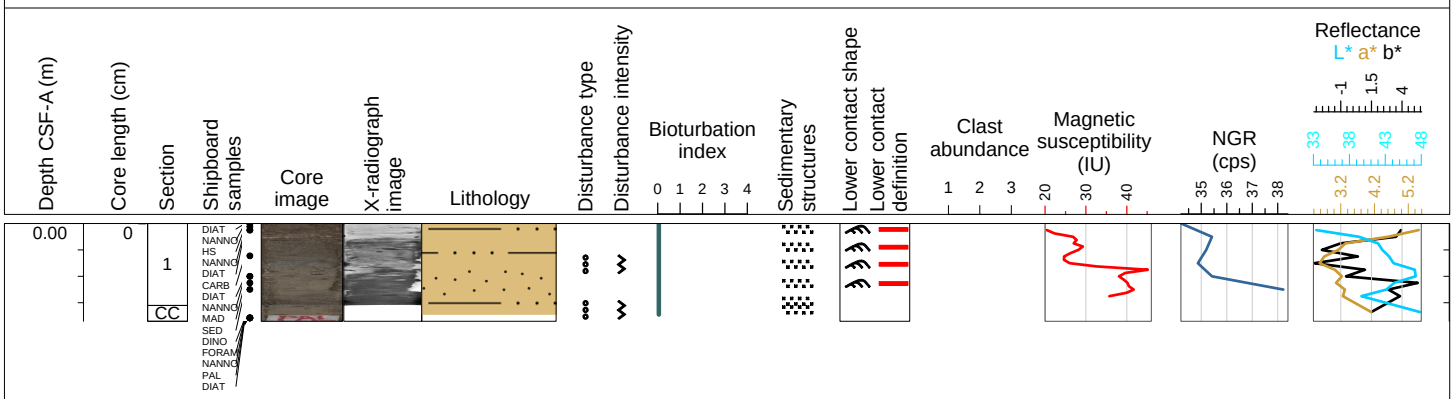
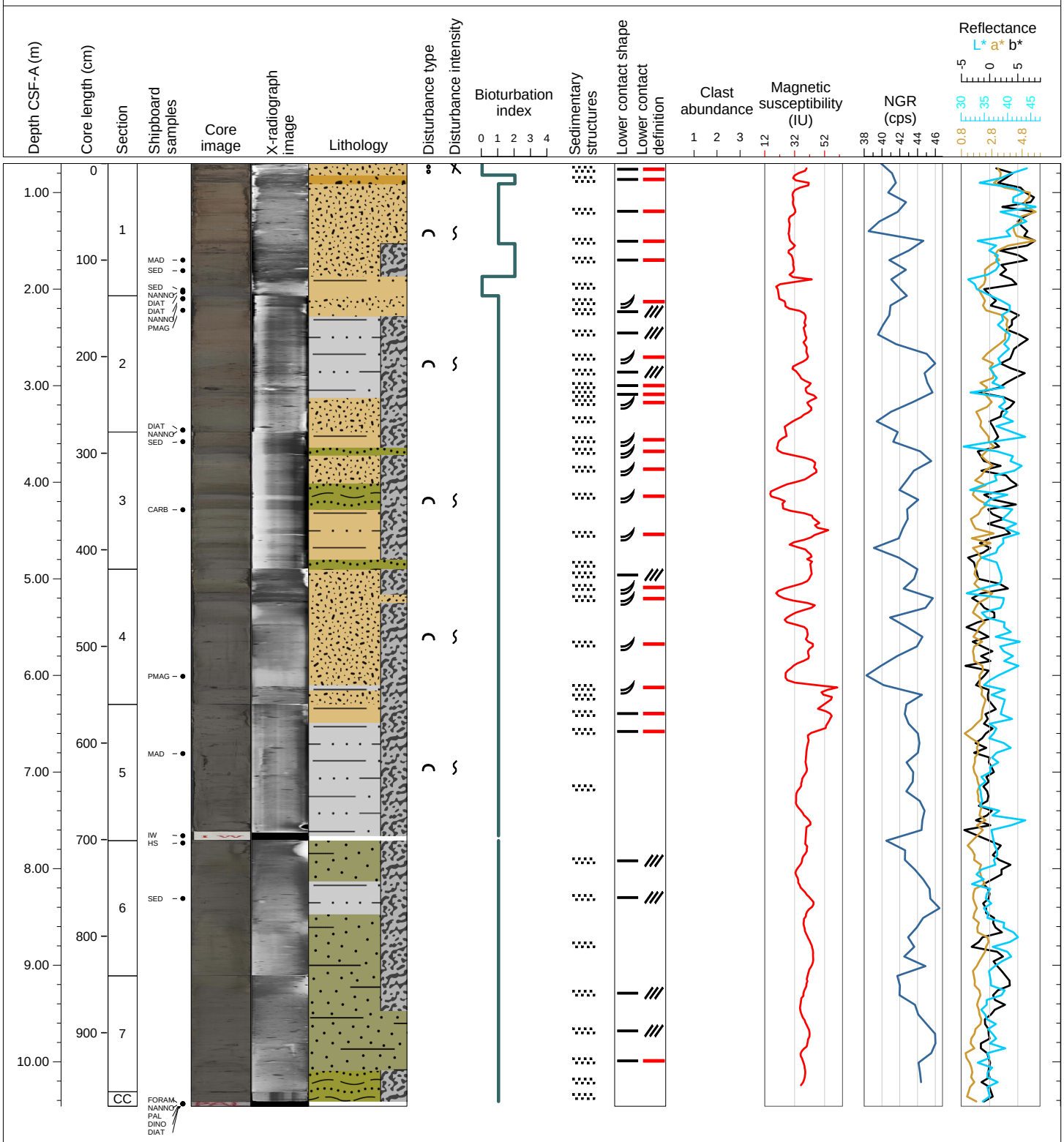
Hole 403-U1620A Core 1H, Interval 0.0-0.74 m (CSF-A)

Mostly soft dark yellowish grey structureless clayey silt with some irregular bands of slightly lighter color. Only one section, soupy and heavily disturbed.



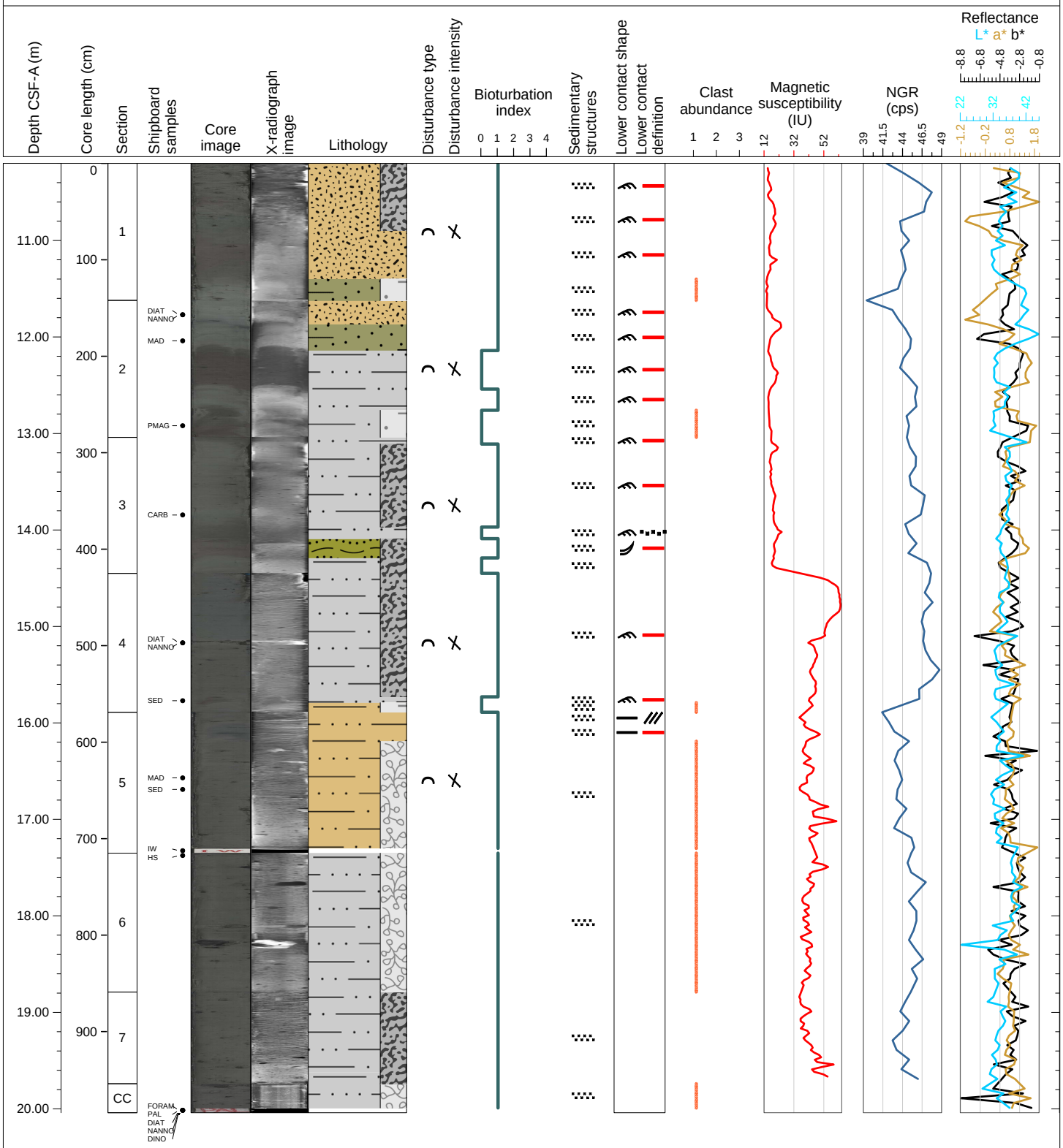
Hole 403-U1620A Core 2H, Interval 0.7-10.46 m (CSF-A)

Alternating intervals of soft silty clay and sandy silt, color is variable within the brown to grey range. Mostly slightly bioturbated. Core shows slight up-arching.



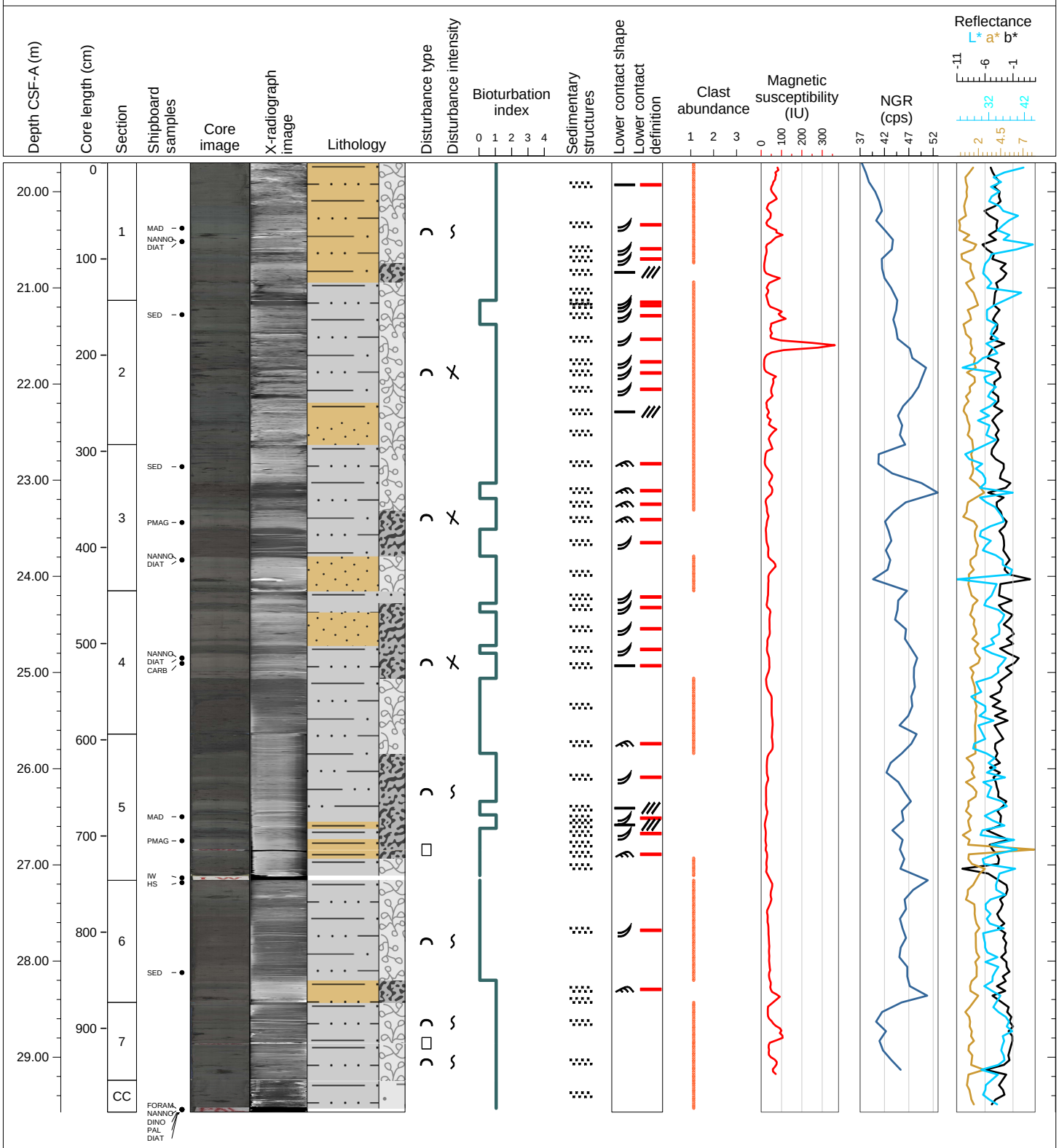
Hole 403-U1620A Core 3H, Interval 10.2-20.04 m (CSF-A)

Alternating intervals of soft structureless silty clay and sandy silt, variable colors within the brown to grey range in the upper part, changing to greenish-grey in the lower part. No apparent to slight bioturbation. Layers are moderately up-arching.



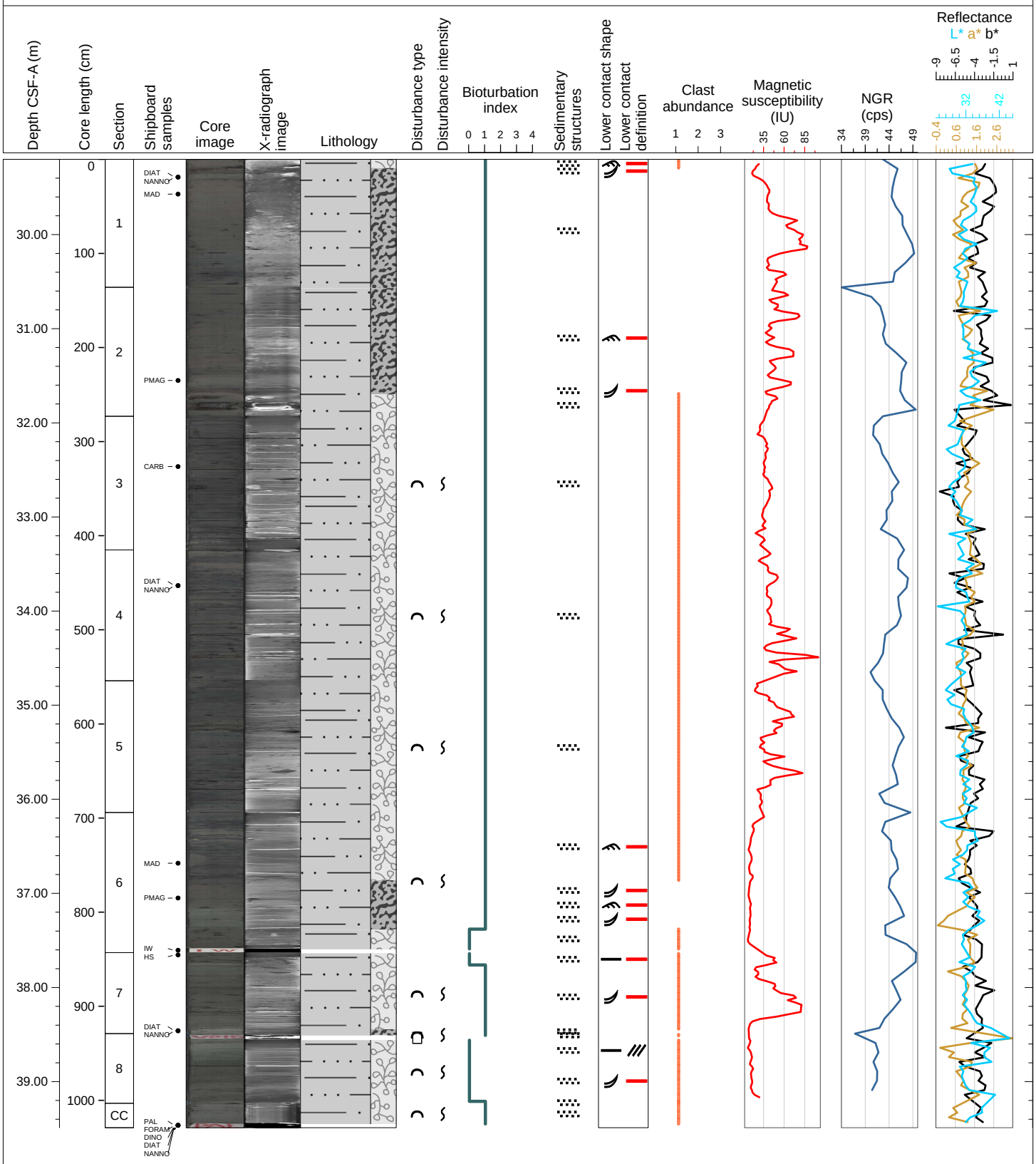
Hole 403-U1620A Core 4H, Interval 19.7-29.57 m (CSF-A)

Alternating intervals of soft structurelyess silty clay and clayey silt with dark patches, some intervals with dispersed clasts. Variable colors in the greenish to grey range. No apparent to slight bioturbation. Layers are slightly to moderately up-arching.



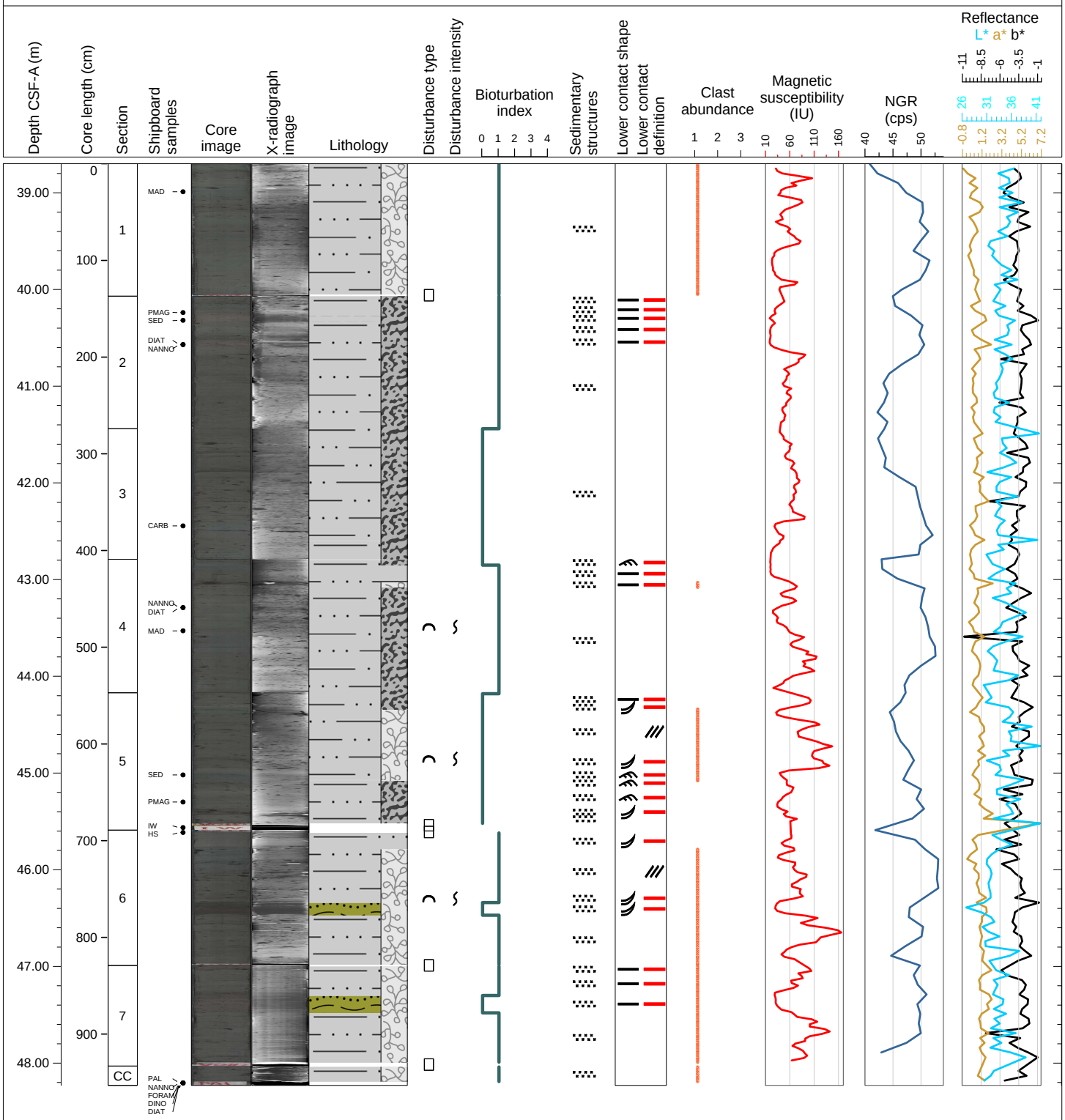
Hole 403-U1620A Core 5H, Interval 29.2-39.49 m (CSF-A)

Soft structureless silty clay in the greenish to grey color range, slightly bioturbated. Layers are slightly up-arching.



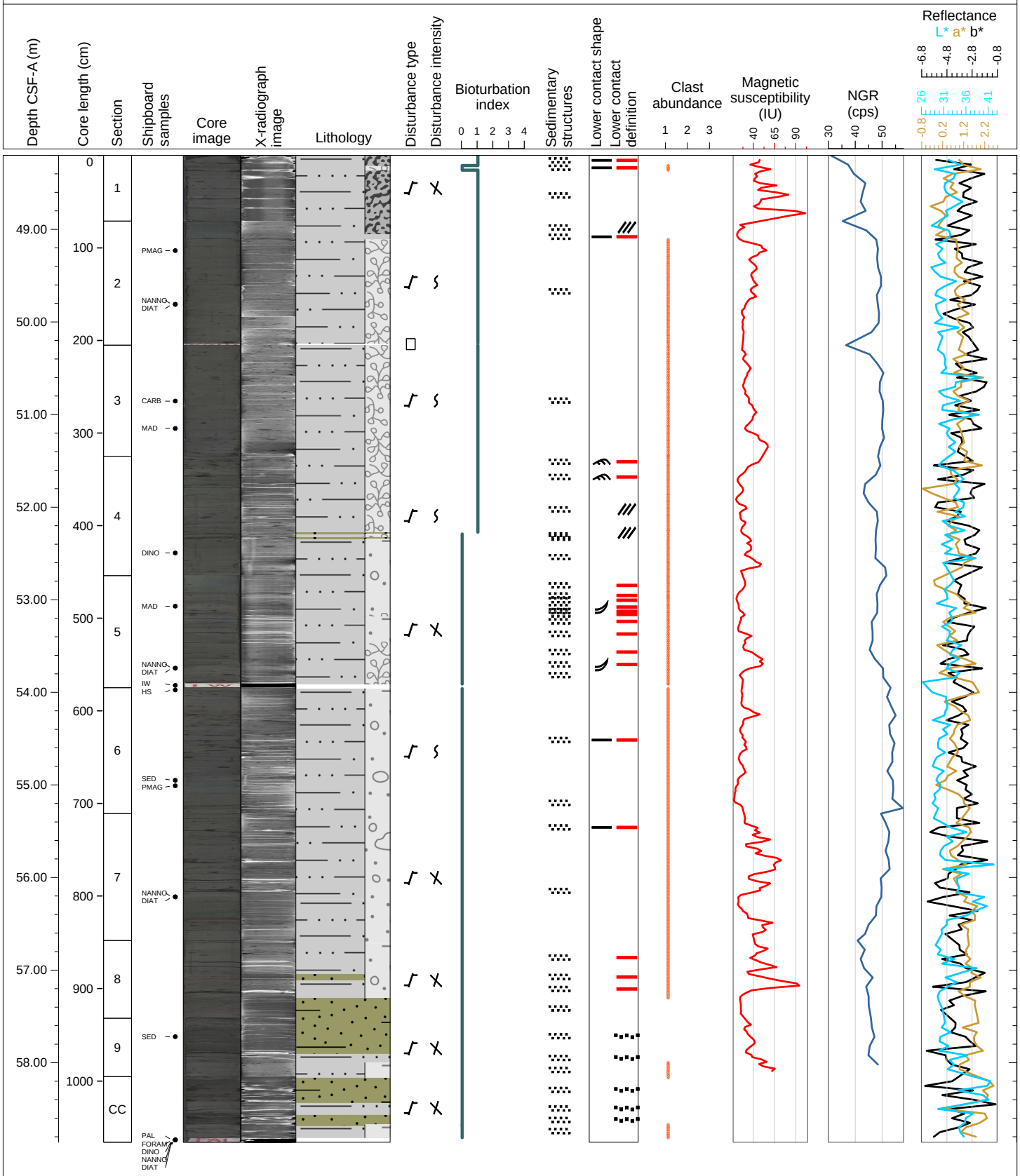
Hole 403-U1620A Core 6H, Interval 38.7-48.23 m (CSF-A)

Soft structureless silty clay with dark patches, some intervals with dispersed clasts. Color ranges from greenish to grey. No apparent to slight bioturbation. Some parts are slightly up-arching.



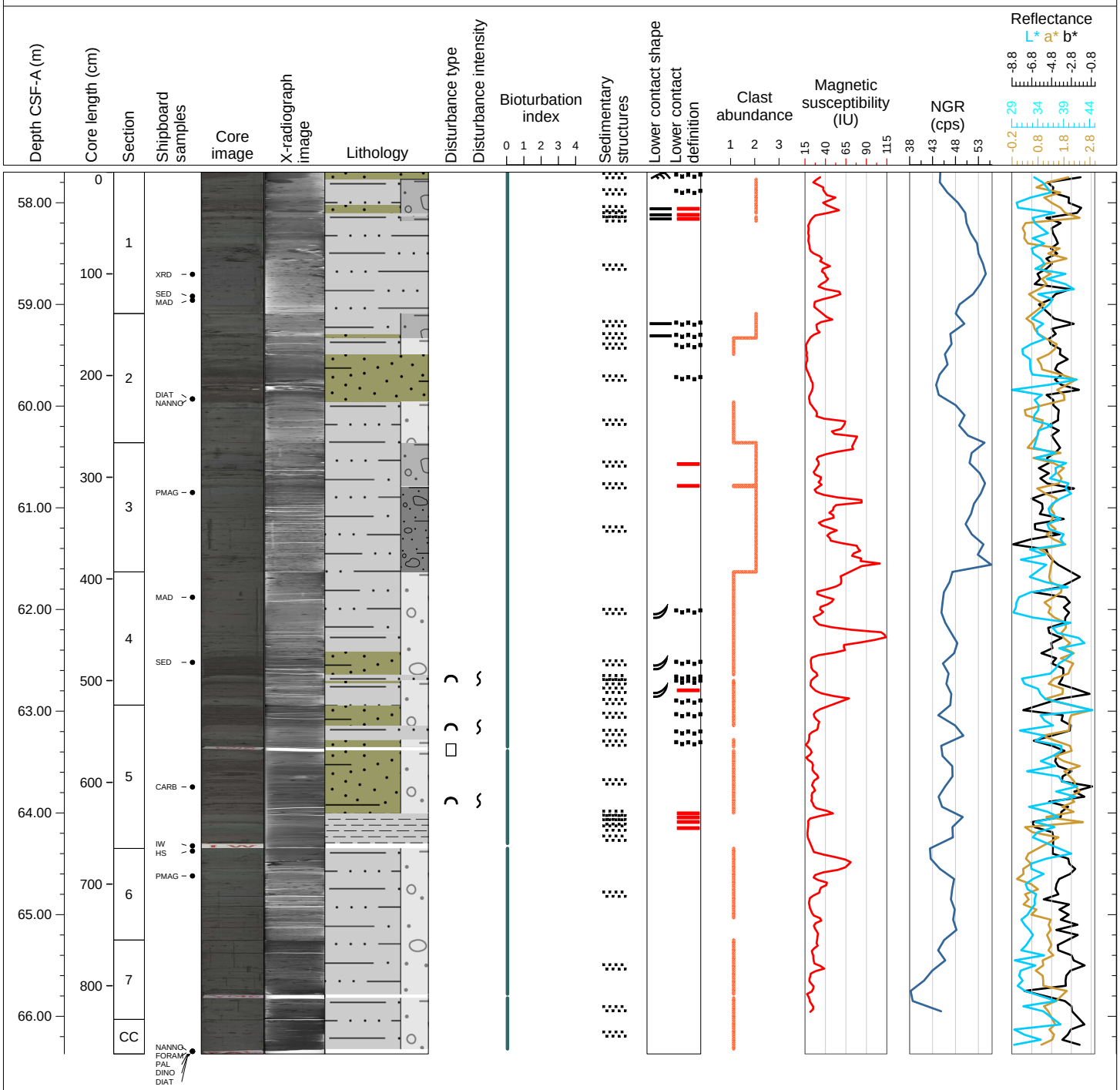
Hole 403-U1620A Core 7H, Interval 48.2-58.86 m (CSF-A)

Alternating intervals of silty clay and sandy mud with dispersed clasts throughout and dark patches at the top of the core (to Section 4) and becoming less abundant downcore. There is a sandy layer at 20cm in Section 2, sandy layers 1-2 cm thick from 83-84 and 86-89cm in Section 4, thin (~2cm) reddish layers throughout section 5, a yellowish layer from 31-37cm in Section 5, patches of brownish coarse spots throughout Section 6, and reddish intervals in Section 8. Sediments are structureless and soft with no apparent bioturbation and slight fractures throughout.



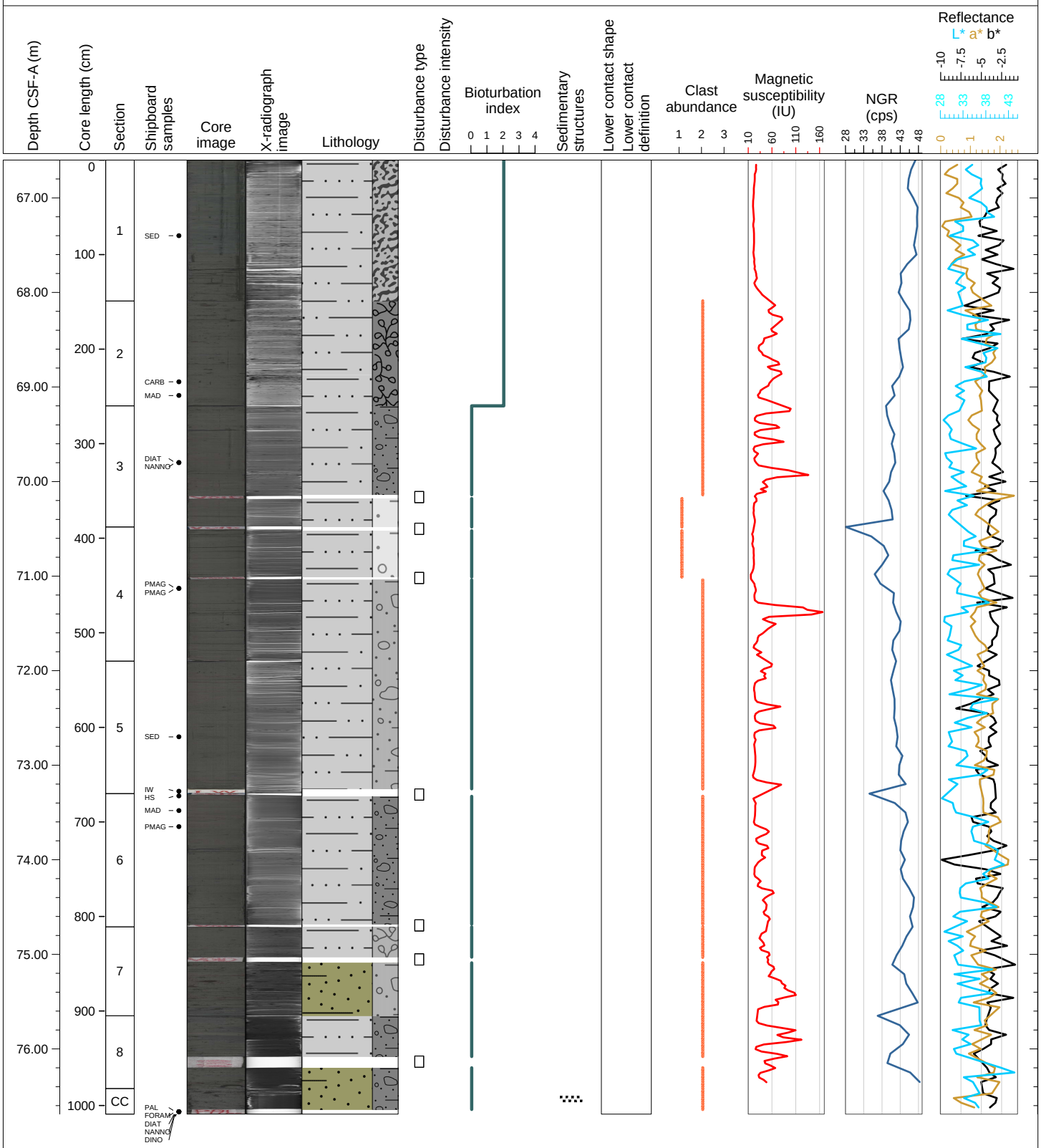
Hole 403-U1620A Core 8H, Interval 57.7-66.37 m (CSF-A)

Alternating intervals of silty clay and sandy mud ranging from dispersed to common clasts and less silt (clay) in Section 5. There is a brown sandy patch at the top of Section 1, a red layer in Section 1, a group of grey 2cm angular clasts from 74-77cm in Section 1, a cluster of subrounded 2-3cm clasts from 71-75cm in Section 3, and reddish layers in Section 5. Sediments are structureless and soft with no apparent bioturbation and slight up-arching in Sections 4 and 5.



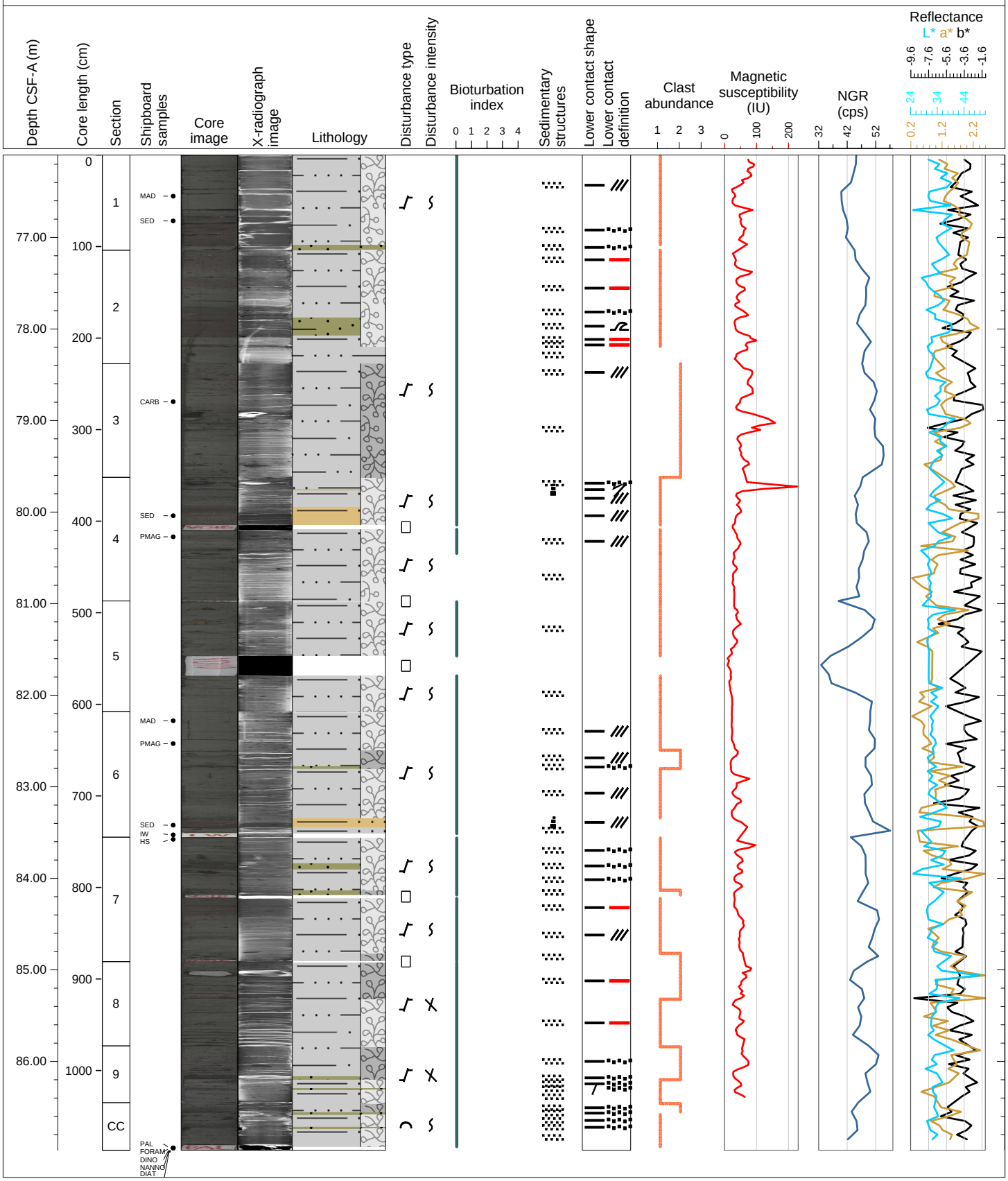
Hole 403-U1620A Core 9H, Interval 66.6-76.69 m (CSF-A)

Primarily silty clay with sandy mud in Section 8 and the core catcher. Clasts range from dispersed to abundant and there are dark patches in Sections 1 and 2. There are clasts (<5 mm) in Section 2, at 5 cm, 27 cm, 42 cm, 72 cm in Section 3, increasing <5mm clasts downsection in Section 4, clasts (<5 mm) in Section 4, clasts (<5 mm) layers at 50 cm, 70 cm in Section 5, clasts (<5 mm) layers at 50 cm, 70 cm in Section 6, clasts (< 8 mm) in Section 8, a yellowish layer at 18-20 cm in Section 8, clasts (< 8 mm) in Section 8, and a large (1.5 cm) clast at 74 cm in Section 8. Sediments are thinly laminated with no apparent bioturbation and induration transitions to firm. Sediments are slightly fractured throughout.



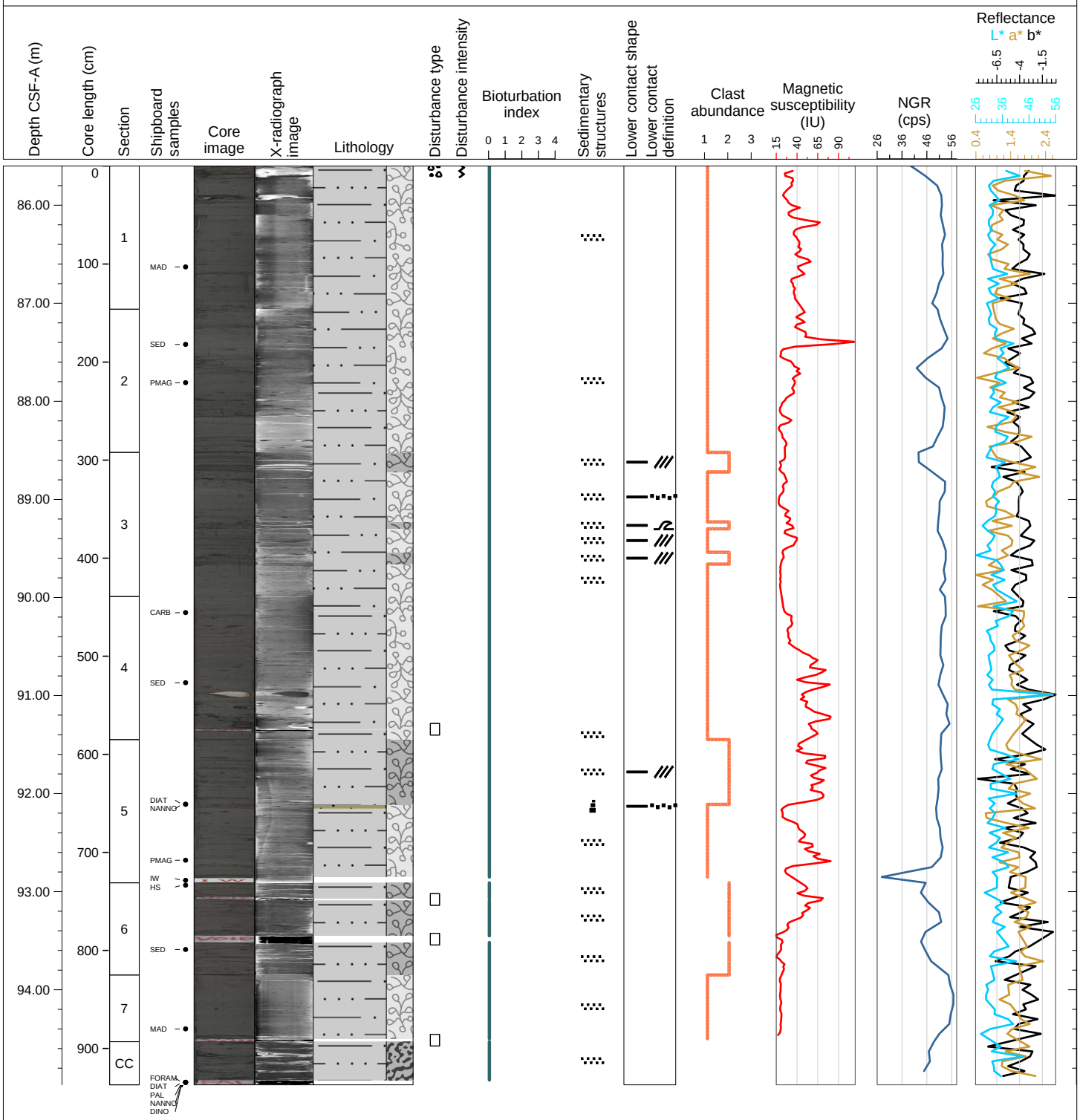
Hole 403-U1620A Core 10H, Interval 76.1-86.97 m (CSF-A)

Intervals of silty clay, sandy mud, sand, and clayey silt alternating throughout. There are dark patches and dispersed to common clasts and thin sand layers throughout. Sediments are structureless and firm with no apparent bioturbation and slightly fractured throughout.



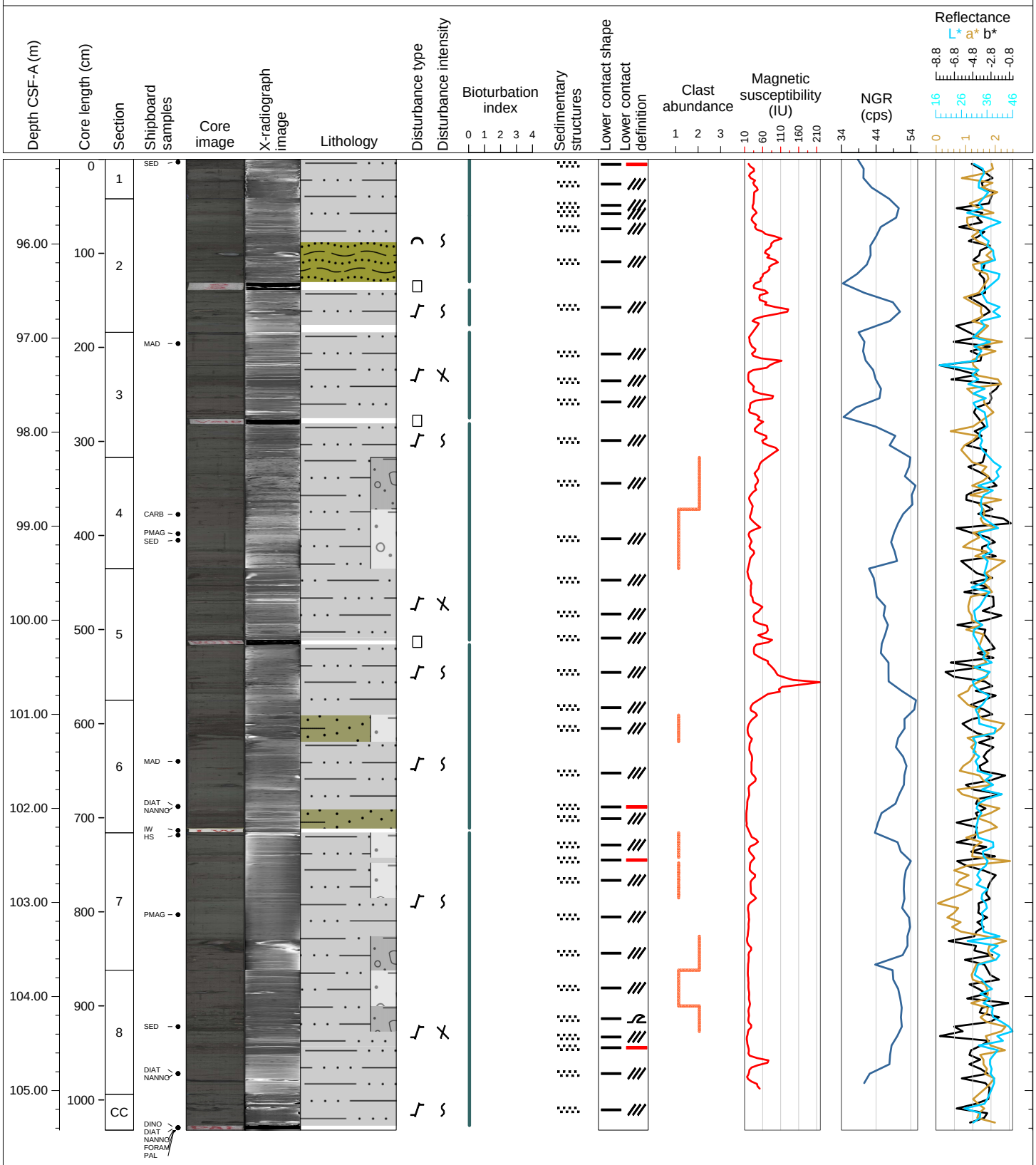
Hole 403-U1620A Core 11H, Interval 85.6-94.97 m (CSF-A)

Primarily silty clay with sandy mud in Section 5. There are dark patches throughout with dispersed to common clasts in all sections other than the core catcher. There is a 4cm-sized subrounded clast at 9-12cm, 2cm sub-rounded & angular clasts at 32-33cm in Section 1, a 2cm sized subrounded clast at 131-133 cm in Section 2, a 5cm sized subangular clast at 97-102, 2cm size at 112-114 cm, and 3-4 rounded clasts at 128-130cm in Section 4. Sediments are structureless and firm with no apparent bioturbation. There is no disturbance other than mixed sediments in the top 10cm of Section 1.



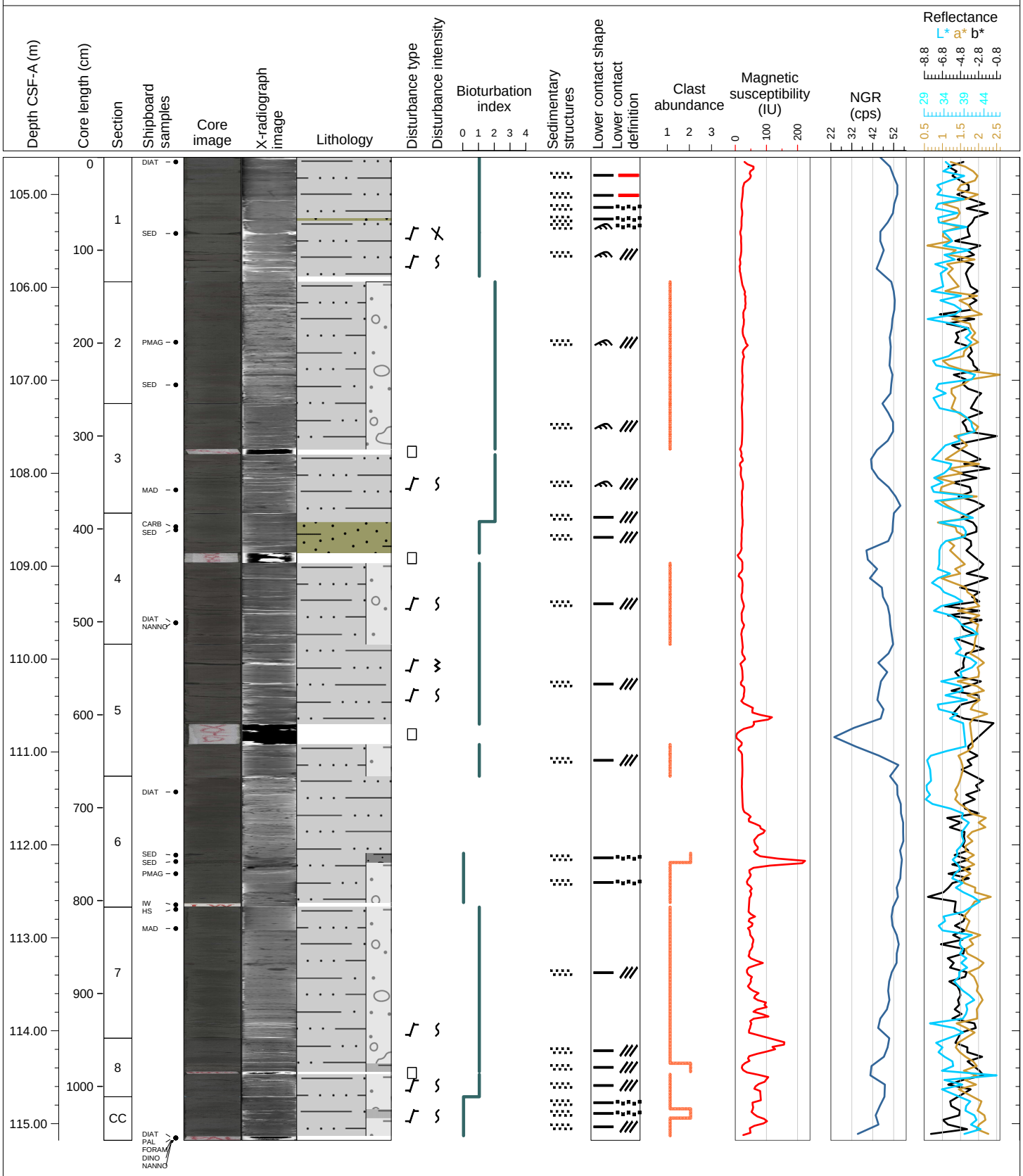
Hole 403-U1620A Core 12H, Interval 95.1-105.42 m (CSF-A)

Primarily silty clay with few intervals of sandy mud mid-core and dispersed to common clasts in sporadic intervals. There is ~40cm of thin sandy clay layers in Section 2. There is a 4cm clast from 112-118 cm in Section 7. Sediments are structureless and firm with no apparent bioturbation and slight to moderate fracturing throughout.



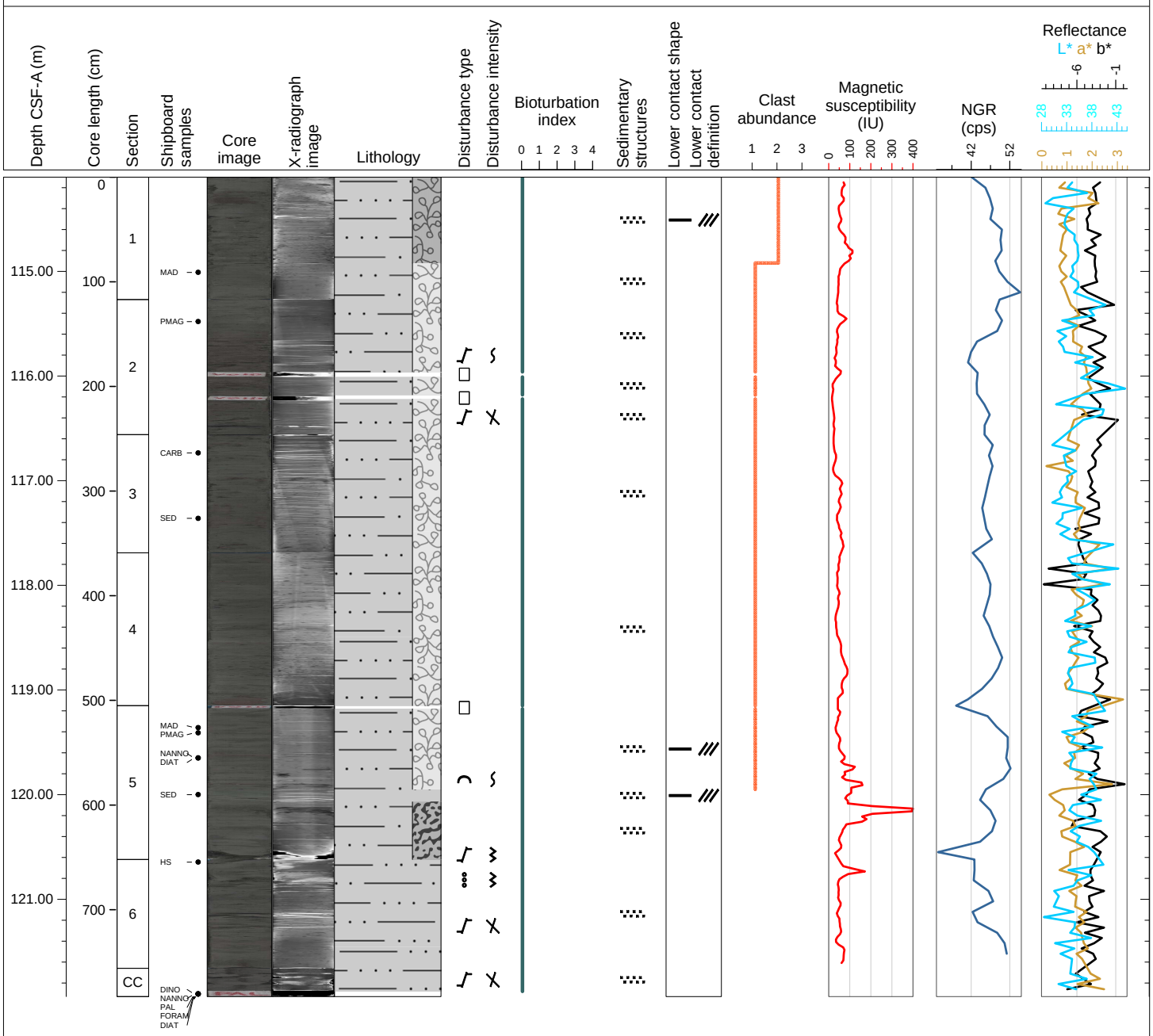
Hole 403-U1620A Core 13H, Interval 104.6-115.18 m (CSF-A)

Primarily silty clay with few sandy mud intervals and dispersed to common clasts throughout. There are small layers (~1-1.5 cm) containing coarser grains located at 15-16.5, 41-42, 60-61, 99-100.5, and 111-112 cm in Section 2, 171-72, 101-102 cm in Section 4, and very small (mm scale) authigenic iron oxides (?) visible on the surface of Sections 4, 5, 6, and 7. Sediments are structureless and firm with absent to moderate bioturbation and slight fracturing throughout.



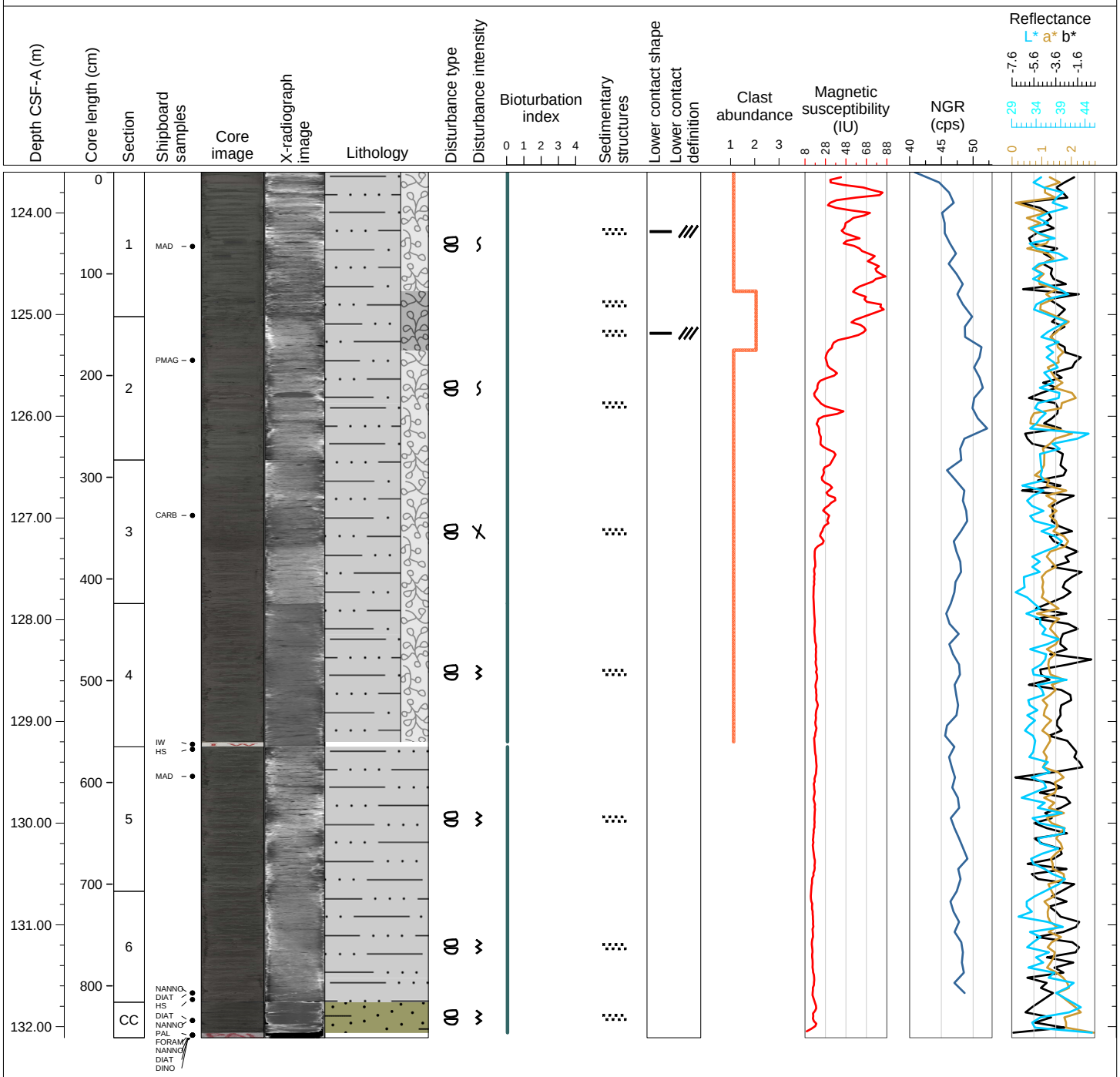
Hole 403-U1620A Core 14H, Interval 114.1-121.93 m (CSF-A)

Silty clay with dark patches and dispersed clasts throughout. There are 2 cm sized sub-rounded clasts at 103-104cm and 106-107cm in Section 3-4, 6-7 cm sized sub-rounded clasts at 136-143cm in Section 4, and a light green interval in Section 5. Sediments are structureless and firm with no apparent bioturbation and moderate to strong fracturing throughout.



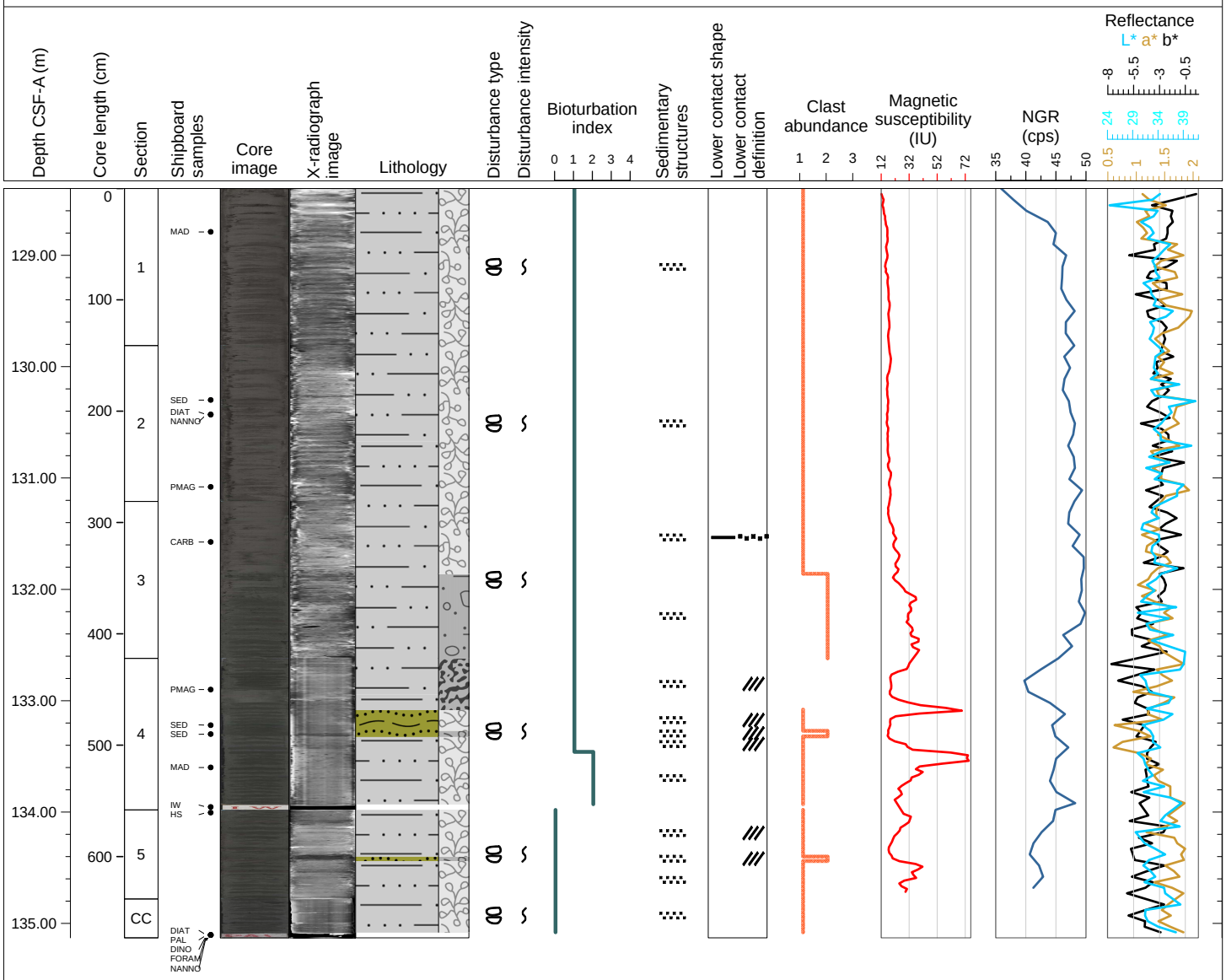
Hole 403-U1620A Core 15X, Interval 123.6-132.11 m (CSF-A)

Primarily silty clay with sandy mud in the core catcher. There are subangular clasts at 68 and 81cm in Section 1, in Section2, and many 1-2cm sized angular clasts from 46 to 85cm in Section 3. Sediments are structureless and firm with no apparent bioturbation and slight to moderate biscuiting throughout due to XCB drilling



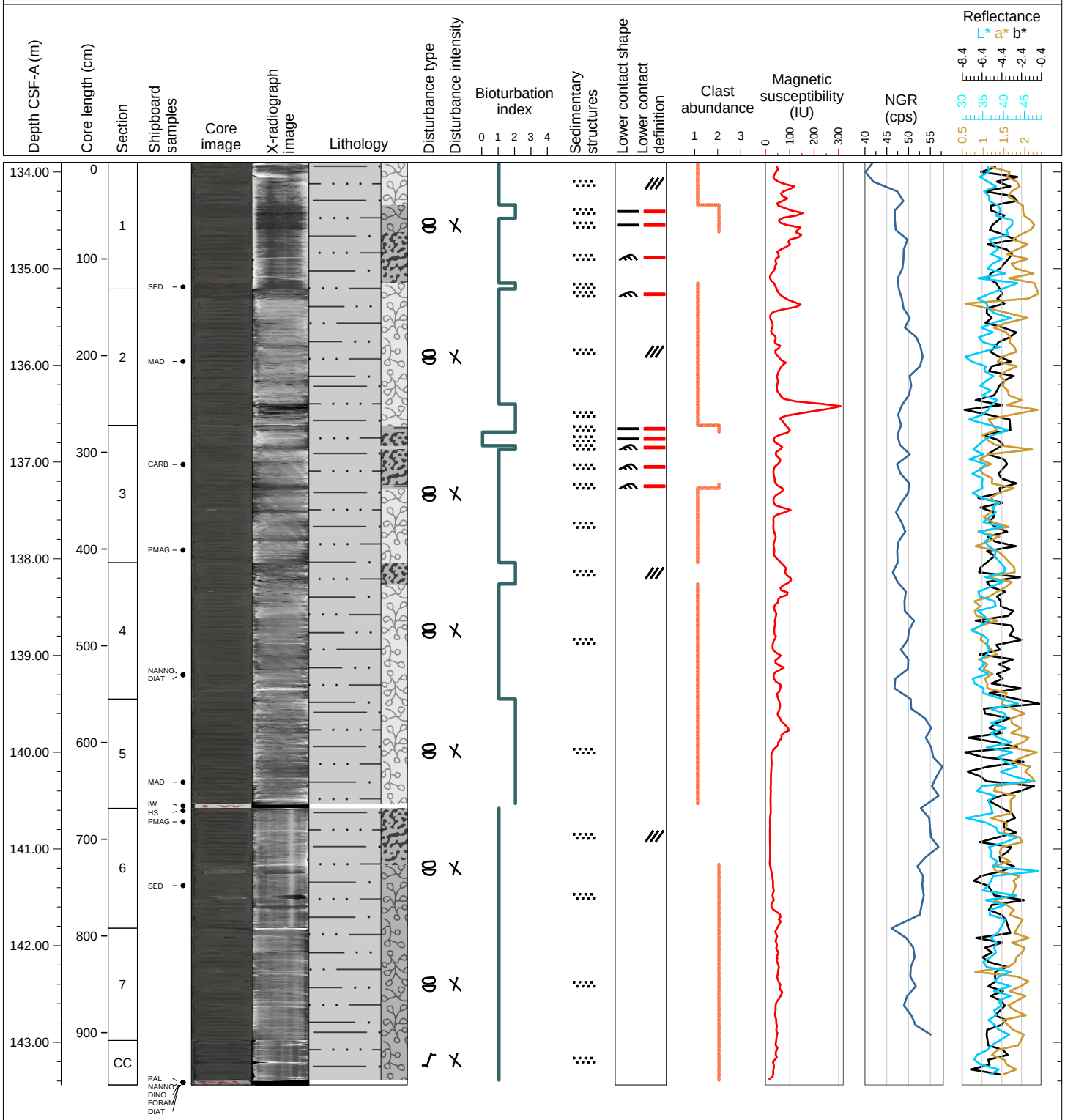
Hole 403-U1620A Core 16X, Interval 128.4-135.13 m (CSF-A)

Firm structureless silty clay to sandy clay with dark patches, some intervals with dispersed to common clasts. Color is consistently dark grey . Little to no bioturbation. Moderate biscuiting due to drilling occurs throughout all sections



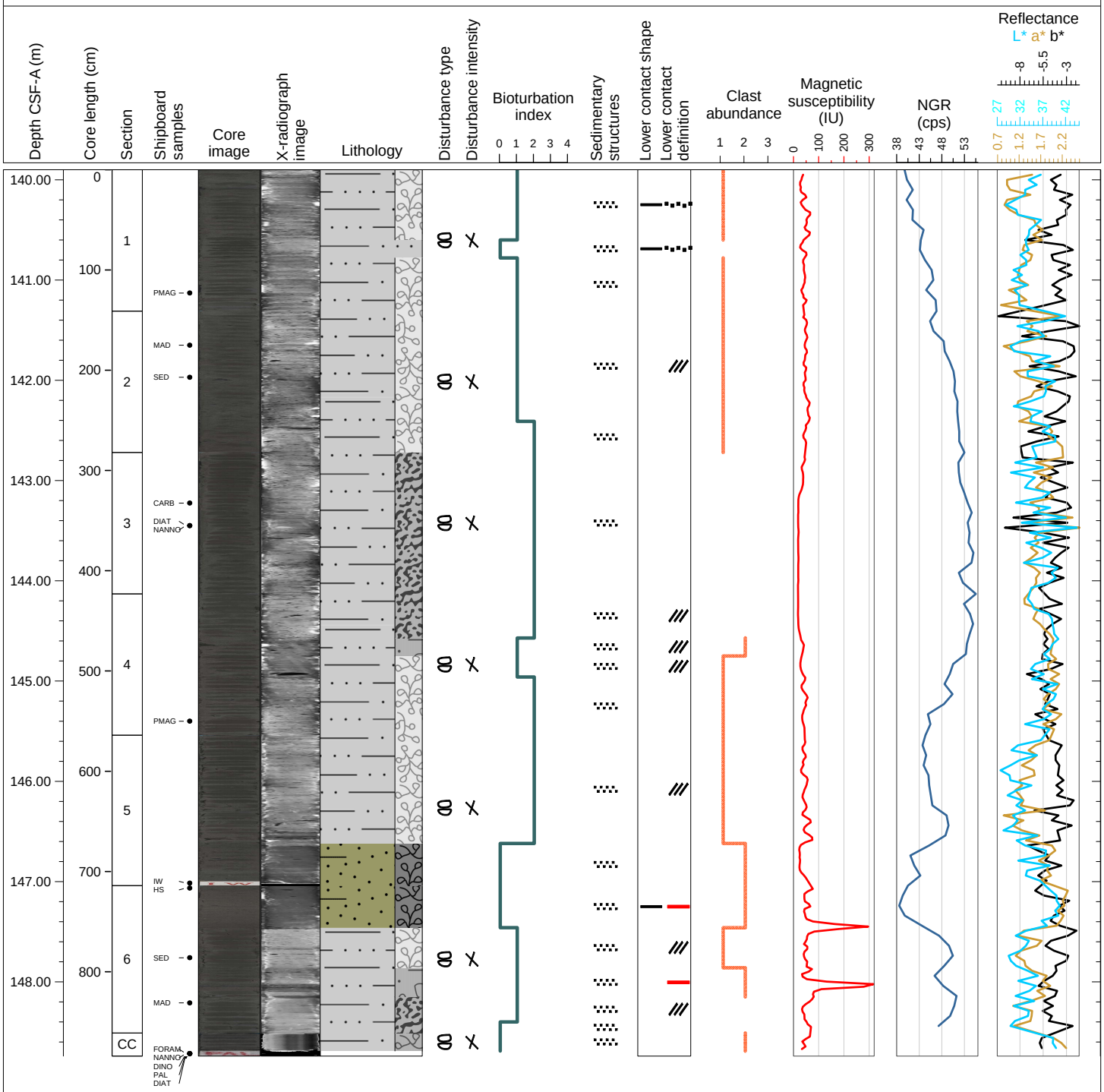
Hole 403-U1620A Core 17X, Interval 133.9-143.44 m (CSF-A)

Firm structureless silty clay to clay with dark patches, some intervals with dispersed to common clasts. Color is consistently dark grey within some reddish layers. Moderate bioturbation. Moderate biscuiting due to drilling occurs throughout all sections



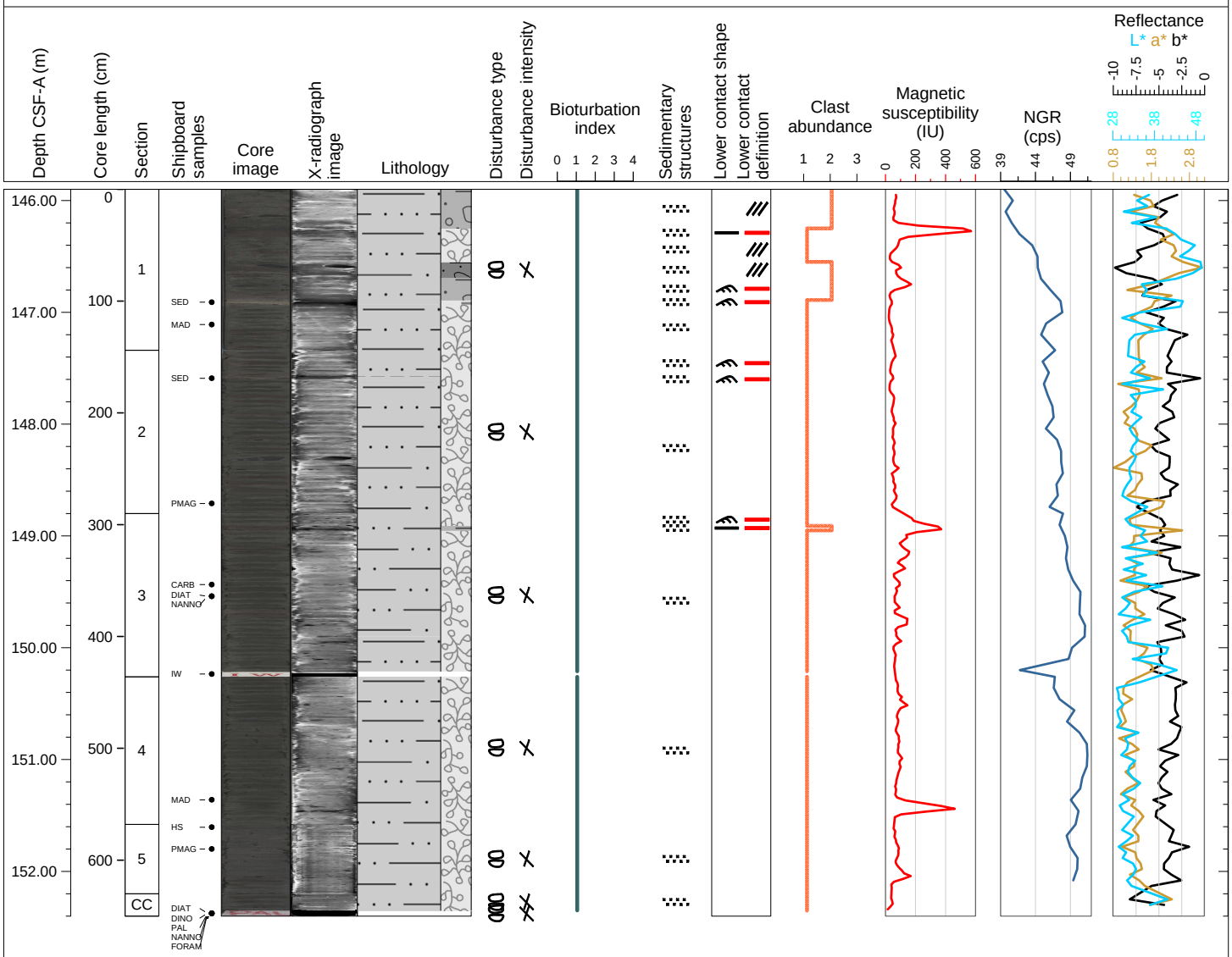
Hole 403-U1620A Core 18X, Interval 139.9-148.74 m (CSF-A)

Firm structureless silty clay to sandy mud with dark patches, some intervals with dispersed to abundant clasts. Color is consistently dark grey. Moderate bioturbation. Moderate biscuiting due to drilling occurs throughout all sections



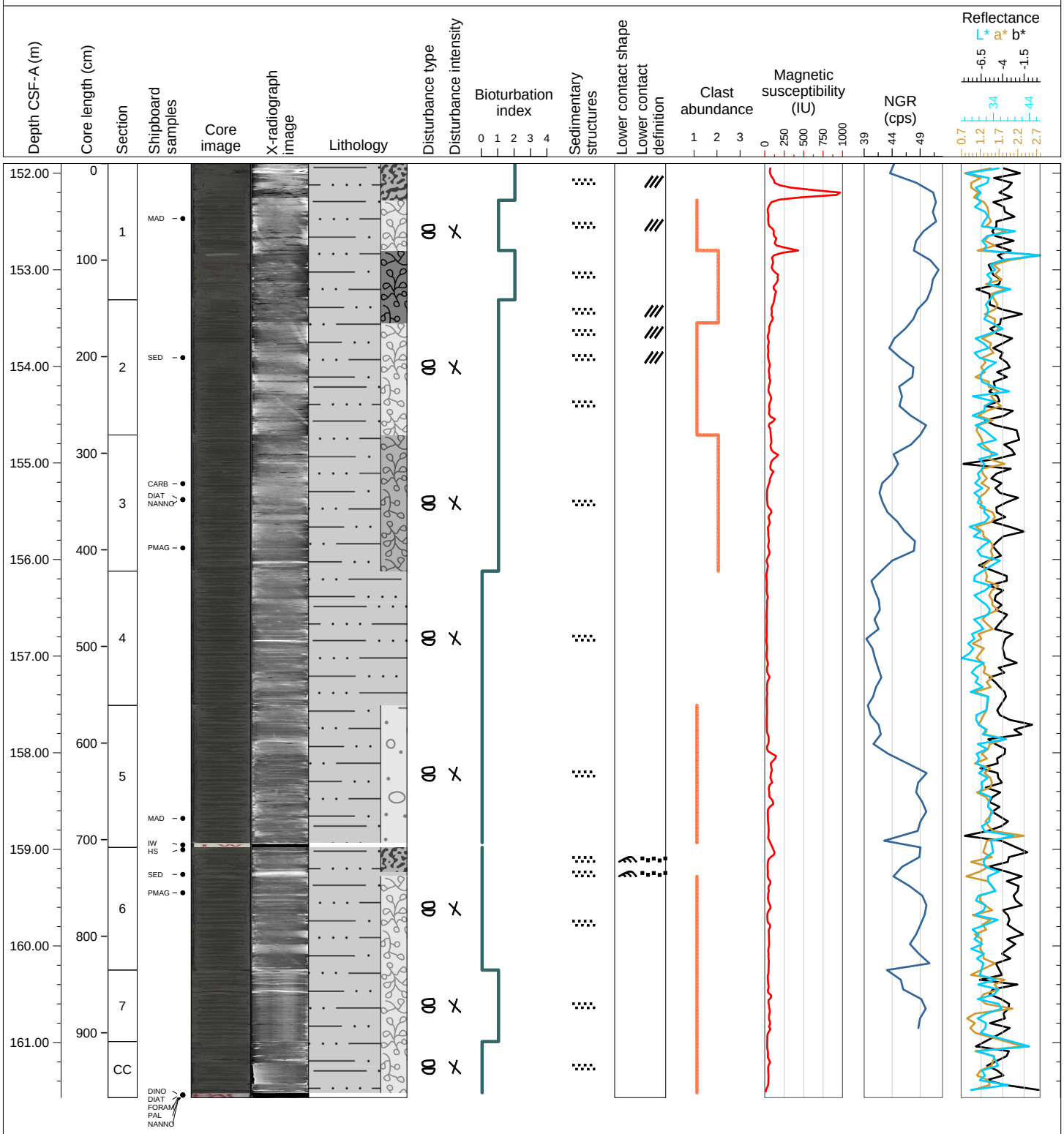
Hole 403-U1620A Core 19X, Interval 145.9-152.4 m (CSF-A)

Firm structureless silty clay to clay with dark patches and some intervals with dispersed to common clasts. Color is consistently dark greywith two thin layers of yellowish clay. Slight bioturbation. Moderate biscuiting due to drilling occurs throughout all sections



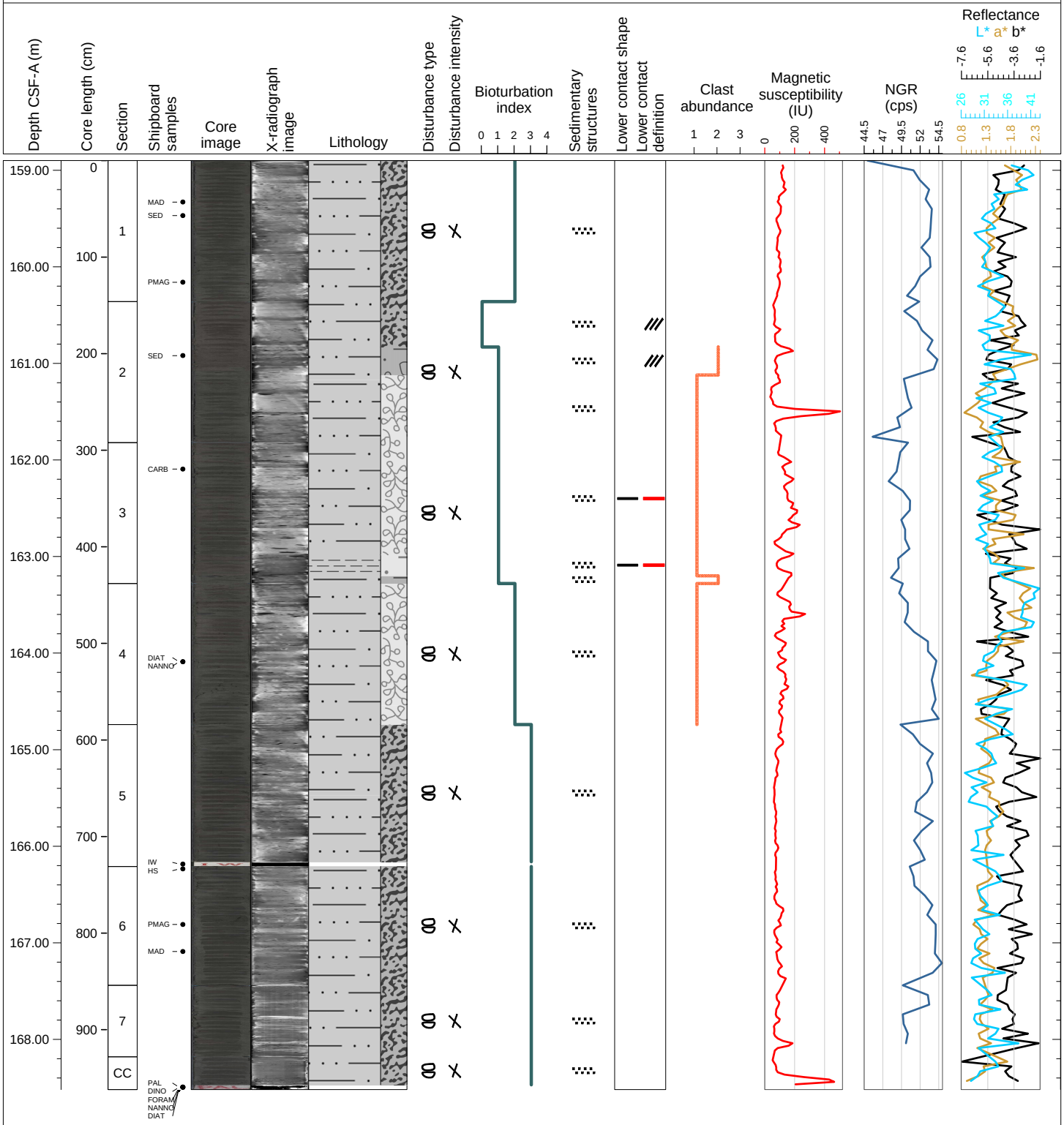
Hole 403-U1620A Core 20X, Interval 151.9-161.57 m (CSF-A)

Firm structureless silty clay with dark patches, some intervals with dispersed to abundant clasts. Color is consistently dark grey. Moderate to slight bioturbation. Moderate biscuiting due to drilling occurs throughout all sections



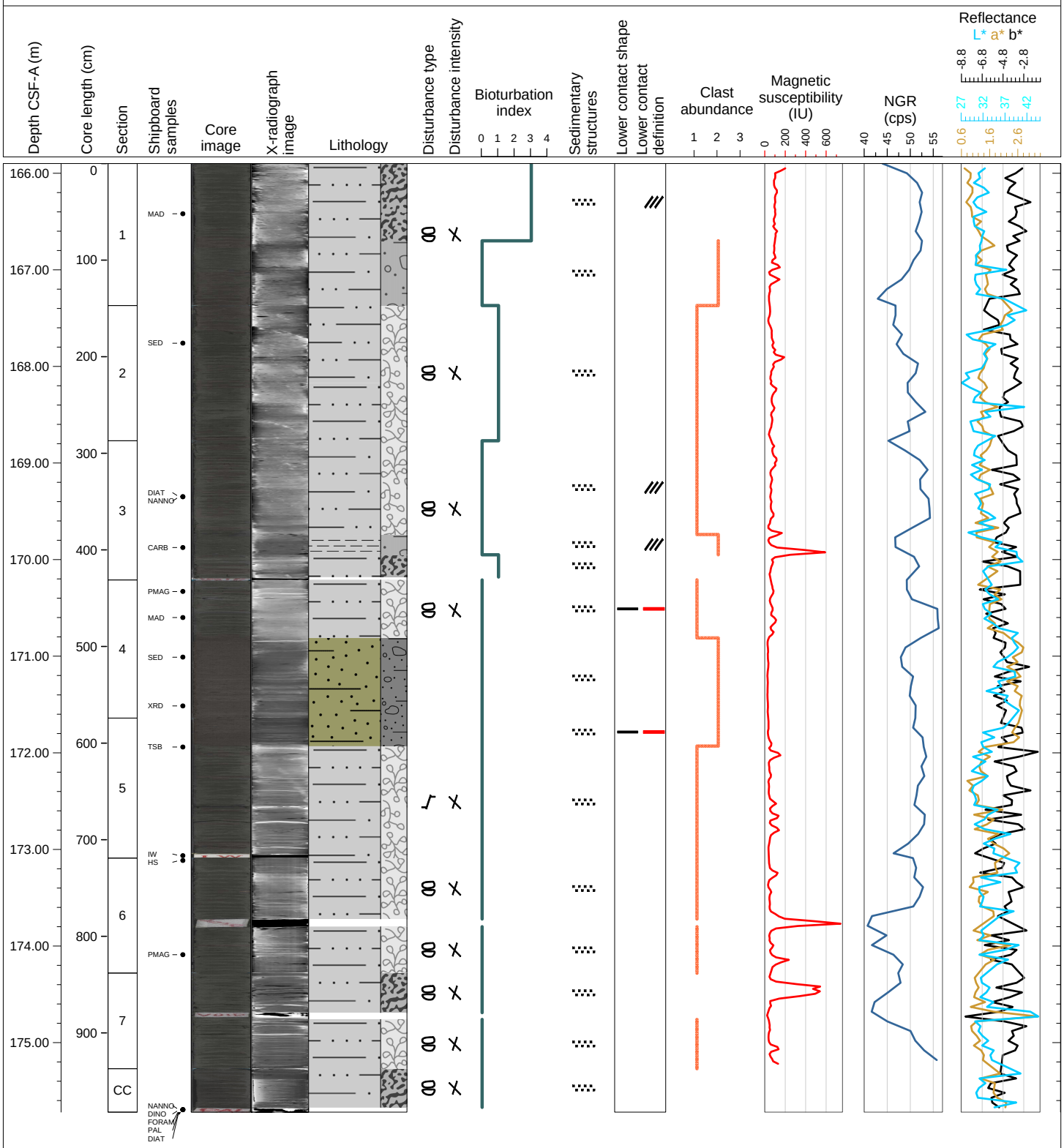
Hole 403-U1620A Core 21X, Interval 158.9-168.52 m (CSF-A)

Firm structureless silty clay with dark patches, some intervals with dispersed to abundant clasts. Color is consistently dark grey. Moderate to heavy bioturbation. Moderate biscuiting due to drilling occurs throughout all sections



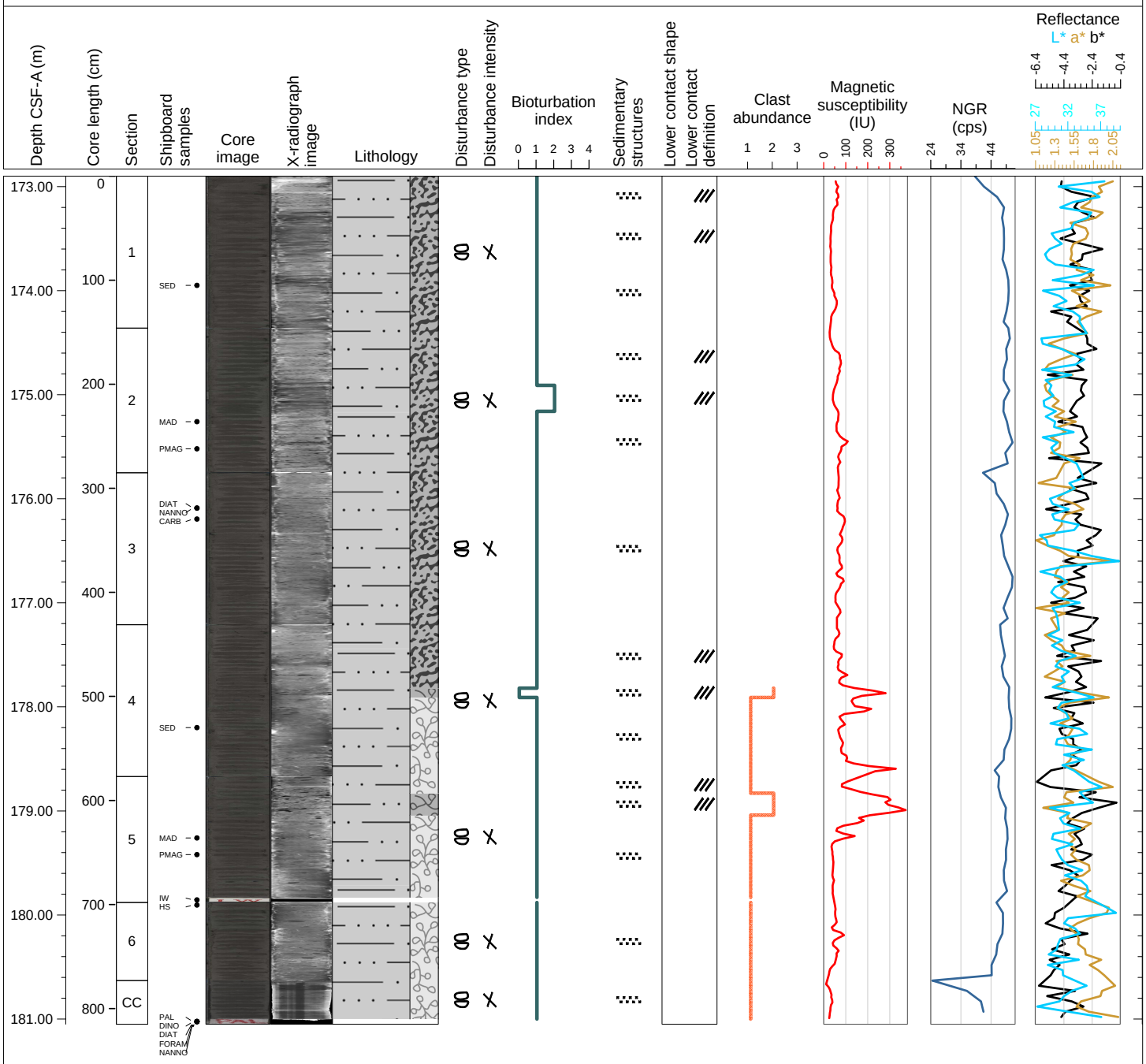
Hole 403-U1620A Core 22X, Interval 165.9-175.72 m (CSF-A)

Firm structureless silty clay with dark patches, some intervals with dispersed to abundant clasts. Color is mostly dark grey, with one large interval (~75 cm) of reddish sandy mud. Slight to heavy bioturbation. Moderate biscuiting and fracturing due to drilling occurs throughout all sections



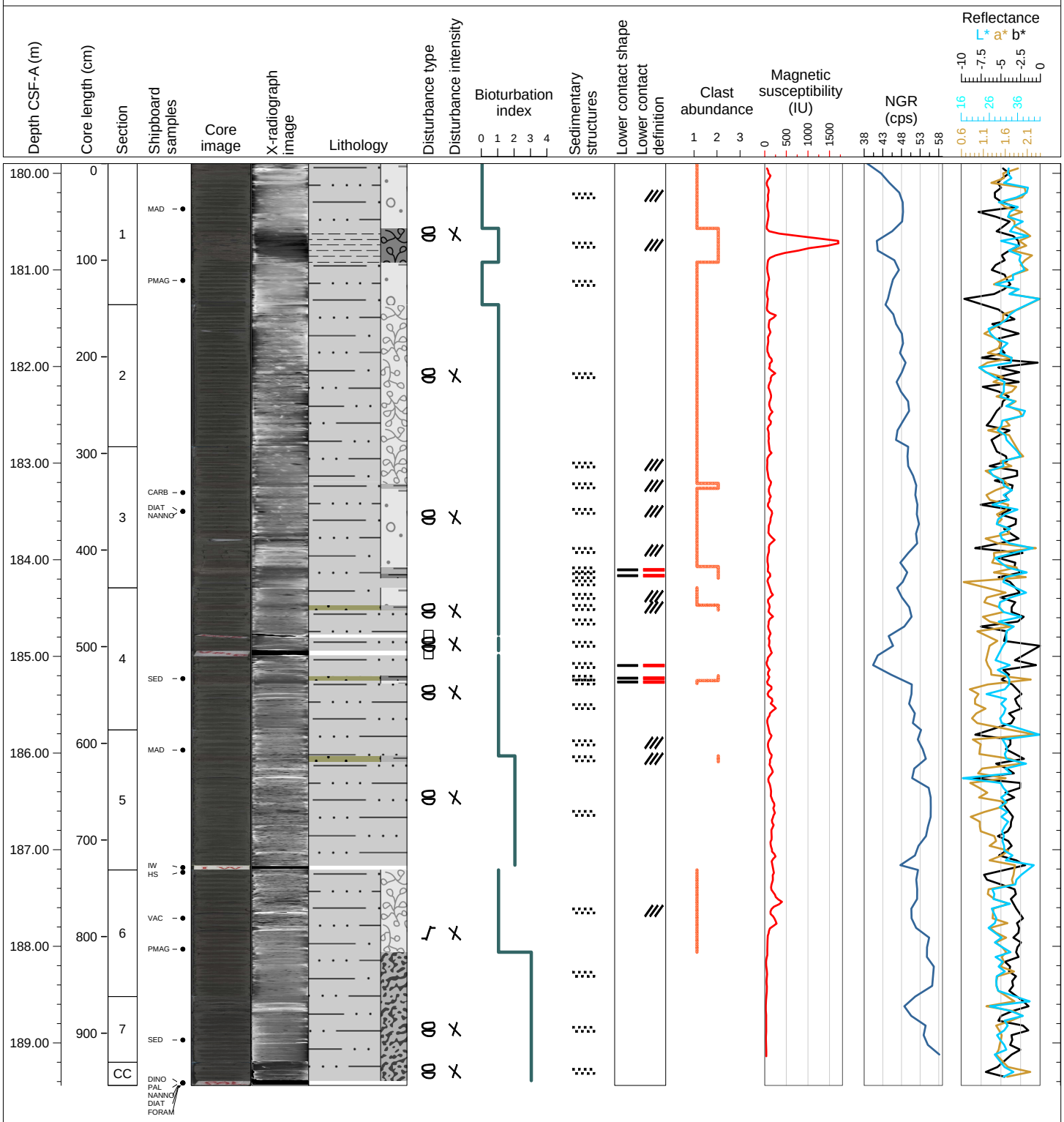
Hole 403-U1620A Core 23X, Interval 172.9-181.05 m (CSF-A)

Firm structureless silty clay with dark patches, some intervals with dispersed to common clasts. Color is mostly dark grey with slight bioturbation. Moderate biscuiting and fracturing due to drilling occurs throughout all sections



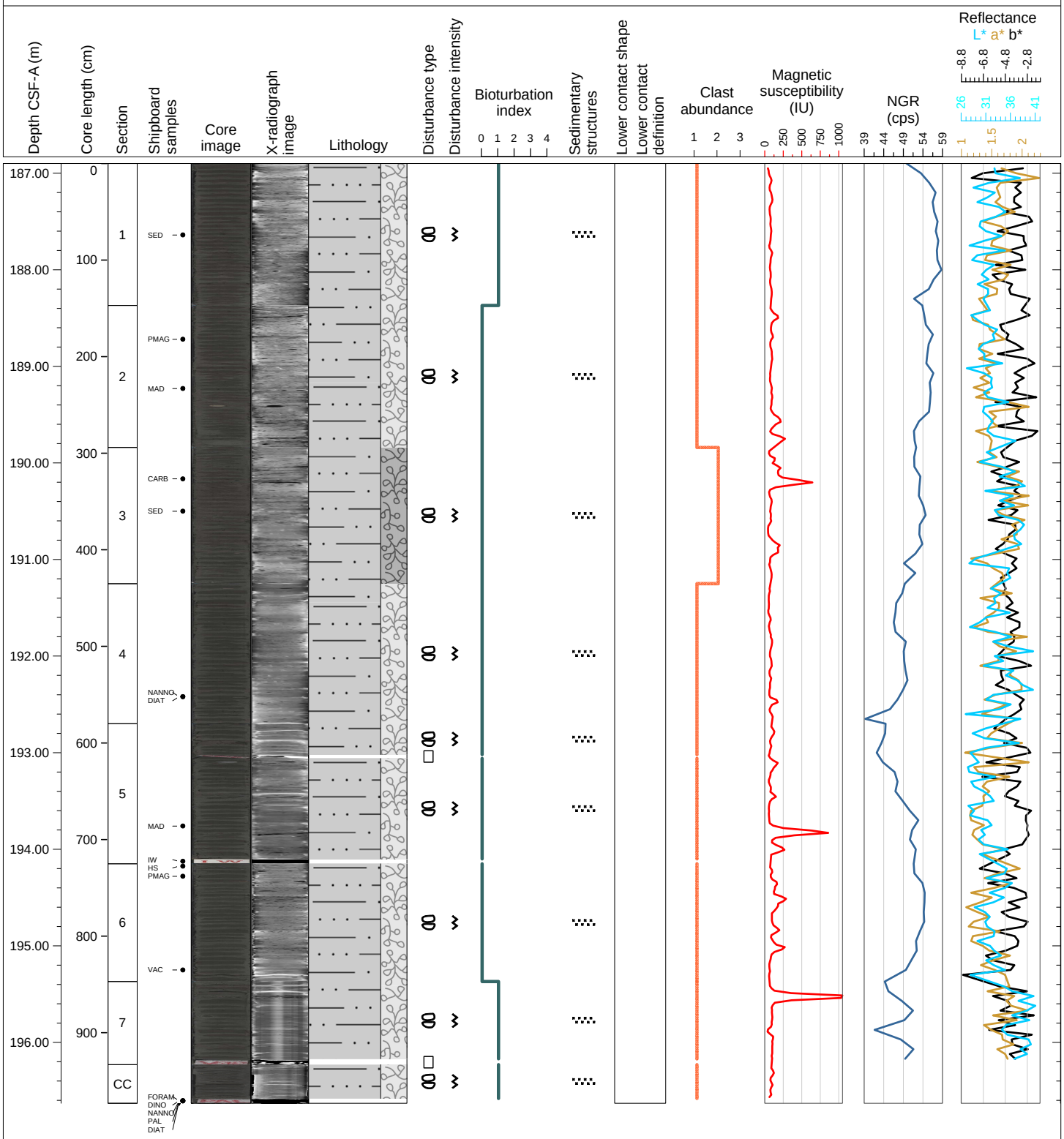
Hole 403-U1620A Core 24X, Interval 179.9-189.44 m (CSF-A)

Firm structureless silty clay with dark patches, some intervals with dispersed to abundant clasts. Color is mostly dark grey with small intervals of reddish sandy mud. Slight to heavy bioturbation. Moderate biscuiting and fracturing due to drilling occurs throughout all sections



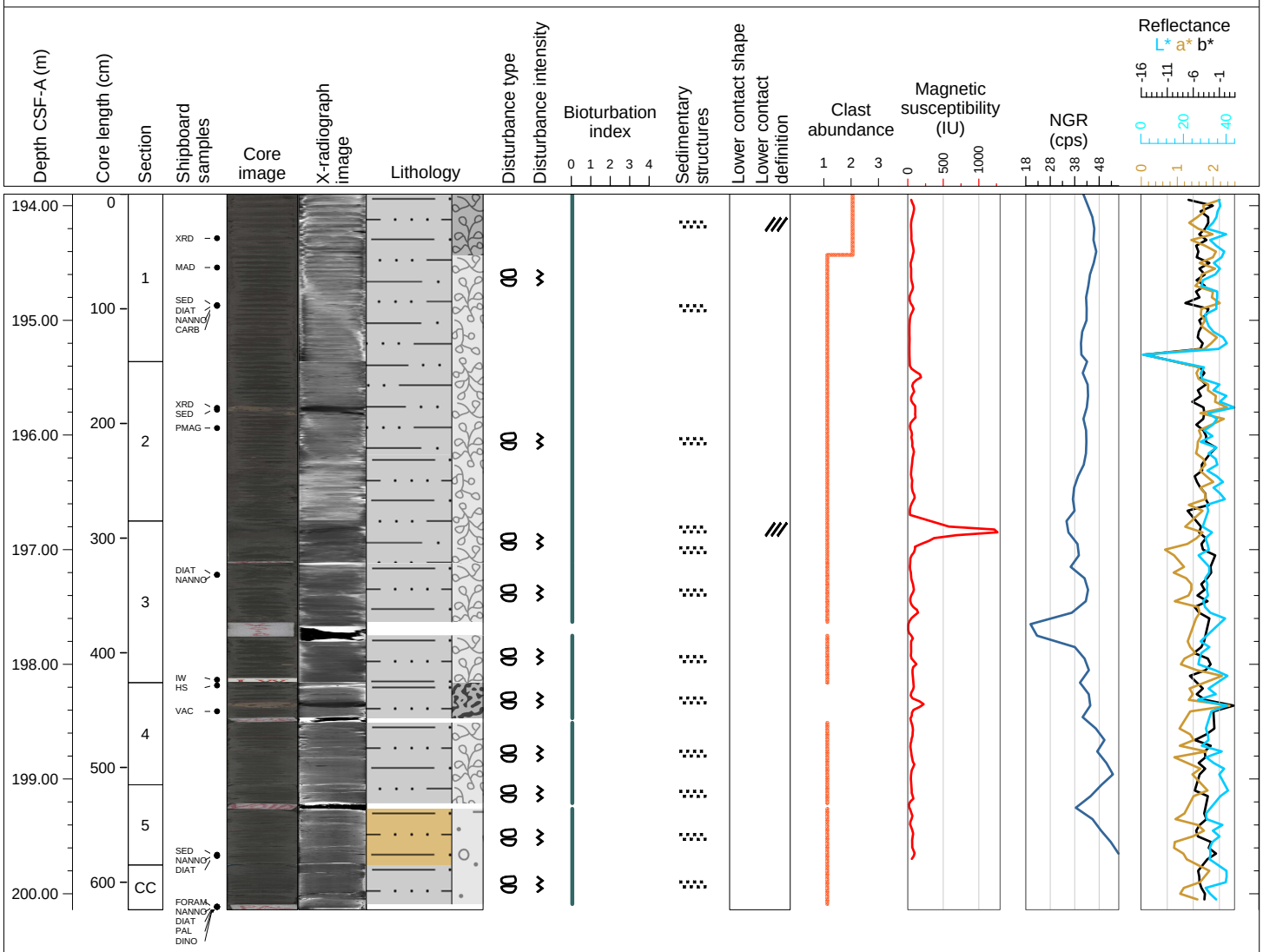
Hole 403-U1620A Core 25X, Interval 186.9-196.63 m (CSF-A)

Silty clay with dark patches and dispersed clasts throughout. There is a rounded clast at 102-104cm in Section 2 and sub-rounded 2-4 cm sized clasts at 102-104 and 75-77cm in Section 5. Sediments are structureless and firm with absent to slight bioturbation and there is strong biscuiting throughout.



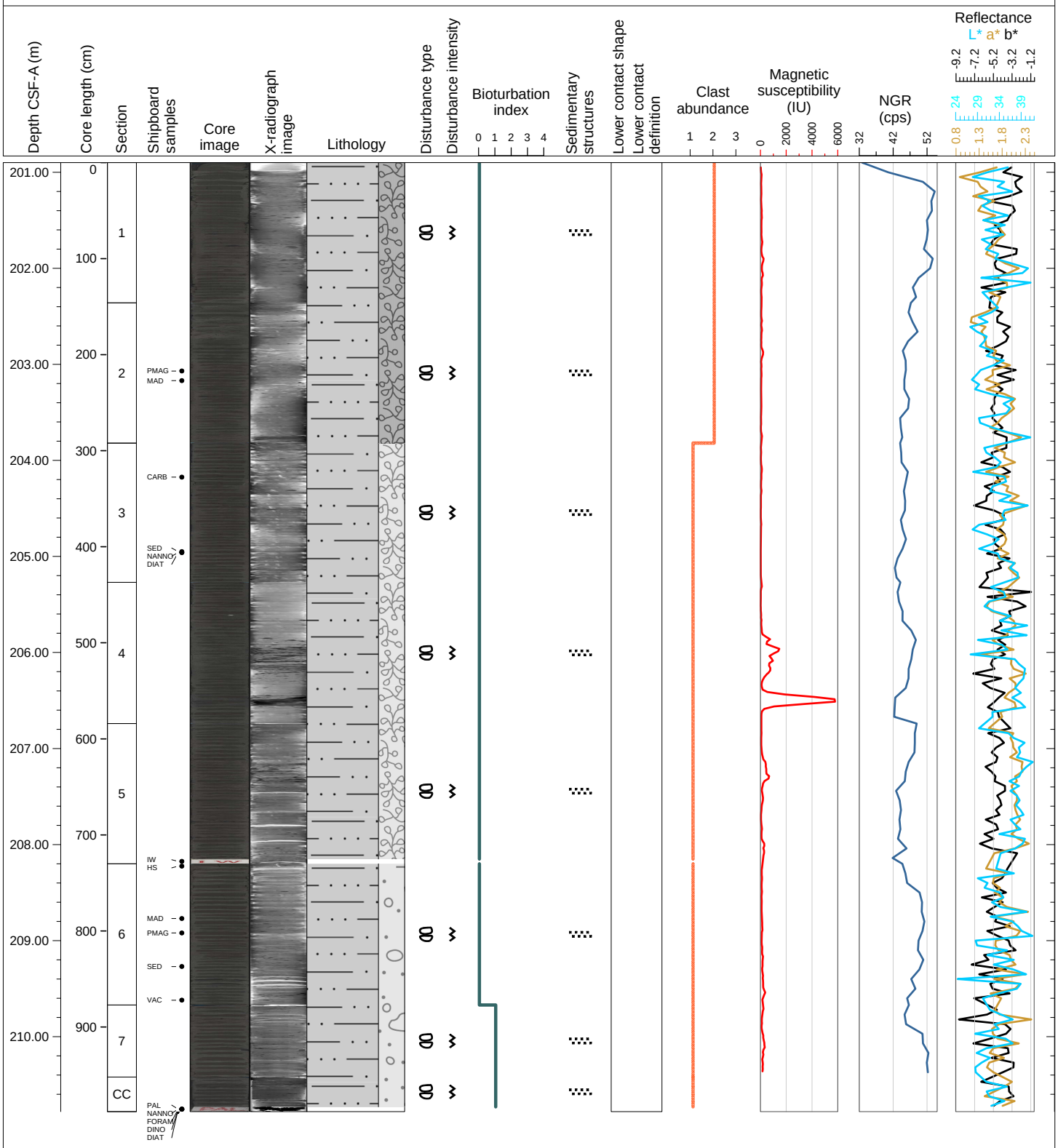
Hole 403-U1620A Core 26X, Interval 193.9-200.14 m (CSF-A)

Silty clay with dark patches in the upper 4 Sections and dispersed to common clasts throughout. There is a 3-4cm sized authigenic carbonate clast at 39-44cm in Section 2, a 2cm sized authigenic carbonate clast at 124cm in Section 3, and a 4-6cm sized authigenic carbonate clast at 18-22cm in Section 4. Sediments are structureless and firm with no apparent bioturbation, strong biscuiting throughout, and possible mixed sediment in Section 3.



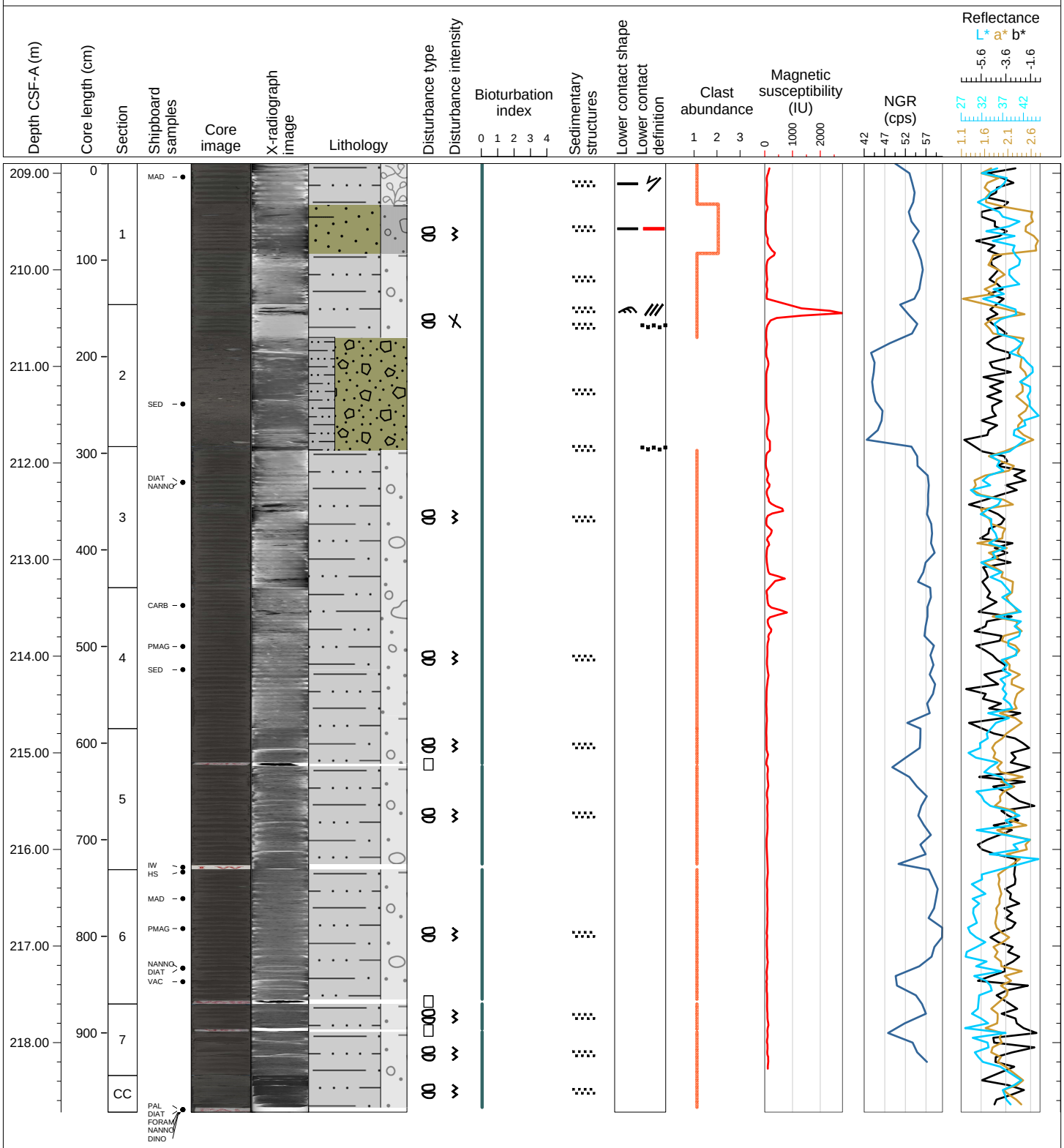
Hole 403-U1620A Core 27X, Interval 200.9-210.78 m (CSF-A)

Silty clay with dark patches and dispersed to common clasts throughout. There is a 1-2cm sized sub-rounded clast at 86cm & 11cm in Section 1, a 1cm sized angular clast at 34cm and authigenic iron sulfide grains in Section 4, and faint laminations in Sections 7 and the core catcher. Sediments are structureless and firm with absent to slight bioturbation and strong biscuiting.



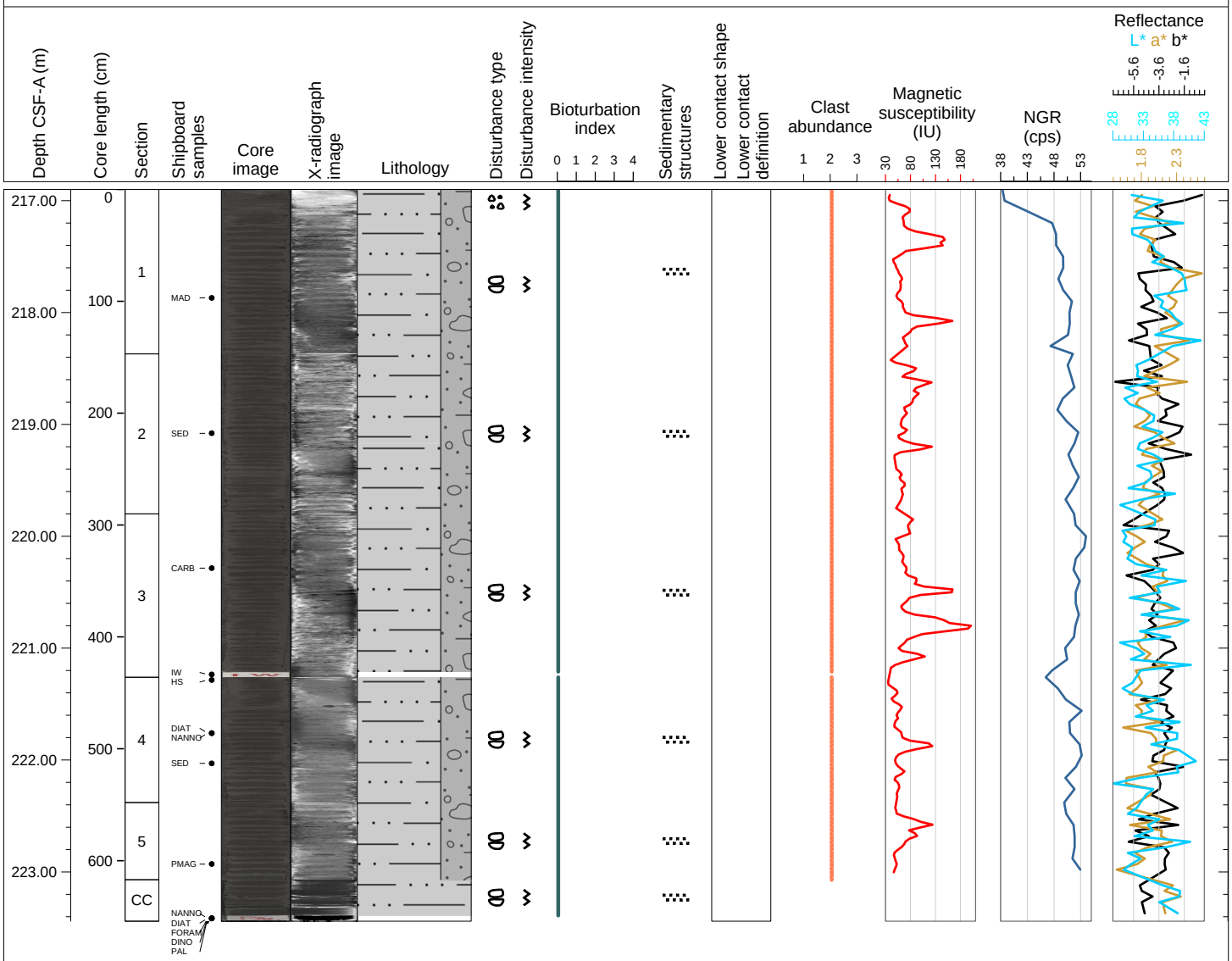
Hole 403-U1620A Core 28X, Interval 208.9-218.72 m (CSF-A)

Primarily silty with with a ~50cm interval of sandy mud in Section 1 and muddy diamiction in Sections 2 and the top of 3. There is a 2-3cm sized sub-rounded clast at 52-55cm in Section 1 and a 3cm sized sub-rounded clast at 52-55cm in Section 3. Sediments are structureless and firm with no apparent bioturbation and strong biscuiting throughout.



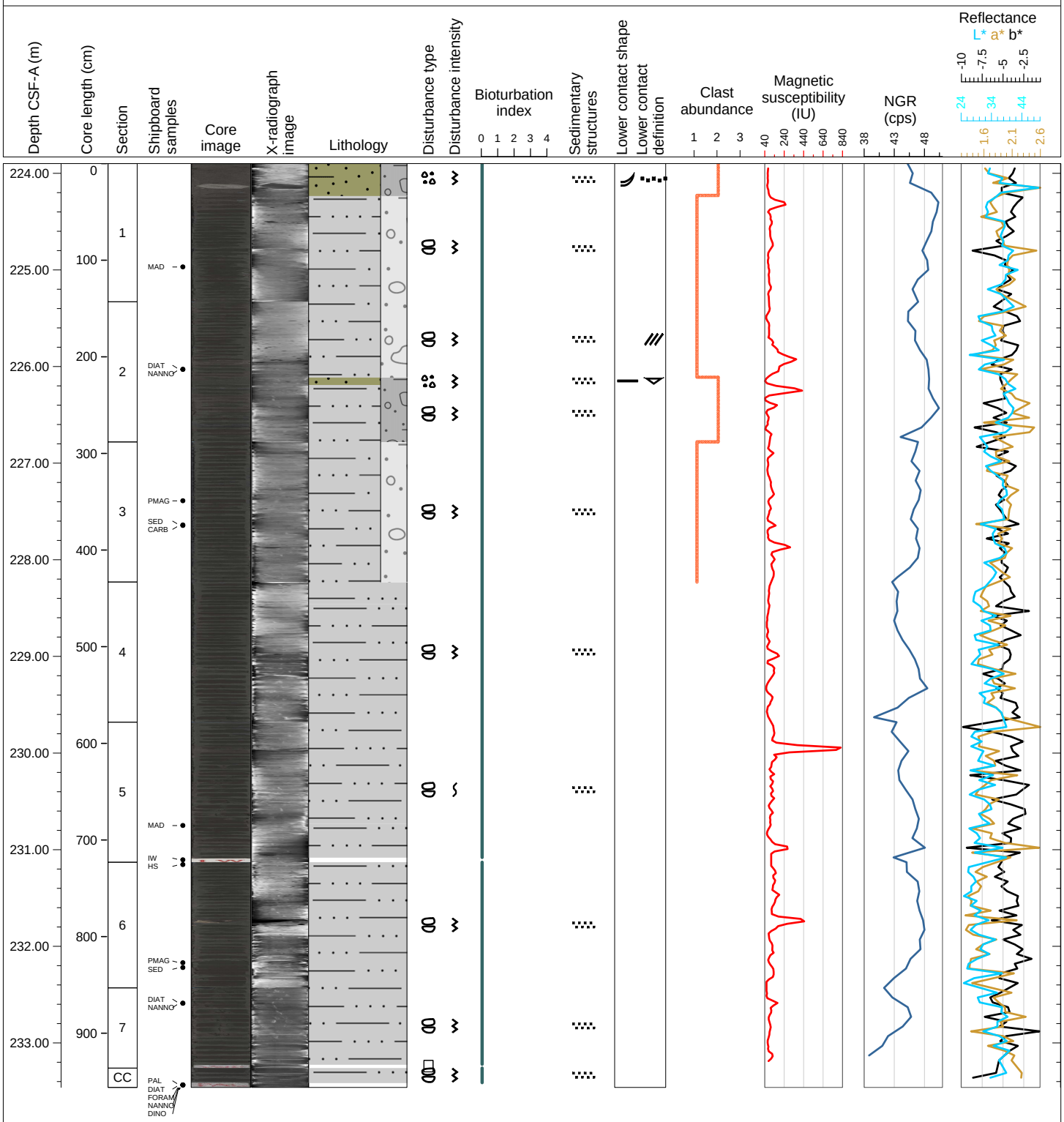
Hole 403-U1620A Core 29X, Interval 216.9-223.44 m (CSF-A)

Silty clay with common clasts throughout. Sediments are structureless and firm with no apparent bioturbation and strong biscuiting.

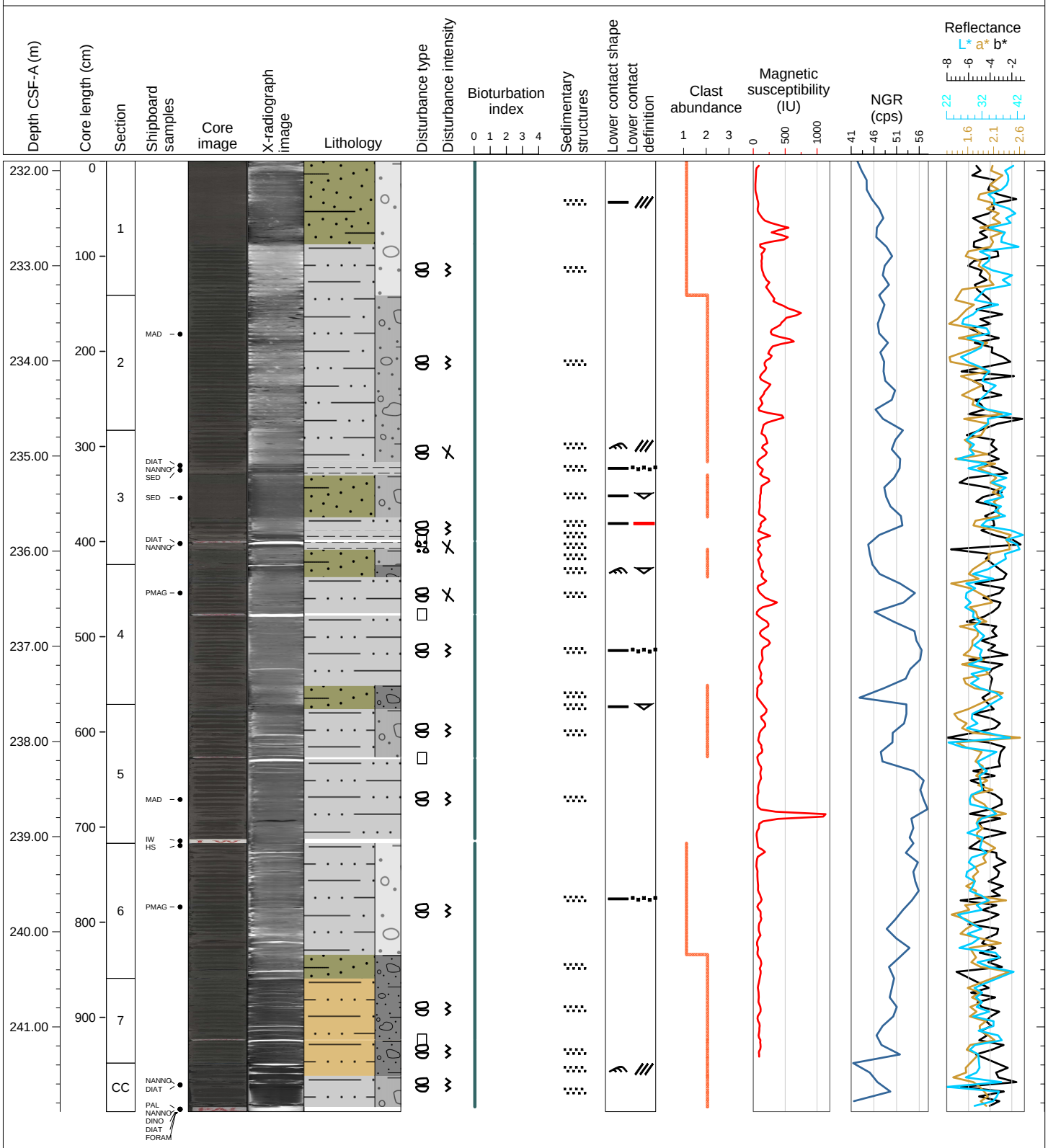


Hole 403-U1620A Core 30X, Interval 223.9-233.46 m (CSF-A)

Primarily silty clay with smaller intervals of sandy mud in Sections 1 and 2. Dispersed to common clasts in Sections 1-3 and a 5cm sized sub-angular clast at 22-27cm in Section 1 anda 1-2cm sized sub-angular clast, surrounded by authigenic carbonate at 60-63cm in Section 6. Sediments are structureless and firm with no apparent bioturbation and strong biscuiting throughout.

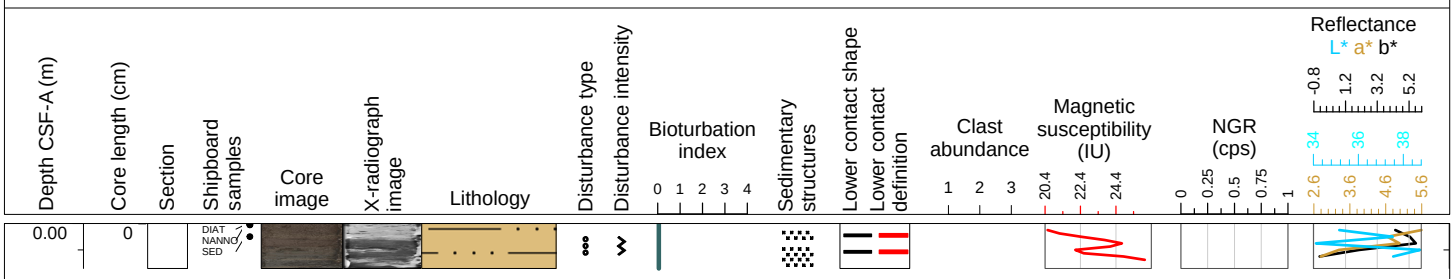


Hole 403-U1620A Core 31X, Interval 231.9-241.89 m (CSF-A)



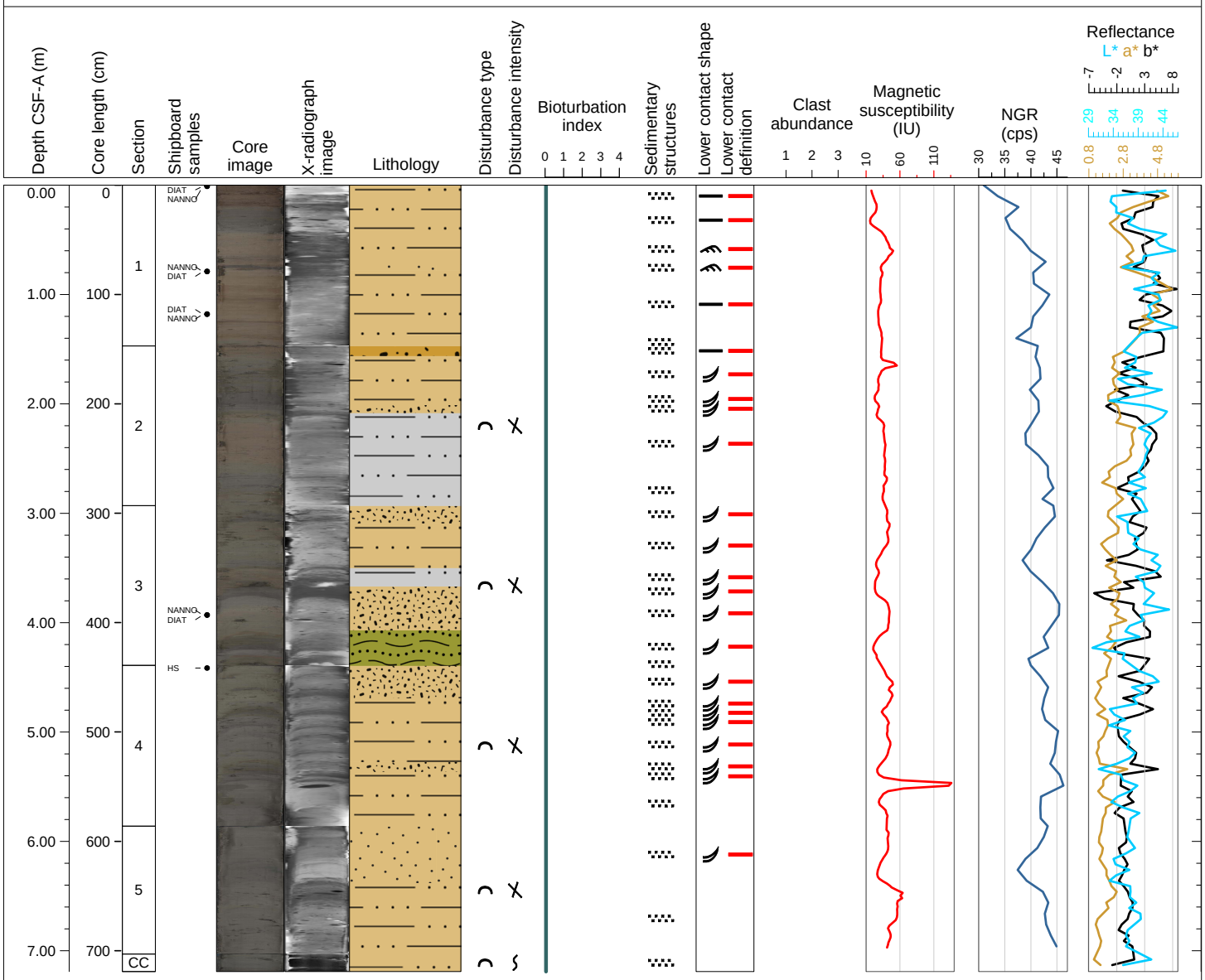
Hole 403-U1620B Core 1H, Interval 0.0-0.34 m (CSF-A)

Soupy dark grey clayey and sandy silt. Core was completely disturbed during coring.



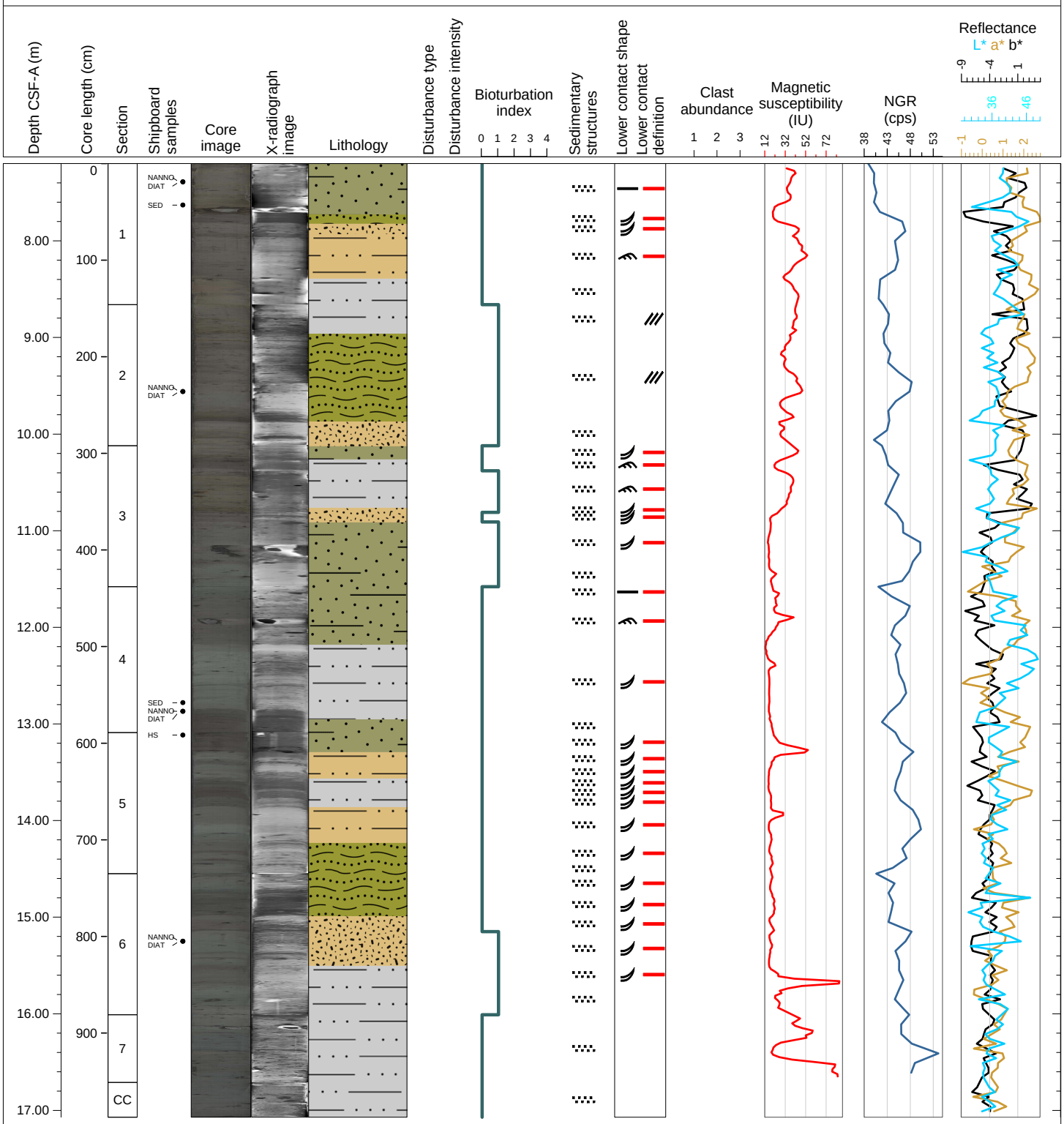
Hole 403-U1620C Core 1H, Interval 0.0-7.19 m (CSF-A)

Soft structureless silty clay to clayey silt with intervals of varying color from light grey to reddish to greenish. No bioturbation. Up-arching due to biscuiting occurs throughout all sections



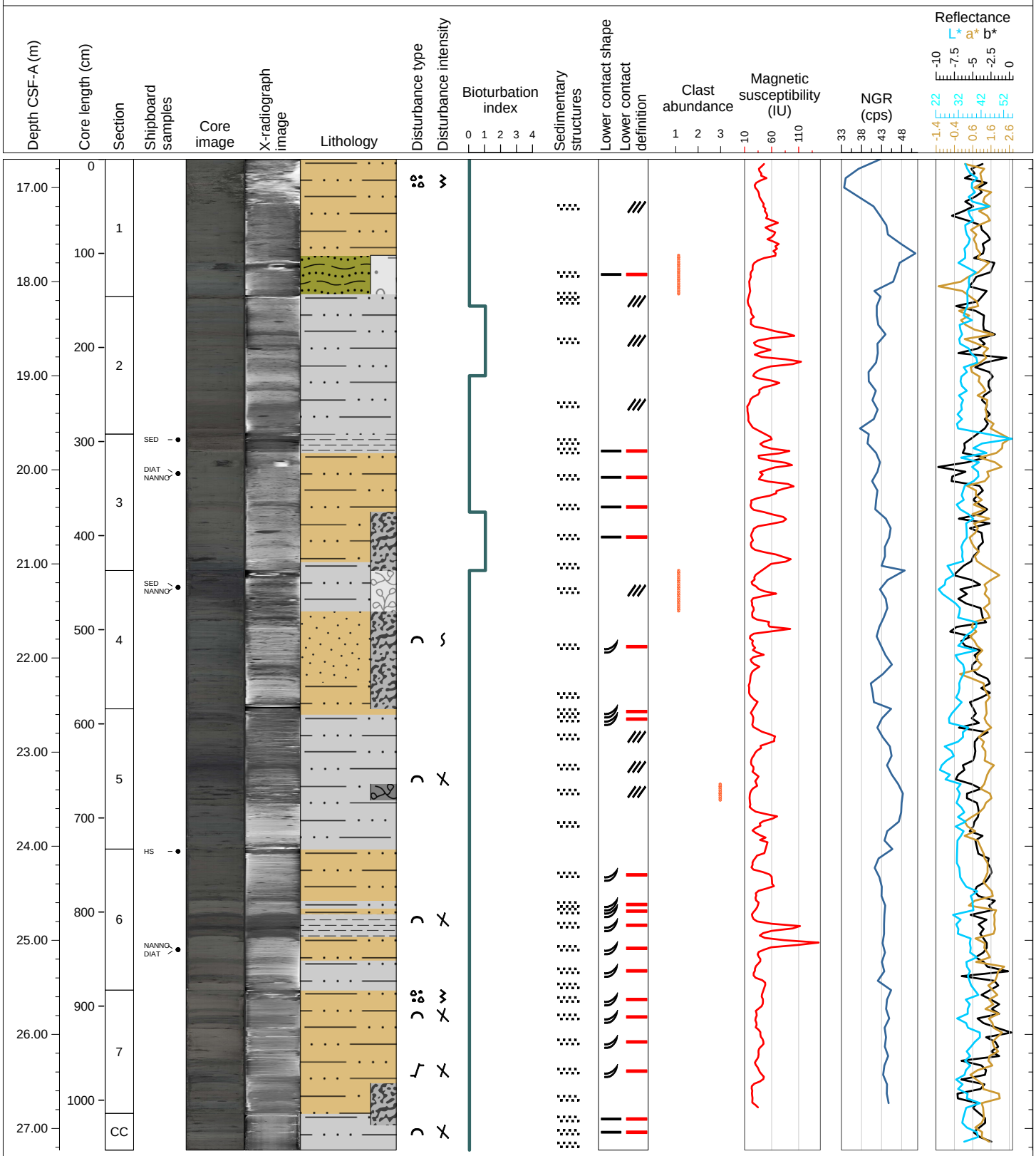
Hole 403-U1620C Core 2H, Interval 7.2-17.07 m (CSF-A)

Soft structureless silty clay to clayey silt with intervals of varying color from light grey to blue-ish green and sandy mud. Little to no bioturbation. Up-arching due to biscuiting occurs throughout all sections



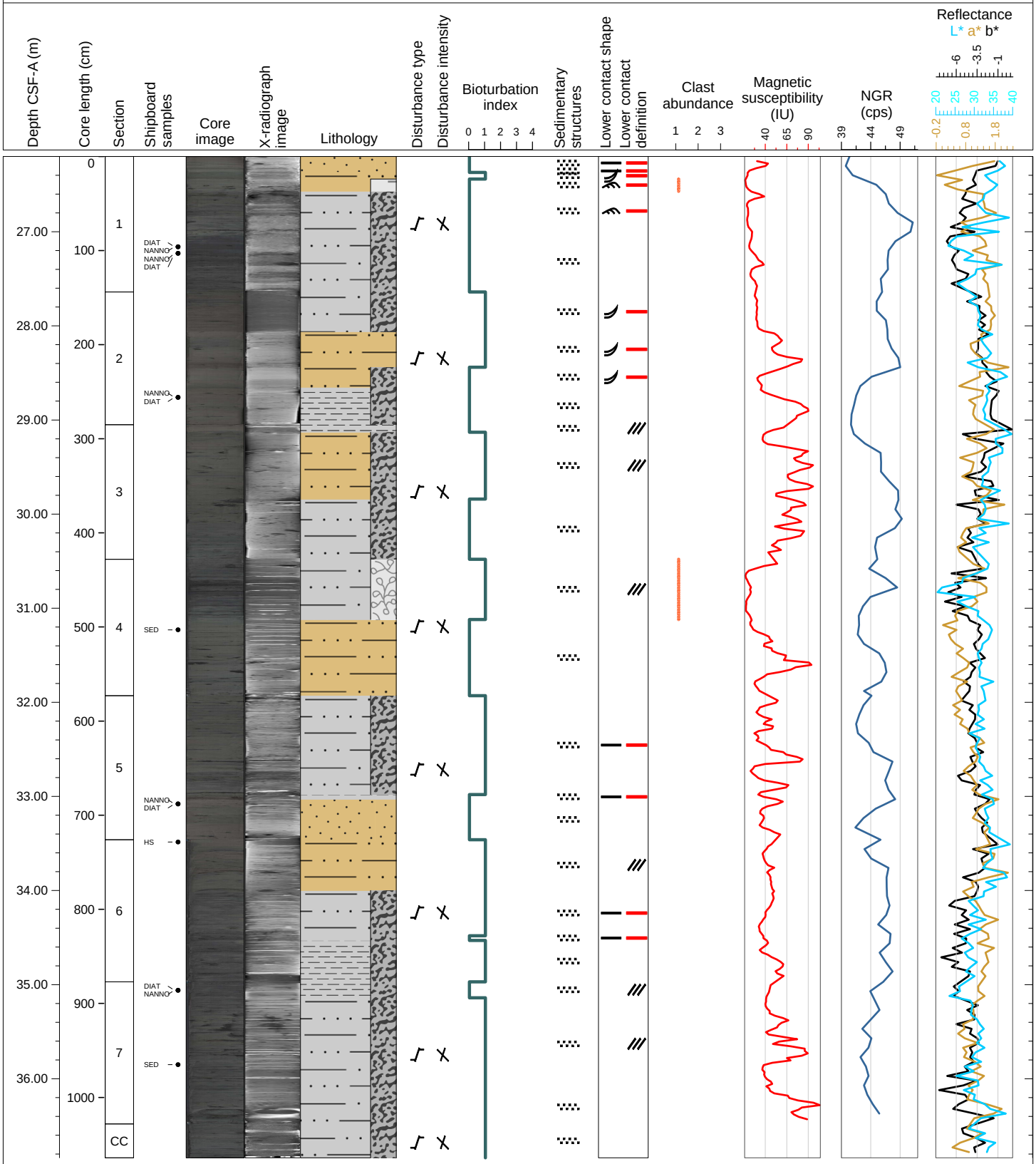
Hole 403-U1620C Core 3H, Interval 16.7-27.23 m (CSF-A)

Soft structureless silty clay to clayey silt with intervals of varying color from light grey to yellowish. Thick black layers also occur in some sections. Little to no bioturbation. Up-arching due to biscuiting occurs throughout all sections



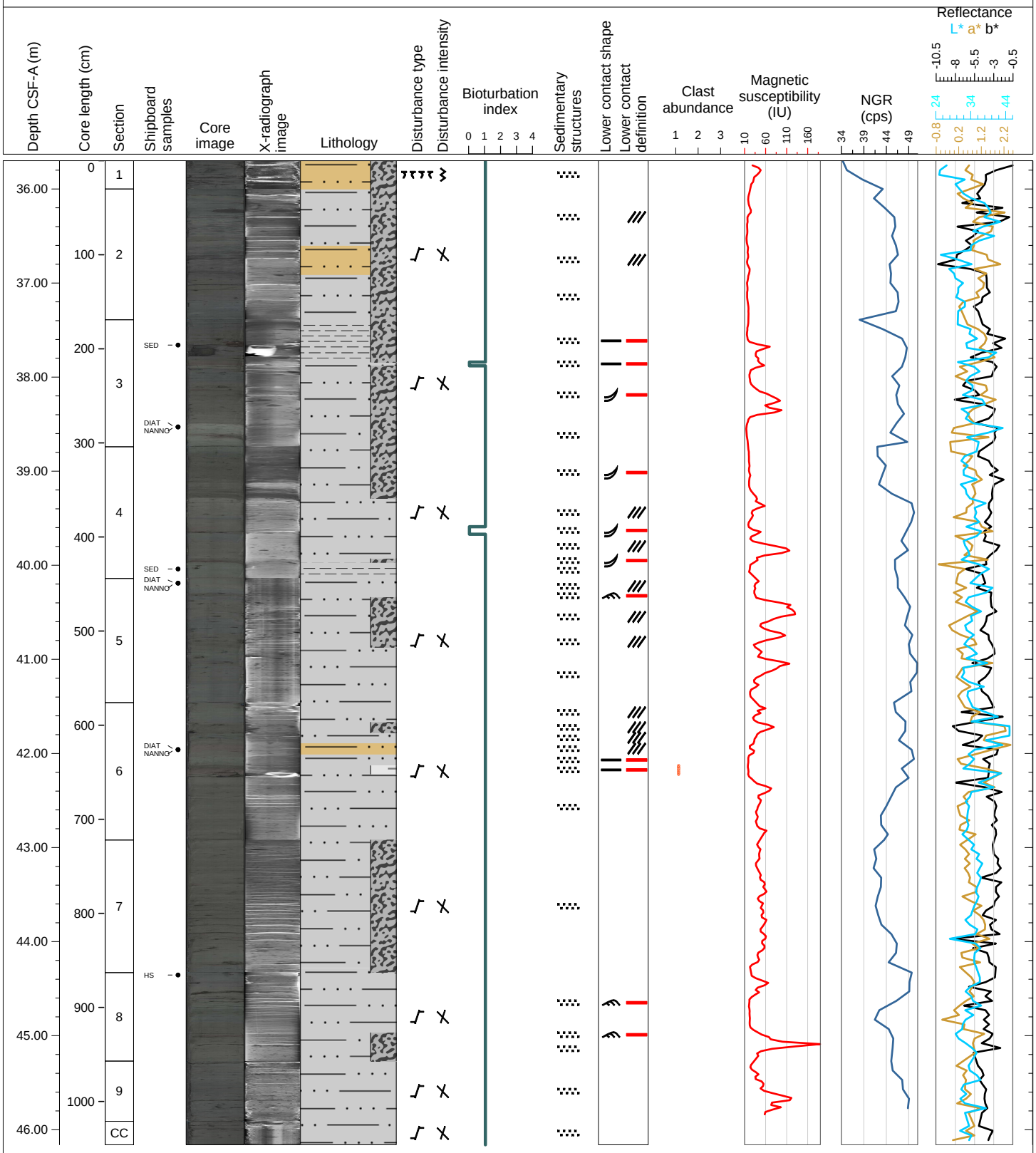
Hole 403-U1620C Core 4H, Interval 26.2-36.84 m (CSF-A)

Soft structureless silty clay to clayey silt with intervals of varying color from light grey to yellowish. Thick black layers also occur in some sections. Little to no bioturbation. Up-arching due to biscuiting occurs throughout all sections



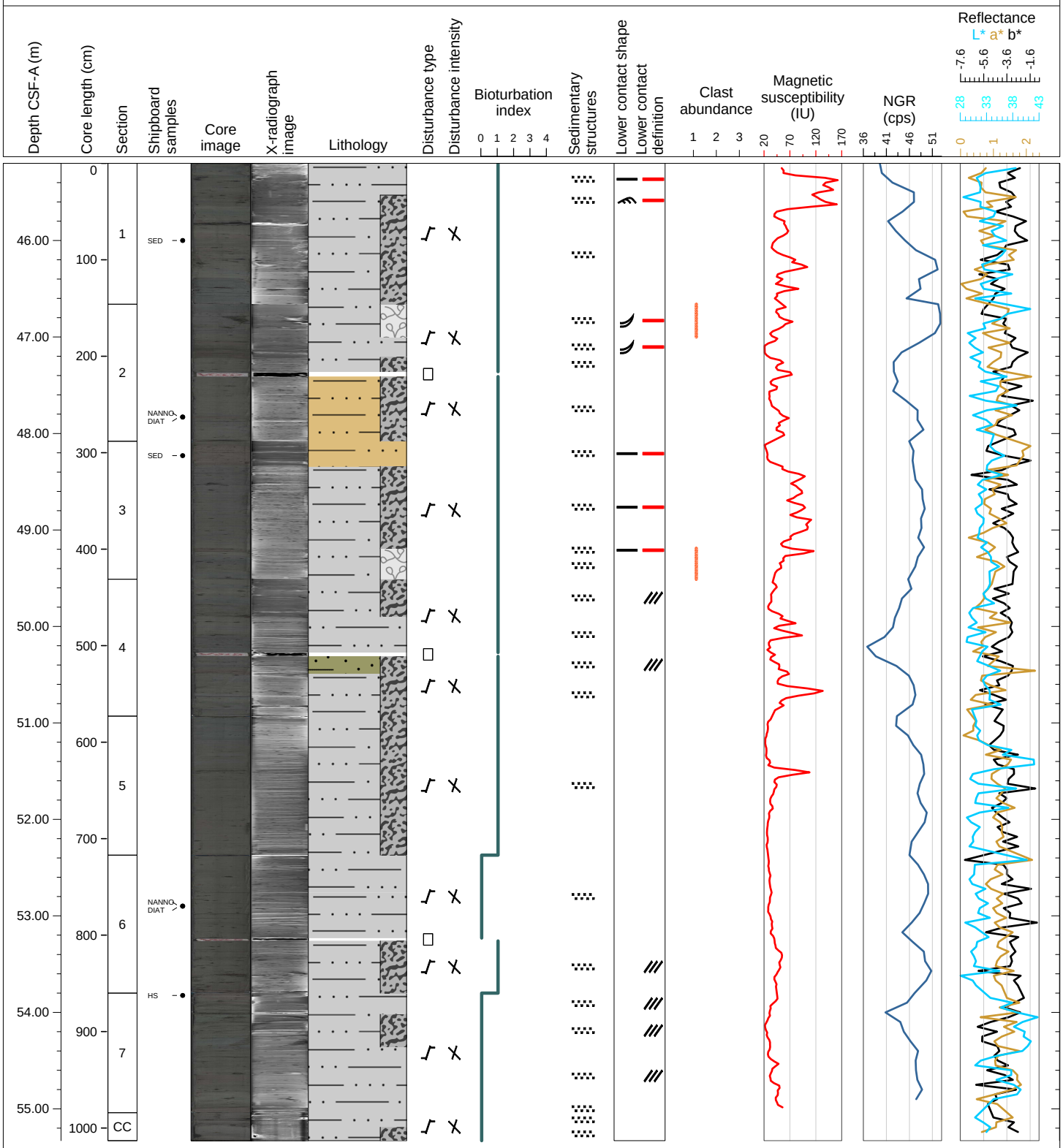
Hole 403-U1620C Core 5H, Interval 35.7-46.16 m (CSF-A)

Soft structureless silty clay to clayey silt with intervals of varying color from light grey to yellowish brown to blue. Little to no bioturbation. Up-arching due to biscuiting occurs throughout all sections



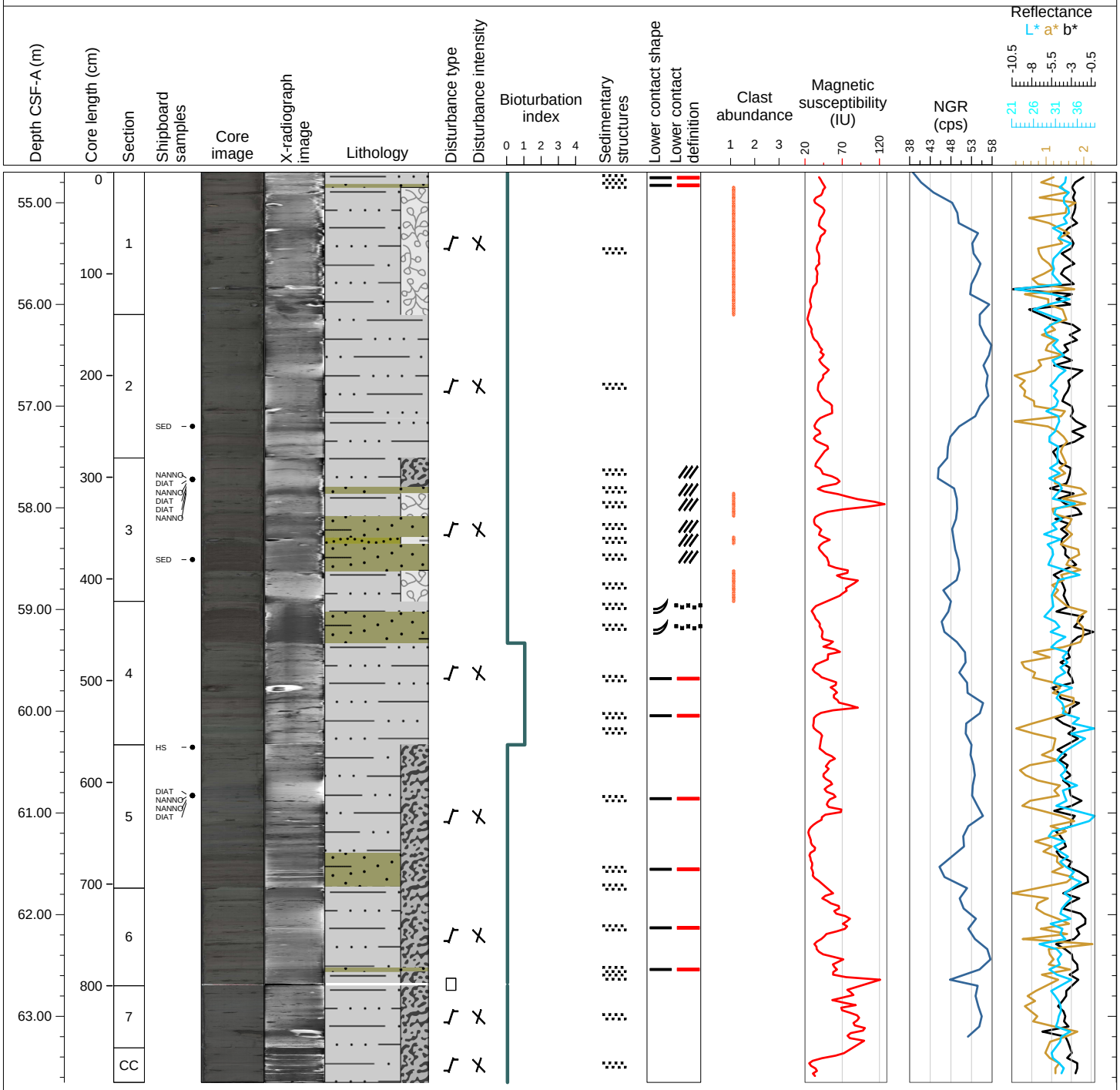
Hole 403-U1620C Core 6H, Interval 45.2-55.33 m (CSF-A)

Soft structureless silty clay to clayey silt with intervals of sandy mud and varying color from light grey to blue. Little to no bioturbation. Up-arching due to biscuiting occurs throughout all sections



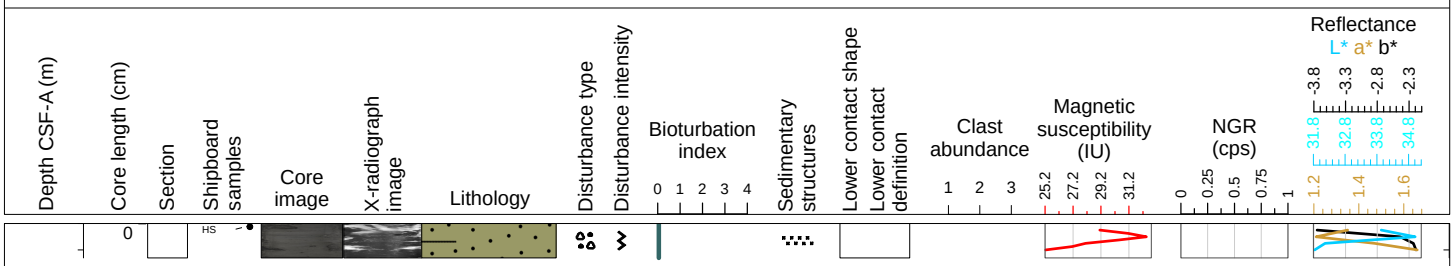
Hole 403-U1620C Core 7H, Interval 54.7-63.65 m (CSF-A)

Soft structureless silty clay to clayey silt with intervals of sandy mud and varying color from light grey to reddish brown. No bioturbation. Up-arching and fracturing due to biscuiting occurs throughout all sections



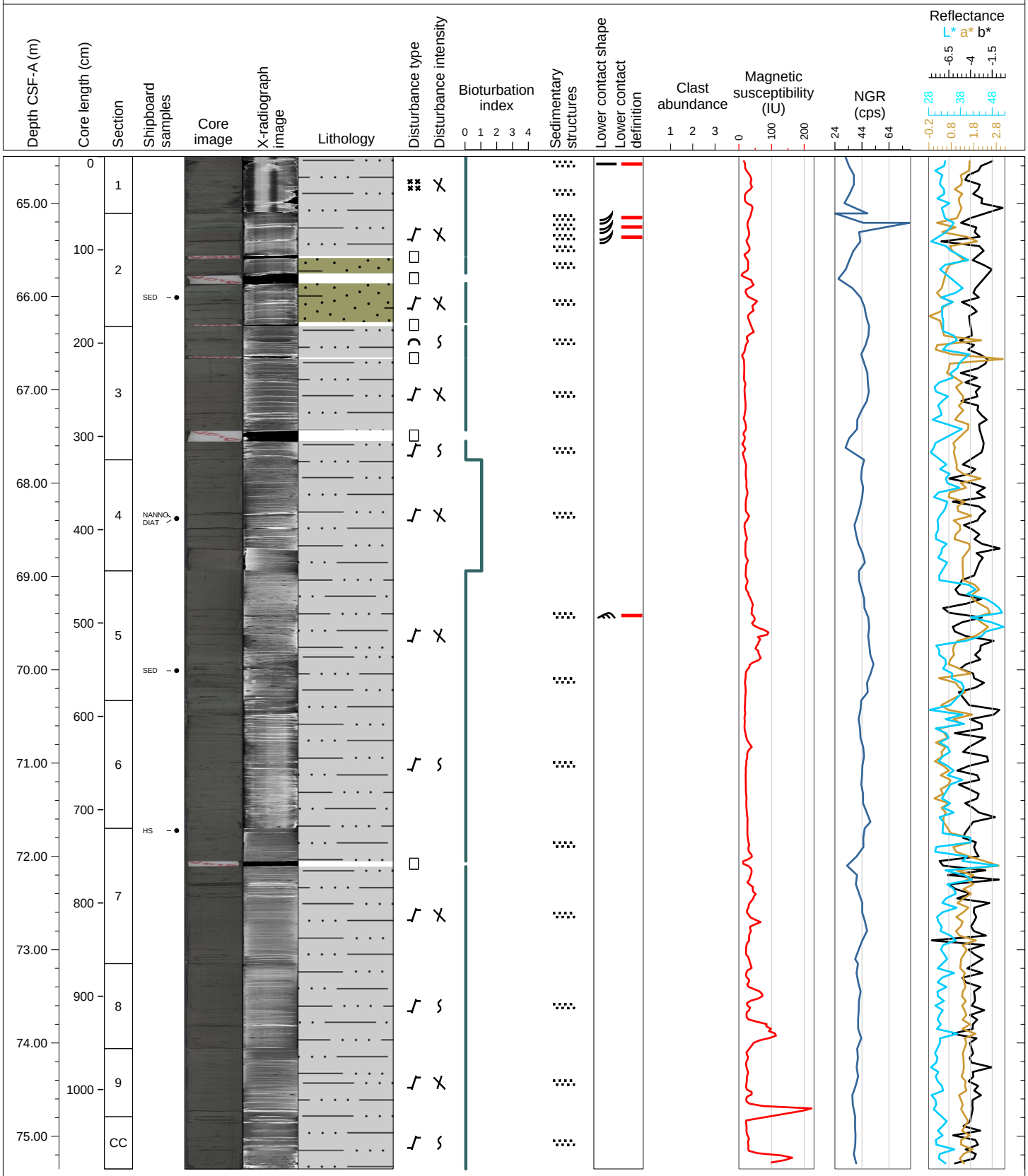
Hole 403-U1620C Core 8H, Interval 64.2-64.46 m (CSF-A)

Recovery only includes core catcher. Soft structureless sandy mud of light grey color. No bioturbation.



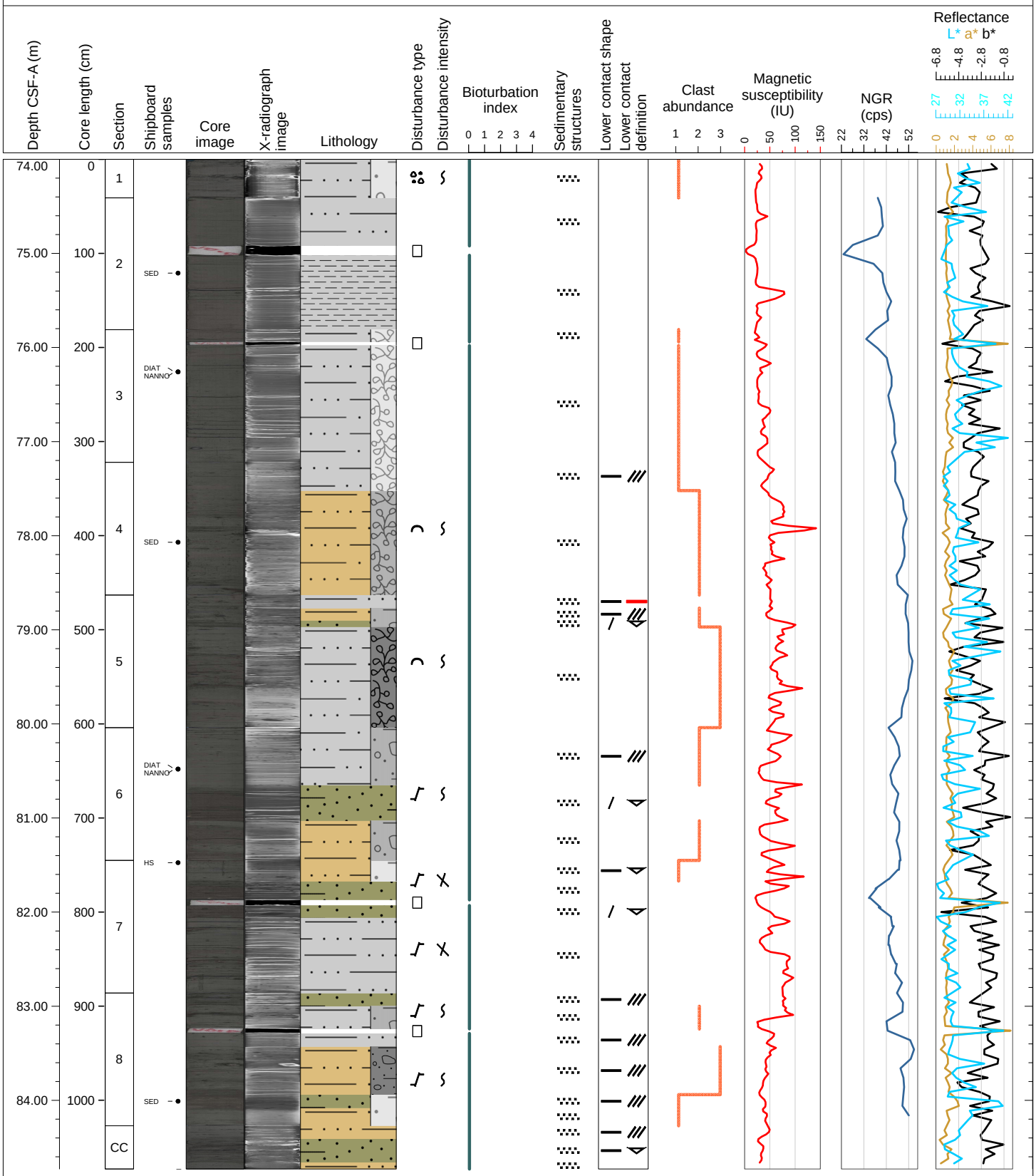
Hole 403-U1620C Core 9H, Interval 64.5-75.35 m (CSF-A)

Soft structureless silty clay with intervals of sandy mud and varying color from light grey to reddish brown. Little to no bioturbation. Up-arching and fracturing due to biscuiting occurs throughout all sections



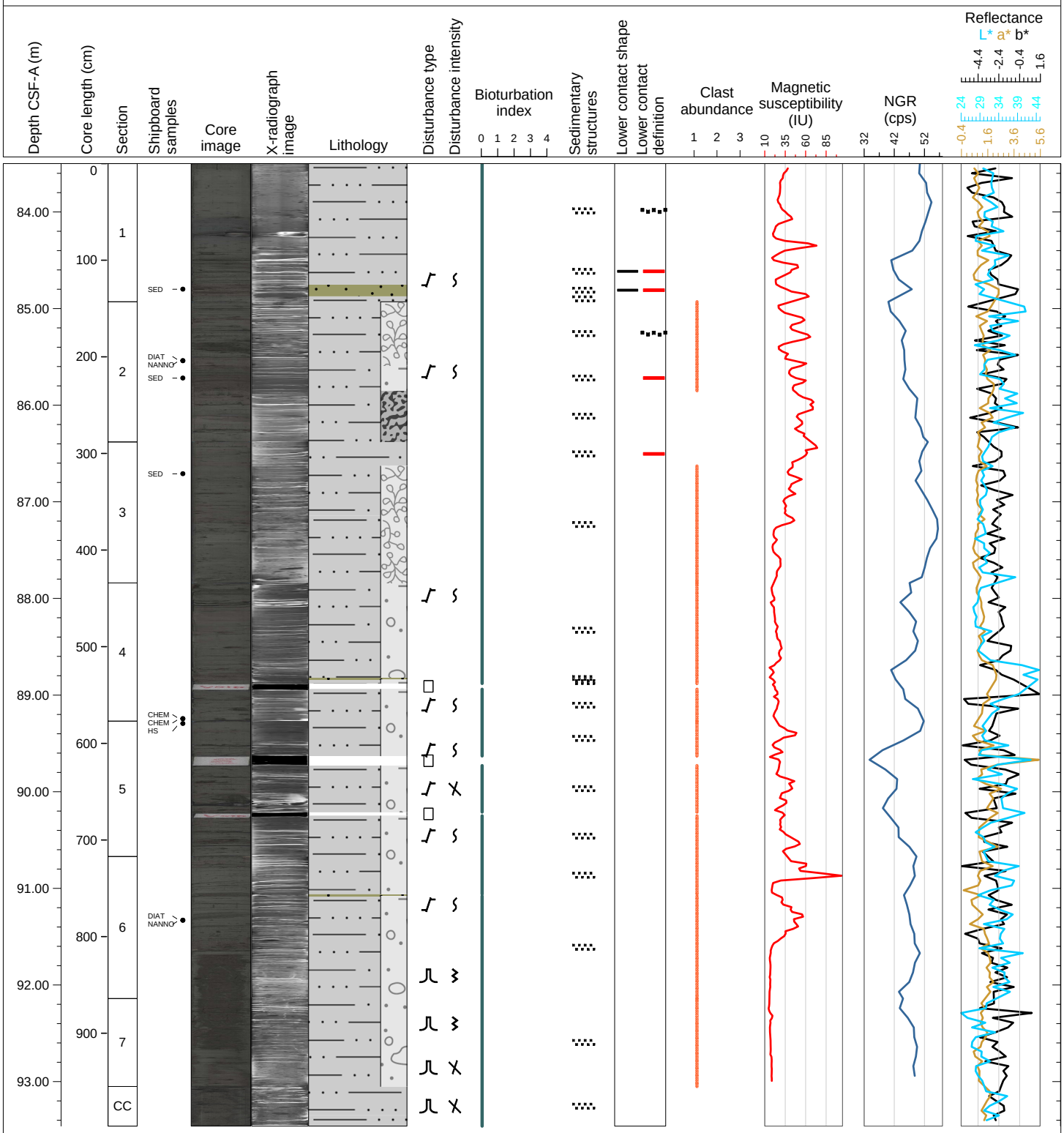
Hole 403-U1620C Core 10H, Interval 74.0-84.73 m (CSF-A)

Primarily silty clay with intervals of sandy mud and clayey silt throughout. There are dark patches in Sections 3, 4, and 5, with dispersed to common clasts throughout and a small interval of abundant clasts in Section 5. There is a <3 cm size clast at 125 cm in Section 3, a brownish coarser grain (sandy mud) in 1 cm thick layers at 73 cm, 107 cm, 123 cm in Section 7, a darker sandy mud layer (2 cm) at 23 cm in Section 8, and coarser-grained area at 60-77 cm, and 102-108 cm and a 3 cm size clast at 76 cm in Section 8. Sediments are structureless and firm with no apparent bioturbation and slight to moderate fracturing and up-arching.



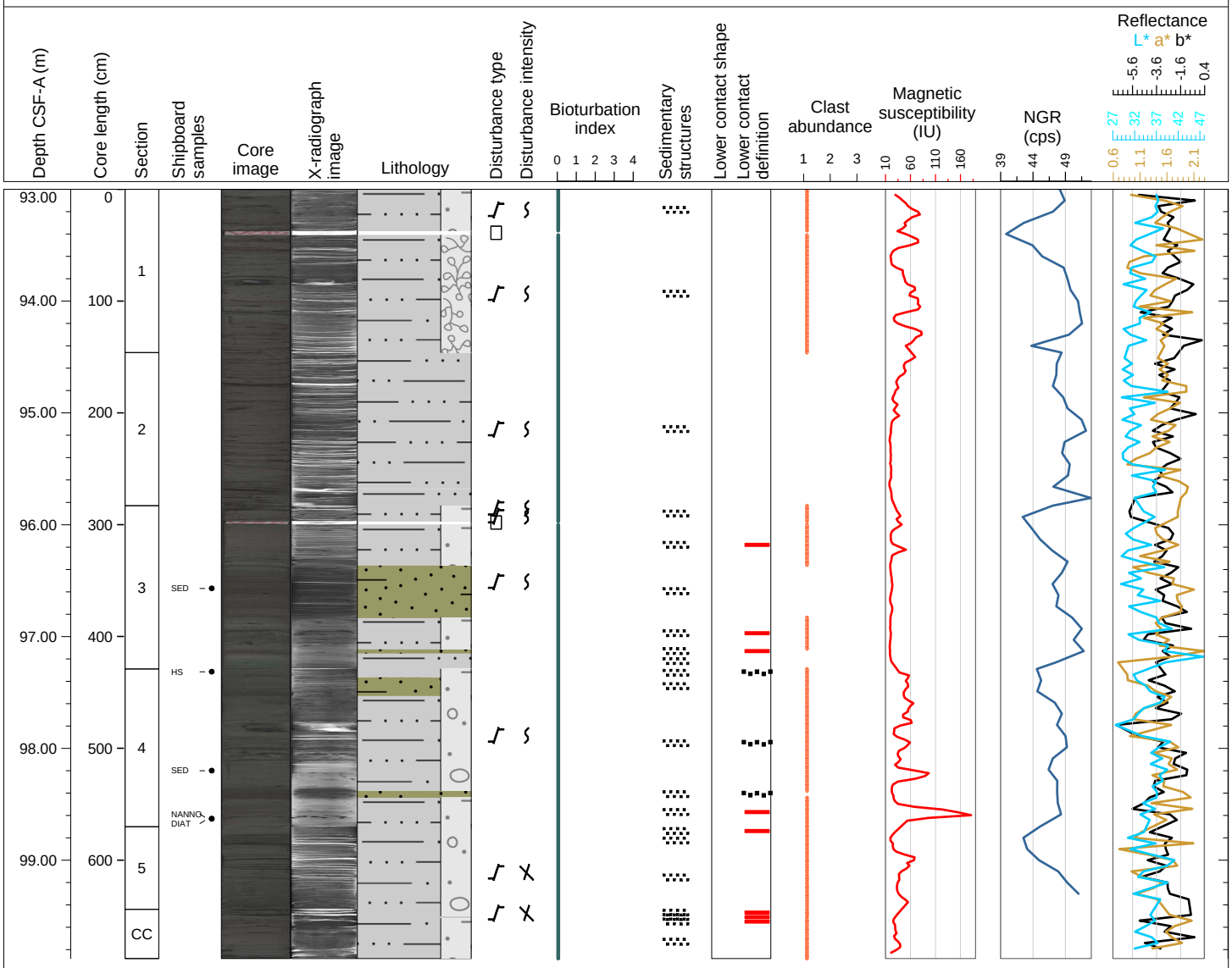
Hole 403-U1620C Core 11H, Interval 83.5-93.46 m (CSF-A)

Primarily silty clay with smaller intervals of sandy mud, dark patches, and dispersed clasts throughout. There is a 4cm rounded clast from 72-76cm in Section 1, multiple thin sandy layers in Sections 1 and 2, a dark brown flaky layer similar to those we saw in Hole A that is rich in rock fragments and detrital carbonate, a 2cm candy circular patch from 140-142cm in Section 3, a 2.5cm subrounded clast from 84-87cm in Section 5, and extreme drilling disturbance in Sections 6, 7, and the core catcher where sand was brought in from surrounding sediments. Sediments are structureless and firm with no apparent bioturbation.



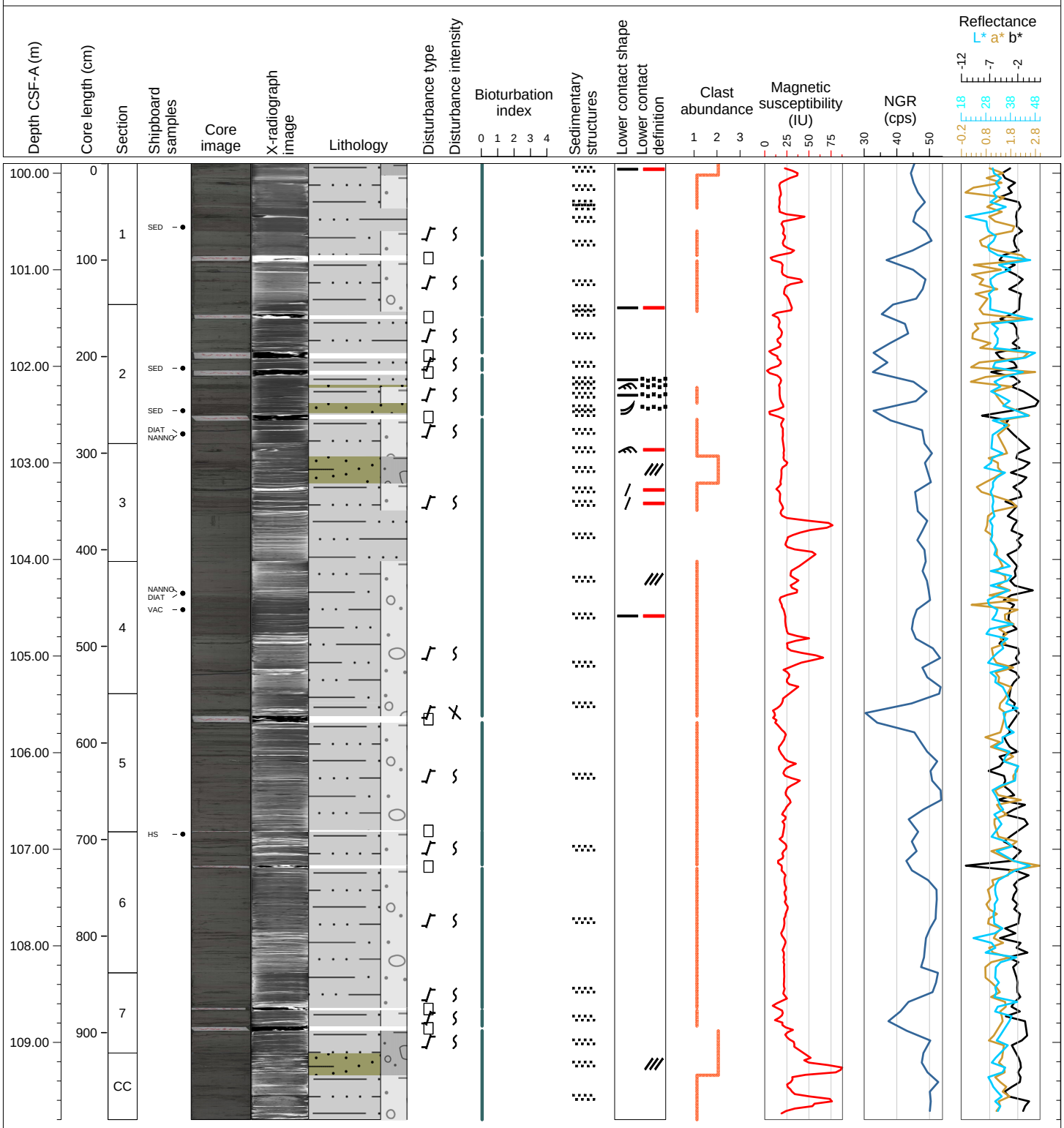
Hole 403-U1620C Core 12H, Interval 93.0-99.88 m (CSF-A)

Primarily silty clay with smaller intervals of sandy mud and dispersed clasts throughout. There are thin <1cm layers of sand throughout Section 1 and a gray angular clast from 81-83cm. Section 2 has thin <1cmn layers of sand throughout and a tan-colored angular clast from 120-121cm. Sections 3, 4, and the core catcher contain reddish intervals with no noticeable grain size change, as well as a bright green layer in the core catcher. Sediments are structureless and firm with no apparent bioturbation and slight fracturing throughout.



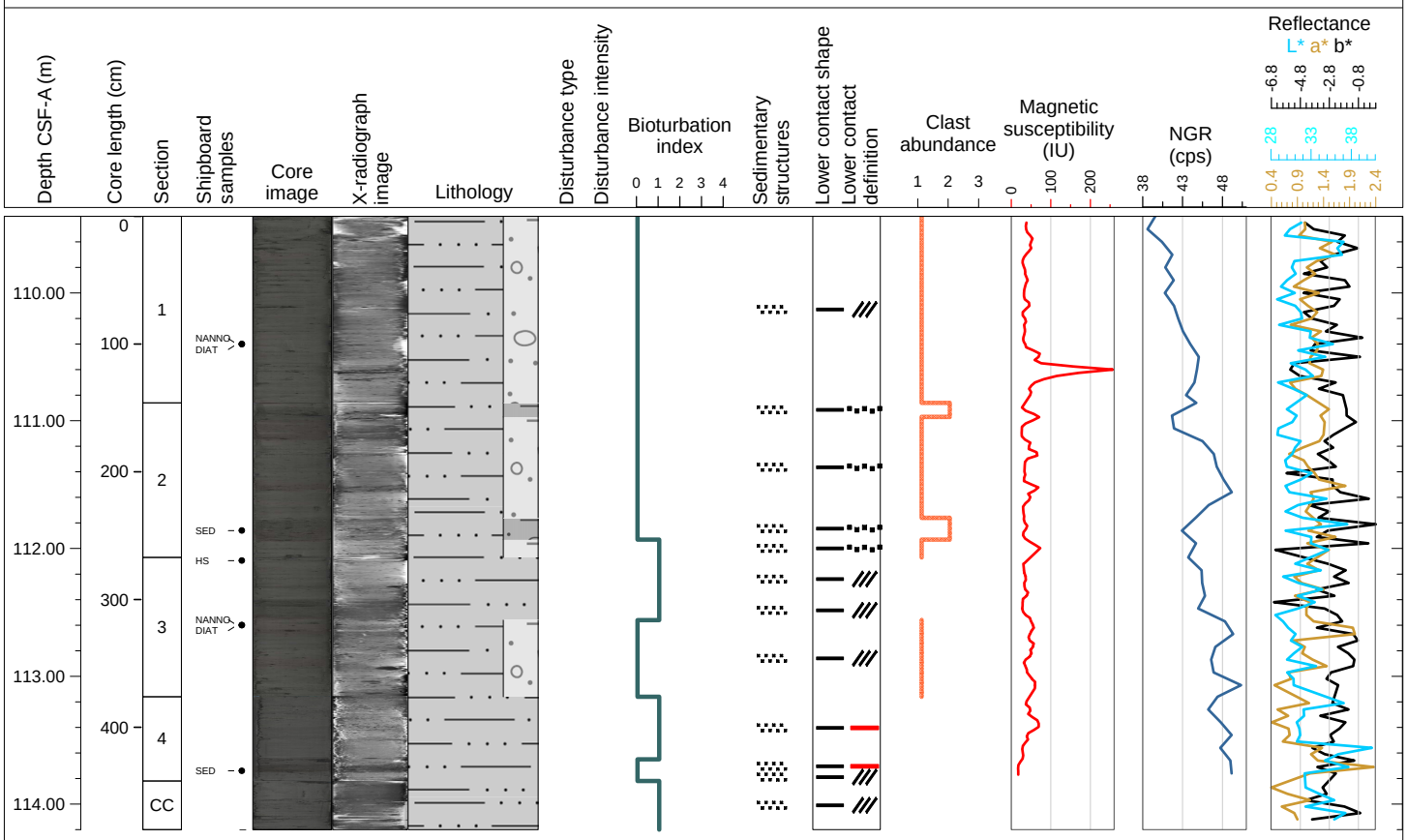
Hole 403-U1620C Core 13H, Interval 99.9-109.8 m (CSF-A)

Primarily silty clay with smaller intervals of sandy mud and dispersed to common clasts throughout. There are sandy layers from 17 to 23cm, 40 to 53cm, and 63 to 74cm in Section 5. Sediments are structureless and firm with no apparent bioturbation and slightly fractured throughout.



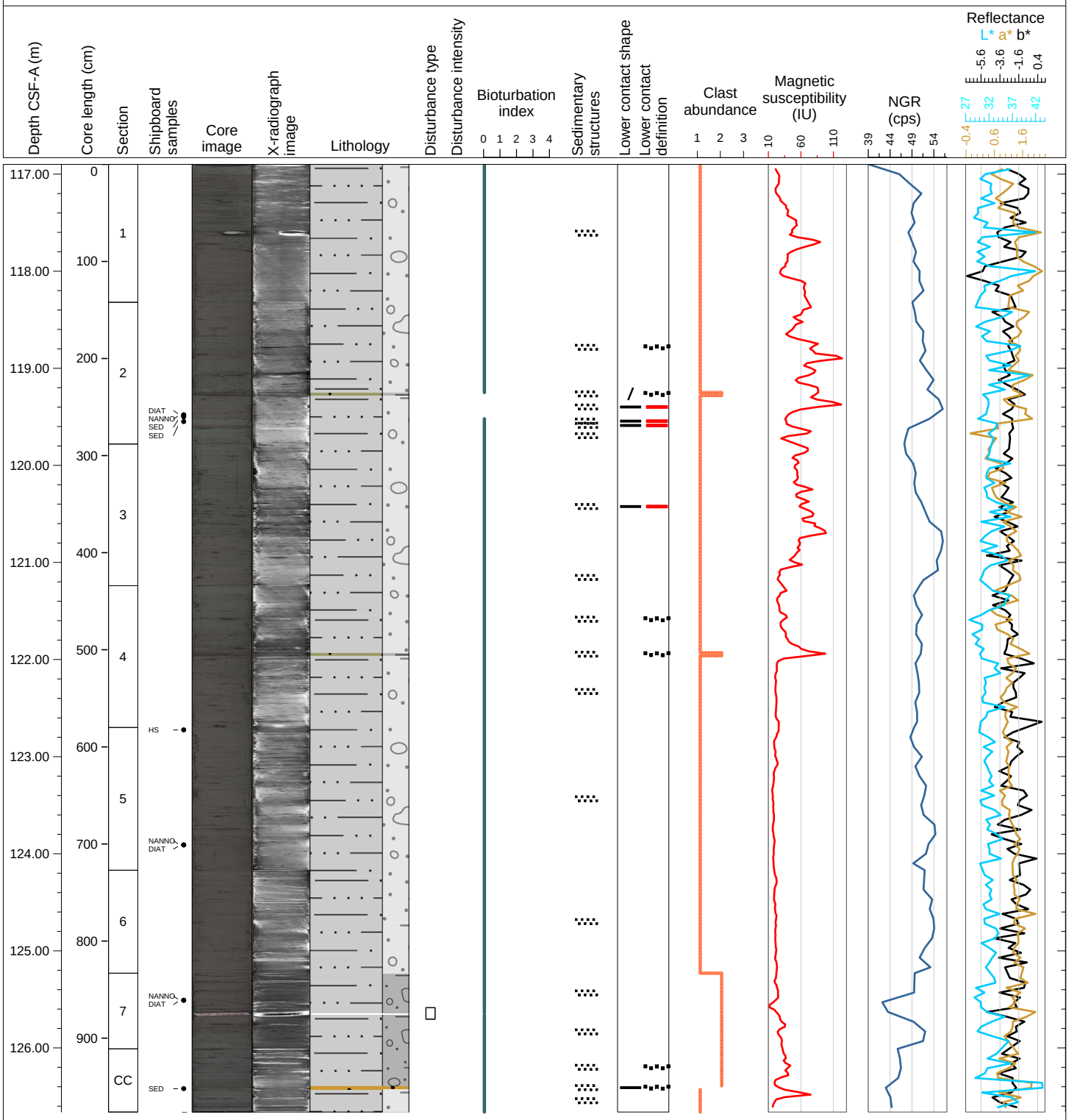
Hole 403-U1620C Core 14X, Interval 109.4-114.2 m (CSF-A)

Silty clay with dispersed to common clasts in the first 3 Sections. Sediments are structureless and firm with absent to slight bioturbation and no drilling disturbance.



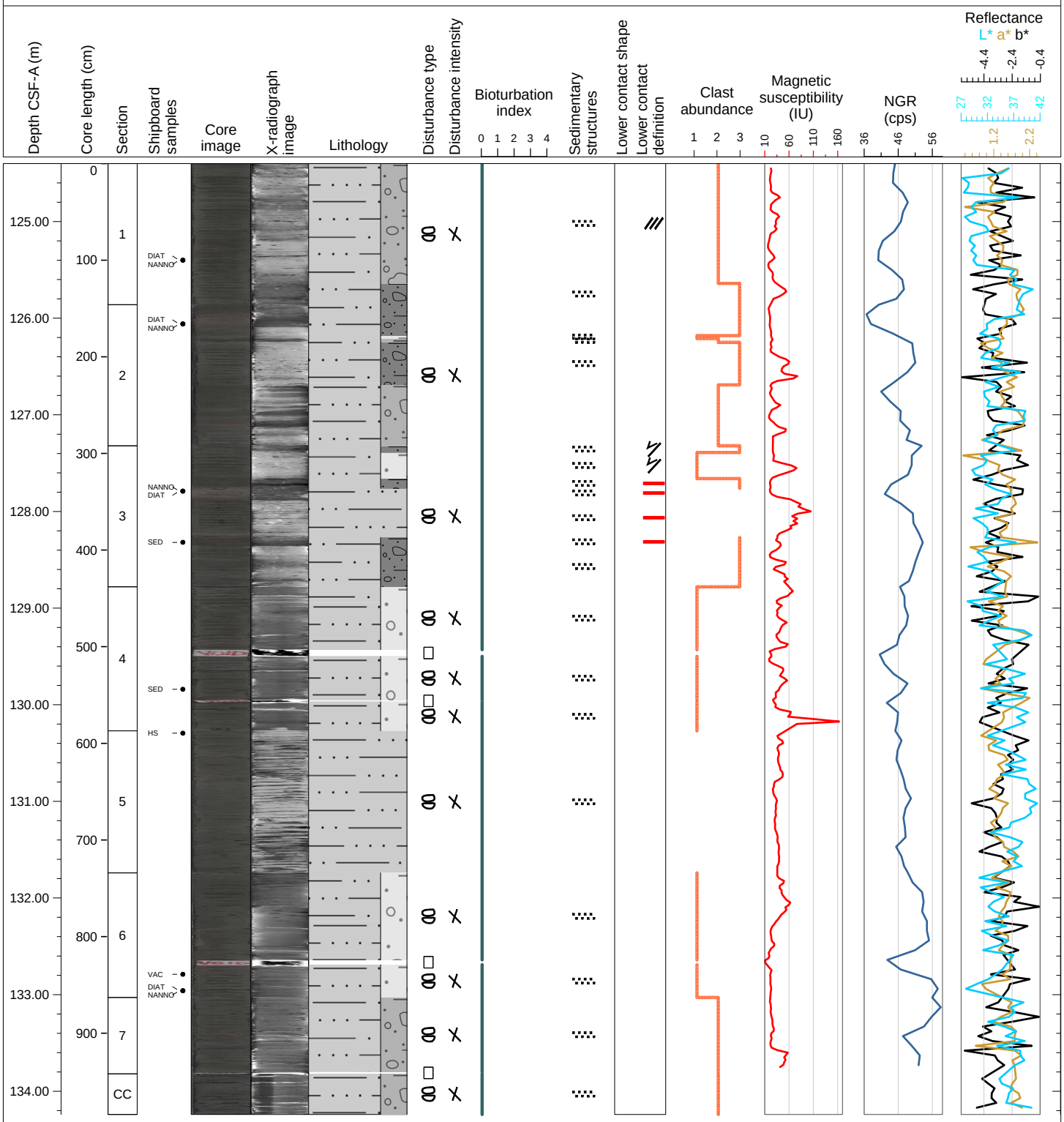
Hole 403-U1620C Core 15X, Interval 116.9-126.66 m (CSF-A)

Primarily silty clay with smaller intervals of sand and sandy mud. There is a 3cm sized sub-rounded clast at 68-70cm in Section 1, a 4cm sized sub rounded clast at 73-76cm in Section 2, and a 2cm sized sub rounded clast at 61-63cm in Section 3. Sediments are structureless other than faint laminations in Section 1, firm, and have no apparent bioturbation or drilling disturbance.



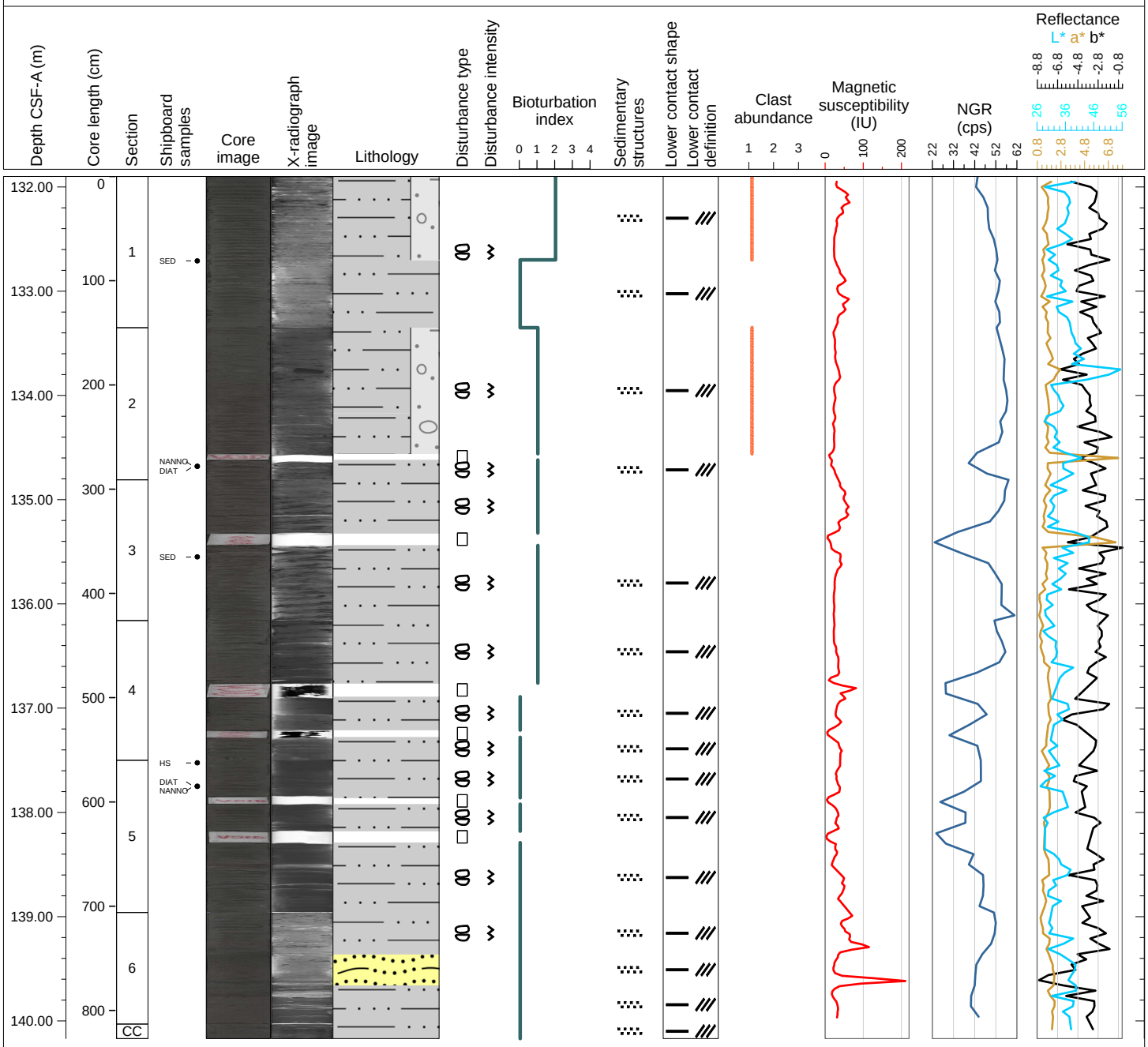
Hole 403-U1620C Core 16X, Interval 124.4-134.24 m (CSF-A)

Silty clay with dispersed to abundant clasts throughout. There are <10cm dark reddish intervals in Sections 2 and 3, 1cm rectangular clasts at 107 and 125cm in Section 4, tan/brown authigenic nodules throughout Section 5, 2 rectangular angular clasts ~2cm long at 40-42cm, one black rounded ~1cm clast at 44cm, and 1 subrounded 2.5cm clast at 110-111cm in Section 6, and a 4cm subangular light brown banded clast from Section 7 36-41cm, possibly a gneiss. Sediments are structureless and firm with no apparent bioturbation and moderate biscuiting and fracturing throughout.



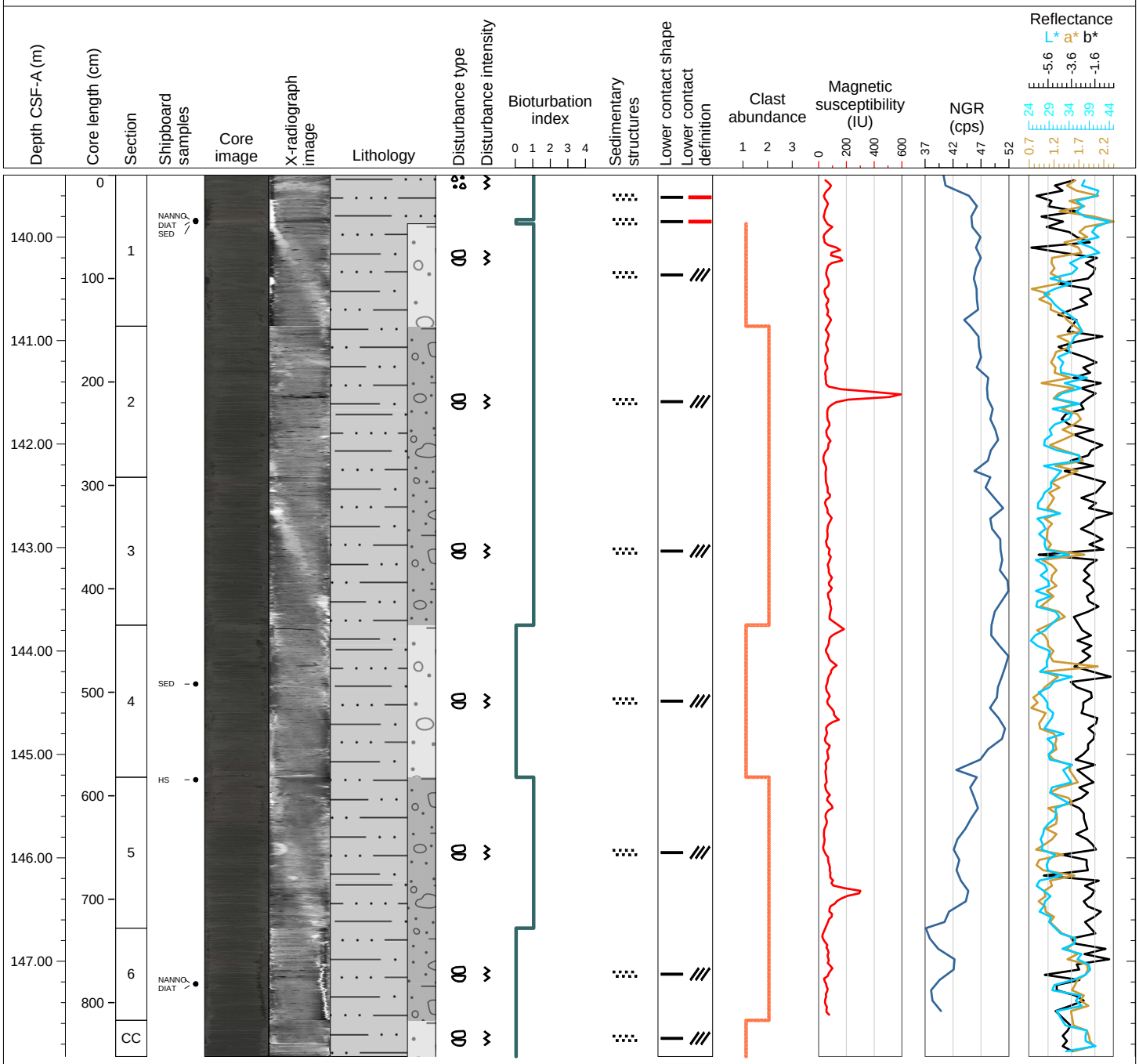
Hole 403-U1620C Core 17X, Interval 131.9-140.17 m (CSF-A)

Primarily silty clay with a 30cm interval of clayey sand in Section 6 and a 5 cm clast from 40-45 cm in Section 2, likely igneous plutonic. Sediments are structureless and firm with absent to slight bioturbation and strong biscuiting throughout.



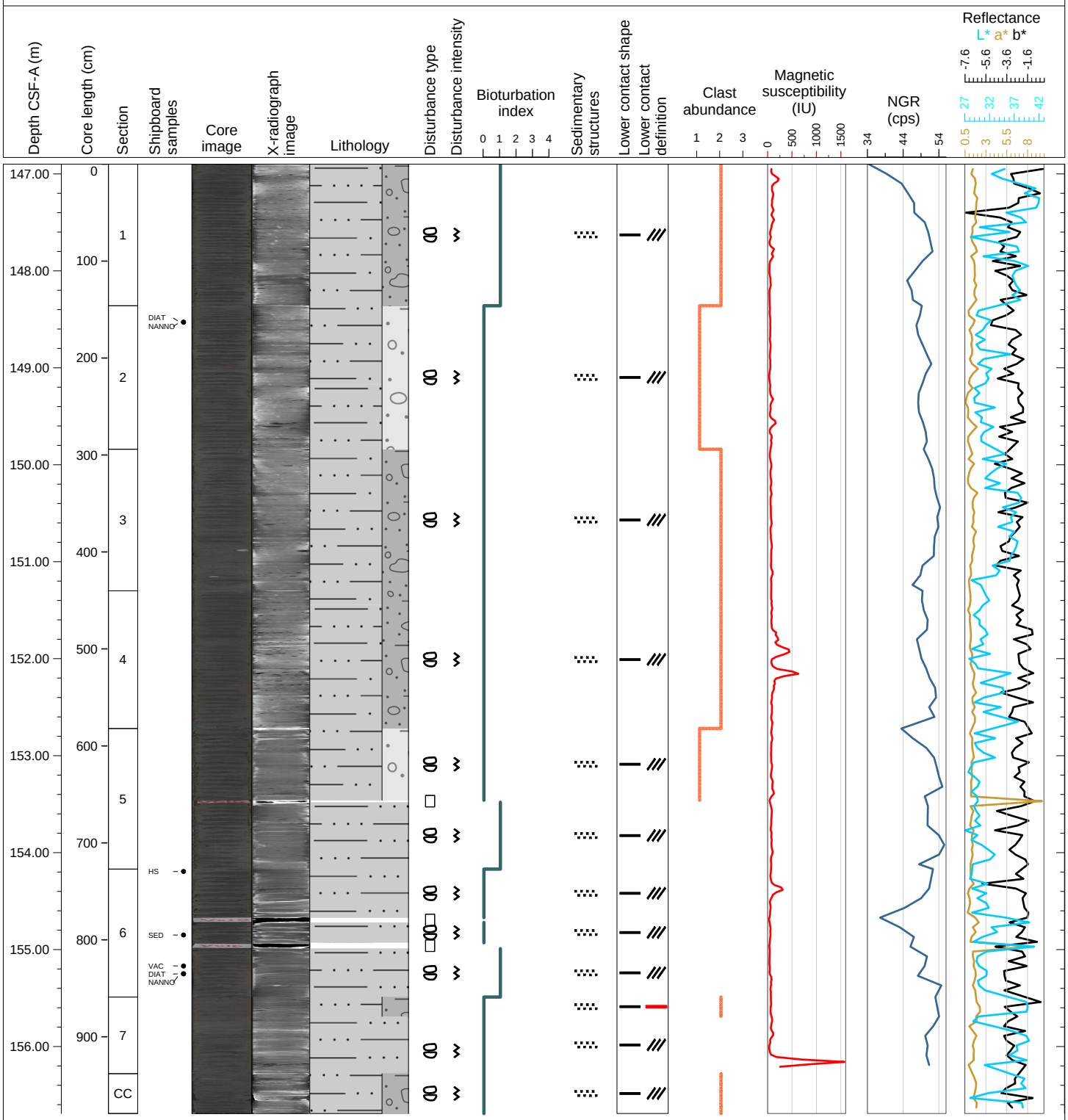
Hole 403-U1620C Core 18X, Interval 139.4-147.92 m (CSF-A)

Silty clay with dispersed to common clasts. There is a 1.5 cm clast at 39-41 cm that is likely shale. Sediments are structureless and firm with absent to slight bioturbation and strong biscuiting throughout and mixed sediments in the top 14cm.



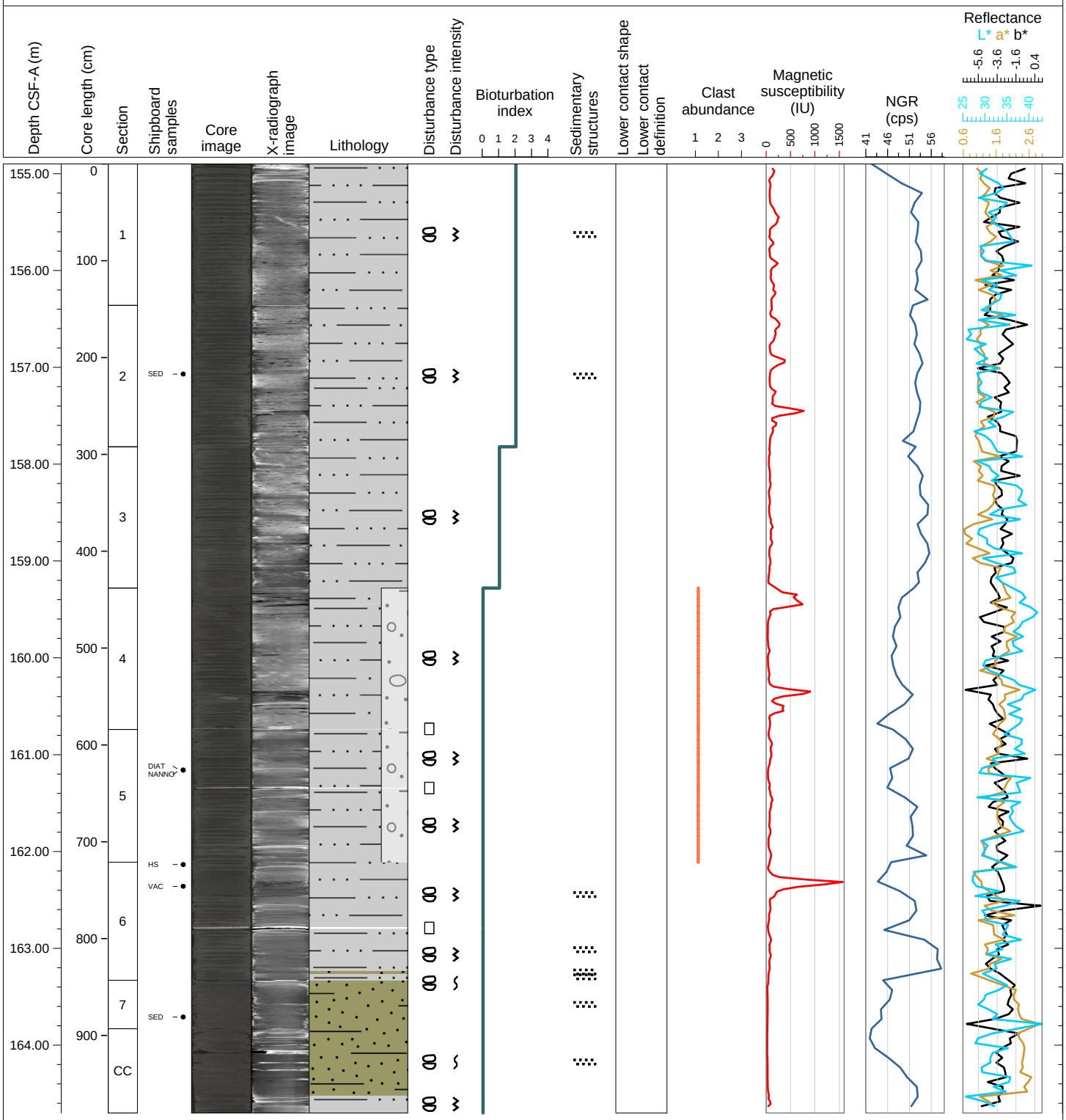
Hole 403-U1620C Core 19X, Interval 146.9-156.69 m (CSF-A)

Silty clay with dispersed to common clasts and a 4.5cm clast from 5-7 cm depth, likely plutonic. Sediments are structureless and firm with absent to slight bioturbation and strong biscuiting.



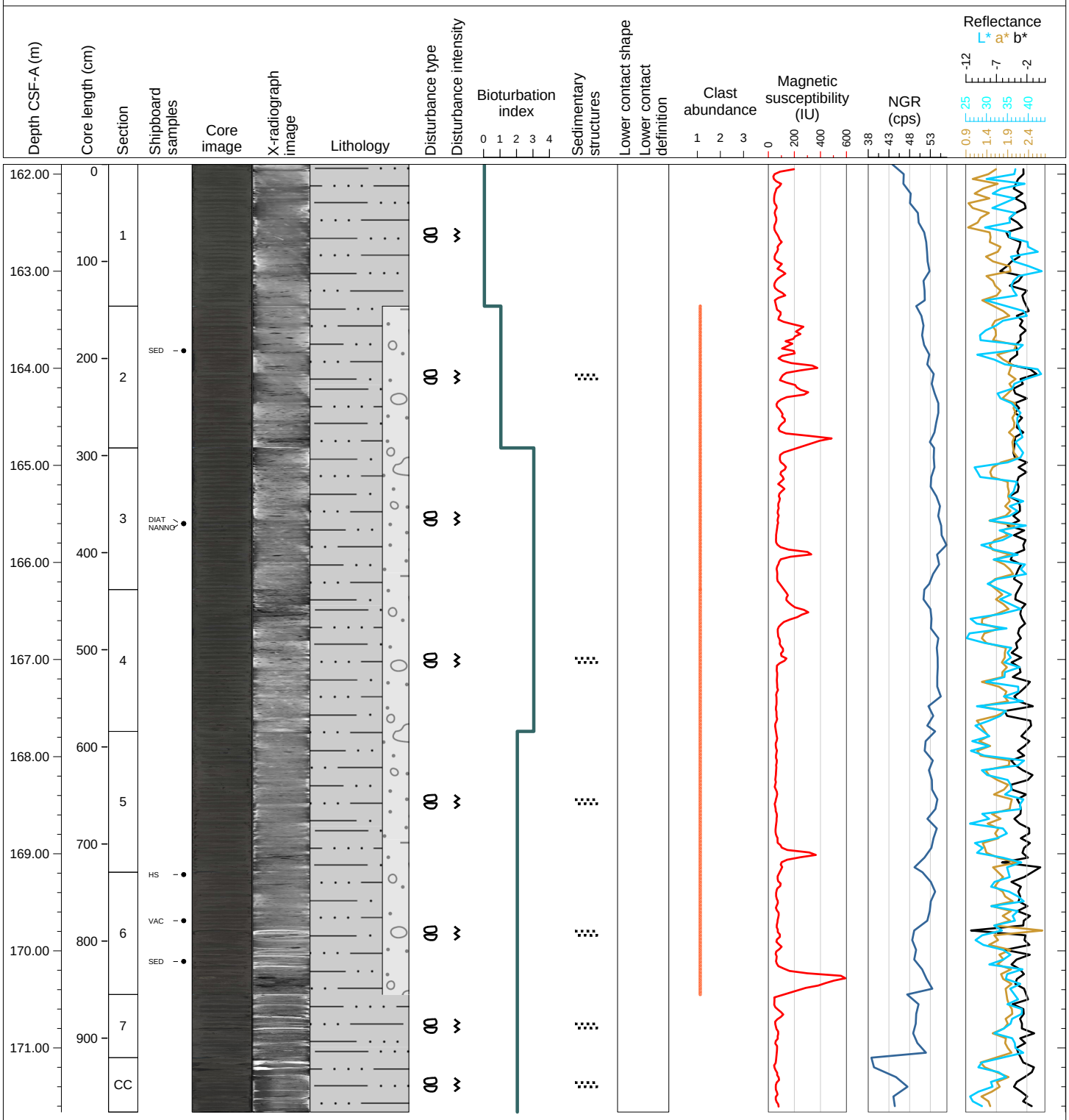
Hole 403-U1620C Core 20X, Interval 154.9-164.7 m (CSF-A)

Primarily silty clay with sandy mud intervals in Sections 6, 7, and the core catcher. There is authigenic pyrite/greigite formation in Sections 1, 2, 3, 4, and 6. Few intervals are faintly thinly laminated and all sediments are firm with biscuits, and slight to moderate bioturbation in Sections 1-3.



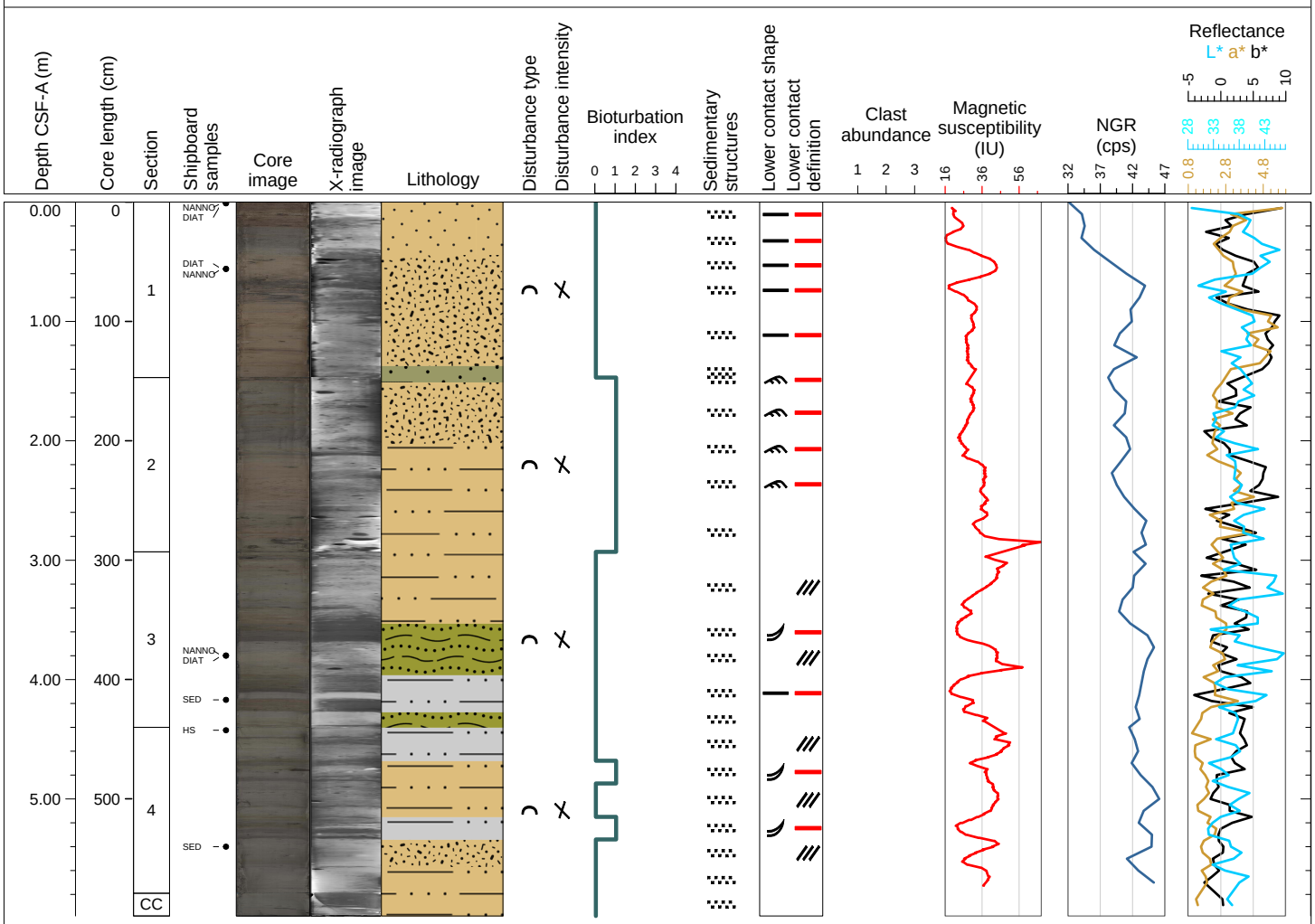
Hole 403-U1620C Core 21X, Interval 161.9-171.66 m (CSF-A)

Silty clay with dispersed clasts in Sections 2-6 and authigenic pyrite formation in all sections except for Section 3. Sections 1 and 3 are faintly thinly laminated but obstructed by bioturbation and biscuiting. There is slight to heavy bioturbation in all sections except Section 1. All sediments are firm and strongly biscuited, with fractures in Sections 7 and the core catcher.



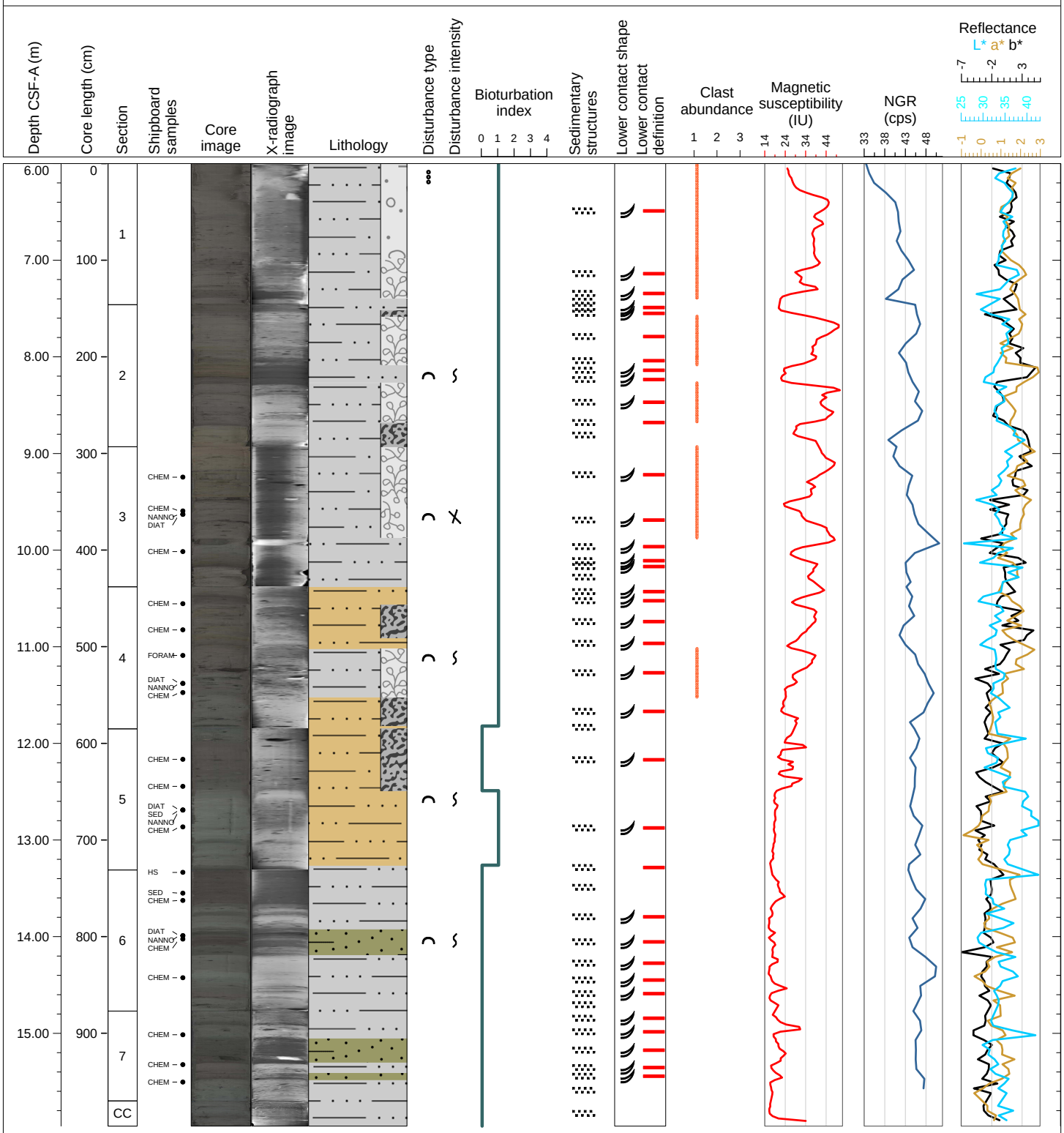
Hole 403-U1620D Core 1H, Interval 0.0-5.98 m (CSF-A)

Soft structureless clayey silt to sandy mud with intervals of silty clay and dispersed clasts. There is varying color from yellow to greenish to reddish brown. Little to no bioturbation. Up-arching due to drilling occurs throughout all sections



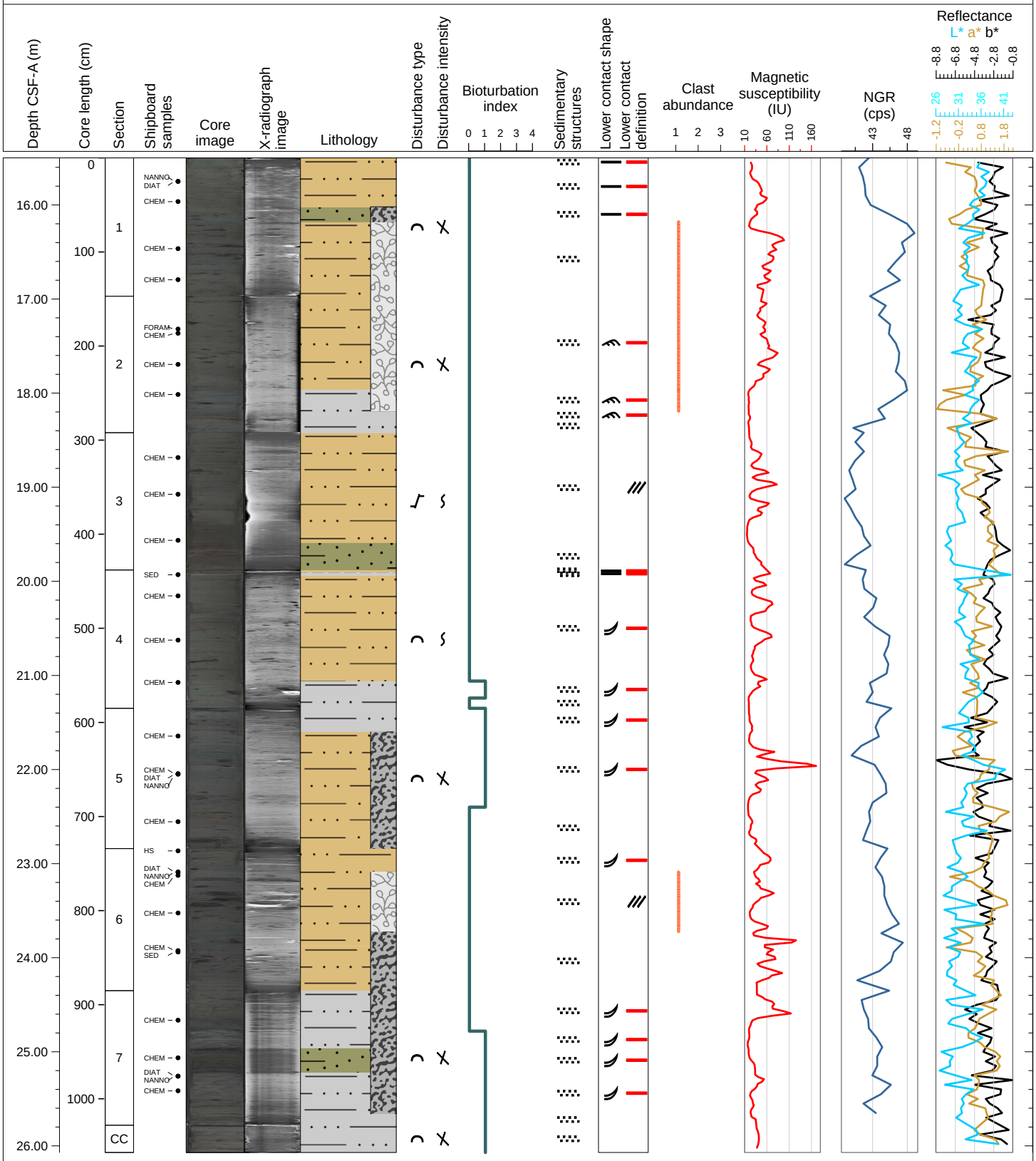
Hole 403-U1620D Core 2H, Interval 6.0-15.96 m (CSF-A)

Soft structureless clayey silt to silty clay with intervals of sandy mud and dispersed clasts. There is varying color from yellow to greenish to blue. Little to no bioturbation. Up-arching due to drilling occurs throughout all sections



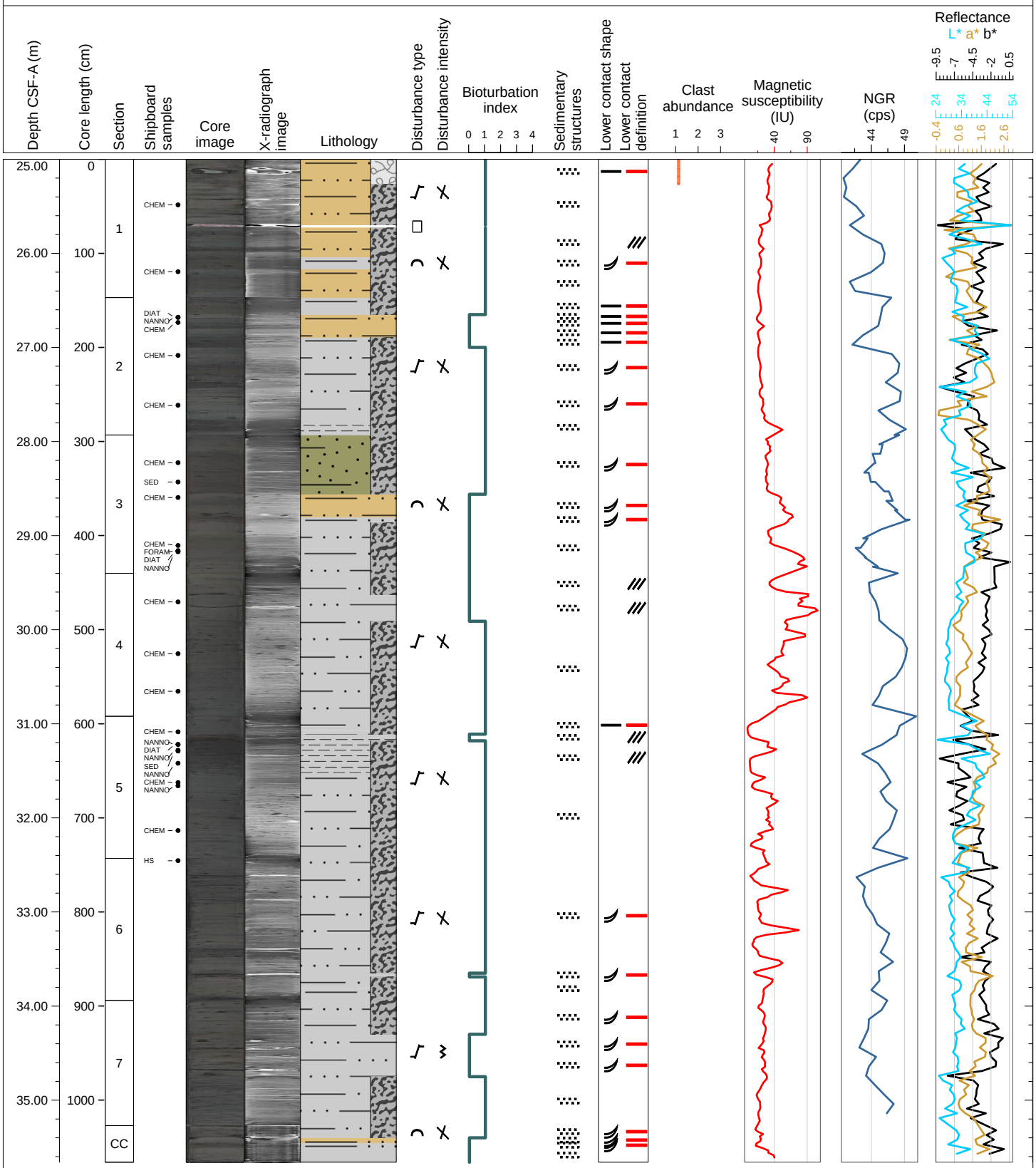
Hole 403-U1620D Core 3H, Interval 15.5-26.07 m (CSF-A)

Soft structureless clayey silt to silty clay with intervals of sandy mud and dispersed clasts. There is varying color from yellow to greenish to blueLittle to no bioturbation. Up-arching due to drilling occurs throughout all sections



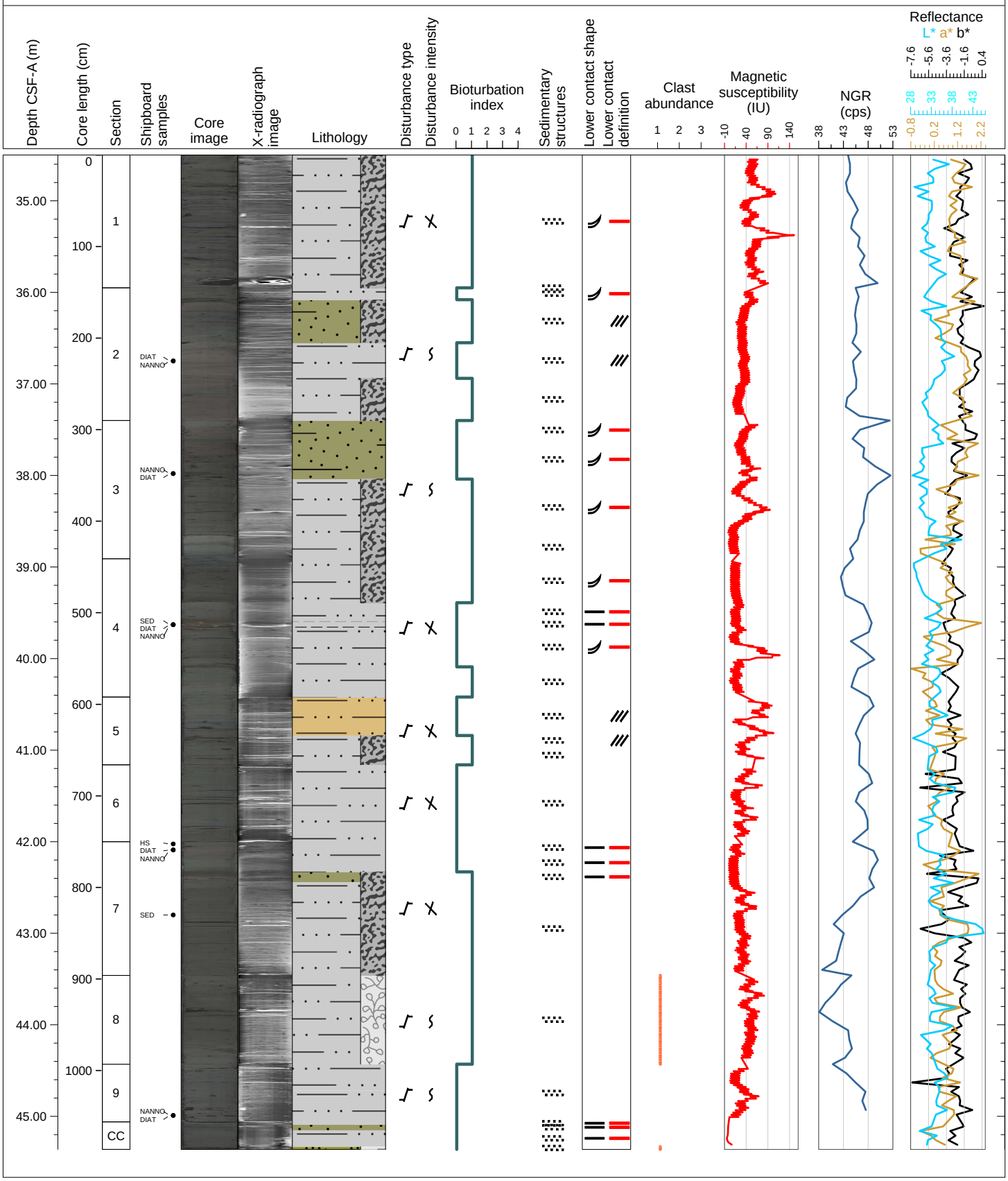
Hole 403-U1620D Core 4H, Interval 25.0-35.66 m (CSF-A)

Soft structureless clayey silt to silty clay with dispersed clasts and dark patches. There is varying color from blue-ish grey to black Little to no bioturbation. Up-arching due to drilling occurs throughout all sections



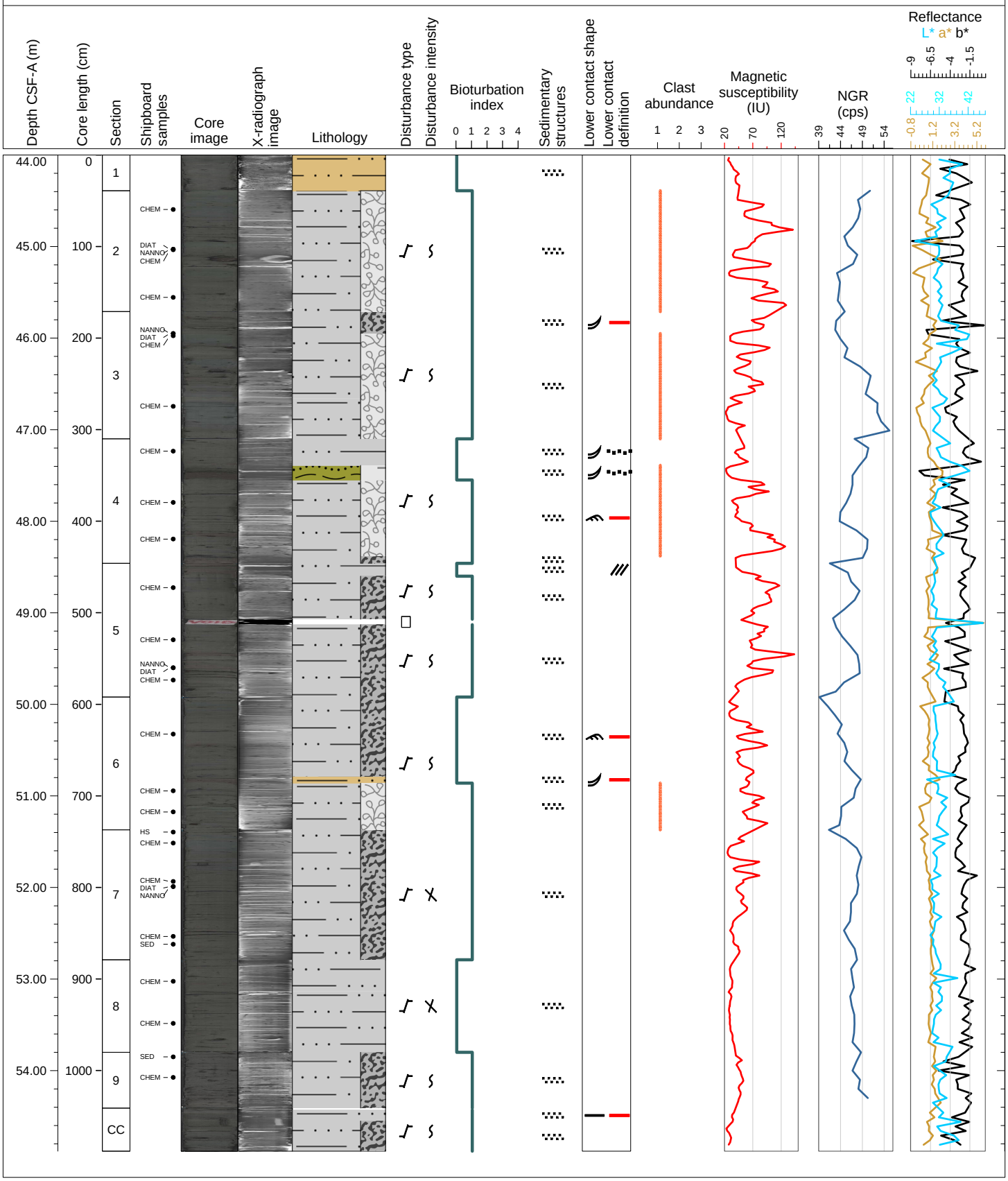
Hole 403-U1620D Core 5H, Interval 34.5-45.36 m (CSF-A)

Mostly soft structureless silty clay with some sandy mud intervals. Colors quite variable, ranging from almost black to dark grey and yellowish grey, some intervals slightly greenish. No apparent to slight bioturbation. Core is slightly to moderately frac



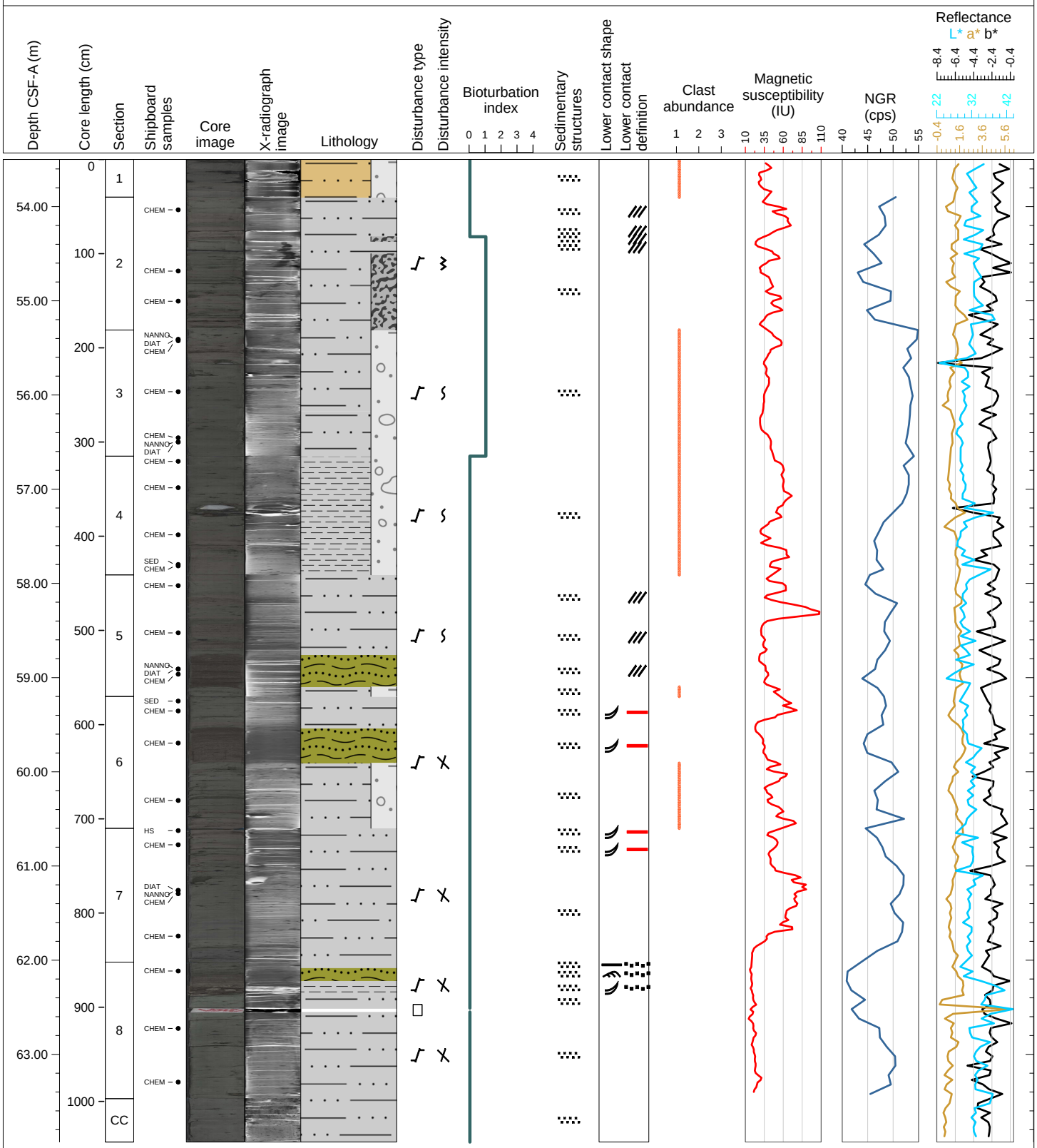
Hole 403-U1620D Core 6H, Interval 44.0-54.88 m (CSF-A)

Soft silty clay mostly with dark patches, some intervals with dispersed clasts. Thin layers of sand and sand patches in several sections. Color ranges from dark grey to dark yellowish grey with some greenish and reddish layers. No apparent to slight biotu



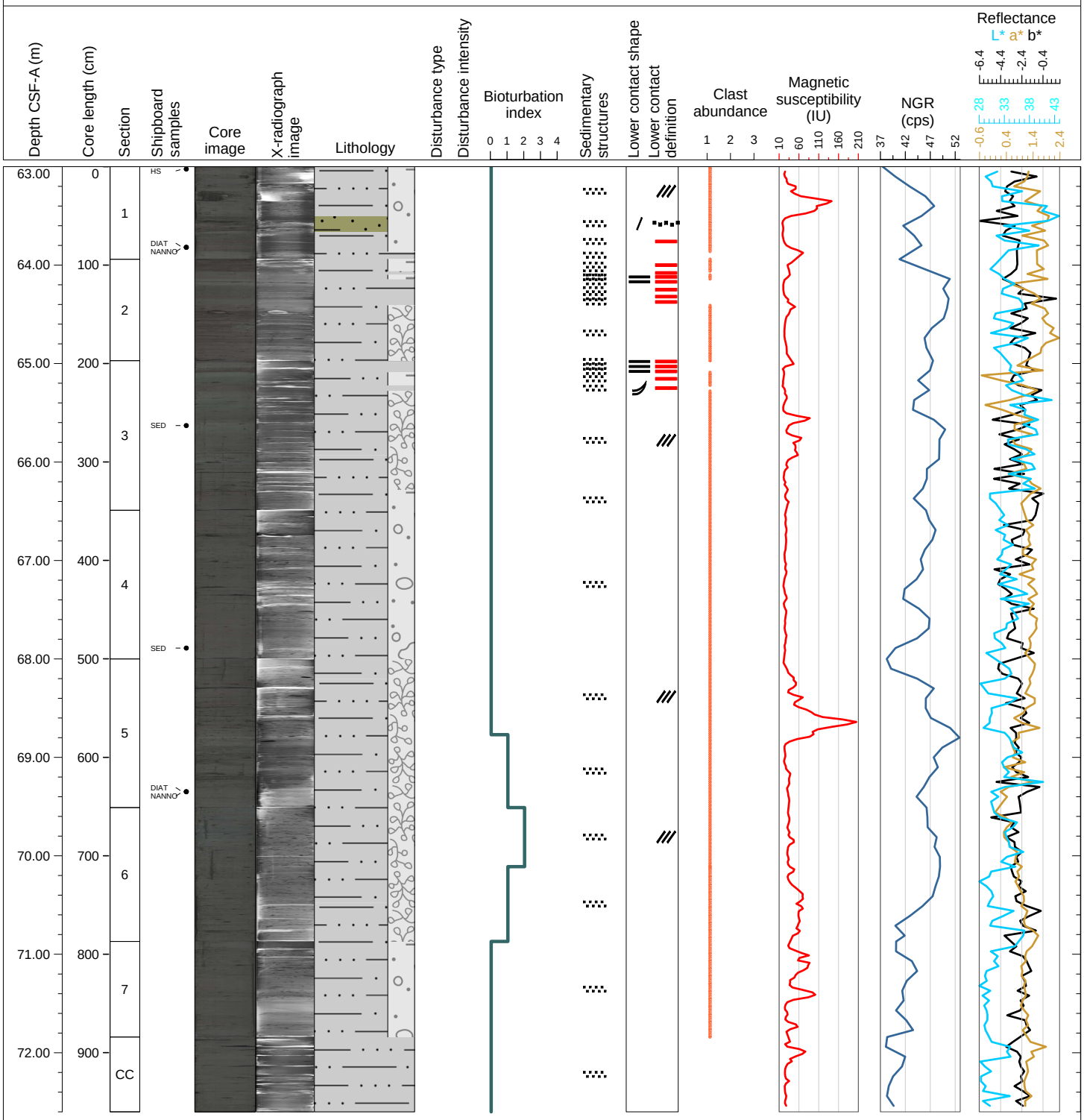
Hole 403-U1620D Core 7H, Interval 53.5-63.93 m (CSF-A)

Soft silty clay, some intervals with dark patches, dispersed clasts or sand patches. Color mostly dark grey with some reddish and yellowish grey intervals. No apparent bioturbation. Core is slightly to moderately, uppermost section strongly disturbed.



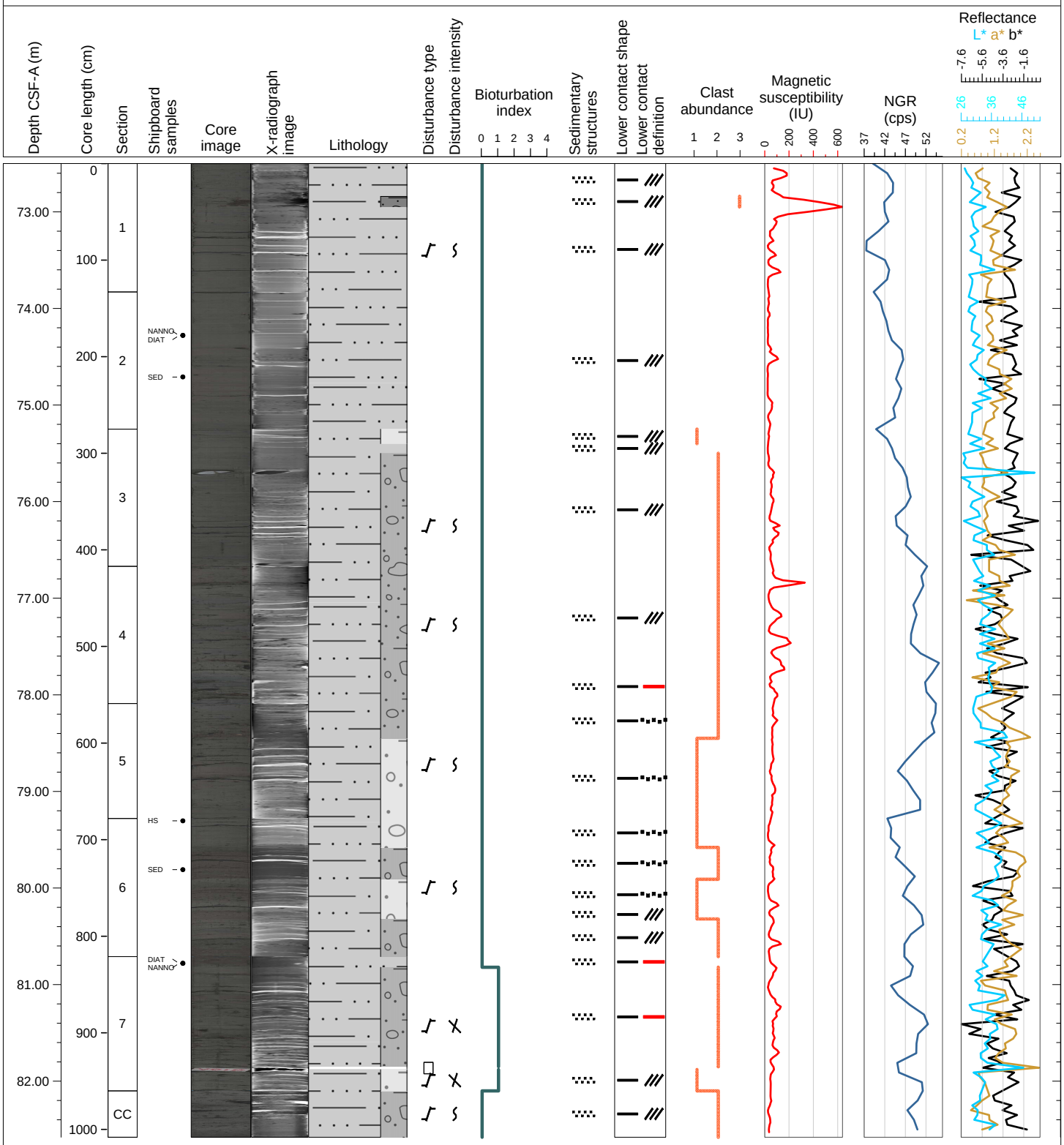
Hole 403-U1620D Core 8H, Interval 63.0-72.6 m (CSF-A)

Primarily silty clay with a 16cm interval of dancy mud in Section 1. There are occasional dark patches and dispersed clasts throughout as well as a 2 cm sized sub angular sandstone at 52-54cm and a green patch at 66-70cm in Section 2. Sediments are struct



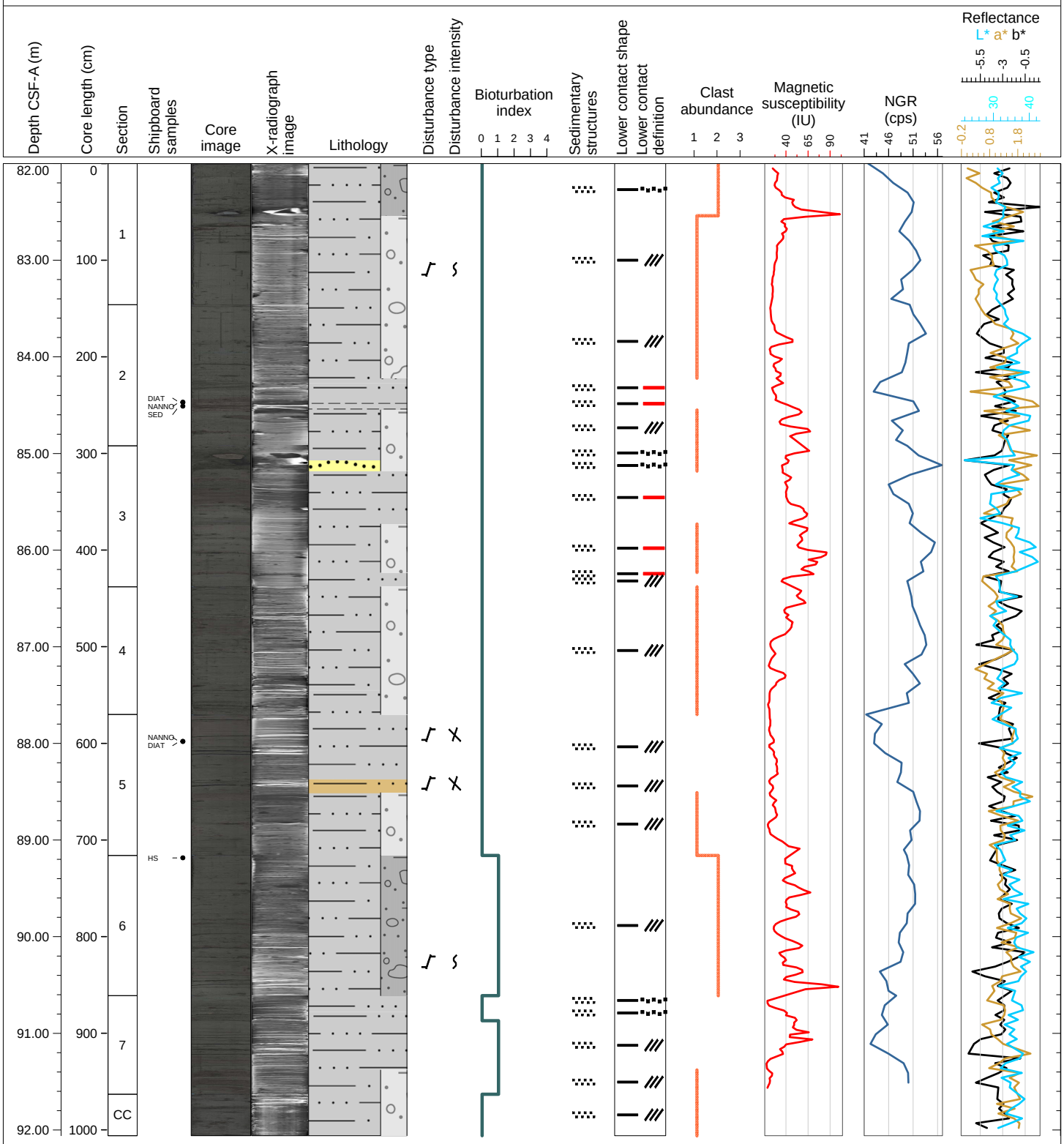
Hole 403-U1620D Core 9H, Interval 72.5-82.58 m (CSF-A)

Silty clay with dispersed to common clasts and a large (3.5cm) clast at 43-48 cm that is likely a fine-grained igneous rock in Section 3. Sediments are structureless and soft with no apparent bioturbation and slight fracturing throughout.



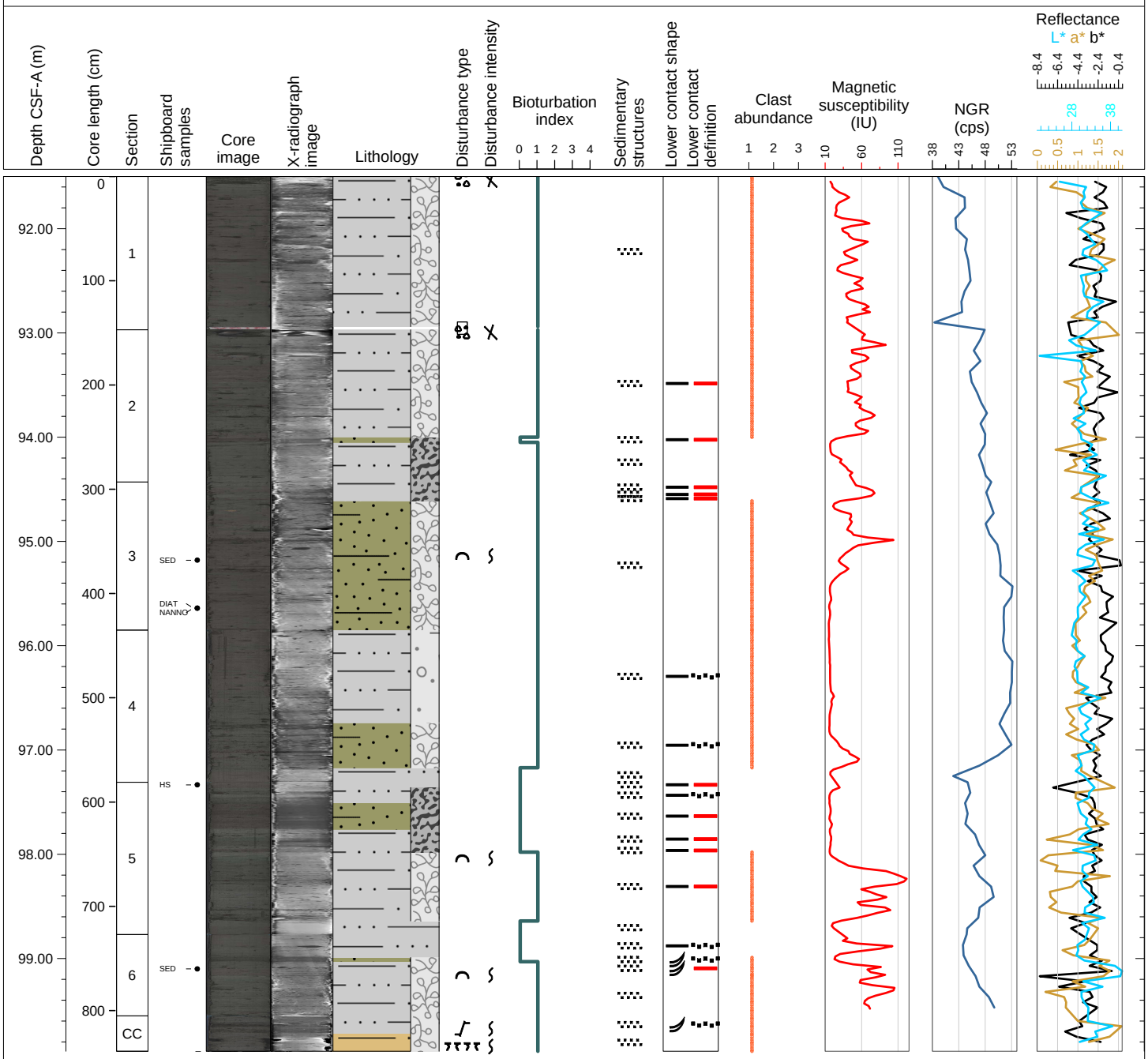
Hole 403-U1620D Core 10H, Interval 82.0-92.06 m (CSF-A)

Primarily silty clay with smaller intervals of clayey silt and clay. There are small (~0.5 cm) inclined and discontinuous coarser-grained layersand a large (~5.5 cm, silt/sandstone) clast at 9-16 cm in Section 2, and small (~0.5 cm) inclined and discontin



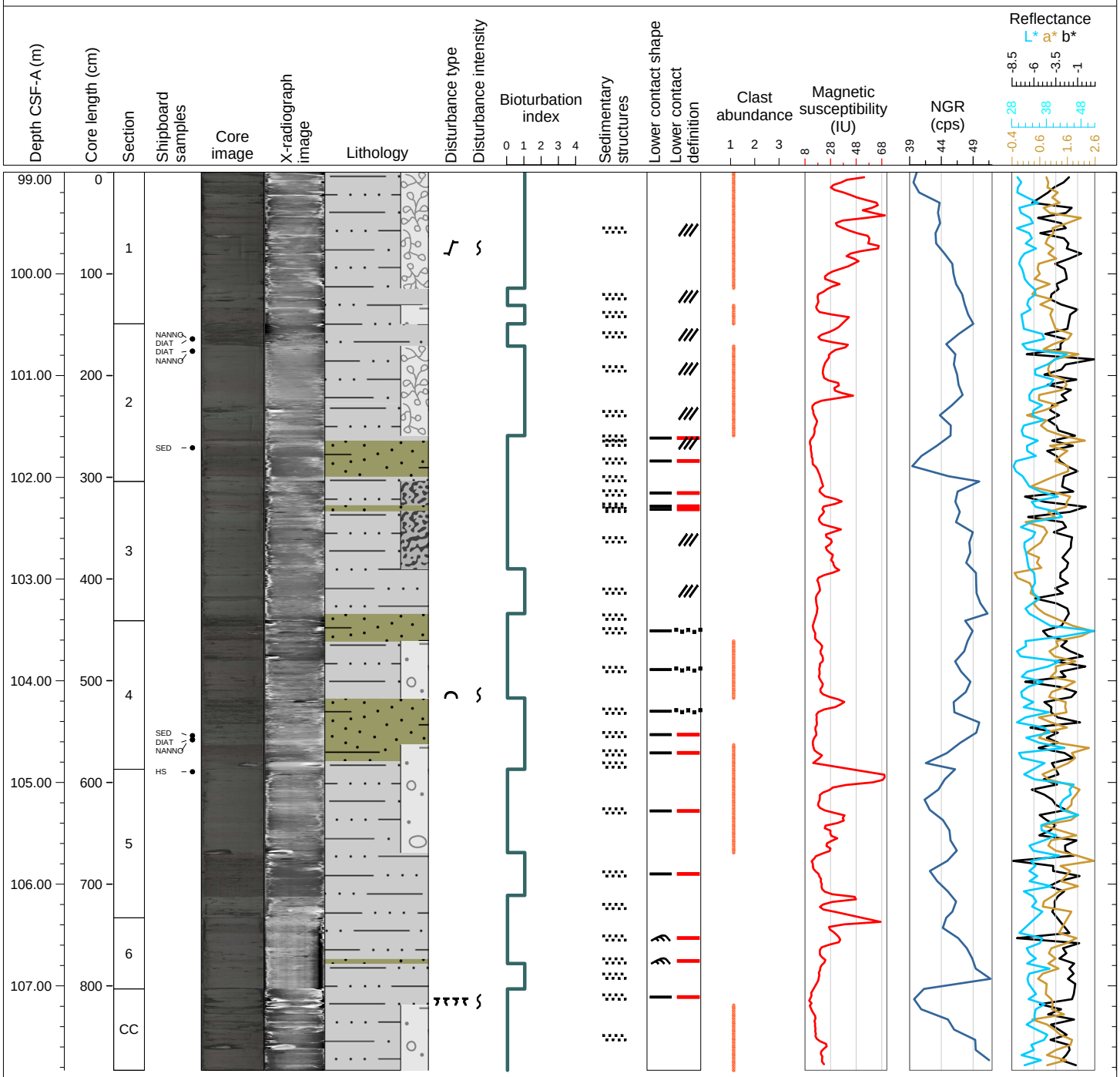
Hole 403-U1620D Core 11X, Interval 91.5-99.89 m (CSF-A)

Soft structureless silty clay with intervals of sandy mud, dark patches and dispersed clasts. There is varying color from dark grey with thin reddish and greenish layers. Little to no bioturbation. The first section contains a soupy upper 10 cm and slight



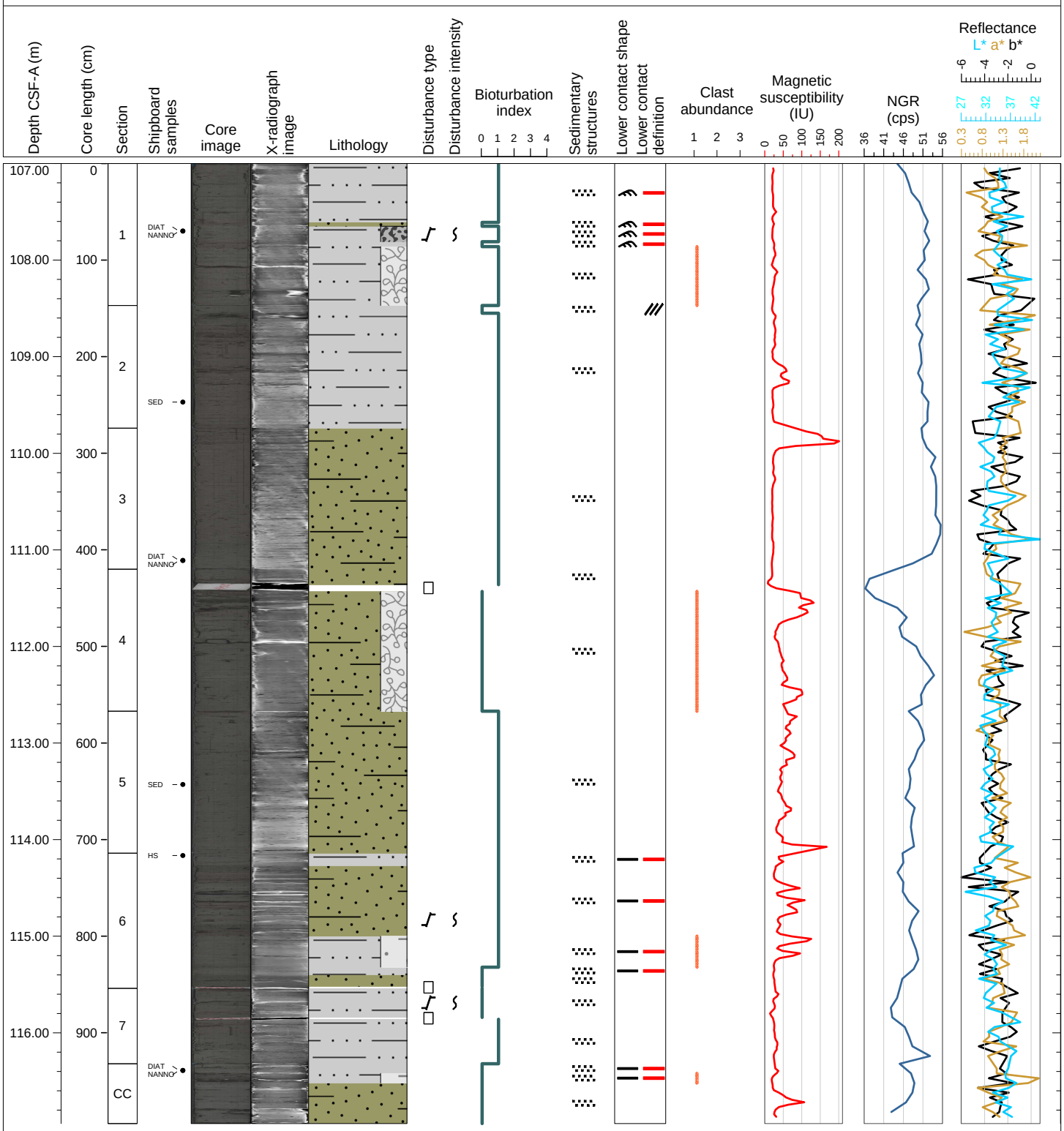
Hole 403-U1620D Core 12X, Interval 99.0-107.83 m (CSF-A)

Soft structureless silty clay with intervals of sandy mud, dark patches, and dispersed clasts. There is varying color from dark grey to thin reddish sandy layers. Little to no bioturbation. Slight up-arching due to drilling occurs in some sections. Three



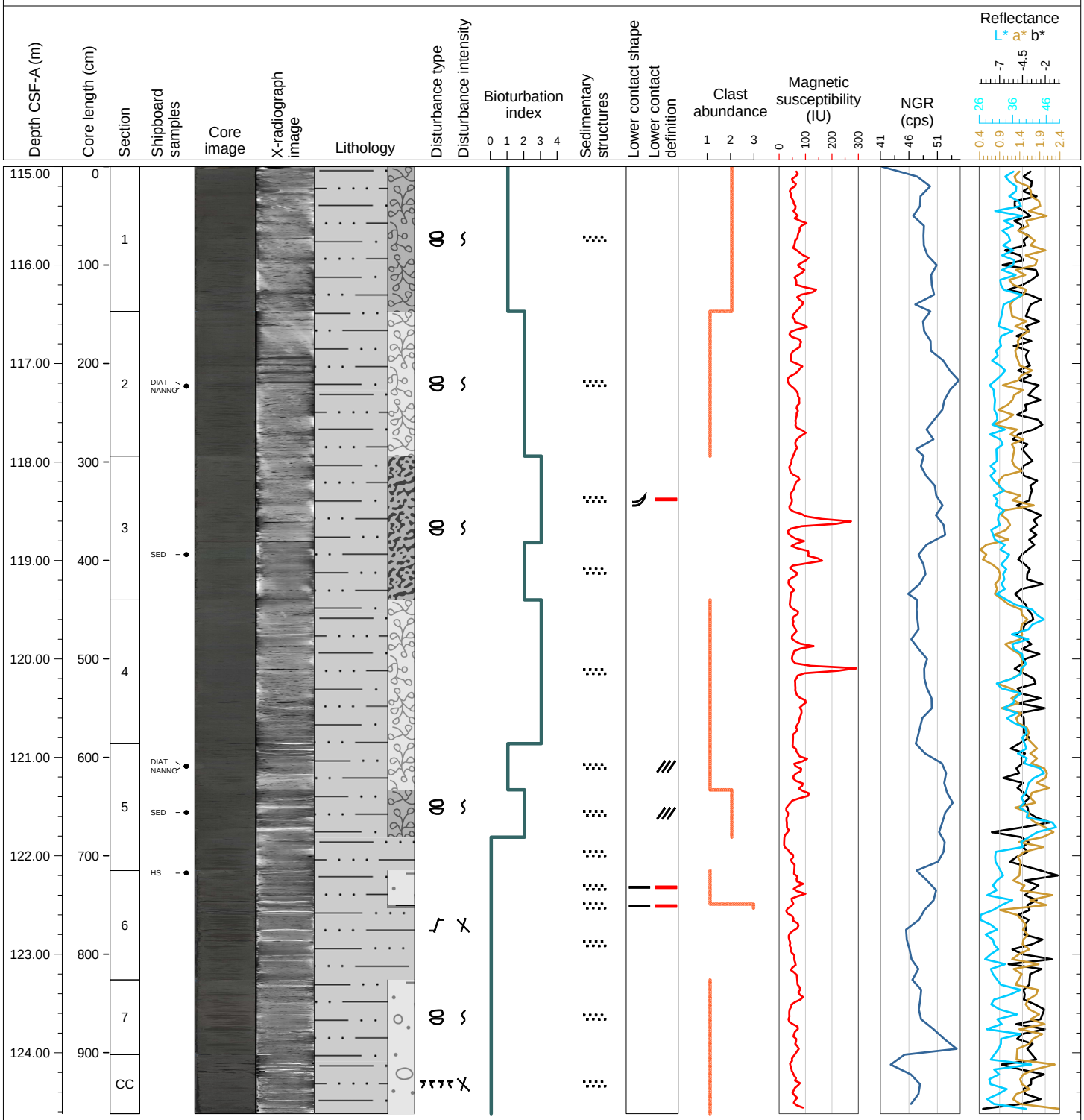
Hole 403-U1620D Core 13X, Interval 107.0-116.94 m (CSF-A)

Soft structureless silty clay with intervals of sandy mud, dark patches, and dispersed clasts. There is varying color from dark grey to thin reddish sandy layers. Little to no bioturbation. Slight fracturing due to drilling occurs in some sections.



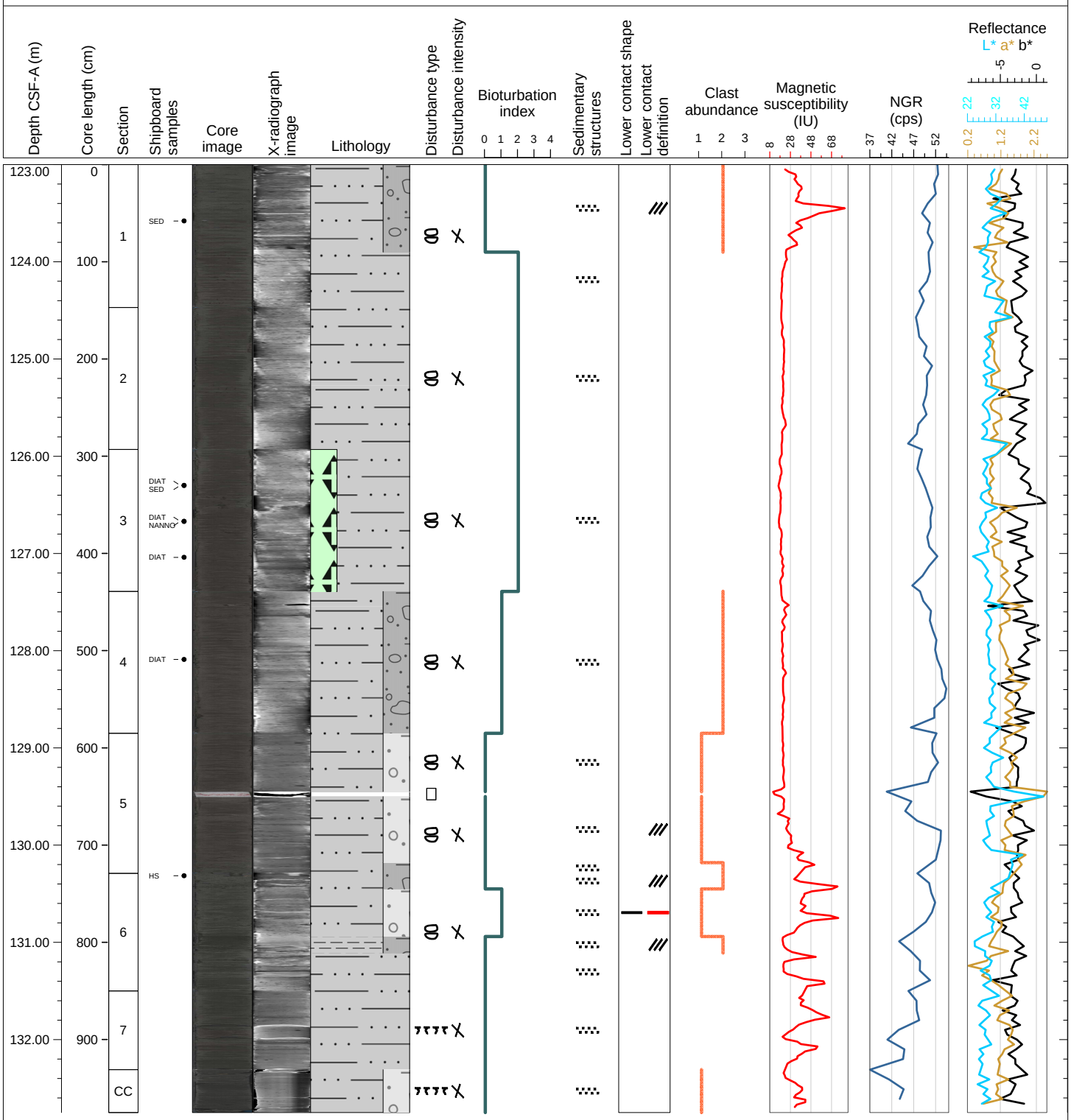
Hole 403-U1620D Core 14X, Interval 115.0-124.62 m (CSF-A)

Firm dark grey structureless silty clay with thin intervals of reddish sand, dark patches, and dispersed to abundant clasts. Heavy to no bioturbation. Slight fracturing and biscuiting due to drilling occurs in some sections.



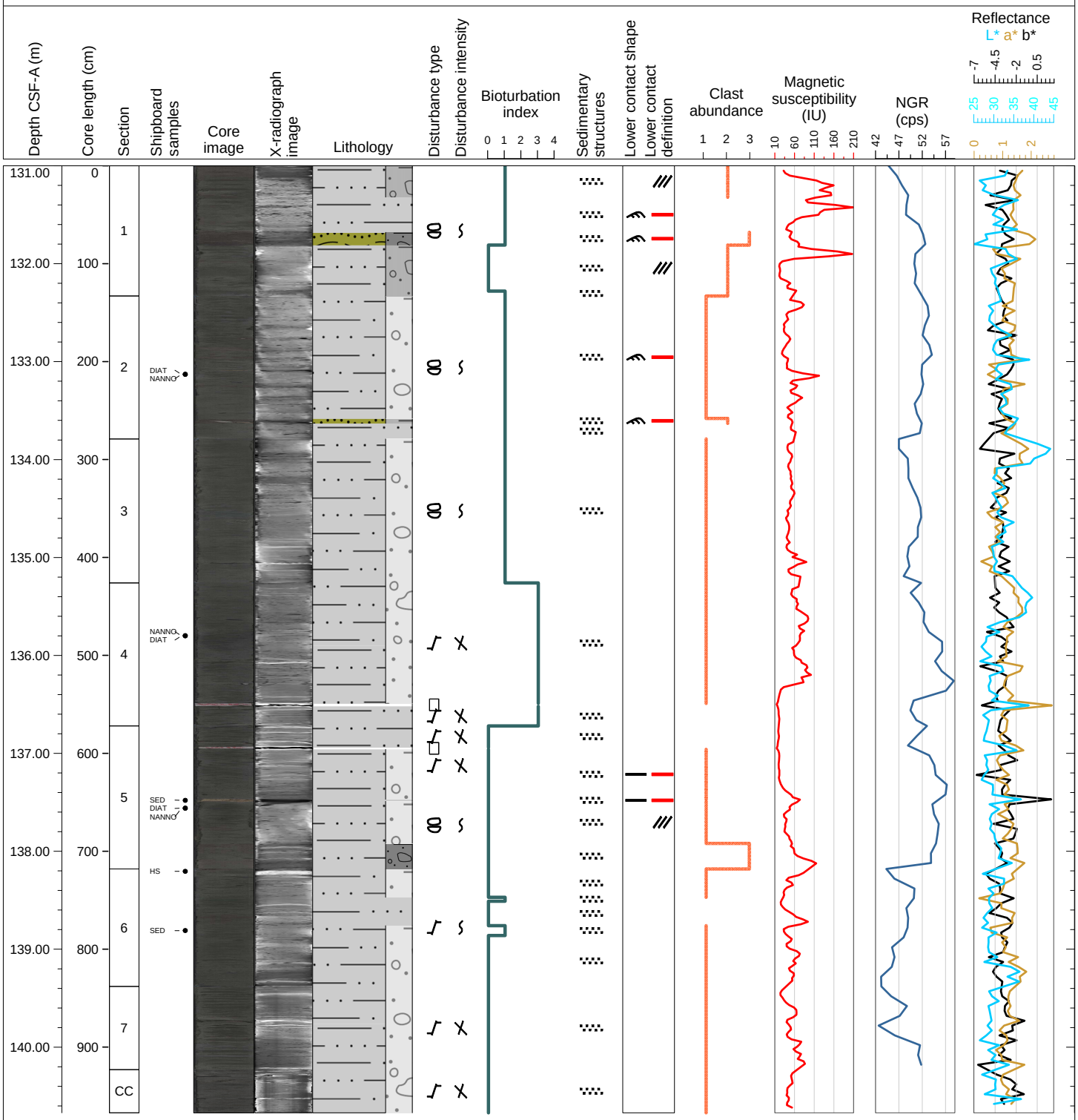
Hole 403-U1620D Core 15X, Interval 123.0-132.75 m (CSF-A)

Firm dark grey structureless silty clay with thin intervals of reddish sand and dispersed to common clasts. Moderate to no bioturbation. Slight fracturing and biscuiting due to drilling occurs in some sections.



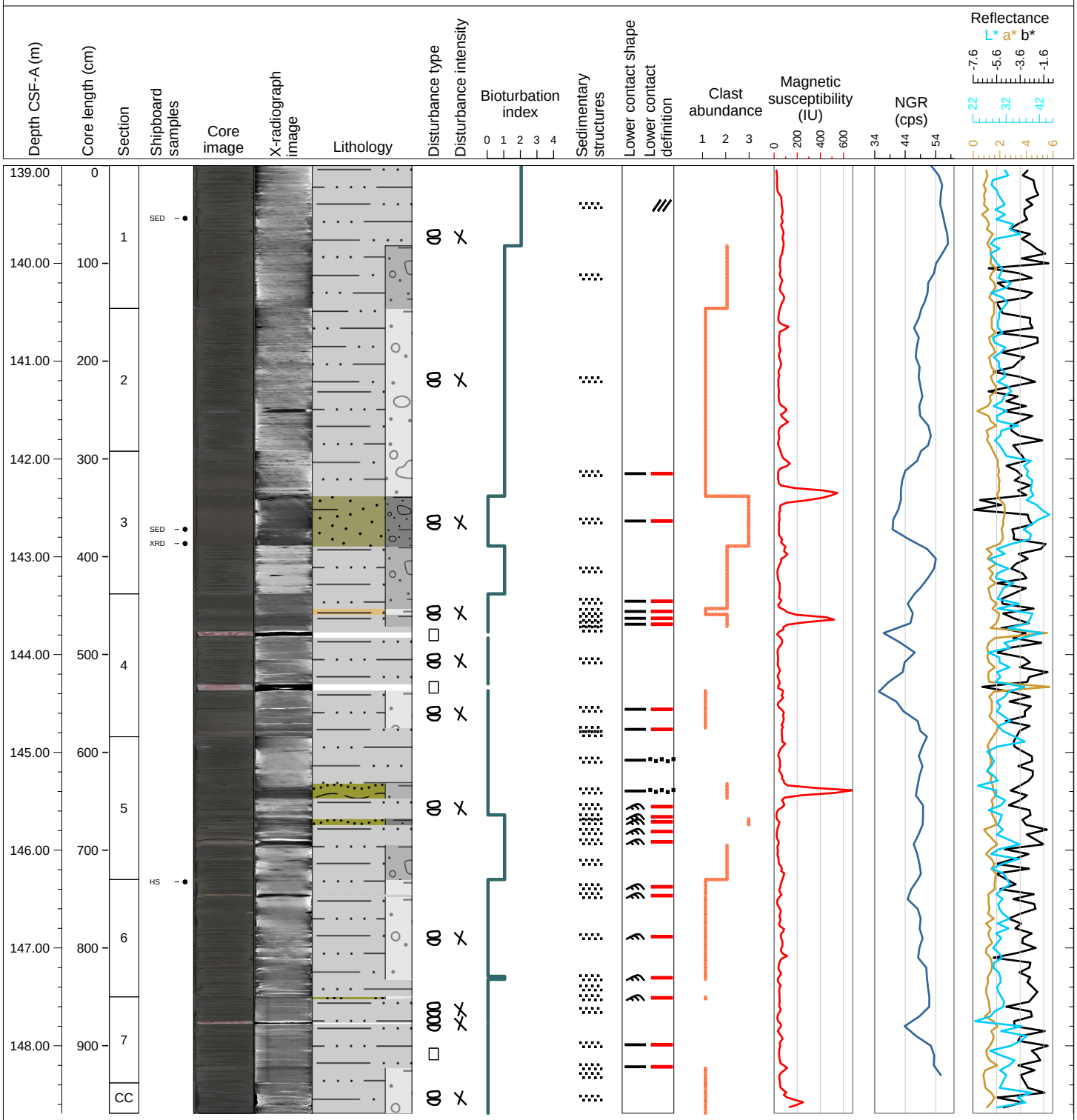
Hole 403-U1620D Core 16X, Interval 131.0-140.67 m (CSF-A)

Firm dark grey structureless silty clay with thin intervals of tan clay sand and dispersed to abundant clasts. Moderate to no bioturbation. Slight fracturing and biscuiting due to drilling occurs in some sections.



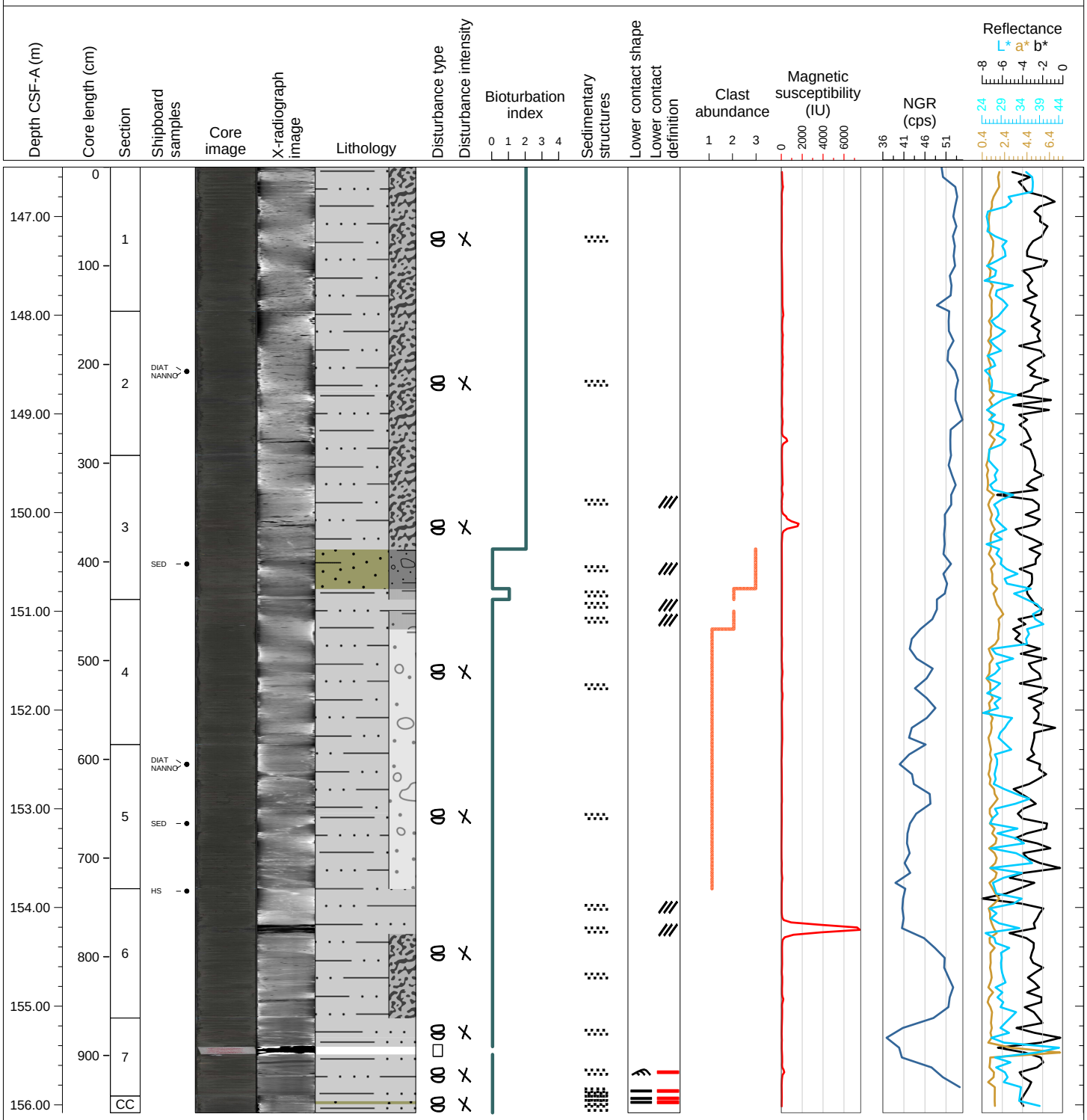
Hole 403-U1620D Core 17X, Interval 139.0-148.69 m (CSF-A)

Firm dark grey structureless silty clay with thin intervals of reddish sand and yellowish clay and dispersed to abundant clasts. Moderate to no bioturbation. Moderate biscuiting due to drilling.



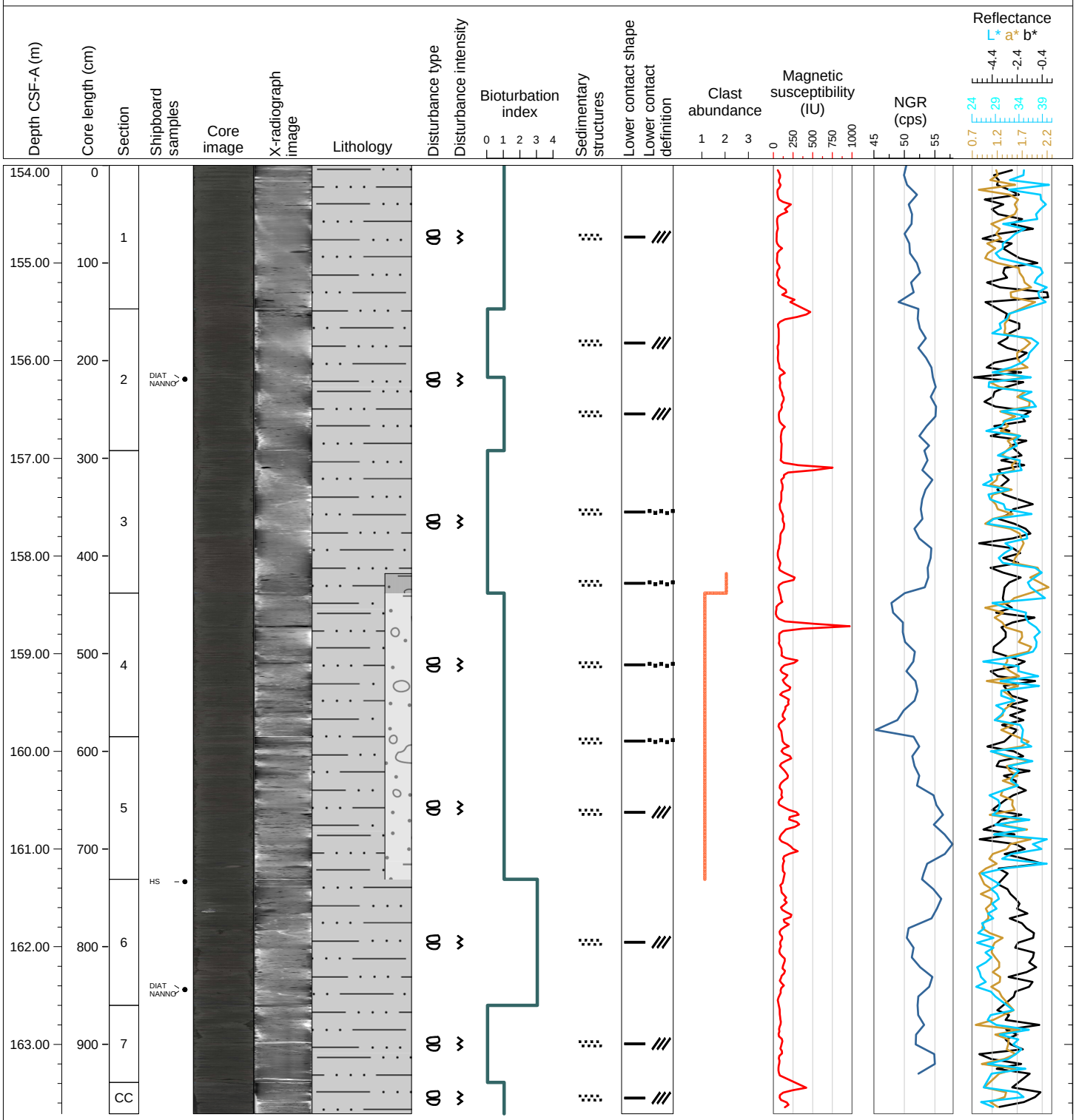
Hole 403-U1620D Core 18X, Interval 146.5-156.08 m (CSF-A)

Firm dark grey structureless silty clay with thin intervals of reddish sand and dispersed to abundant clasts. Moderate to no bioturbation and moderate biscuiting due to drilling.



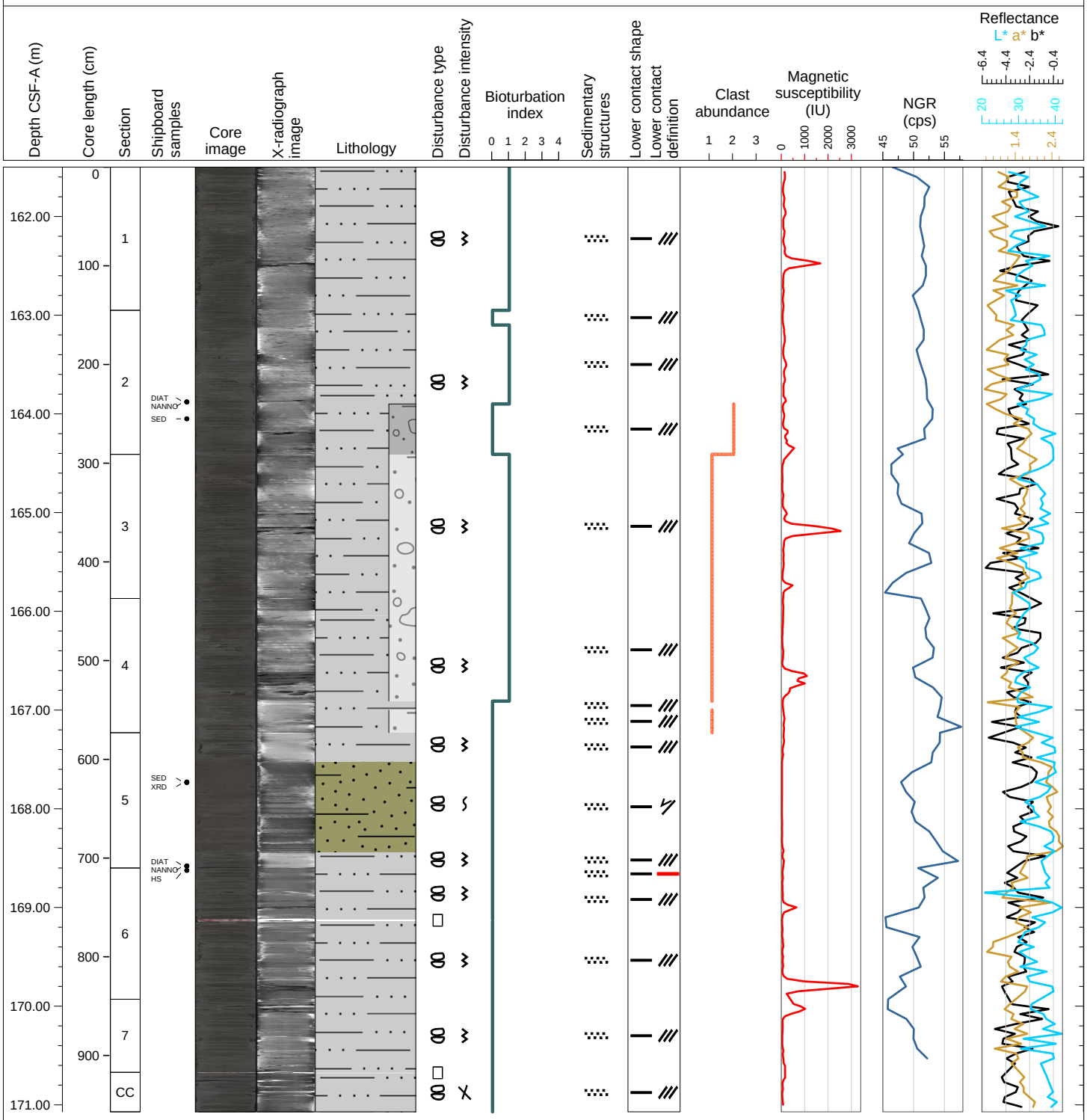
Hole 403-U1620D Core 19X, Interval 154.0-163.71 m (CSF-A)

Silty clay with mostly absent clasts but dispersed to common clasts in Sections 3, 4, and 5. There is a large (3.2cm) clast at 131-135 cm in Section 5 that is likely a sandstone and a 3.7 cm clast located at 30-35 cm in Section 6 that is likely igneous. S



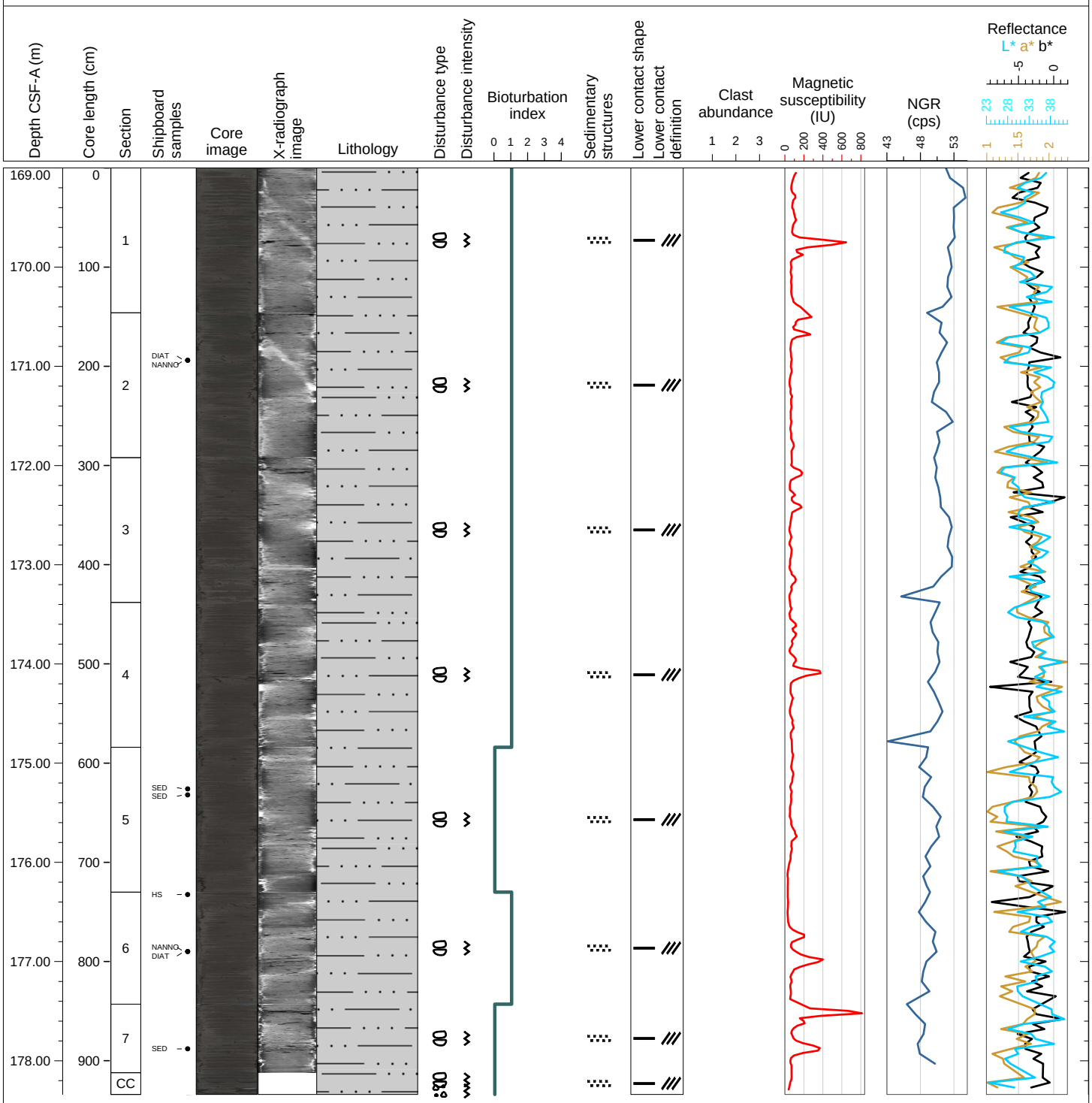
Hole 403-U1620D Core 20X, Interval 161.5-171.07 m (CSF-A)

Primarily silty clay with an interval of reddish sandy mud in Section 5. There are dispersed to common clasts in Sections 2, 3, and 4 and possible faint laminations in Section 4. There is absent to slight bioturbation and sediments are firm, structureless



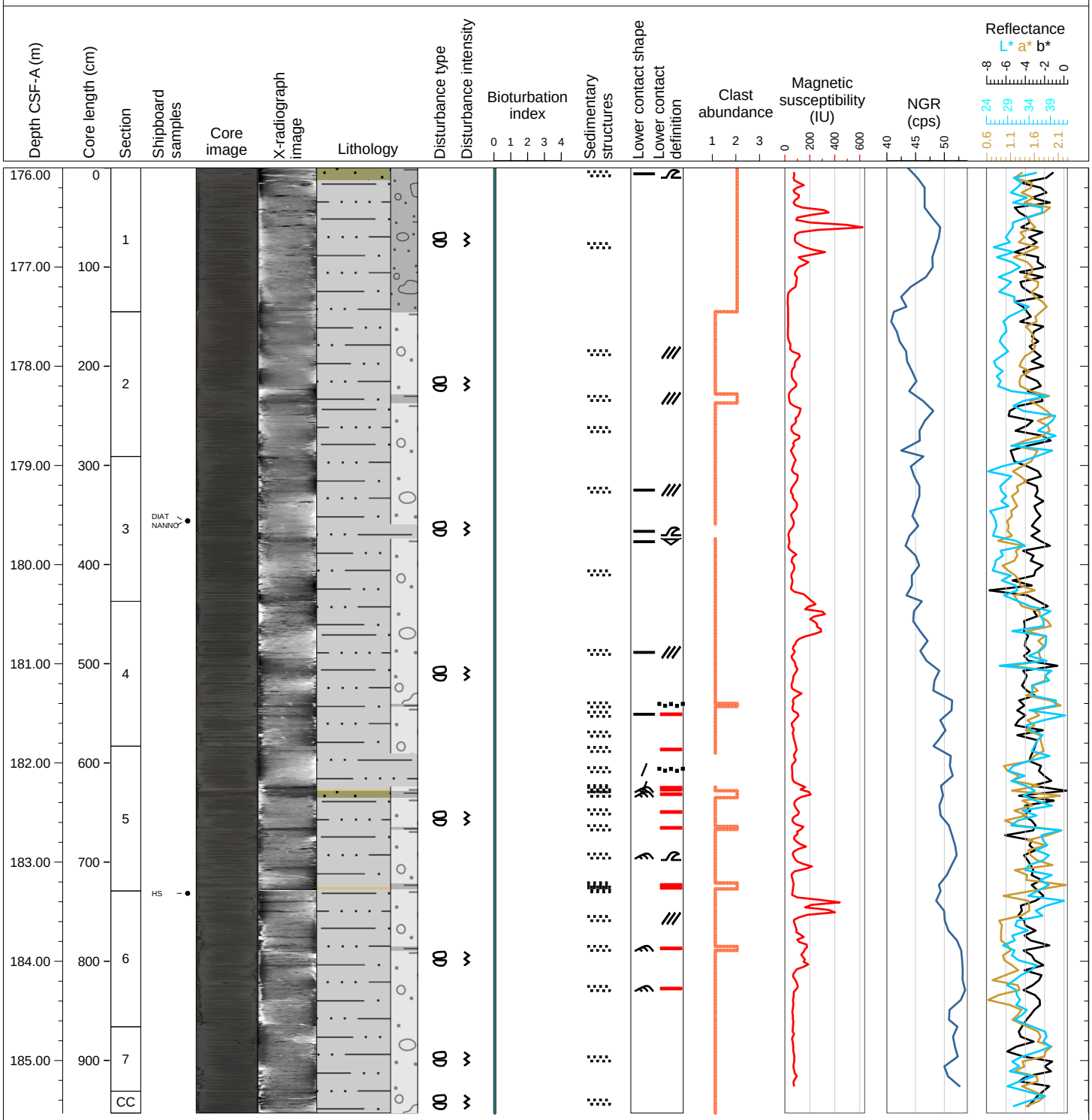
Hole 403-U1620D Core 21X, Interval 169.0-178.34 m (CSF-A)

Dark greenish silty clay with absent to slight bioturbation. Sediments are firm and structureless with heavy biscuiting throughout.



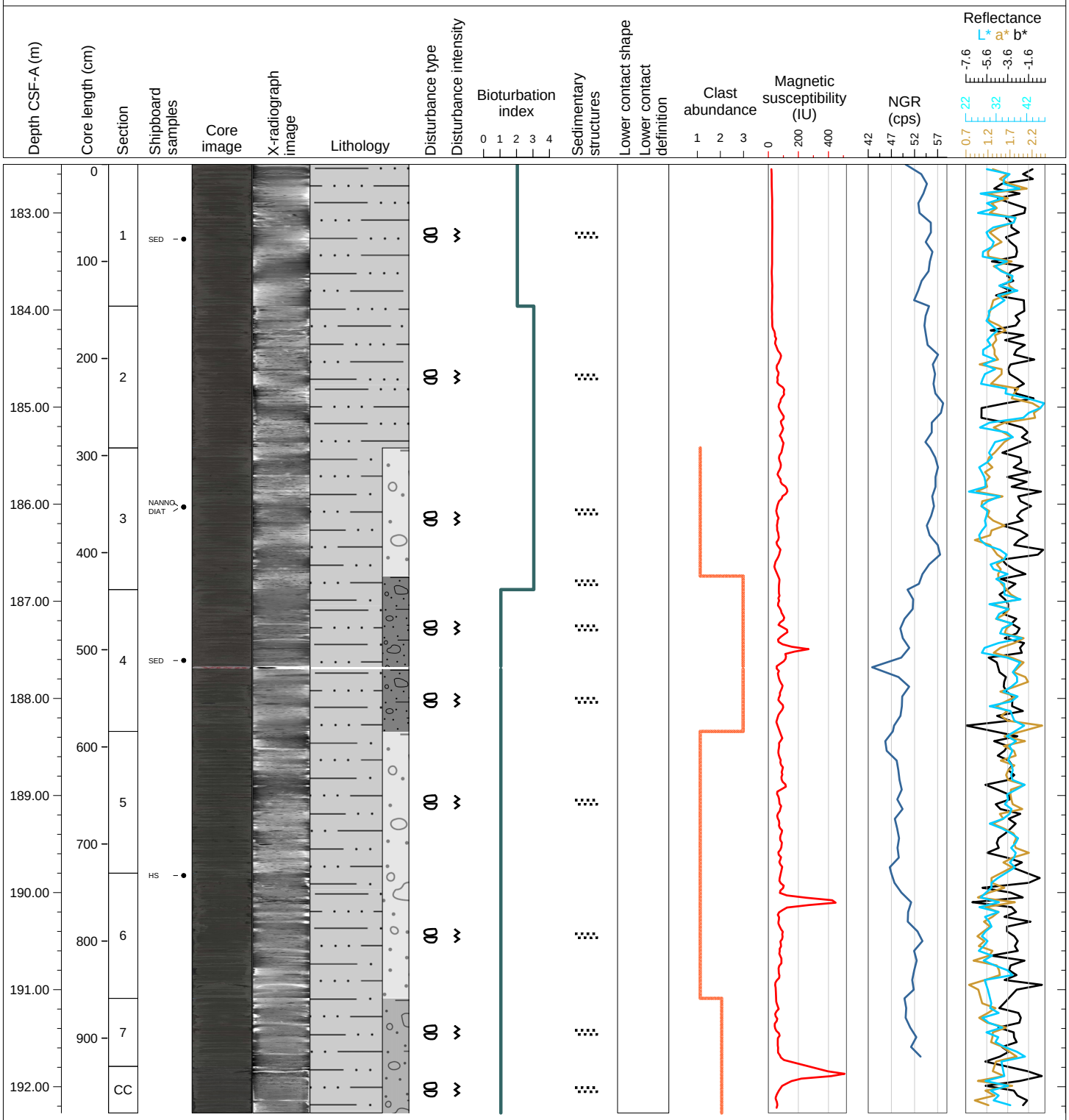
Hole 403-U1620D Core 22X, Interval 176.0-185.53 m (CSF-A)

Primarily silty clay with smaller intervals of sandy mud and clayey silt with many color boundaries and dispersed to common clasts throughout. Sediments are structureless and firm with no apparent bioturbation and strong biscuiting throughout.



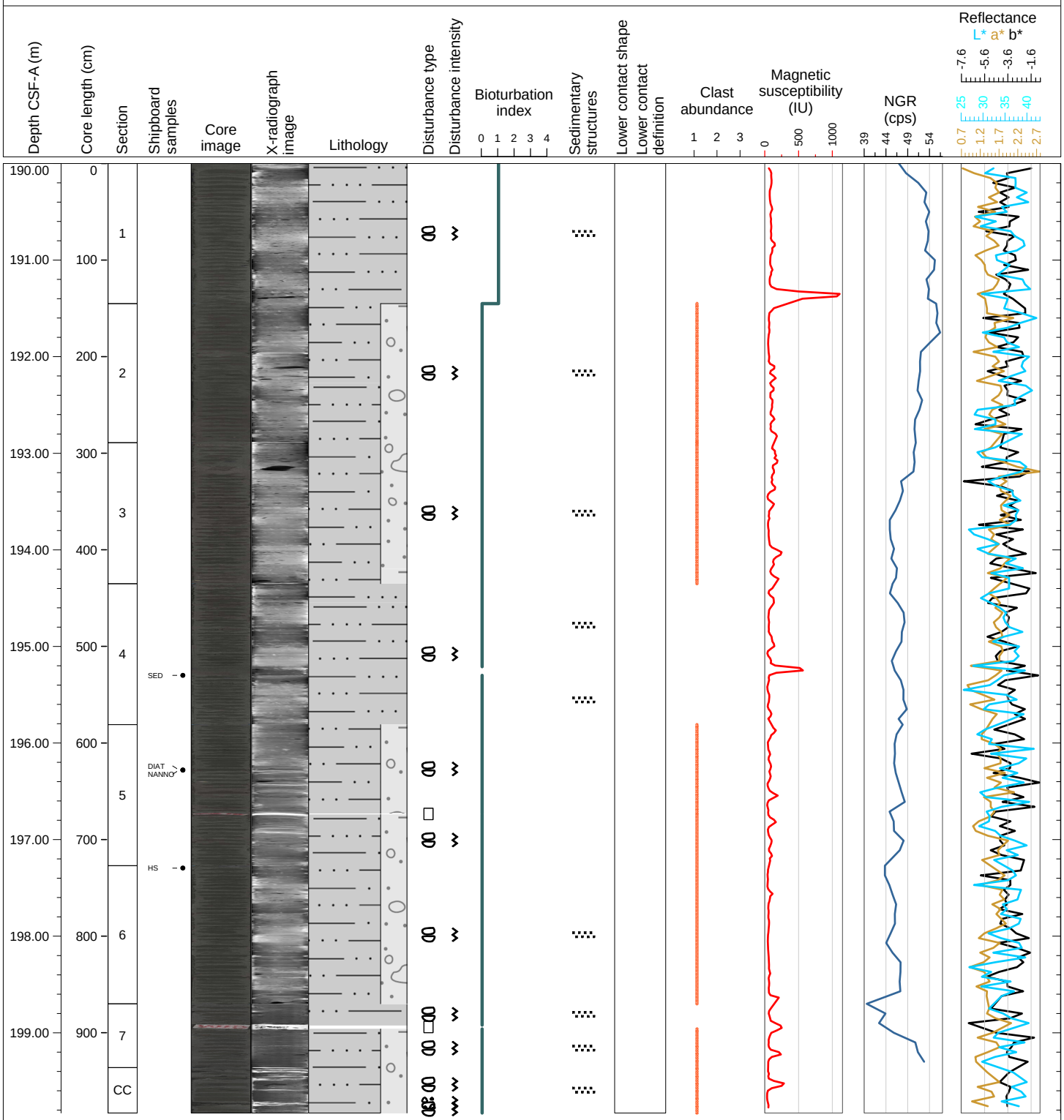
Hole 403-U1620D Core 23X, Interval 182.5-192.27 m (CSF-A)

Silty clay with dispersed to abundant clasts and abundant authigenic iron sulfide formation throughout. Sediments are structureless and firm with absent to heavy bioturbation and strong biscuiting throughout.



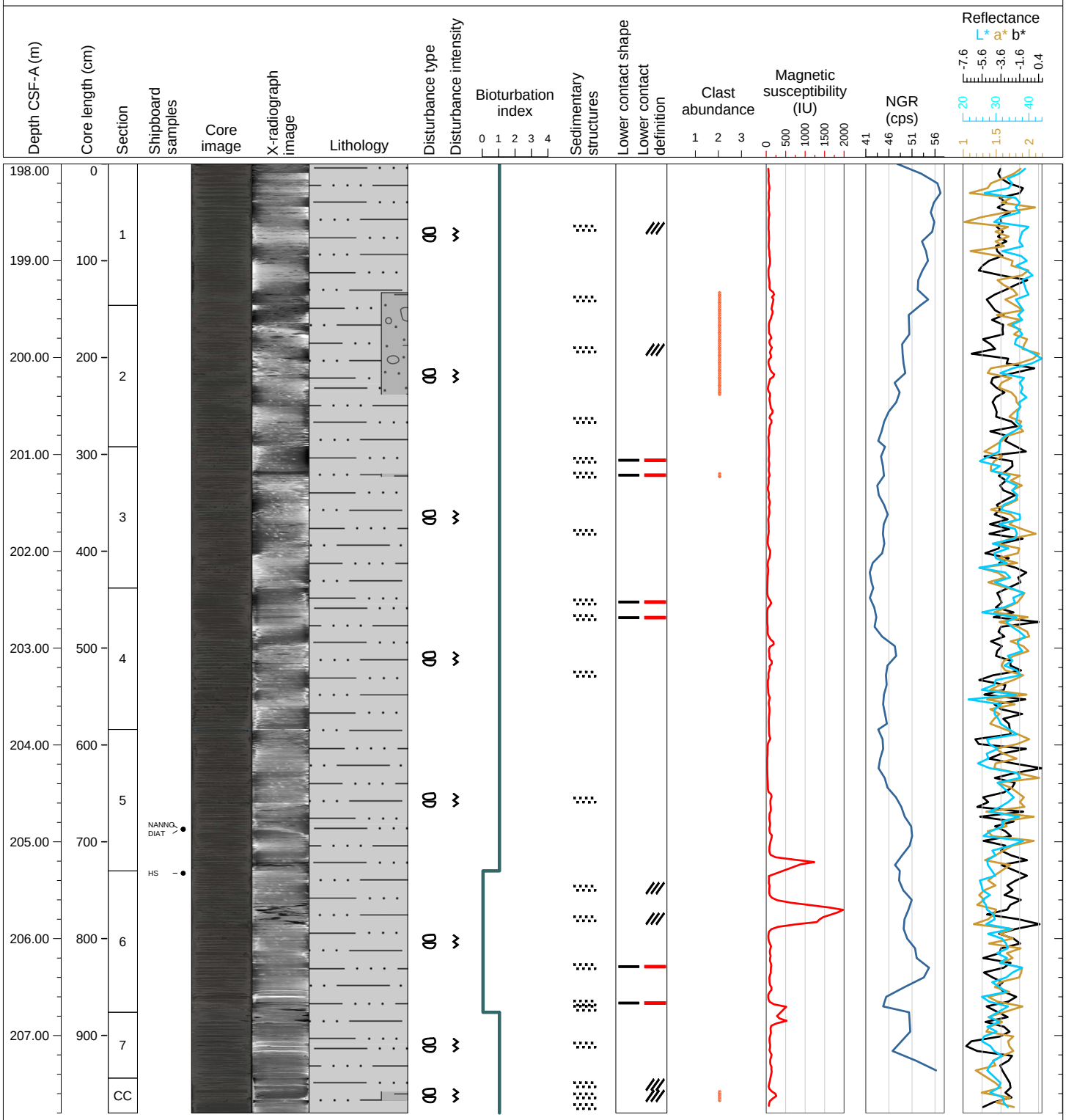
Hole 403-U1620D Core 24X, Interval 190.0-199.83 m (CSF-A)

Silty clay with dispersed clasts and abundant authigenic iron oxide formation throughout. Sediments are firm and generally structureless other than very faint, thin laminations in Section 5. There is no apparent bioturbation and sediments are strongly bis



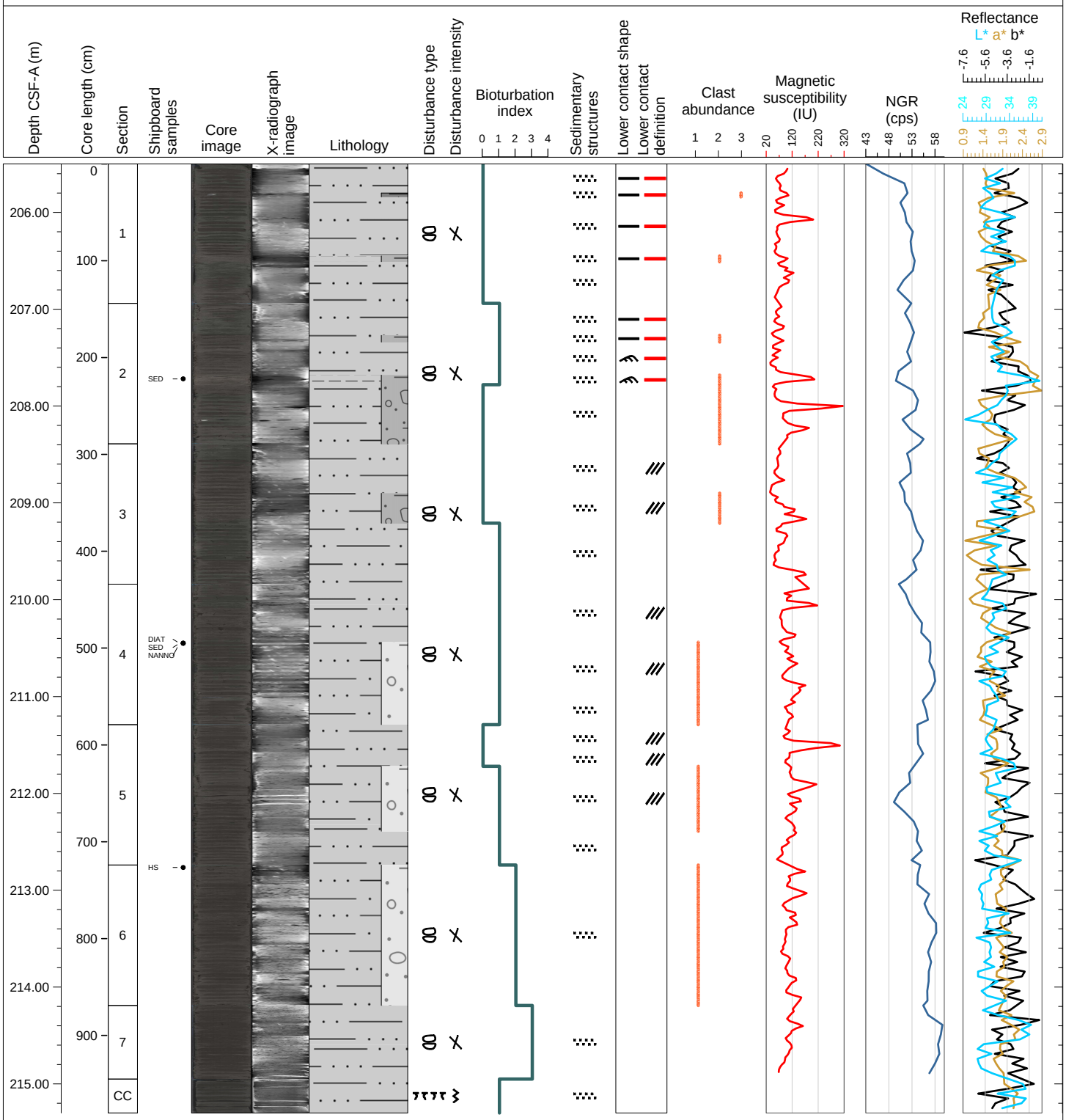
Hole 403-U1620D Core 25X, Interval 198.0-207.8 m (CSF-A)

Silty clay with abundant authigenic iron oxide formation throughout. Sediments are firm and mostly structureless other than very faint, thin laminations in Section 6. There is absent bioturbation and strong biscuiting throughout.



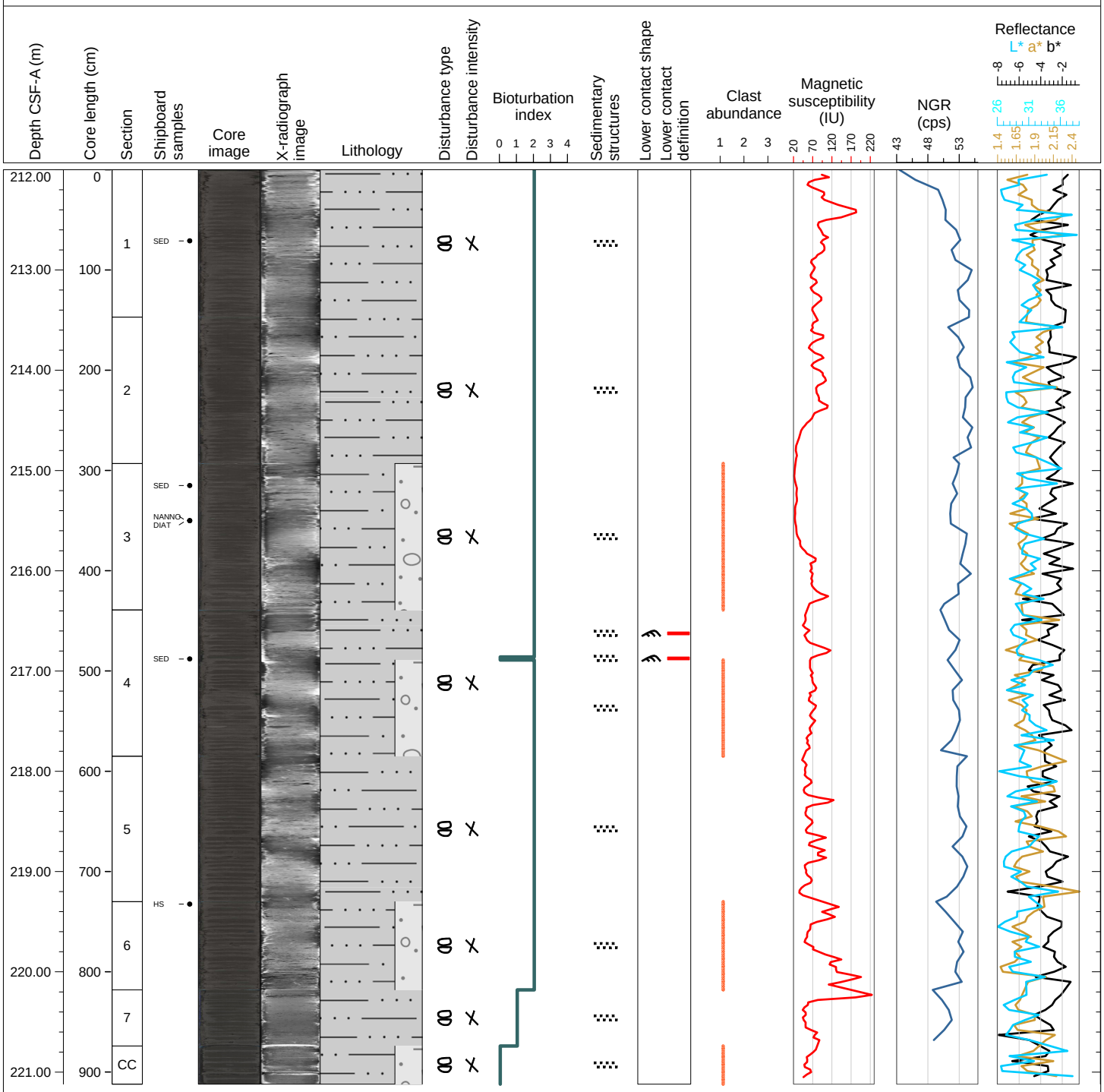
Hole 403-U1620D Core 26X, Interval 205.5-215.3 m (CSF-A)

Firm dark grey structureless silty clay with thin intervals of red and yellowish clay and dispersed to abundant clasts. Heavy to no bioturbation and moderate biscuiting and fragmentation due to drilling.



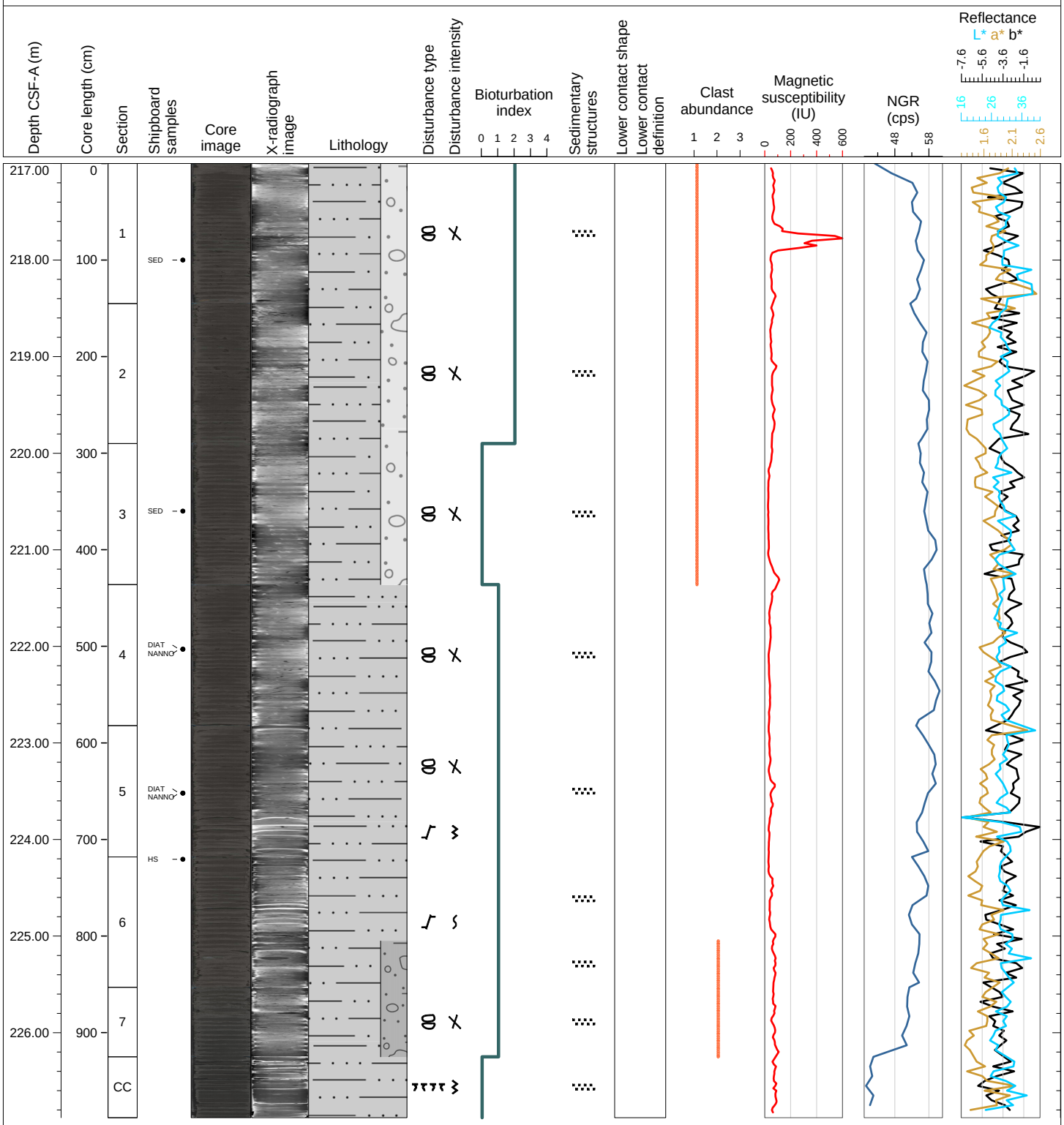
Hole 403-U1620D Core 27X, Interval 212.0-221.12 m (CSF-A)

Firm dark grey structureless silty clay with dispersed clasts. Moderate to no bioturbation and moderate biscuiting due to drilling.



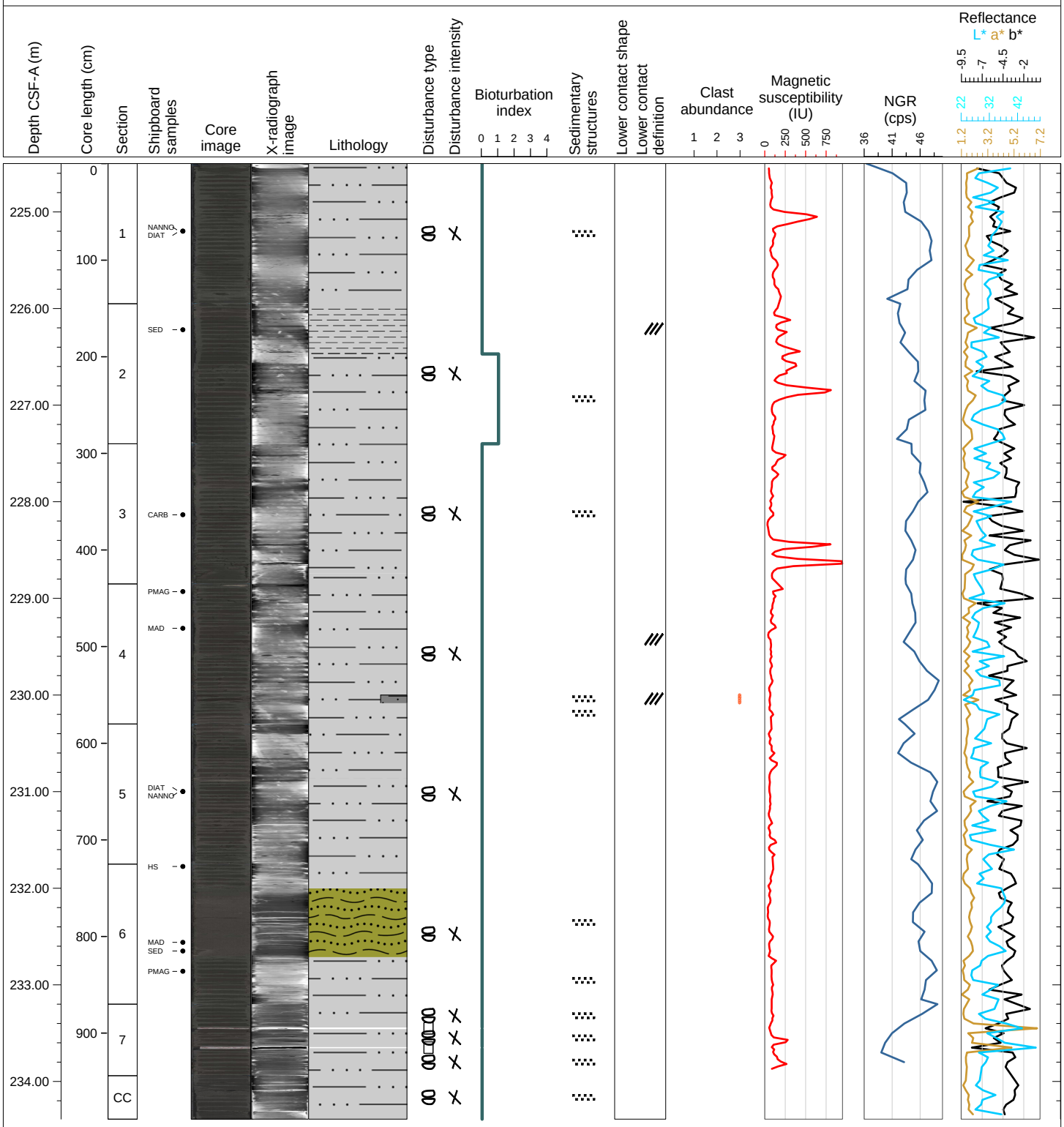
Hole 403-U1620D Core 28X, Interval 217.0-226.88 m (CSF-A)

Firm dark grey structureless silty clay with dispersed to common clasts. Moderate to no bioturbation and moderate biscuiting and strong fragmentation due to drilling.



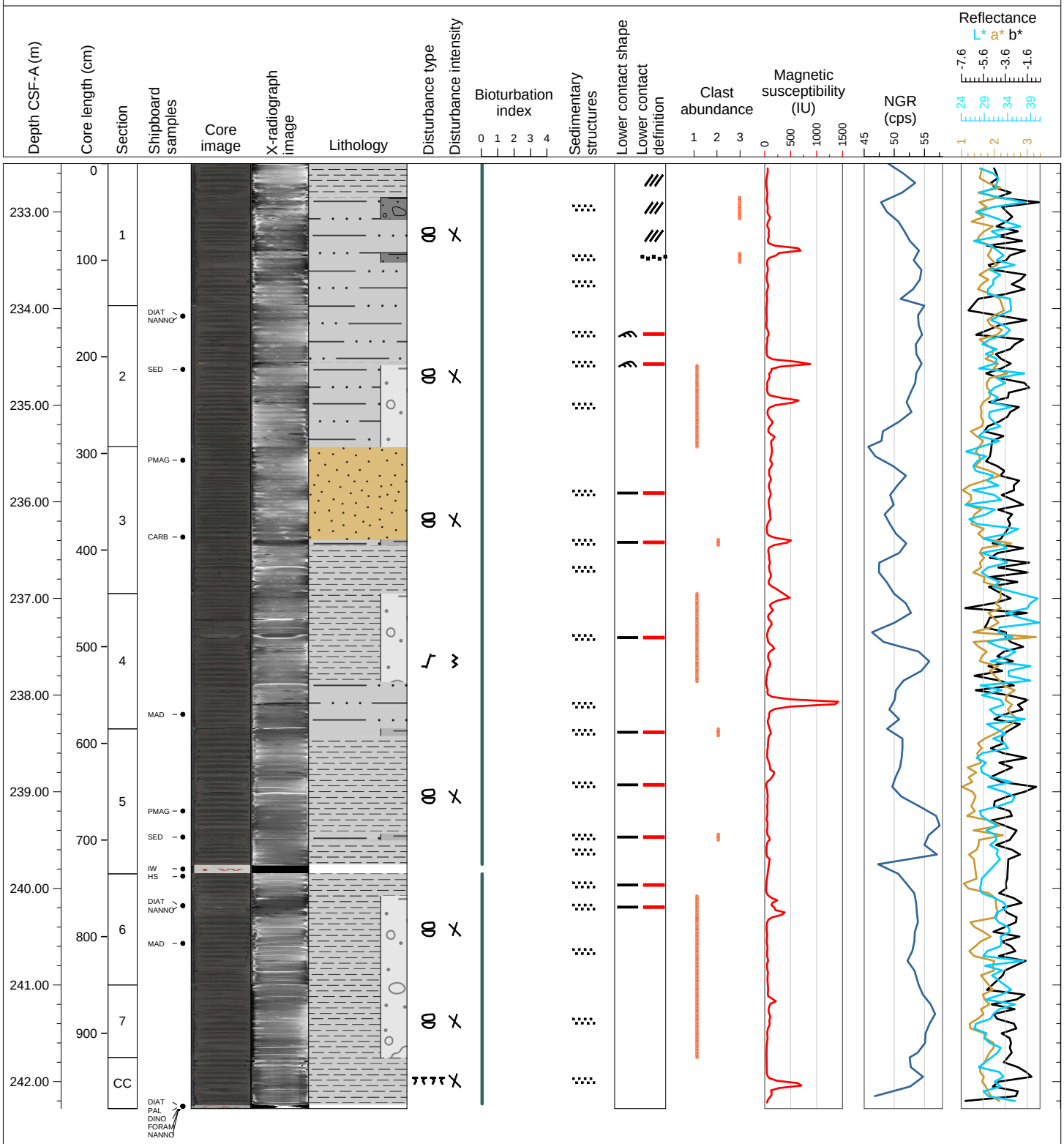
Hole 403-U1620D Core 29X, Interval 224.5-234.39 m (CSF-A)

Firm dark grey structureless silty clay with intervals of thin laminations of light tan and a coarse light grey interval in section 6. No bioturbation and moderate biscuiting due to drilling.



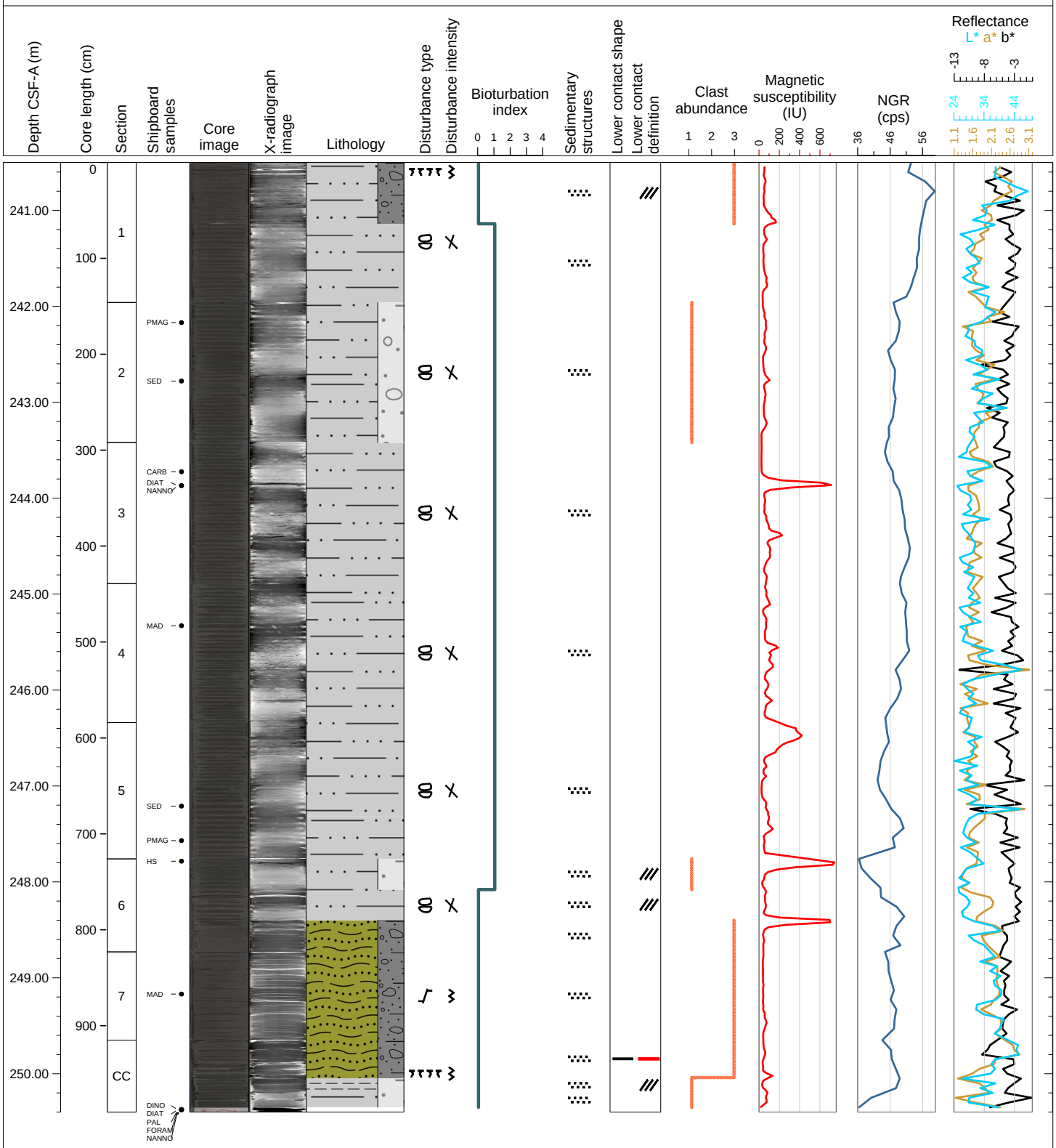
Hole 403-U1620D Core 30X, Interval 232.5-242.28 m (CSF-A)

Firm dark grey structureless clay with intervals of reddish silty clay and a tan clay interval in section 6. No bioturbation and moderate biscuiting and fragmentation due to drilling.



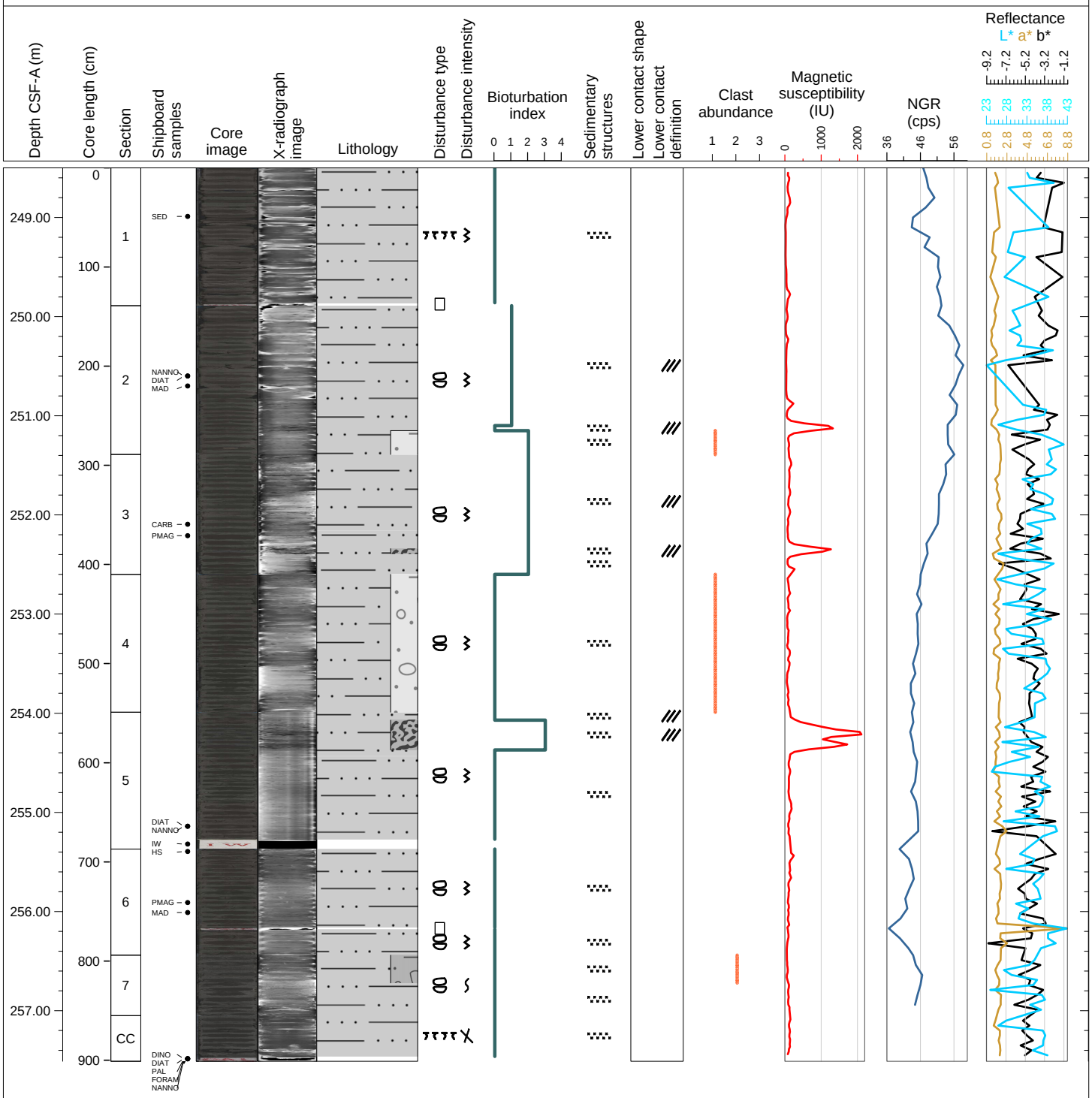
Hole 403-U1620D Core 31X, Interval 240.5-250.4 m (CSF-A)

Firm dark grey structureless clay with intervals of reddish and yellowish clay in core catcher. Little to no bioturbation and moderate biscuiting and strong fragmentation due to drilling.



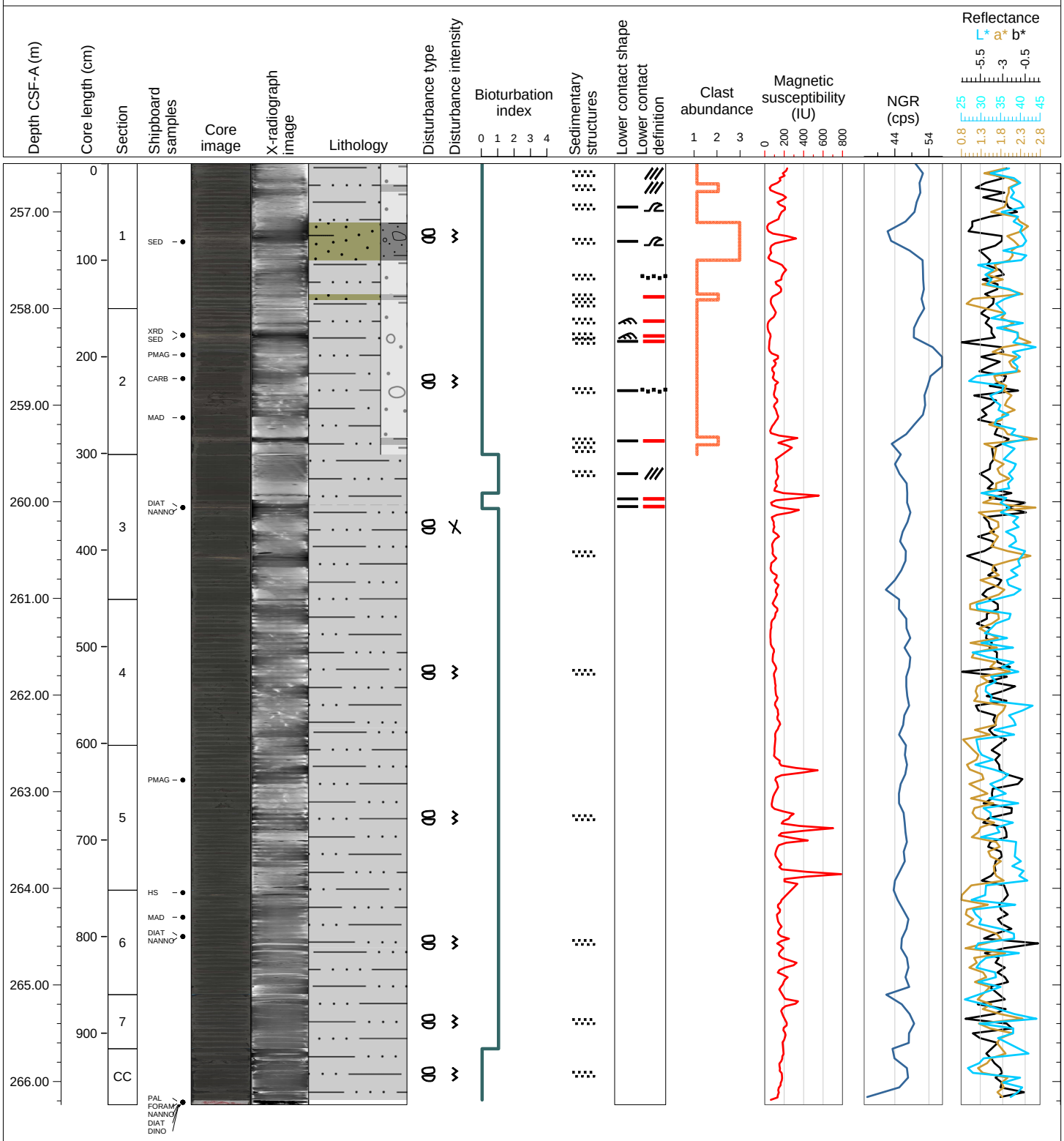
Hole 403-U1620D Core 32X, Interval 248.5-257.51 m (CSF-A)

Firm dark grey structureless silty clay with dispersed to common clasts. Heavy to slight bioturbation. Strong biscuiting and fragmentation occur throughout all sections.



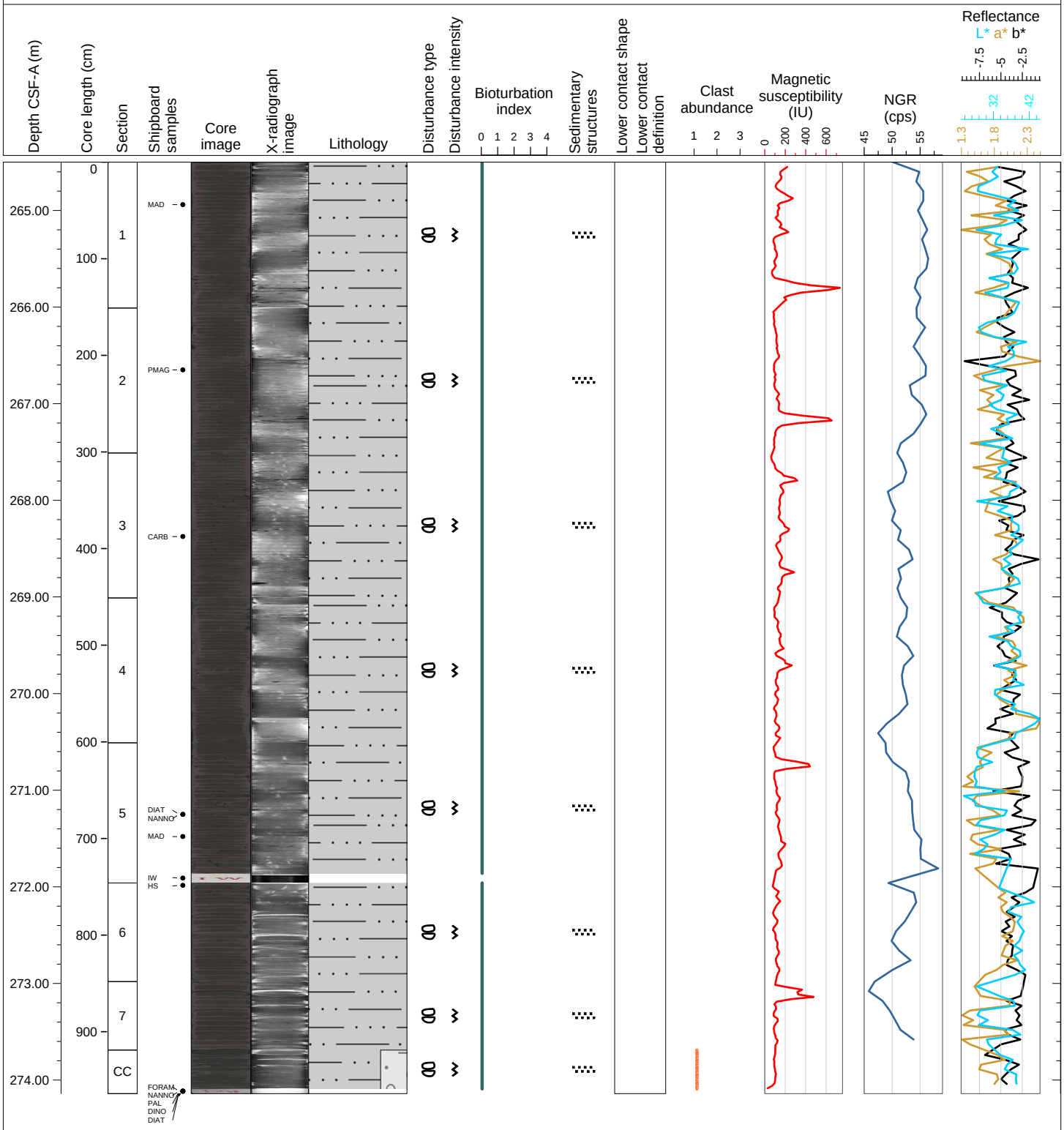
Hole 403-U1620D Core 33X, Interval 256.5-266.24 m (CSF-A)

Primarily silty clay with smaller intervals of sandy mud and clay with dispersed to common clasts in the top 2 Sections. There is a clay patch from 106-108cm in Section 3, many layers of iron sulfide grains in Section 5, and clay patches from 5-6cm in Sec



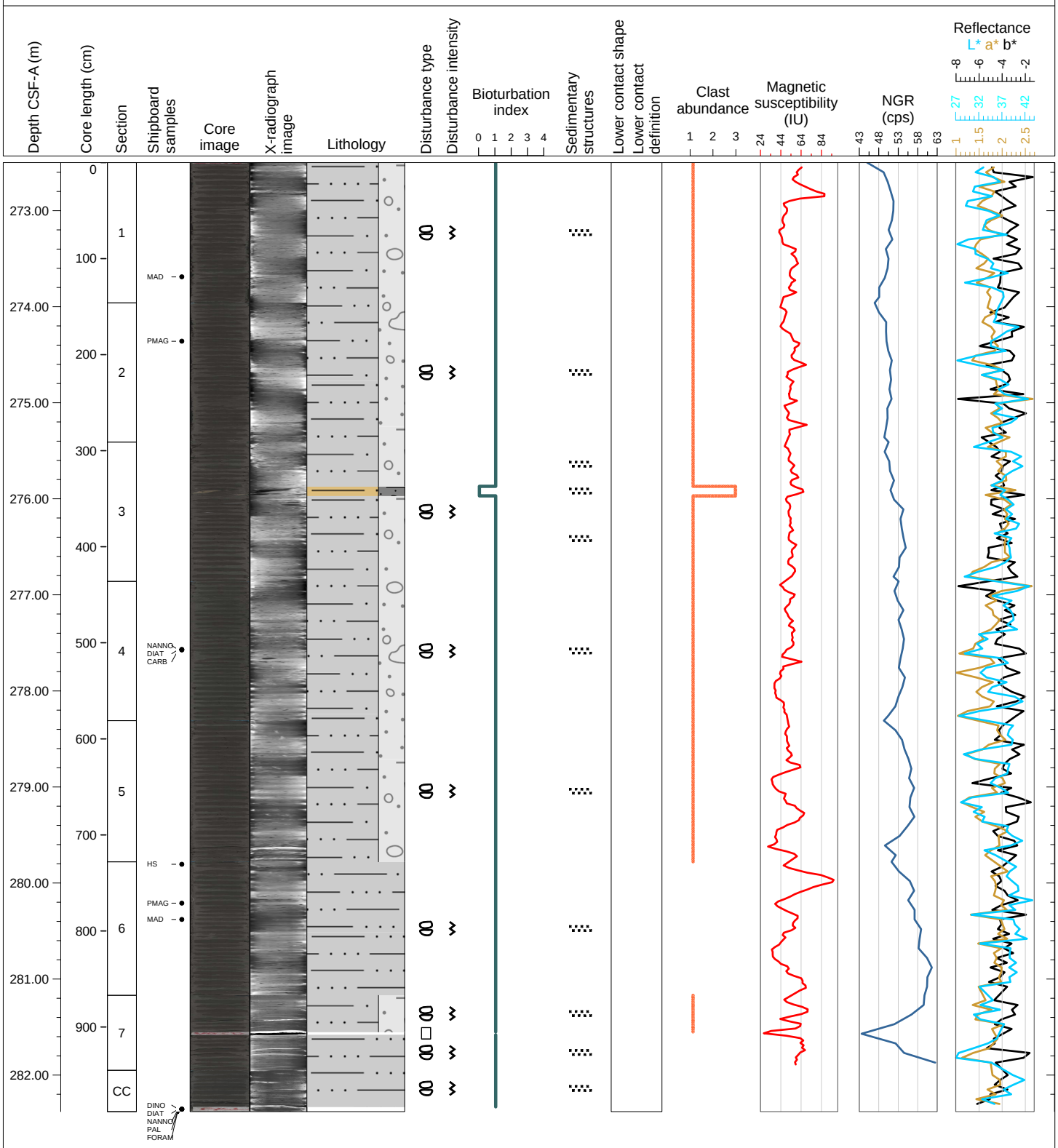
Hole 403-U1620D Core 34X, Interval 264.5-274.14 m (CSF-A)

Silty clay with dispersed clasts in the core catcher and abundant iron sulfide formation throughout. There is a 2cm tan clast at 134cm in Section 3. Sediments are hard and structureless with no apparent bioturbation and strong biscuiting throughout.



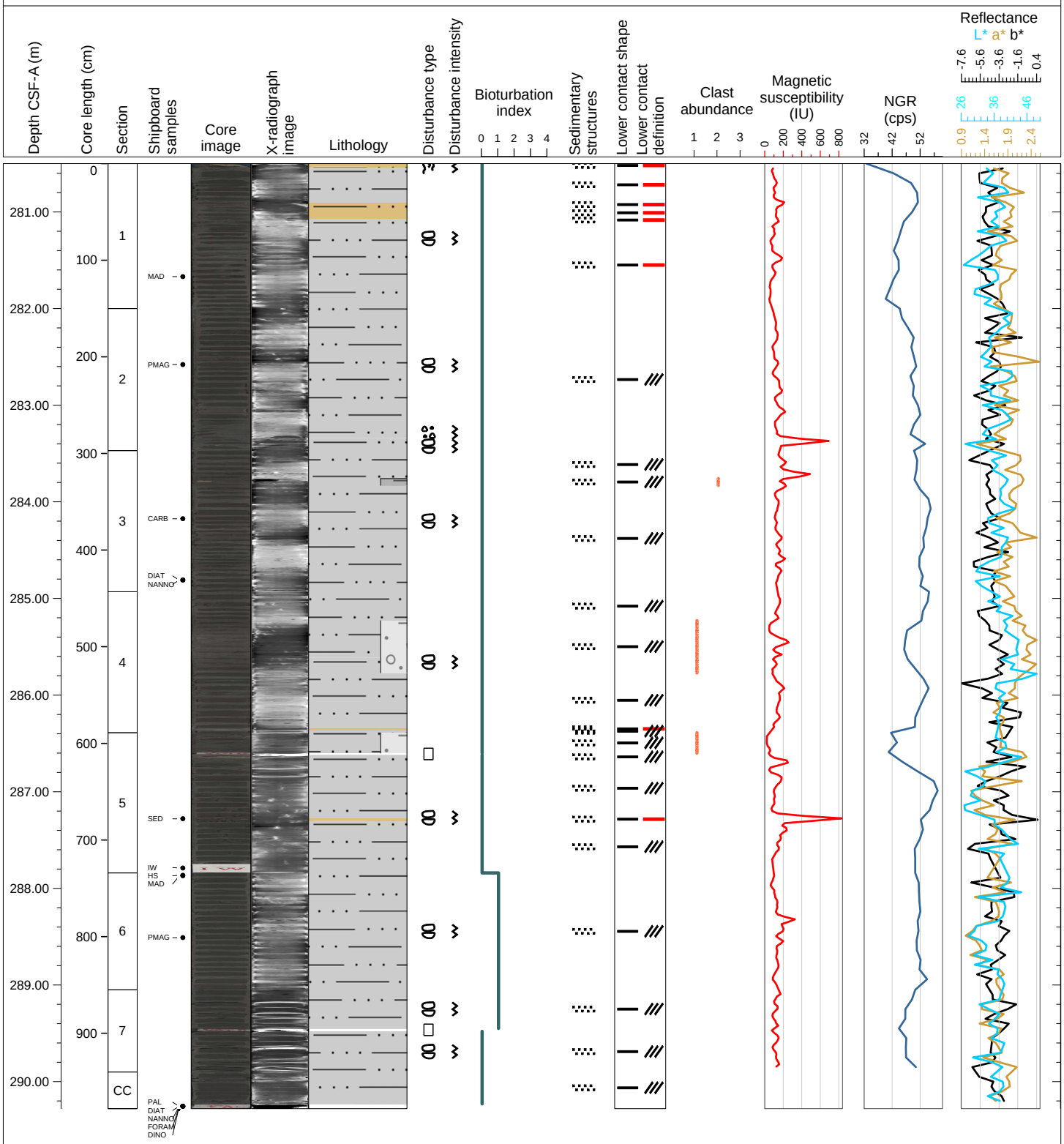
Hole 403-U1620D Core 35X, Interval 272.5-282.38 m (CSF-A)

Primarily silty clay with a ~10cm interval of clayey silt in Section 3. There is a tan-colored interval composed of authigenic carbonate in Section 3 and a 3cm reddish brown clast at 66cm in Section 3. Sediments are structureless and hard with slight abse



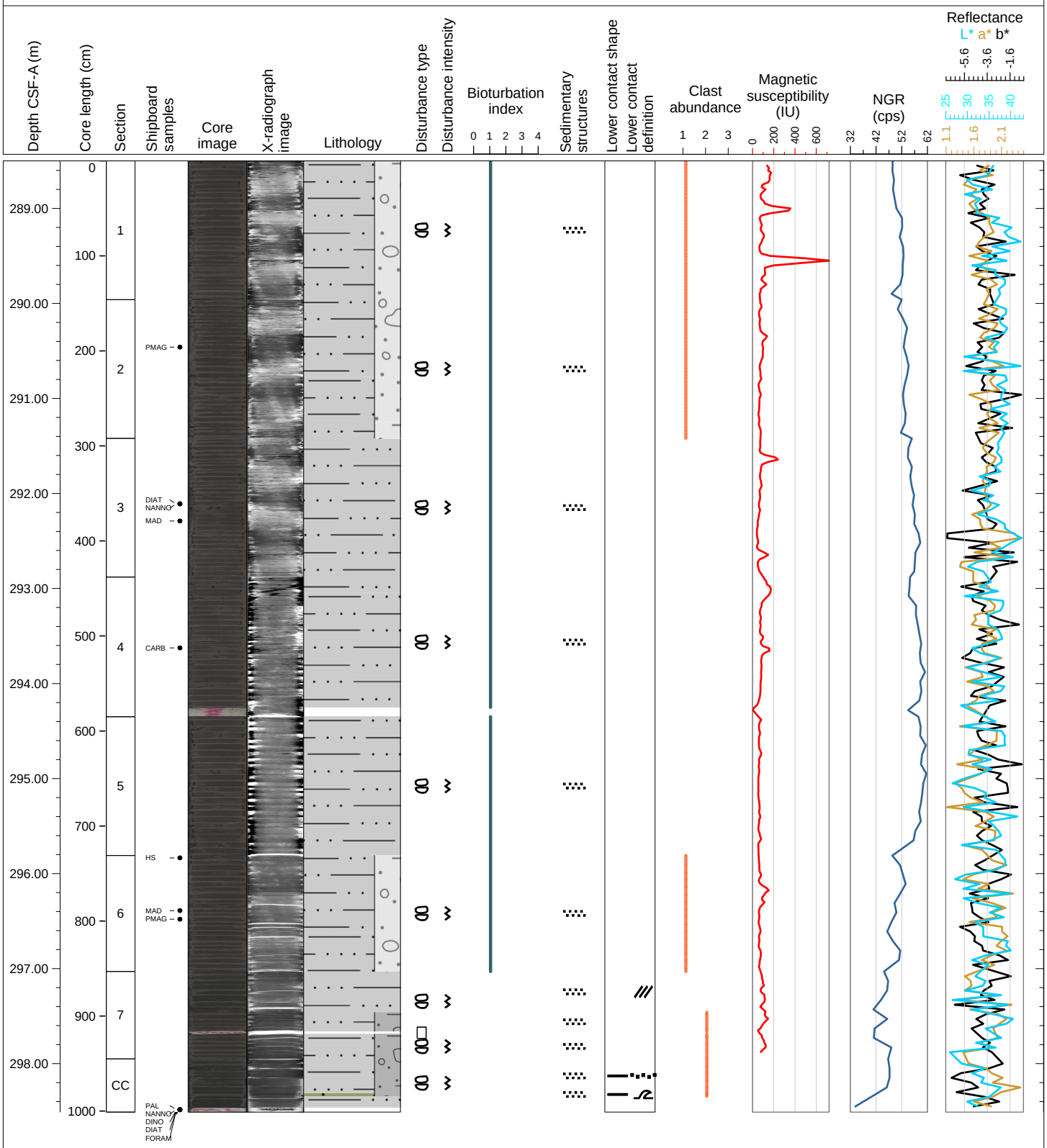
Hole 403-U1620D Core 36X, Interval 280.5-290.28 m (CSF-A)

Primarily silty clay with smaller intervals of clayey silt and small regions of dispersed to common clasts in Sections 3 and 4. There are lighter tan clayey silt layers (authigenic carbonate?) in Sections 1 and 5. Sediments are hard and structureless with



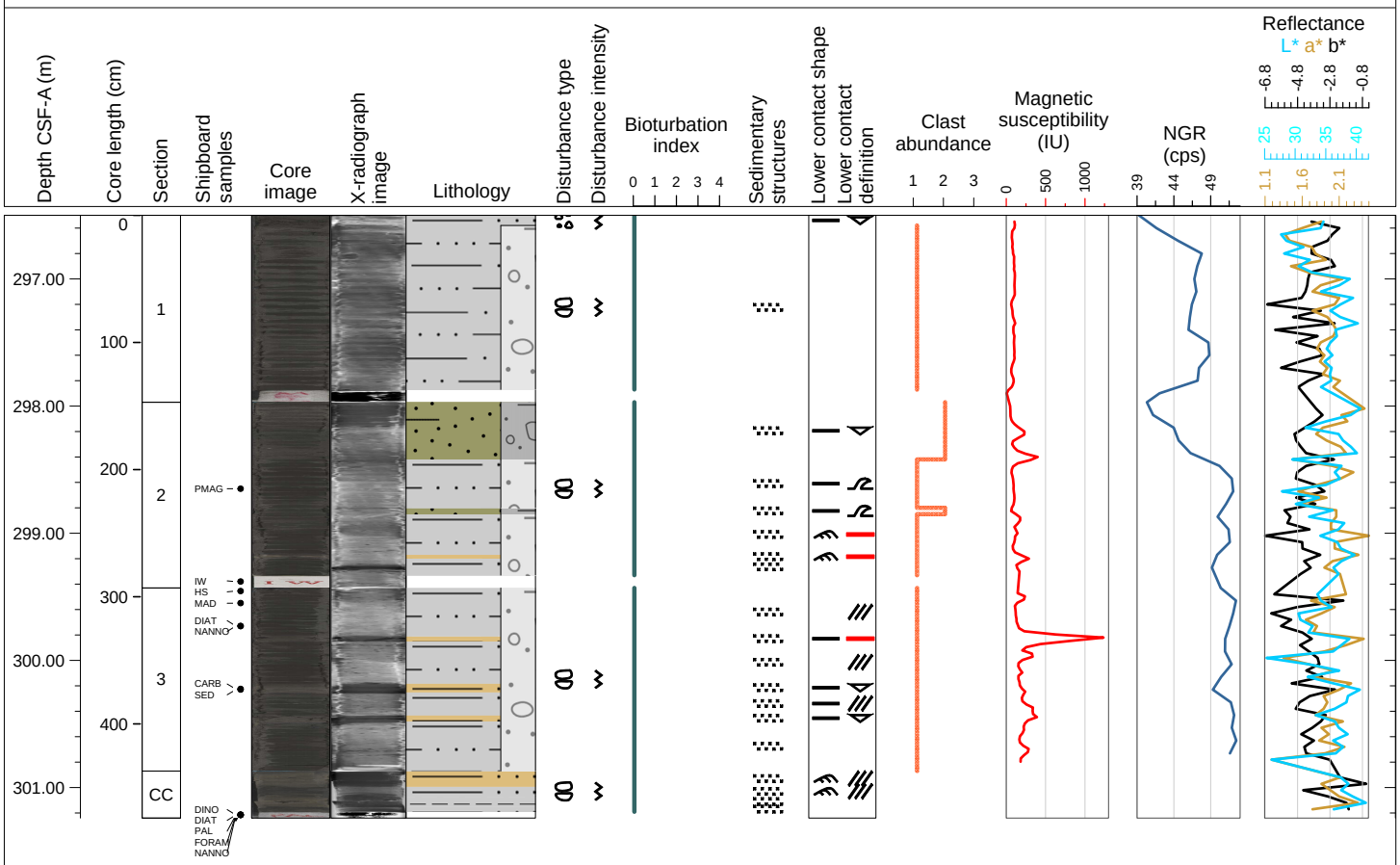
Hole 403-U1620D Core 37X, Interval 288.5-298.51 m (CSF-A)

Primarily silty clay with a ~3cm interval of sandy mud in the core catcher. There are dispersed to common clasts throughout and iron sulfide formation in Section 3. Sediments are structureless other than thin laminations in the core catcher, hard, and sli



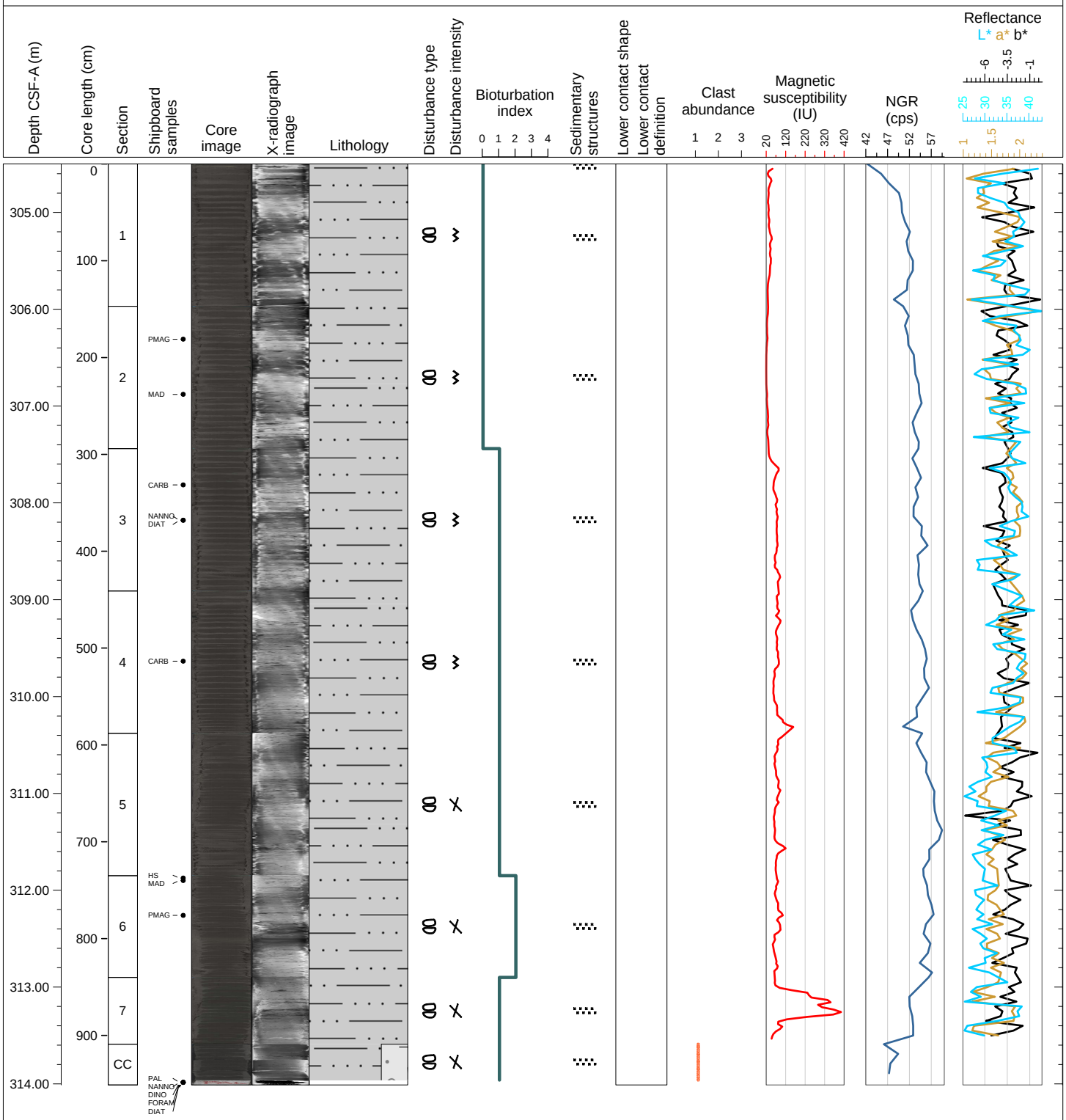
Hole 403-U1620D Core 38X, Interval 296.5-301.24 m (CSF-A)

Primarily silty clay with smaller intervals of sandy mud, clay, and clayey silt with dispersed to common clasts throughout. Sediments are structureless and hard with no apparent bioturbation. Section 1 has mixed sediments due to drilling disturbance and t



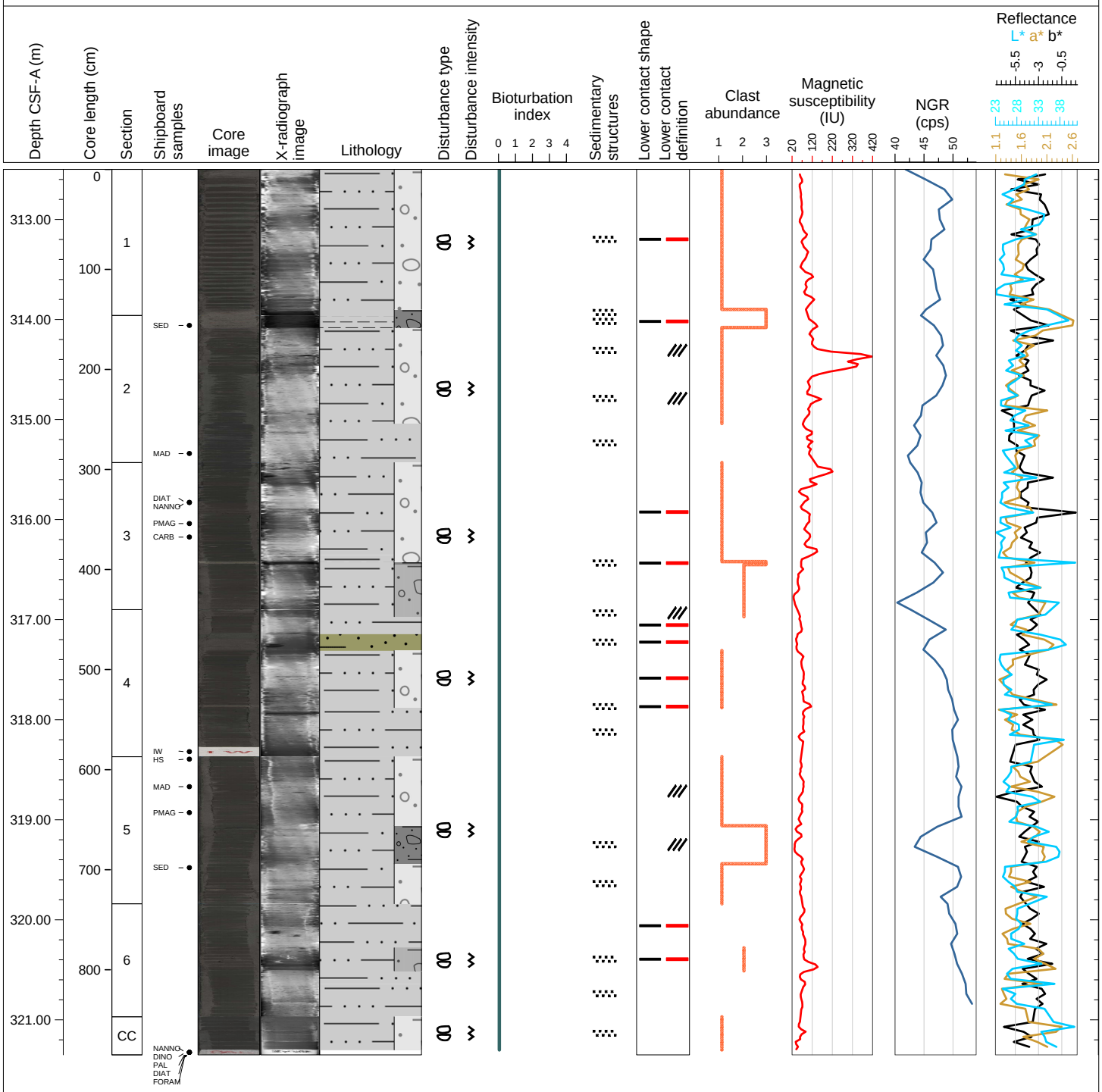
Hole 403-U1620D Core 39X, Interval 304.5-314.01 m (CSF-A)

Silty clay throughout with dispersed clasts in the core catcher. There are mixed sediments in Section 1 due to drilling disturbance and iron sulfide formation in Section 7. Sediments are structureless and hard with absent to slight bioturbation and modera



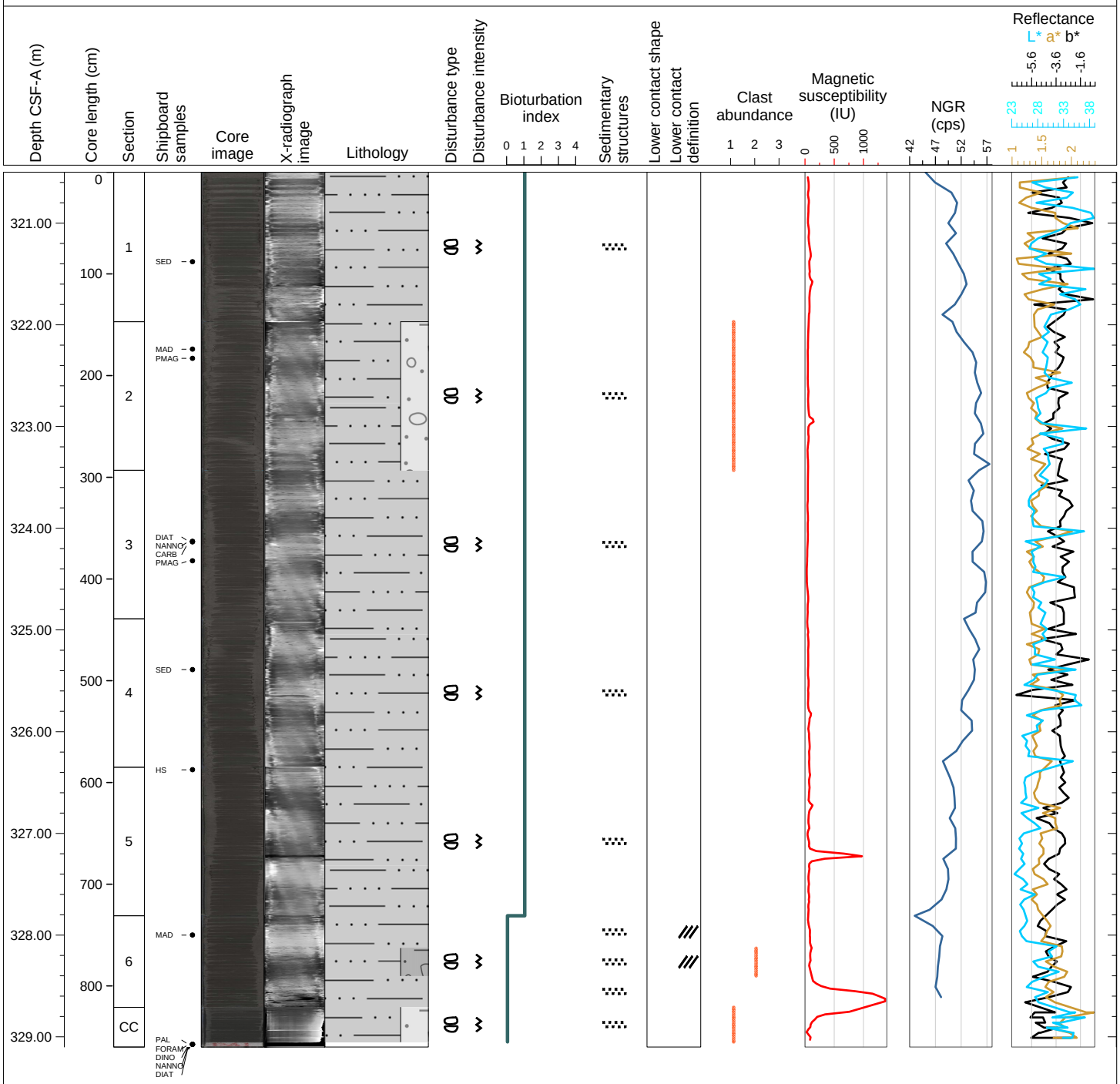
Hole 403-U1620D Core 40X, Interval 312.5-321.35 m (CSF-A)

Firm dark grey structureless silty clay with dispersed to abundant clasts. Intervals of thin laminations throughout most sections with two thin layers of tan clay. No bioturbation and strong biscuiting and fragmentation due to drilling.



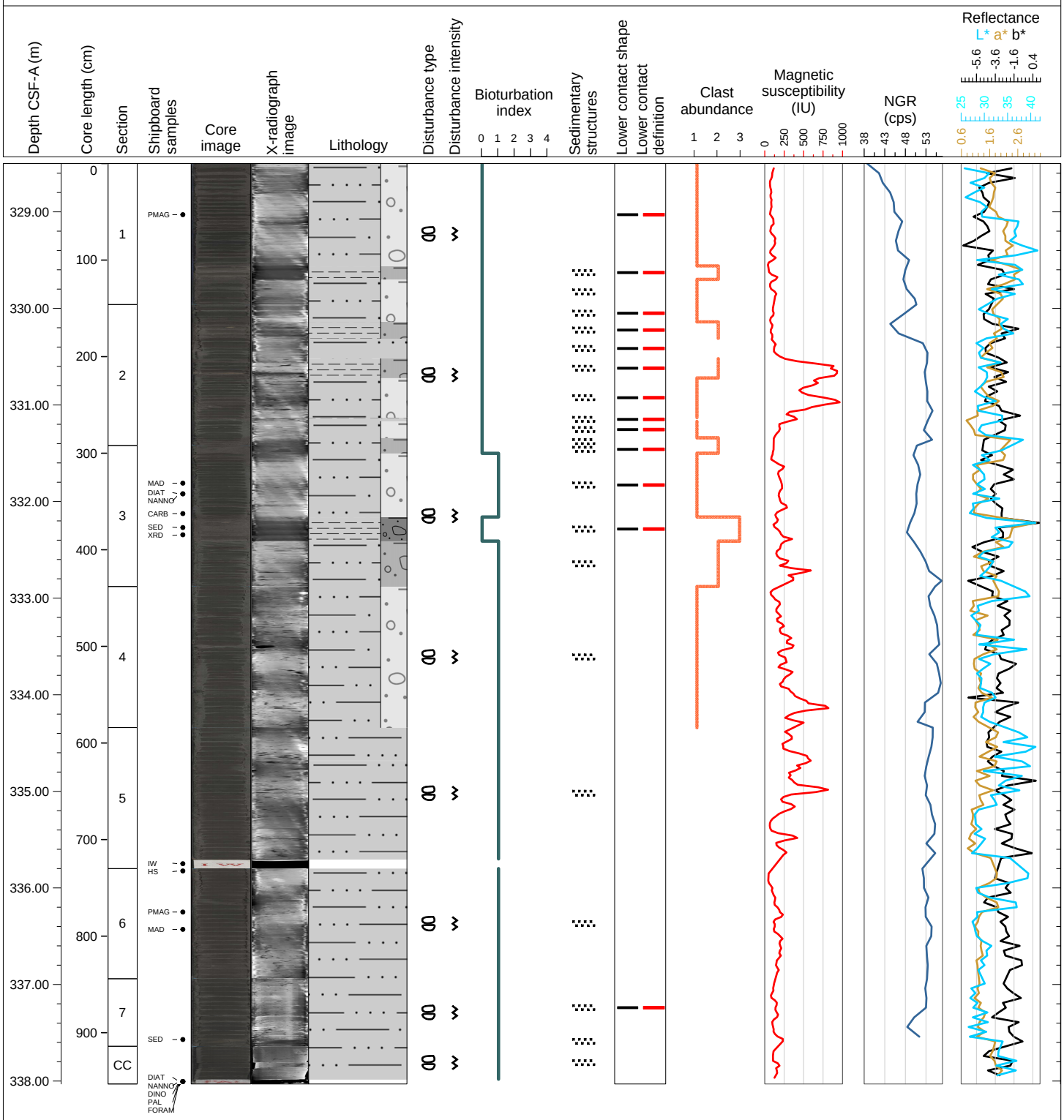
Hole 403-U1620D Core 41X, Interval 320.5-329.1 m (CSF-A)

Hard dark grey structureless silty clay with dispersed to common clasts. Slight visible bioturbation and strong biscuiting and fragmentation due to drilling.



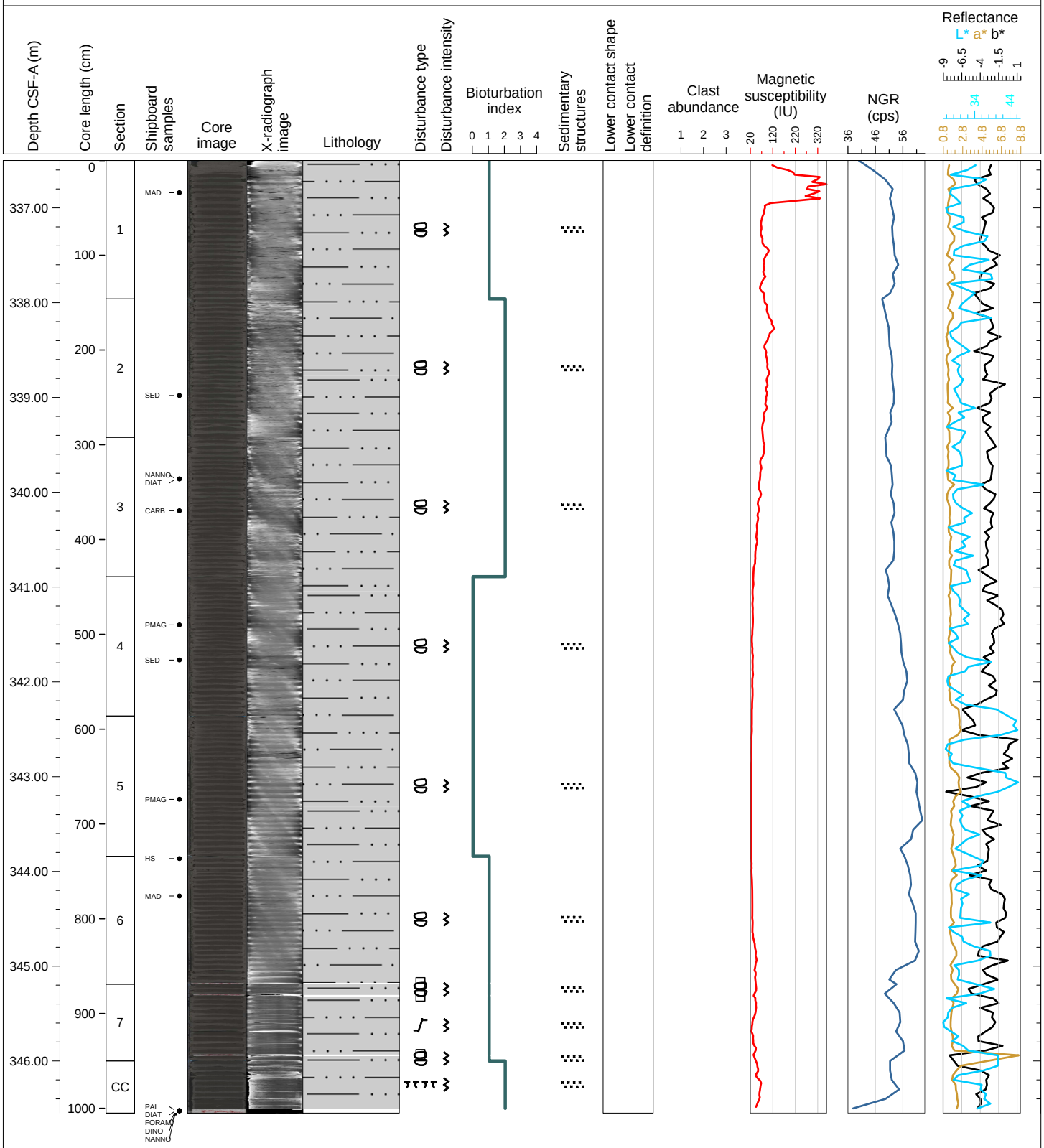
Hole 403-U1620D Core 42X, Interval 328.5-338.03 m (CSF-A)

Hard dark grey structureless silty clay with dispersed to abundant clasts and thin layers of tan clay. Little to no bioturbation and strong biscuiting due to drilling.



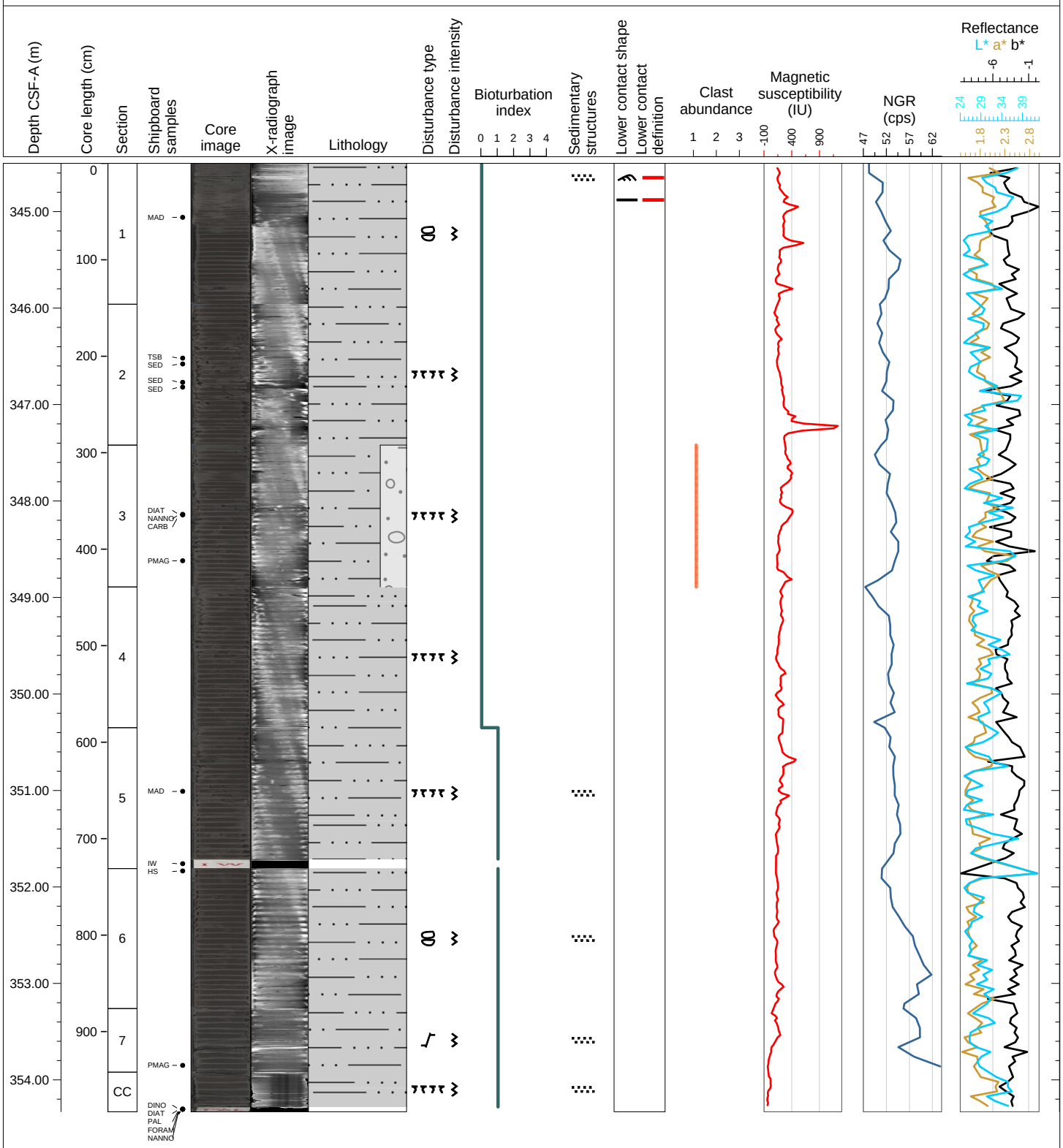
Hole 403-U1620D Core 43X, Interval 336.5-346.55 m (CSF-A)

Hard dark grey structureless silty clay with no visible clasts. Heavy to slight bioturbation and strong biscuiting and fragmentation due to drilling.



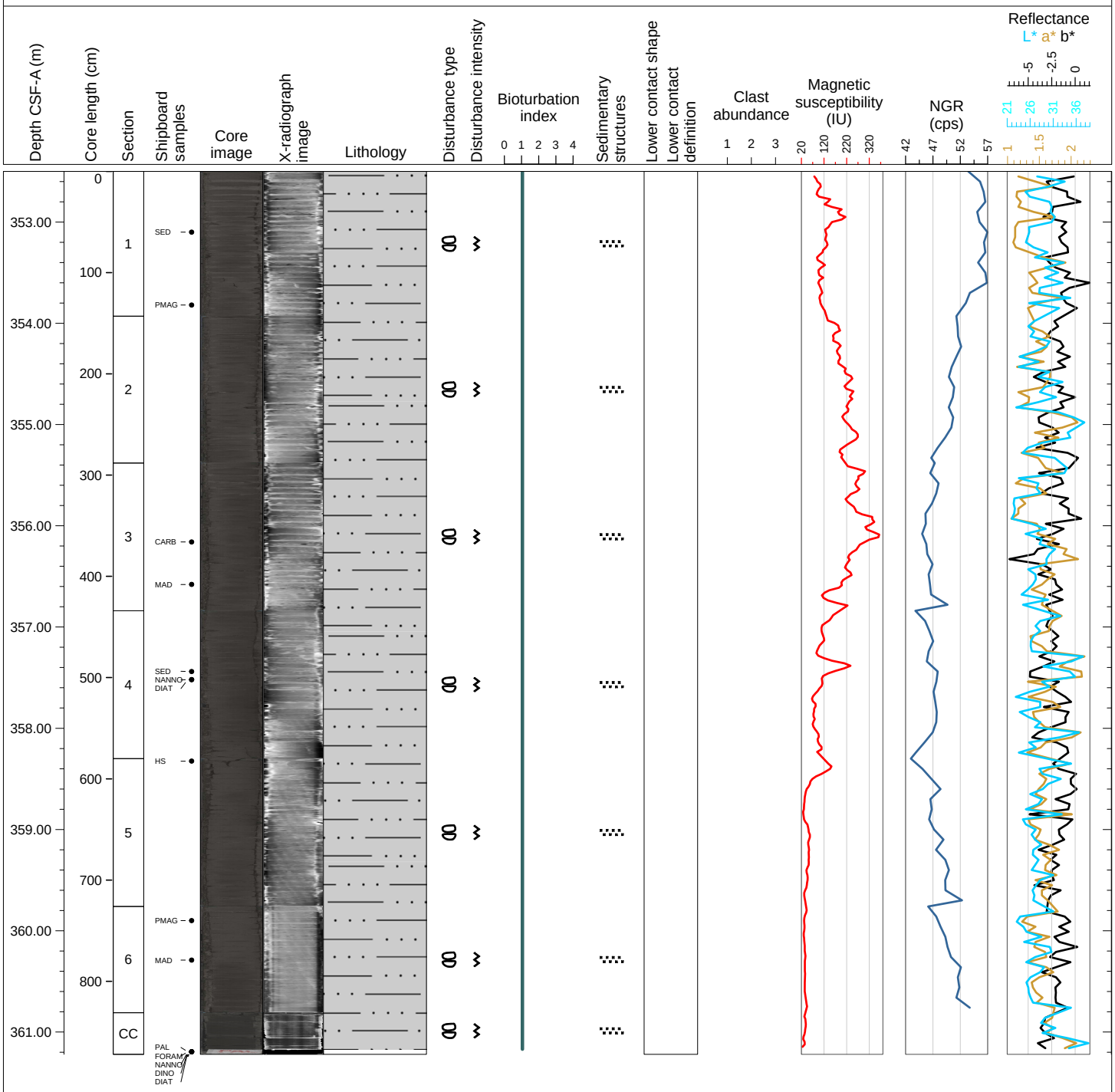
Hole 403-U1620D Core 44X, Interval 344.5-354.33 m (CSF-A)

Hard dark grey structureless silty clay. Strong laminations of colors varying from grey to black to tan in sections 1-4. Slight bioturbation and strong biscuiting and fragmentation due to drilling.



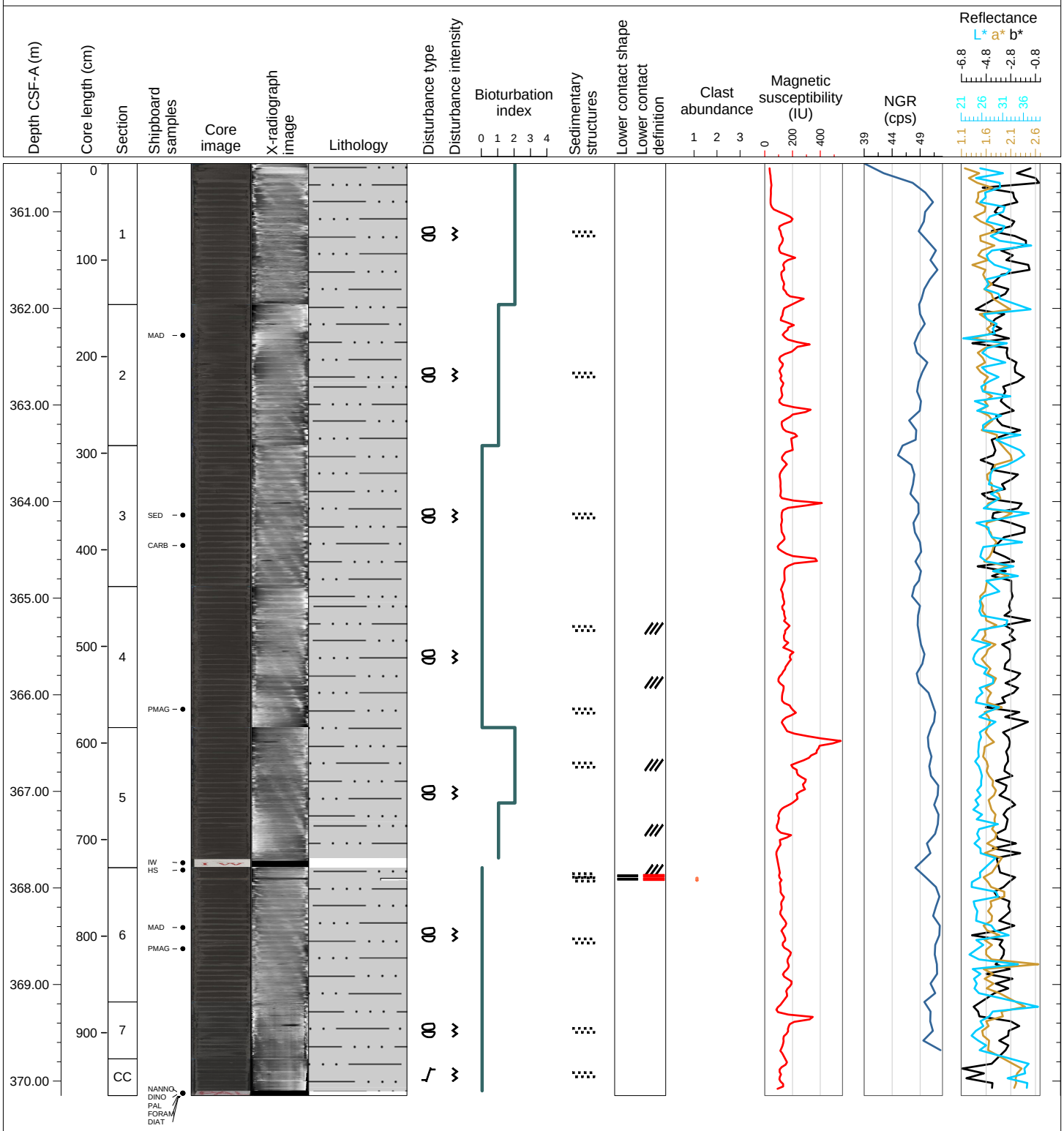
Hole 403-U1620D Core 45X, Interval 352.5-361.22 m (CSF-A)

Hard dark grey structureless silty clay with no visible clasts. Slight bioturbation and strong biscuiting due to drilling.



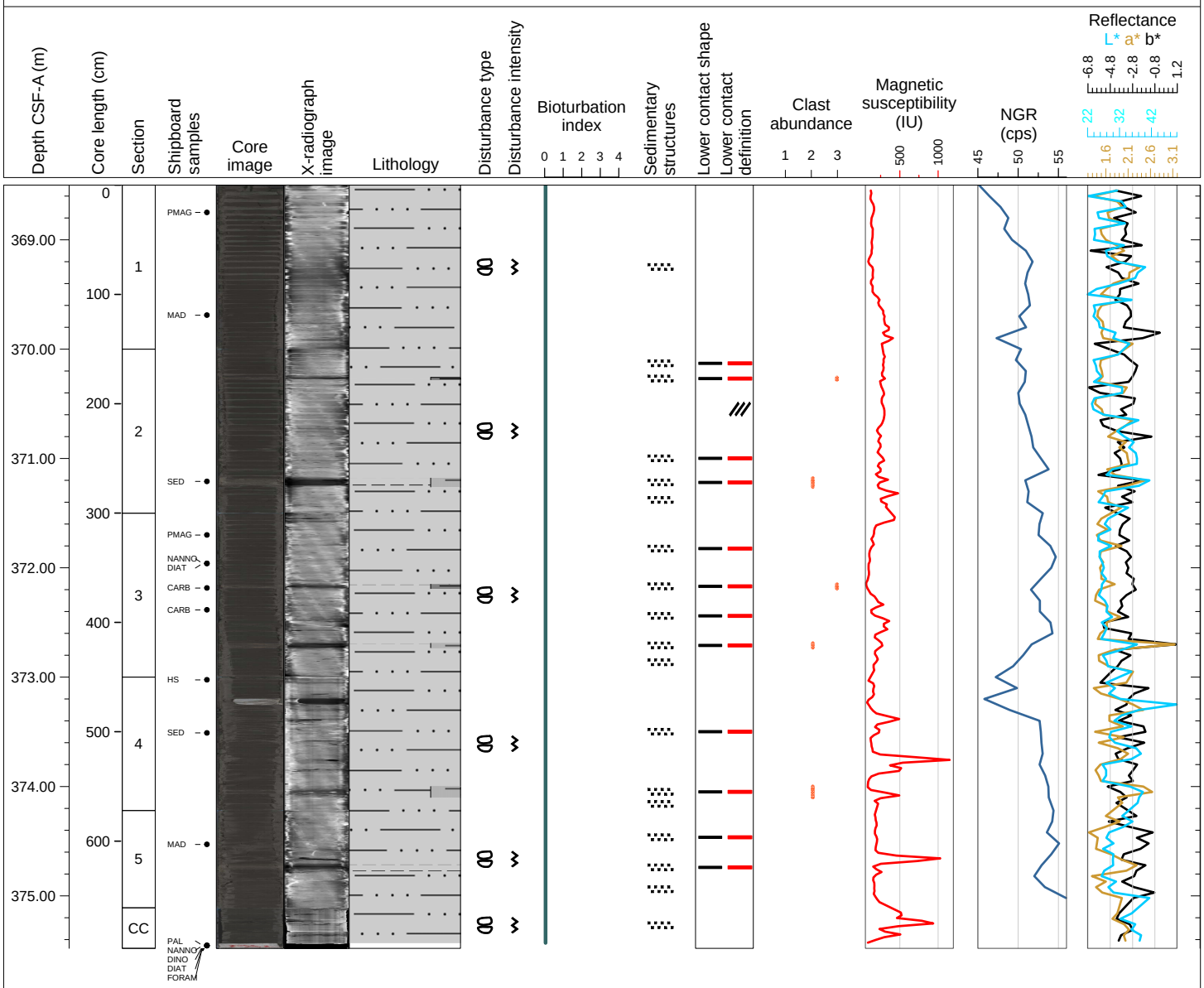
Hole 403-U1620D Core 46X, Interval 360.5-370.15 m (CSF-A)

Hard dark grey structureless silty clay with no visible clasts. Laminations of colors varying from grey to tan. Moderate to slight bioturbation and strong biscuiting due to drilling.



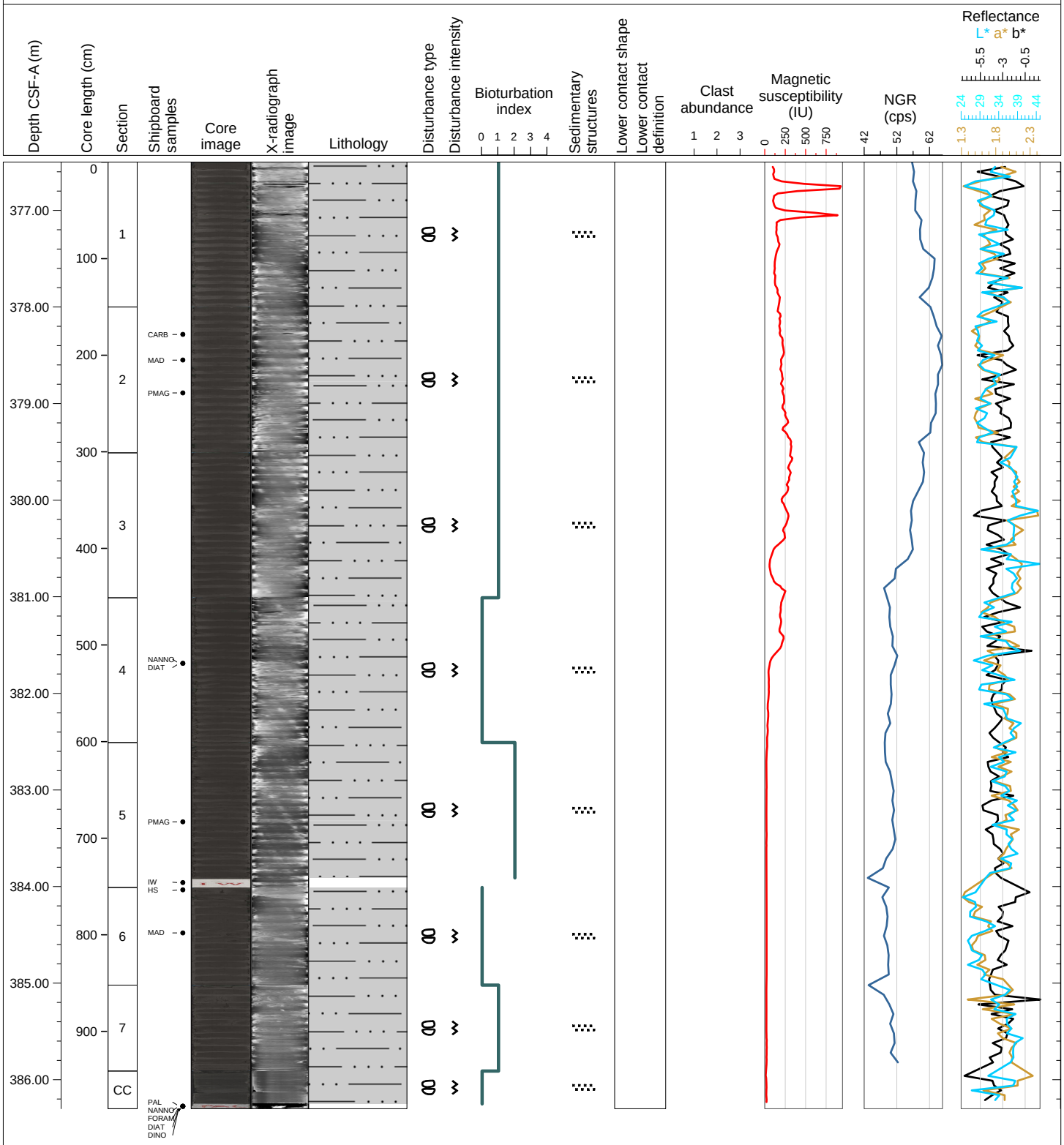
Hole 403-U1620D Core 47X, Interval 368.5-375.48 m (CSF-A)

Hard dark grey structureless silty clay. Laminations of colors varying from grey to tan. One large clast of 5x5 cm in section 4. No bioturbation and strong biscuiting due to drilling.



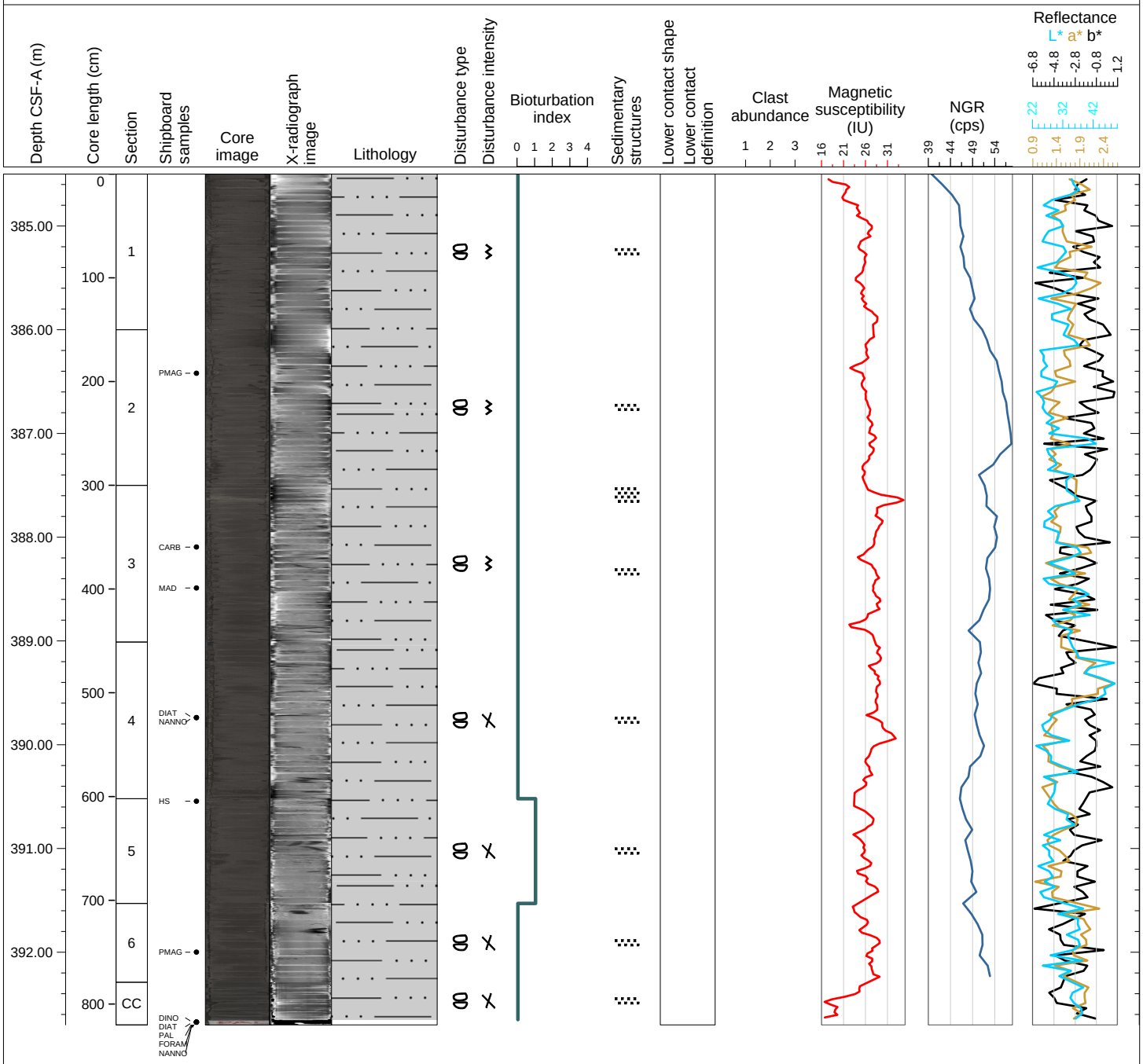
Hole 403-U1620D Core 48X, Interval 376.5-386.3 m (CSF-A)

Silty clay with authigenic mineral formation (dense in x-rays) in Sections 1 and 2. Sediments are structureless and hard with absent to moderate bioturbation and strong biscuiting throughout.



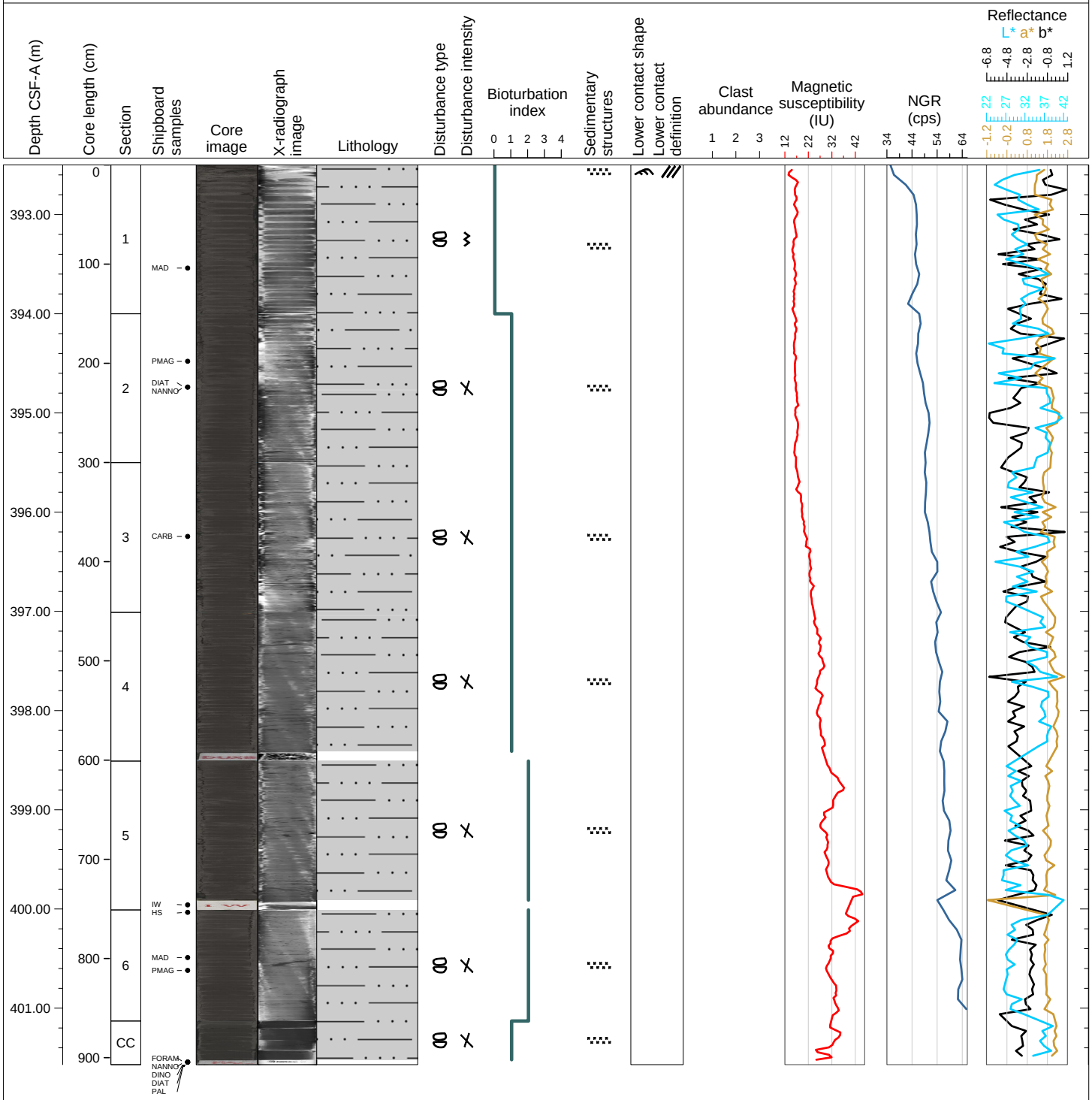
Hole 403-U1620D Core 49X, Interval 384.5-392.7 m (CSF-A)

Silty clay with a 1.5cm subangular gray clast at 98cm in Section 2, a tan colored interval in Section 3 that is disrupted by biscuiting, and authigenic mineral formation (dense in x-ray) in the upper 28cm of Section 6. Sediments are structureless and hard



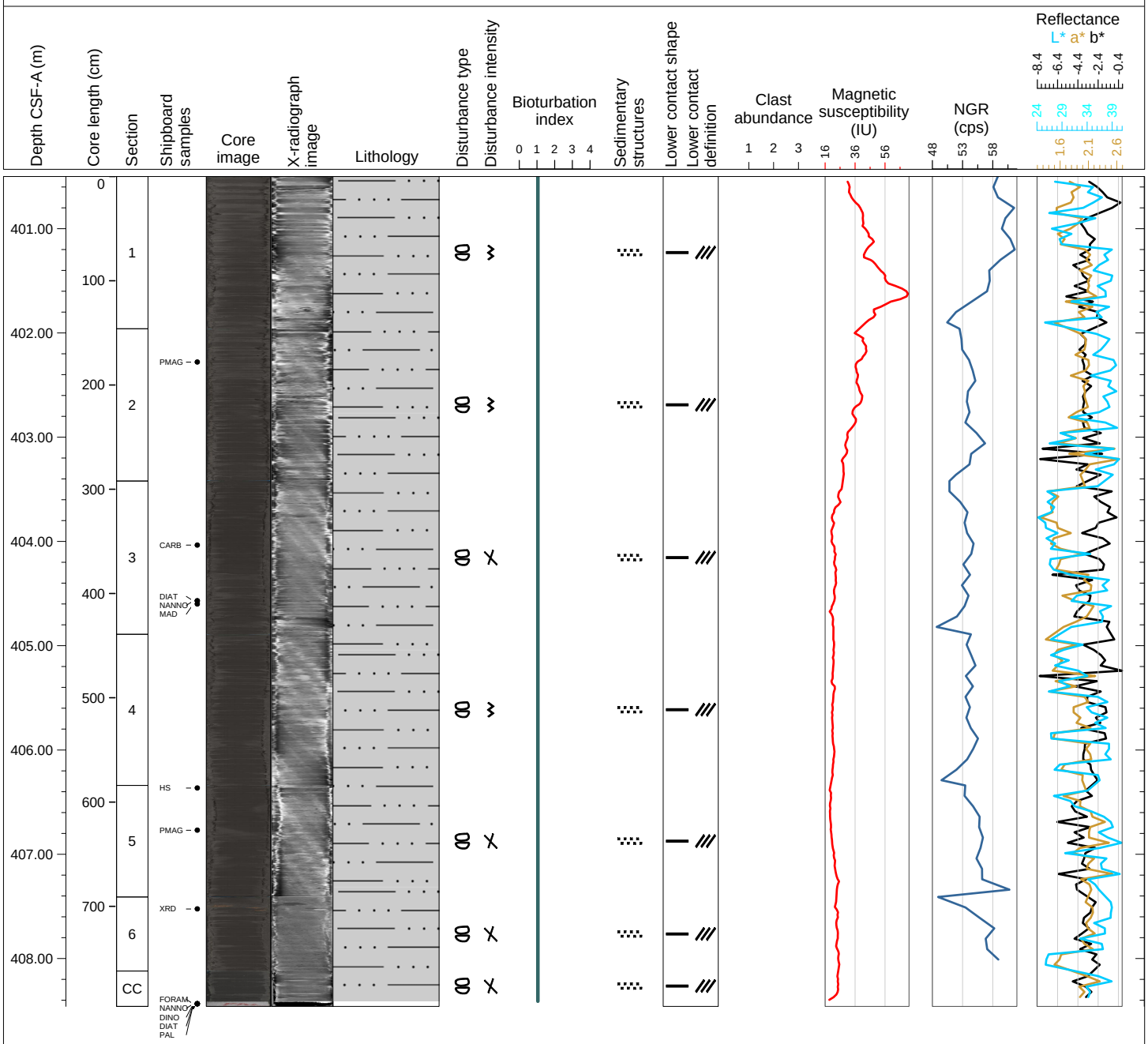
Hole 403-U1620D Core 50X, Interval 392.5-401.57 m (CSF-A)

Silty clay with mixed sediment due to drilling disturbance in Section 1 and iron sulfide formation in Sections 4 and 5. Sediments are structureless and hard with absent to moderate bioturbation and strong biscuiting throughout.



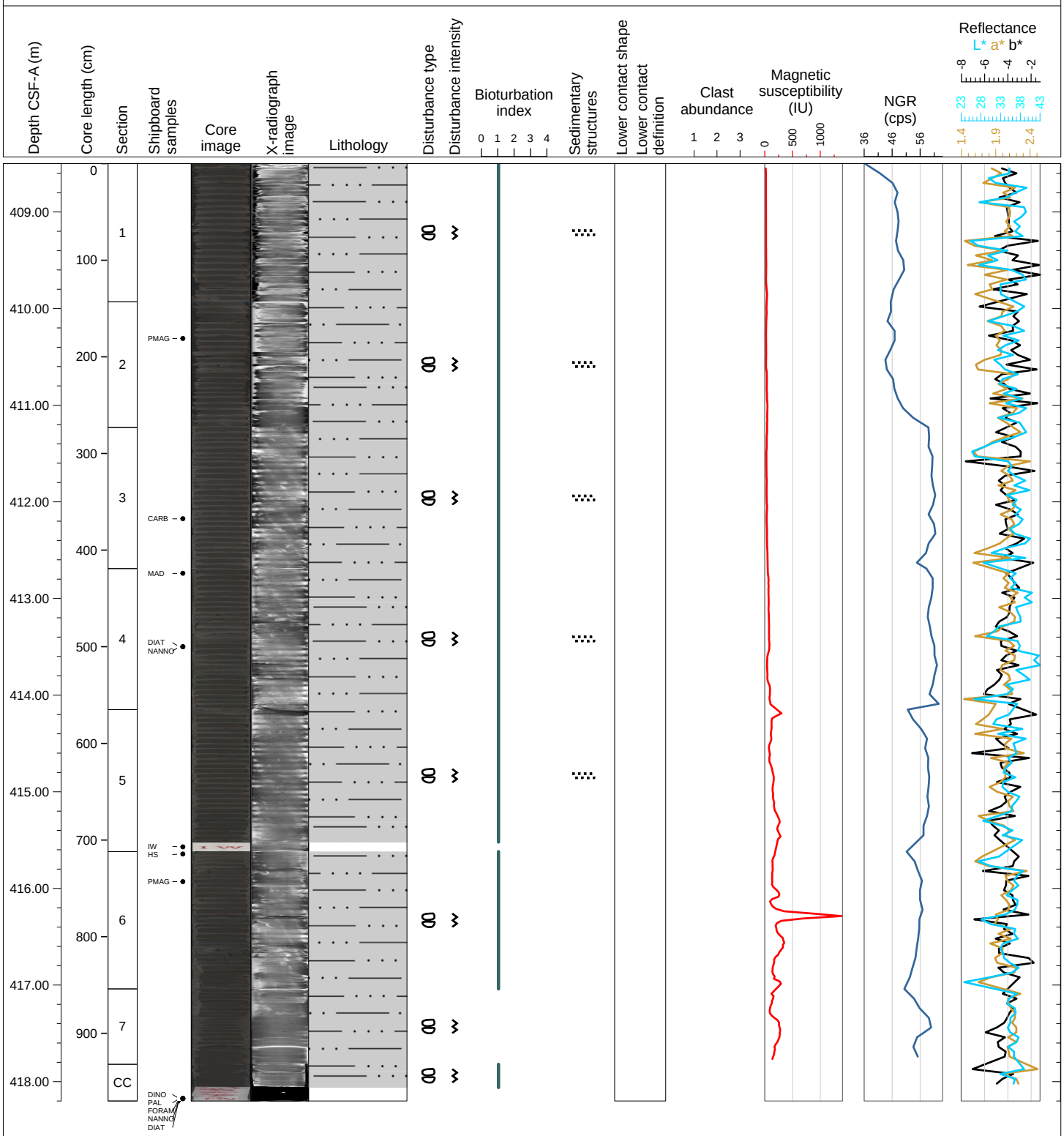
Hole 403-U1620D Core 51X, Interval 400.5-408.46 m (CSF-A)

Silty clay with orange authigenic mineral formation (CaCO3) from 36-37 cm in Section 3 and from 8-15cm in Section 6. Sediments are structureless and hard with slight bioturbation and moderate to strong biscuiting throughout.



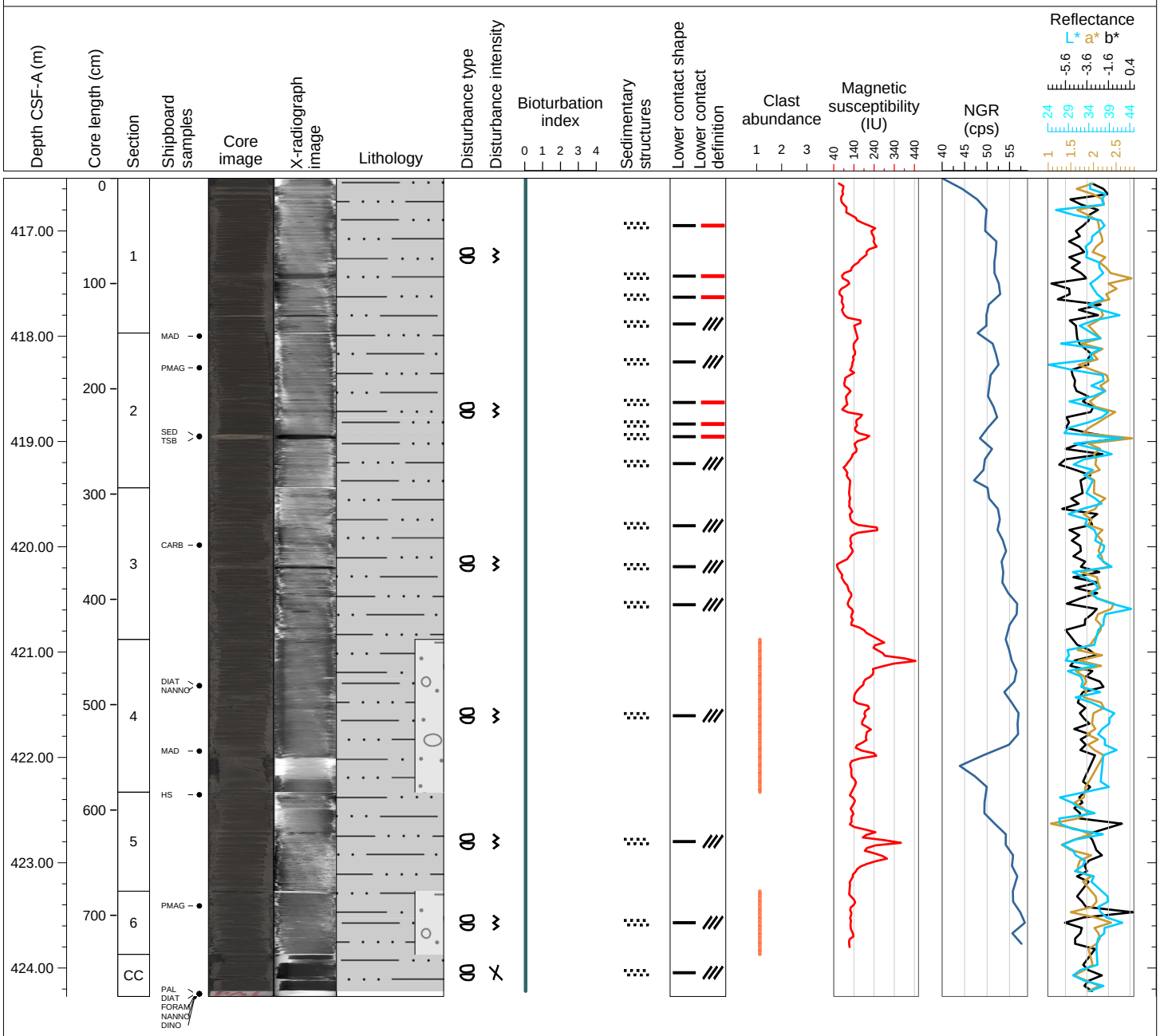
Hole 403-U1620D Core 52X, Interval 408.5-418.2 m (CSF-A)

Silty clay with iron sulfide formation in Sections 3 and 5. Sediments are structureless other than thin laminations in Sections 6, 7, and the core catcher. All sediments are hard with slight bioturbation and strongly biscuited throughout.



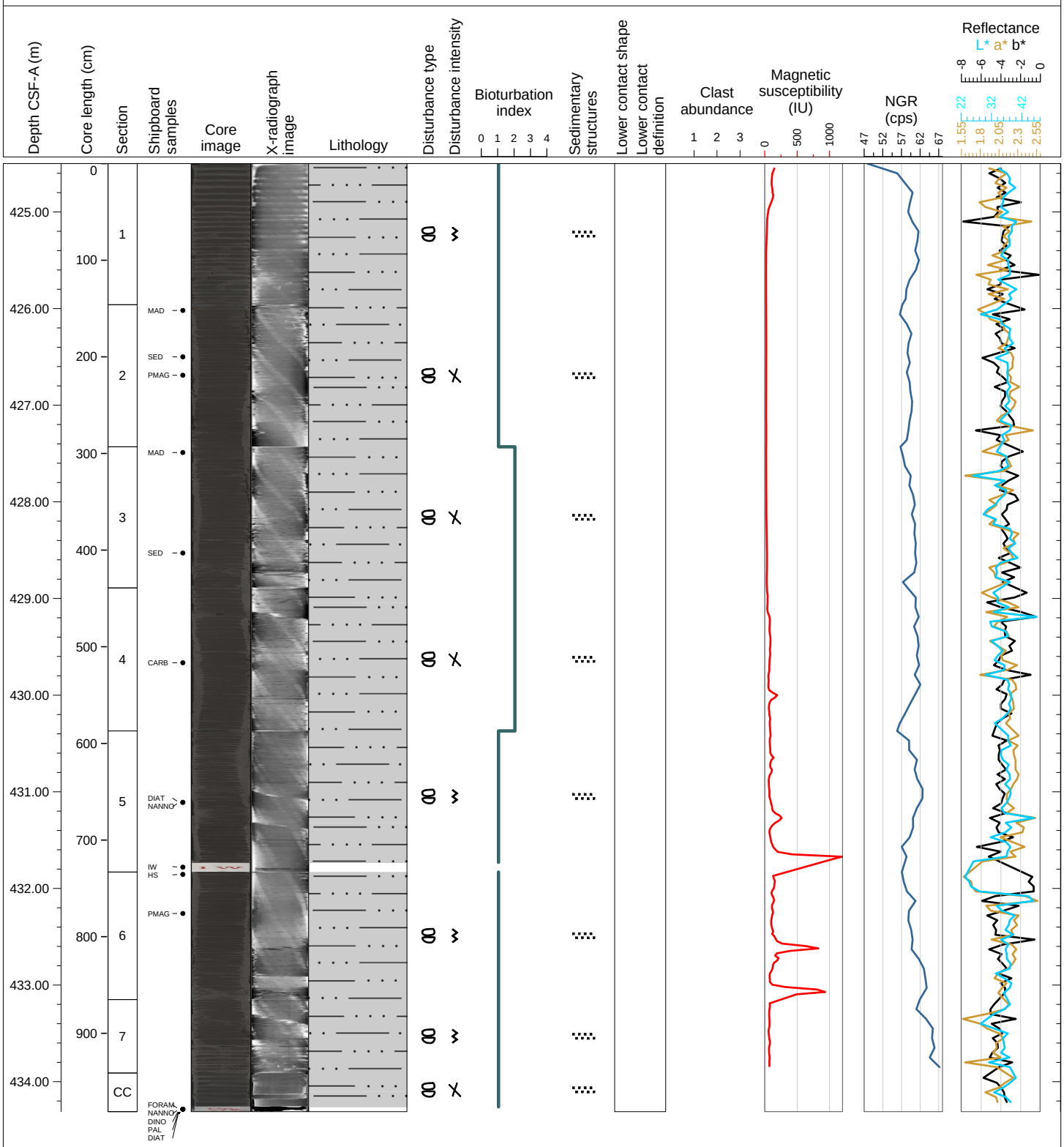
Hole 403-U1620D Core 53X, Interval 416.5-424.27 m (CSF-A)

Primarily silty clay with one ~5cm interval of tan-colored clay composed of detrital carbonate. There are thin laminations in Sections 1 and 2. Sediments are hard with no apparent bioturbation and strong biscuiting throughout.



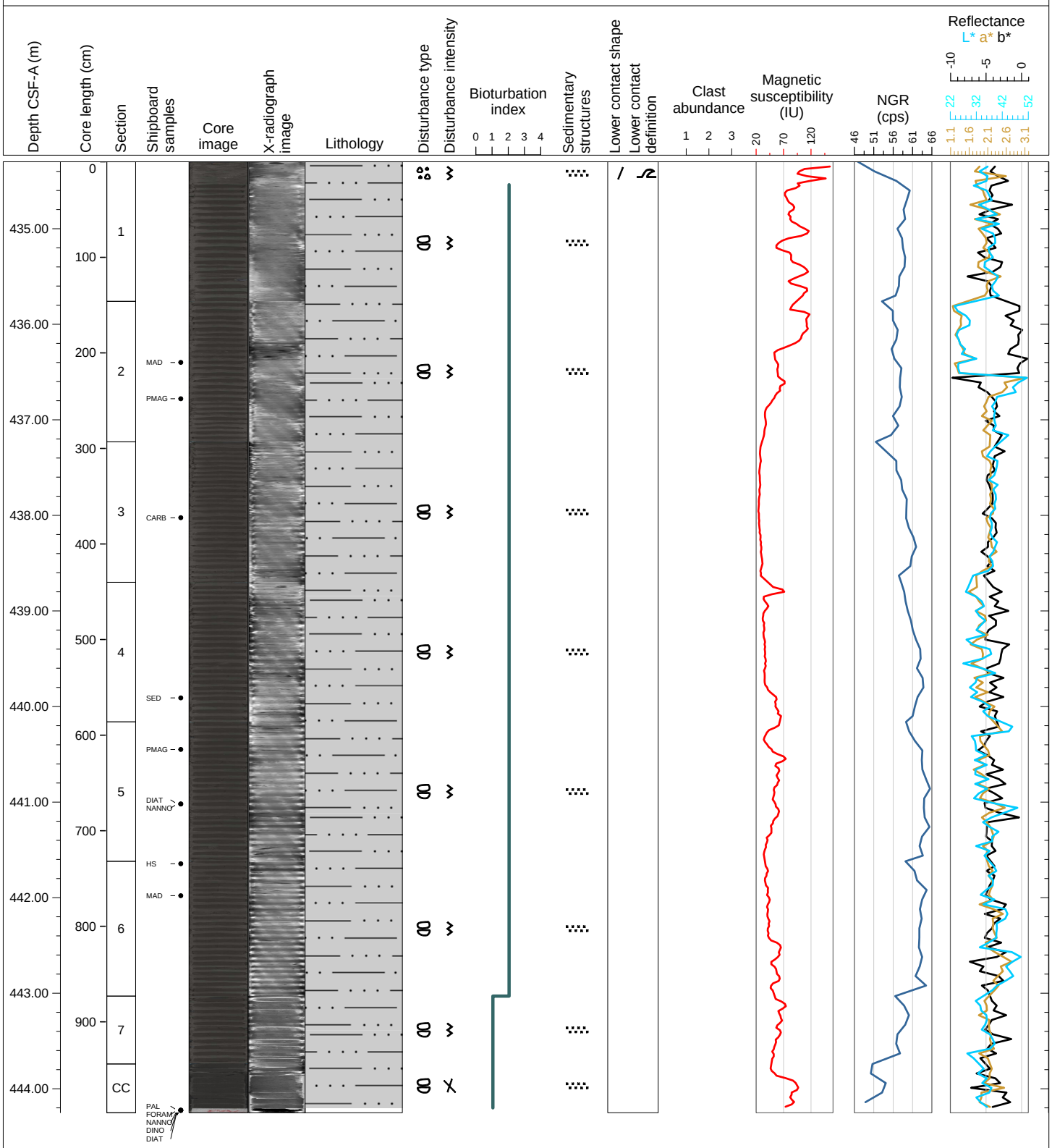
Hole 403-U1620D Core 54X, Interval 424.5-434.31 m (CSF-A)

Silty clay with small 2mm size sandy nodules throughout Sections 2 and 3. Sediments are structureless, hard, and slightly to moderately bioturbated with strong biscuiting throughout.



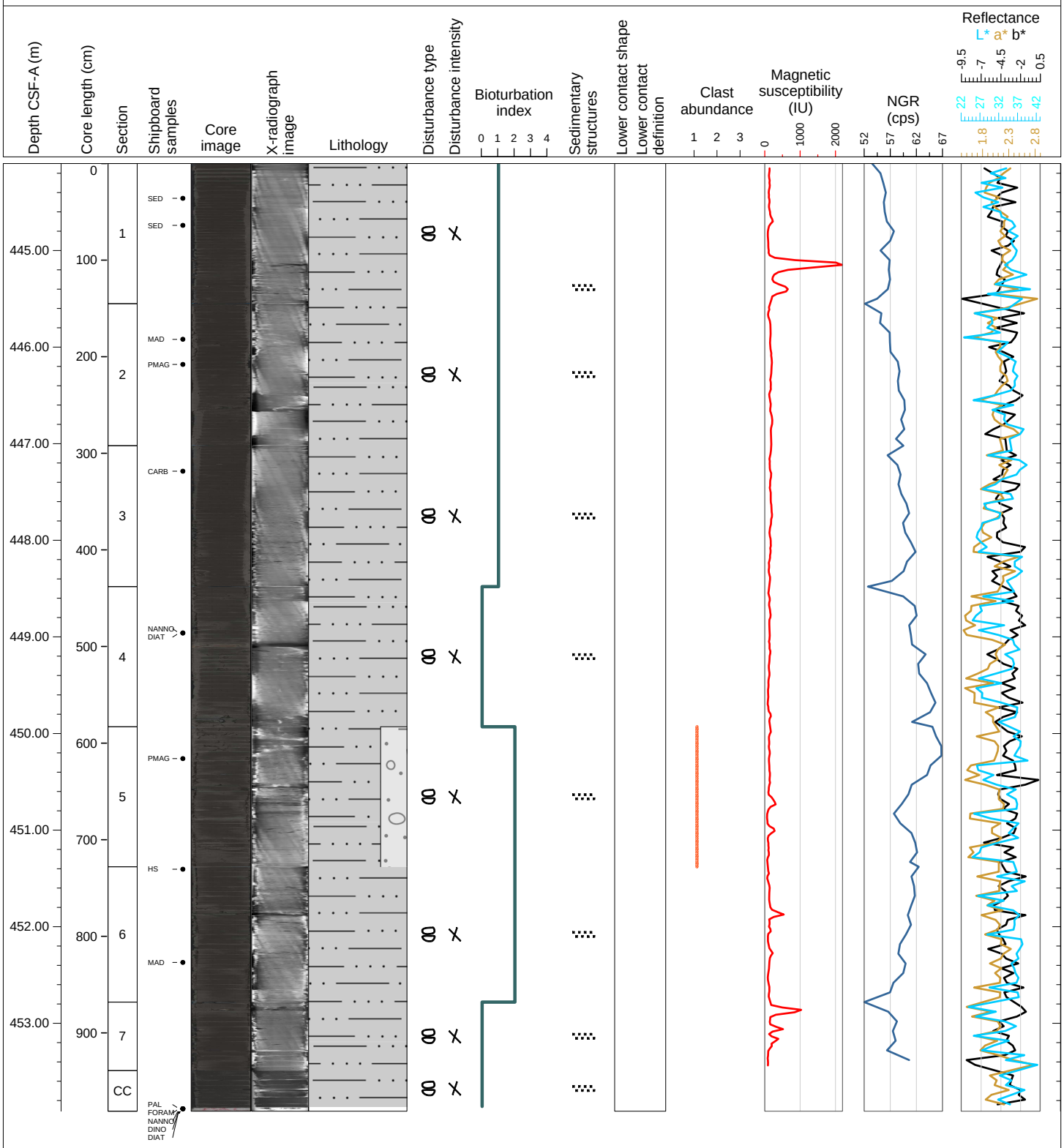
Hole 403-U1620D Core 55X, Interval 434.3-444.25 m (CSF-A)

Silty clay with mixed sediment and a 4cm sized sub-angular volcanic clast at 11-16cm in Section 1, a 1.5 angular clast at 122-123cm in Section 2, and iron sulfide formation in Sections 5, 6, and the core catcher. Sediments are structureless and hard with



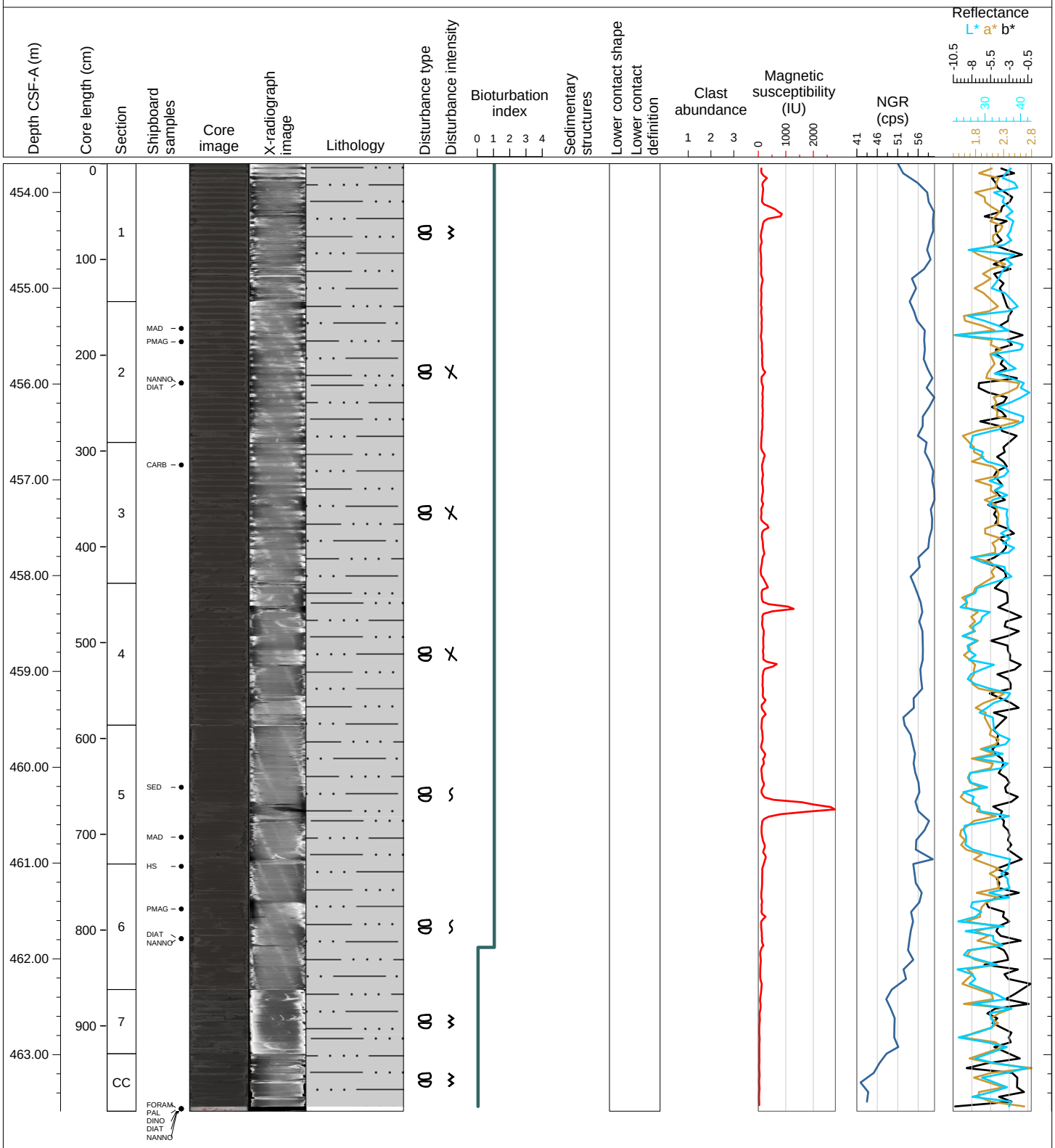
Hole 403-U1620D Core 56X, Interval 444.1-453.91 m (CSF-A)

Silty clay with dispersed clasts in Section 5. There is alternating light tan, green, and dark black laminations in Section 1, ~1mm white sandy(?) patches throughout entire Section 3, a tan layer, detrital carbonate, and a 2.5cm angular light brown clast



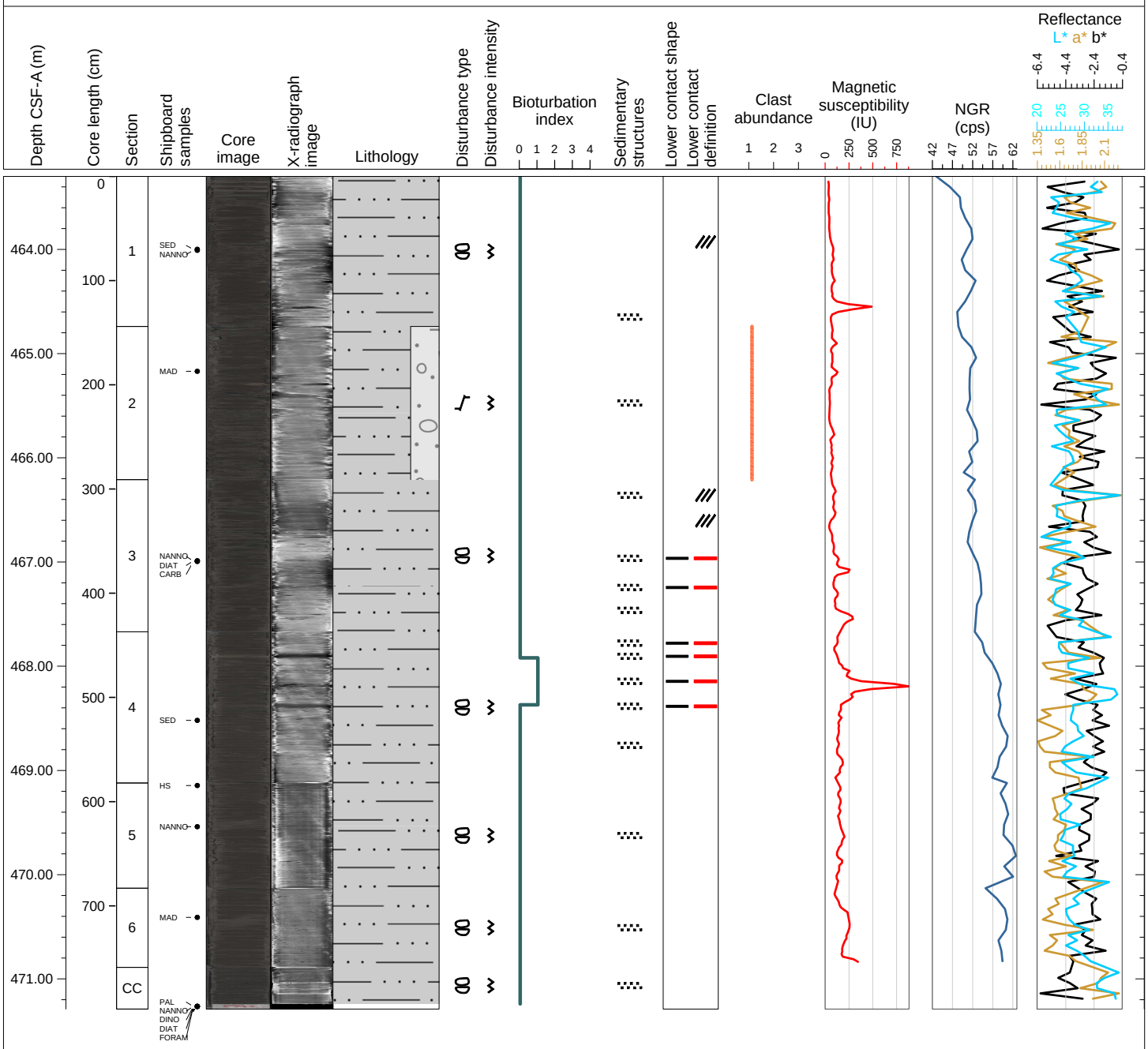
Hole 403-U1620D Core 57X, Interval 453.7-463.59 m (CSF-A)

Silty clay with iron sulfide formation in Sections 1, 2, and 4, with laminations becoming increasingly visible in Section 6 although all sections are thinly laminated. Sediments are hard, slightly bioturbated, and biscuited throughout.



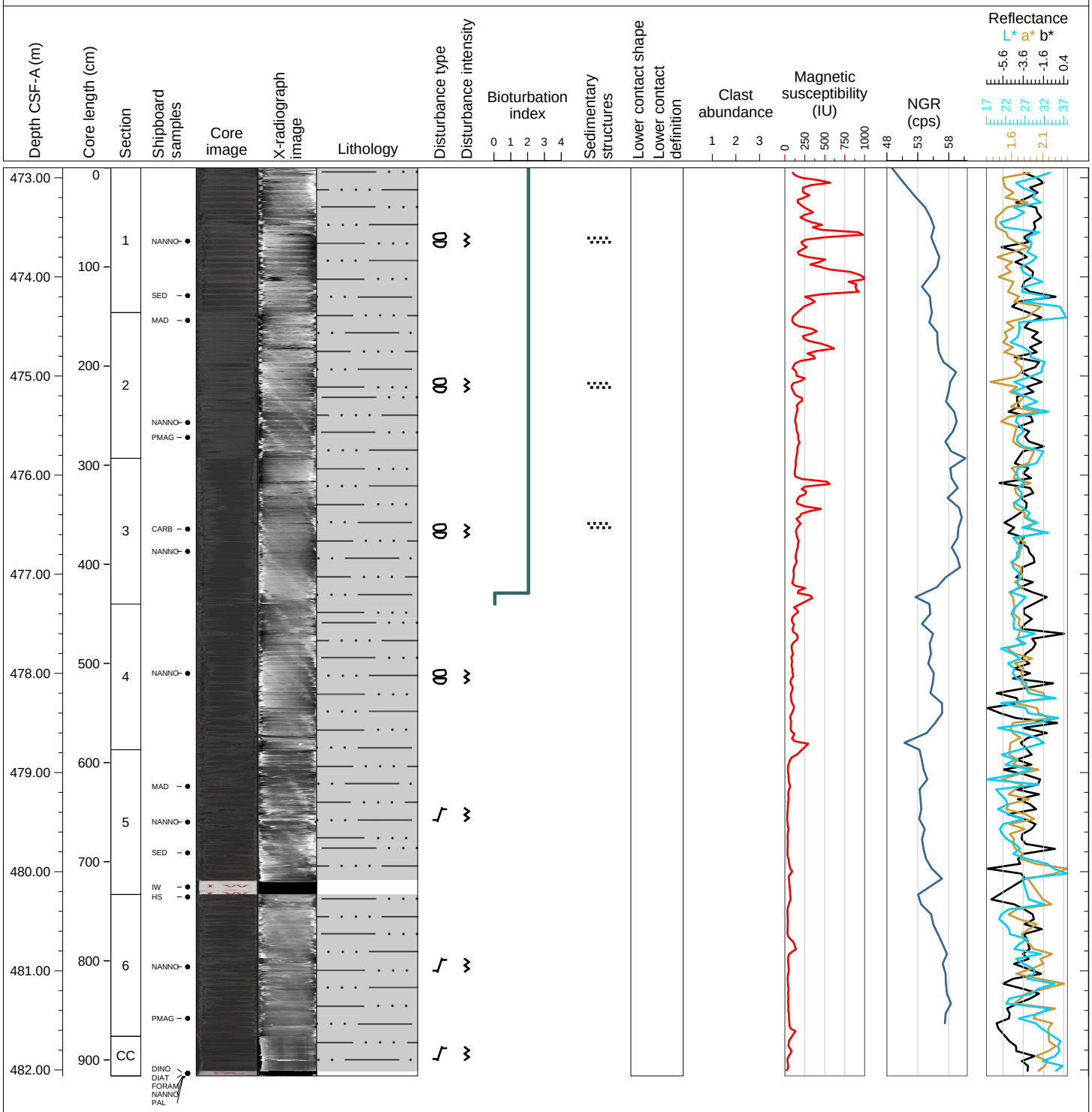
Hole 403-U1620D Core 58X, Interval 463.3-471.29 m (CSF-A)

Hard dark grey structureless silty clay. Thin laminations of colors varying from grey to tan in sections 1 and 2. Little to no bioturbation and strong biscuiting and fracturing due to drilling.



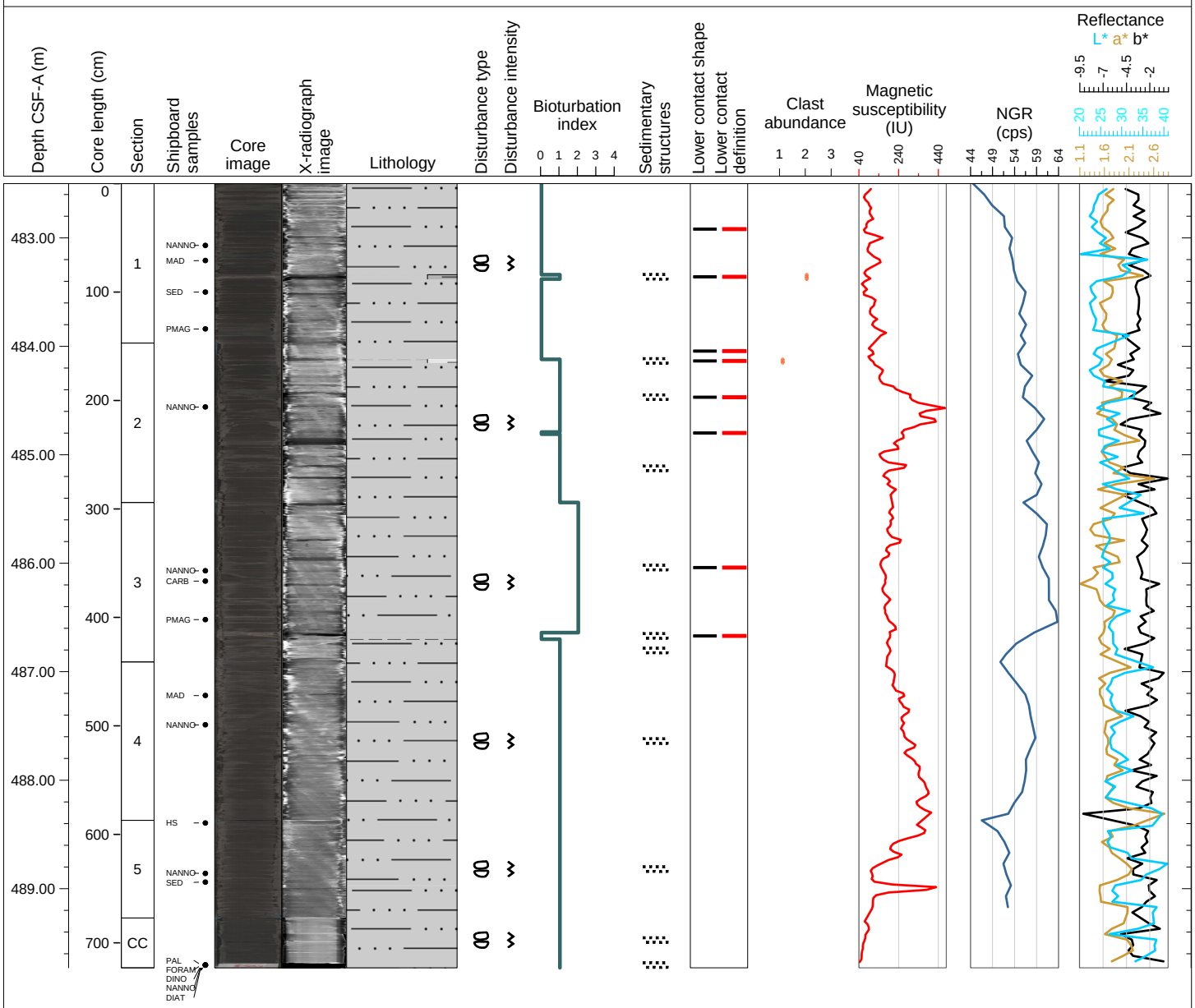
Hole 403-U1620D Core 59X, Interval 472.9-482.06 m (CSF-A)

Hard dark grey structureless silty clay. Thin laminations of colors varying from grey to tan in sections 3-6. Moderate bioturbation in sections 1 and 2. Strong biscuiting and fracturing occur due to drilling.



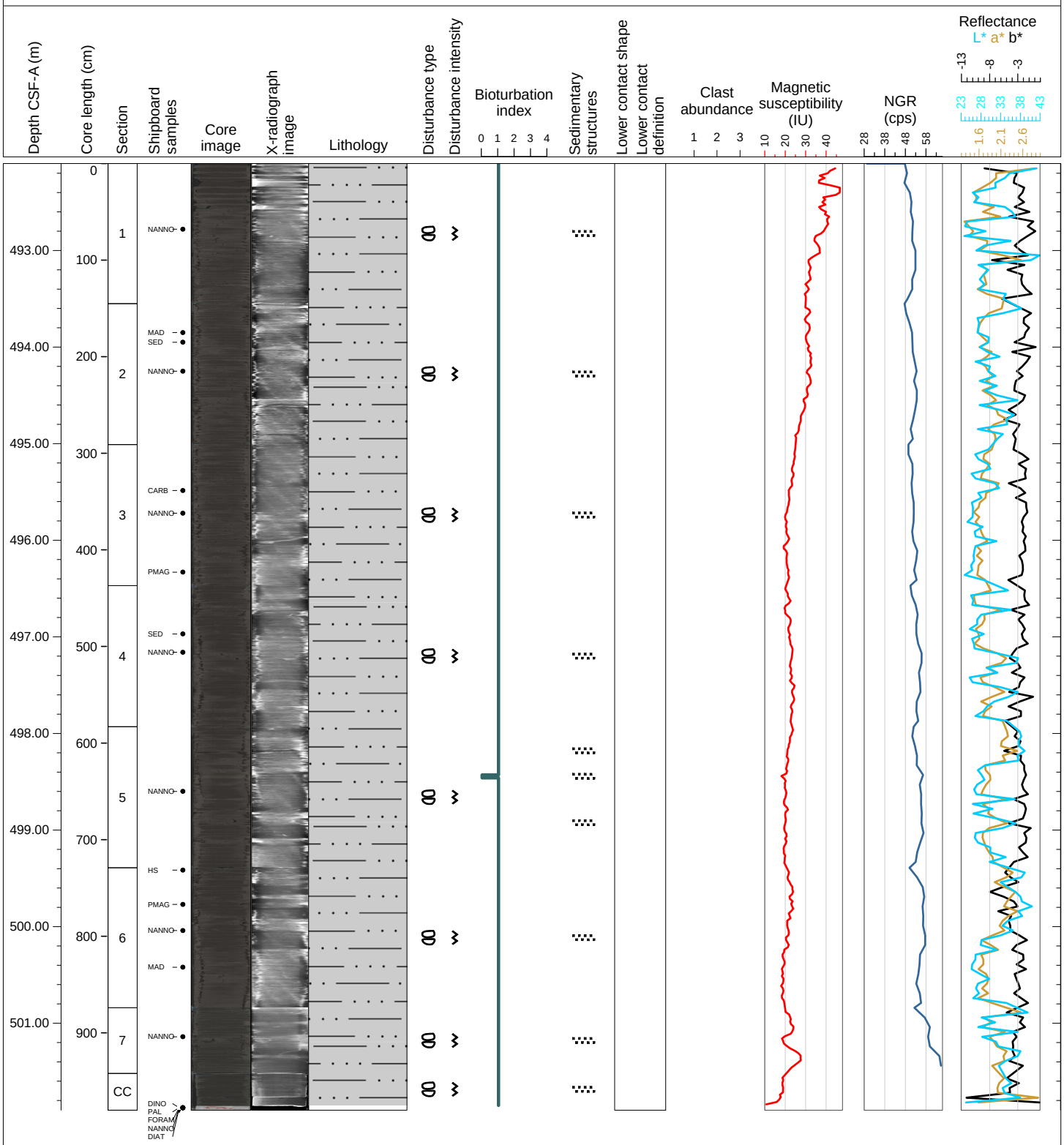
Hole 403-U1620D Core 60X, Interval 482.5-489.73 m (CSF-A)

Hard dark grey structureless silty clay. Thin laminations of colors varying from grey to tan in sections 1 and 2. Moderate to slight bioturbation in sections 3-5. Strong biscuiting occurs due to drilling.



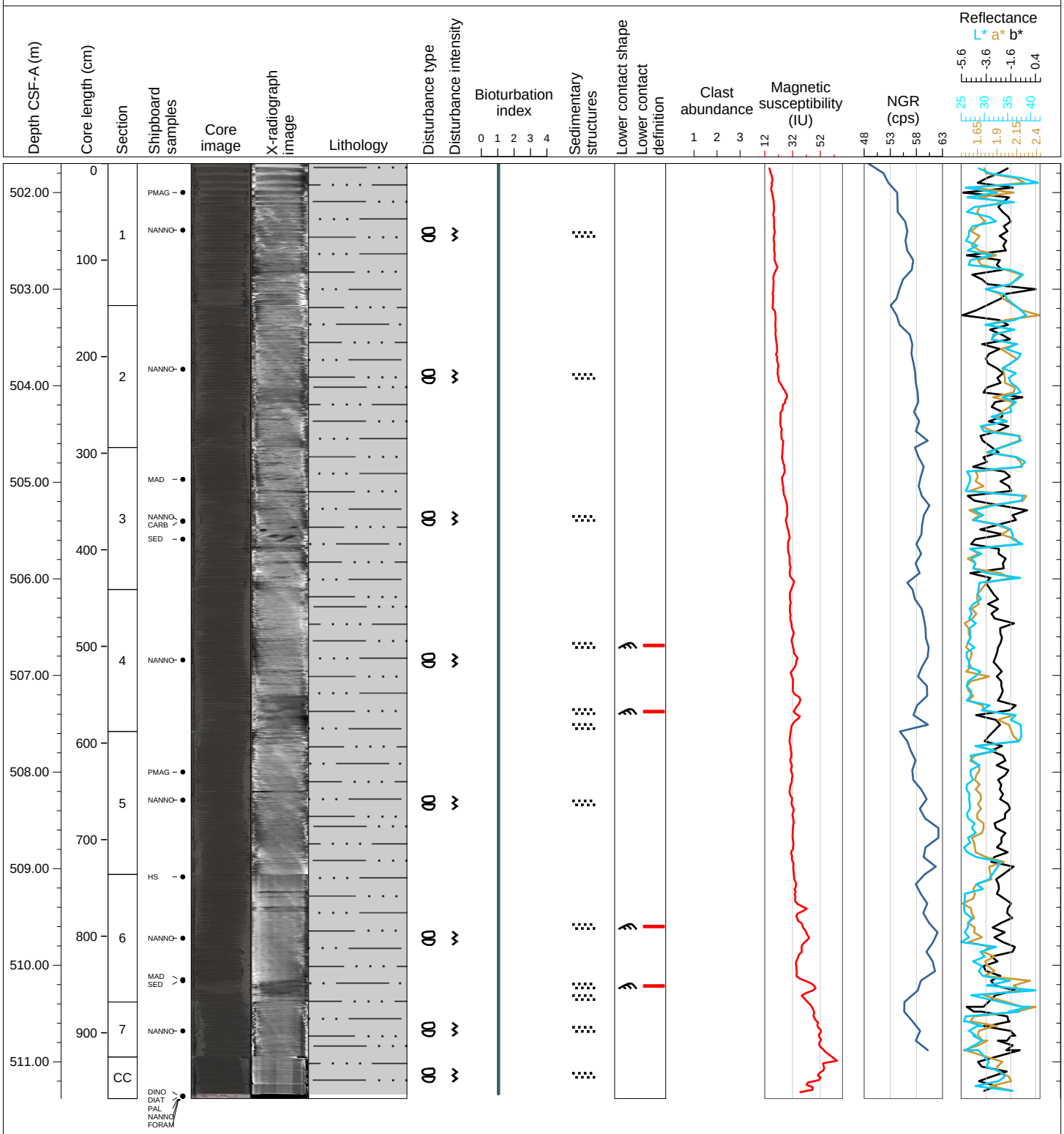
Hole 403-U1620D Core 61X, Interval 492.1-501.9 m (CSF-A)

Hard dark grey structureless silty clay. One thin light tan interval in section 5 from 50-53 cm. Slight bioturbation and strong biscuiting occurs due to drilling.



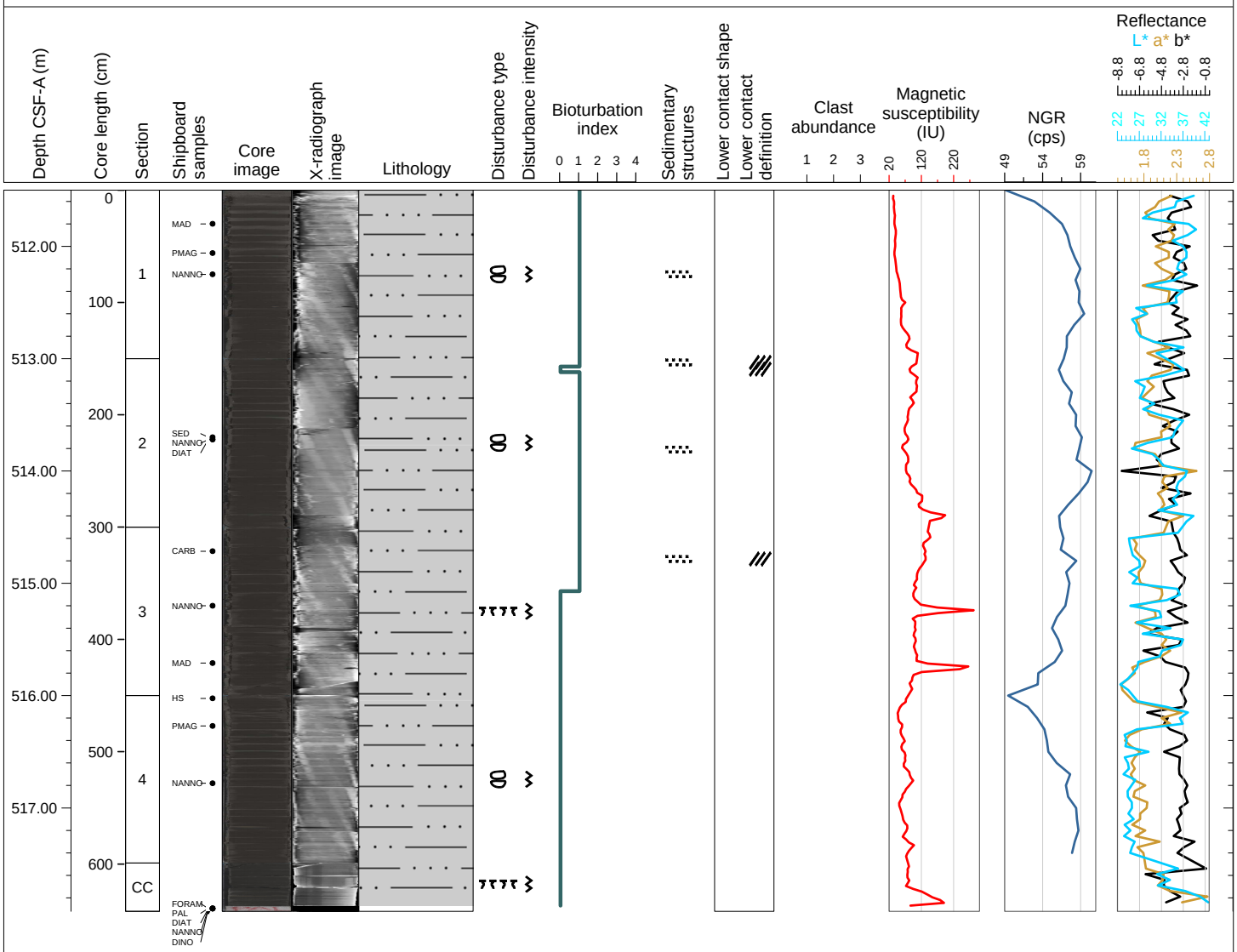
Hole 403-U1620D Core 62X, Interval 501.7-511.38 m (CSF-A)

Hard dark grey structureless silty clay. Two intervals of light tan ~15 cm in thickness in sections 4 amd 6. Slight bioturbation and strong biscuiting occurs due to drilling.



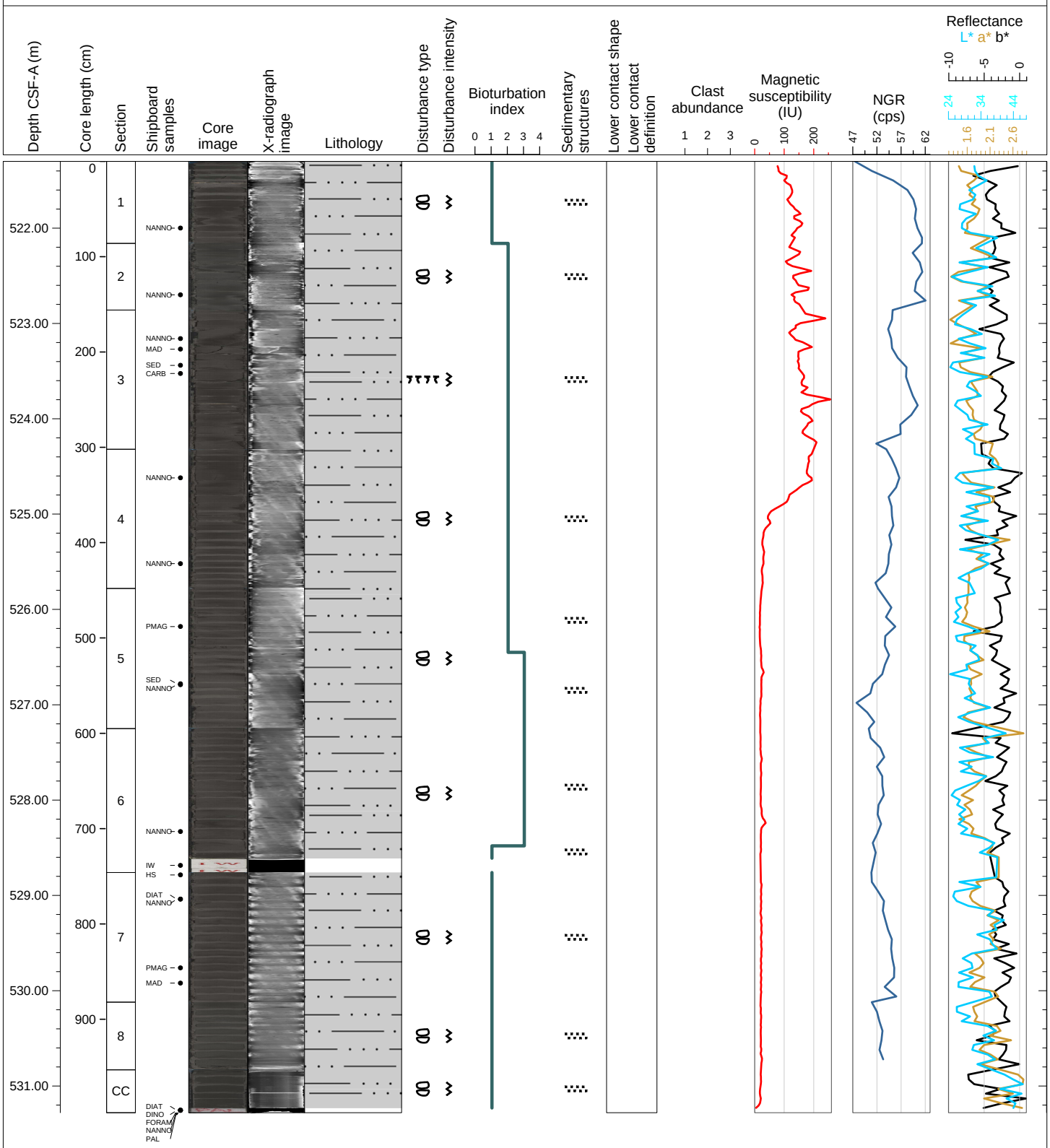
Hole 403-U1620D Core 63X, Interval 511.5-517.92 m (CSF-A)

Hard dark grey structureless silty clay. Thin laminations of colors varying from grey to tan in sections 2-4. Slight bioturbation, and strong biscuiting and fragmentation occur due to drilling.



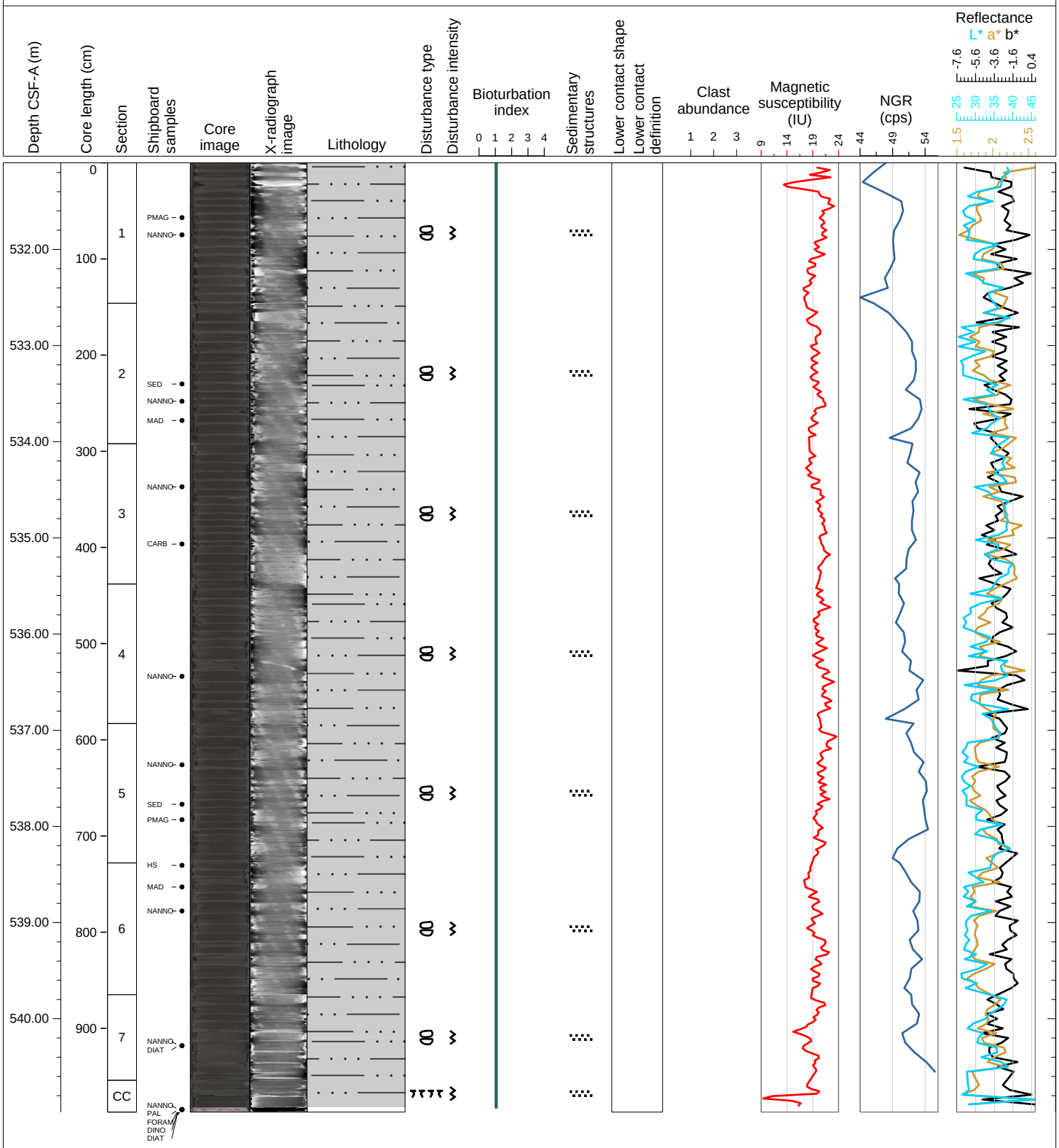
Hole 403-U1620D Core 64X, Interval 521.3-531.28 m (CSF-A)

Hard dark grey structureless silty clay. In sections 5 and 6 heavy bioturbation is seen as tan and dark patches. Heavy to slight bioturbation and strong biscuiting occurs due to drilling.



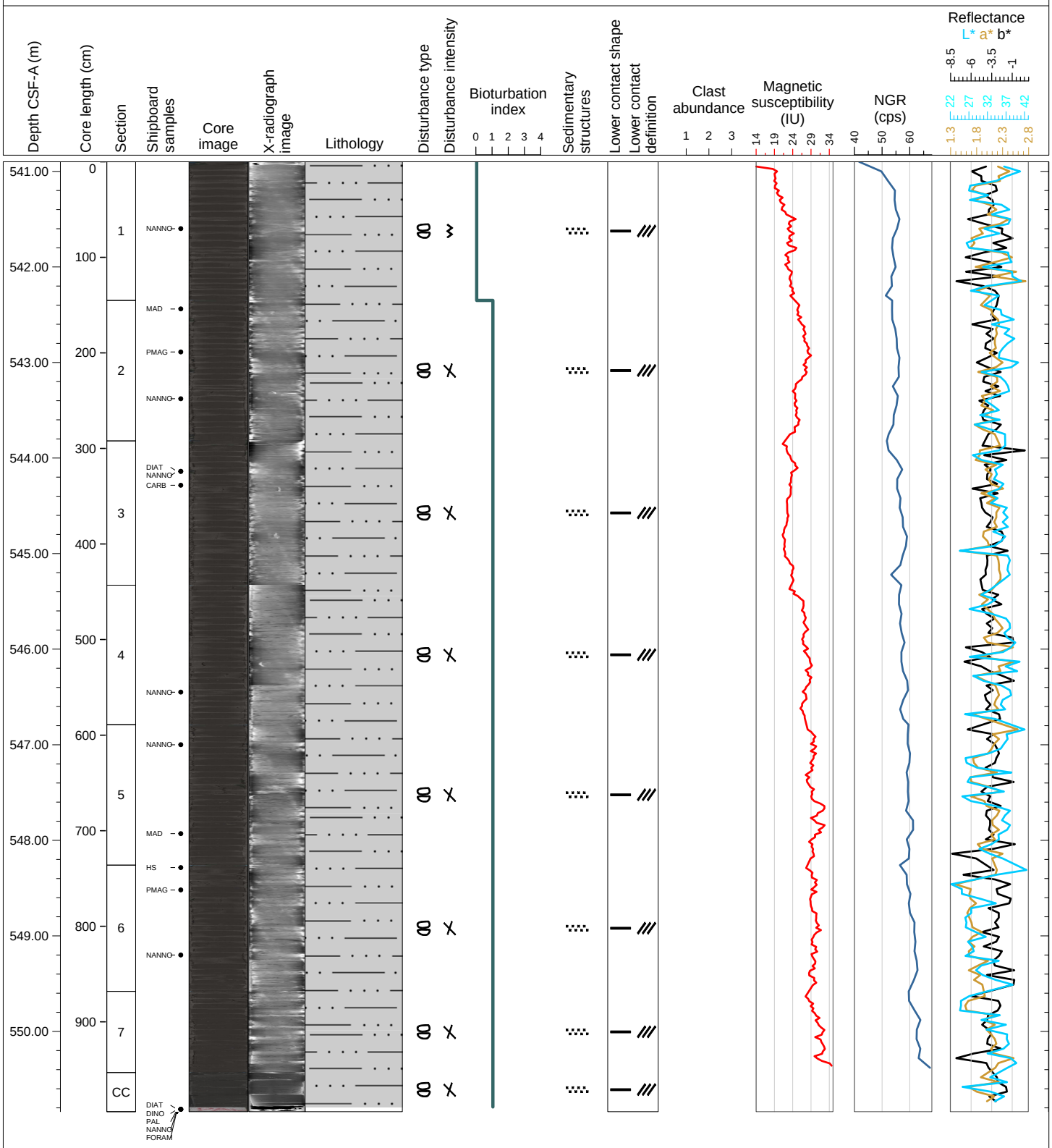
Hole 403-U1620D Core 65X, Interval 531.1-540.97 m (CSF-A)

Hard dark grey structureless silty clay. Slight bioturbation and strong biscuiting throughout all sections and strong fracturing in core catcher occur due to drilling.



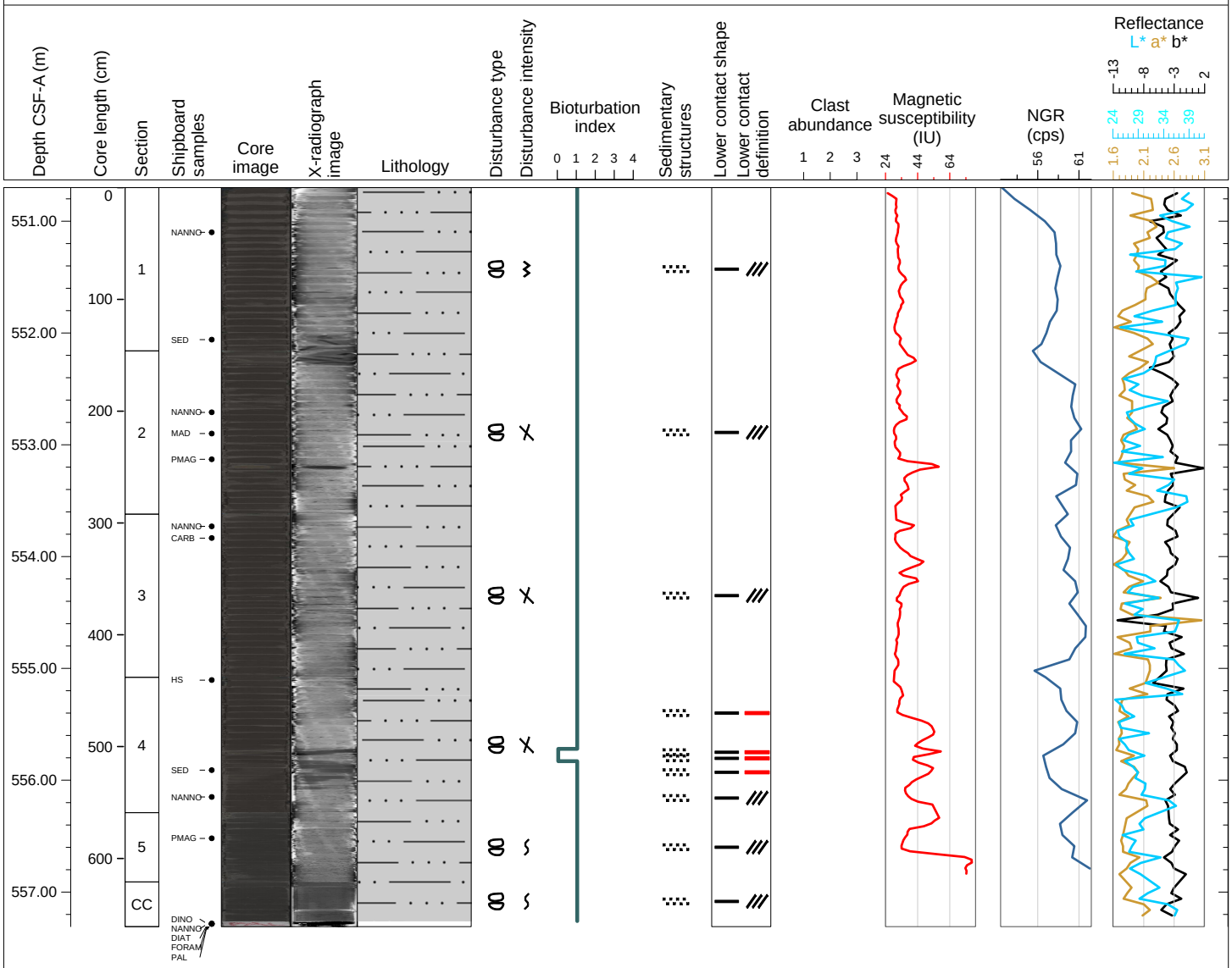
Hole 403-U1620D Core 66X, Interval 540.9-550.84 m (CSF-A)

Silty clay with no distinguishing features. Sediments are hard, structureless, with slight bioturbation and moderate to strong biscuiting.



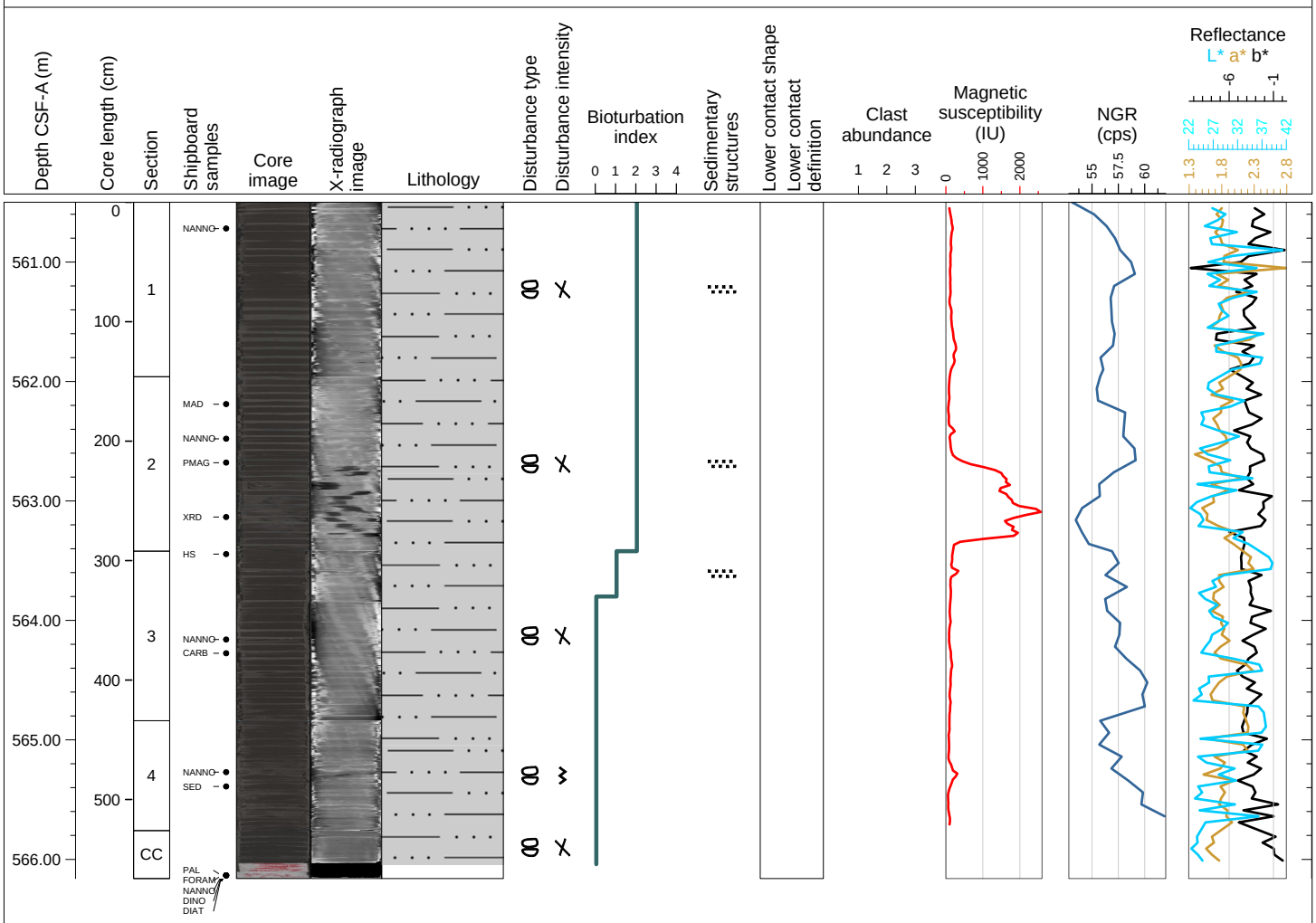
Hole 403-U1620D Core 67X, Interval 550.7-557.31 m (CSF-A)

Silty clay with elongated intervals approximately 3-4 cm in length in the center of Section 1 that appear coarser-grained and may contain greigite. There is a large clast (4cm) located 101-105 cm in Section 2 that is possibly sedimentary? There are color



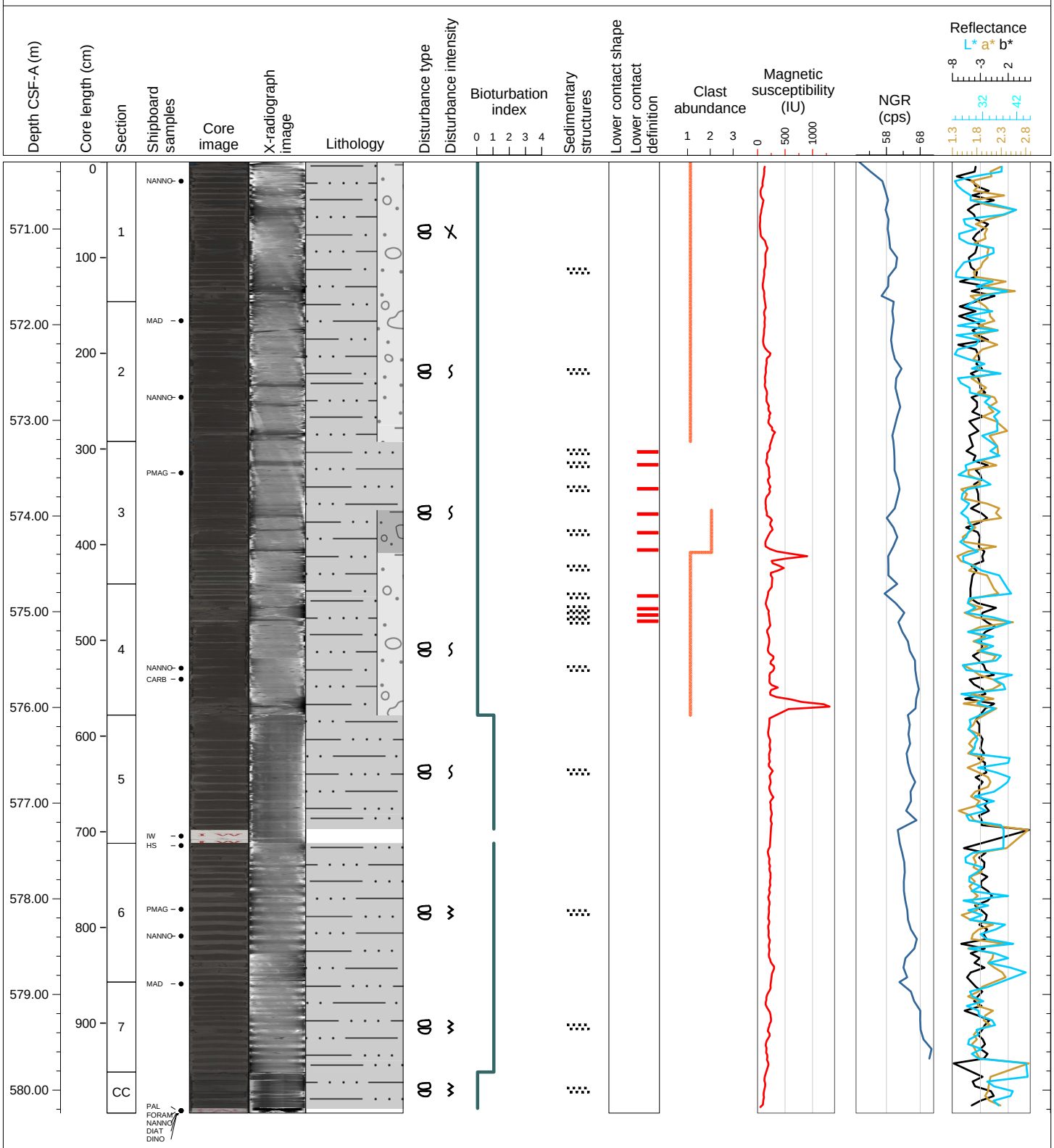
Hole 403-U1620D Core 68X, Interval 560.5-566.16 m (CSF-A)

Silty clay with abundant iron sulfide formation from 88-134cm in Section 2 and thin laminations in sections 3, 4, and the core catcher. Sediments are hard and structureless with absent to moderate bioturbation and slight to moderate biscuiting throughout.



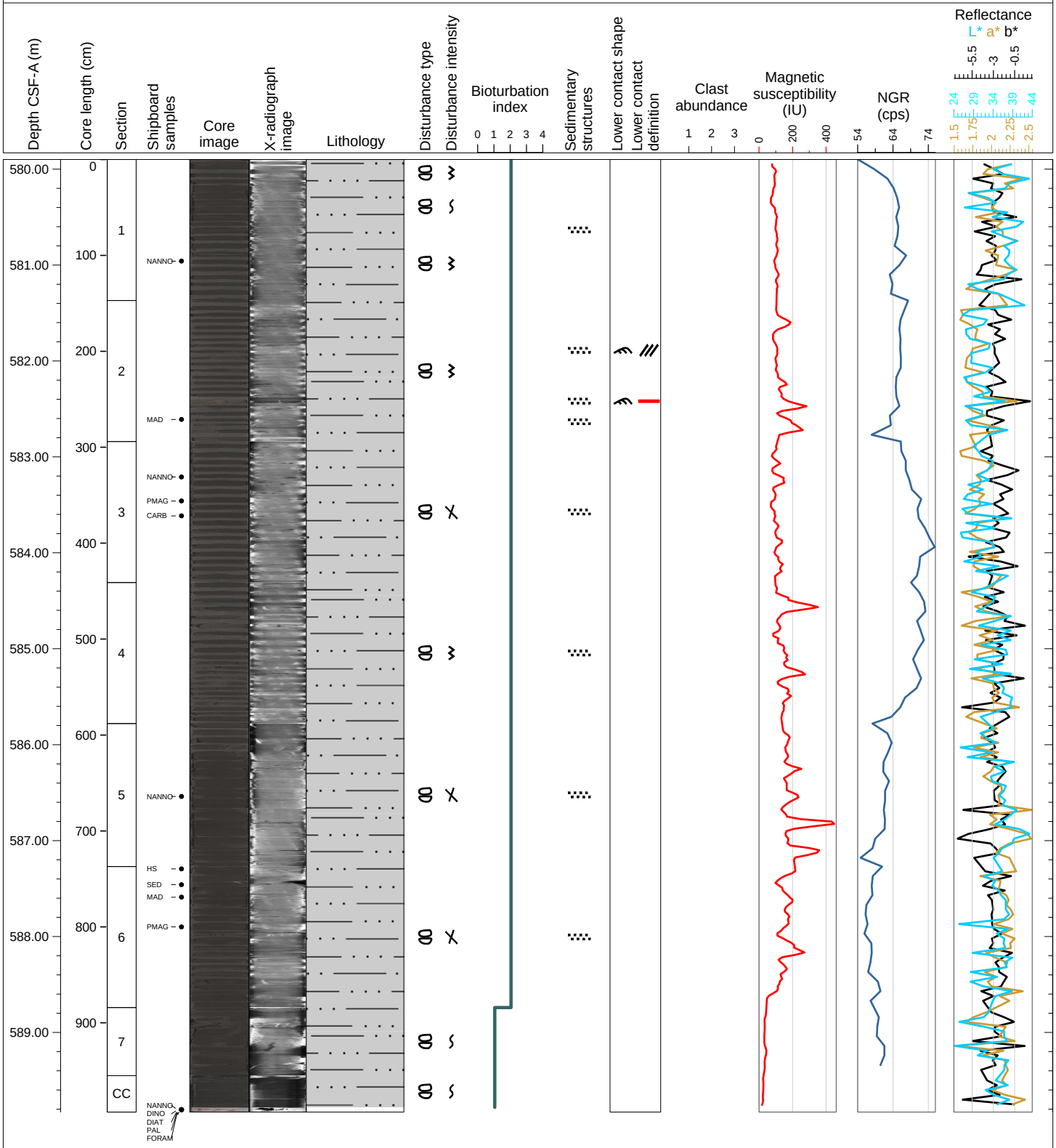
Hole 403-U1620D Core 69X, Interval 570.3-580.24 m (CSF-A)

Silty clay with dispersed to common clasts throughout Sections 1, 2, 3, and 4. There is a 1cm rounded brown clast at 29-30cm, tan marbly pattern from 88-89cm and 108-109cm. and 3cm angular gray clast at 138cm in tan interval in Section 2, a light brown co



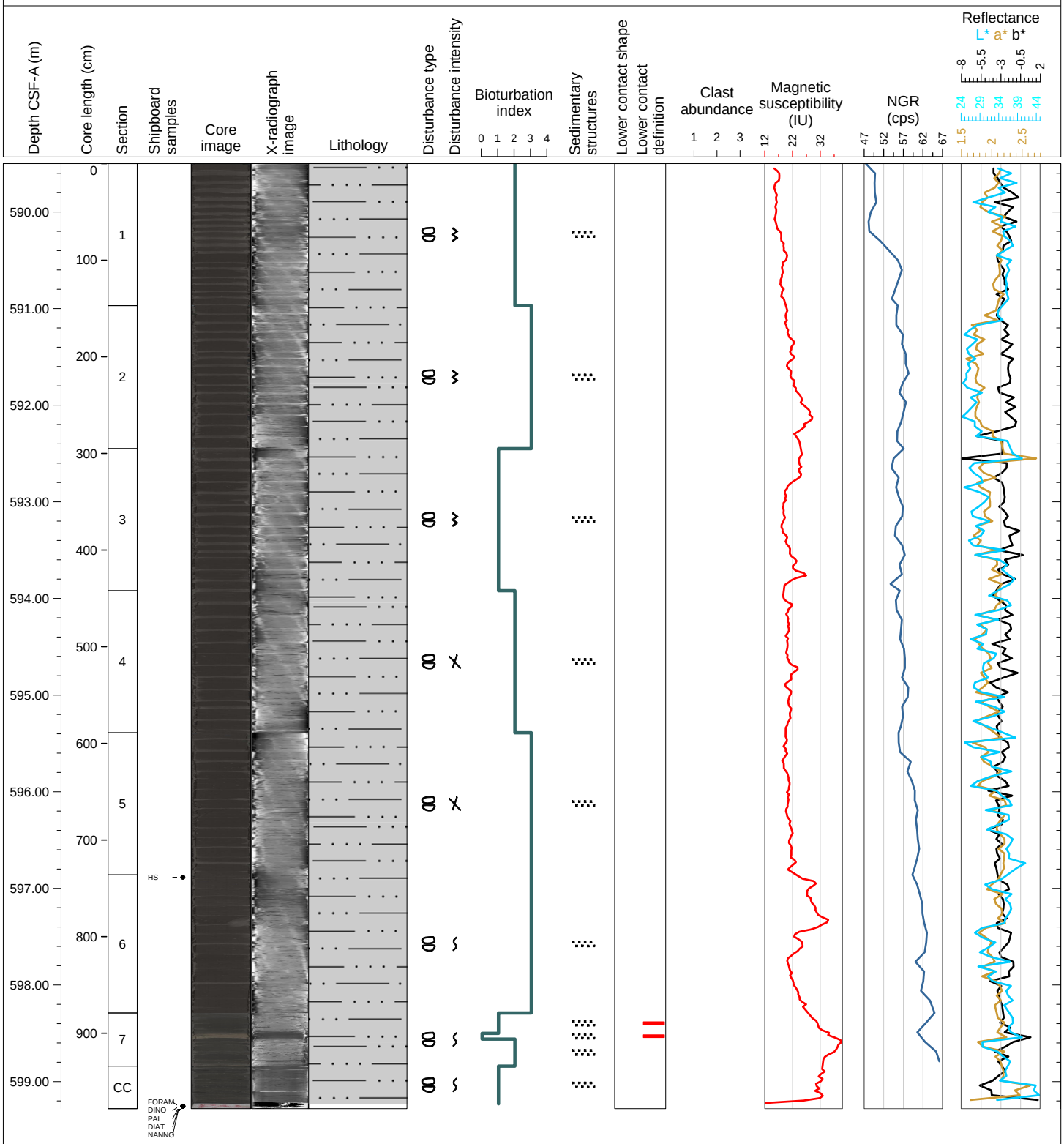
Hole 403-U1620D Core 70X, Interval 579.9-589.83 m (CSF-A)

Silty clay with authigenic carbonate in Section 2. Sediments are hard and structureless other than thin laminations in Sections 7 and the core catcher, with slight to moderate bioturbation and slight to strong biscuiting throughout.



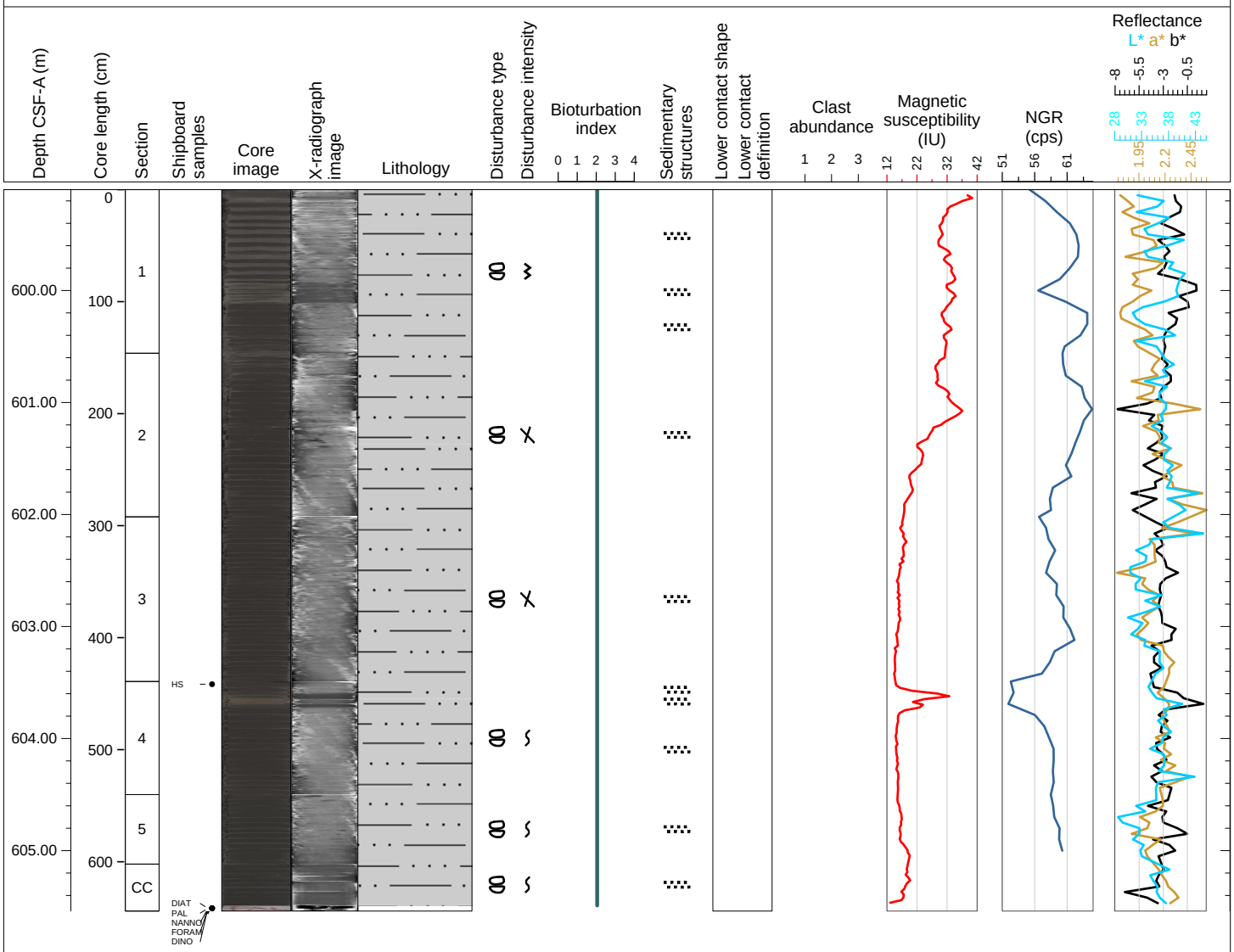
Hole 403-U1620D Core 71X, Interval 589.5-599.28 m (CSF-A)

Silty clay with light brown bioturbation likely filled with pyrite in Sections 1, 2, 3, 4, 5, 6, and the core catcher and a tan interval likely composed of authigenic carbonate in Section 7. Sediments are structureless and hard with slight to heavy biotur



Hole 403-U1620D Core 72X, Interval 599.1-605.54 m (CSF-A)

Silty clay with authigenic carbonate layers in Sections 1 and 4. Sediments are hard an structureless with biscuiting throughout.



Hole 403-U1620D Core 73X, Interval 608.7-611.21 m (CSF-A)

Clayey silt with dispersed clasts in Section 1 and a gold colored 3-4cm size pyrite nodule cluster at 46-51cm. Sediments are hard and thinly laminated with absent to moderate bioturbation and biscuiting throughout.