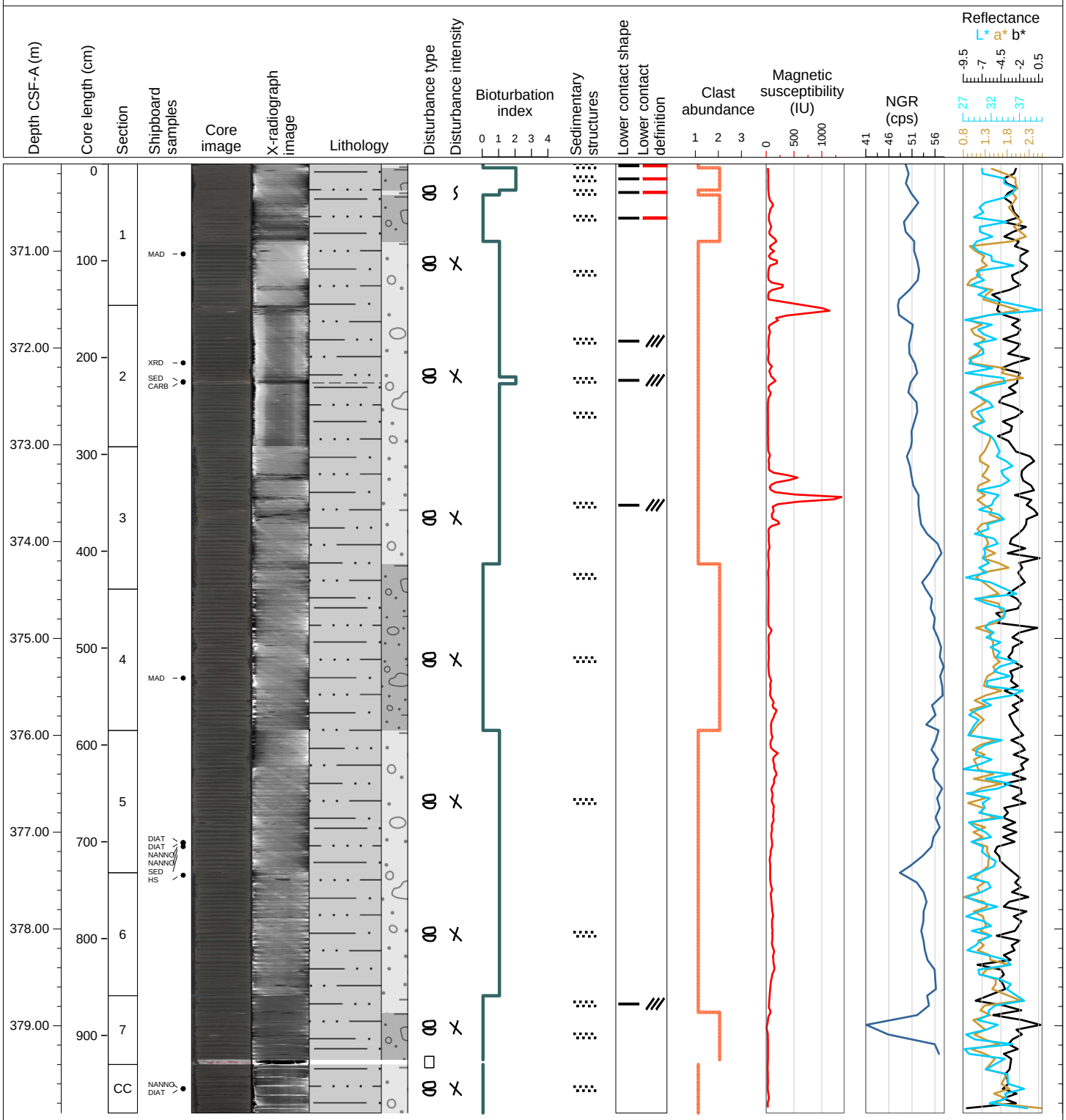
Hole 403-U1618C Core 56X, Interval 362.6-369.17 m (CSF-A)

Dark greyish structureless silty clay to clay with dispersed to abundant clasts. Little to no bioturbation. Slight biscuiting throughout all sections of the core.



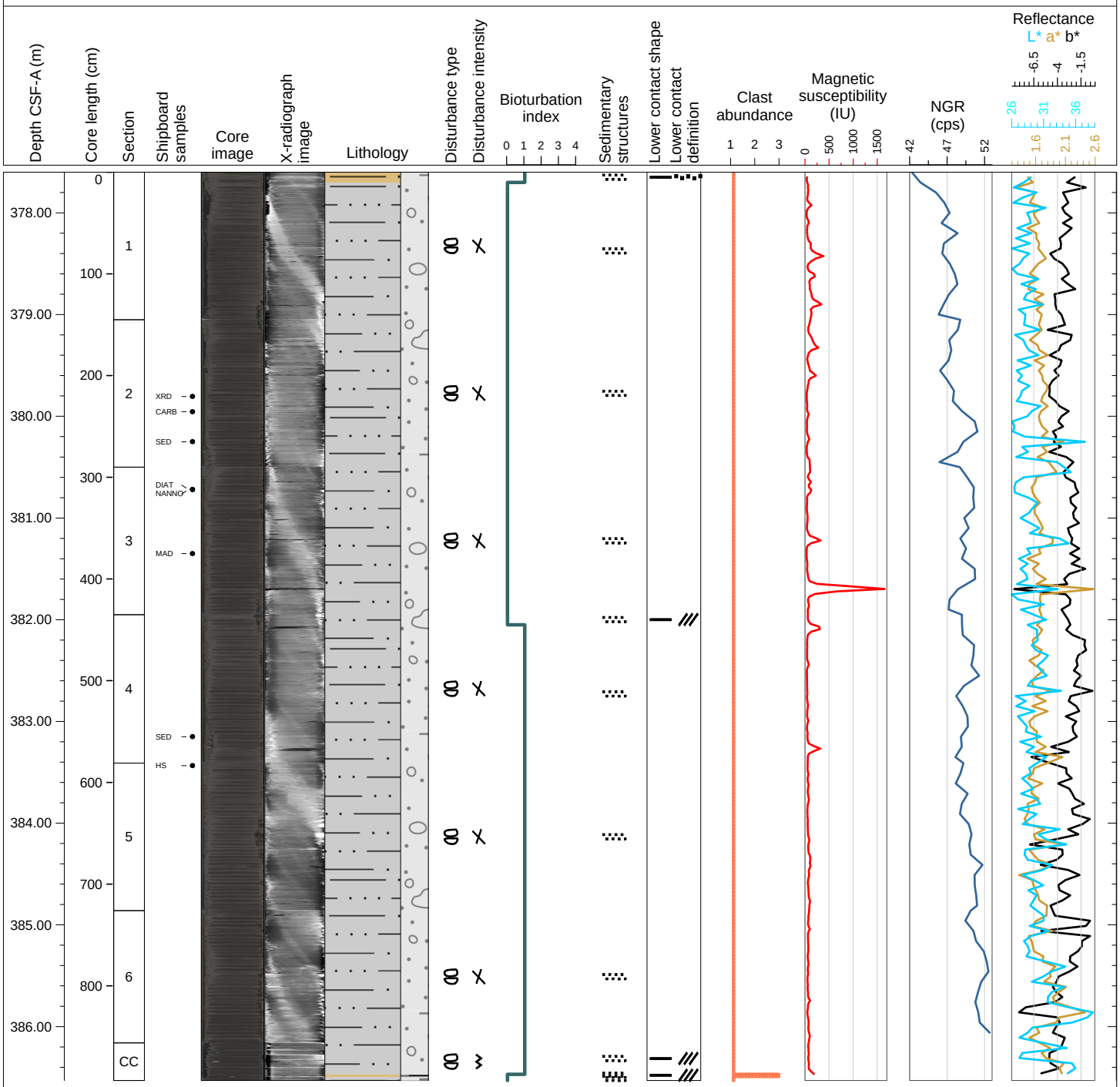
Hole 403-U1618C Core 57X, Interval 370.1-379.9 m (CSF-A)

Dark greyish structureless silty clay to clay with dispersed to abundant clasts. Moderate bioturbation in various intervals. Moderate biscuiting throughout all sections of the core.



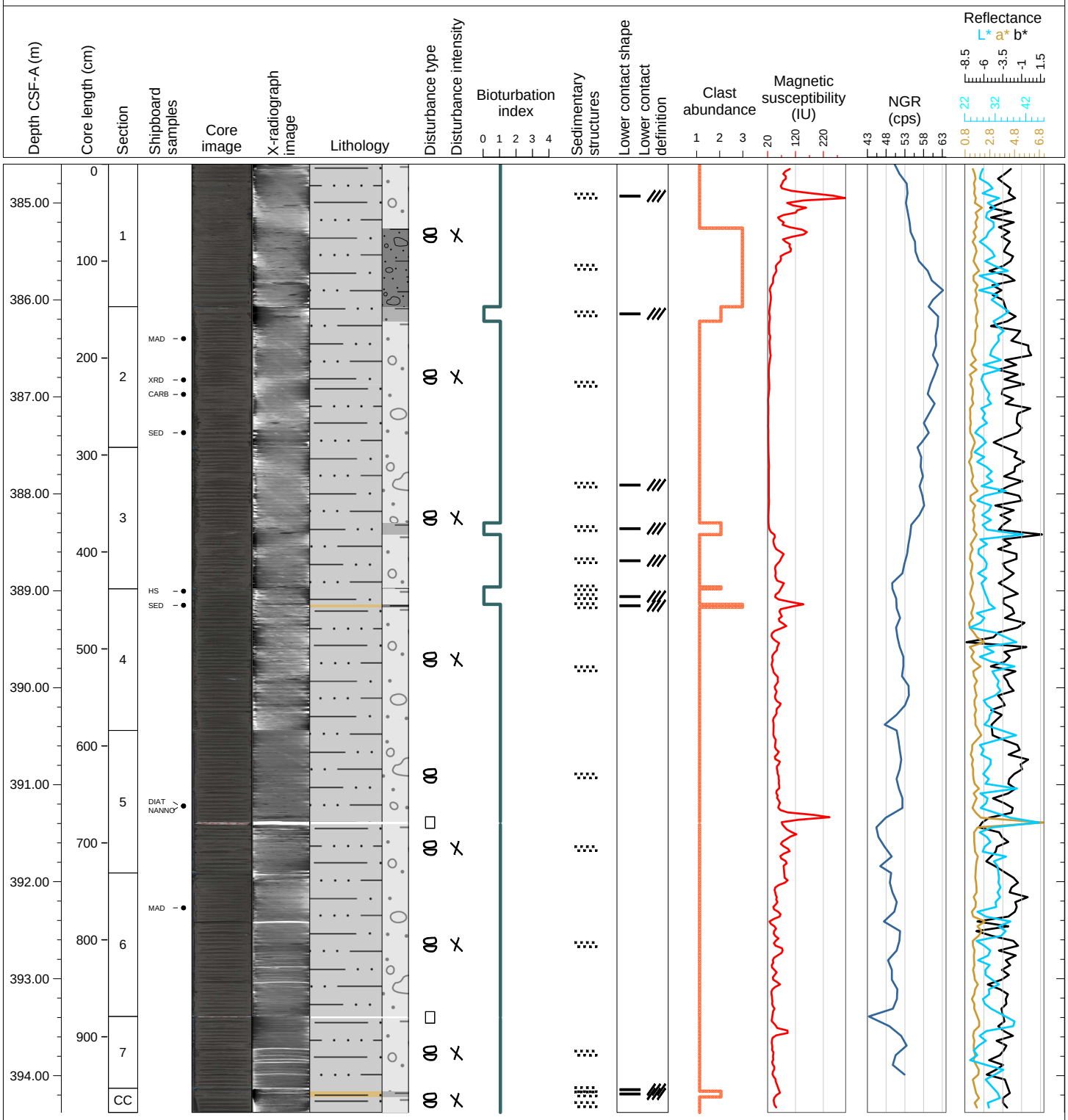
Hole 403-U1618C Core 58X, Interval 377.6-386.53 m (CSF-A)

Dark greyish structureless silty clay to clayey silt with dispersed to abundant clasts. Thin laminations occur in the sections 1 - 4. Little to no bioturbation. Moderate biscuiting throughout all sections of the core.



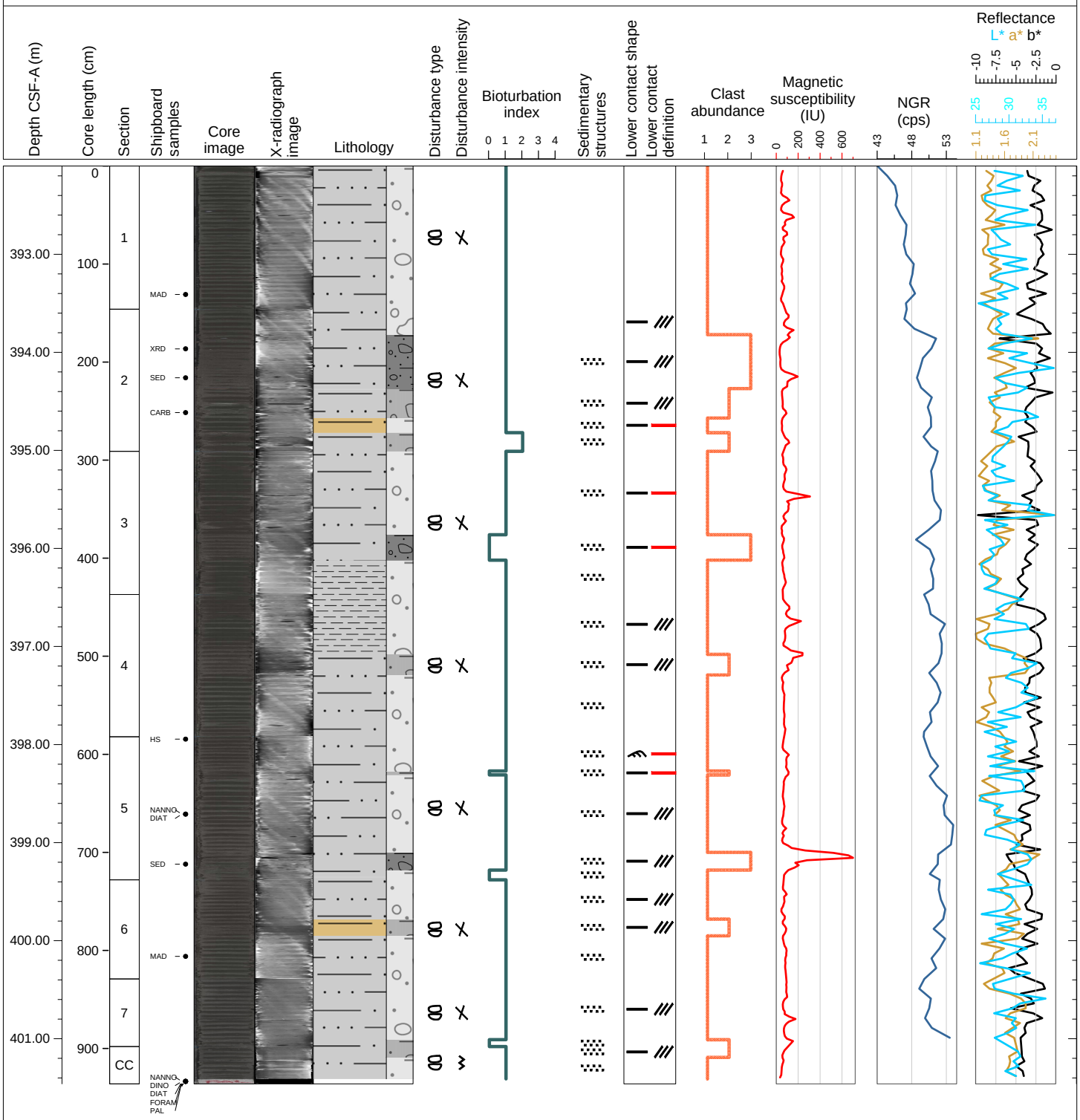
Hole 403-U1618C Core 59X, Interval 384.6-394.38 m (CSF-A)

Dark greyish structureless silty clay to clayey silt with dispersed to abundant clasts. Little to no bioturbation. Moderate biscuiting and fracturing throughout all sections of the core.



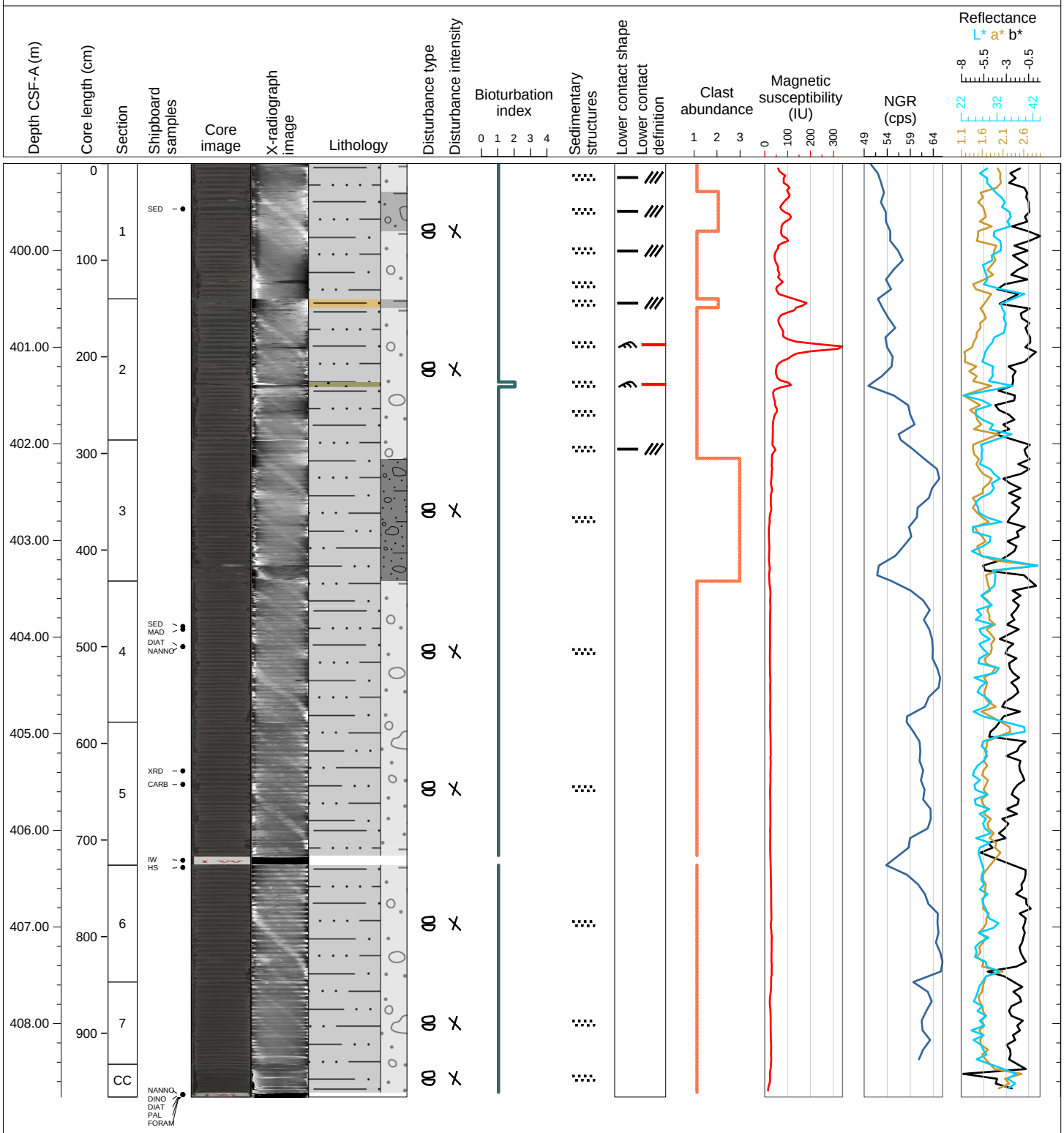
Hole 403-U1618C Core 60X, Interval 392.1-401.46 m (CSF-A)

Dark greyish structureless silty clay to clayey silt with dispersed to abundant clasts. Thin laminations occur in the sections 1 - 2. Little to no bioturbation. Moderate biscuiting throughout all sections of the core.



Hole 403-U1618C Core 61X, Interval 399.1-408.76 m (CSF-A)

Dark greyish structureless silty clay to clayey silt with dispersed to abundant clasts. A sandy mud interval occurs in section 2. Moderate to little bioturbation. Moderate biscuiting throughout all sections of the core.



Hole 403-U1618C Core 62X, Interval 406.1-415.24 m (CSF-A)

Dark greyish structureless silty clay with dispersed clasts. Sections of slight bioturbation. Thick laminations (0.3 mm to 1 cm) occur in sections 3-7. Strong biscuiting throughout all sections of the core.