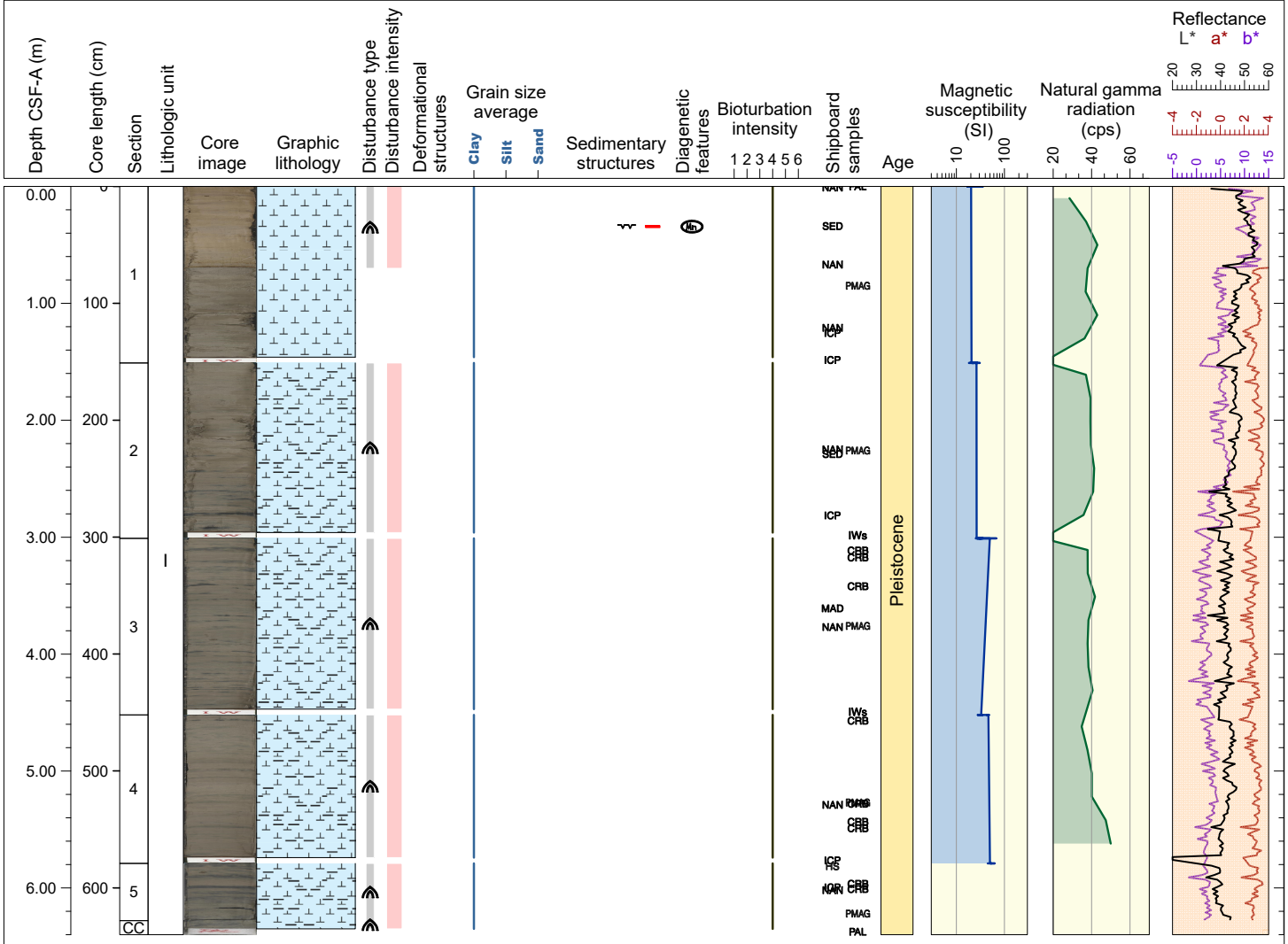
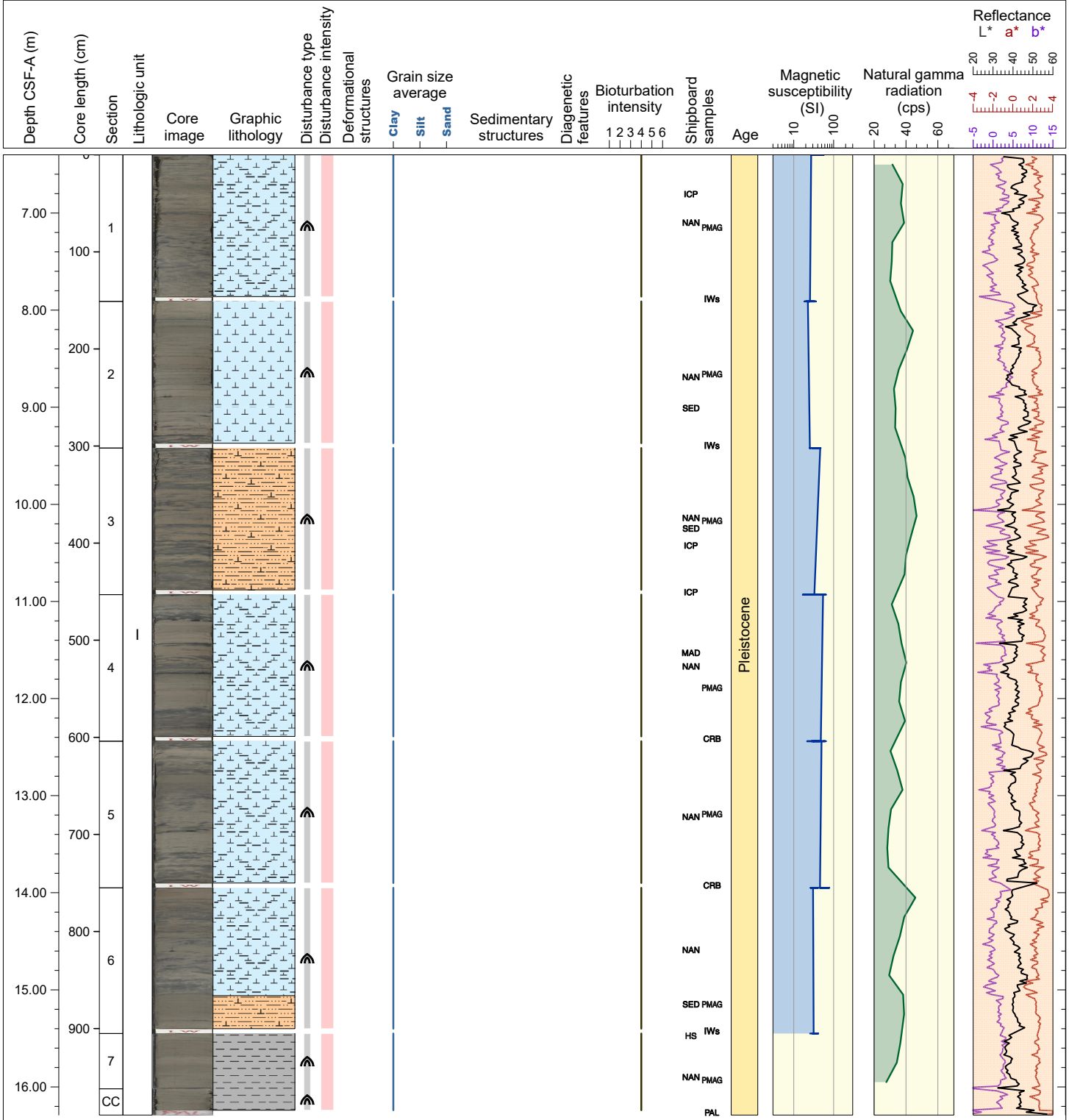
Hole 397-U1586A Core 1H, Interval 0.0-6.4 m (CSF-A)

This core consists of NANNOFOSSIL OOZE with varying amounts of clay. The contacts between lithologies are mostly gradual and a sharp contact is observed in Section 1 at 69 cm. Dark patches and layers throughout the core are observed. A manganese layer is present at Section 1 at 69 cm. The whole core is moderate bioturbated. Most of the core is slightly deformed with up-arching beds drilling disturbed.



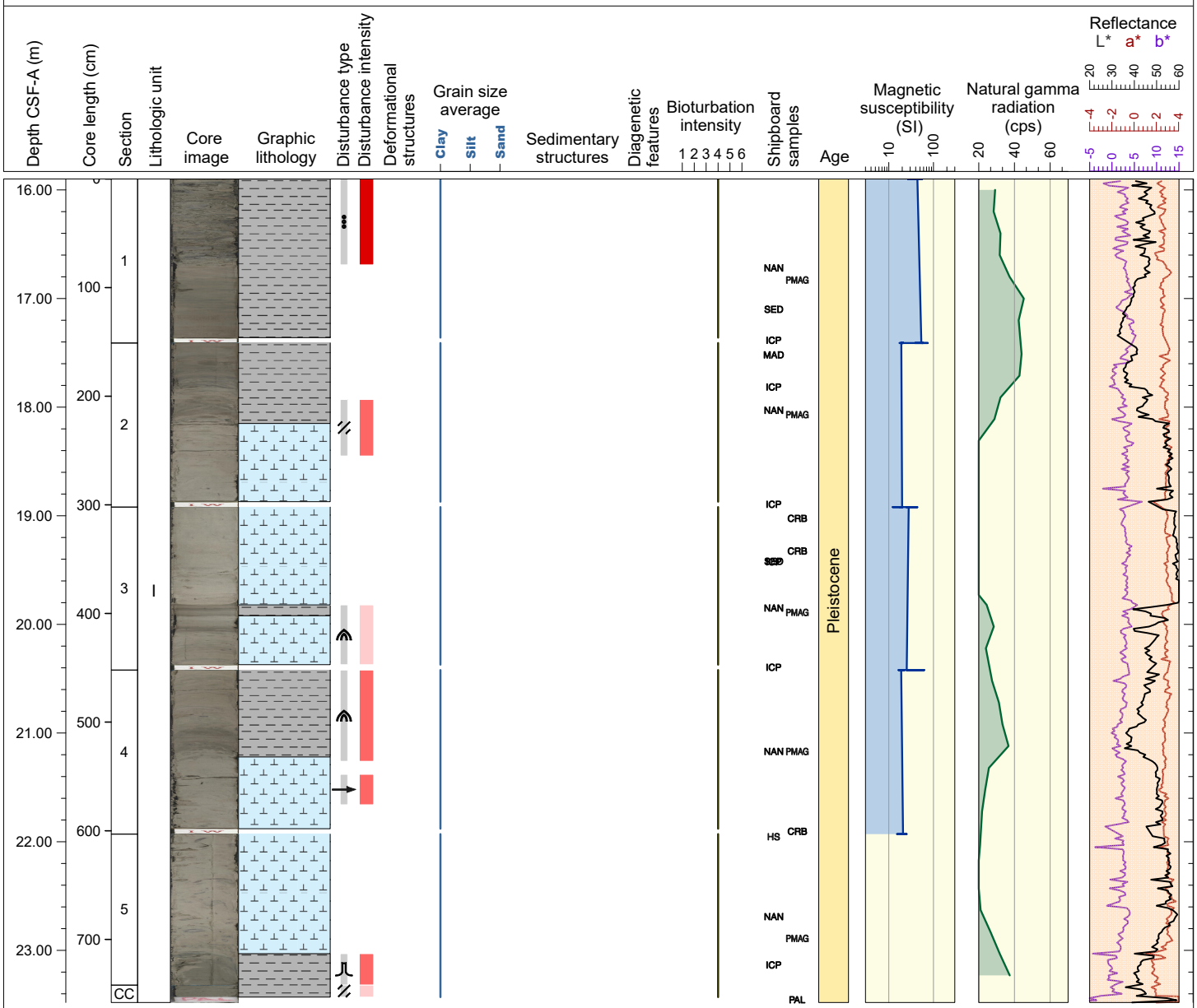
Hole 397-U1586A Core 2H, Interval 6.4-16.29 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH SILT, intercalating with NANNOFOSSIL CLAY in Sections 3 and 2 and CLAY in Section 7 and CC. Dark patches are observed throughout the core. Bioturbation throughout the core is moderate. Most of the core is slightly deformed with up-arching drilling disturbance.



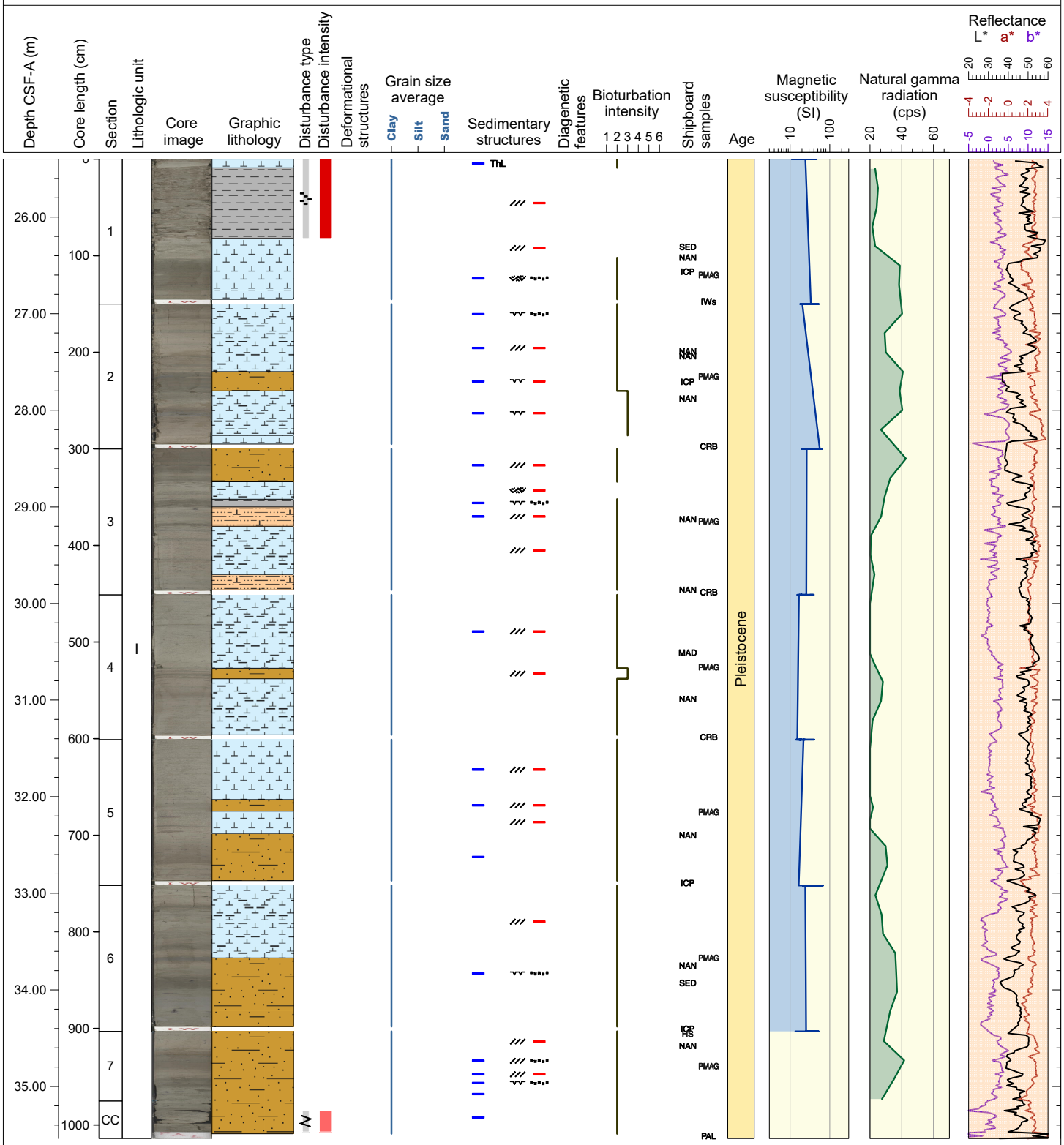
Hole 397-U1586A Core 3H, Interval 15.9-23.48 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE, intercalating with CLAY with varying amounts of nannofossil and biogenic carbonate. There are dark patches throughout the core. Bioturbation is moderate throughout the core. About half of the core is affected by moderate to strong drilling disturbances of different types (up-arching, core extension, flow-in and crack).



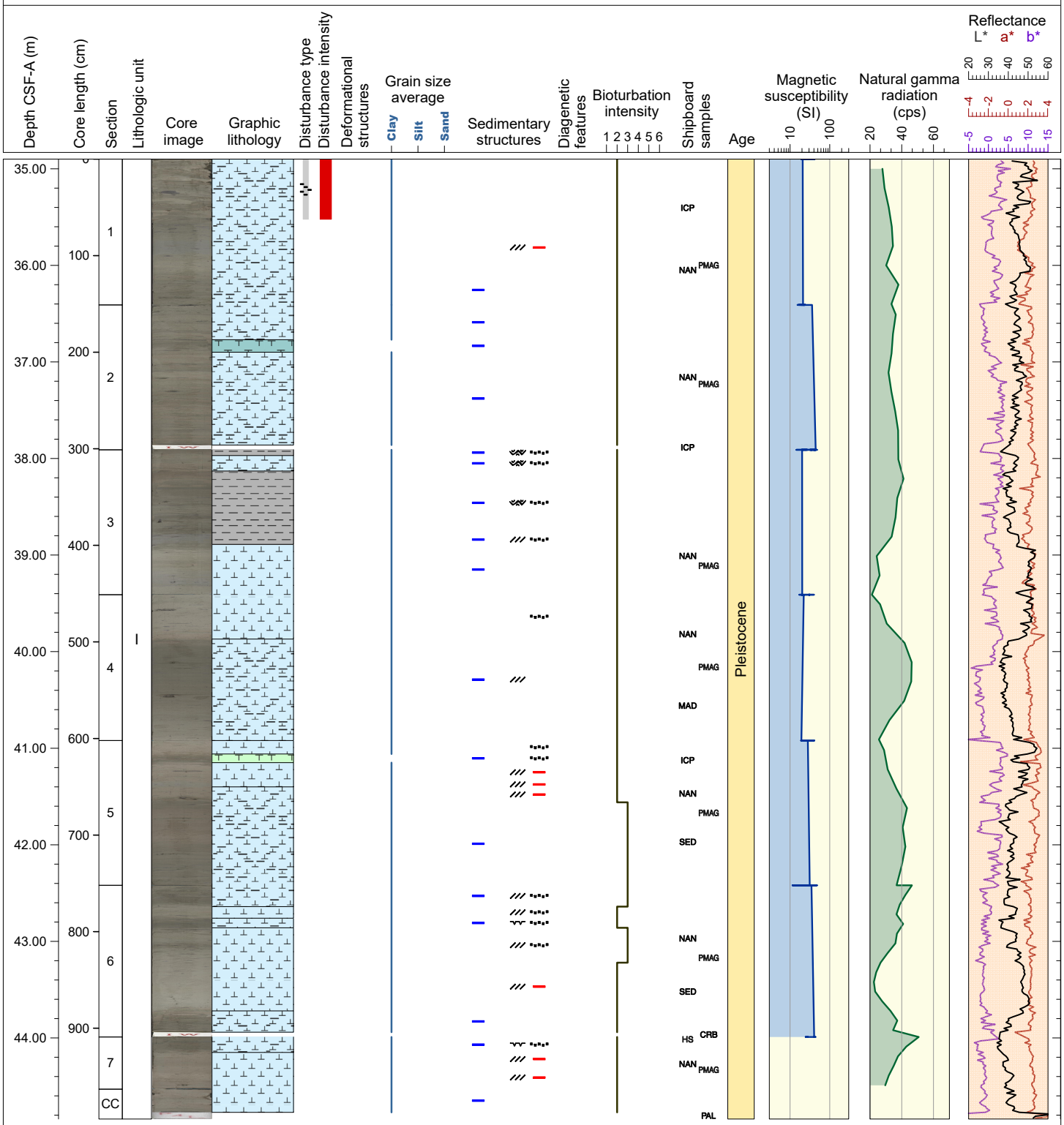
Hole 397-U1586A Core 4H, Interval 25.4-35.54 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE intercalating with SILTY CLAY and SILTY CLAY WITH FORAMINIFERS. The contacts between lithologies are mostly gradational. Most of the core shows color banding and dark patches are found in sections 3 and 6. Bioturbation is sparse to slight and some of the burrows are black stained. The first 82 cm of Section 1 are strongly disturbed and are in a slurry condition. The sediment in the core catcher is fragmented.



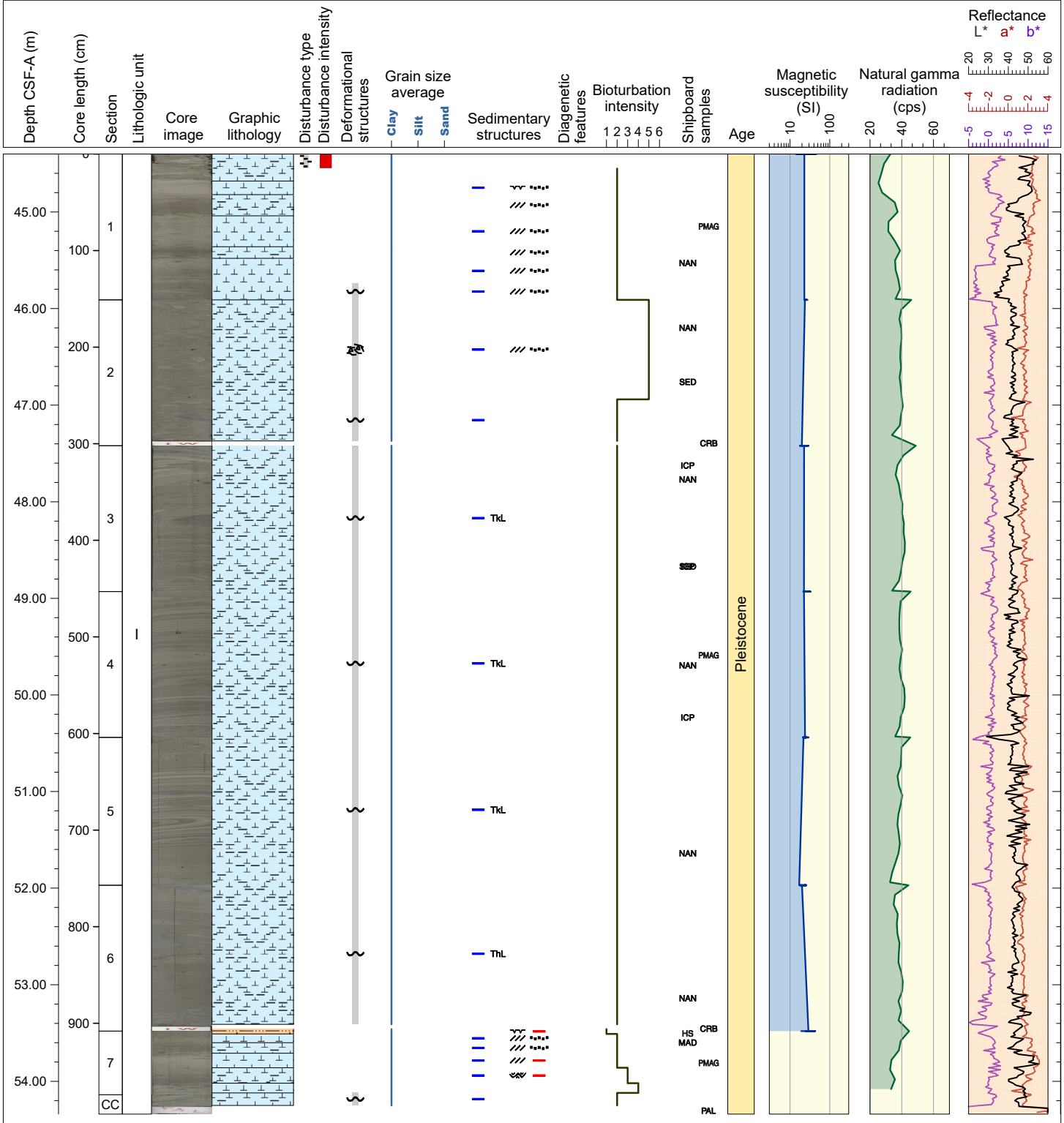
Hole 397-U1586A Core 5H, Interval 34.9-44.84 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay and foraminifers. The contact between lithologies are mostly gradational. Most of the core presents color banding and dark patches are found throughout the core. The bioturbation is sparse, except for Section 5, 64 cm to Section 6, 22 cm and Section 6, 44-80 cm for which it is slight. Dropstones of up to 2cm in size are present at Section 3, 53-54 cm and Section 5, 58-62 cm. The first 63 cm of Section 1 are strongly disturbed and are in a slurry condition.



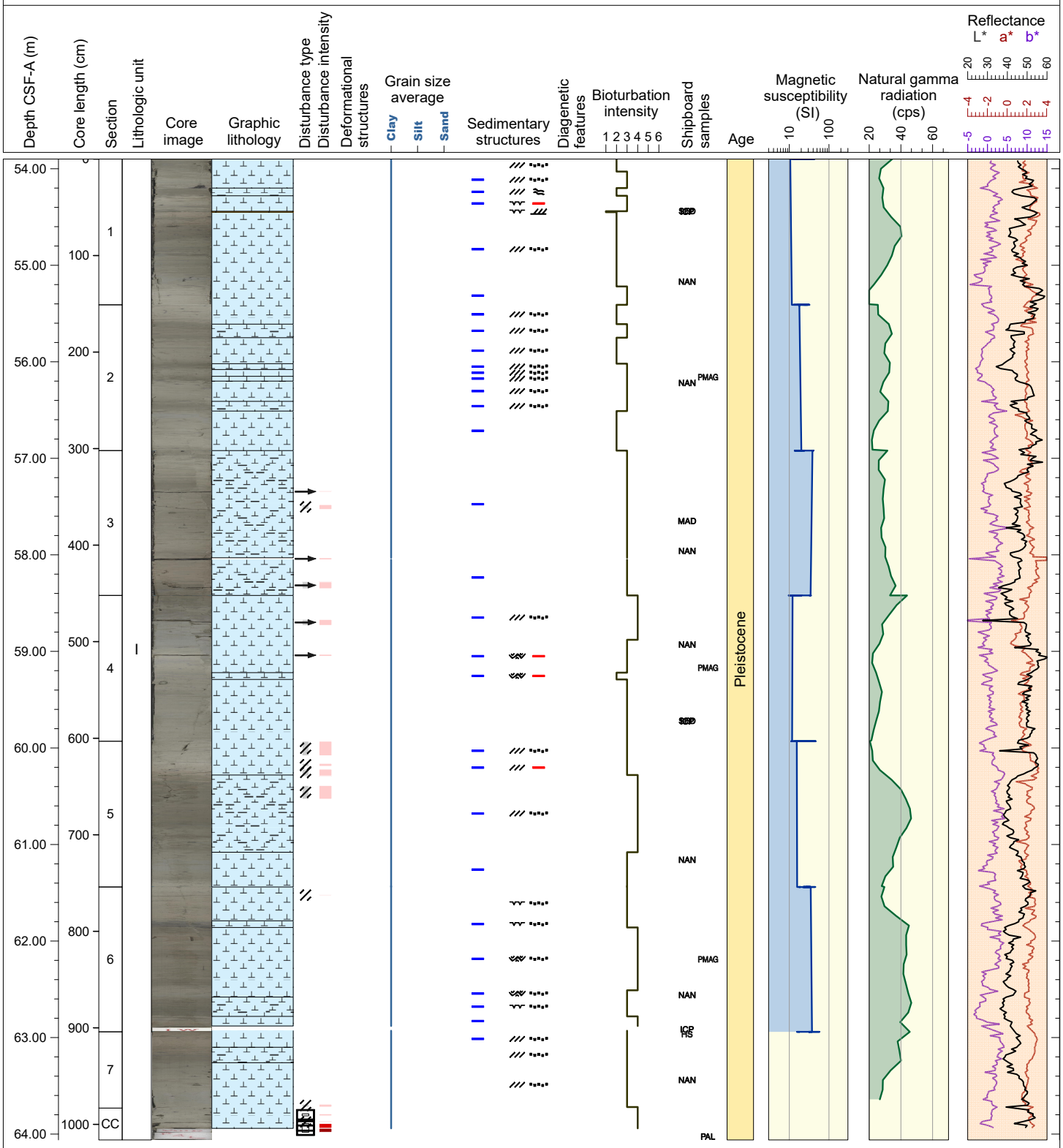
Hole 397-U1586A Core 6H, Interval 44.4-54.34 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay and foraminifers. The contact between lithologies are mostly gradational. Most of the core presents color banding and minor dark patches are found throughout the core. The majority of the core shows contorted bedding in tight folds. The majority of the core is sparsely bioturbated, except for Section 7, 40-66 cm where there is up to moderate bioturbation. The top 15 cm of the core are strongly disturbed and are in a slurry condition.



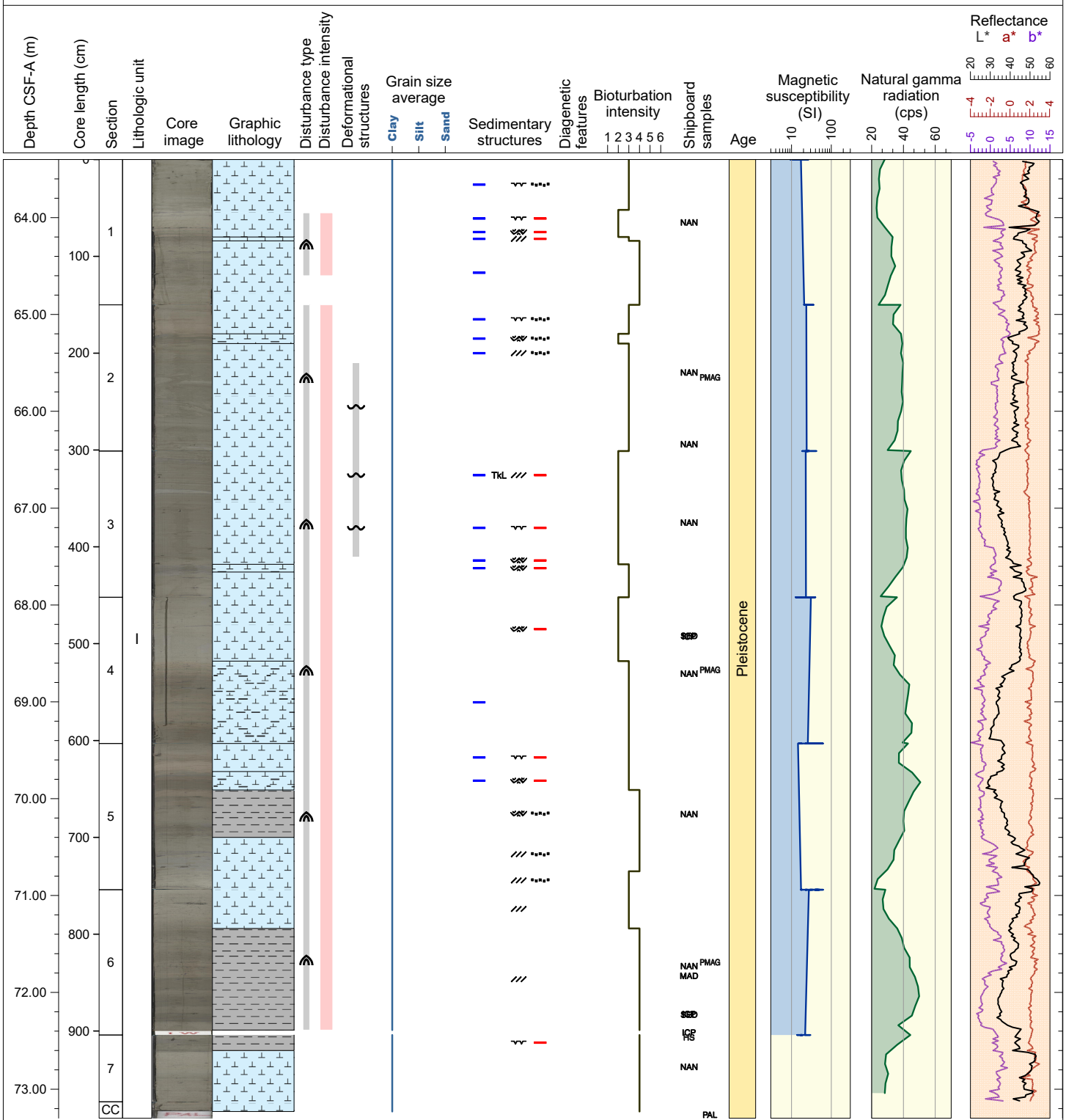
Hole 397-U1586A Core 7H, Interval 53.9-64.06 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay and foraminifers. Contact between the lithologies are bioturbated and irregular. Most of the core presents color banding and minor dark patches are found throughout the core. Most of the core presents color banding and dark patches are found throughout the core. On average the core is slightly bioturbated. The core is slightly disturbed by extension and cracking throughout.



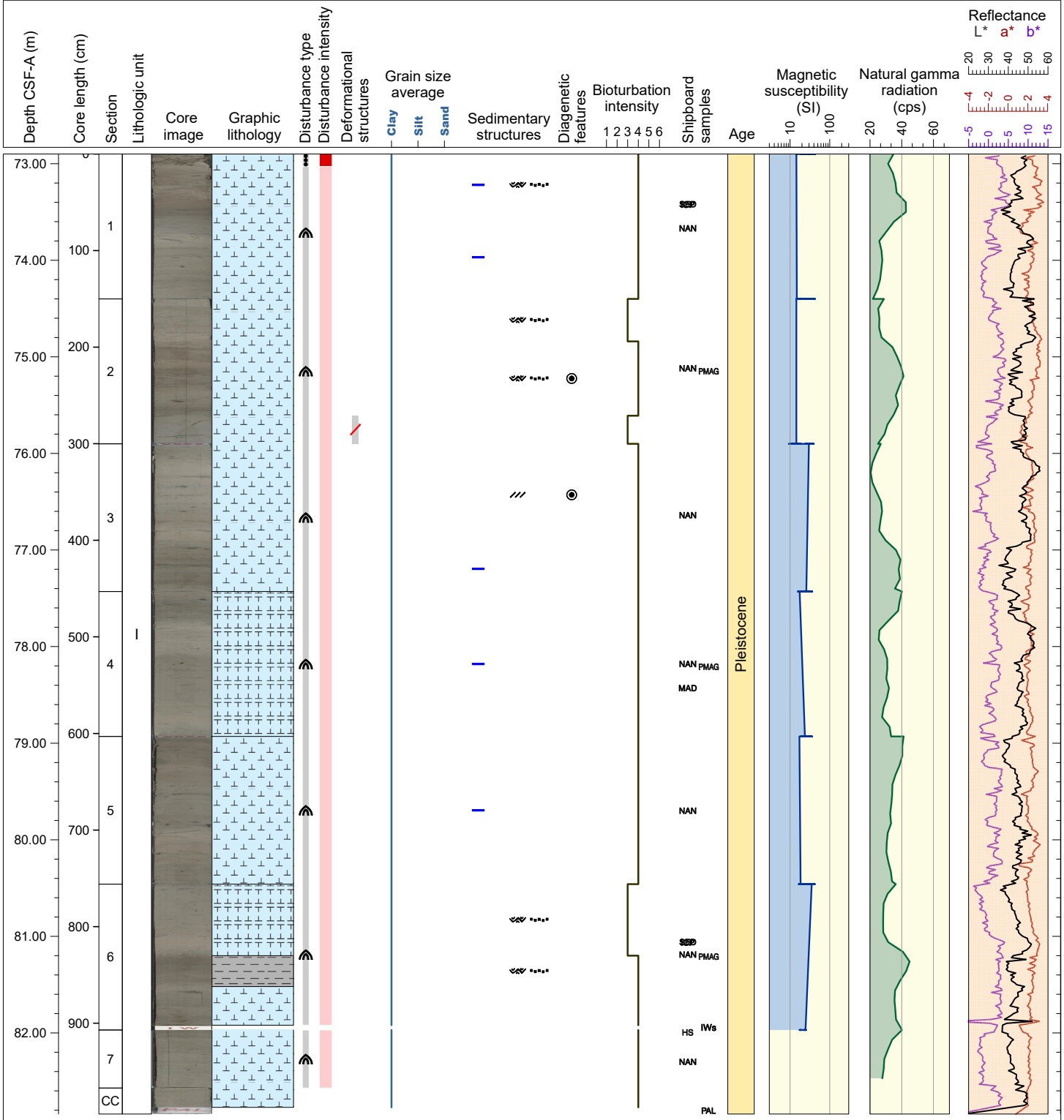
Hole 397-U1586A Core 8H, Interval 63.4-73.3 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay, carbonate and foraminifers. Contacts between lithologies vary from gradational to sharp, with a sharp boundary in Section at 52 cm and 70 cm and in Section 5 at 29 cm. Sections 2 and 3 show contorted bedding. Most of the core presents color banding and dark patches and black lined burrows. The core presents bioturbation that vary from sparse to moderate. The core presents slight up arching drilling disturbance.



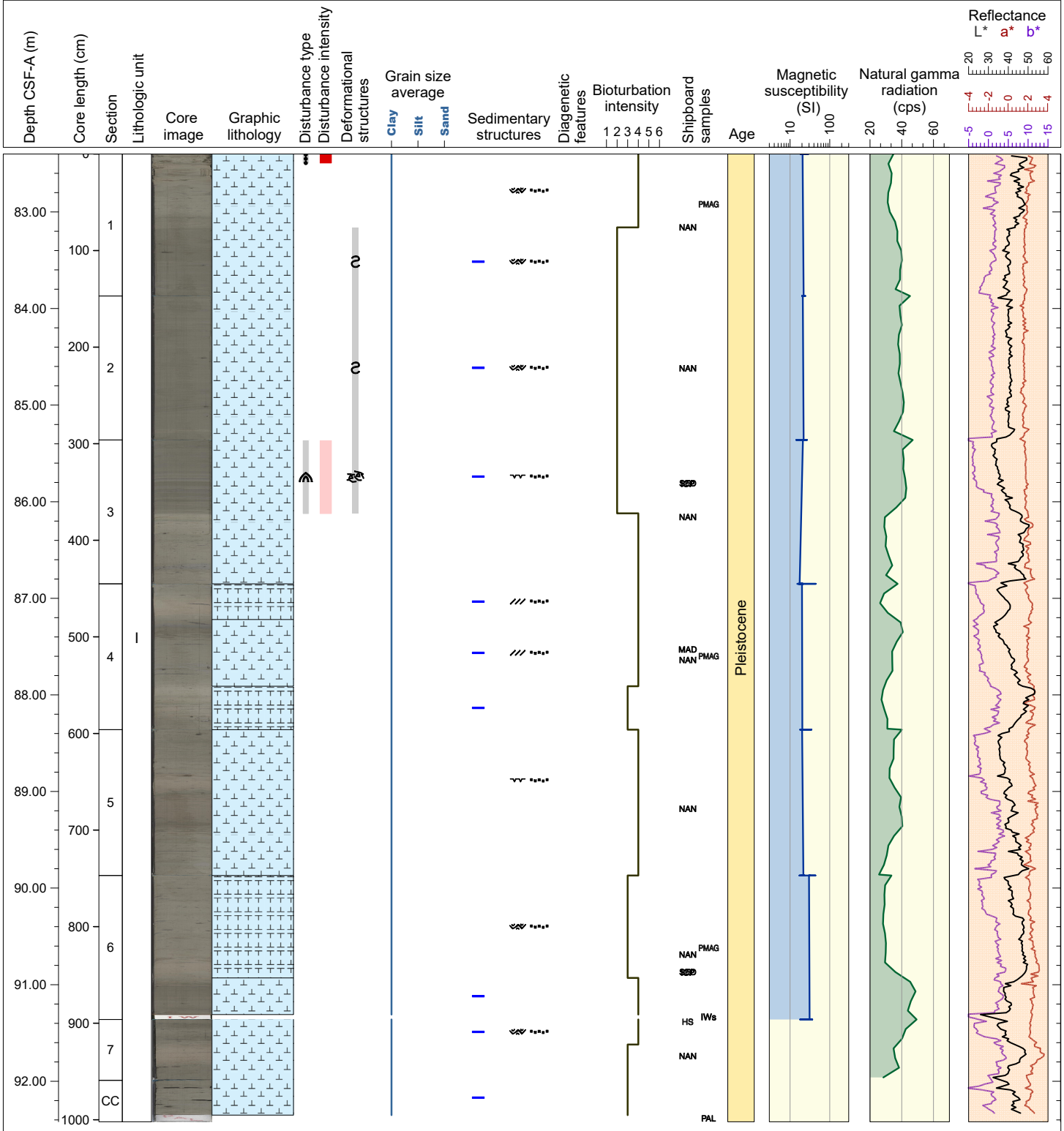
Hole 397-U1586A Core 9H, Interval 72.9-82.84 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay, carbonate and foraminifers intercalating with CALCAREOUS OOZE in Sections 4 and 6 and CLAY CARBONATE in Section 6. Contacts between lithologies varies from gradational to sharp. Most of the core presents dark patches and color banding are observed in Sections 1, 3, 4 and 5. Nodules are observed in burrow in Sections 2 at 106 cm and 3 at 45 cm. A fault is observed in Section 2. Bioturbation vary from slight to moderate and the core presents strongly soupy and slight up-arching drilling disturbance.



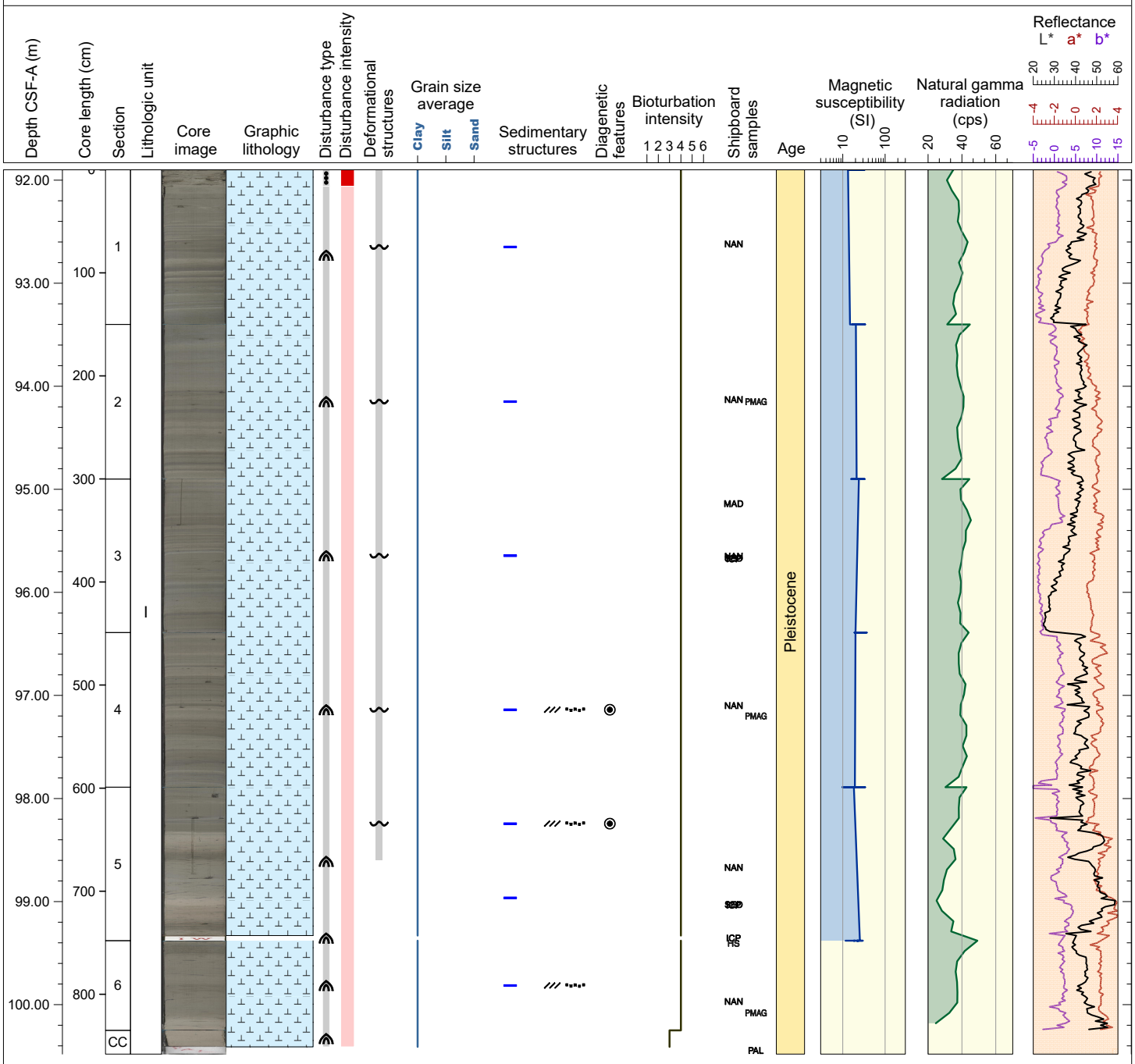
Hole 397-U1586A Core 10H, Interval 82.4-92.42 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay, intercalating with CALCAREOUS OOZE in Sections 4 and 6. Contacts between lithologies are mostly bioturbated, irregular and sharp to gradual. Color banding and dark layers and patches are commonly observed throughout the core. Slump fold features with some contorted bedding are observed in Sections 1 and 2 and in Section 3 from 5 to 9 cm and 14 to 17 cm. Bioturbation is sparse to moderate and the core present strong soupy drilling disturbance in Section 1 and slight up-arching drilling disturbance in Section 3.



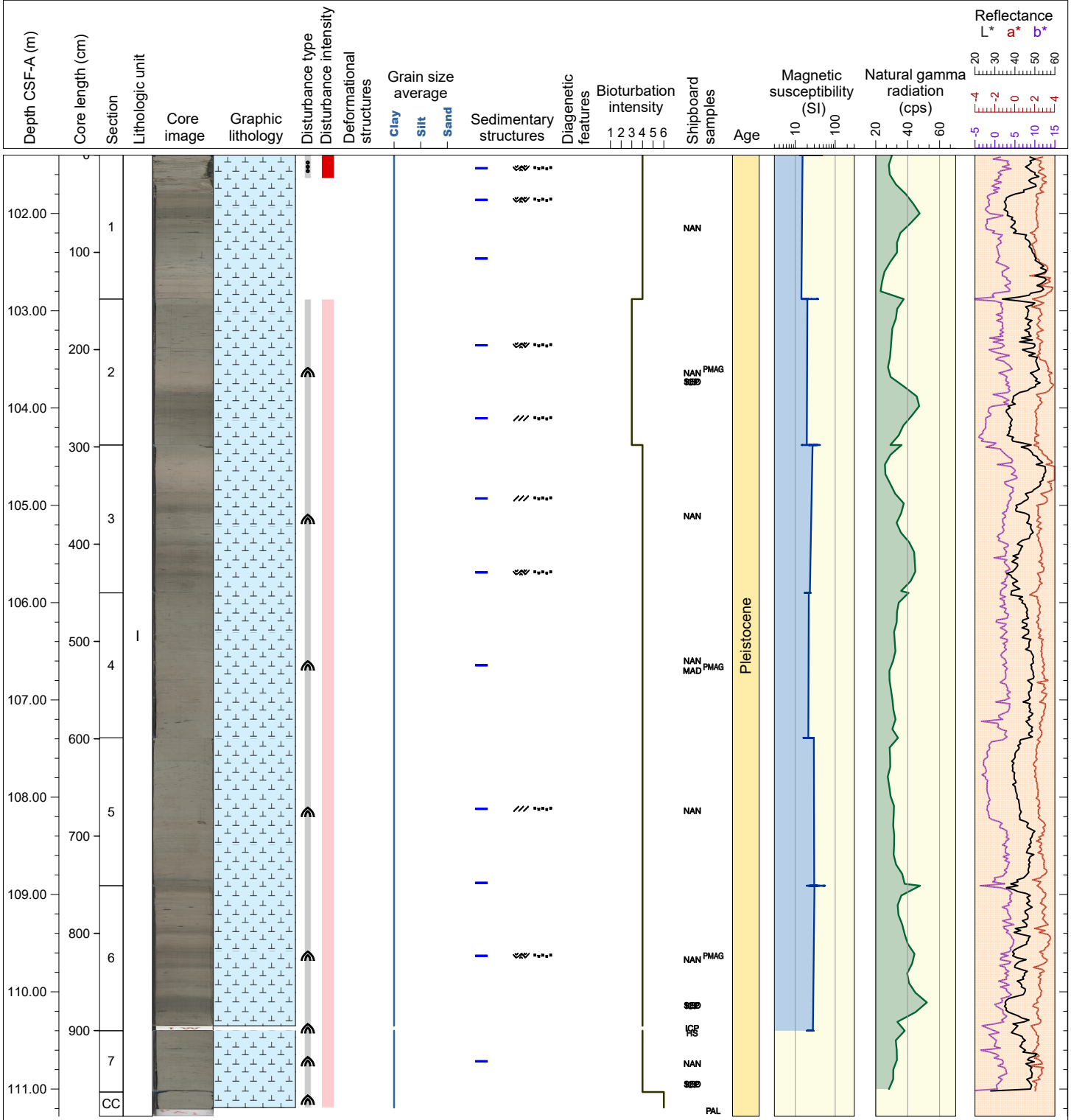
Hole 397-U1586A Core 11H, Interval 91.9-100.48 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay and carbonate. Contacts between lithologies are mostly bioturbated, irregular and gradational. Color banding is observed throughout the core and small dark patches are observed in Section 7. Nodules filling burrows are observed in Section 5 at 48 cm and in Section 6 at 9 and 89 cm. Contorted beds are observed in Section 1 from 40 to 80 cm and in Section 6 from 30 to 36 cm. Bioturbation is slight to moderate and core presents strong soupy and slight up-arching drilling disturbance.



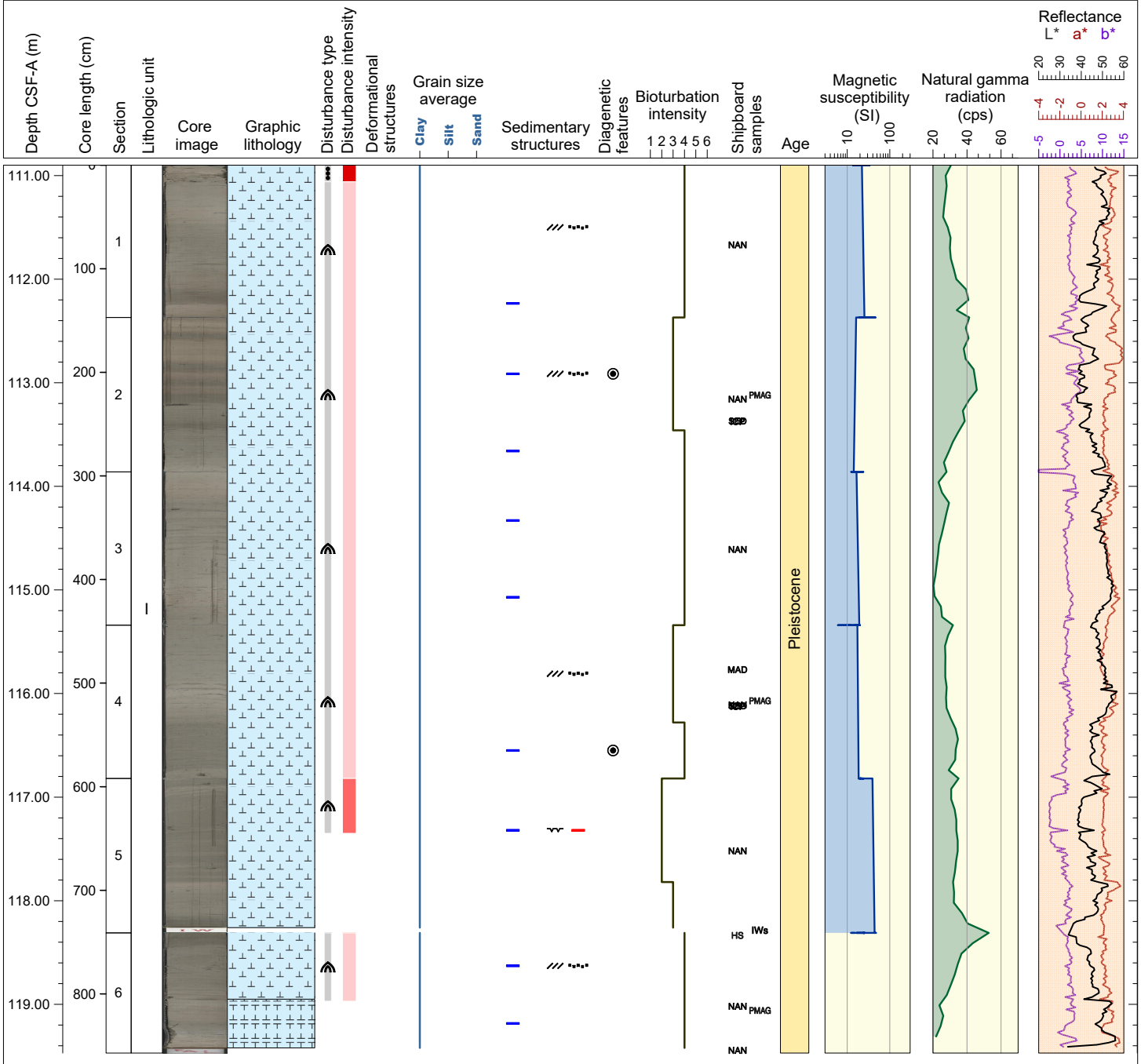
Hole 397-U1586A Core 12H, Interval 101.4-111.28 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay and carbonate. Contacts between lithologies are mostly bioturbated, straight to irregular and sharp to gradual. Color banding is observed throughout the core and small dark patches are observed in CC. Bioturbation varies from sparse to complete bioturbated. The core presents strong soupy drilling disturbance in Section 1 and slight up-arching in the other sections.



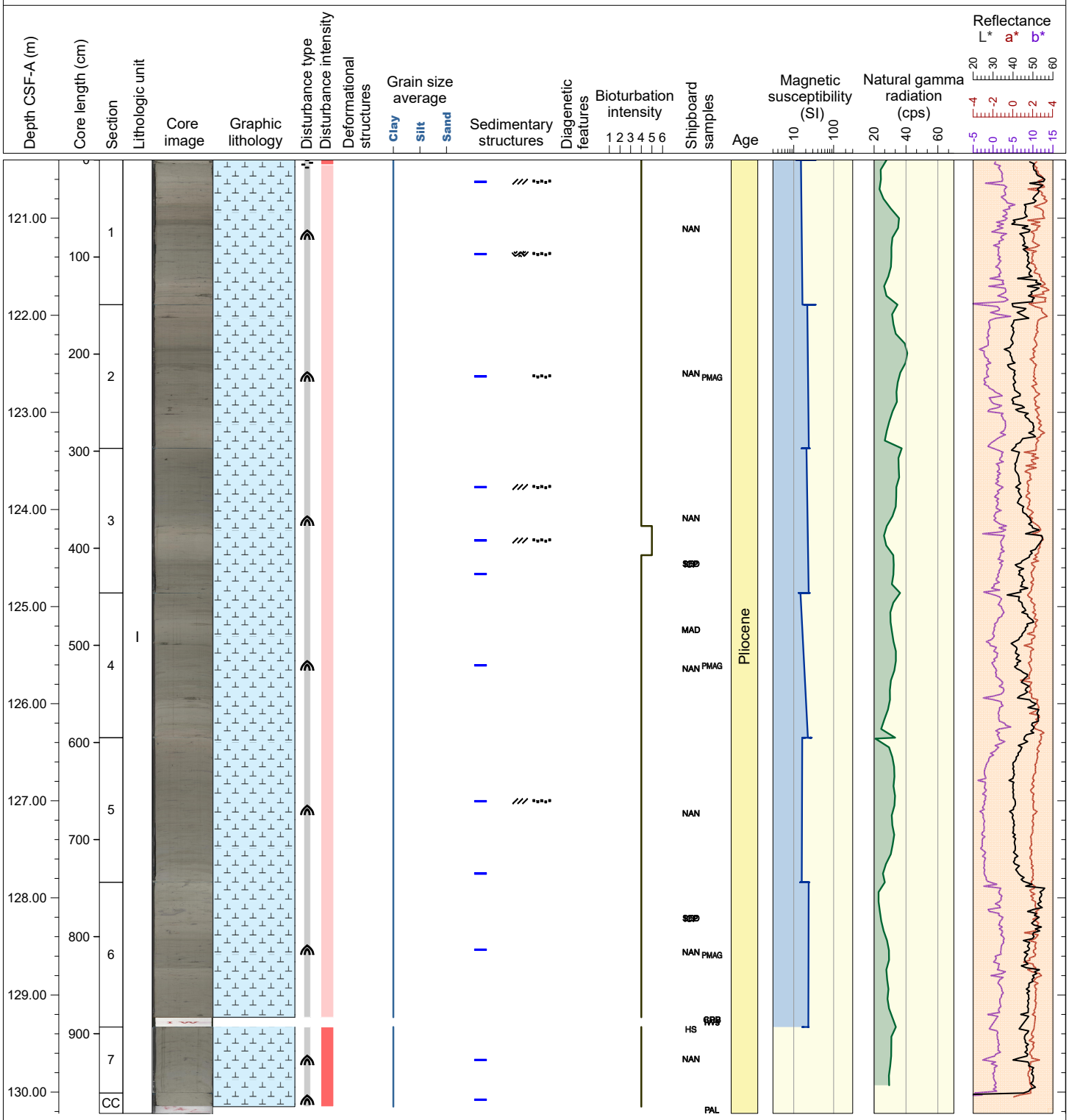
Hole 397-U1586A Core 13H, Interval 110.9-119.47 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. Contacts between lithologies are mostly bioturbated, irregular and gradational, with a sharp boundary in Section 5 at 100 cm. Color banding and dark patches are observed throughout the core. Nodules filling burrows are observed in Sections 2 at 85 cm and 4 at 144 cm. Bioturbation varies from sparse to moderate and the core presents strong soupy drilling disturbance in Section 1 and slight to moderate up-arching drilling disturbance in the other sections.



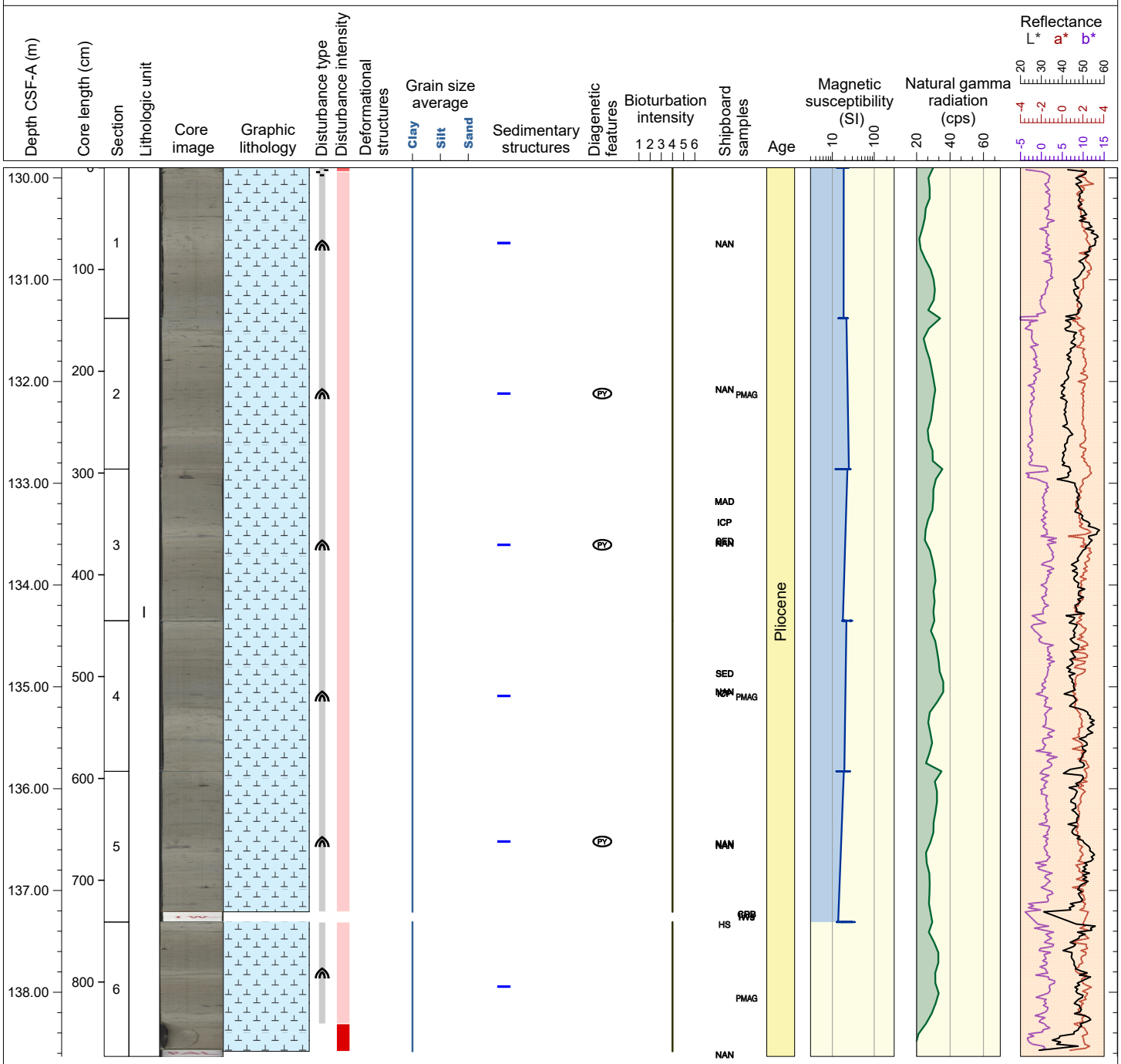
Hole 397-U1586A Core 14H, Interval 120.4-130.22 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay and carbonate. Contacts between lithologies are mostly bioturbated and gradational. Color banding are observed throughout the core and bioturbation varies from moderate to heavy. The core presents moderate slurry drilling disturbance in Section 1 and slight to moderate up-arching drilling disturbance.



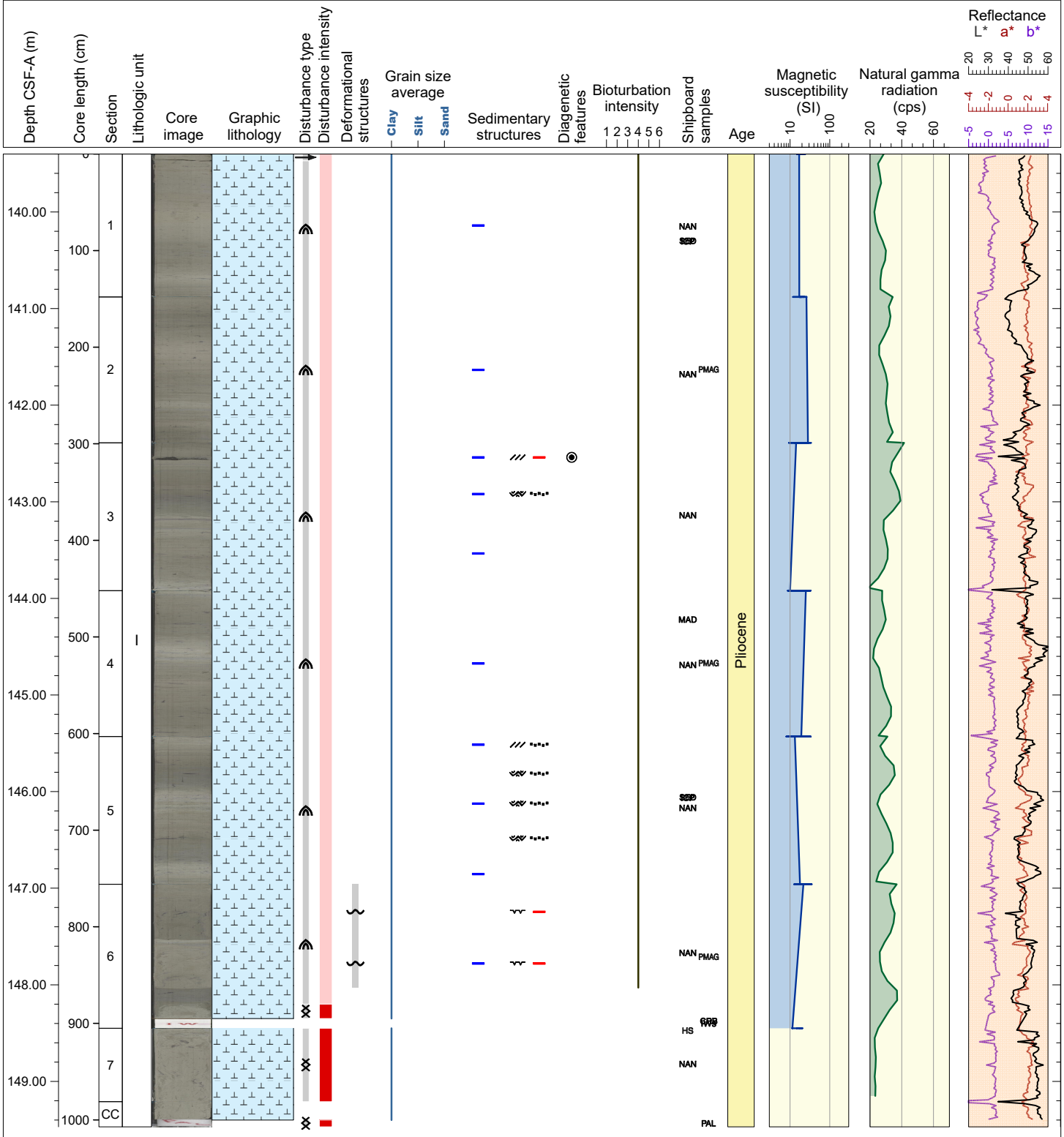
Hole 397-U1586A Core 15H, Interval 129.9-138.63 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. Color banding is observed throughout the core and nodules, possibly pyrite, are observed in Section 2 at 28 cm, Section 3 at 8 cm and in Section 5 at 14 cm. Bioturbation is moderate and the core presents mostly slight up-arching drilling disturbance.



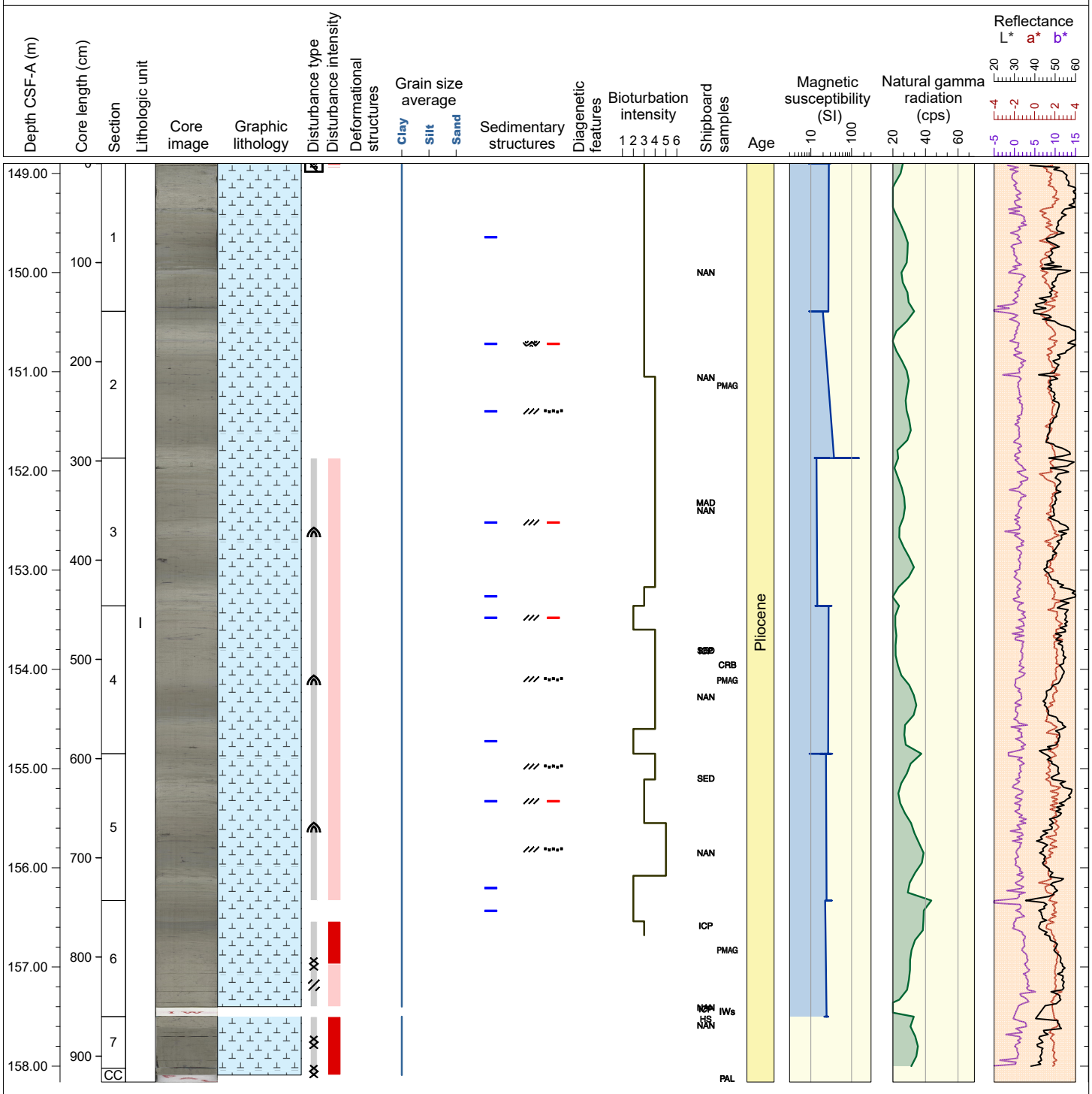
Hole 397-U1586A Core 16H, Interval 139.4-149.47 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. Contacts between lithologies are mostly bioturbated, irregular and sharp to gradual, with sharp boundaries in Section 6 at 57 cm and 107 cm. Color banding and dark patches are observed throughout the core. A nodule, possibly pyrite is observed in Section 3 at 17 cm. Contorted beds are observed throughout Section 6. Bioturbation is moderate and the core presents mostly slight up-arching drilling disturbance, with strongly disturbed basal flow in drilling disturbance in Sections 7 and CC.



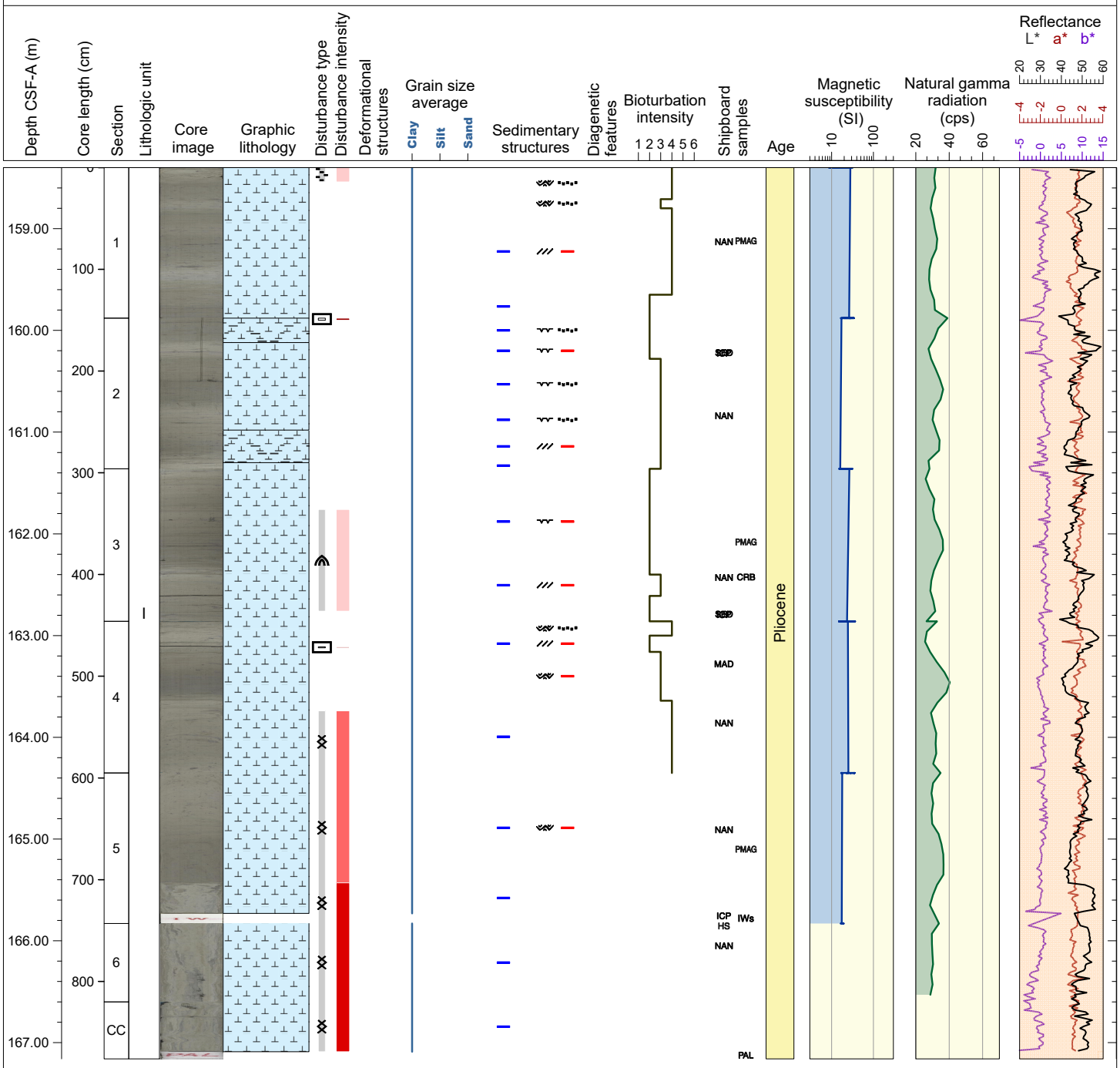
Hole 397-U1586A Core 17H, Interval 148.9-158.16 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. The contacts between boundaries are irregular gradational. Color banding is observed throughout the core as well as dark patches in the upper three sections. Bioturbation ranges from sparse to heavy. The core shows some slight up-arching in Sections 3 to 5. The lower part of the core starting at Section 6 is strongly disturbed by a basal flow-in that also shows some cracks.



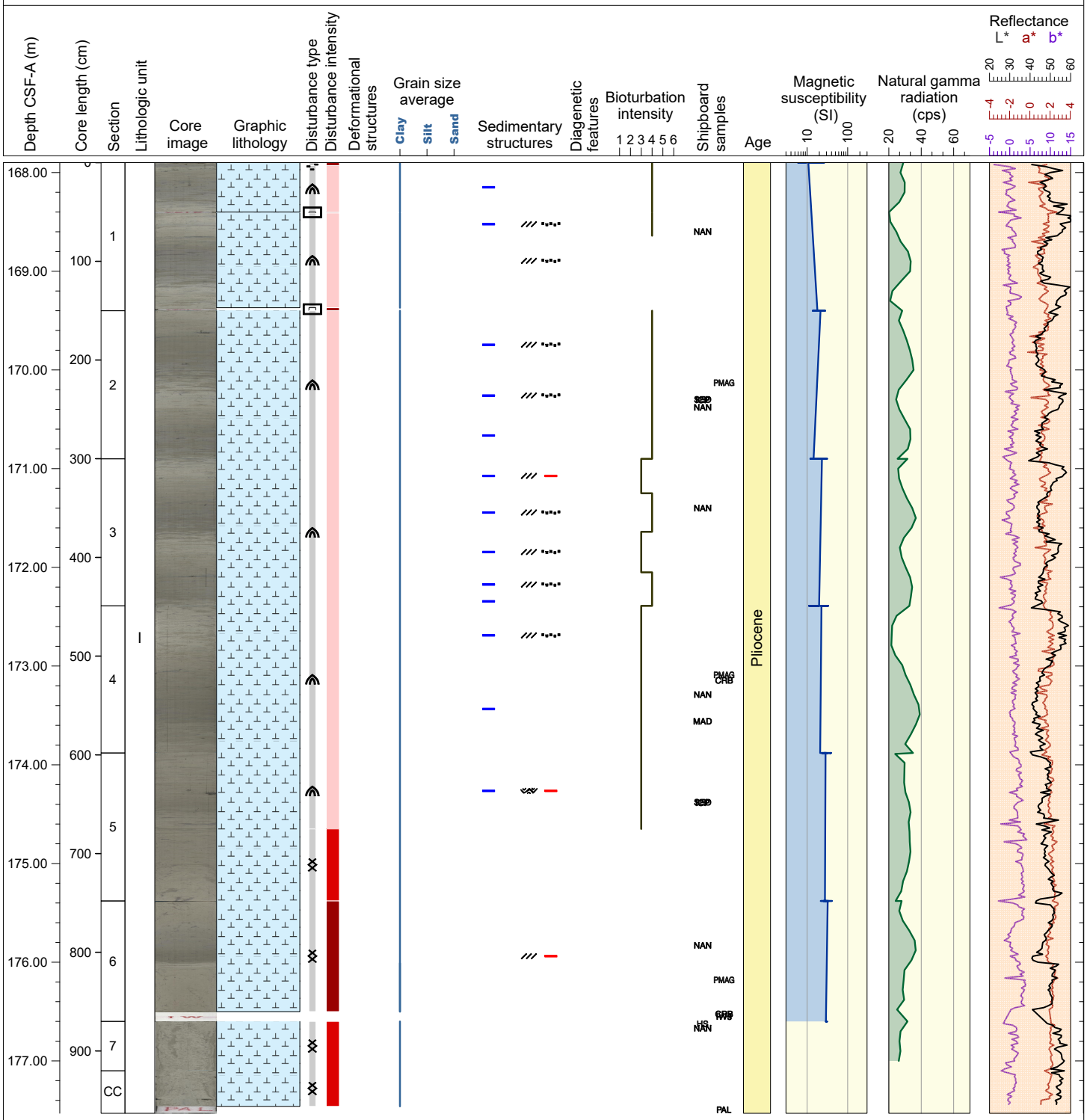
Hole 397-U1586A Core 18H, Interval 158.4-167.16 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. Color banding is present up to Section 4 and black patches are found throughout the core. Bioturbation is between sparse to moderate. There are broken carbonate fragments present throughout the core, mostly <2 mm in size. The first 14 cm of Section 1 are slightly disturbed and in a slurry condition. Slight up-arching is present in Section 3 and there is a basal flow-in from Section 4 at 88 cm downwards.



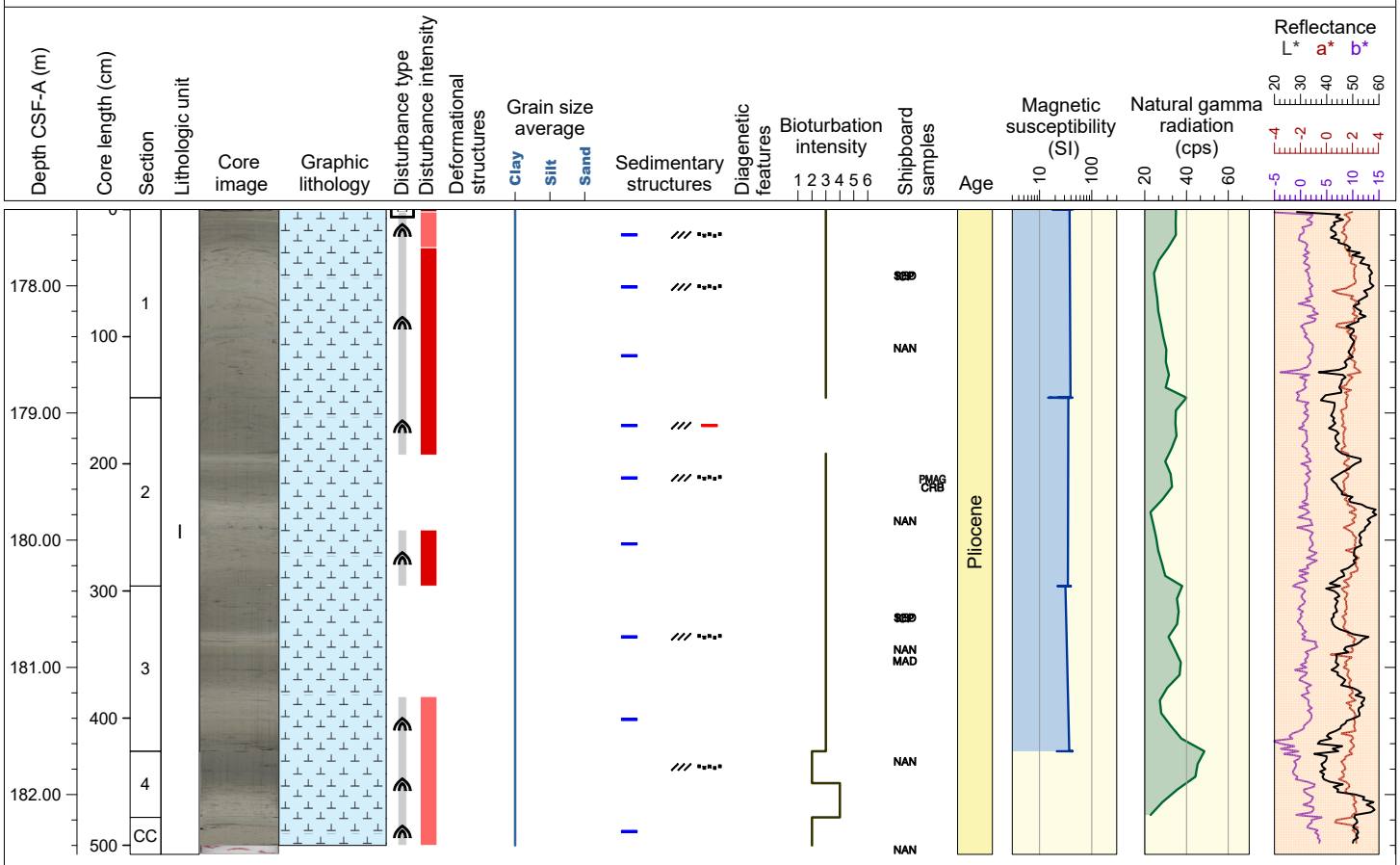
Hole 397-U1586A Core 19H, Interval 167.9-177.53 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE AND NANNOFOSSIL OOZE WITH CLAY. Contacts between lithologies are mostly bioturbated and gradational. Throughout the core there is color banding (1 cm thick green and black bands) and dark patches. Most of the core is slightly to moderately bioturbated. There are carbonate fragments present in Section 2 at 46-47 cm, 130 cm, and at Section 3 at 126 cm. The sediment is disturbed by slight up-arching from Section 1 to 5 at 77 cm. Below this all sediment is strongly disturbed by basal flow-in.



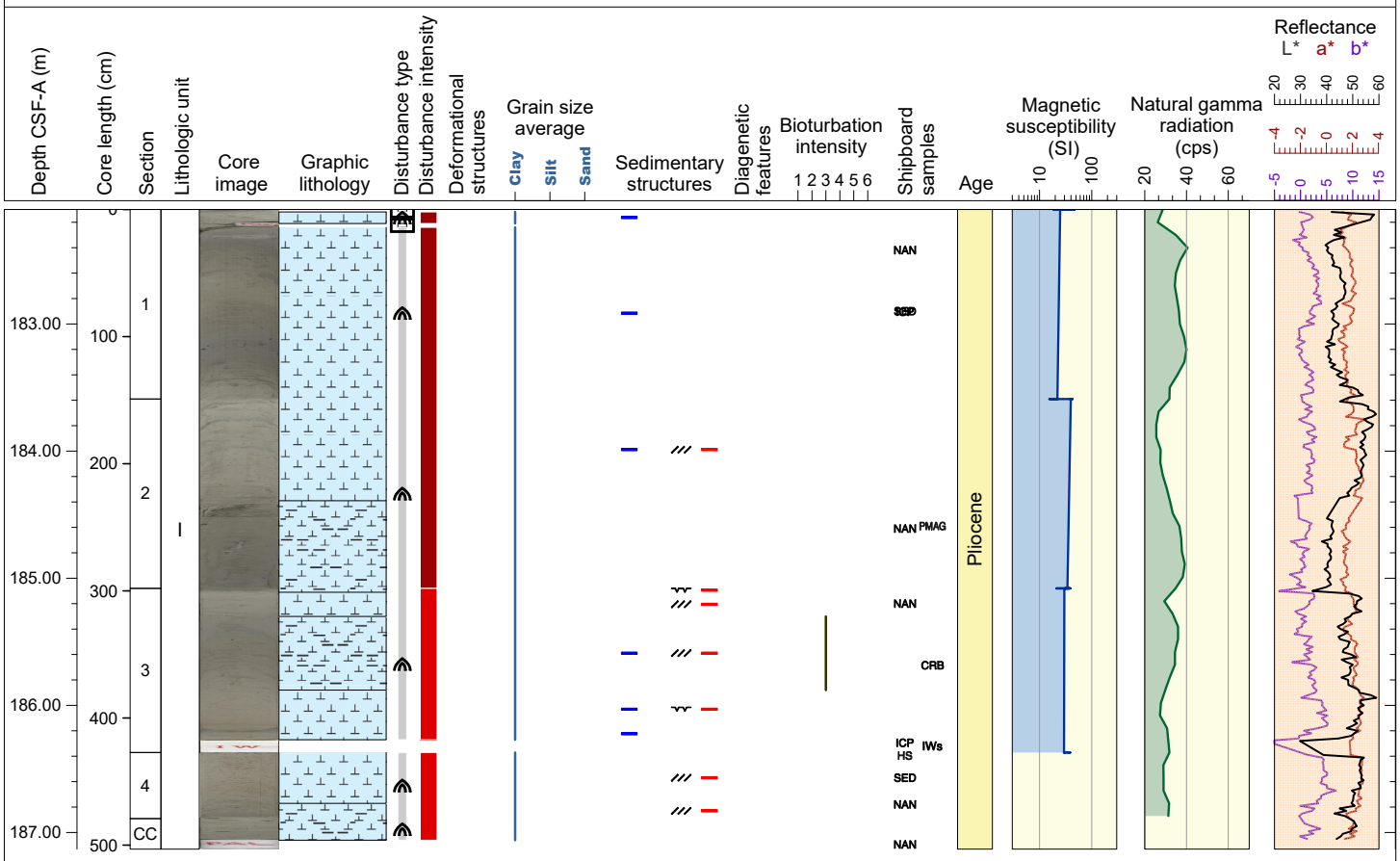
Hole 397-U1586A Core 20F, Interval 177.4-182.47 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. Contacts between lithologies are bioturbated or colored and are gradational. There is color banding (1 cm thick green and black bands) and dark patches, which are smeared where drilling disturbances are severe. The majority of the core is slightly bioturbated. There is a macrofossil (a deep-sea coral) located between 124 and 128 cm in section 3A. The entire core is disturbed by up-arching, which ranges from moderate to strong.



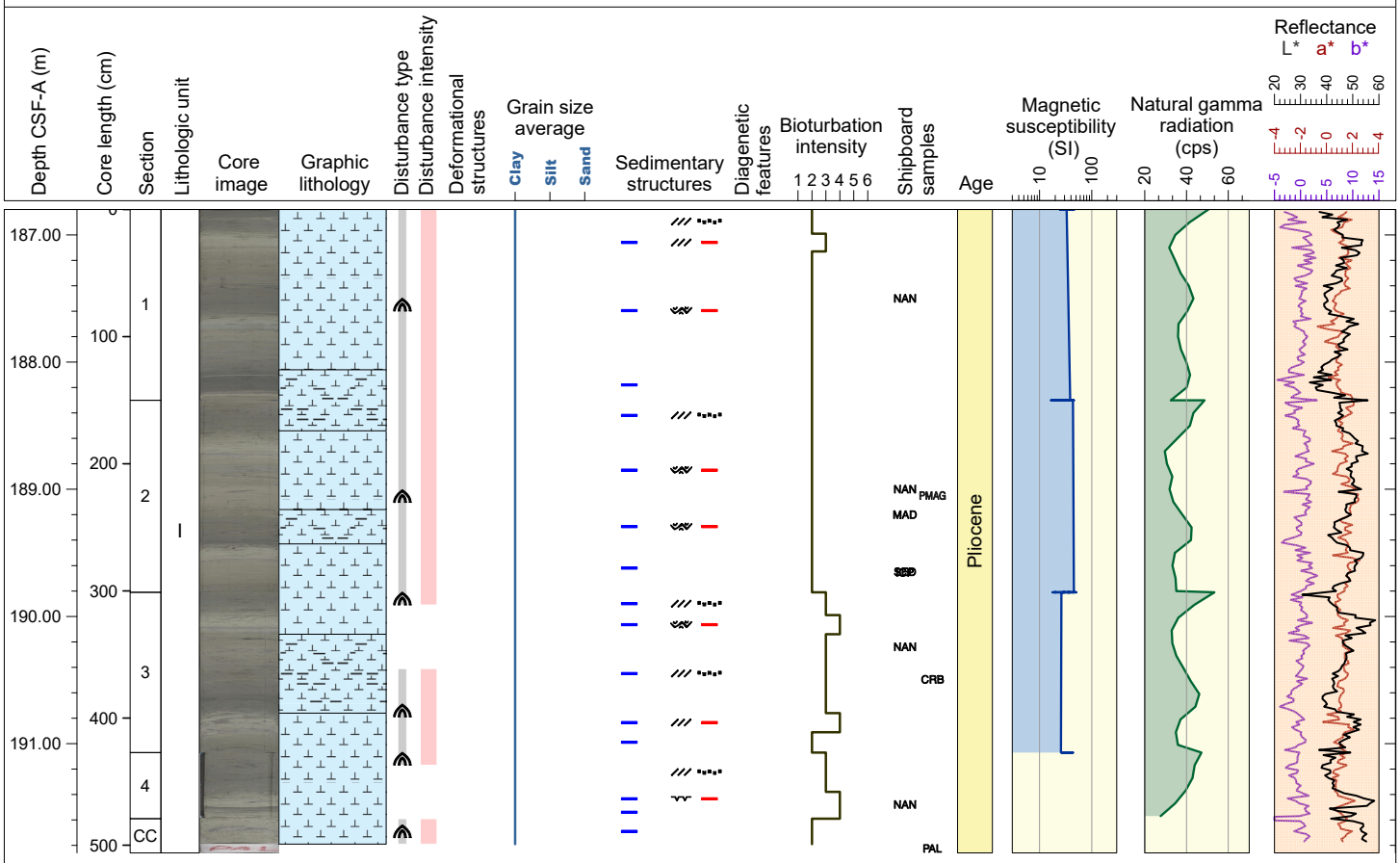
Hole 397-U1586A Core 21F, Interval 182.1-187.13 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. Contacts were color boundaries and were sharp or gradational. There is color banding (1 cm thick green and black bands) and dark patches, which are smeared where drilling disturbances are severe. Bioturbation was difficult to determine due to disturbance. Were possible to determine, it was moderate. A deep-sea coral is present in Section 2 at 85-92 cm. The core is strongly disturbed by up-arching throughout.



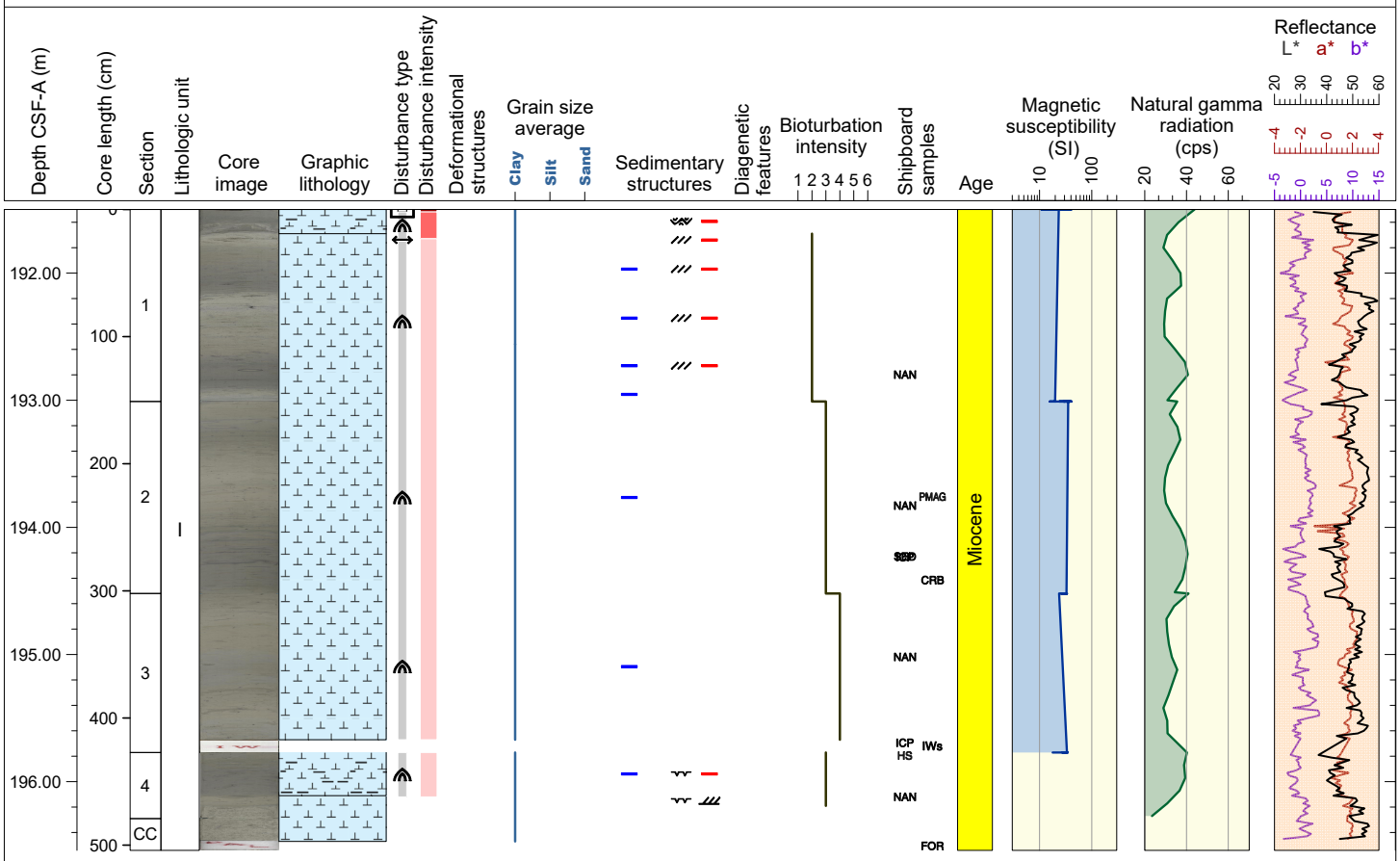
Hole 397-U1586A Core 22F, Interval 186.8-191.86 m (CSF-A)

This core is dominated by (CLAYEY) NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. Contacts between lithologies are bioturbated or colored and are mostly gradational. There is color banding (1 cm thick green and black bands) and dark patches. Most of the core is sparsely to moderately bioturbated. The core is slightly disturbed by up-arching throughout.



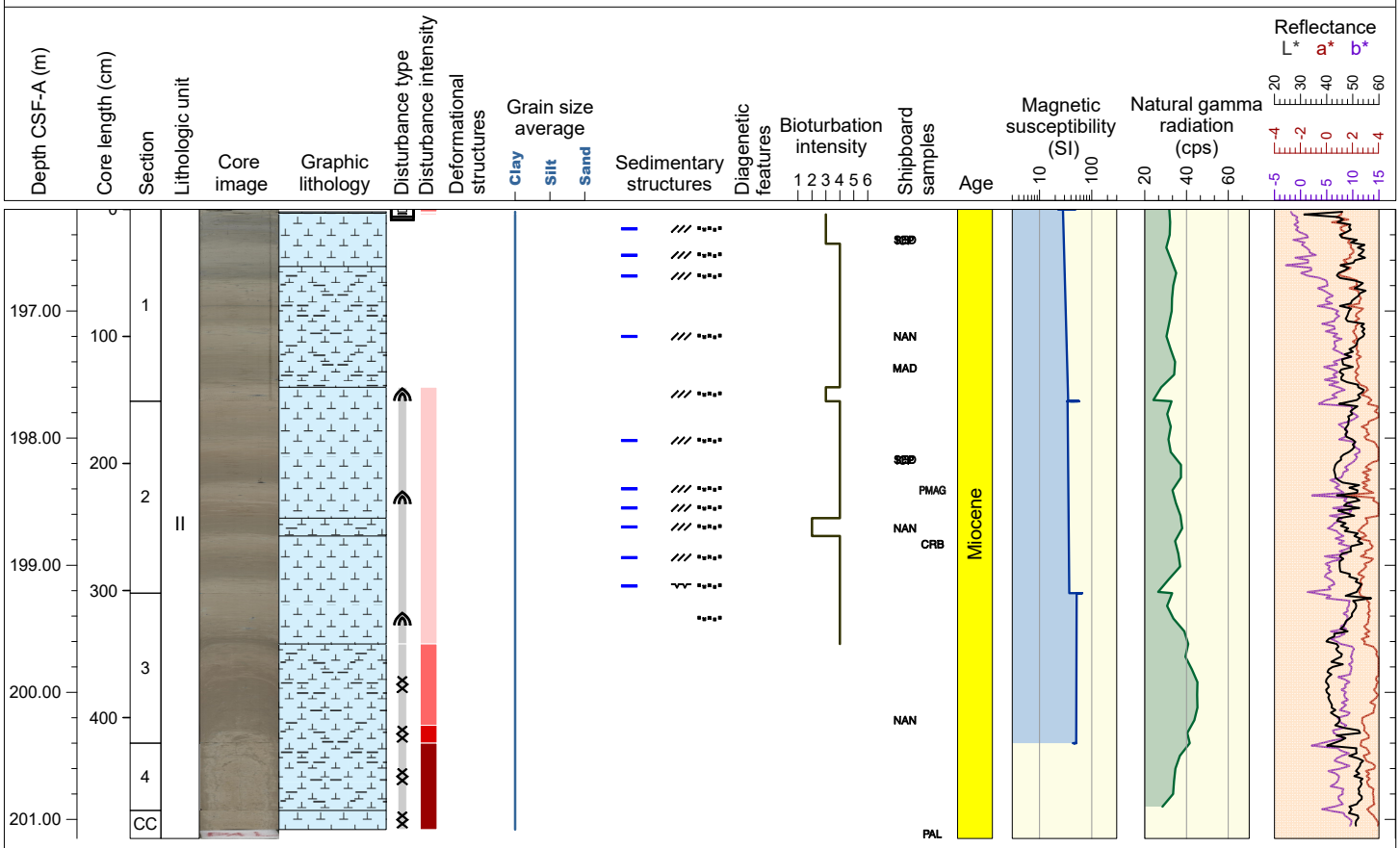
Hole 397-U1586A Core 23F, Interval 191.5-196.54 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with various amounts of clay. Most of the contacts were color boundaries, except one sharp erosional boundary in Section 4 at 42 cm. There is color banding throughout the core and dark patches. Bioturbation is sparse to moderate and burrows are present. Most of the core is slightly disturbed by up-arching.



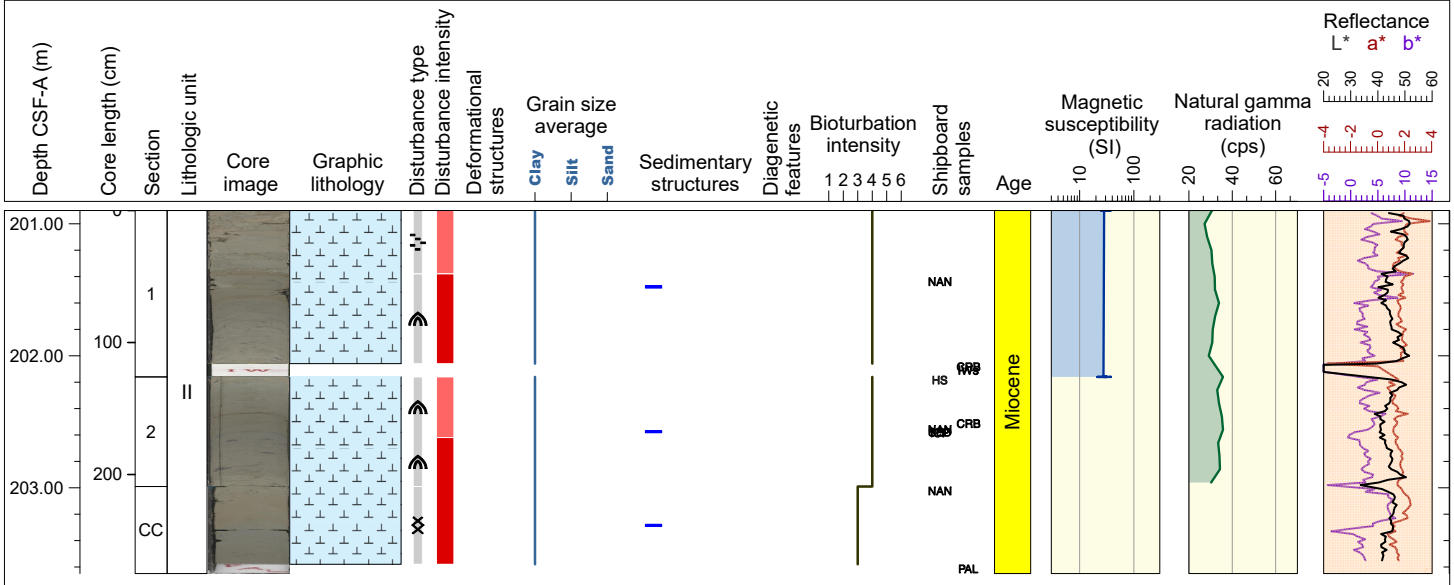
Hole 397-U1586A Core 24F, Interval 196.2-201.15 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with various amounts of clay. Most of the contacts are bioturbated, irregular and gradational, except one sharp erosional boundary in Section 4 at 42 cm. Color banding and dark patches are observed throughout the core. Bioturbation is sparse to moderate and most of the core is slightly disturbed by up-arching.



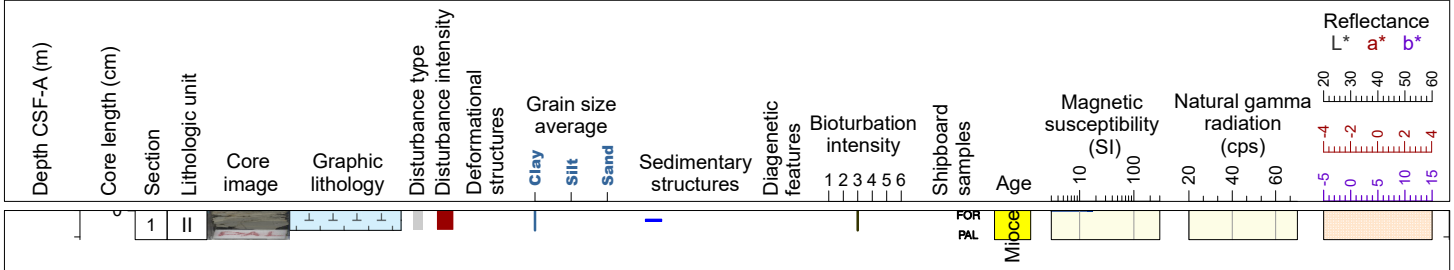
Hole 397-U1586A Core 25F, Interval 200.9-203.65 m (CSF-A)

This core consists of NANNOFOSSIL OOZE. Most of the core presents color banding and dark patches are observed in Section 2. Bioturbation is slight to moderate and most of the core presents moderate to strong up-arching drilling disturbance.



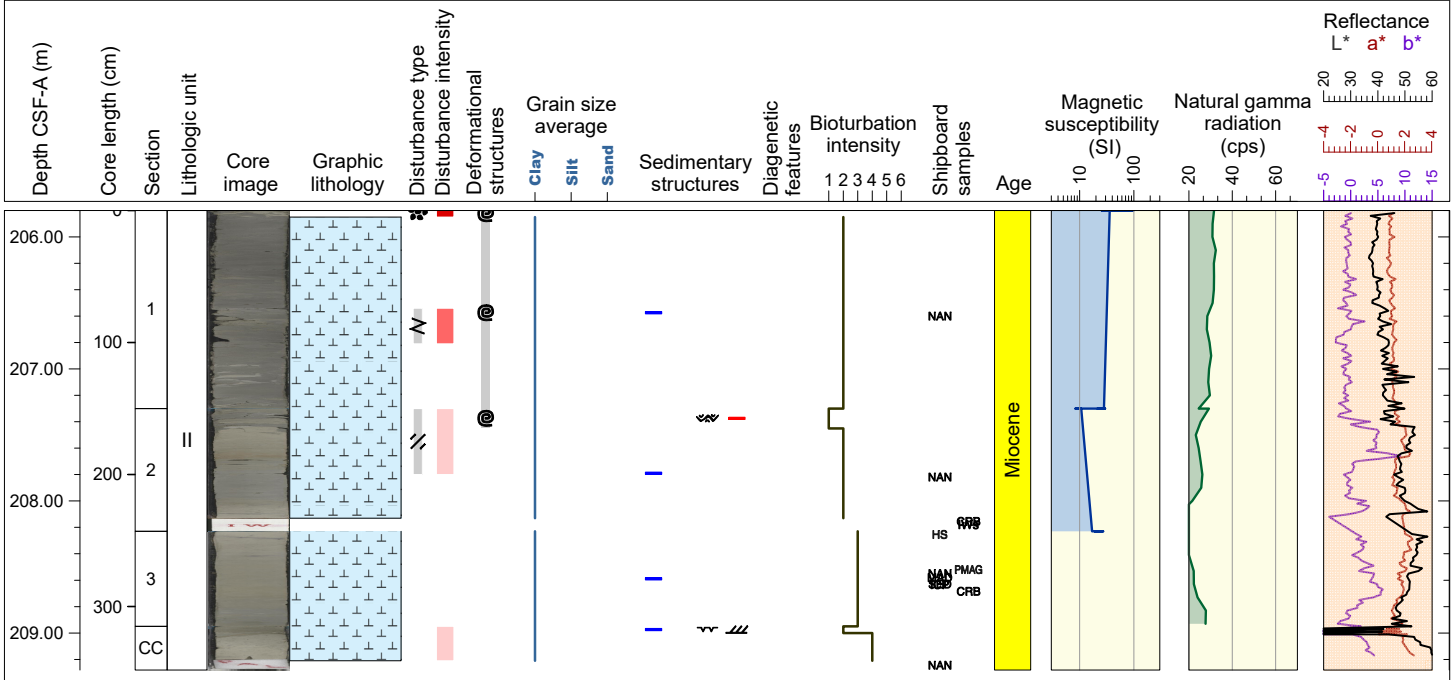
Hole 397-U1586A Core 26F, Interval 205.6-205.82 m (CSF-A)

This core consists of NANNOFOSSIL OOZE. Color banding is present and bioturbation is slight. The core presents severe brecciated drilling disturbance.



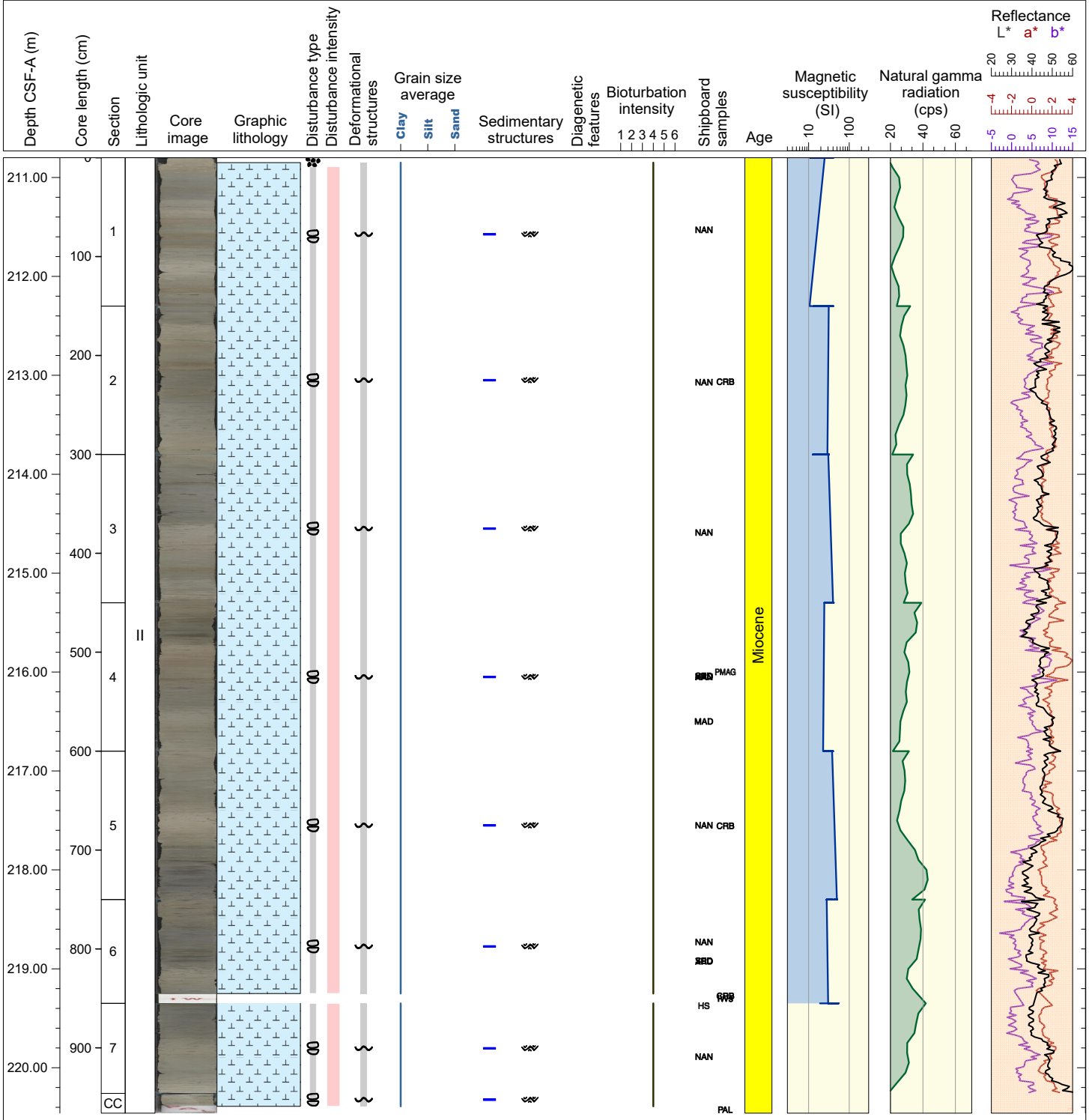
Hole 397-U1586A Core 27X, Interval 205.8-209.28 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE, with varying amounts of clay. The contacts between lithologies are sharp to gradational, with a sharp erosional contact in CC at 5 cm. Color banding is present throughout the core and is very subtle in Section 3. Chaotic strata is observed throughout Section 1 and at the top of Section 2. Bioturbation is absent to moderate and trace fossils are present in Section 2 from 15 to 83 cm. The core presents slight to strong drilling disturbance, that varies from fall-in, fragmented to crack.



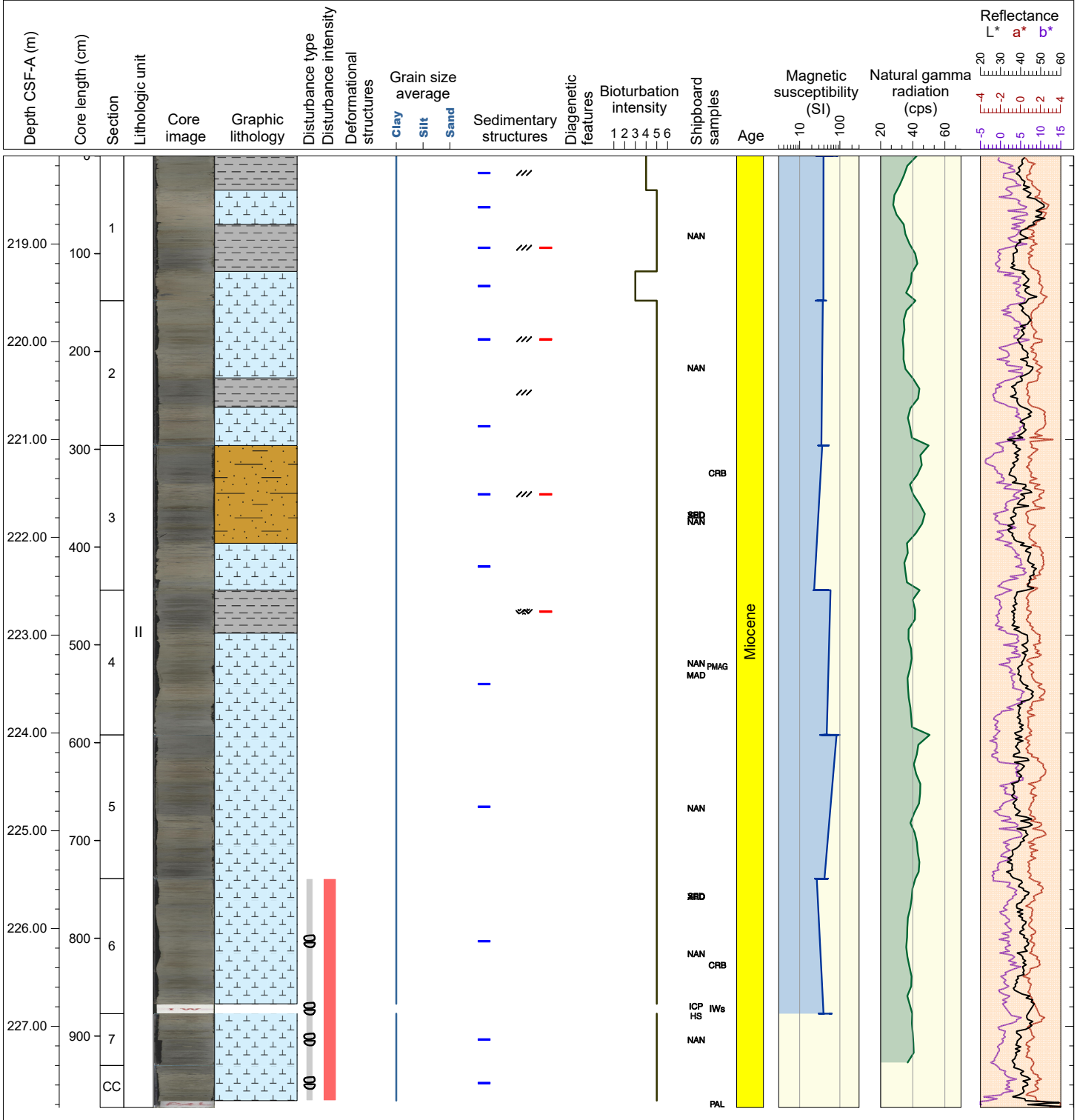
Hole 397-U1586A Core 28X, Interval 210.8-220.46 m (CSF-A)

This core consists of NANNOFOSSIL OOZE. The contact between lithologies are sharp to gradational, and color banding is present throughout the core. Contorted beddings are observed throughout the core among horizontal to sub-horizontal light and dark cm-scale layers with disseminated dark patches. Bioturbation is moderate and trace fossils are present mostly throughout the core and in CC at 2 to 4cm and 10 to 11 cm. The core presents fall-in drilling disturbance.



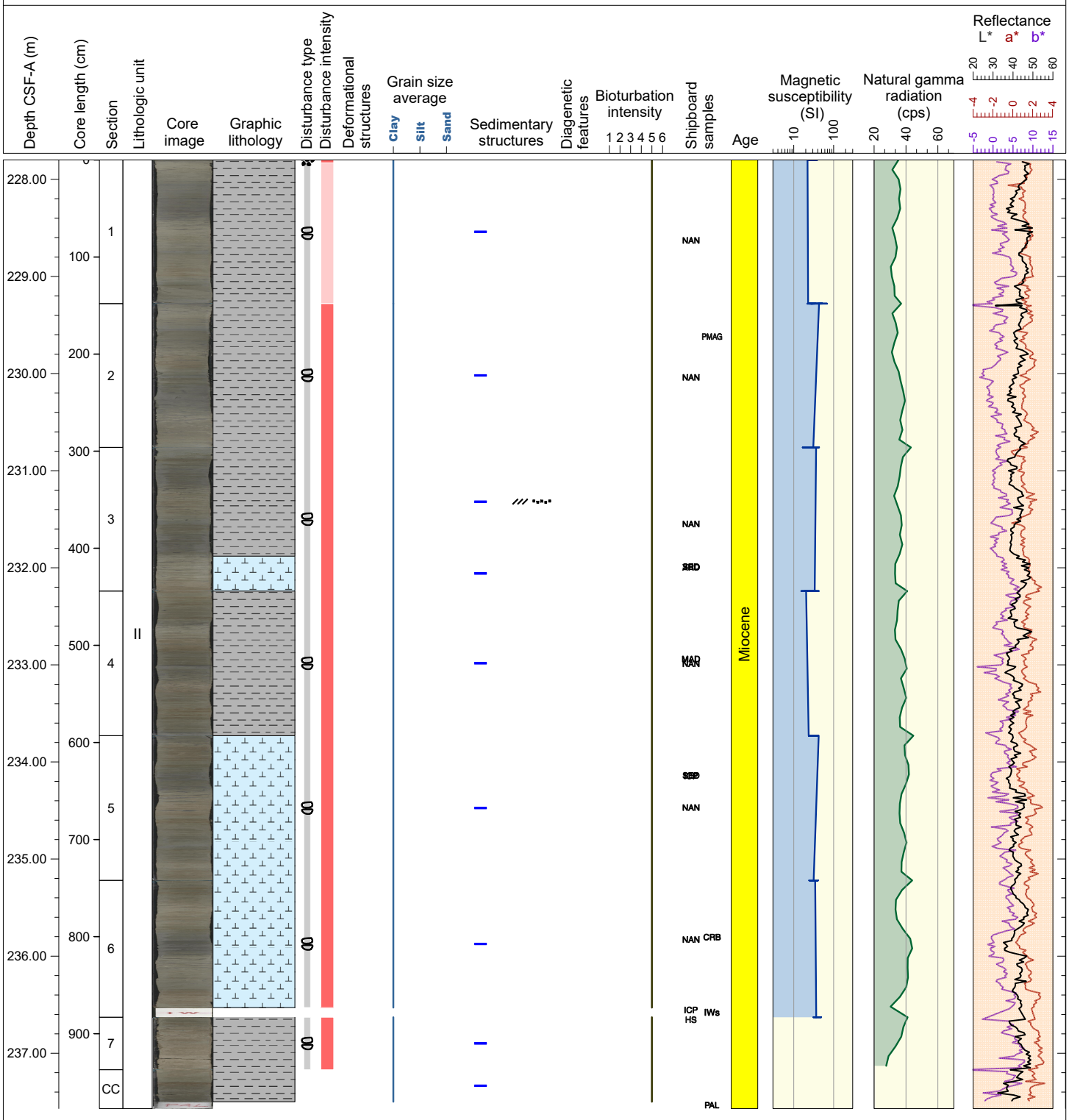
Hole 397-U1586A Core 29X, Interval 218.1-227.83 m (CSF-A)

This core consists of NANNOFOSSIL OOZE intercalating with CLAY with NANNOFOSSIL and SILTY CLAY with NANNOFOSSIL. Alternating light and dark bands, medium bedded are present throughout the core. The contact between lithologies are sharp to gradational, and color banding is present throughout the core. Bioturbation is mostly heavy and trace fossils with different sizes, millimeter to centimeter, and shapes, circular to elongate are present throughout the core. The core presents moderate biscuiting drilling disturbance in Sections 6, 7 and CC.



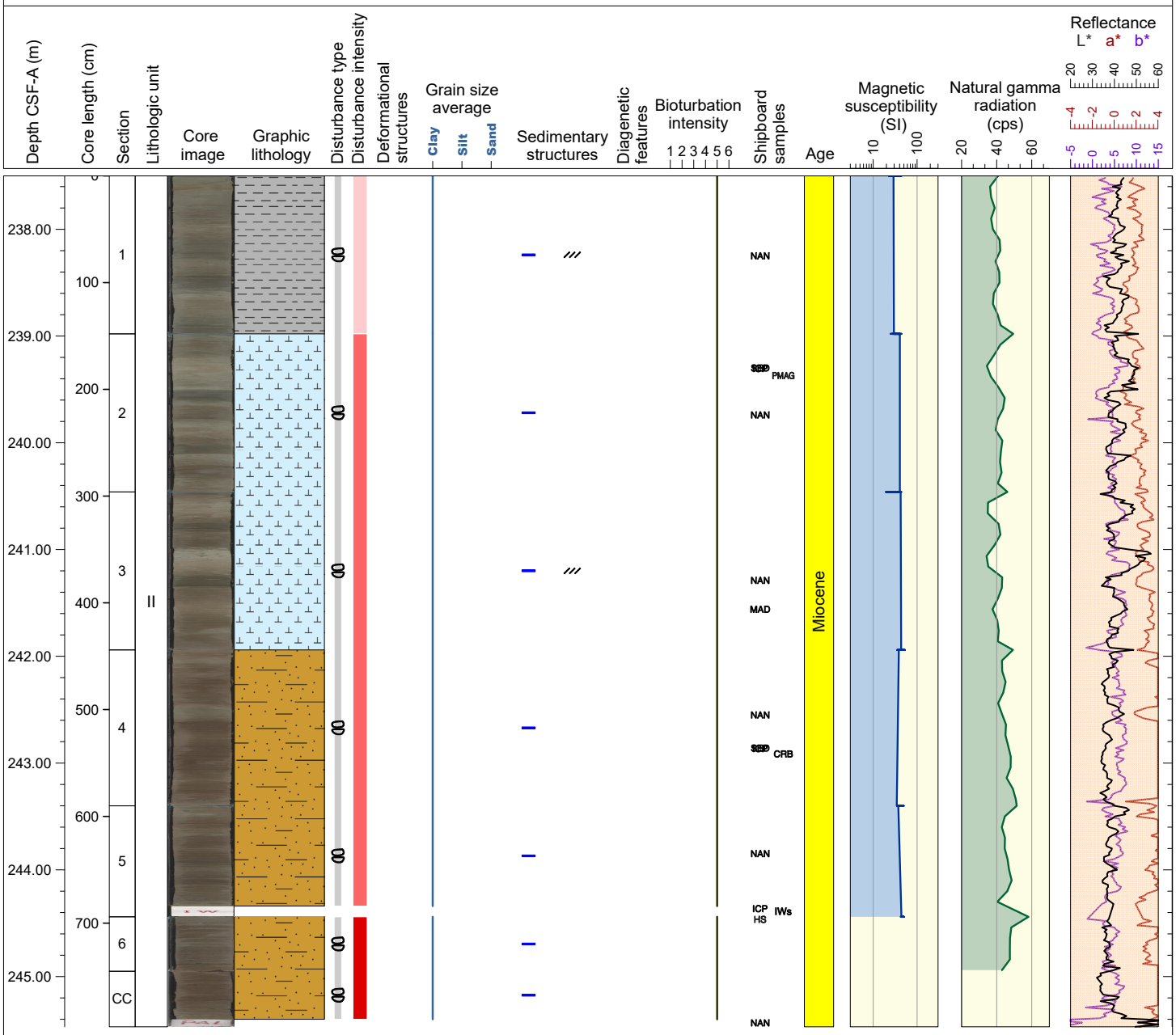
Hole 397-U1586A Core 30X, Interval 227.8-237.57 m (CSF-A)

This core consists of NANNOFOSSIL OOZE intercalating with CLAY with NANNOFOSSIL. Alternating light and dark bands, medium bedded are present throughout the core. The contact between lithologies is bioturbated, irregular and gradational and color banding is present throughout the core. Bioturbation is mostly heavy and trace fossils of different sizes, millimeter to centimeter, and shapes, circular to elongate, are present throughout the core. Most of the core presents slight to moderate biscuiting drilling disturbance.



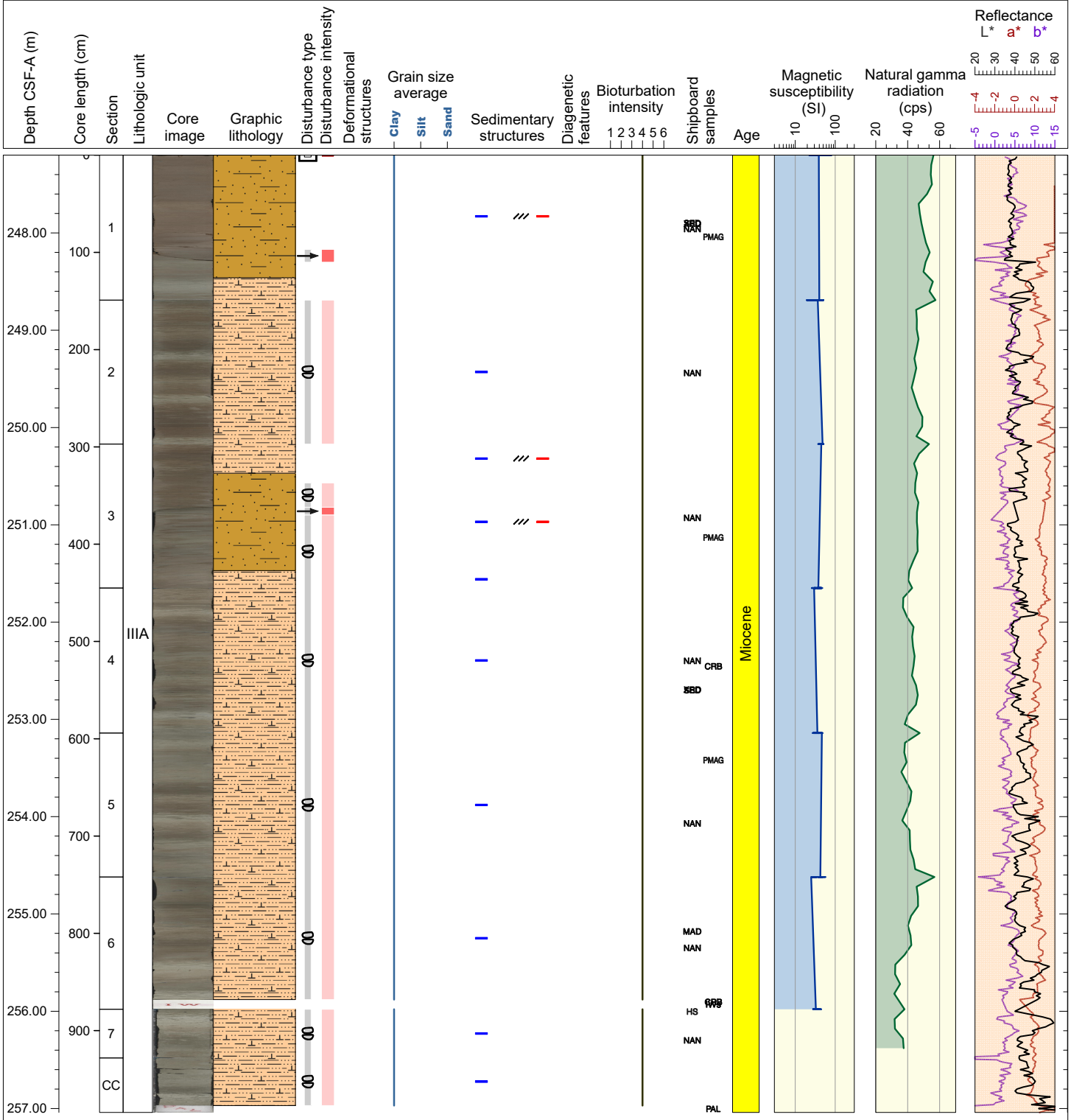
Hole 397-U1586A Core 31X, Interval 237.5-245.47 m (CSF-A)

This core consists of NANNOFOSSIL OOZE intercalating with SILTY CLAY with NANNOFOSSIL. The core is notably more red in color, likely due to authigenic minerals (e.g. glauconite/ Fe oxides). Alternating light and dark bands, medium bedded are present throughout the core. The contacts between lithologies are gradational and color banding is present throughout the core. Bioturbation is heavy and trace fossils of different sizes, millimeter to centimeter, and shapes, circular to elongate, are present throughout the core. Most of the core presents slight to strong biscuiting drilling disturbance.



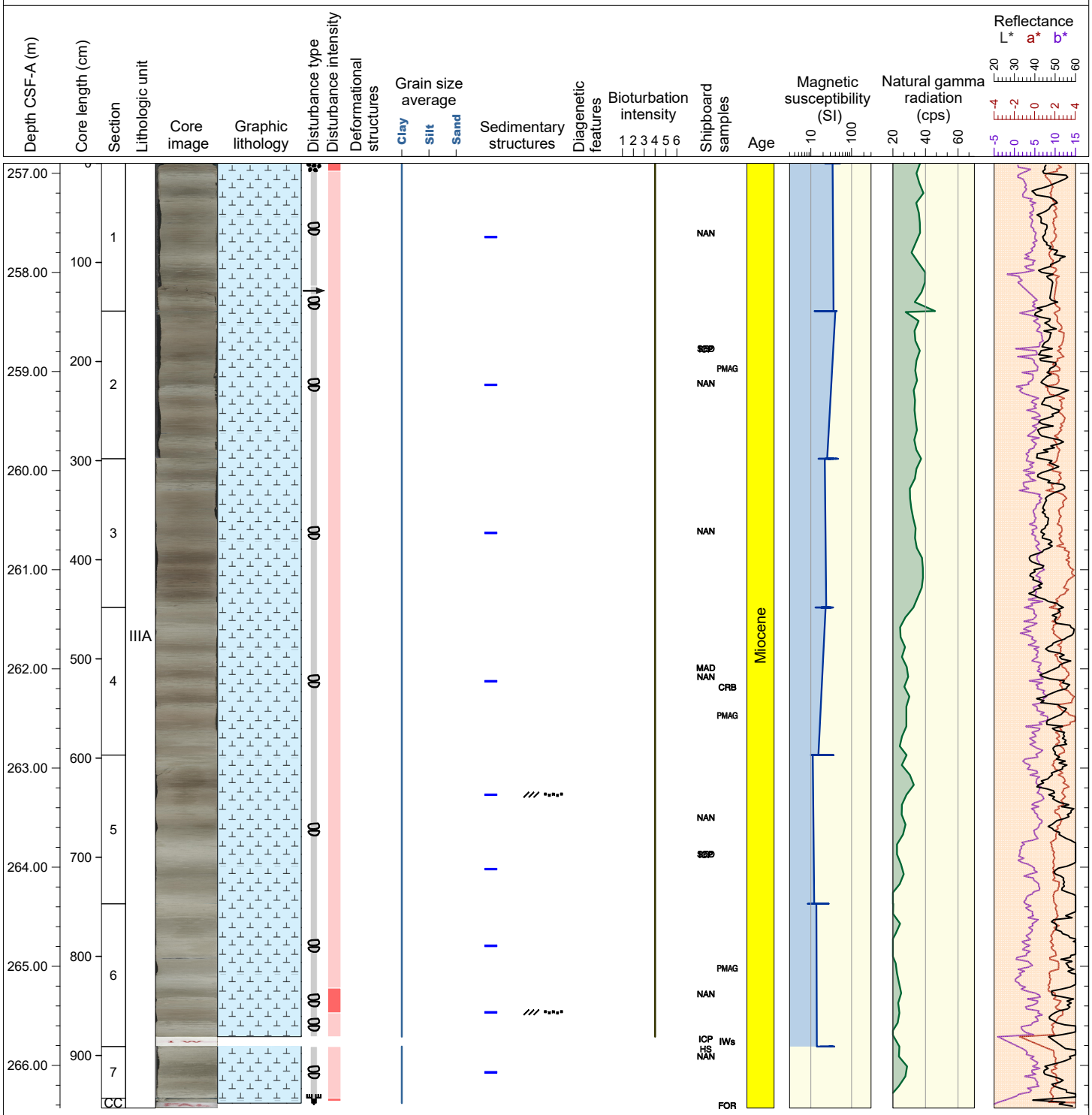
Hole 397-U1586A Core 32X, Interval 247.2-257.04 m (CSF-A)

This core consists of NANNOFOSSIL CLAY intercalating with SILTY CLAY with NANNOFOSSIL. The core is notably more red in color, likely due to authigenic minerals (e.g. glauconite/ Fe oxides). Alternating light and dark bands, medium bedded, are present through the core. The contacts between intervals are gradational and color banding throughout the core. Bioturbation is moderate and trace fossils of different sizes, millimeter to centimeter, and shapes, circular to elongate, are present throughout the core. Most of the core has slight biscuiting drilling disturbance as well as cracking and uplifting due to expansion at in section 1 at 97-110 cm section 3 at 65 to 73 cm.



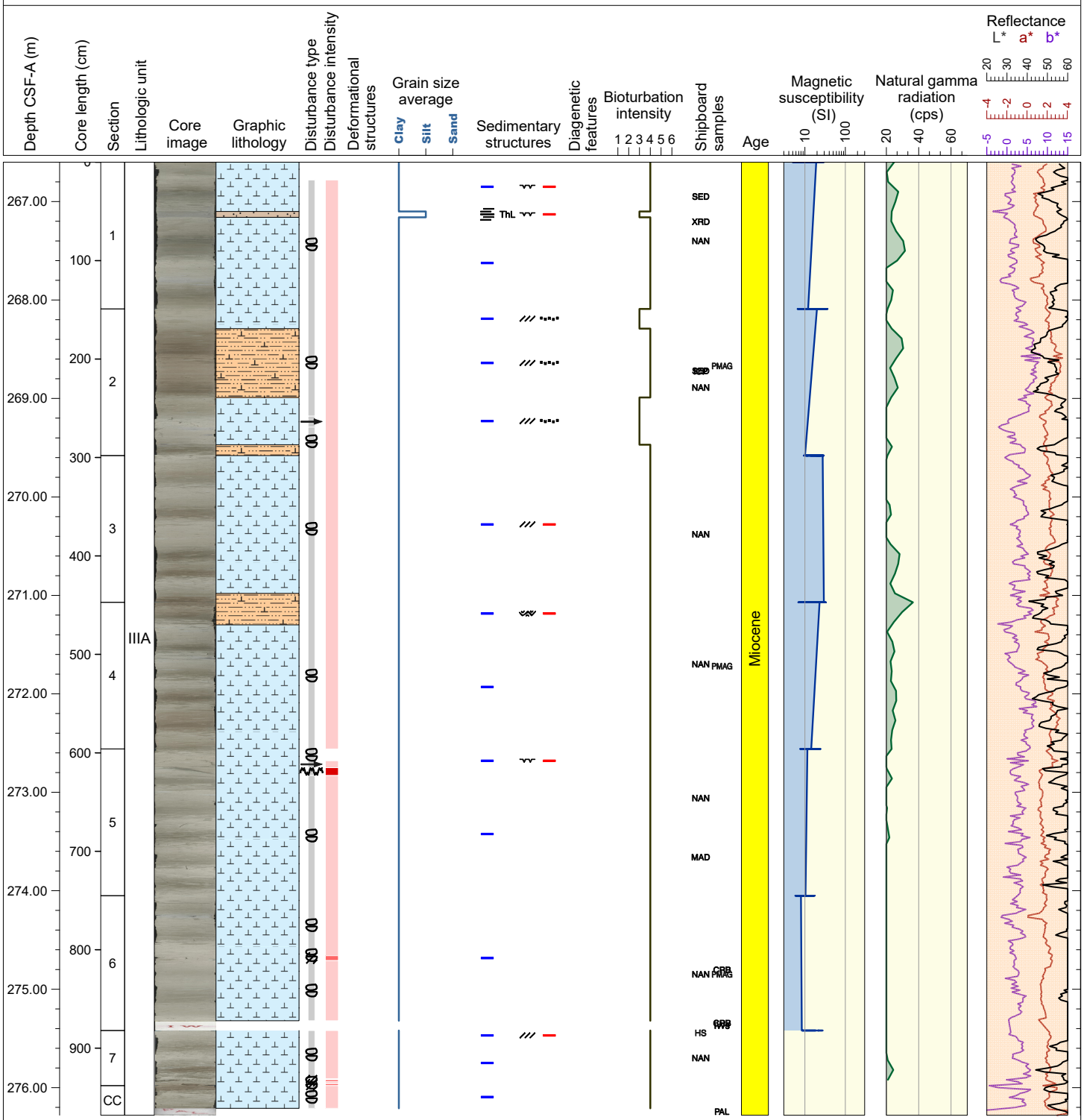
Hole 397-U1586A Core 33X, Interval 256.9-266.43 m (CSF-A)

This core consists of NANNOFOSSIL OOZE sometimes with CLAY and CARBONATE. The core is red to grey in color. Alternating light and dark bands, medium bedded, are present through the core. The contacts between intervals are gradational and bioturbated. Bioturbation is moderate and trace fossils with different sizes, millimeter to centimeter, and shapes, circular to elongate, are present throughout the core. Most of the core has slight biscuiting drilling disturbance as well as slight cracking of the section due to core expansion in section 1 at 124 to 133 cm. The CC is mousselike and moderately disturbed.



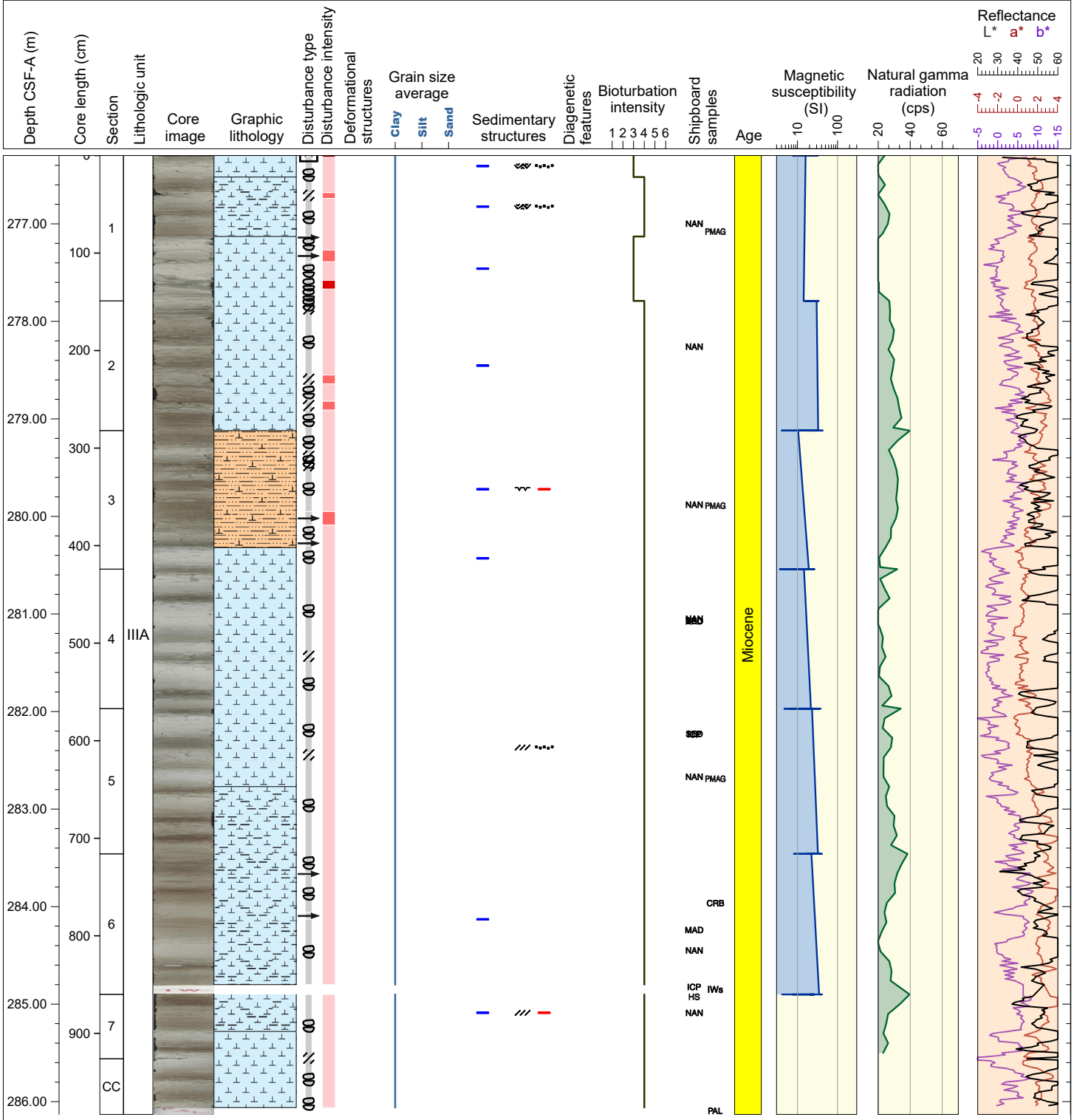
Hole 397-U1586A Core 34X, Interval 266.6-276.28 m (CSF-A)

This core consists of NANNOFOSSIL OOZE with CLAY intercalating with NANNOFOSSIL CLAY. The core is grey to reddish brown in color. Alternating light and dark bands, medium bedded, are present through the core. A small (<10cm) silty very fine laminated interval is present in section 1. The contacts between lithologies are bioturbated and color boundaries which are gradational to sharp. Color banding is present throughout the core as well as black colored alteration within burrows. Bioturbation is moderate and trace fossils with different sizes, millimeter to centimeter, and shapes, circular to elongate, are present throughout the core. Most of the core has slight biscuiting drilling disturbance as well as moderate disturbance by cracking in sections 6 and 7, creating some small partial voids.



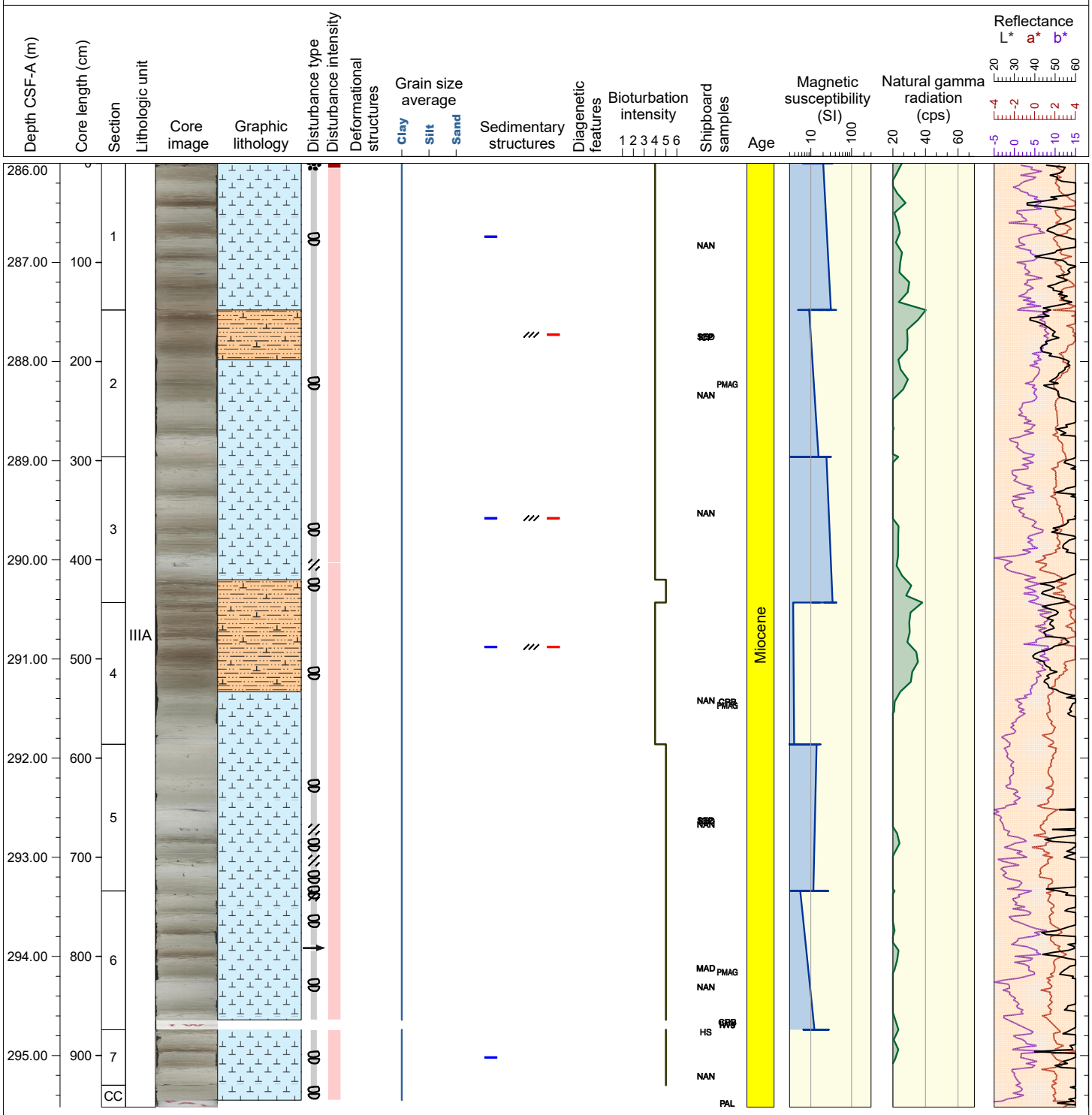
Hole 397-U1586A Core 35X, Interval 276.3-286.13 m (CSF-A)

This core consists of NANNOFOSSIL OOZE with CLAY intercalating with CLAYEY NANNOFOSSIL OOZE. The core is grey to slightly reddish brown in color. Alternating light and dark bands, medium bedded, are present through the core. The contacts between lithologies are bioturbated and color boundaries which are gradational to sharp. Color banding is present throughout the core as well as grey stained alteration within burrows. Bioturbation is moderate and trace fossils with different sizes, millimeter to centimeter, and shapes, circular to elongate, are present throughout the core. Particularly planulites and chondrites. Most of the core has slight biscuiting drilling disturbance as well as slight disturbance due to cracking and moderate core extension in section 1 and 3.



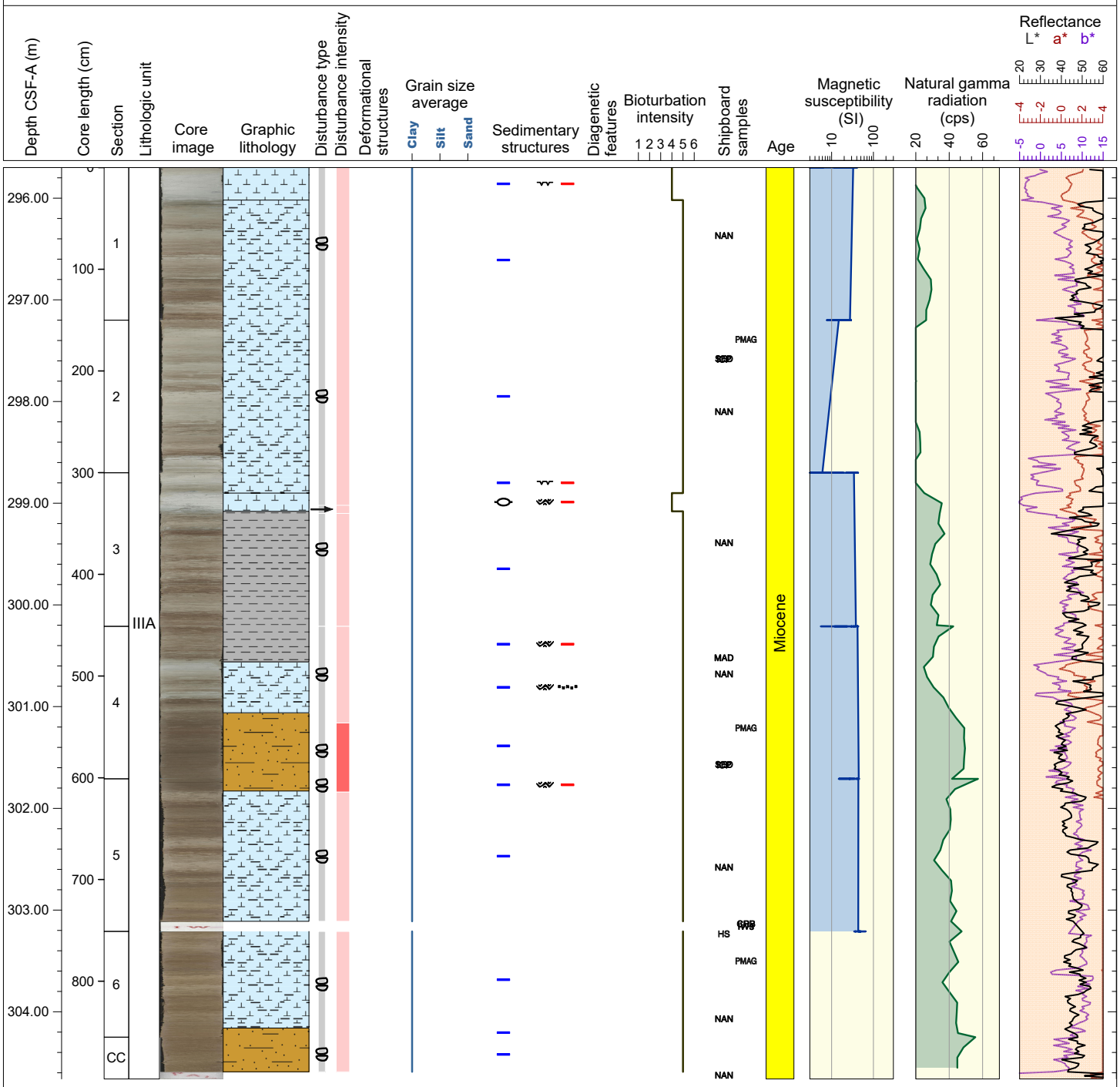
Hole 397-U1586A Core 36X, Interval 286.0-295.52 m (CSF-A)

This core consists of NANNOFOSSIL OOZE sometimes with CLAY intercalating with NANNOFOSSIL CLAY. The core is white/grey to slightly reddish brown in color. Alternating light and dark bands, medium bedded, are present through the core. The contacts between lithologies color boundaries which are gradational. Color banding is present throughout the core as well as grey stained alteration within burrows and minor black patches. Bioturbation is moderate to heavy and trace fossils with different sizes, millimeter to centimeter, and shapes, circular to elongate, are present throughout the core. Particularly planulites, chondrites and Zoophycus. Most of the core has slight biscuiting drilling disturbance as well as slight disturbance due to cracking in sections 2, 5 and 6 and core extension in section 6.



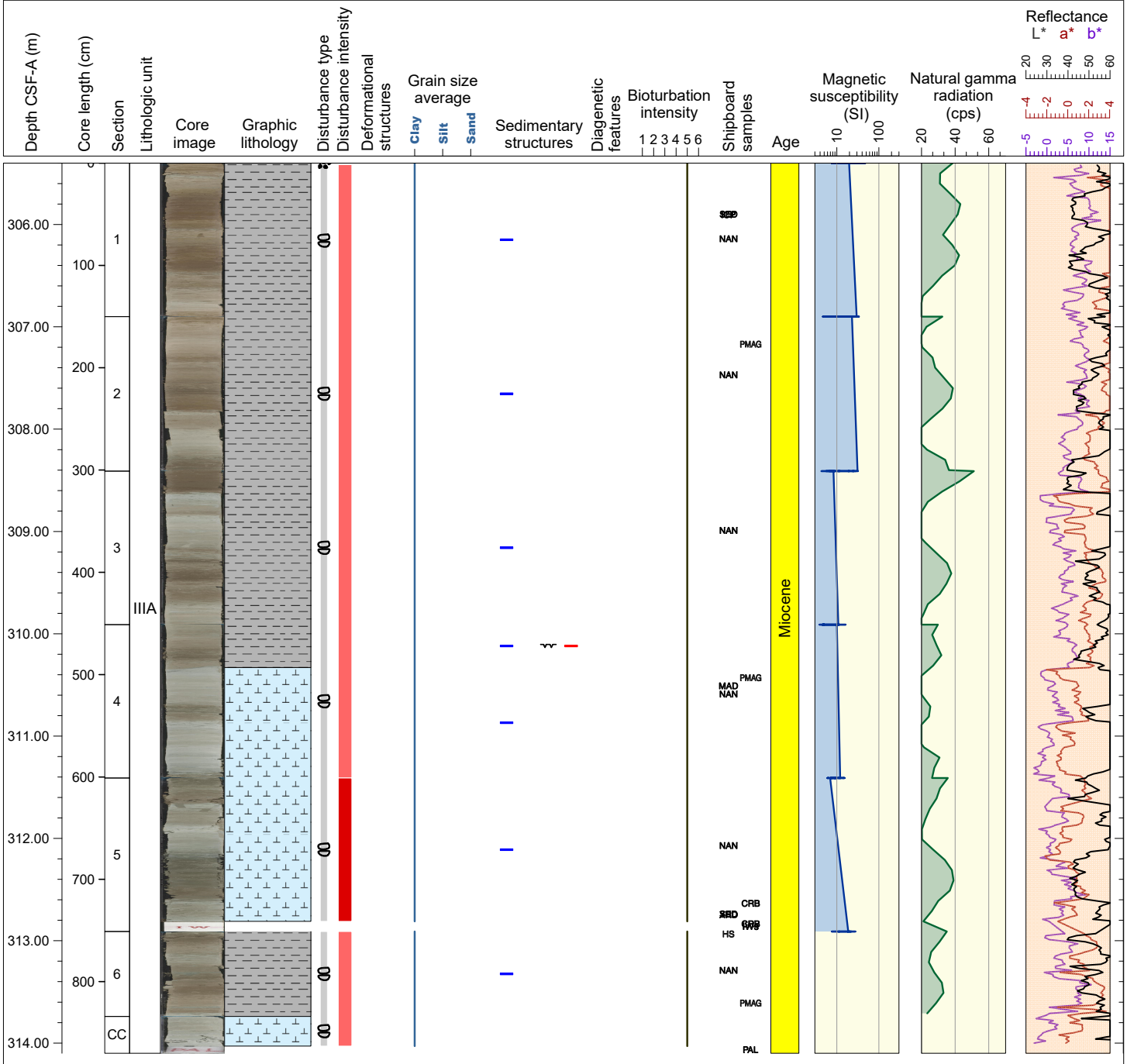
Hole 397-U1586A Core 37X, Interval 295.7-304.66 m (CSF-A)

This core consists of (CLAYEY) NANNOFOSSIL OOZE and CLAY with NANNOFOSSILS and SILTY CLAY at the base (section 6 and CC). The core is white/grey to dark reddish brown in color. Alternating light and dark bands are present through the core. The contacts between lithologies color boundaries which are sharp to gradational. Color banding is present throughout the core. Bioturbation is moderate to heavy and trace fossils with different sizes, millimeter to centimeter, and shapes, circular to elongate, are present throughout the core. Particularly planulites, chondrites and zoophycus. The core has biscuiting drilling disturbance which is slight to moderate as well as slight disturbance due to core extension in Section 3.



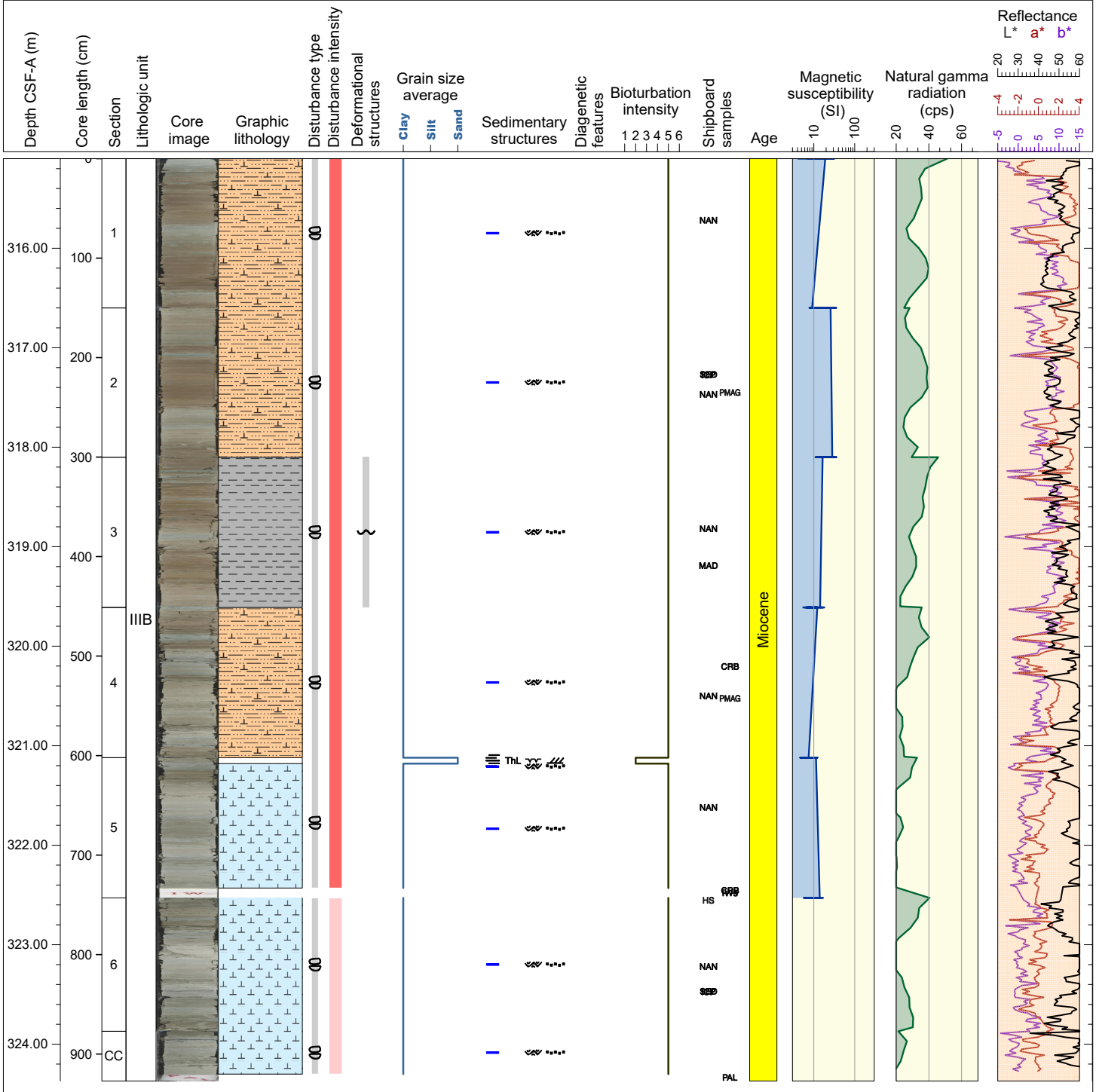
Hole 397-U1586A Core 38X, Interval 305.4-314.1 m (CSF-A)

This core is dominated by CLAY with CARBONATE, with varying amounts of authigenic grains, intercalating with NANNOFOSSIL OOZE. The core is white/greenish to reddish brown in color. Alternating of light and dark layers are present throughout the core. The contacts between lithologies are color boundary and gradual, with a curved and sharp boundary in Section 4 at 42 cm. Color banding is present throughout the core. Bioturbation is heavy and trace fossils, possibly planulites, chondrites and Zoophycus are observed. The core has mostly biscuiting drilling disturbance, which is moderate to strong, as well as fall in drilling disturbance in Section 1.



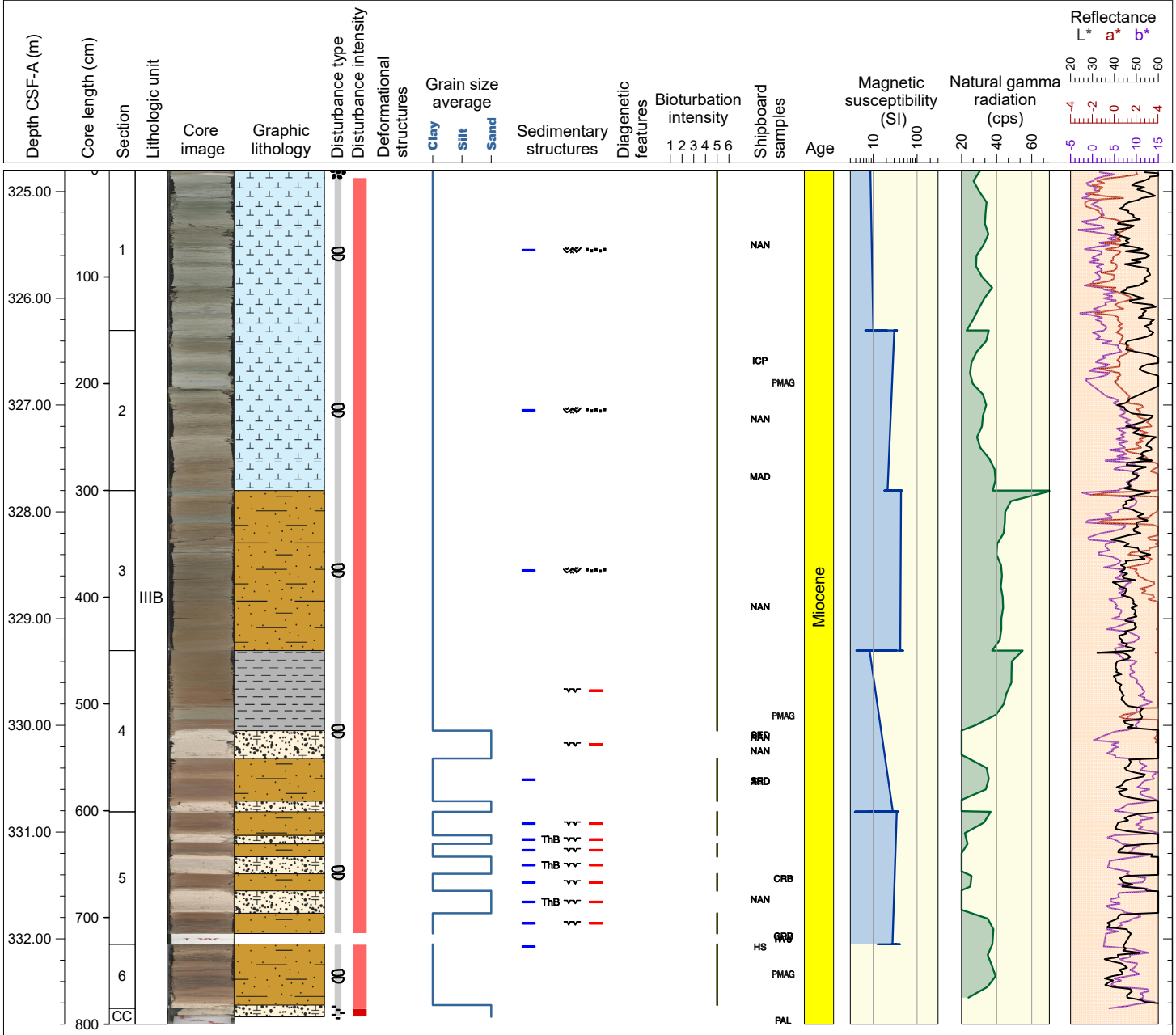
Hole 397-U1586A Core 39X, Interval 315.1-324.37 m (CSF-A)

This core is dominated by CLAY with NANNOFOSSIL intercalating with NANNOFOSSIL OOZE, with varying amounts of authigenic grains. The core is white/greenish to brown in color. Alternating of light and dark layers, medium bedded, are present throughout the core. The contacts between lithologies are bioturbated and sharp to gradual. Color banding is present throughout the core. Sandier intervals are observed in Section 1 at 140 to 144 cm, in Section 4 at 31 to 32 cm and 130 to 134 cm and in CC at 9 to 10 cm. Contorted beds are observed in Section 3 at 10 to 30 cm. Bioturbation is heavy and trace fossils, possibly planulites, chondrites and Zoophycus are observed. A larger burrow is observed in Section 2 at 133 to 140 cm. The core has biscuiting drilling disturbance, which is slight to moderate.



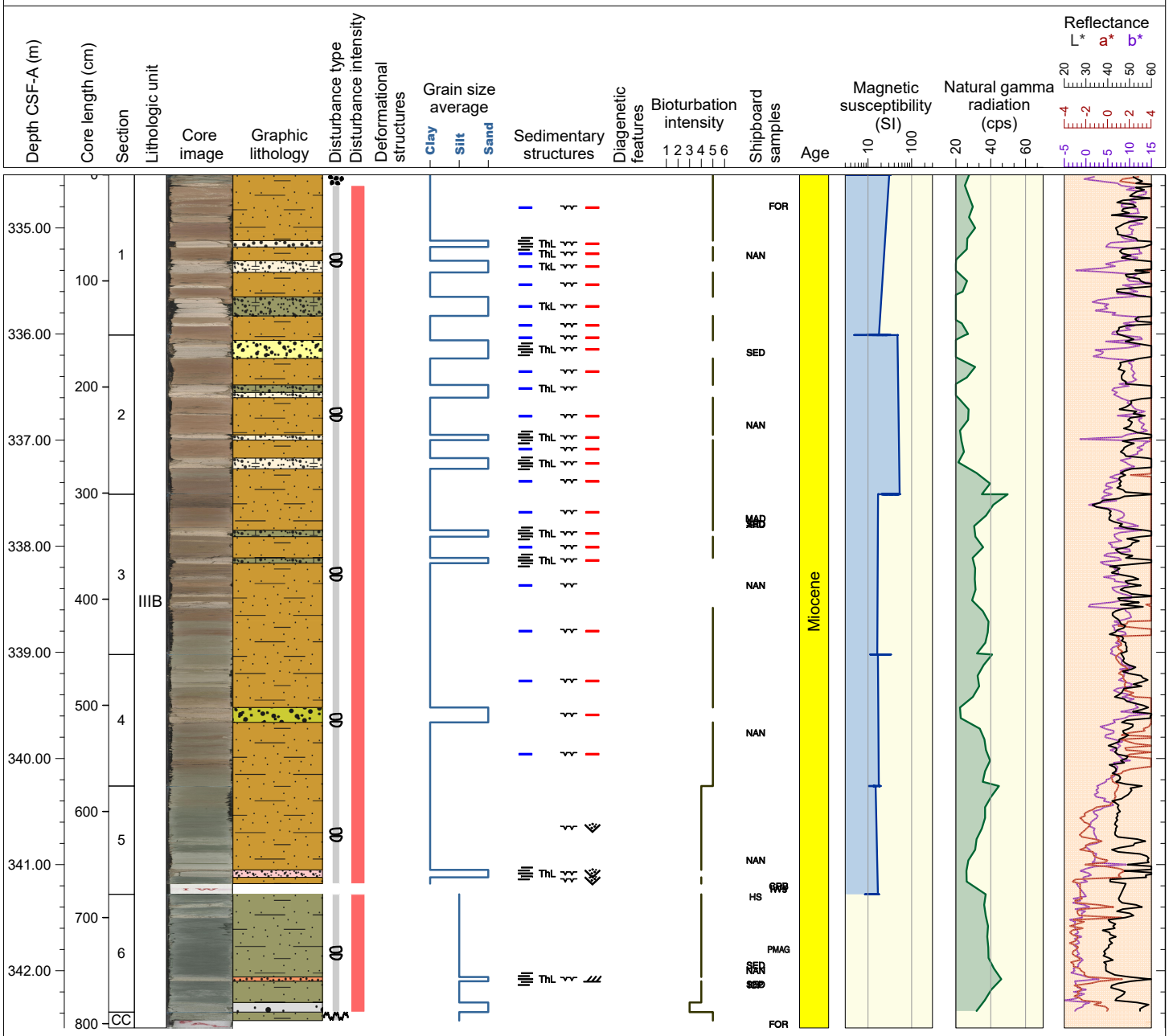
Hole 397-U1586A Core 40X, Interval 324.8-332.8 m (CSF-A)

This core is dominated by interbedded SILTY CLAY and CALCAREOUS GRAINS (LIKELY FORAMINIFERA) that is COARSE SAND in size. The core is greenish white to reddish brown in color. The contacts between lithologies are bioturbated to colored, irregular to straight and sharp to gradual. Color banding is present throughout the core. Bioturbation is heavy and trace fossils, possibly planolites, chondrites and Zoophycus, are observed in most sections of the core. A large burrow is observed in Section 2 at 133 to 140 cm. The core has biscuiting drilling disturbance, which is slight to moderate.



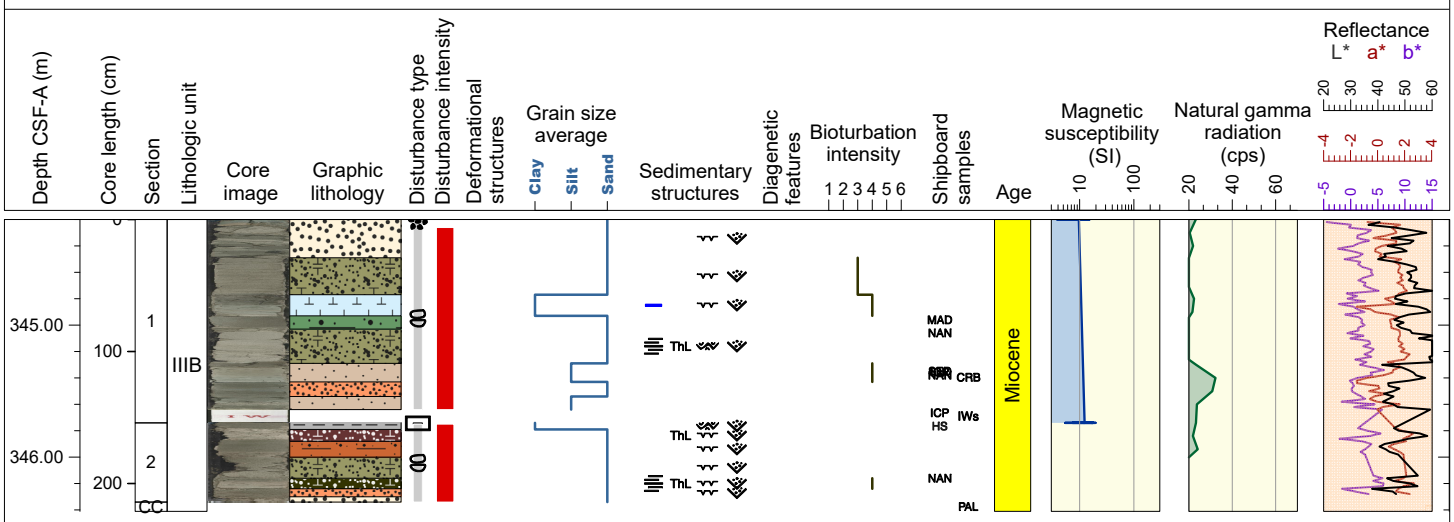
Hole 397-U1586A Core 41X, Interval 334.5-342.54 m (CSF-A)

This core is dominated by CALCAREOUS GRAINS (LIKELY FORAMINIFERA) that is COARSE SAND in size and SILTY CLAY, with minor (VERY) FINE SAND. The core is white greenish to brown reddish in color. Sandy intervals are sharp based, structureless or thinly laminated. A 6 cm sand bed in section 3 has diverging laminations, indicative of a larger bedform. The contacts between lithologies are mostly colored, straight and sharp. Color banding is common and dark patches are occasionally disseminated in Sections 2, 3 and 4. Bioturbation is moderate to heavy and trace fossils are commonly observed including planolites and chondrites and minor zoophycus. Shell fragments are observed in Section 1 at 9 to 30 cm. The core has mostly biscuiting drilling disturbance, which is moderate.



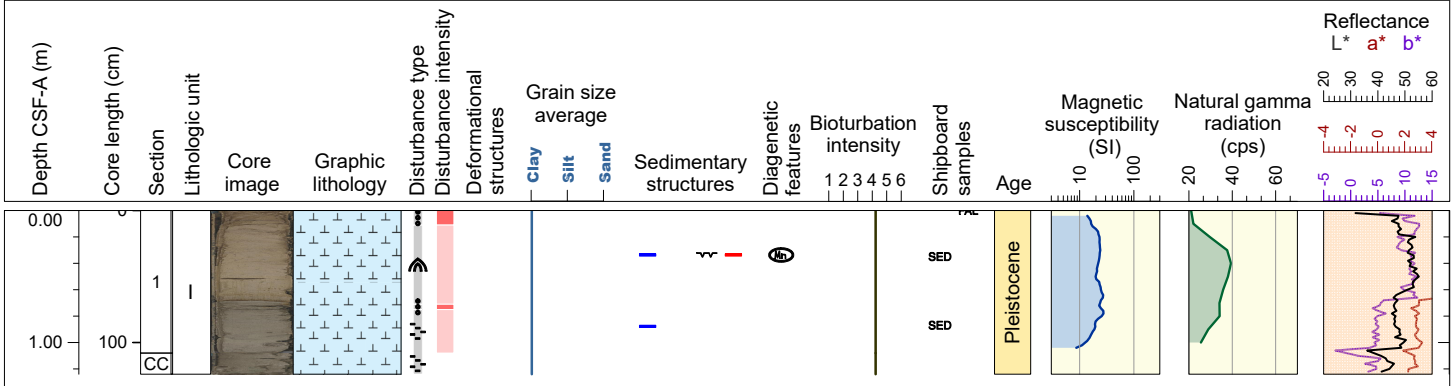
Hole 397-U1586A Core 42X, Interval 344.2-346.41 m (CSF-A)

This core is dominated by interbedded CALCAREOUS GRAINS (LIKELY FORAMINIFERA) which are MEDIUM/COARSE SAND in size and MUDDY VERY FINE to FINE SAND, with minor SILT/CLAY. The core is greenish white to reddish brown in color. Sandy intervals are sharp based, structureless or thinly laminated. One sand bed shows an erosional base and fining upwards grading, possible a turbidite bed. The contacts between lithologies are mostly grain sized, straight to irregular and sharp boundary. Bioturbation is moderate on silt and clay intervals, with planolites and possibly other trace fossils. All the two sections of the core suffered from strong biscuiting drilling disturbance.



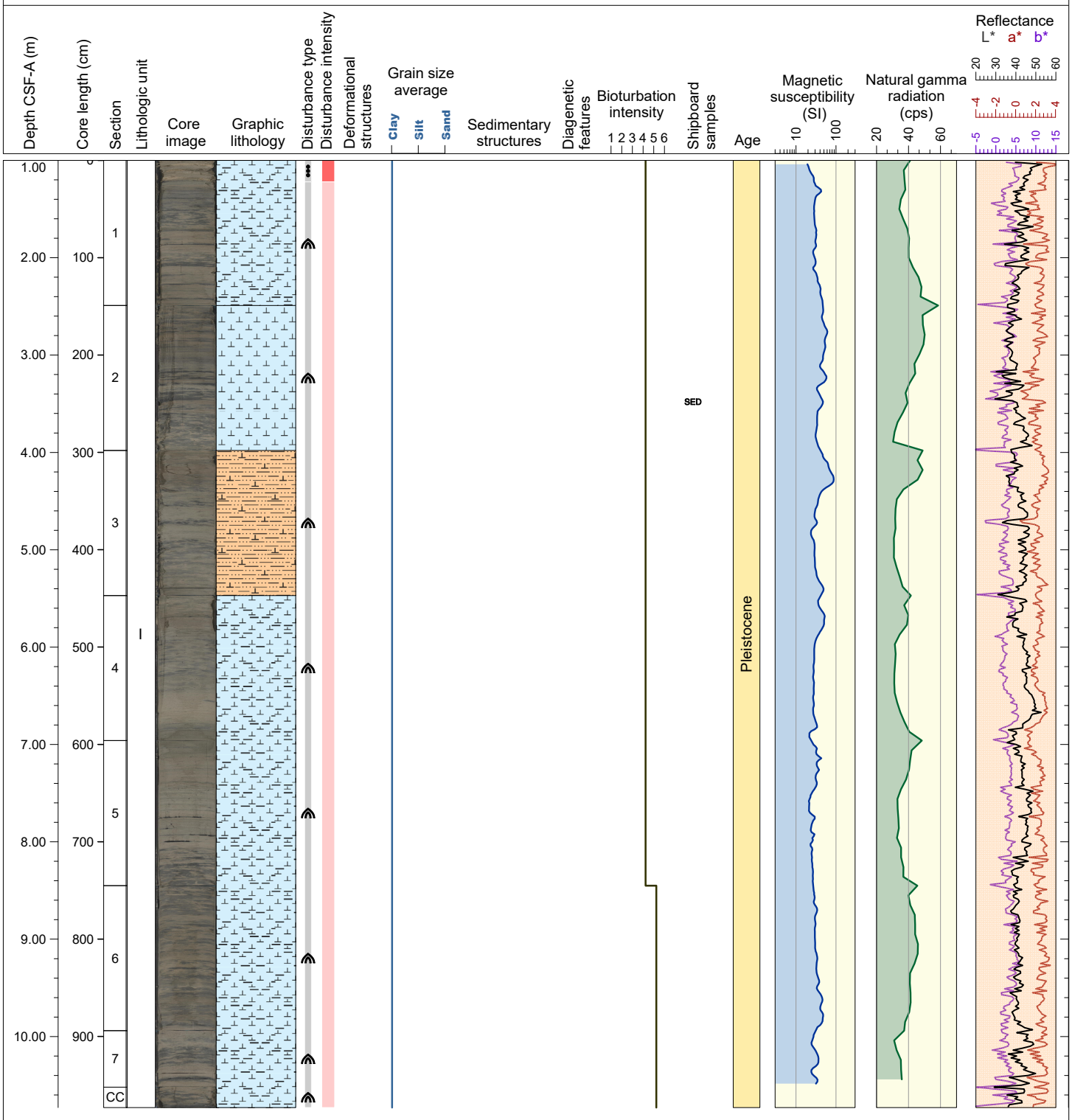
Hole 397-U1586B Core 1H, Interval 0.0-1.24 m (CSF-A)

This core consists of NANNOFOSSIL OOZE with clay. The contact between lithologies is color boundary, straight and sharp. Dark patches and layers throughout the core are observed. A manganese layer is present at Section 1 at 67 cm. The whole core is moderate bioturbated. Most of the core is slightly deformed with up-arching beds drilling disturbed.



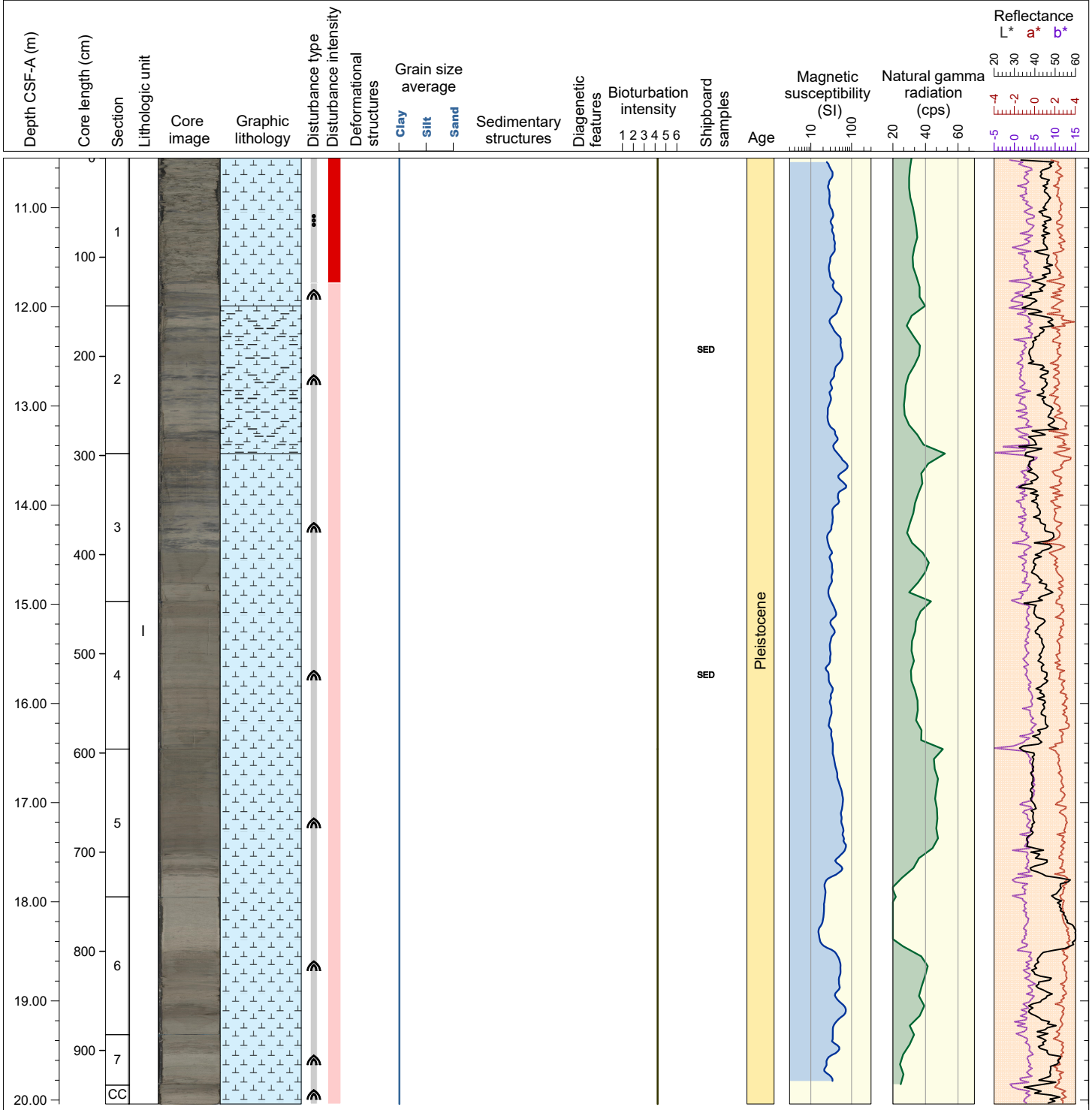
Hole 397-U1586B Core 2H, Interval 1.0-10.73 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH SILT, intercalating with NANNOFOSSIL OOZE with CLAY in Section 2 and NANNOFOSSIL CLAY in Section 3. Dark patches are observed throughout the core and possibly monosulfide is filling burrows in Section 7 from 49 to 50 cm. Bioturbation is moderate to heavy. Most of the core is slightly deformed with up-arching drilling disturbance.



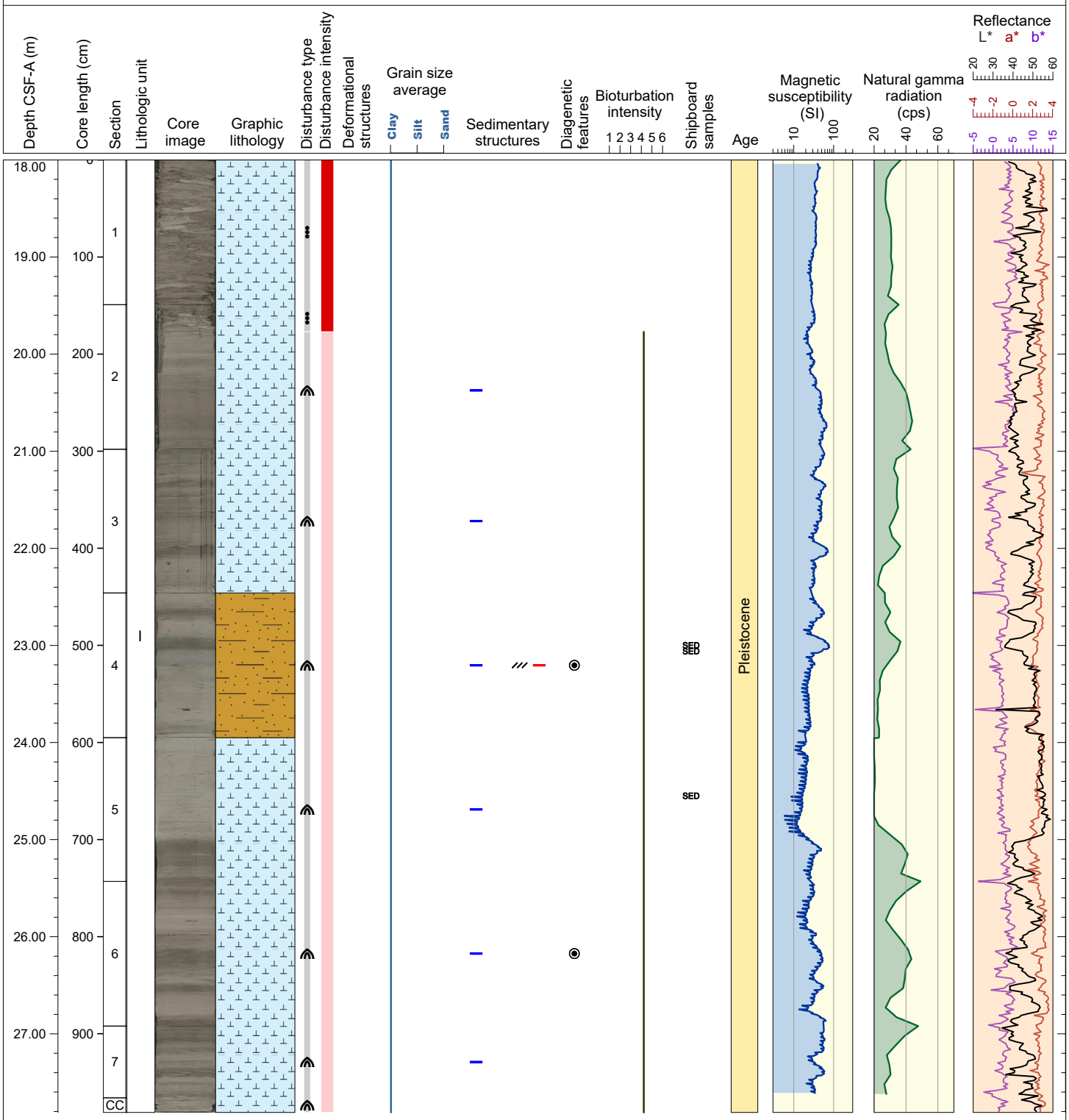
Hole 397-U1586B Core 3H, Interval 10.5-20.04 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. There are dark patches throughout the core. Bioturbation is moderate throughout the core. The first section of the core is strongly affected by soupy drilling disturbance and the other section have slight up-arching drilling disturbance.



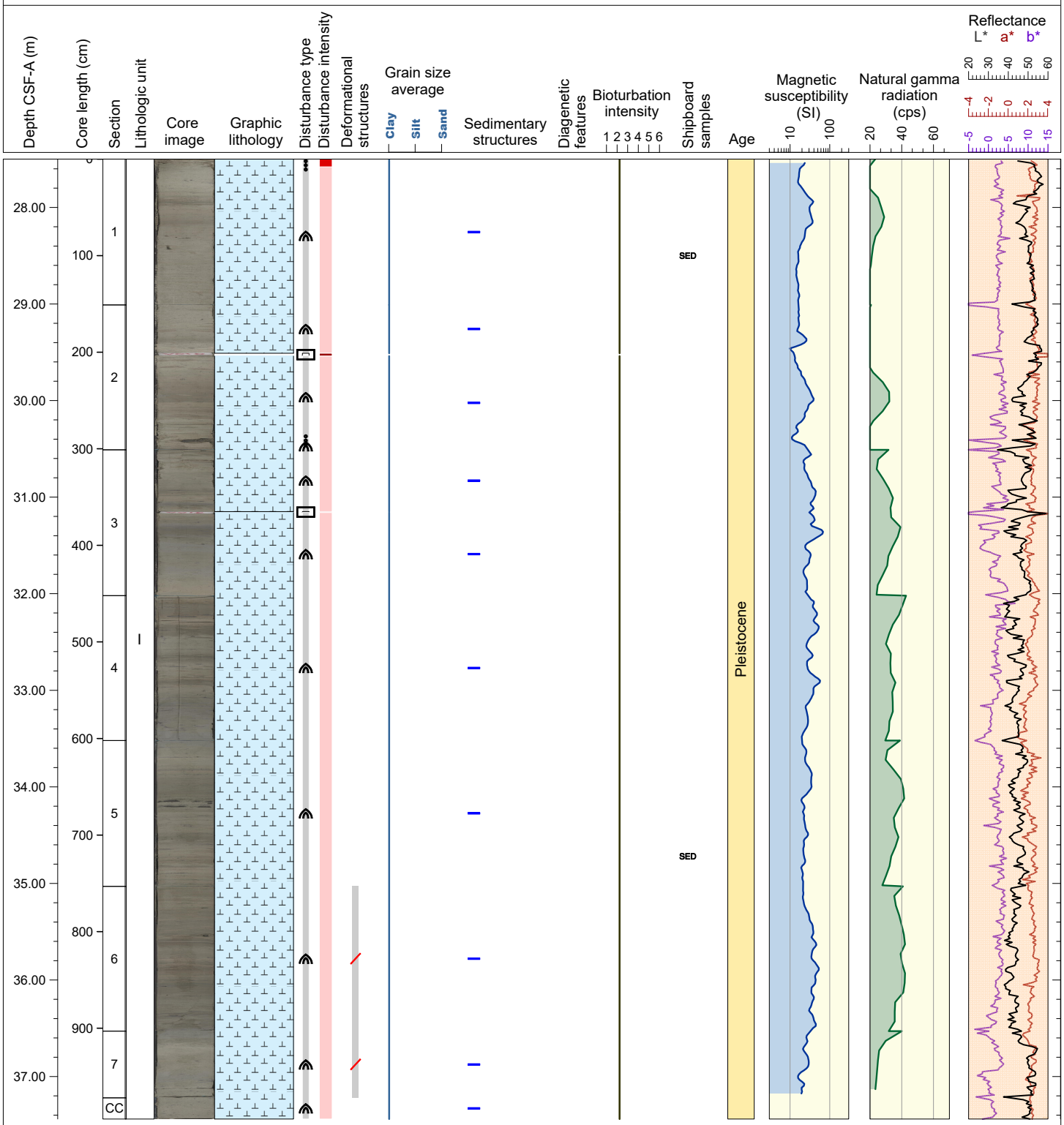
Hole 397-U1586B Core 4H, Interval 18.0-27.81 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE intercalating with SILTY CLAY WITH NANNOFOSSIL. The contacts between lithologies are colored, irregular and gradational. Most of the core shows color banding and dark nodules are found in Section 4 at 119 to 121 and in Section 6 at 41 to 42 cm. Bioturbation is moderate throughout the core. The first section has strong soupy drilling disturbance and the other sections present slight up-arching drilling disturbance.



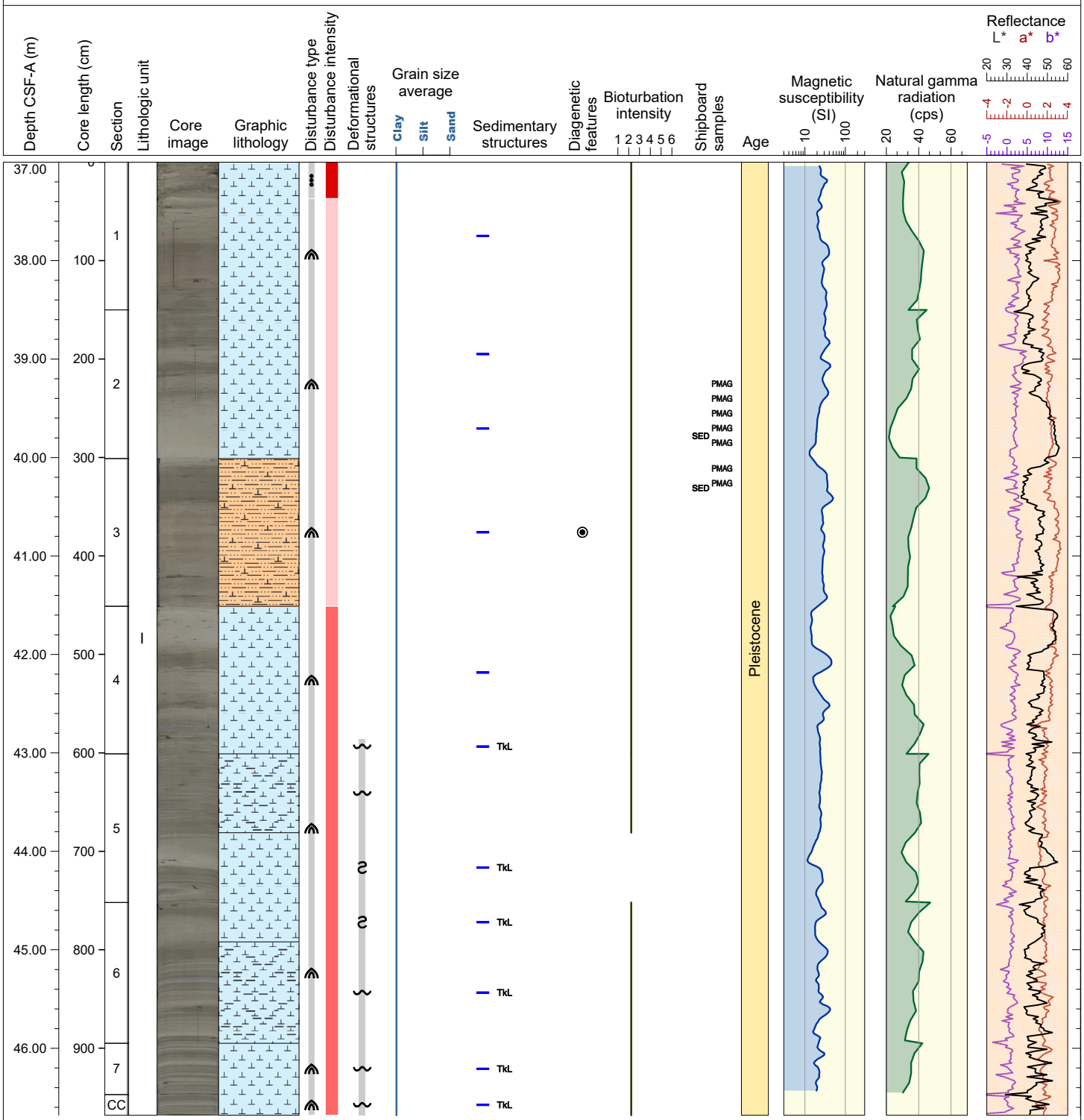
Hole 397-U1586B Core 5H, Interval 27.5-37.44 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY. There are dark patches throughout the core as well as green and brown bands and black stained burrows.Bioturbation is sparse and planolites are present. A minor fault is found from Section 5 at 100 cm to Section 6 at 7 cm. The first 8 cm of the core are strongly disturbed and in a soupy condition while the rest of the core is slightly disturbed by up-arching.



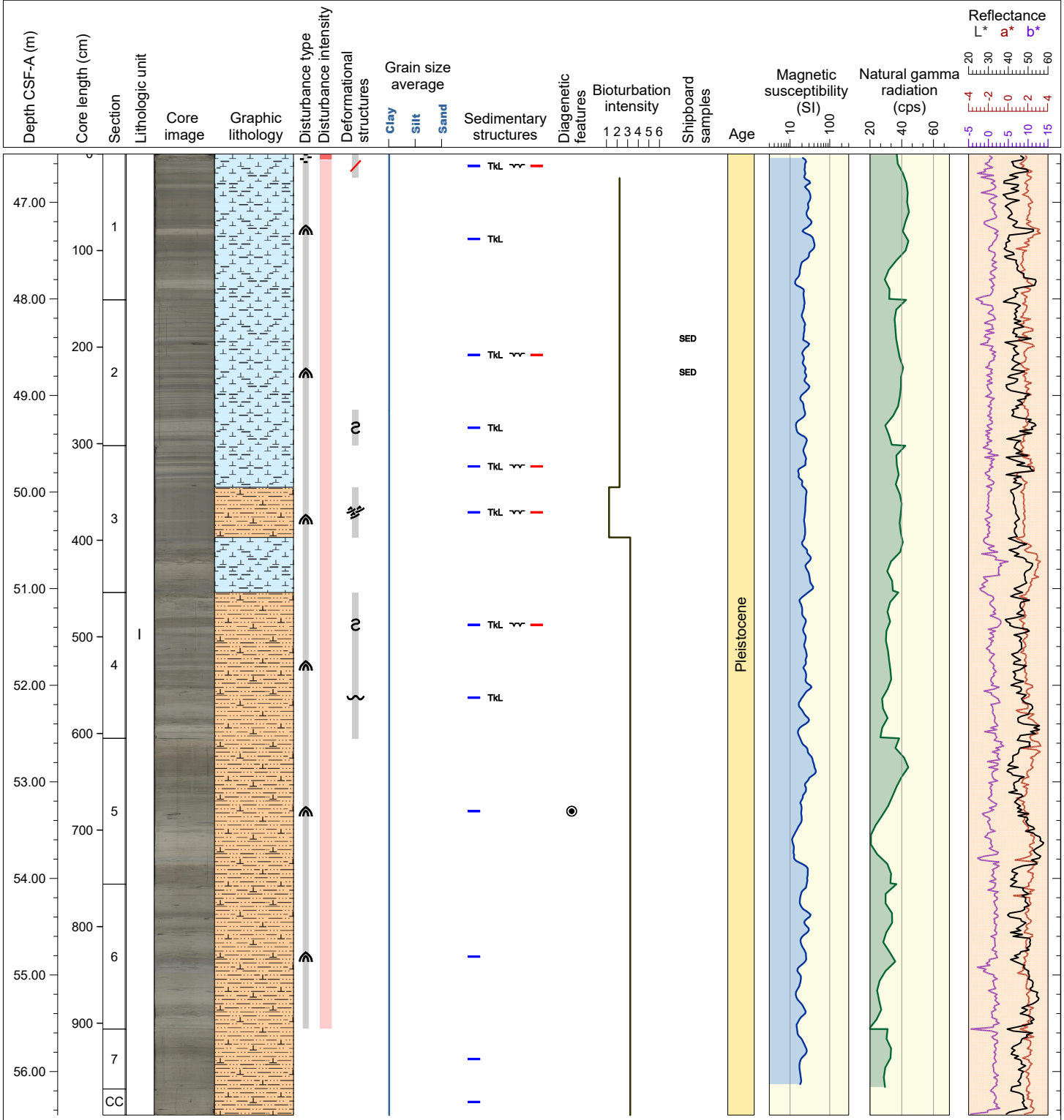
Hole 397-U1586B Core 6H, Interval 37.0-46.68 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay and NANNOFOSSIL CLAY WITH SILT. In some parts, foraminifera are present. Sections 1 to 4 at 135 cm show color banding with minor black patches. Section 4 at 135 cm to the base of the core is thickly laminated with dark and light bands and is affected by contorted bedding with slump folds between Section 5 at 80 cm and Section 6 at 40 cm. Bioturbation is sparse throughout the core and planolites are found in Sections 1 to 4. The first 37 cm of the core are strongly disturbed and in a soupy condition while the rest of the core is slightly to moderately disturbed by up-arching.



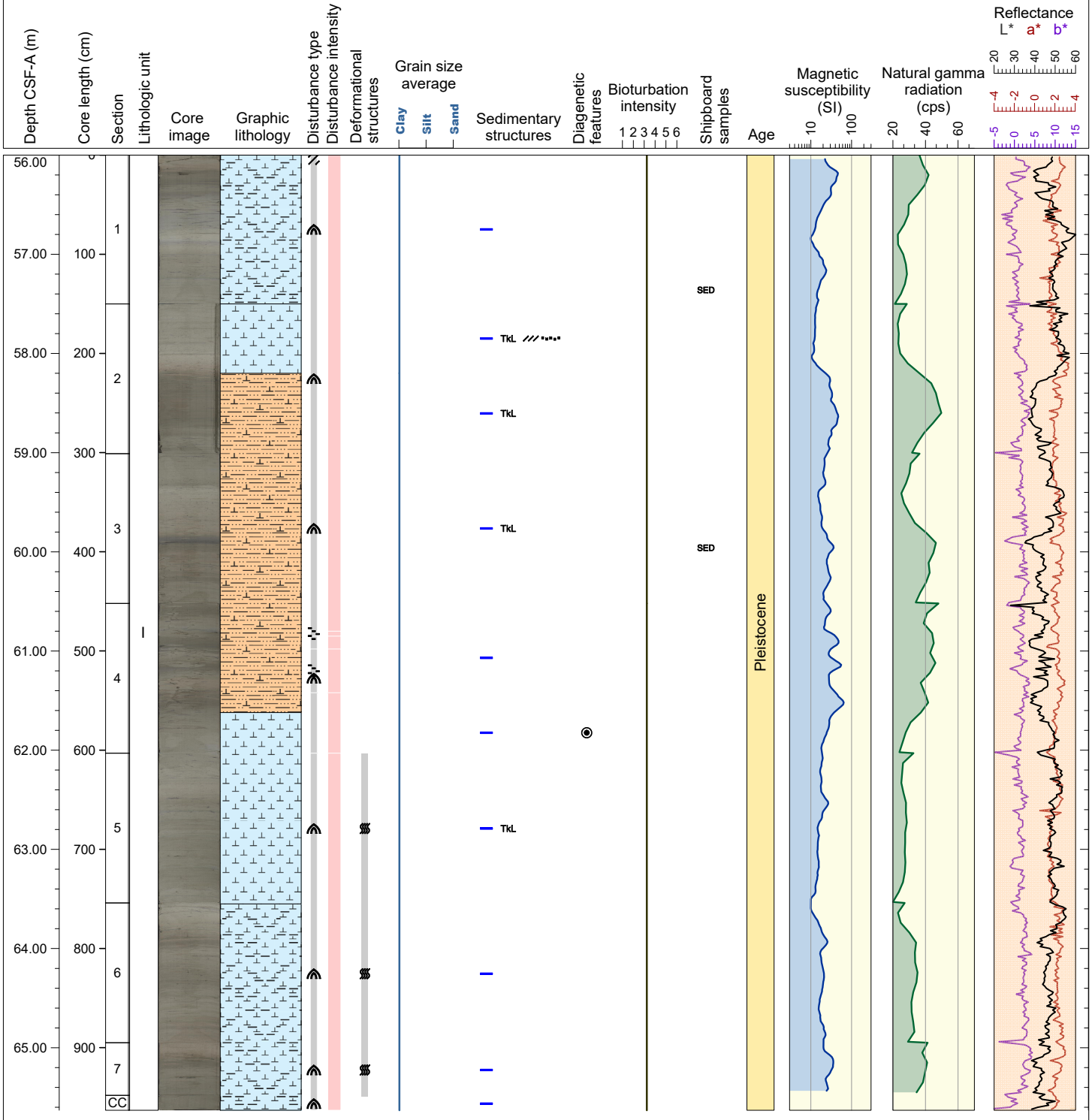
Hole 397-U1586B Core 7H, Interval 46.5-56.45 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay/foraminifera and NANNOFOSSIL CLAY WITH FORAMINIFERA. Section 1 shows very minor syn-sedimentary faulting. The core is thickly laminated and medium bedded throughout with light and dark banding throughout the core. Tight slump folds and contorted lamination/convolute bedding are at present in sections 2, 3 and 4. There is a black nodule and a 5 cm green layer present in section 5. Bioturbation is sparse to slight throughout the core. No bioturbation is present in some of the tightly folded beds. The first 6 cm of the core are strongly disturbed and in a slurry condition while the rest of the core is slightly disturbed by up-arching.



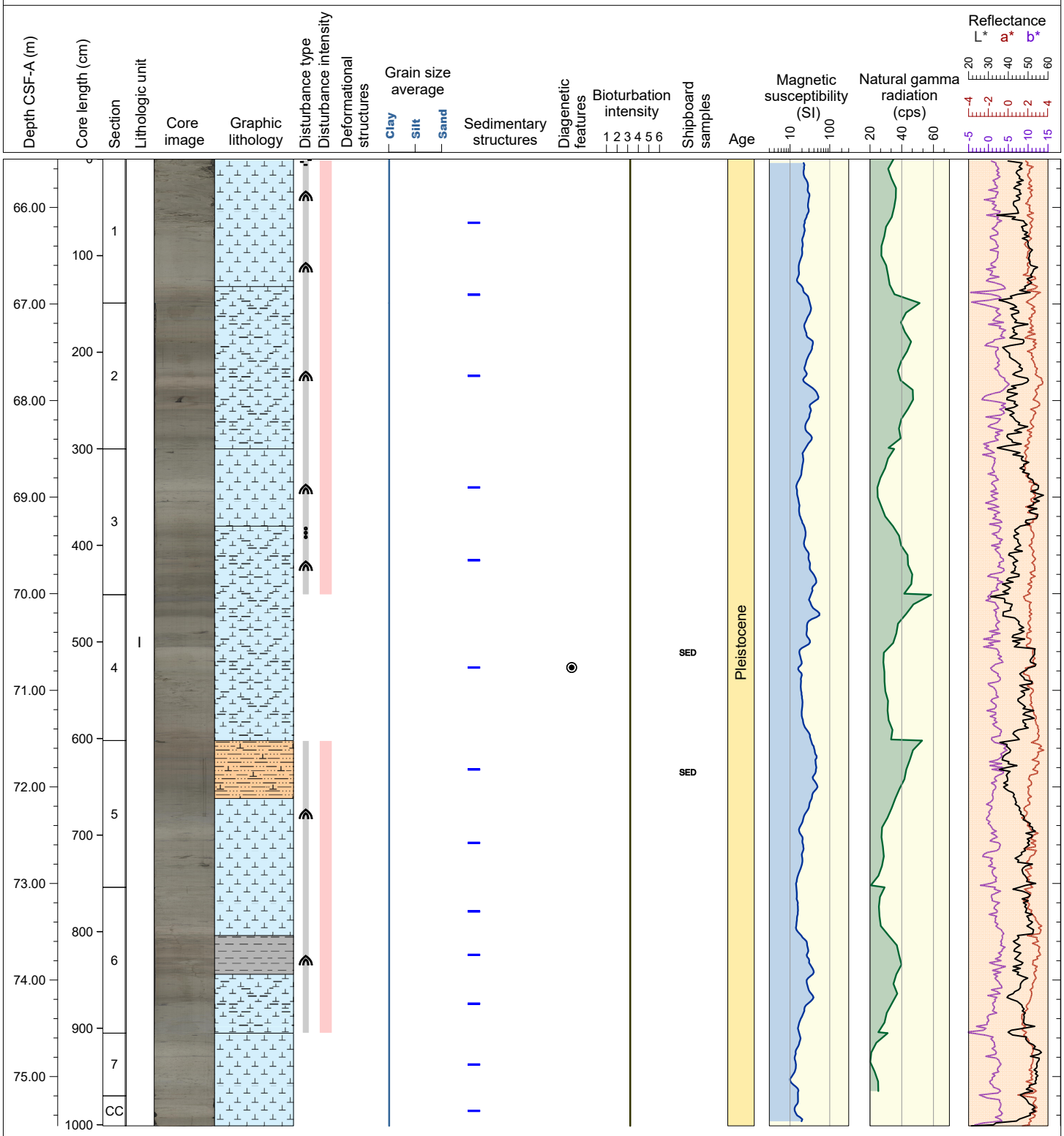
Hole 397-U1586B Core 8H, Interval 56.0-65.63 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE with FORAMINIFERA and NANNOFOSSIL CLAY sometimes with SILT. Contacts are bioturbated, irregular and gradational. The core is thickly laminated and medium bedded throughout with light and dark banding throughout the core, black patches are also present. A 4 cm green layer is present in section 3 and a black nodule is present in core 4 at 43 cm. Bioturbation is slight throughout the core with planolites present. Sections 5 to 7 show signs of soft-sediment deformation. The first 8 cm of the core is slightly disturbed by cracking, parts of section 4 are slightly disturbed and in a slurry condition. The rest of the core is slightly disturbed by up-arching.



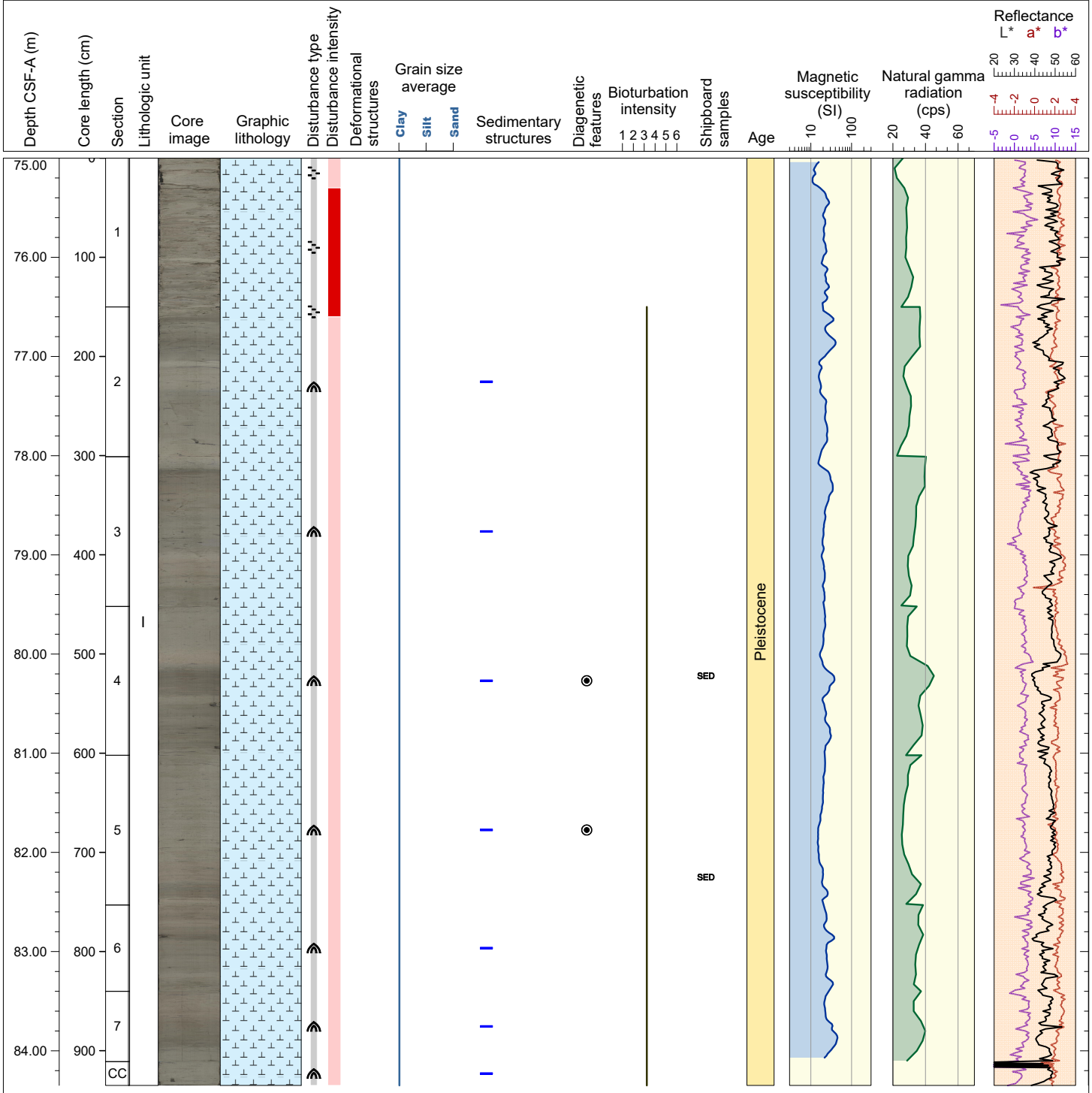
Hole 397-U1586B Core 9H, Interval 65.5-75.51 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH FORAMINIFERS intercalating with CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. It is mediumly bedded with light and dark banding throughout as well as dark patches. Nodules are present in Section 4 at 40 cm, 120 cm, 128 cm. Throughout the core there is slight bioturbation and planolites are found. The core is slightly disturbed by up-arching and has a soupy interval within Section 3 at 83-91 cm.



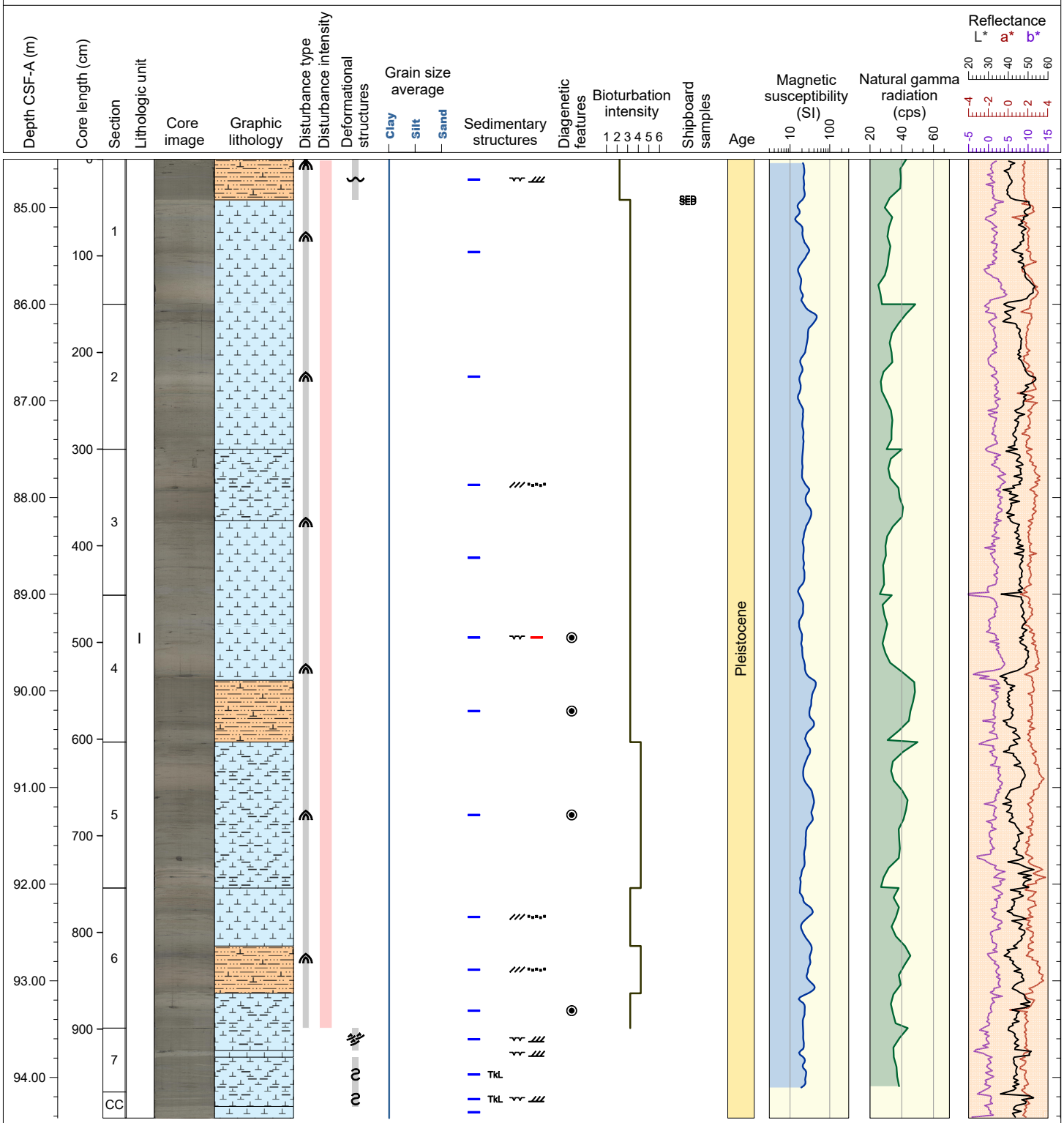
Hole 397-U1586B Core 10H, Interval 75.0-84.35 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY. It presents light and dark banding throughout as well as dark patches. Throughout the core there is slight bioturbation and planolites are found. The first 30 cm of the core is slightly disturbed and partially in a slurry condition, the rest of section 1 and section 2 up to 10 cm is strongly disturbed and in a slurry condition. The rest of the core is slightly disturbed by up-arching.



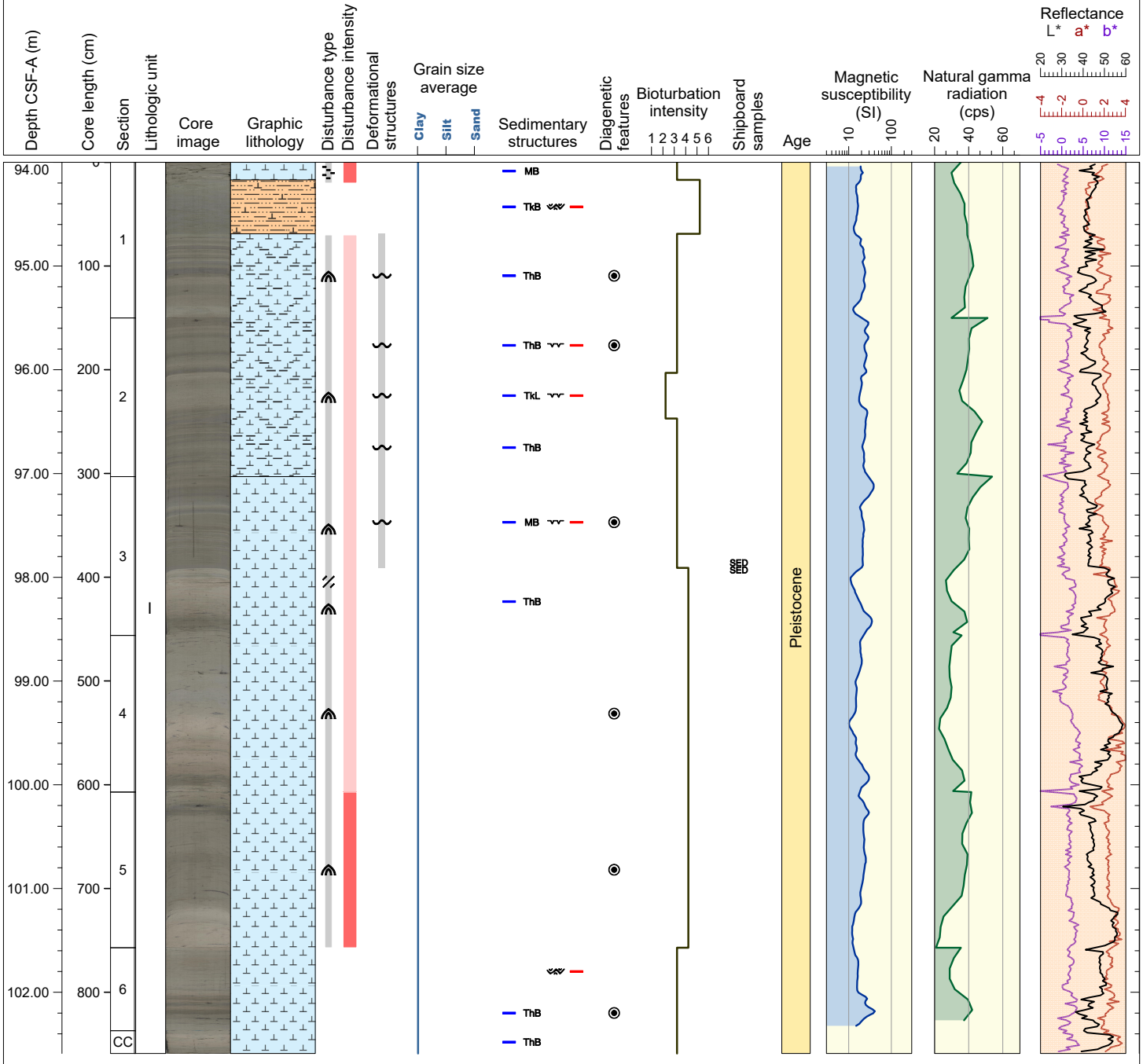
Hole 397-U1586B Core 11H, Interval 84.5-94.42 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with various amounts of clay/foraminifera and NANNOFOSSIL CLAY. There is a straight-irregular sharp erosional boundary in Section 1 at 42 cm. Above that, the sediment is very thinly bedded and color-banded. It shows contorted bedding with a small slump and convoluted bedding at 8-12 cm. Underneath, it is mediumly bedded with color-banding with light and dark brown layers throughout. The sediment is slightly to moderately bioturbated and several nodules are found. Section 7 and the core catcher are thickly laminated with color-banding and have several syn-sedimentary faults. There are two sharp erosional boundaries (one with a rip-up clast) and slump folds are found. Sections 1 to 6 are slightly disturbed by up-arching.



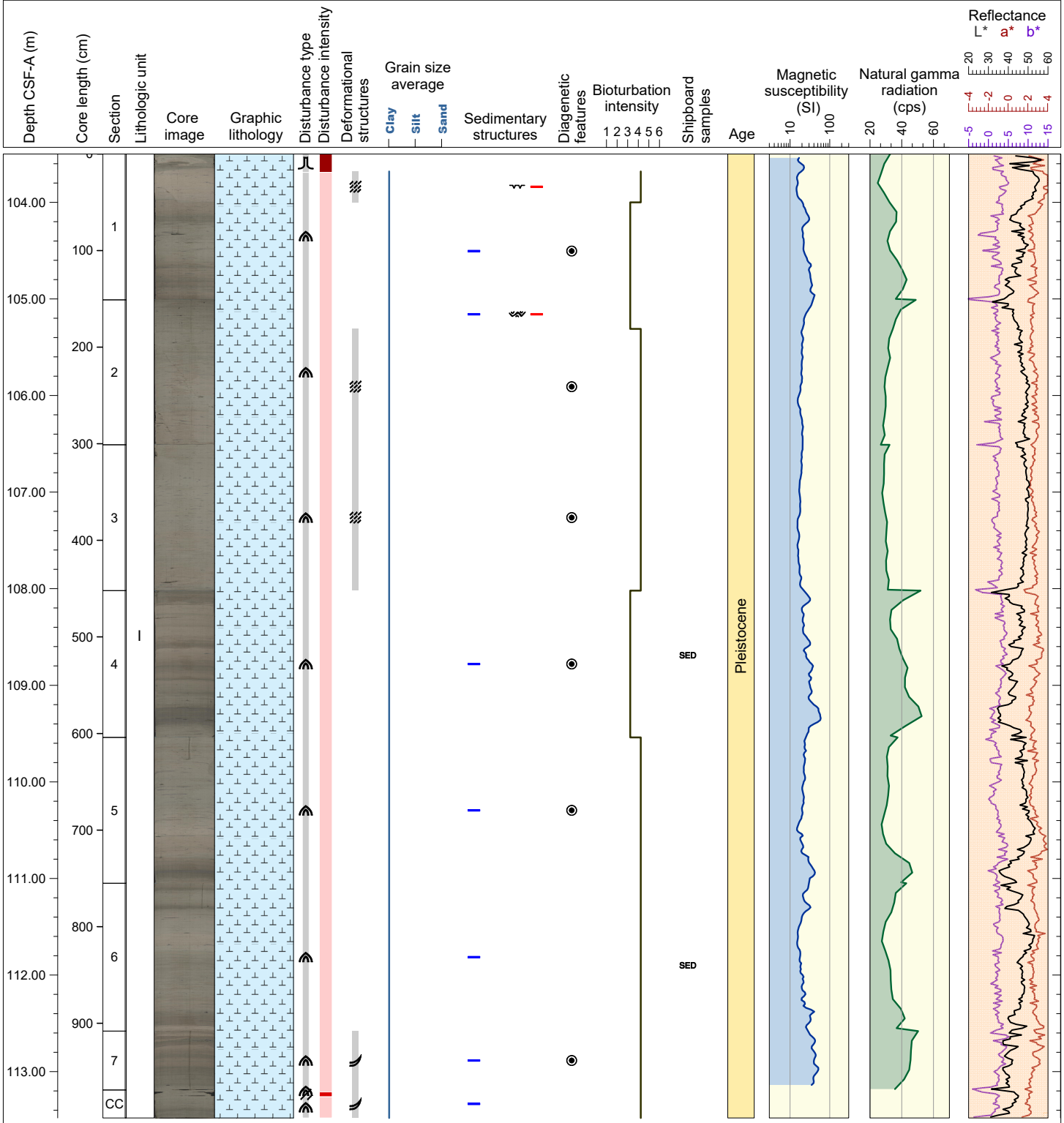
Hole 397-U1586B Core 12H, Interval 94.0-102.59 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with various amounts of clay/foraminifers. Sections 1-3 shows contorted bedding and there are homogenized intervals in sections 4 and 6 that show no banding. The core shows various thickness of bedding and lamination. Boundaries between layers are color-boundaries that are straight and sharp. Nodules are found throughout. Bioturbation is slight to heavy. The first 20 cm of the core are moderately disturbed and in a slurry condition. Section 1 at 70 cm to Section 4 is slightly disturbed by up-arching while Section 5 is moderately disturbed by this.



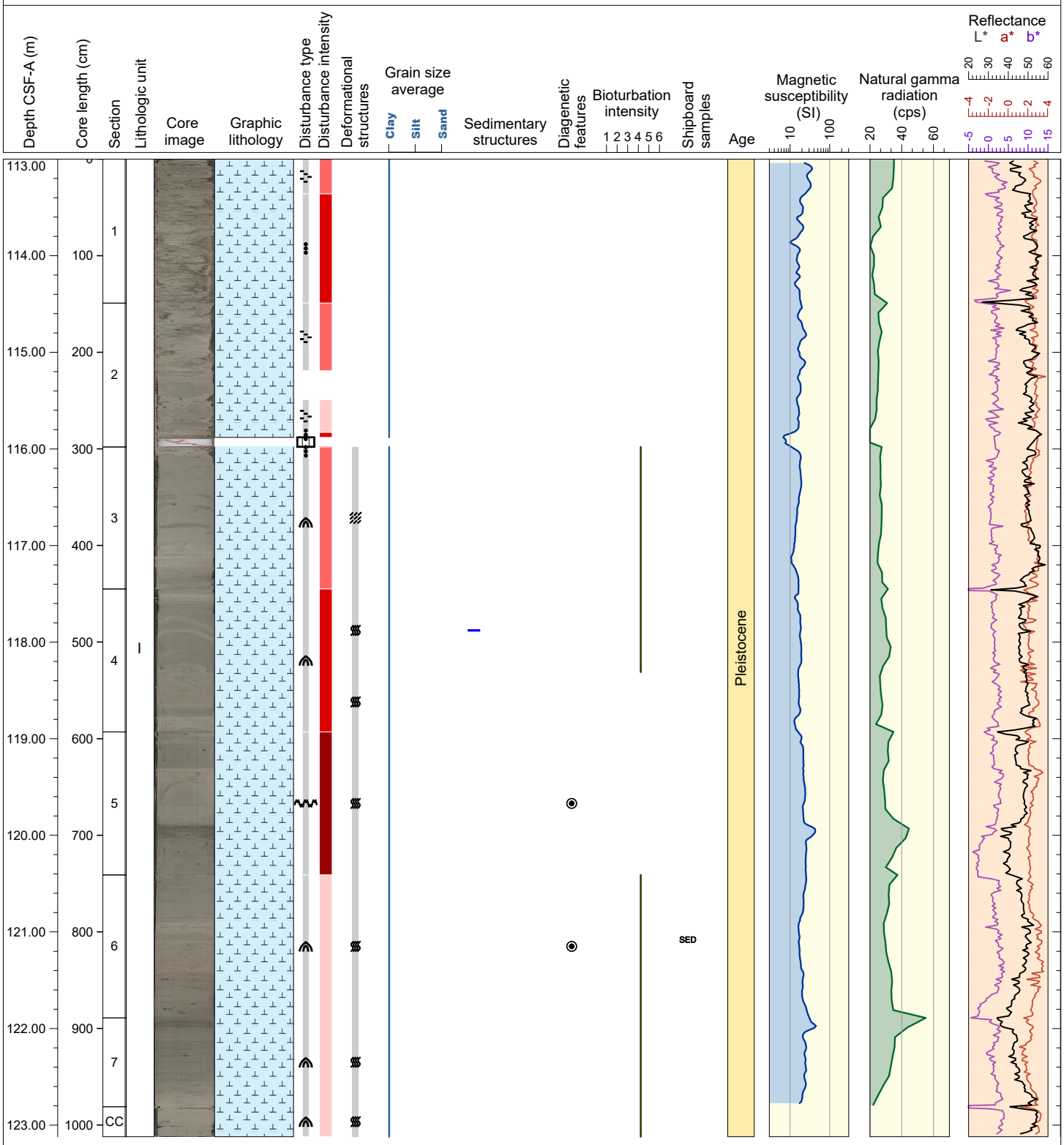
Hole 397-U1586B Core 13H, Interval 103.5-113.48 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with various amounts of clay/foraminifera and NANNOFOSSIL OOZE with CLAY. The contacts between lithologies are color boundary, straight to irregular and sharp to gradual. Sediment is mostly medium bedded and color-banded. A fault is observed in Section 2 at 47 to 80 cm and dark nodules are observed throughout the core. Homogenized intervals are observed in Sections 1,2 and 3 and a inclined deformed bed is observed in Section 7 at 6 to 11 cm. The sediment is slightly to moderately bioturbated. The core presents a severe flow in disturbance in Section 1 from 0 to 19 cm, strong crack drilling disturbance in CC and slight up-arching drilling disturbance in the other sections.



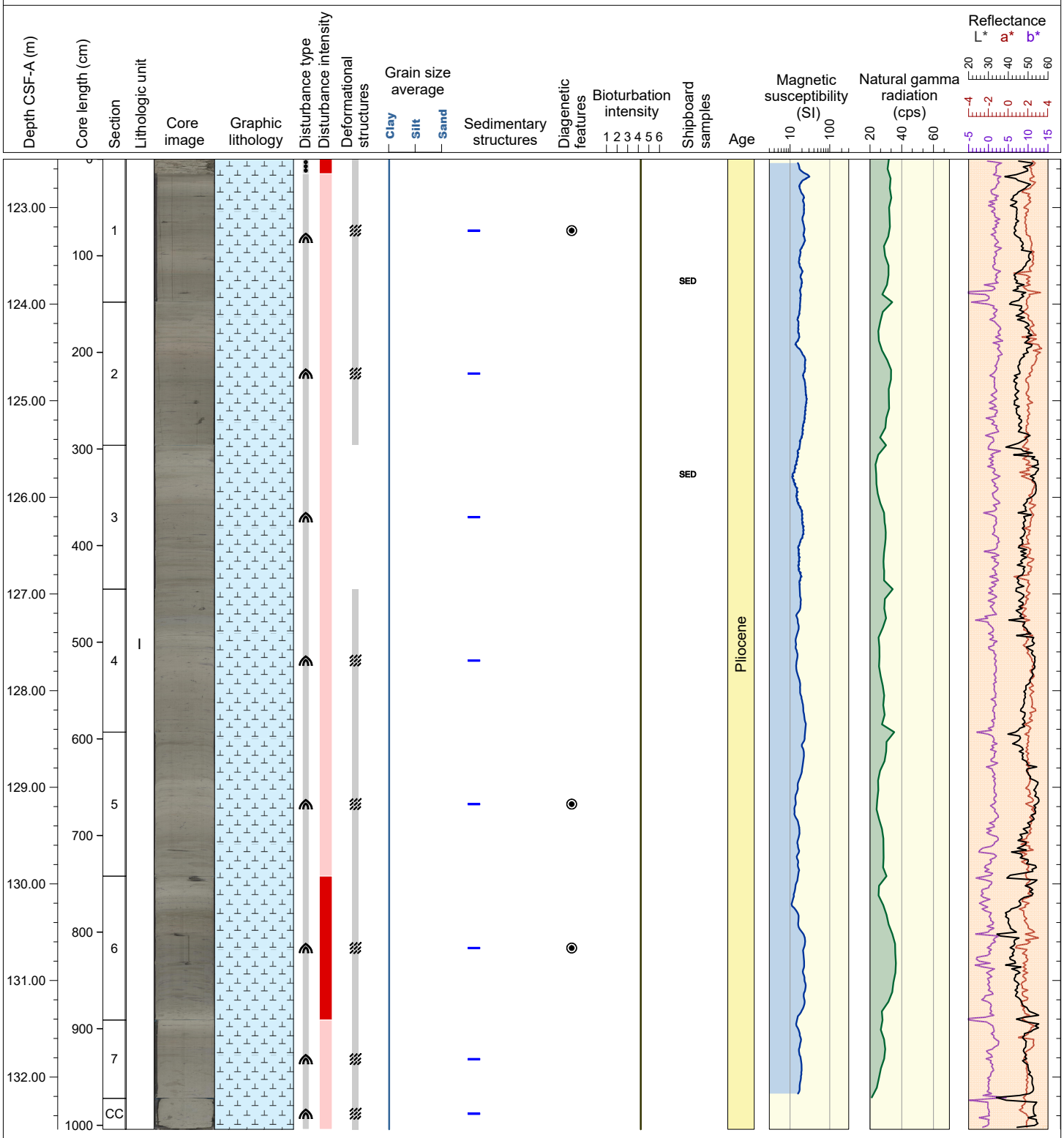
Hole 397-U1586B Core 14H, Interval 113.0-123.12 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE, intercalating with NANNOFOSSIL OOZE with CLAY. Most sections present homogenized intervals and soft-sediment deformation. Dark nodules, possibly pyrite, are observed in Section 5, at 3, 19 and 98 cm, and Section 6 at 108,5 and 142 cm. The sediment is moderately bioturbated. The core presents mostly slight to strong up-arching drilling disturbance, with strong soupy drilling disturbance and slight to moderate slurry drilling disturbance in Sections 1 and 2.



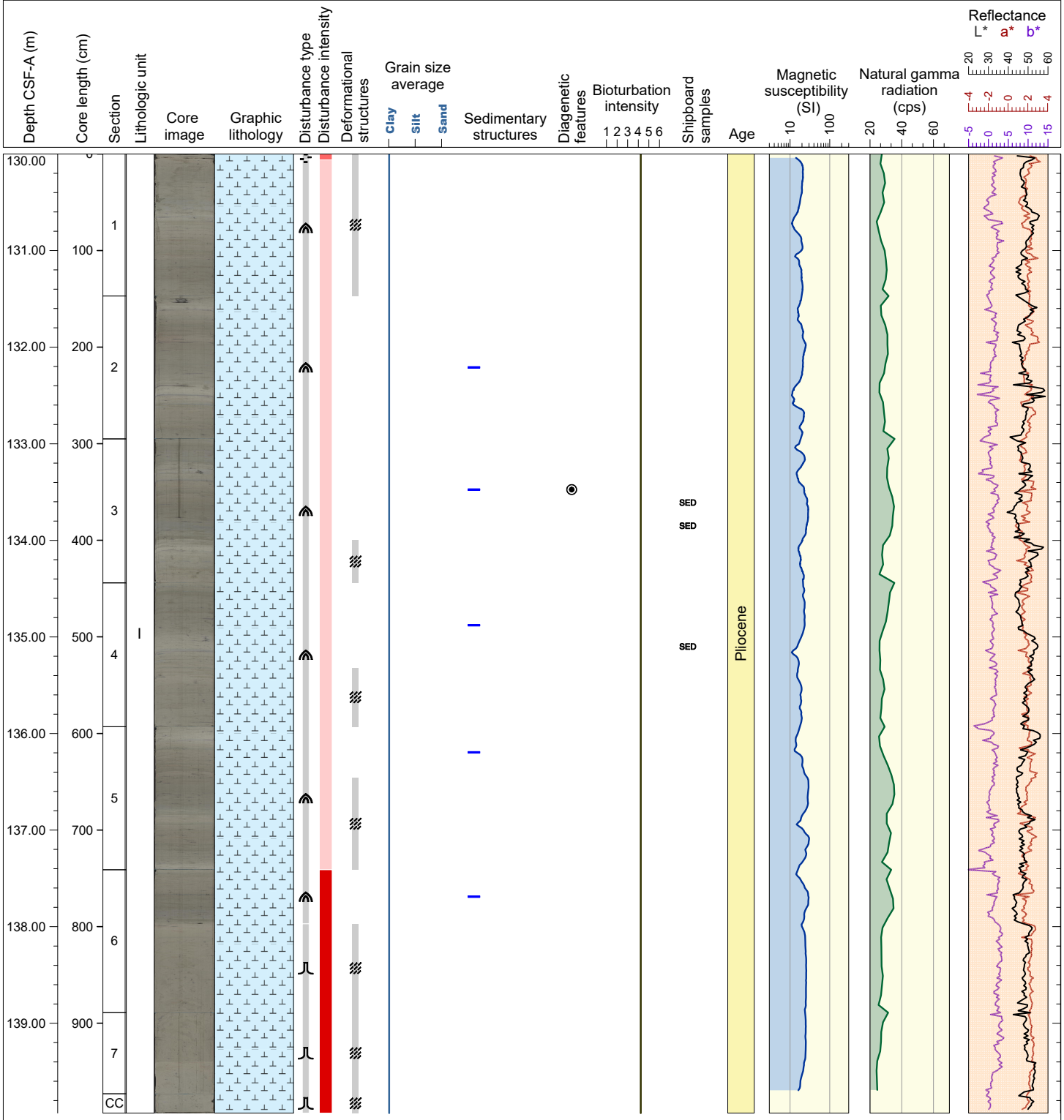
Hole 397-U1586B Core 15H, Interval 122.5-132.54 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE, intercalating with NANNOFOSSIL OOZE with CLAY. Color banding and dark patches are present throughout the core. Most sections present homogenized intervals and dark nodules are observed in Section 5, at 3, 19 and 98 cm, and in Section 6 there are pyrite nodules at 108,5 and 142 cm. The sediment is moderately bioturbated. The core presents a strong soupy drillling disturbance in Section 1 from 0 to 15 cm and slight to strong up-arching drilling disturbance in the other sections.



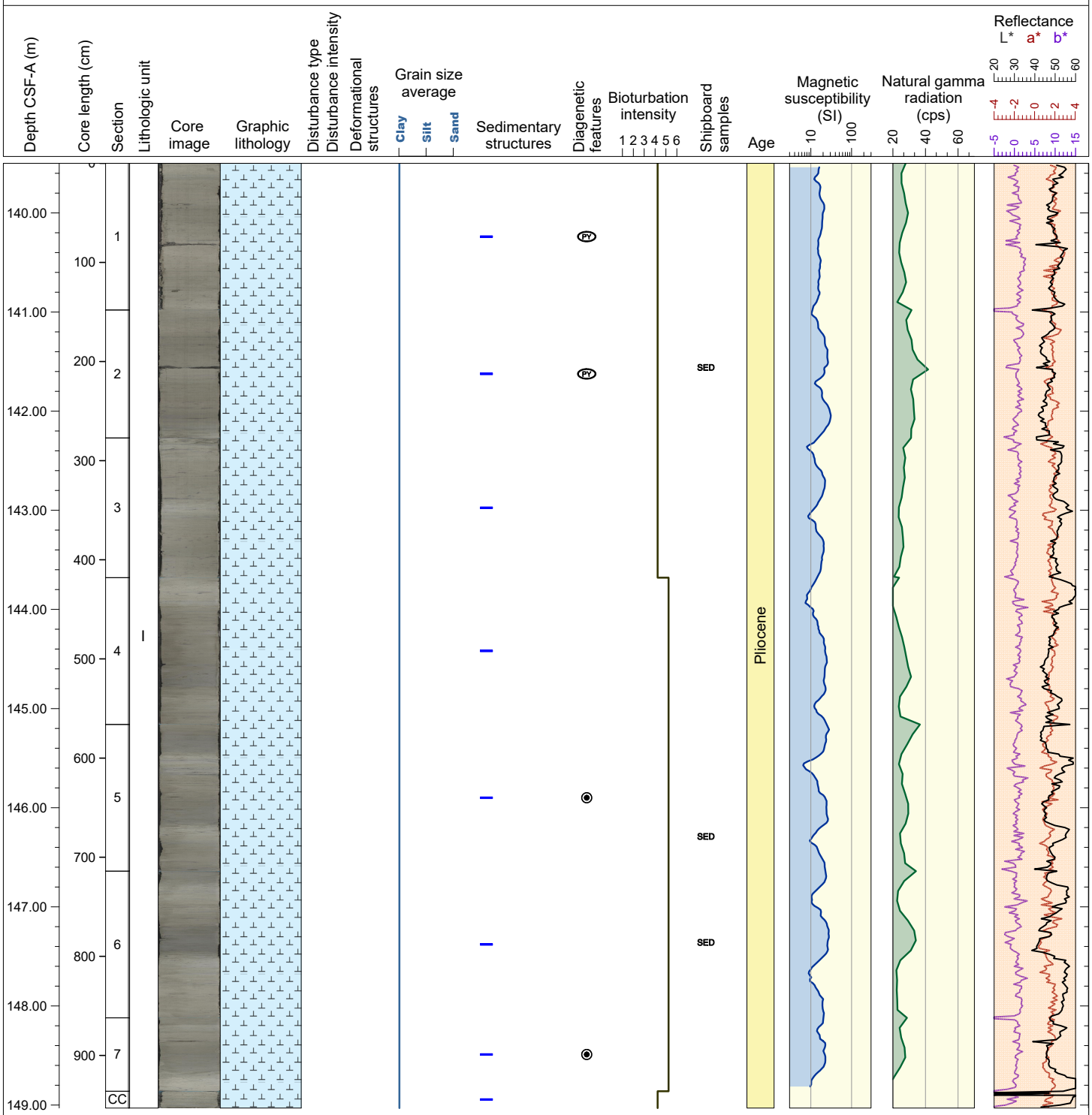
Hole 397-U1586B Core 16H, Interval 130.0-139.93 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE, with varying amounts of clay and carbonate. Sediment is mostly mediumly bedded and color-banded. Color banding is commonly observed. Most sections present homogenized intervals and a pyrite nodule is observed in Section 4, at 33 cm, and in Section 6. The sediment is moderately bioturbated. A cold water coral is observed in Section 2 at 3 cm. The core mostly presents mostly slight to strong up-arching drilling disturbance and strong flow in drilling disturbance in Sections 6, 7 and CC.



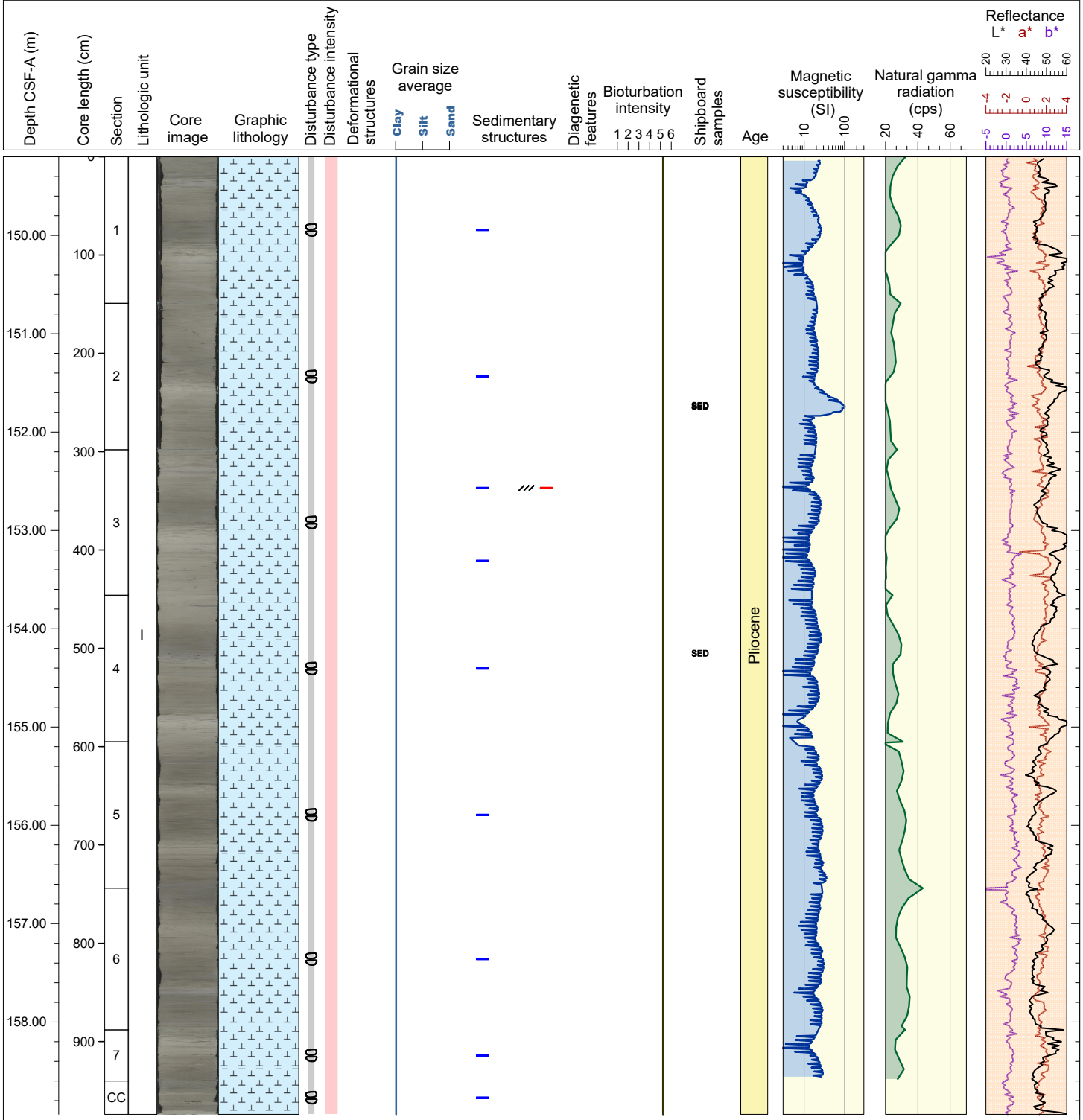
Hole 397-U1586B Core 17X, Interval 139.5-149.03 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with CLAY, intercalating with NANNOFOSSIL OOZE. The core is mostly mediumly bedded, with light and dark banding throughout the core. Color banding is commonly observed. A dark layer with pyrite nodules is observed in Section 1, at 56 cm and in Section 2 at 81 cm. Bioturbation is moderate to heavy, with trace fossils such as chondrites, planolites and zoophycos being commonly observed. Drilling disturbance is not present in this core.



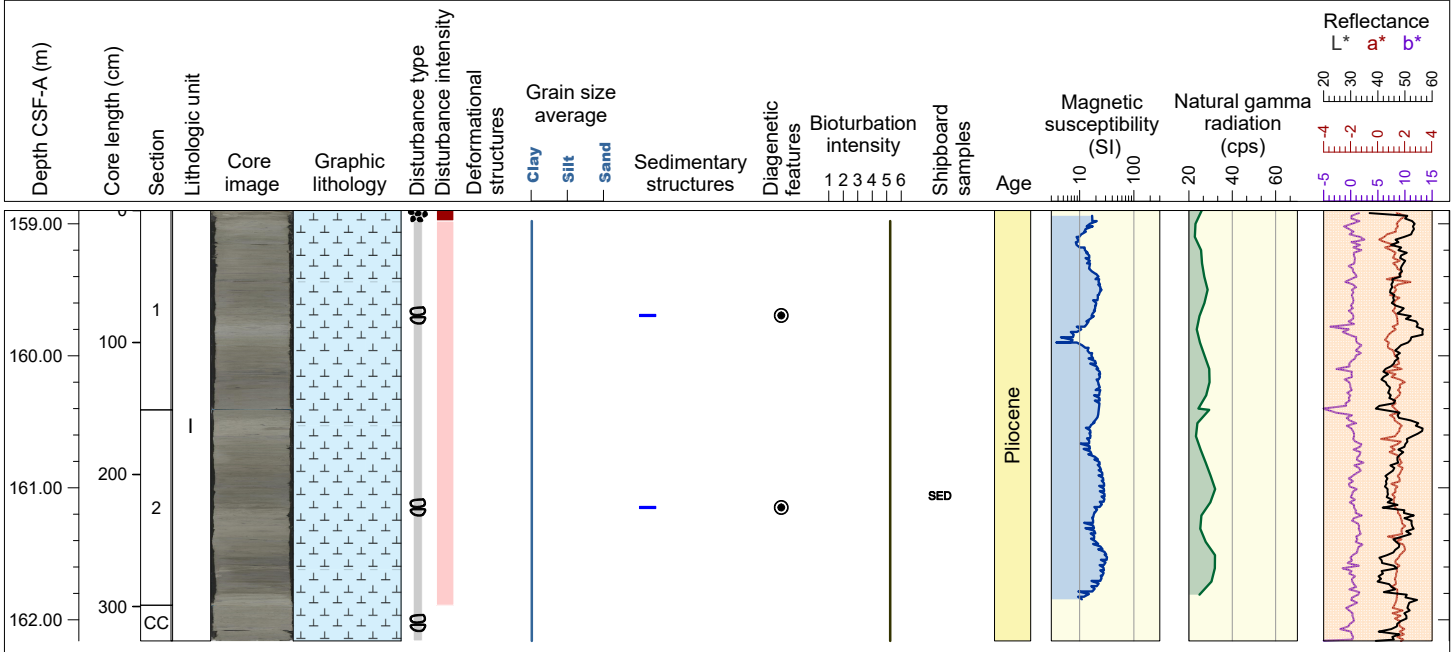
Hole 397-U1586B Core 18X, Interval 149.2-158.94 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with CLAY, intercalating with NANNOFOSSIL OOZE. The core is mostly mediumly bedded, with light and dark banding throughout the core. The contacts between lithologies are mostly color boundary, irregular and gradational. Color banding and dark patches throughout the core is observed. Abundant opaque grains are observed in Section 2, at 105 cm (Magnetic susceptibility peak?). Bioturbation is heavy, with trace fossils such as chondrites, planolites and zoophycos being commonly observed. The core presents slight biscuiting drilling disturbance. Ã¿



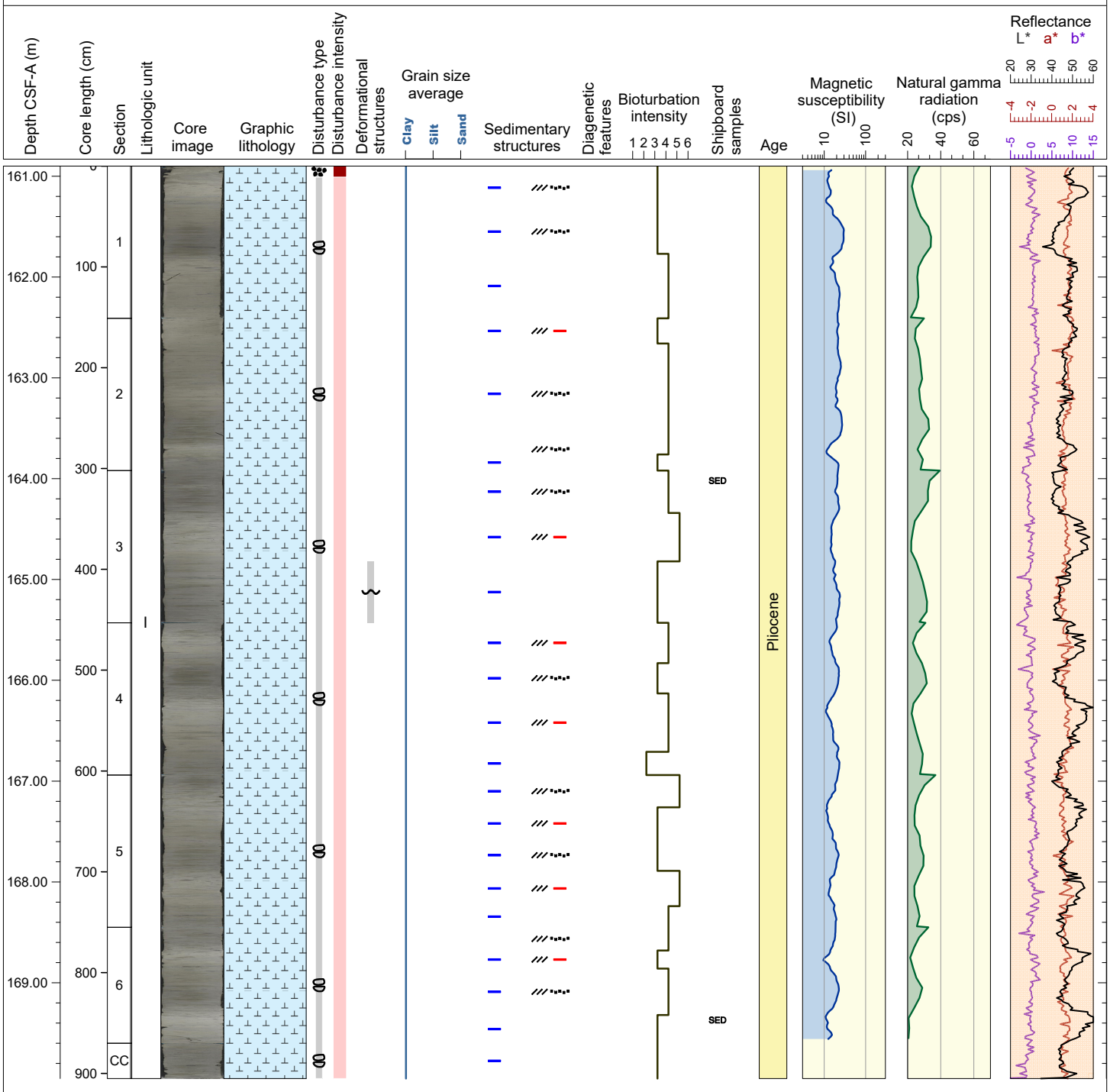
Hole 397-U1586B Core 19X, Interval 158.9-162.16 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with CLAY, intercalating with NANNOFOSSIL OOZE. The core is thickly bedded, with light and dark banding throughout the core. The contacts between lithologies are mostly bioturbated, irregular and gradational. Color banding is present and pyrite nodules are observed in Sections 1 at 53 cm and Section 2 at 132.5 cm. Bioturbation is heavy, with trace fossils such as chondrites, planolites and zoophycos being commonly observed. The core presents slight biscuiting drilling disturbance.



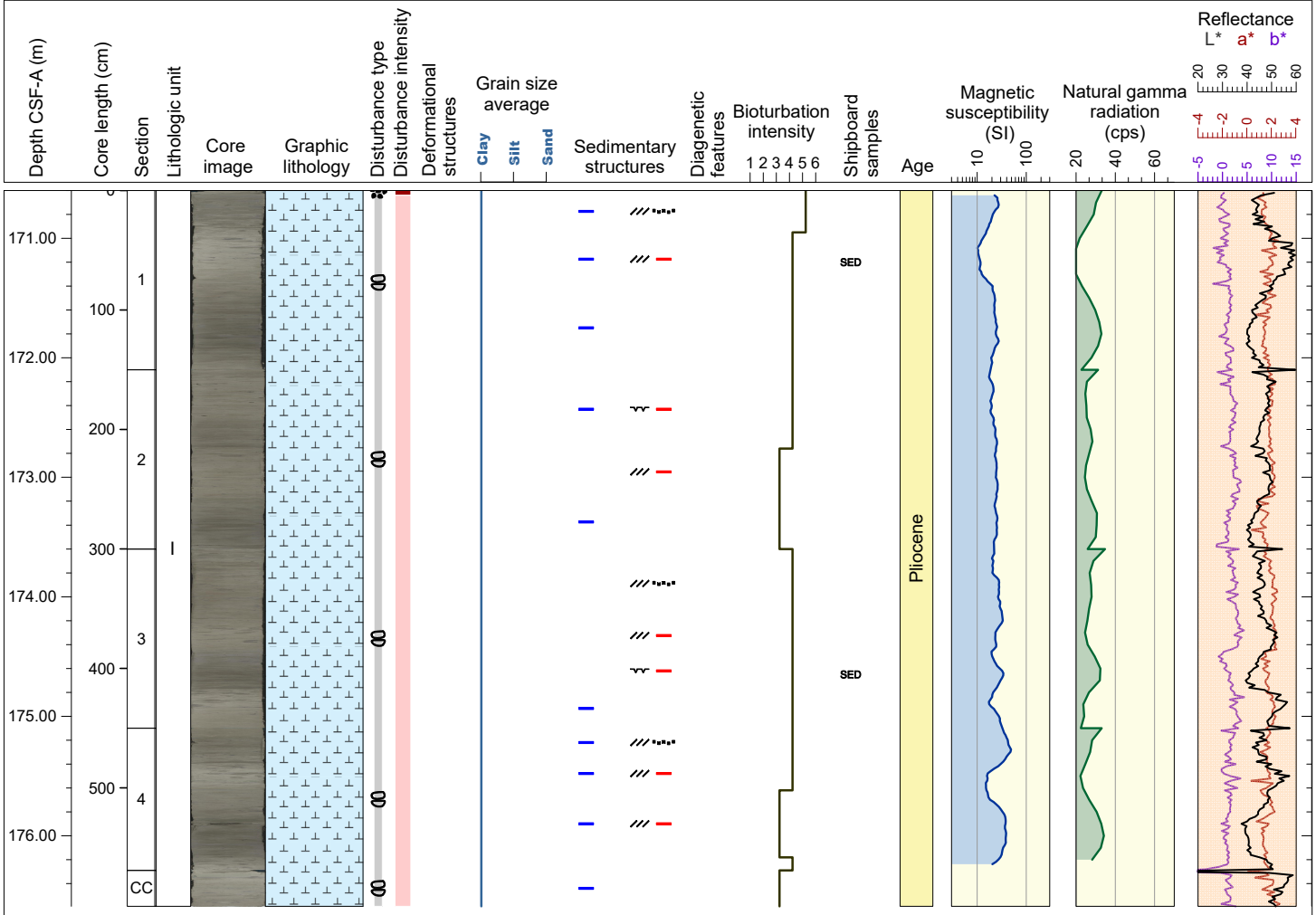
Hole 397-U1586B Core 20X, Interval 160.9-169.95 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE intercalating with NANNOFOSSIL OOZE with CLAY. The core is thickly bedded with light and dark and occasional green banding throughout the core. The boundaries between layers are bioturbated or color boundaries which are irregular and gradational. There are possible erosional surfaces in section 3 at 105cm and 149cm, with a small layer contorted bed between these. Color banding and dark patches are present throughout the core. Bioturbation is slight to heavy with trace fossils such as chondrites, planolites and zoophycos being commonly observed. The core is strongly disturbed by fall-in or spiral core disturbance in the first 11 cm of section 1. The rest of the core shows slight biscuiting drilling disturbance.



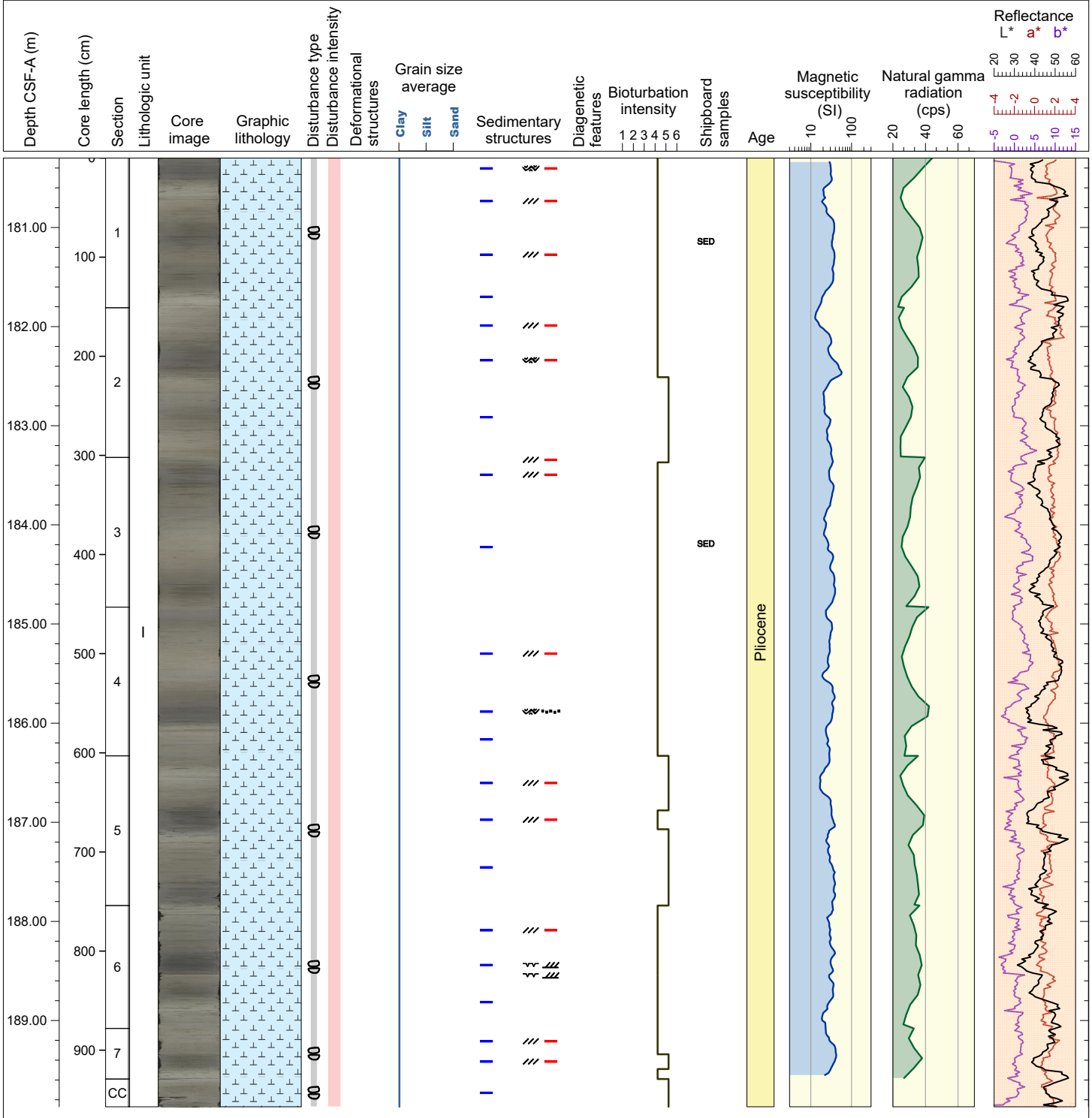
Hole 397-U1586B Core 21X, Interval 170.6-176.59 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE intercalating with NANNOFOSSIL OOZE WITH CLAY. The contacts between lithologies are mostly color boundary or bioturbated, and irregular. Two sharp boundaries are present in Section 2 at 66 cm and in Section 3 at 117 cm. Color banding and patches are found throughout the core. Bioturbation is slight to heavy with trace fossils such as chondrites, planolites, and zoophycus being commonly observed. The first 4 cm of the core presents a fall-in. The rest of the core shows slight biscuiting drilling disturbance. Minor cracks are found in sections 1, 2, and 4.



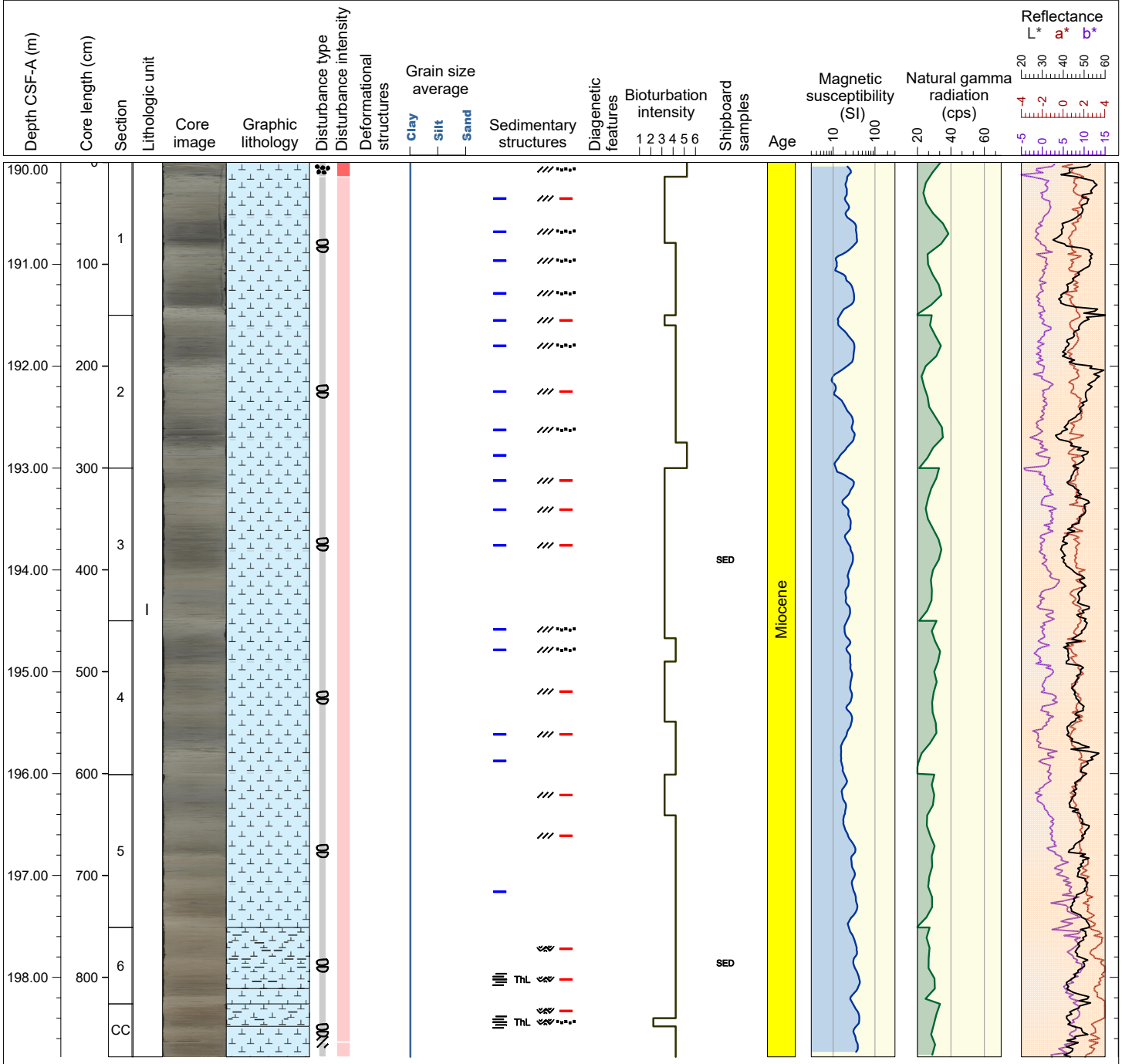
Hole 397-U1586B Core 22X, Interval 180.3-189.87 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE intercalating with NANNOFOSSIL OOZE WITH CLAY. The contacts between lithologies are mostly irregular and gradational. There is a sharp erosional boundary in Section 6 at 70 cm. The sediments are mostly mediumly bedded and in areas with more clay thinly bedded. Color banding is found throughout the core. Pyritized burrows are present in Section 3 at 9 cm, Section 5 at 75-82 cm and 126-129 cm. Bioturbation is moderate to heavy with trace fossils such as chondrites, planolites, and zoophycus being commonly observed. The core presents slight biscuiting throughout.



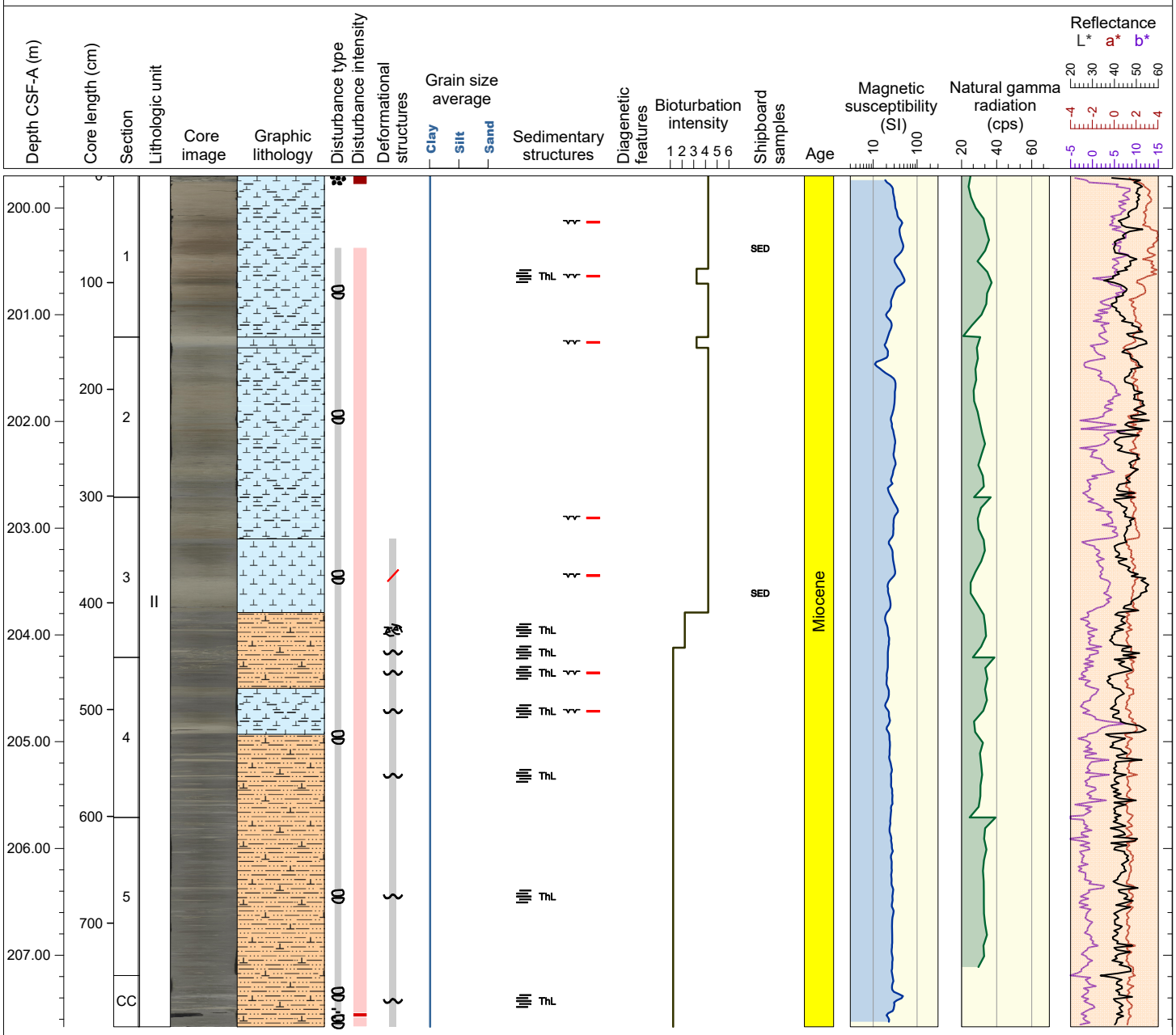
Hole 397-U1586B Core 23X, Interval 190.0-198.78 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE WITH CLAY intercalating with NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL OOZE in sections 1-5 and sections 6 to base, respectively. The boundaries between lithologies are either bioturbated or by color and are irregular and gradational but become more straight-irregular and sharp-gradational starting with Section 6. The sediments are mediumly to thickly bedded with color-banding and dark patches. Two intervals with thin laminations are present in Section 6 at 42-60 cm and in the core catcher at 14-22 cm. Pyritized burrows are found in Section 1 at 92-93 cm and 100-106 cm. Bioturbation is sparse to heavy with trace fossils such as chondrites, planolites, and zoophycus being commonly observed. The first 14 cm of the core are moderately disturbed by a fall-in while the rest of the core is slightly disturbed by biscuiting.



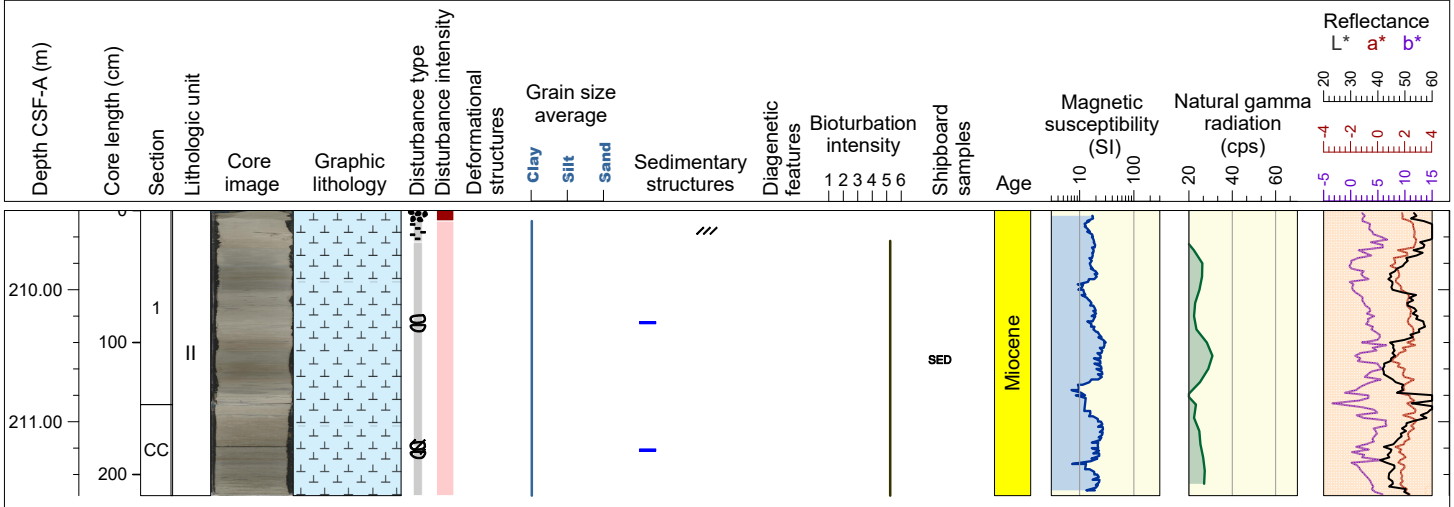
Hole 397-U1586B Core 24X, Interval 199.7-207.67 m (CSF-A)

The core is dominated by CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL CLAY. The sediments in Section 1 to Section 3 at 108 cm are mediumly bedded with slight to moderate bioturbation. The contacts are color boundaries and are sharp. Section 1, 87-101 cm, is thinly laminated and slightly convoluted. Section 2 at 0-10 cm is also slightly convoluted and minor syn-sedimentary faults are present in Section 3 from 39 to 108 cm. In Section 3 at 108-141 cm a slump breccia is found with thin laminations which are contorted. In the rest of the core, the sediment is thinly laminated with contorted bedding and no bioturbation is present. The first 8 cm of the core are severely disturbed by a fall-in while the rest of the core is slightly disturbed by biscuiting. In the core catcher at 35-39 cm, the sediment is strongly disturbed and in a slurry condition with a partial void.



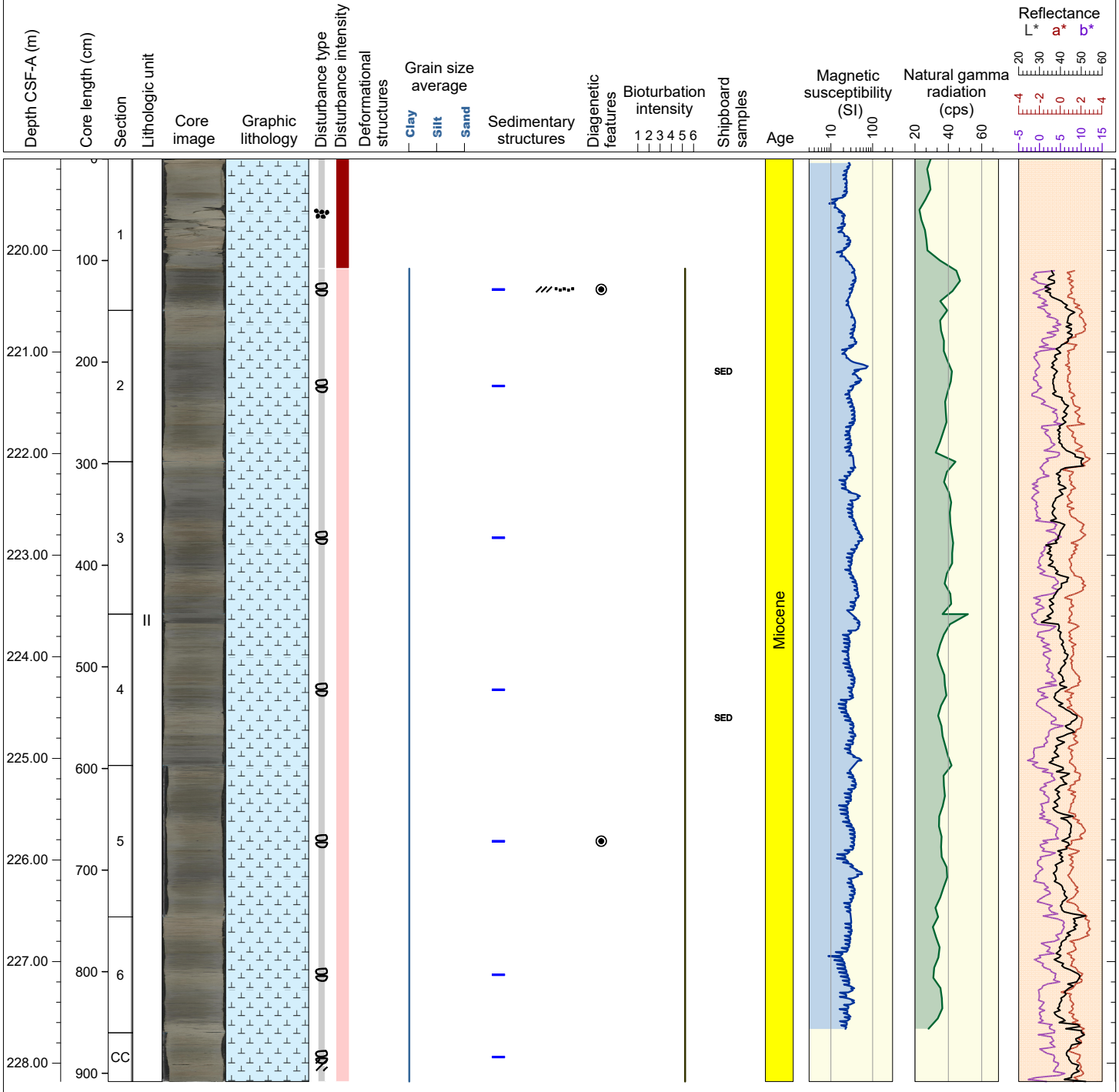
Hole 397-U1586B Core 25X, Interval 209.4-211.56 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL with CLAY. The core is mediumly bedded, with light and dark beds observed throughout the core. The contacts between lithologies are straight-irregular and gradational. Color banding is present and few dark patches occurs disseminated throughout the core. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core presents mostly slight biscuiting drilling disturbance and fall in and slurry drilling disturbance at the top of Section 1.



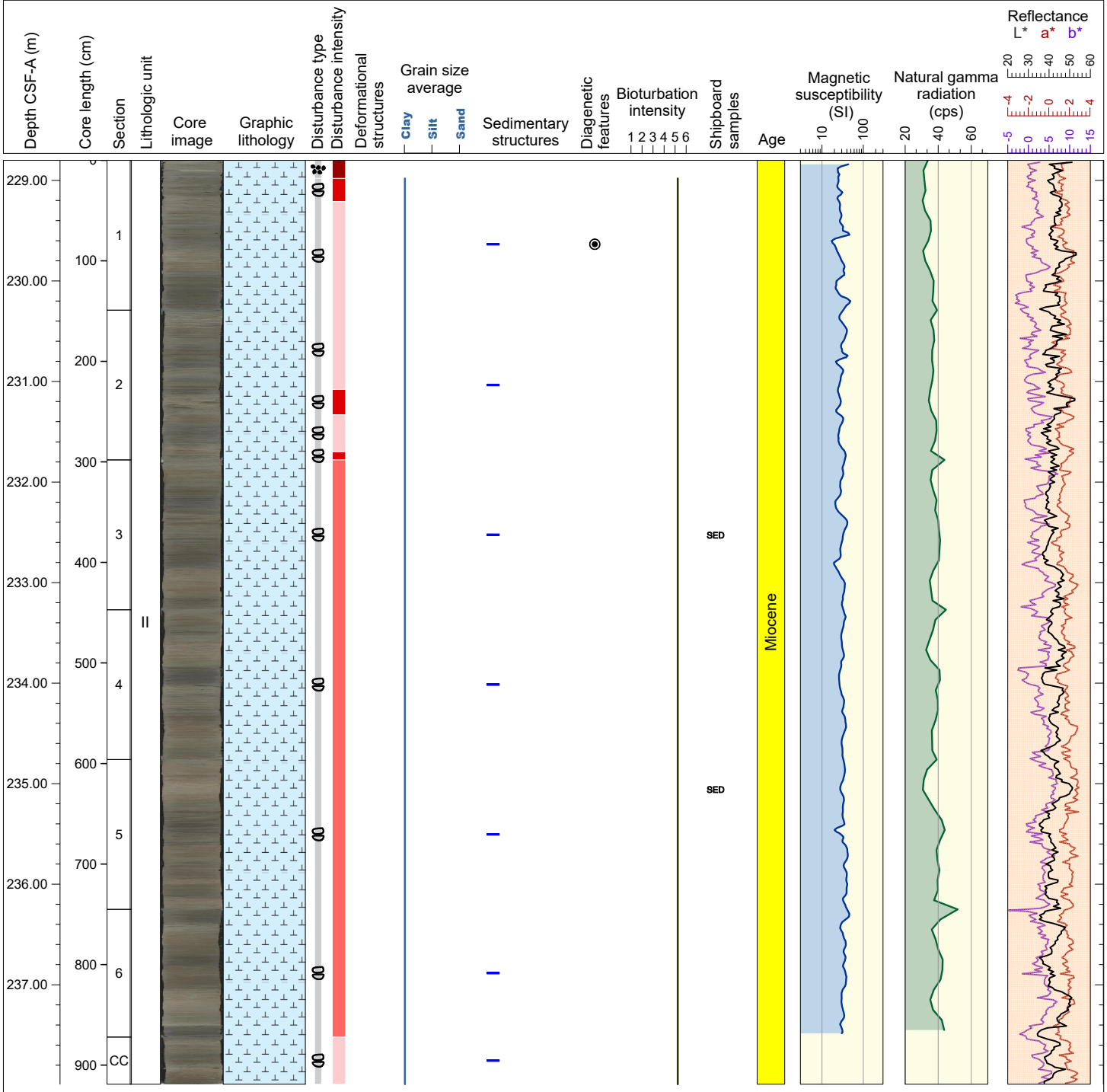
Hole 397-U1586B Core 26X, Interval 219.1-228.18 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL with CLAY. The core is thickly bedded, with light and dark beds are observed throughout the core. The contacts between lithologies are bioturbated and gradational. Color banding is present and few dark patches occurs disseminated throughout the core. Pyrite nodules are observed in Sections 1 at 121 cm and in Section 5 at 83 cm. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core presents mostly slight biscuiting drilling disturbance and fall in drilling disturbance at the top of Section 1.



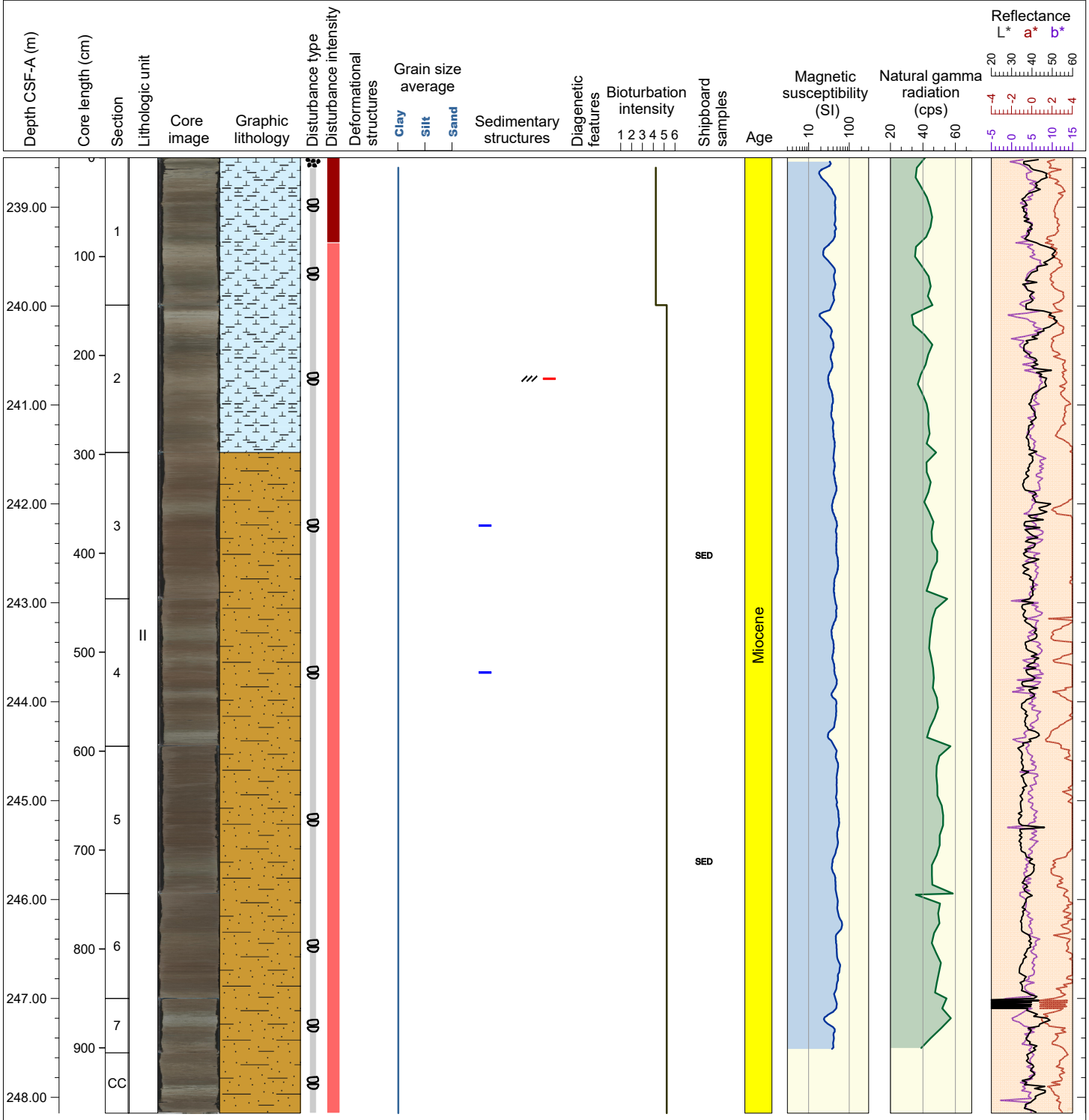
Hole 397-U1586B Core 27X, Interval 228.8-237.99 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL with CLAY. The core is mediumly bedded, with light and dark beds observed throughout the core. The contacts between lithologies are color boundary and gradational. Color banding is present and few dark patches occurs disseminated in Sections 5 and 6. Nodules are observed in Section 1 at 32 cm and 72 cm, and a dark layer with pyrite minerals is present in Section 6 at 117 cm. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core presents mostly slight to strong biscuiting drilling disturbance, and fall in drilling disturbance at the top of Section 1.



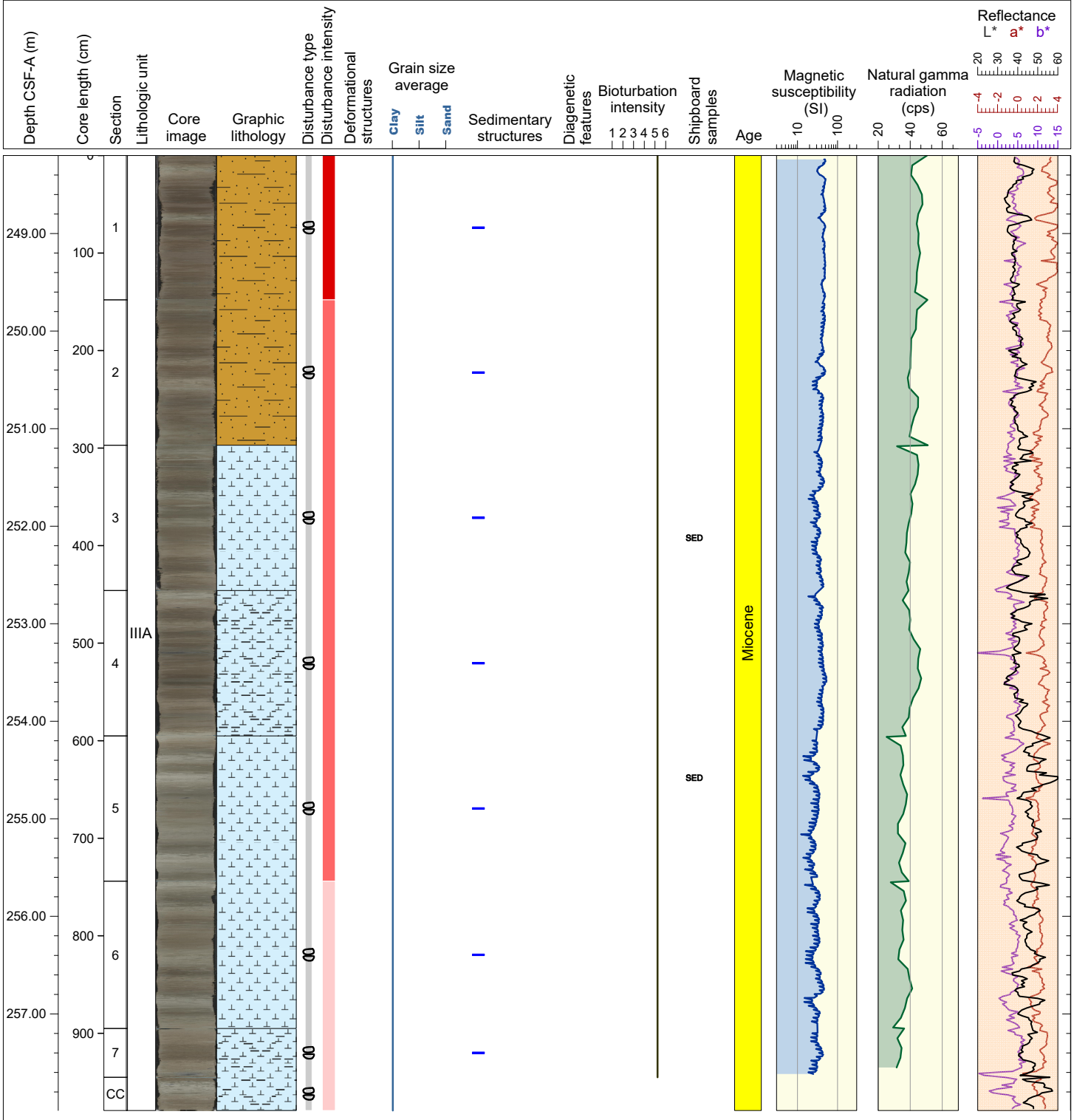
Hole 397-U1586B Core 28X, Interval 238.5-248.16 m (CSF-A)

The core is dominated by SILTY CLAY with NANNOFOSSIL and CLAYEY NANNOFOSSIL OOZE. The silty clay with nannofossil presents a reddish-brown color. The core is mediumly to thickly bedded and the contacts between lithologies are color boundary and gradational. Color banding is present in Sections 3 and 4 and few dark patches occurs disseminated in Sections 1, 2 and 4. Bioturbation is moderate to heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core presents mostly slight to strong biscuiting drilling disturbance, and fall in drilling disturbance at the top of Section 1.



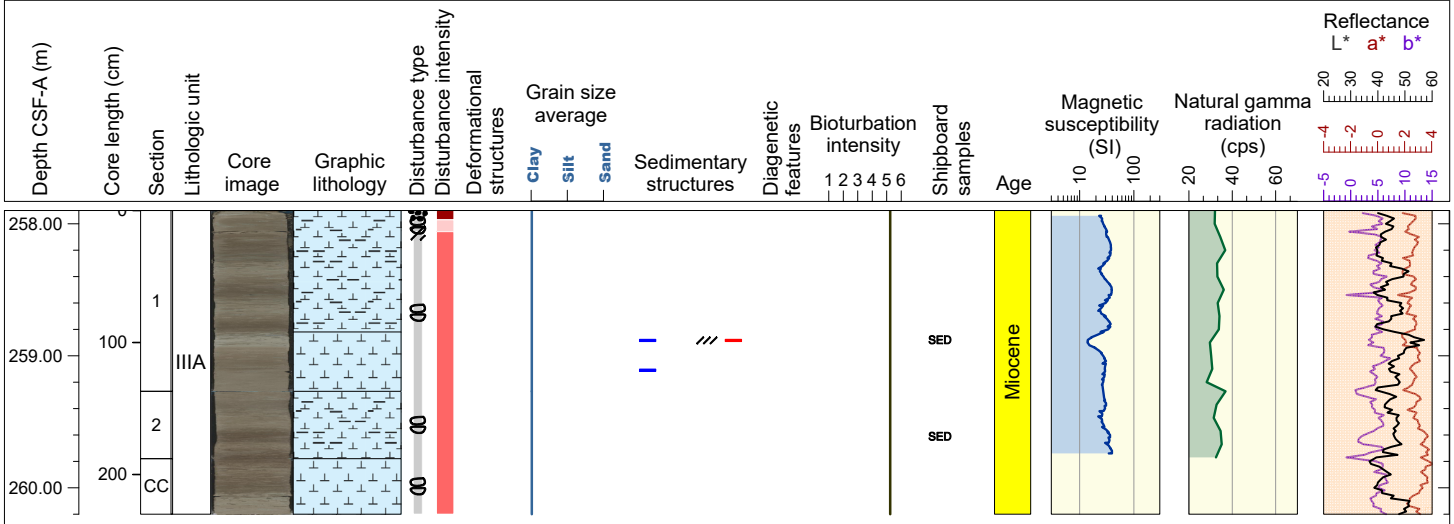
Hole 397-U1586B Core 29X, Interval 248.2-257.99 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE with varying amounts of clay and by SILTY CLAY with NANNOFOSSIL. The silty clay with nannofossil presents a reddish-brown color and an alternation of light and dark beds are observed throughout the core. The core is mediumly bedded and the contacts between lithologies are color boundary and gradational. Color banding is present in Sections 3 and 4 and bioturbation is heavy. Trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core presents slight to strong biscuiting drilling disturbance.



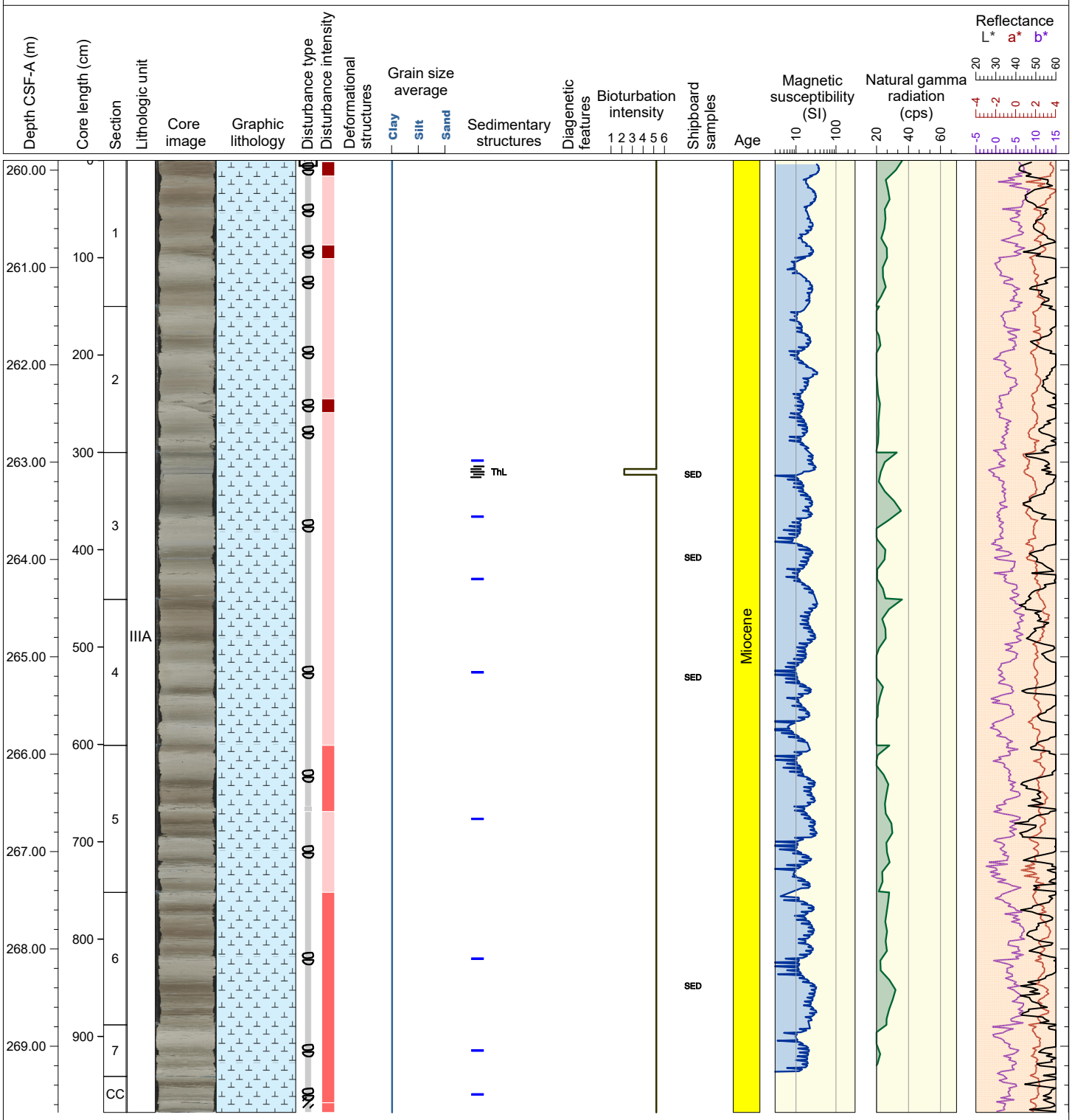
Hole 397-U1586B Core 30X, Interval 257.9-260.2 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. The core is mediumly bedded and presents alternating light and dark beds. The contacts between lithologies are color boundary and gradational. Color banding is present in Section 1. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core presents mostly slight to moderate biscuiting drilling disturbance and fall in drilling disturbance is observed in Section 1. Â¿



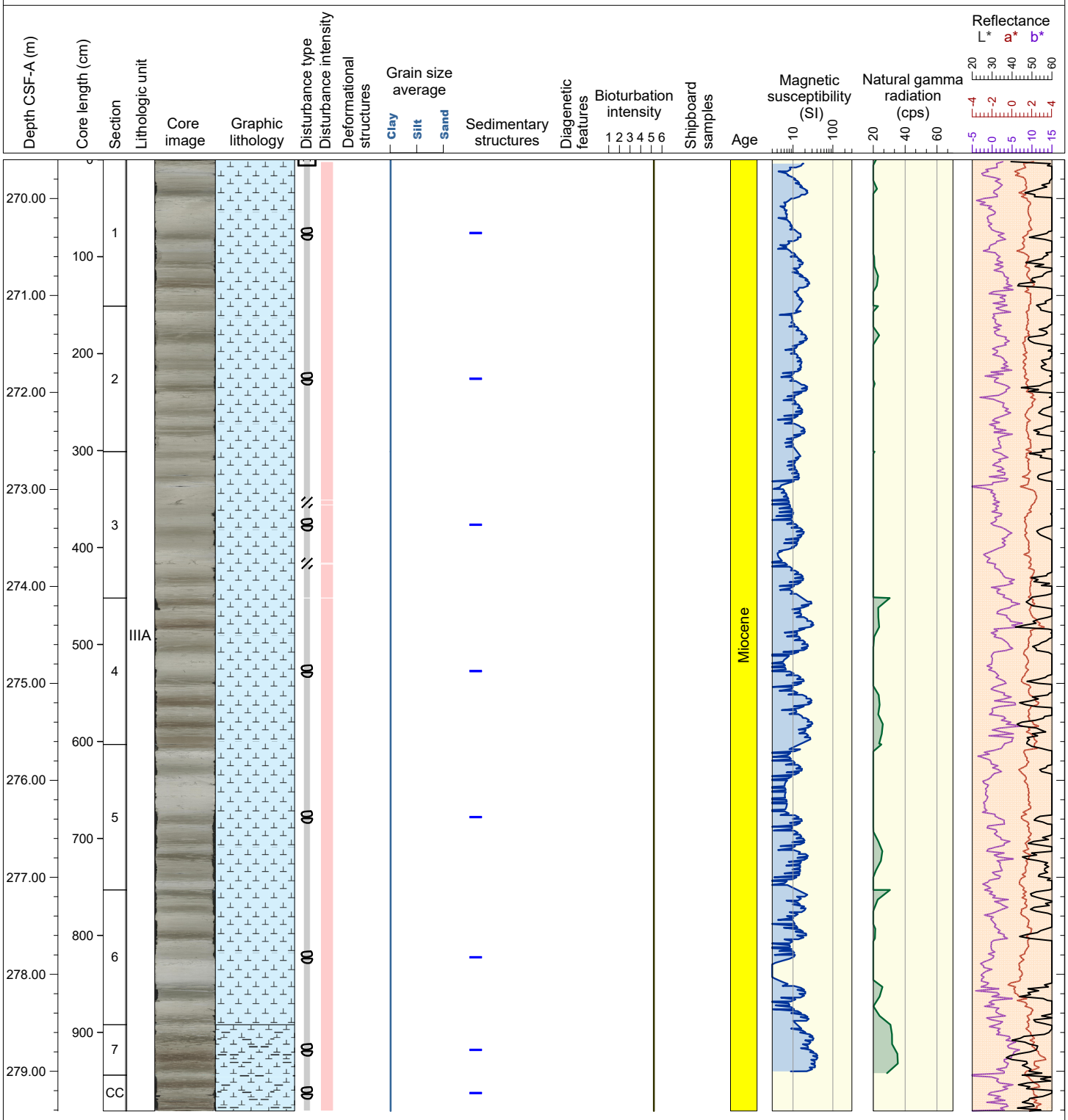
Hole 397-U1586B Core 31X, Interval 259.9-269.68 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE intercalating with NANNOFOSSIL OOZE WITH CLAY. Most of the core is mediumly bedded and few dark patches are found in sections 1 and 2. Section 3 to the base of the core is color-banded. Most of the contacts are bioturbated and gradational. Bioturbation is heavy and trace fossils such as chondrites, planolites, and zoophycus are commonly observed. Section 3 at 17-23 cm is thinly laminated and consists of NANNOFOSSIL OOZE WITH FORAMINIFERS. This interval shows only sparse bioturbation. Section 3 at 108-109 cm presents a layer with many coccospheres. The core presents slight to severe biscuiting drilling disturbance throughout and Section 5 at 63 to 68 cm is fractured.



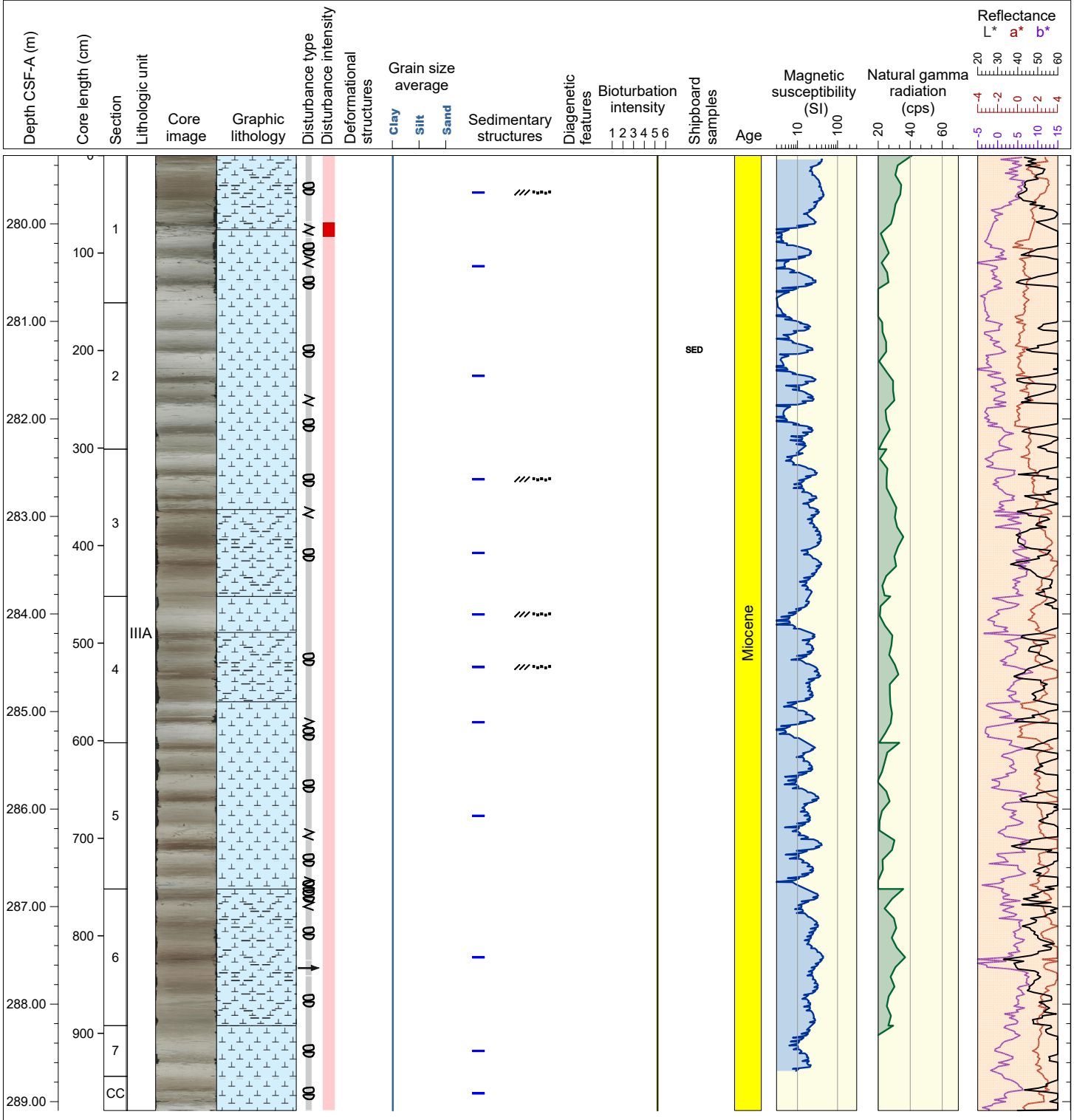
Hole 397-U1586B Core 32X, Interval 269.6-279.41 m (CSF-A)

Sections 1 to 6 are dominated by NANNOFOSSIL OOZE with 5-10 cm thick more clay rich intervals while Section 7 and the CC are dominated by CLAYEY NANNOFOSSIL OOZE. Throughout the core, the bands are mediumly bedded and color banding is found. The contacts are bioturbated and gradational. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed, with very large burrows in Section 6 at 100 cm and 104 cm. The core presents slight biscuiting drilling disturbance throughout and some cracks are found in Section 3.



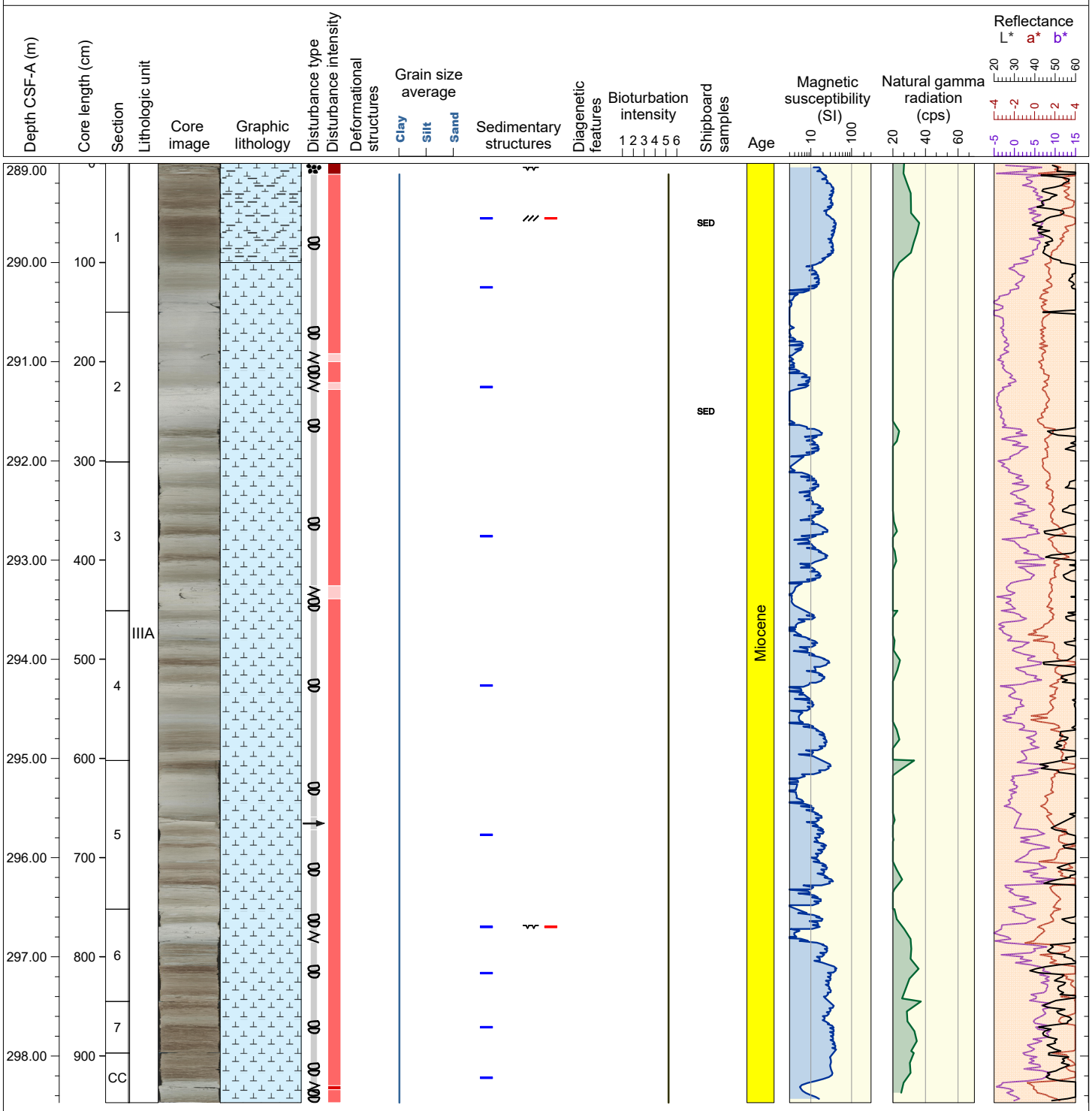
Hole 397-U1586B Core 33X, Interval 279.3-289.09 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. The contacts between lithologies are bioturbated, irregular in shape and gradational. There is color banding throughout the core and the sediment is thinly bedded. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core presents slight biscuiting drilling disturbance throughout. Several intervals are slightly fragmented. Section 6 at 73-89 cm is affected by core extension. Â¿



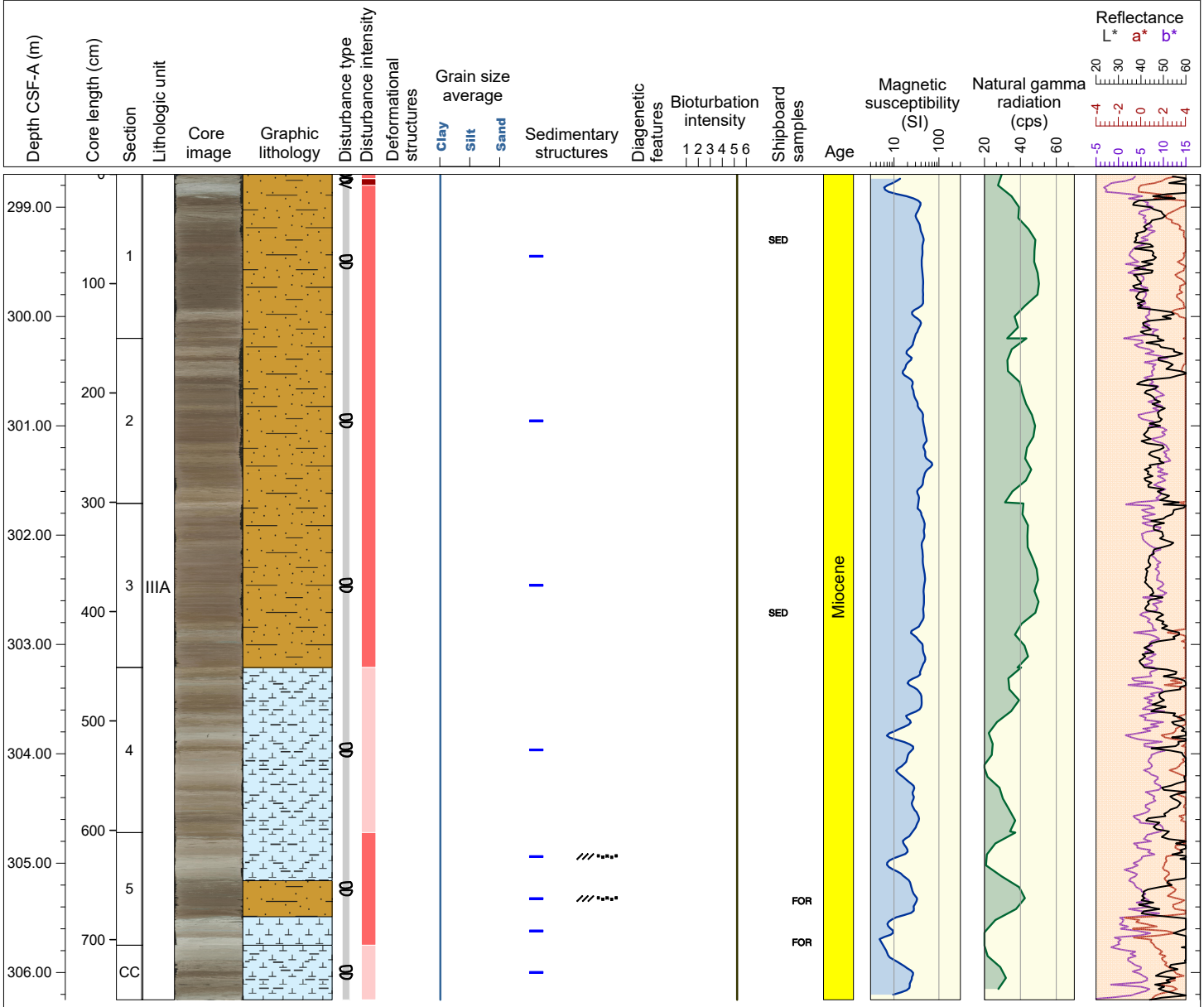
Hole 397-U1586B Core 34X, Interval 289.0-298.47 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. The sediment is thinly bedded and color banding is present throughout. A straight, sharp color boundary is found in Section 6 at 36 cm. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core presents a fall in in the top 11 cm and moderate biscuiting drilling disturbance throughout. Some intervals are slightly fragmented. A core extension is found in Section 5 at 57-70 cm.



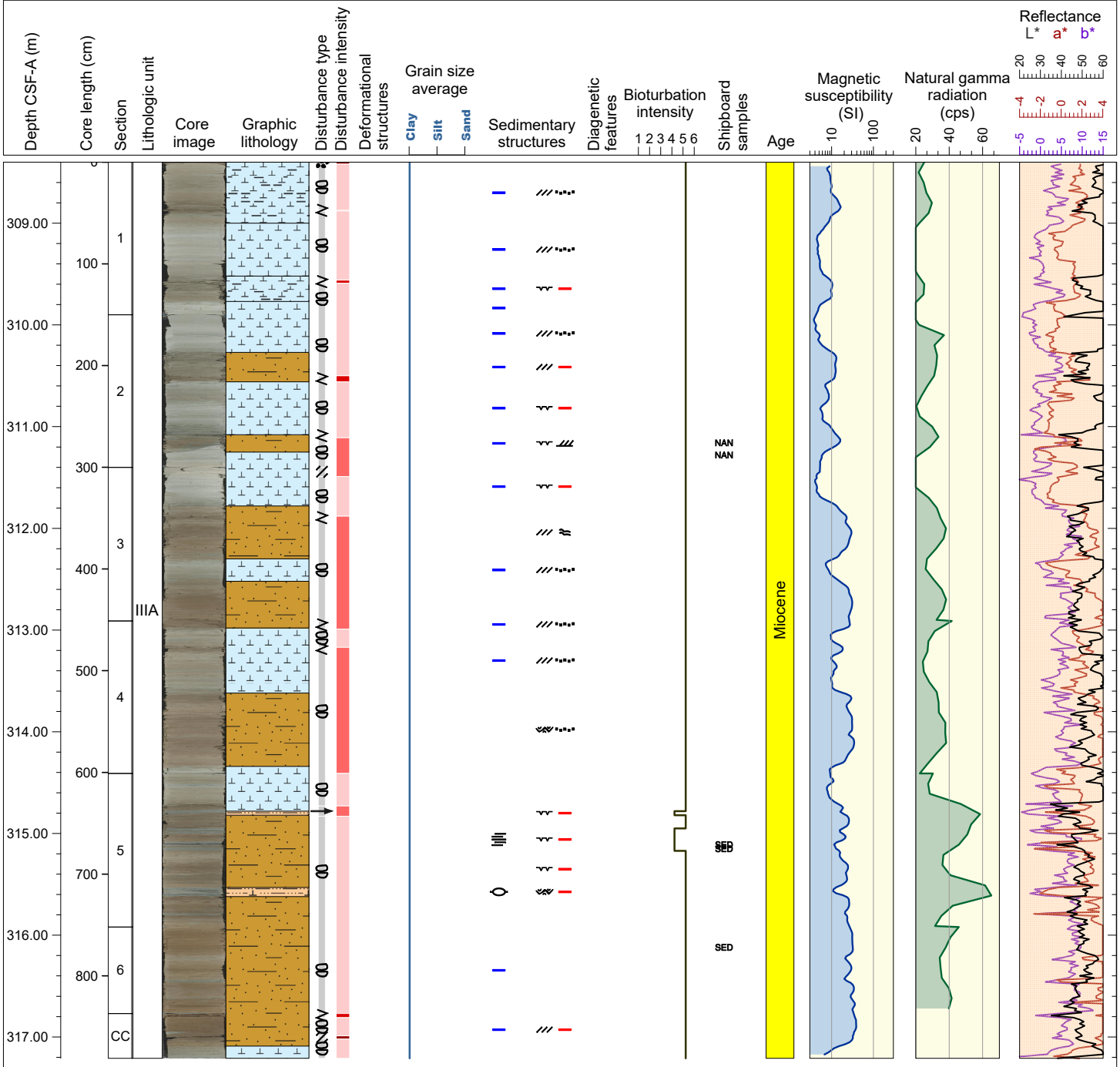
Hole 397-U1586B Core 35X, Interval 298.7-306.25 m (CSF-A)

This core is dominated by CLAY and NANNOFOSSIL OOZE, with varying amounts of silt. The contacts between lithologies are bioturbated, irregular in shape and gradational. There is color banding throughout the core and the sediment is thin to mediumly bedded. Bioturbation is heavy and trace fossils such as chondrites, planolites, and zoophycos are commonly observed. The core presents slight to moderate biscuiting drilling disturbance throughout and is fragmented in section 1 between 4 and 10 cm.



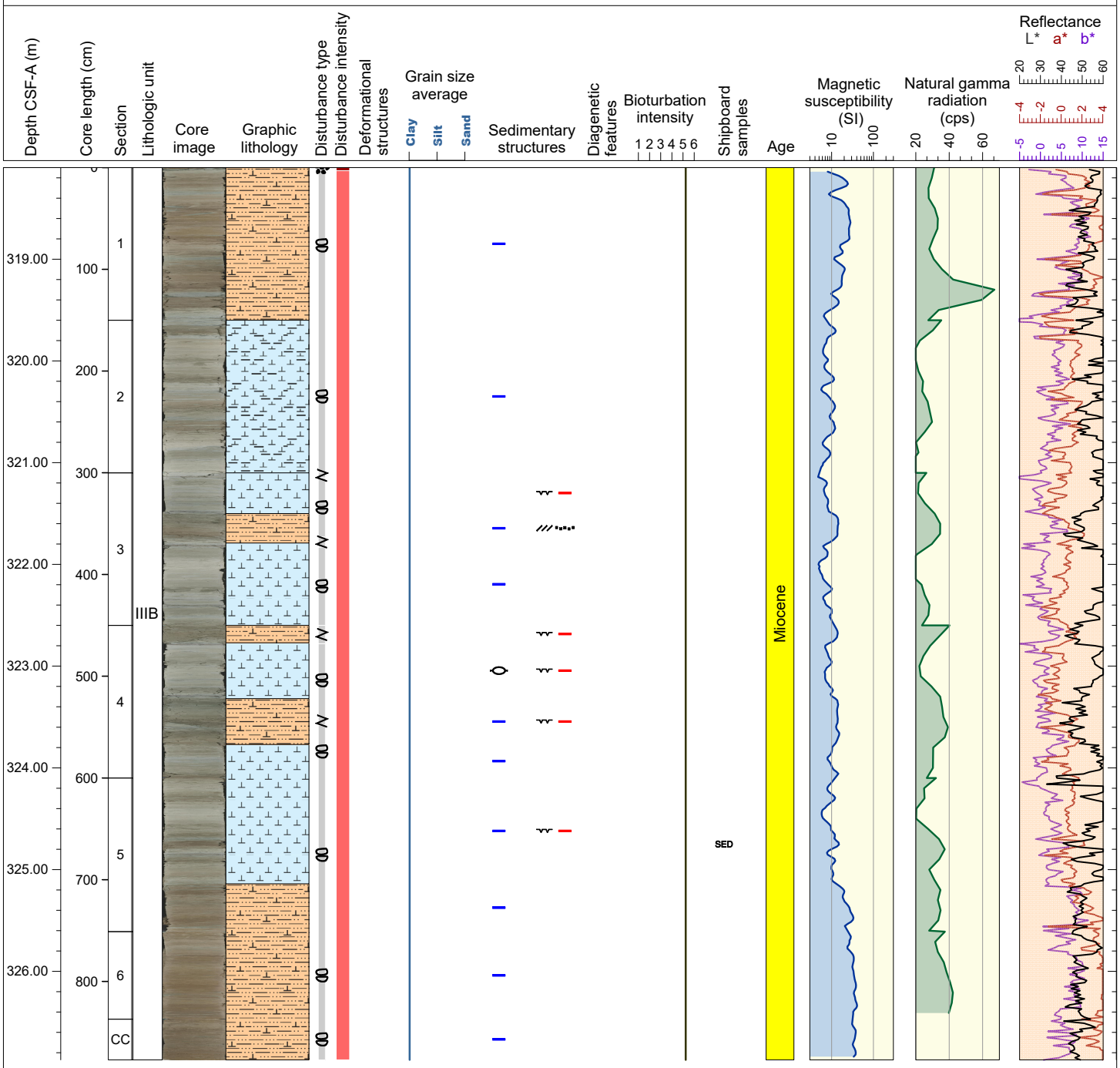
Hole 397-U1586B Core 36X, Interval 308.4-317.21 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with various amounts of clay and SILTY CLAY WITH NANNOFOSSILS or WITH SAND. There is an erosional surface cutting down from 129 to 135 cm in Section 2. Above that, the sediment is mediumly bedded and color banding is observed. In Section 5 at 54-76 cm very thinly laminated 1-3 cm thick intervals of blue clay/silt with fine to medium sand is found. Directly above another erosional surface in Section 5 at 114-118 cm, a blue/green interval is present. Other blue/green intervals are found in the rest of the core with various amounts of sand. Bioturbation is moderate to heavy and trace fossils such as chondrites, planolites, and zoophycos are commonly observed. In the first 2 cm of the core a fall-in is found. The core presents slight to moderate biscuiting drilling disturbance throughout and is slightly to strongly fragmented in several intervals. A core extension is found in Section 5 at 32-42 cm and a crack severely disturbs the sediment in the core catcher at 22-25 cm.



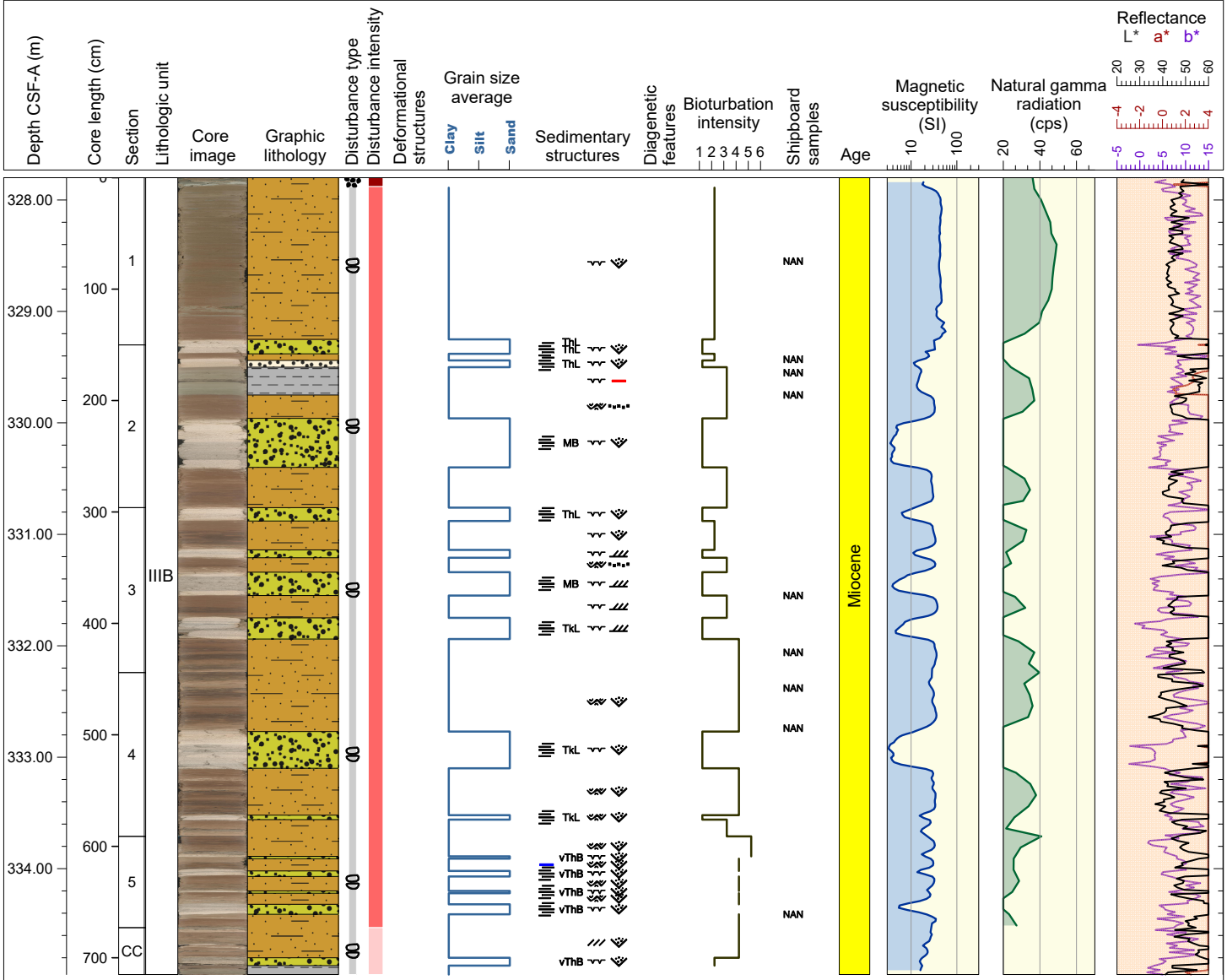
Hole 397-U1586B Core 37X, Interval 318.1-326.87 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with various amounts of clay and NANNOFOSSIL CLAY with SILT. The silty clay presents mostly a reddish brown color and the nannofossil clay with silt a bluish/greenish white color. The contacts between lithologies are mostly color boundary, irregular and sharp, with an erosive surface present in Section 4 at 95 cm. Lens of laminated sand are observed in most of the sections, presenting a sharp base in Section 3 at 71 to 73 cm, 124 to 125 cm and 129 to 130 cm. Bioturbation is heavy and trace fossils such as chondrites, planolites, and zoophycos are commonly observed throughout the core. In the first 3 cm of the core a severe fall-in drilling disturbance is observed. The core presents slight to moderate biscuiting drilling disturbance throughout and is moderately fragmented in several intervals.



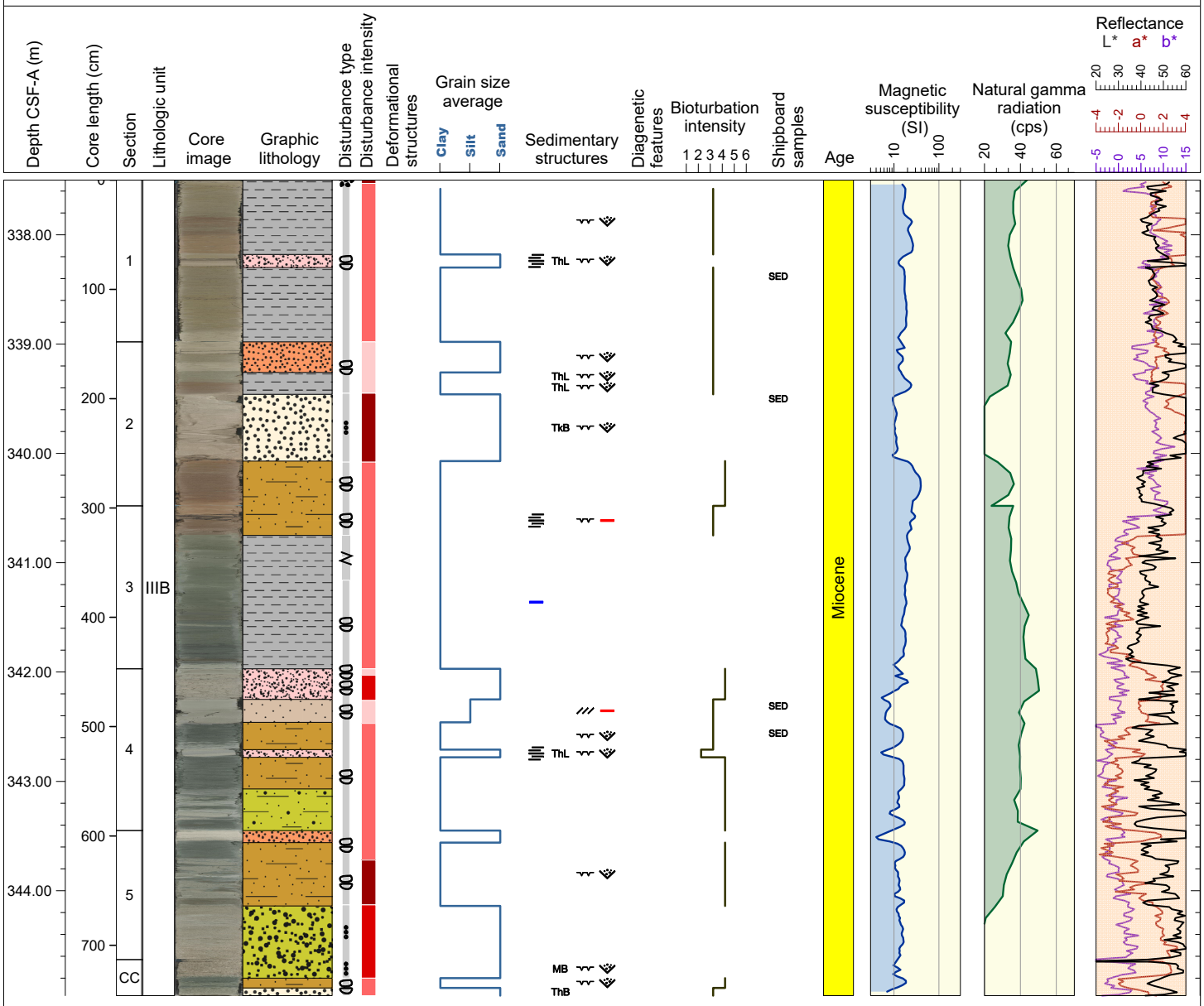
Hole 397-U1586B Core 38X, Interval 327.8-334.95 m (CSF-A)

This core is dominated by SILTY CLAY and coarse SAND with varying amounts of medium sand. The silty clay presents mostly a reddish brown to greenish color. A distinguished pinky sand is observed in Section 2 at 14 cm. The contacts between lithologies are mostly grain size contact, straight to irregular and sharp to gradational, with a sharp erosive contact in Section 3 at 58 cm. Sandy intervals are thinly laminated and fining up-ward sequences are observed in Section 1 at 145 cm, Section 2 at 8 cm and 66 cm. Black and white thin laminations are observed in Sections 3 at 58 cm, 99 cm, in Section 4 at 53 cm and in CC. Bioturbation is sparse to heavy and trace fossils such as planolites and chondrites are observed in most of the sections. A clast (> 2mm) is observed in Section 1 at 116 cm. In the first 9 cm of the core a fall-in is observed. The core presents slight to moderate biscuiting drilling disturbance.



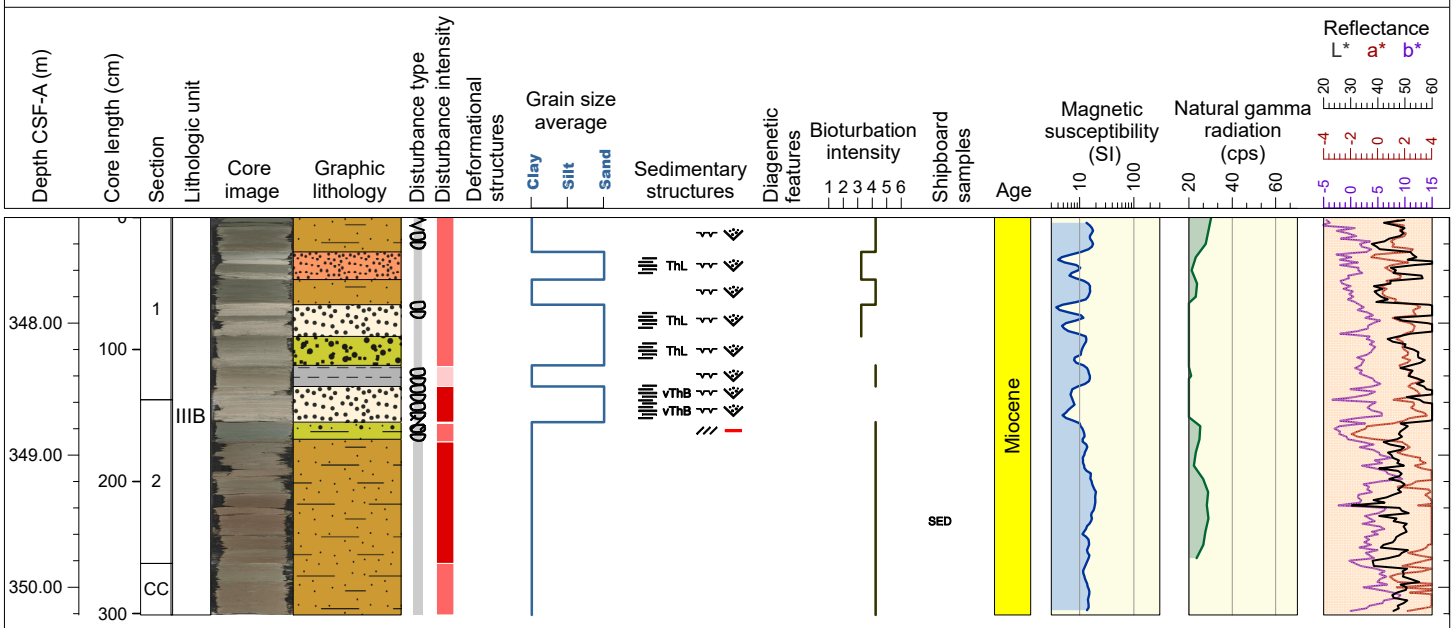
Hole 397-U1586B Core 39X, Interval 337.5-344.96 m (CSF-A)

This core is dominated by SILTY CLAY and SAND that varies from very fine to coarse sand. CARBONATE SILT with CLAY is observed in Section 4 at 28 cm. The silty clay presents distinct variations between reddish brown to greenish colored clay interbedded with white sand. The contacts between lithologies are mostly grain size contact, straight and sharp. Sandy intervals are laminated and a fining up-ward sequence is observed in the top of CC to section 5. Dark laminations are observed in Section 1 at 68 cm and in Section 3 at 8 to 13 cm and dark patches are observed in Section 1 at 107 cm and Section 2 at 108 cm. Bioturbation is slight to moderate. In the first 3 cm of the core a fall-in is found. The core presents mostly slight to strong biscuiting drilling disturbance.



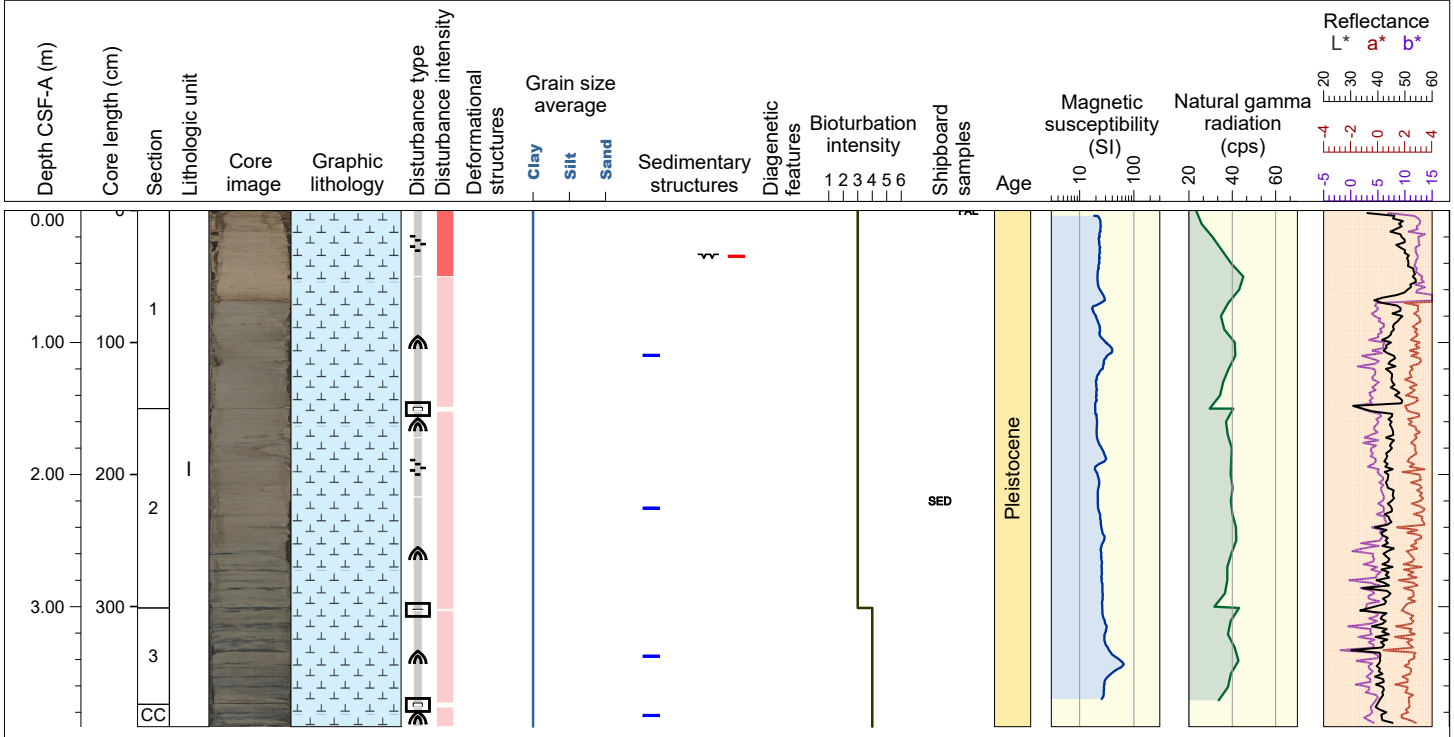
Hole 397-U1586B Core 40X, Interval 347.2-350.21 m (CSF-A)

This core is dominated by SILTY CLAY and SAND that varies from FINE to COARSE SAND. The silty clay presents distinct variations between reddish brown to greenish colored clay interbedded with white sand. The sand shows sharp erosional bases, normal grading, uni-directional ripples and climbing ripples. The contacts between lithologies are mostly grain size contact, straight and sharp and the sandy intervals are laminated. The bioturbation is slight to moderate. The core presents mostly slight to strong biscuiting drilling disturbance.



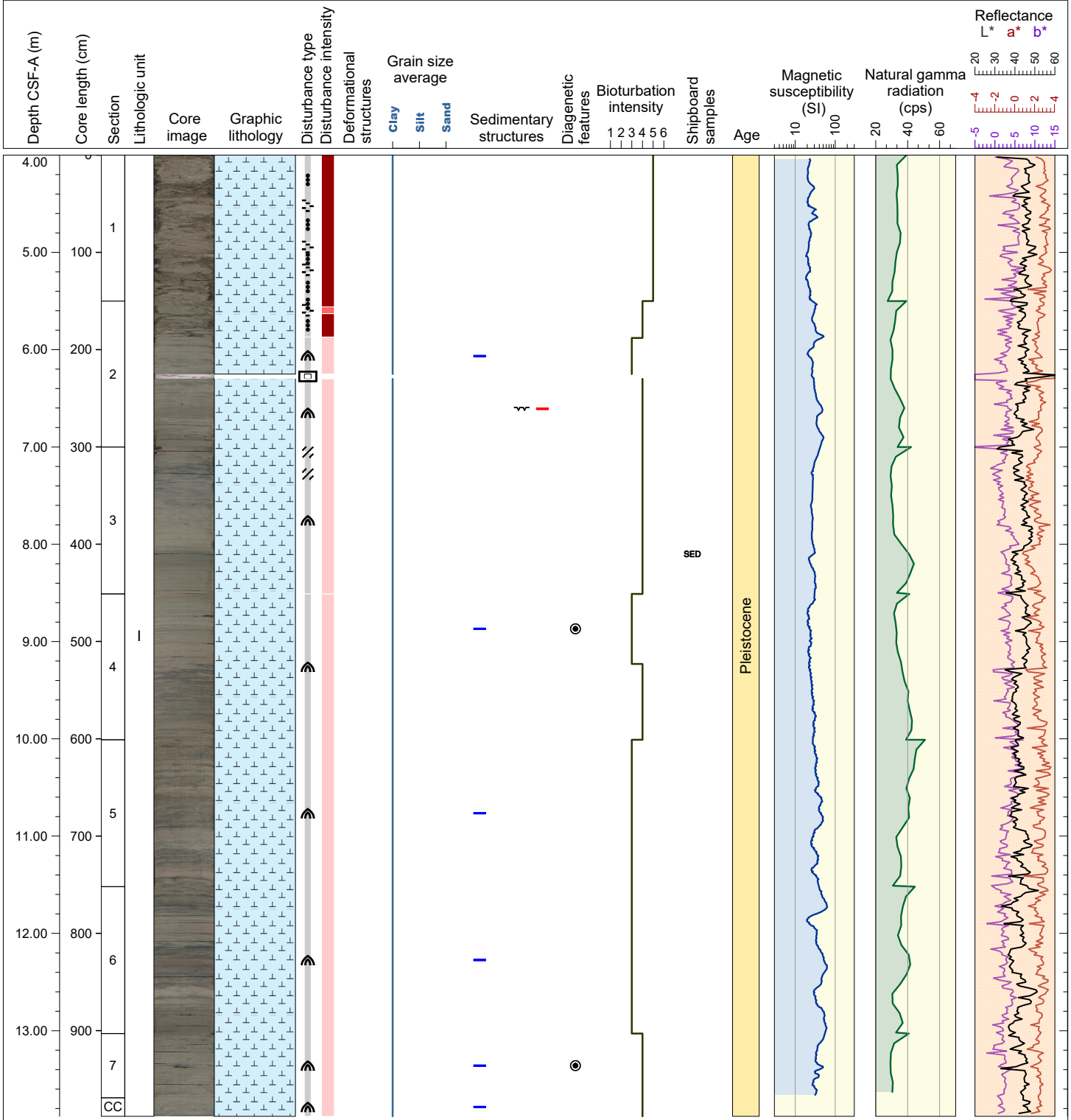
Hole 397-U1586C Core 1H, Interval 0.0-3.91 m (CSF-A)

This core consists of NANNOFOSSIL OOZE with clay. The contact between lithologies is color boundary, straight and sharp. Dark patches and layers throughout the core are observed. A manganese layer is present in Section 1 at 68 cm. Bioturbation is slight to moderate. Most of the core presents slight to moderate up-arching drilling disturbance.



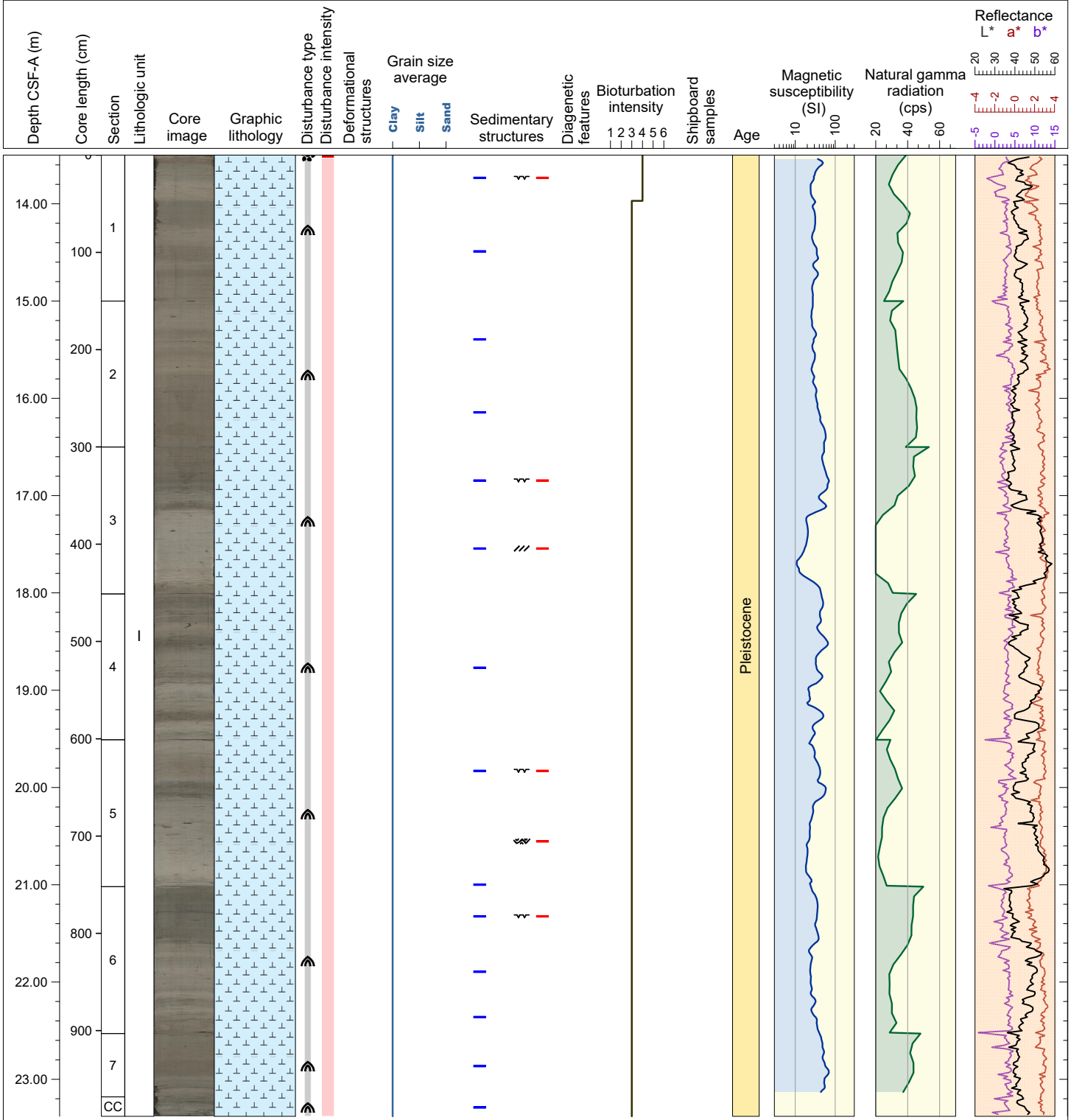
Hole 397-U1586C Core 2H, Interval 4.0-13.88 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NAANOFOSSIL OOZE WITH CLAY. The sediments show color banding with dark patches throughout. Nodules are found in Section 2 at 24cm and Section 7 at 35 cm. Bioturbation is slight to moderate. Section 1 and Section 2 up to 37 cm are severely disturbed by drilling and are in a slurry to soupy condition. The rest of the core presents slight up-arching and cracks are found throughout.



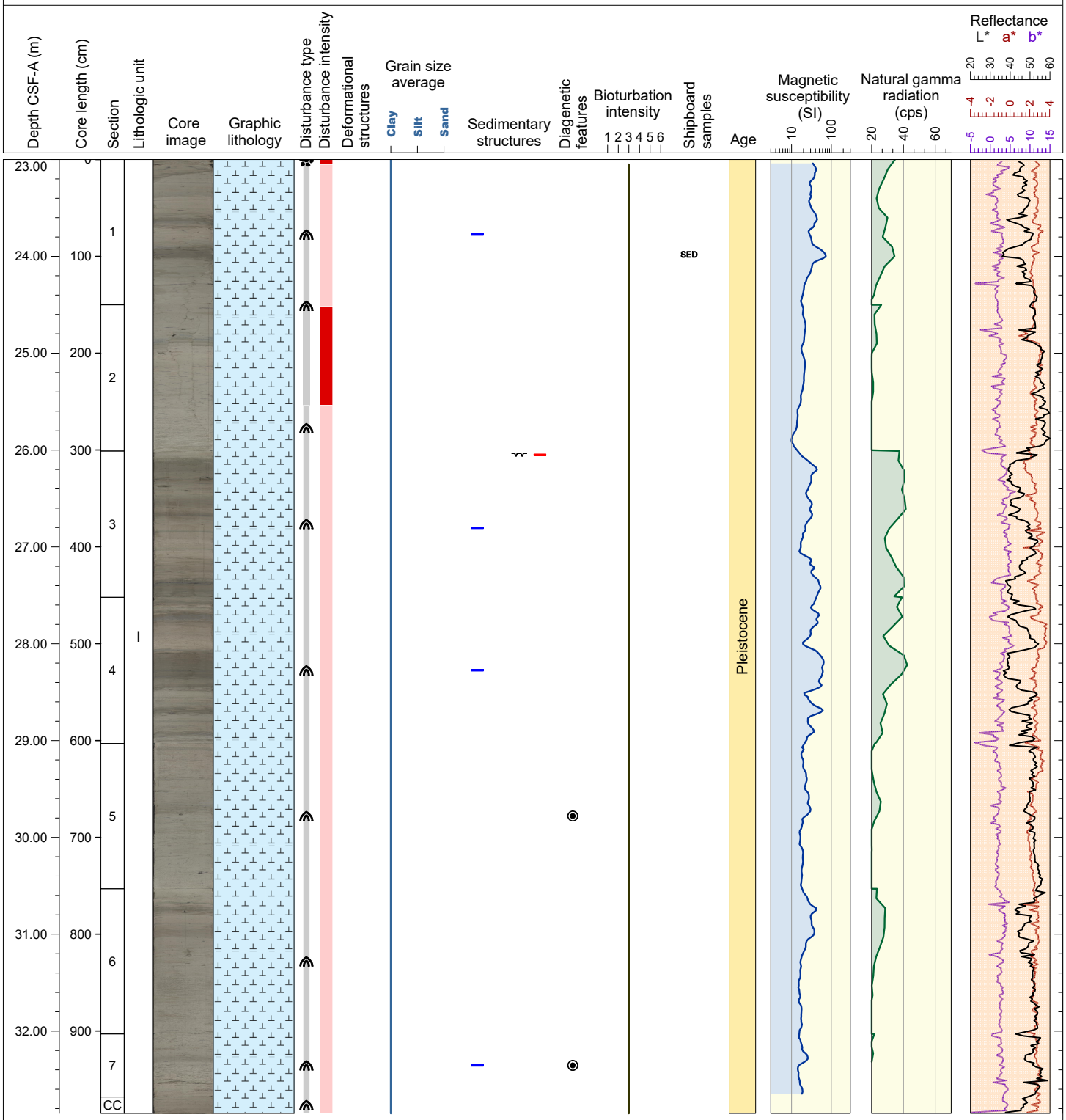
Hole 397-U1586C Core 3H, Interval 13.5-23.38 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY or WITH FORAMINIFERS. There is color banding throughout and dark patches are found. The contacts between lithologies are color boundaries and are straight and range from sharp to gradational. The first 47 cm of the core are moderately bioturbated while the rest of the core is slightly bioturbated. The first 3 cm of the core are strongly disturbed by a fall-in. The rest of the core presents slight up-arching.



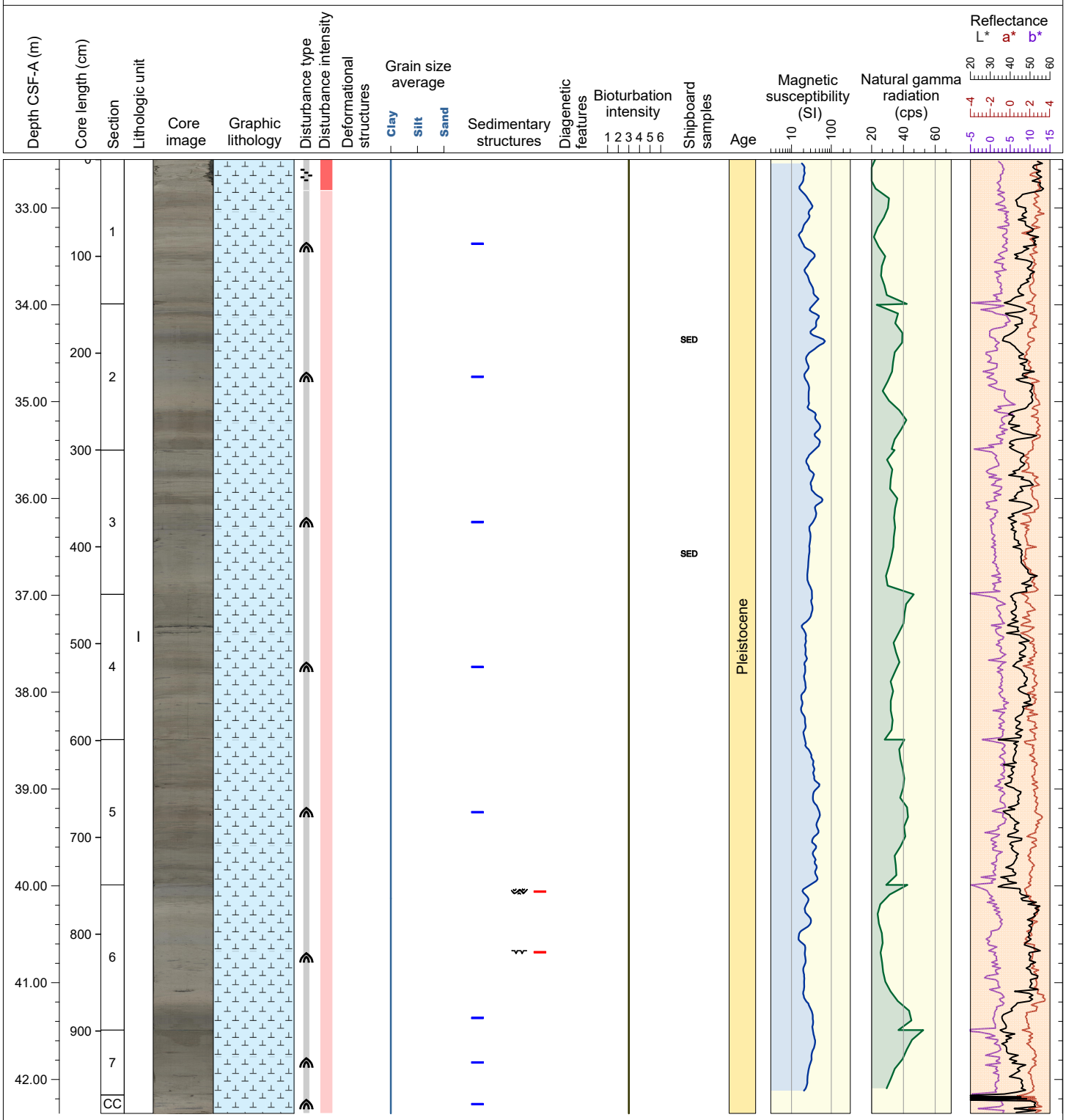
Hole 397-U1586C Core 4H, Interval 23.0-32.85 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY and NANNOFOSSIL OOZE WITH FORAMINIFERS. Parts of the core are color banded and dark patches are found. Nodules are present in Section 5 at 132 cm and Section 7 at 49 cm. The first 5 cm of the core are strongly disturbed by a fall-in. The rest of the core presents slight up-arching. In Section 2 at about 2-104 cm the core is strongly disturbed by a sediment flowage, where the sediment in the middle of the liner is displaced upwards with sharp vertical boundaries.



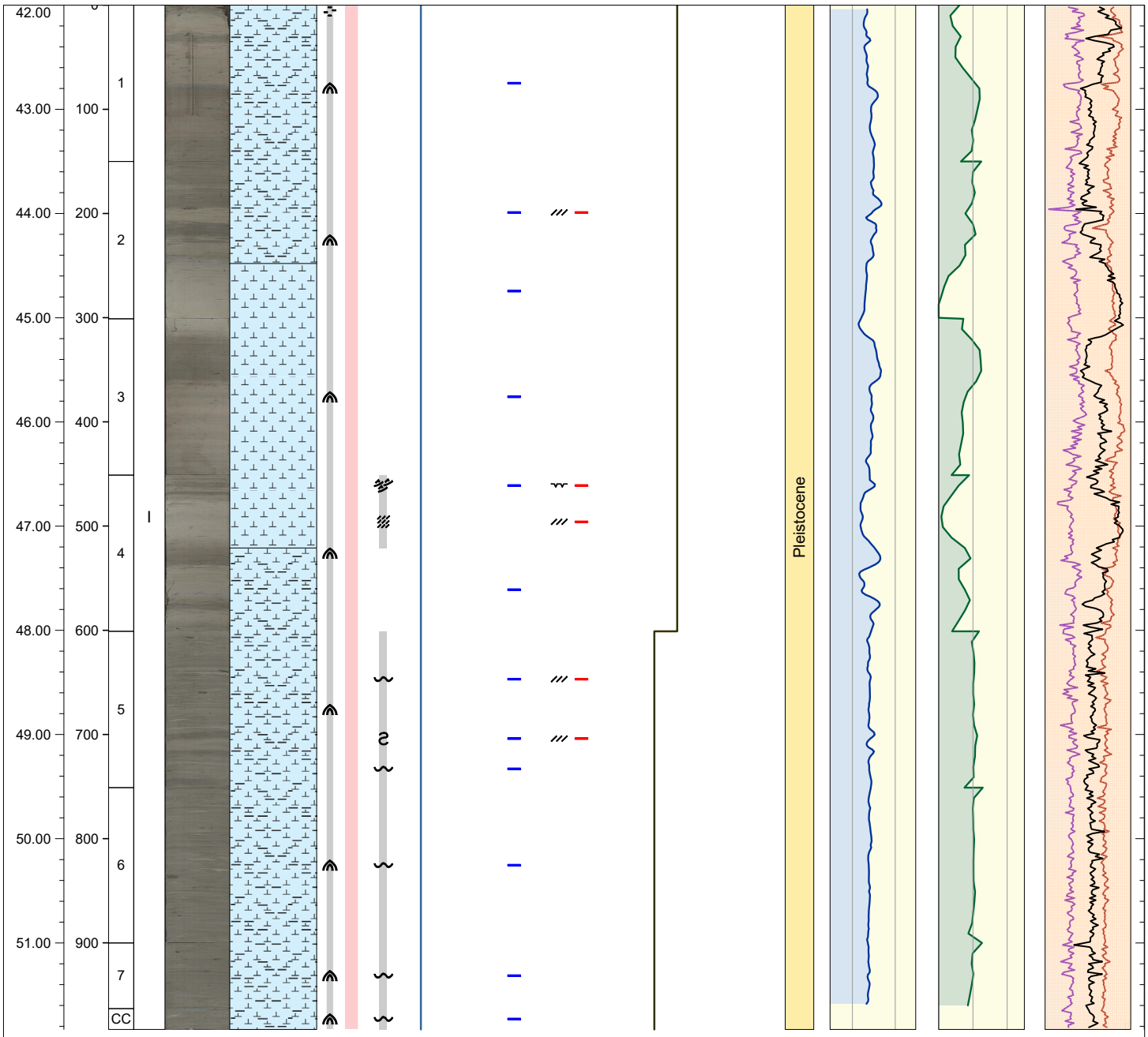
Hole 397-U1586C Core 5H, Interval 32.5-42.35 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY and NANNOFOSSIL OOZE WITH FORAMINIFERS. There is color banding present as well as sparse dark patches. Slight bioturbation is found throughout. The first 32 cm of the core are moderately disturbed and in a slurry condition. The rest of the core presents slight up-arching.



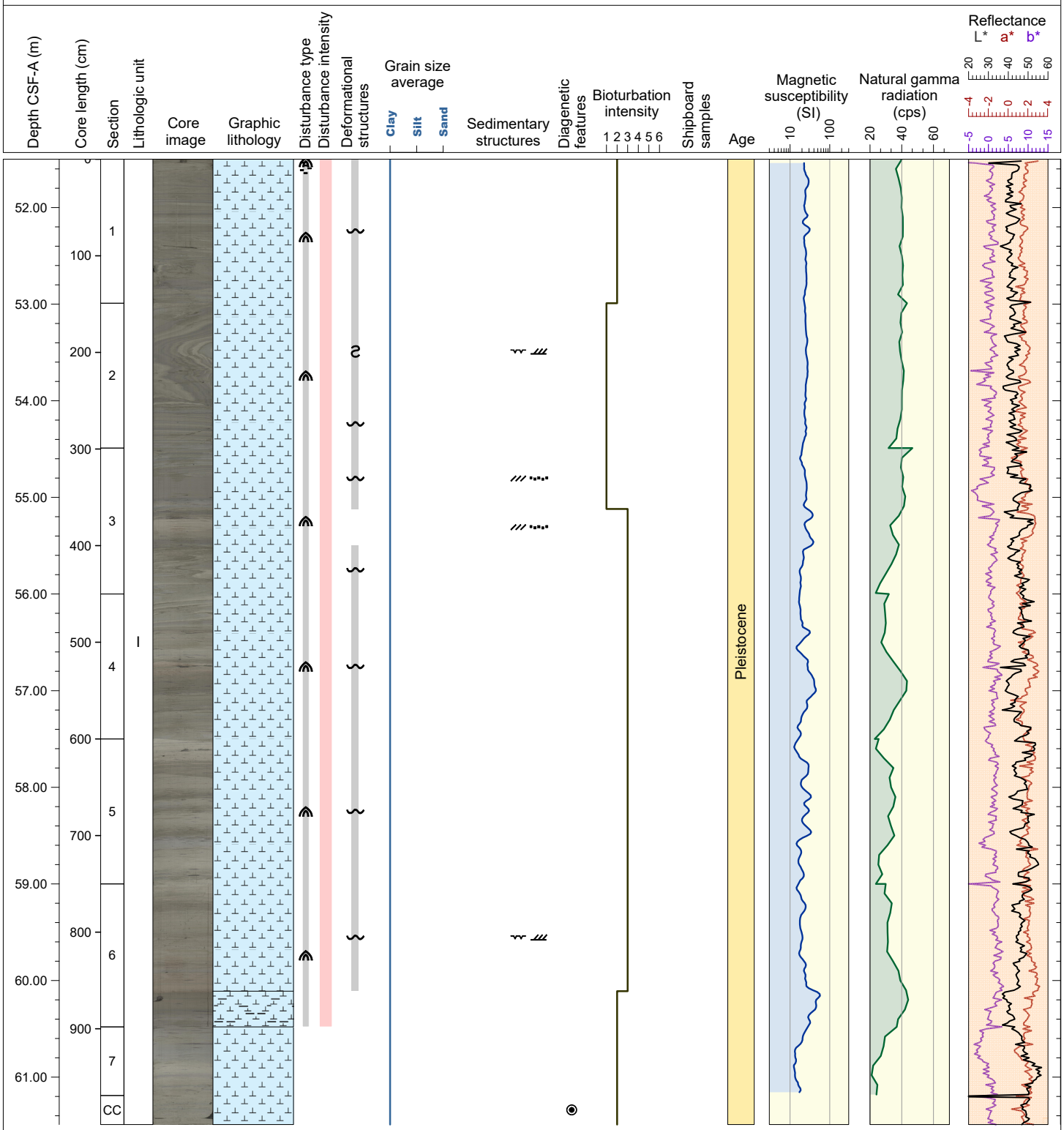
Hole 397-U1586C Core 6H, Interval 42.0-51.83 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. Boundaries between lithologies are defined by color, are irregular in shape, and are gradational to sharp. There are color bandings and dark patches present throughout. Bioturbation is slight to absent. Contorted bedding and slump folds are found beginning at section 6H 5 and continuing through 6H CC. The first 9 cm of the core are slightly disturbed and in a slurry condition. The rest of the core presents slight up-arching.



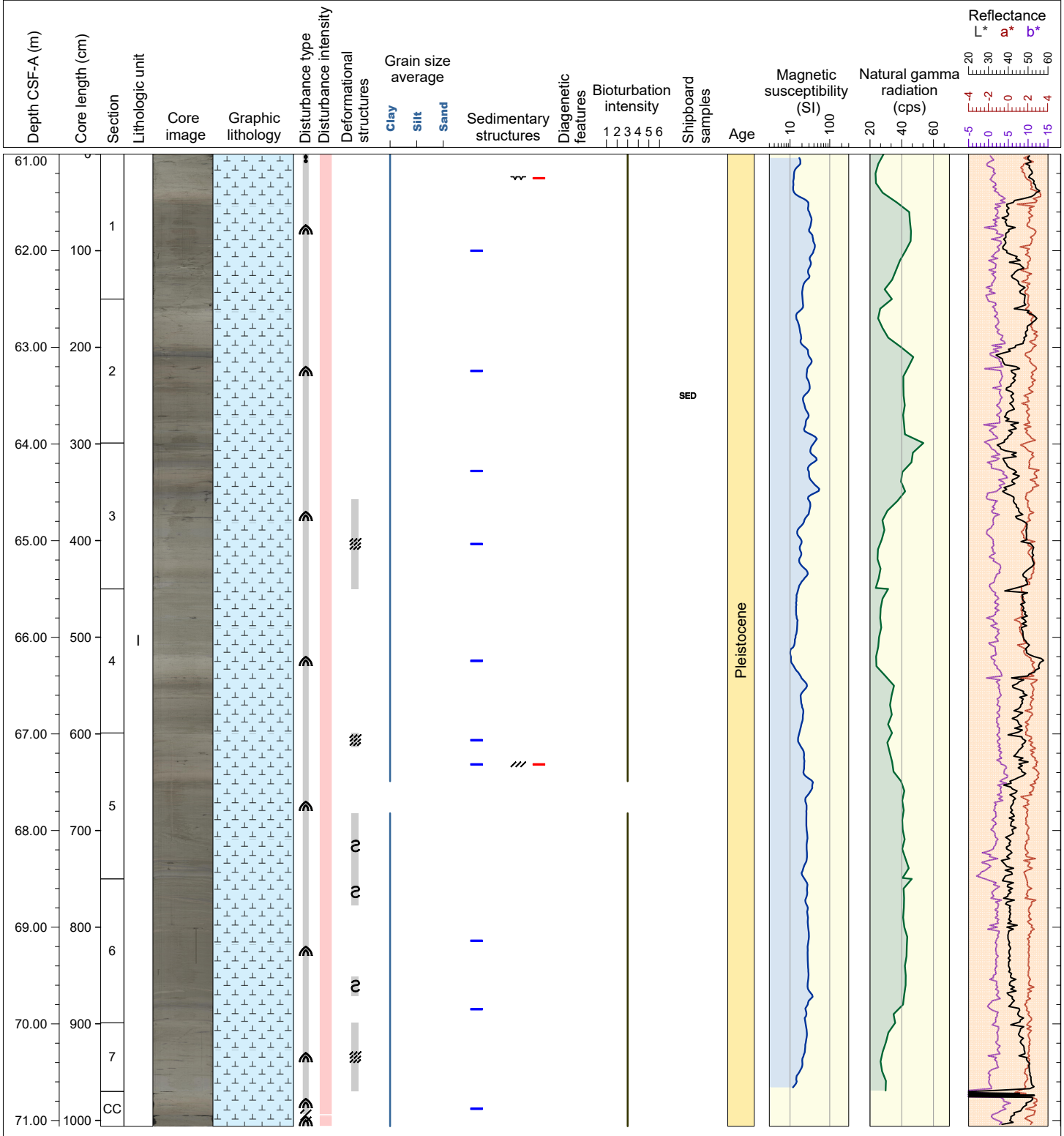
Hole 397-U1586C Core 7H, Interval 51.5-61.49 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY. Section 1 to 6 at 111 cm show contorted bedding with minor microfaults throughout. In between in Section 2 at 0-100 cm a slump fold is present which has a sharp erosional base. Another sharp erosional base is found at 111 cm in Section 6. Dark patches are found from Section 3 at 63 cm downcore and a nodule is present in the core catcher at 8 cm. Bioturbation ranges from none to slight. The core presents slight up-arching throughout and Section 1 at 6-12 cm is slightly disturbed and in a slurry condition.



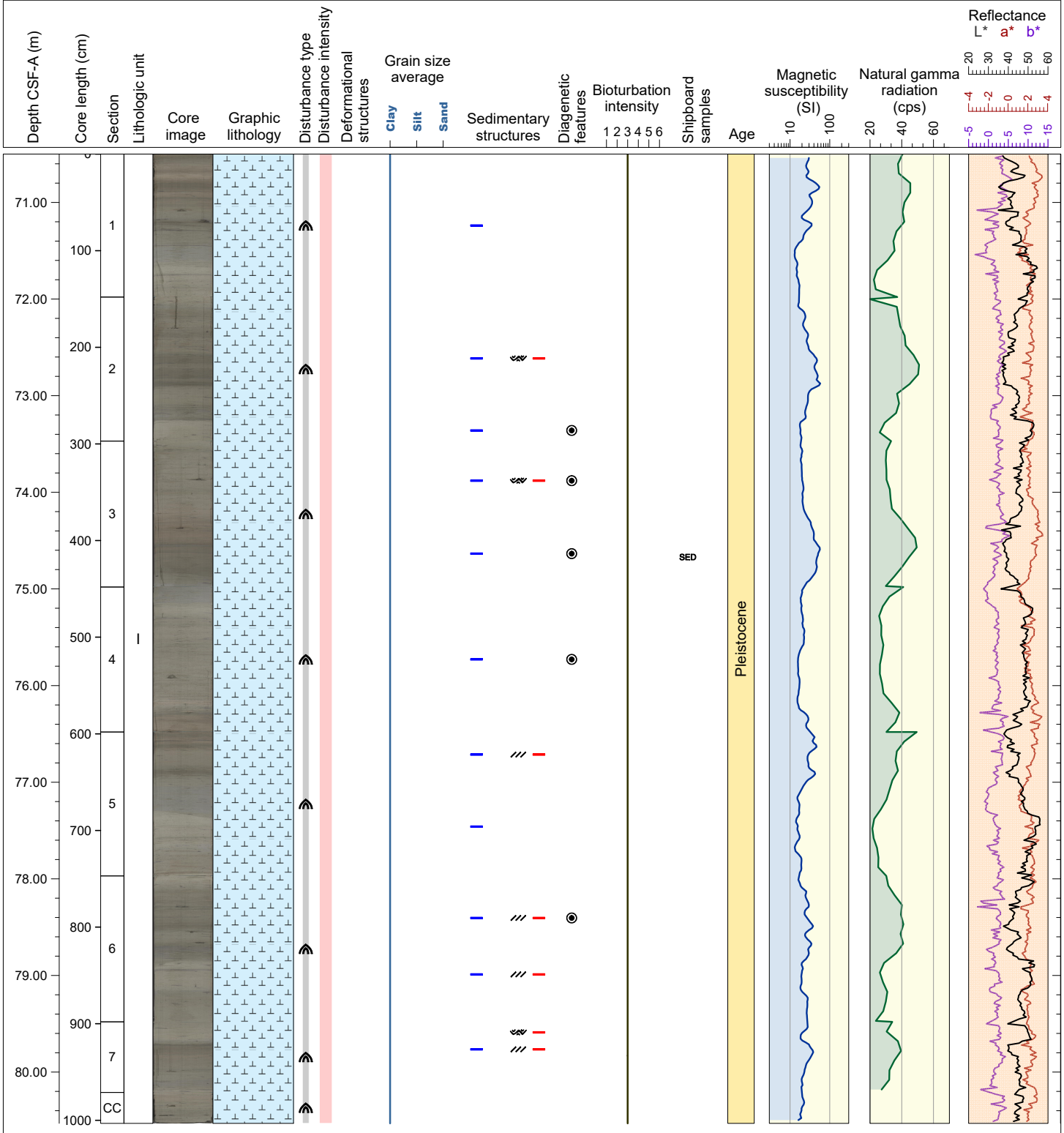
Hole 397-U1586C Core 8H, Interval 61.0-71.06 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. Foraminifers are observed in Section 3 from 58 to 151 cm and in the nannofossil ooze in Sections 5 from 121 to 149 cm, in the top of section 7 and in CC. The contacts between lithologies are color boundary, straight to irregular and sharp to gradational. Color banding and sparse dark patches are observed throughout the core. Homogenized intervals are observed in Section 3 at 58 cm, at the top of Sections 5 and 8. Slump folds are observed in Section 5 from 83 to 151 cm, in Section 6 from 0 to 27 cm and from 101 to 121 cm. Bioturbation is slight throughout. The core presents slight up-arching throughout and the top of Section 1 presents soupy drilling disturbance.



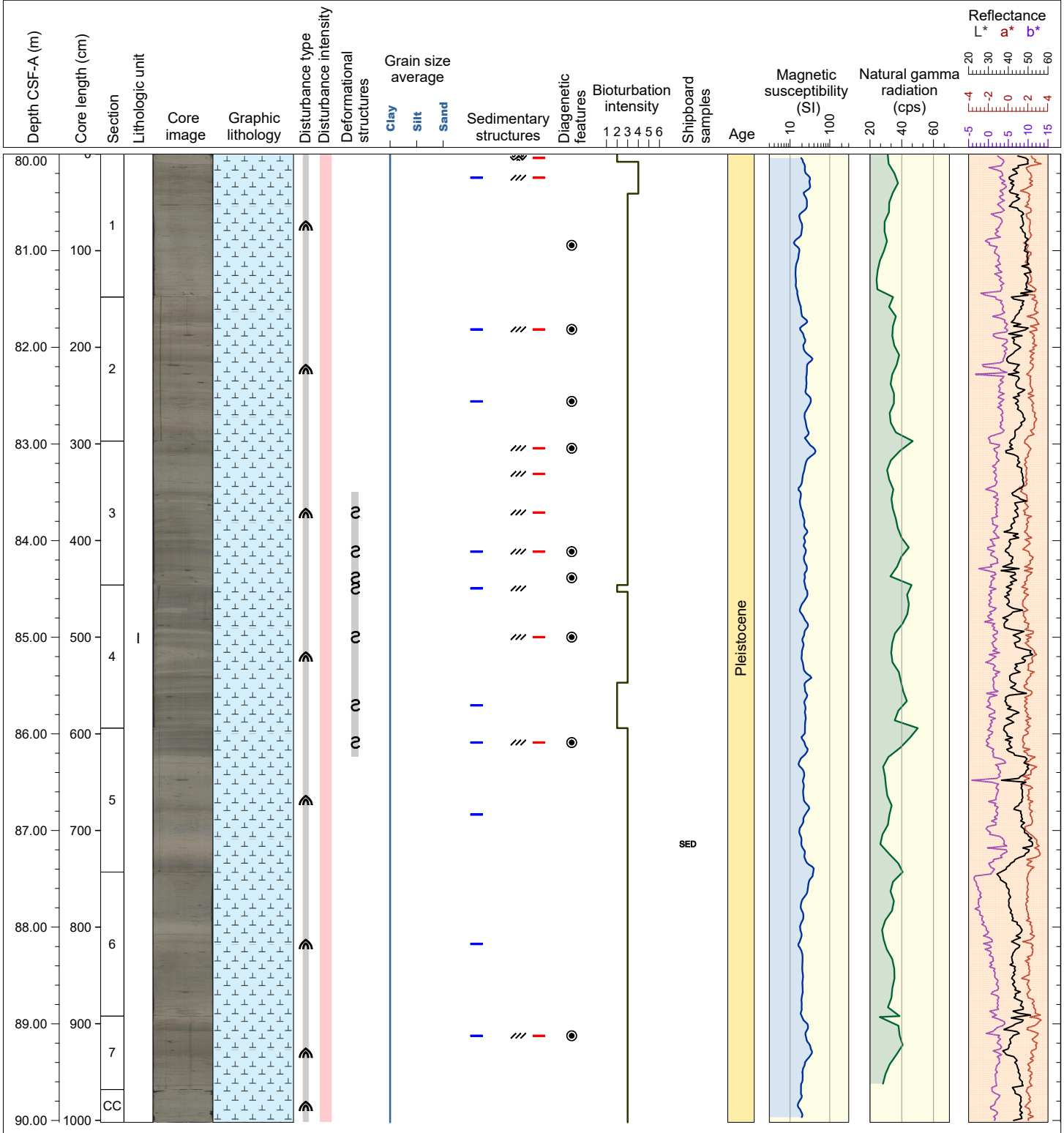
Hole 397-U1586C Core 9H, Interval 70.5-80.53 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. Foraminifers are observed throughout the core. The contacts between lithologies are mostly color boundary, straight to irregular and sharp to gradational. Color banding, sparse dark patches and nodules are observed in most of the sections. Bioturbation is slight throughout. The whole core presents slight up-arching drilling disturbance.



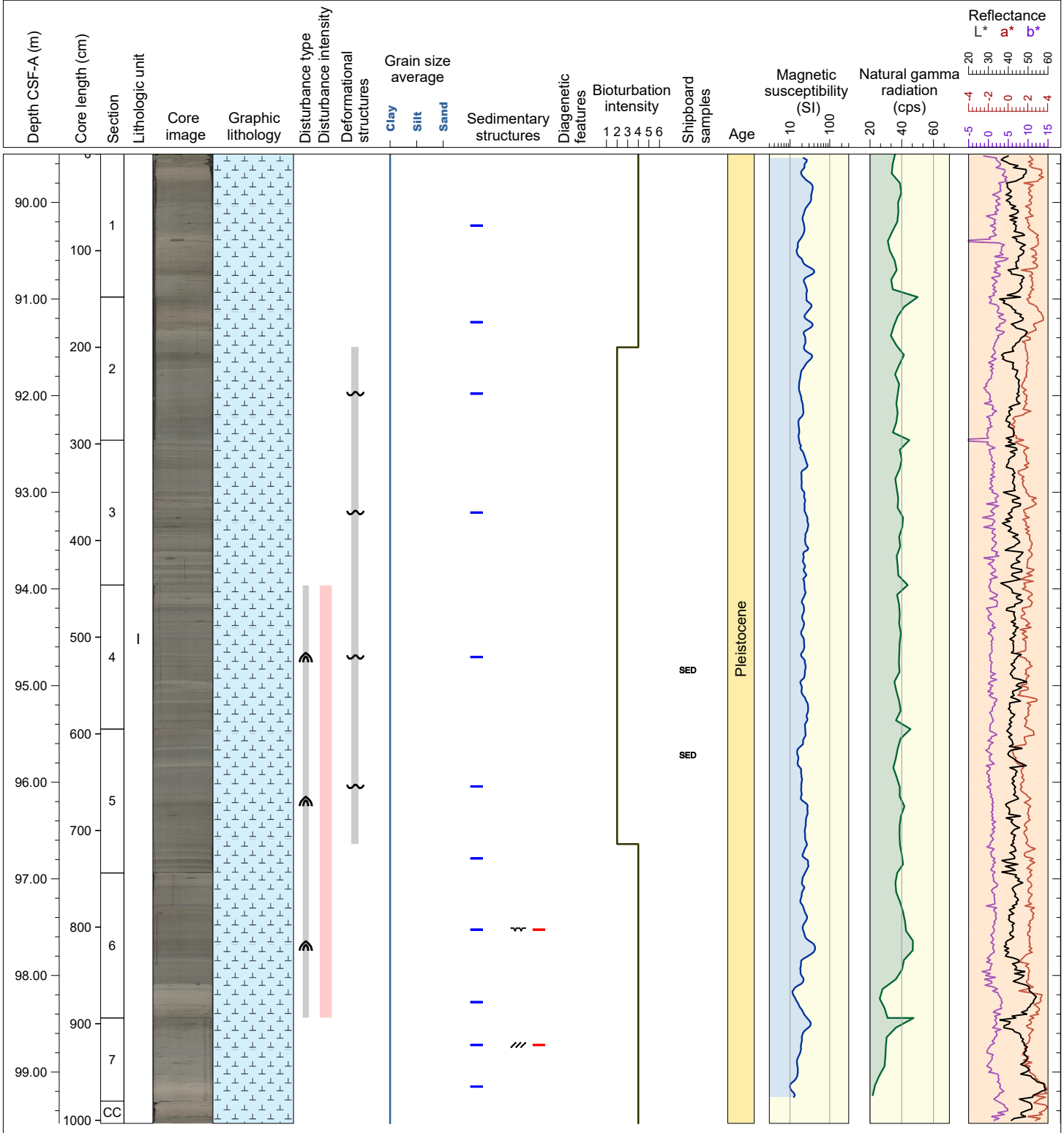
Hole 397-U1586C Core 10H, Interval 80.0-90.02 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. Foraminifers are observed throughout the core. The contacts between lithologies are mostly color boundary, irregular and gradational. Color banding, sparse dark patches and nodules are observed in most of the sections contorted layers with slump folds are present from Section 3 to Section 5. Bioturbation is sparse to moderate. The whole core presents slight up-arching drilling disturbance.



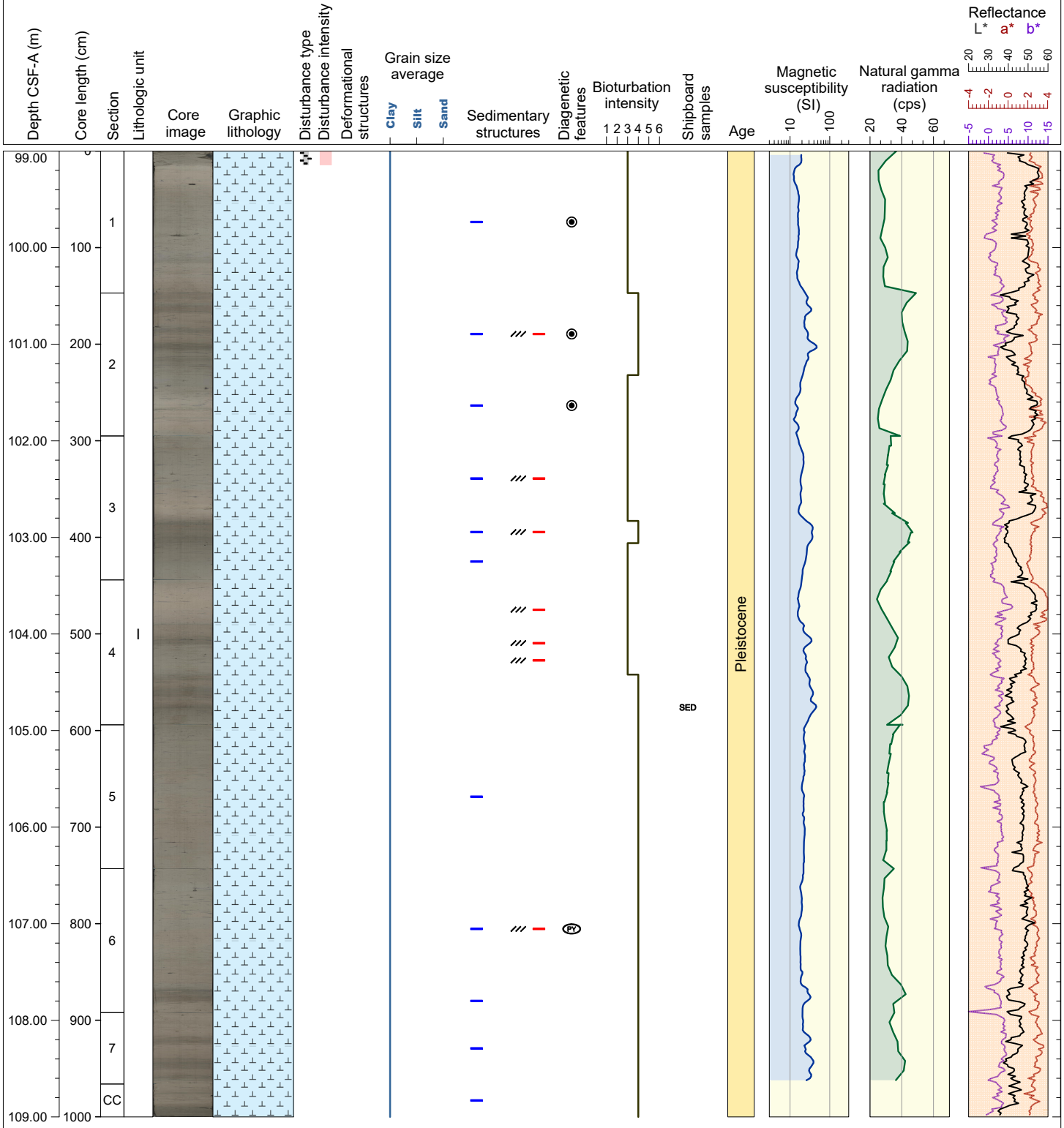
Hole 397-U1586C Core 11H, Interval 89.5-99.53 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with CLAY. The core presents mostly very thickly bedding and the contacts between lithologies are mostly color boundary, irregular, sharp and gradational. Color banding and sparse dark patches are observed in most of the sections. Bioturbation is moderate throughout the core. The core presents slight up-arching drilling disturbance.



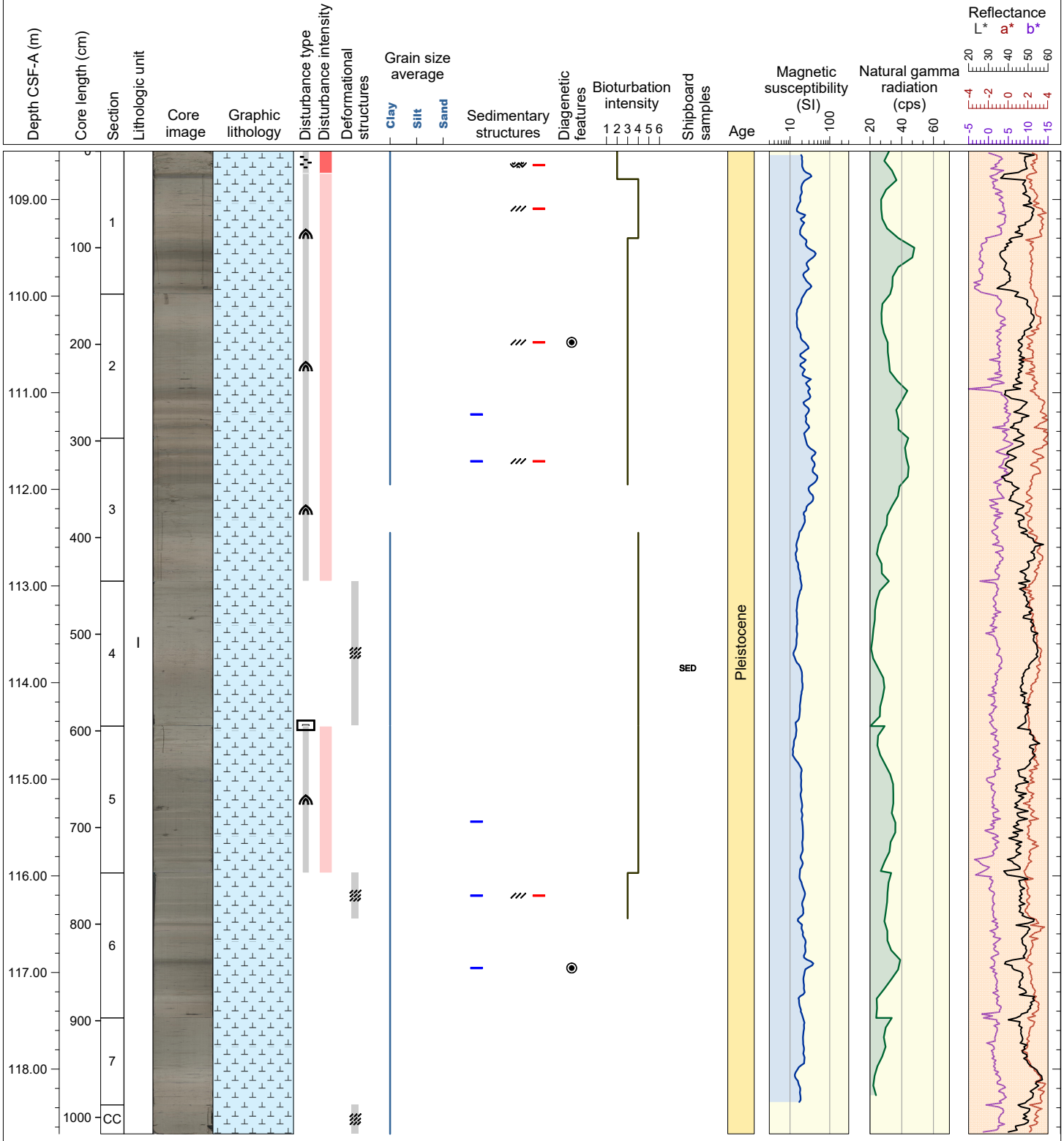
Hole 397-U1586C Core 12H, Interval 99.0-109.0 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with CLAY. The contacts between lithologies are mostly color boundary, irregular and gradational. Color banding and sparse dark patches are observed in most of the sections. A pyrite nodule is observed in Section 6 at 22 cm. Bioturbation is slight to moderate throughout the core. The core presents slurry drilling disturbance in the top of Section 1.



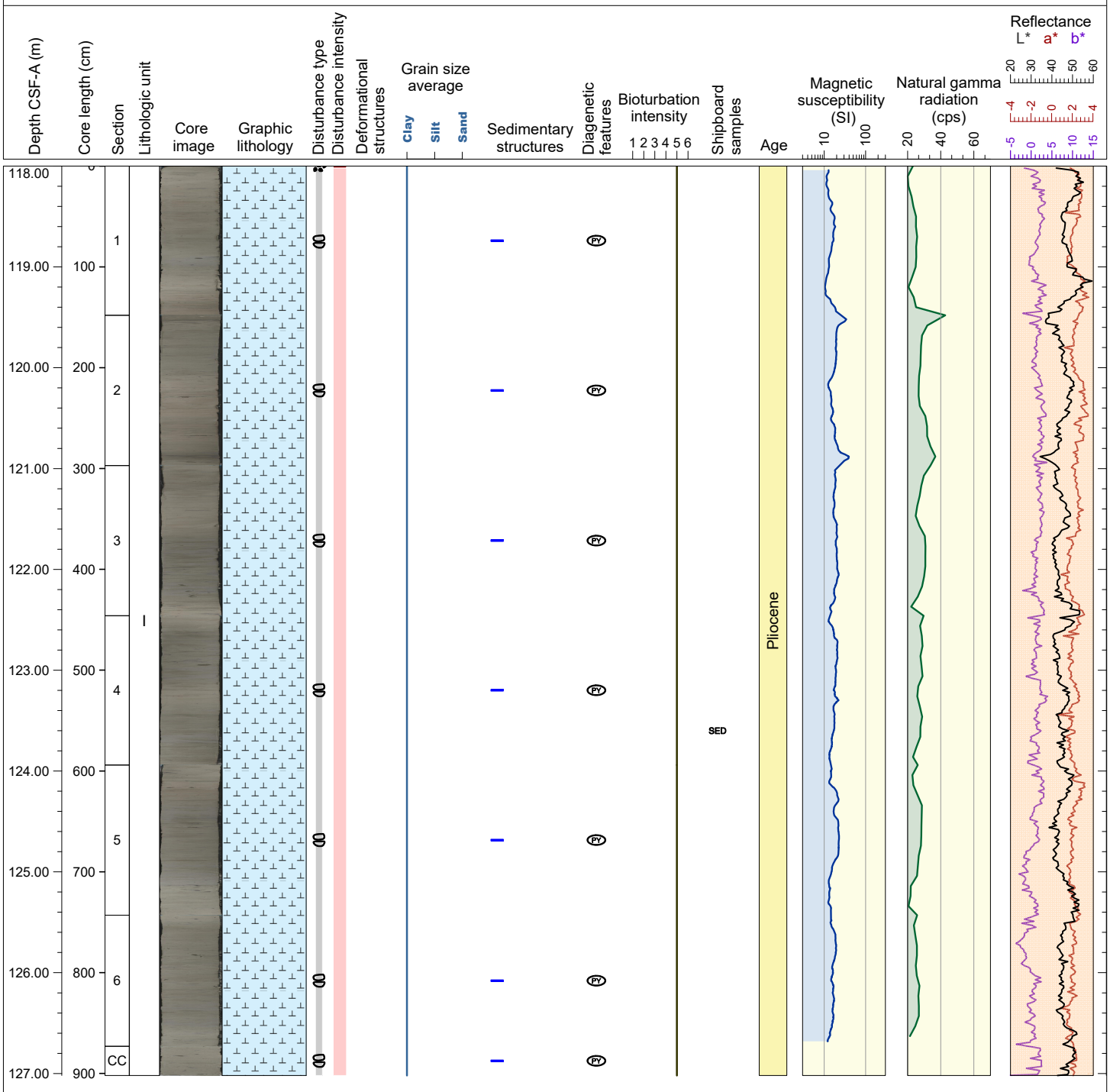
Hole 397-U1586C Core 13H, Interval 108.5-118.67 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE with CLAY. Foraminifers are observed throughout the sections. The contacts between lithologies are mostly color boundary, irregular and gradational. Color banding and sparse dark patches are observed in most of the sections. Nodules are observed in Section 2 at 87 and 98 cm and in Section 6 at 146 cm. Homogenized intervals are observed in Section 4, in Section 6 from 0 to 47 cm and in CC from 0 to 30 cm. Bioturbation is sparse to moderate. The core presents moderate slurry drilling disturbance in the top of Section 1 and slight up arching drilling disturbance in the other sections.



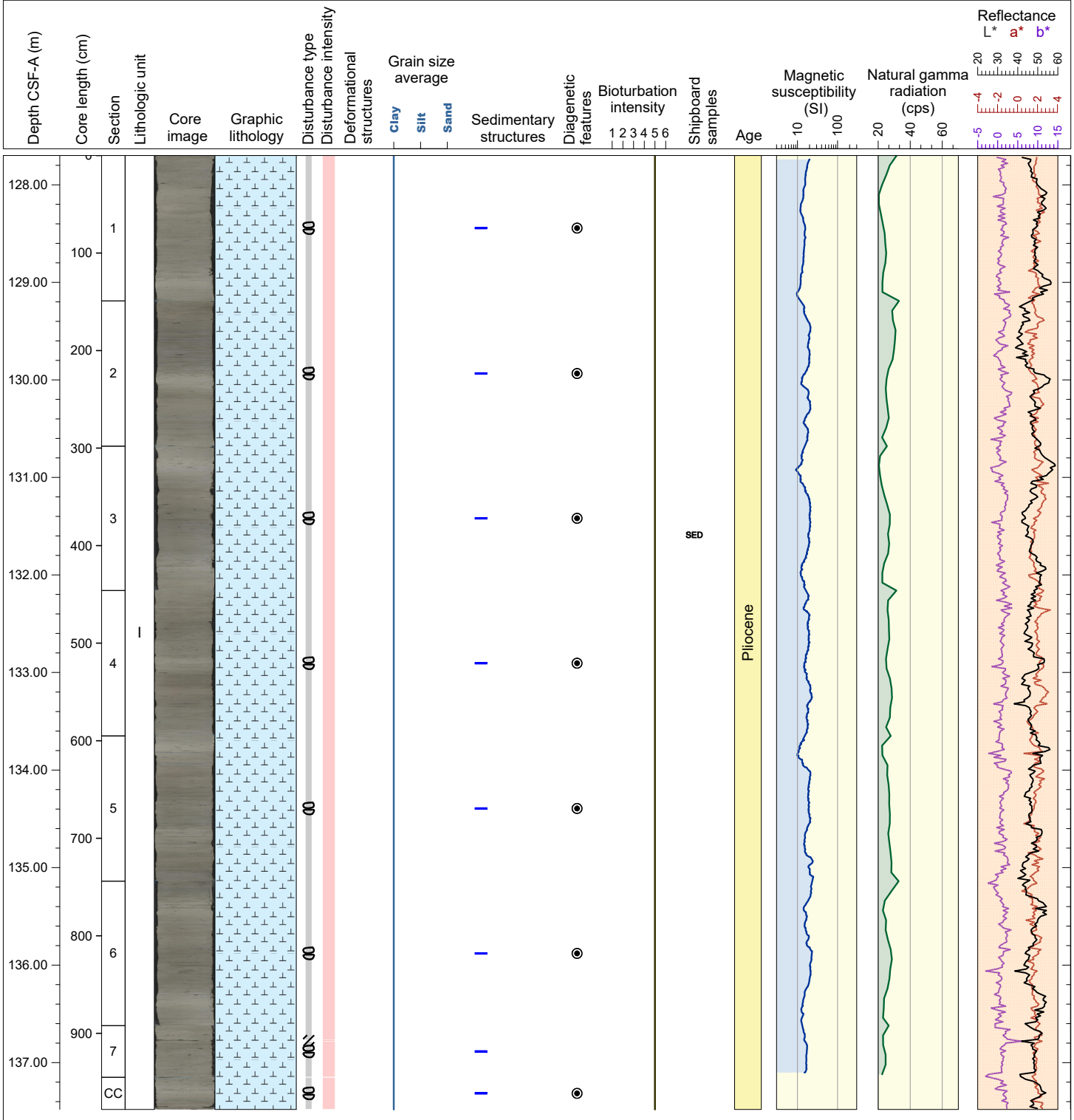
Hole 397-U1586C Core 14X, Interval 118.0-127.02 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE. Color banding is observed in all sections. Pyrite nodules and sparse dark patches are observed throughout the core. Bioturbation is heavy and trace fossils such as chondrites, planolites, and zoophycos are observed. The core presents mostly slight biscuiting drilling disturbance.



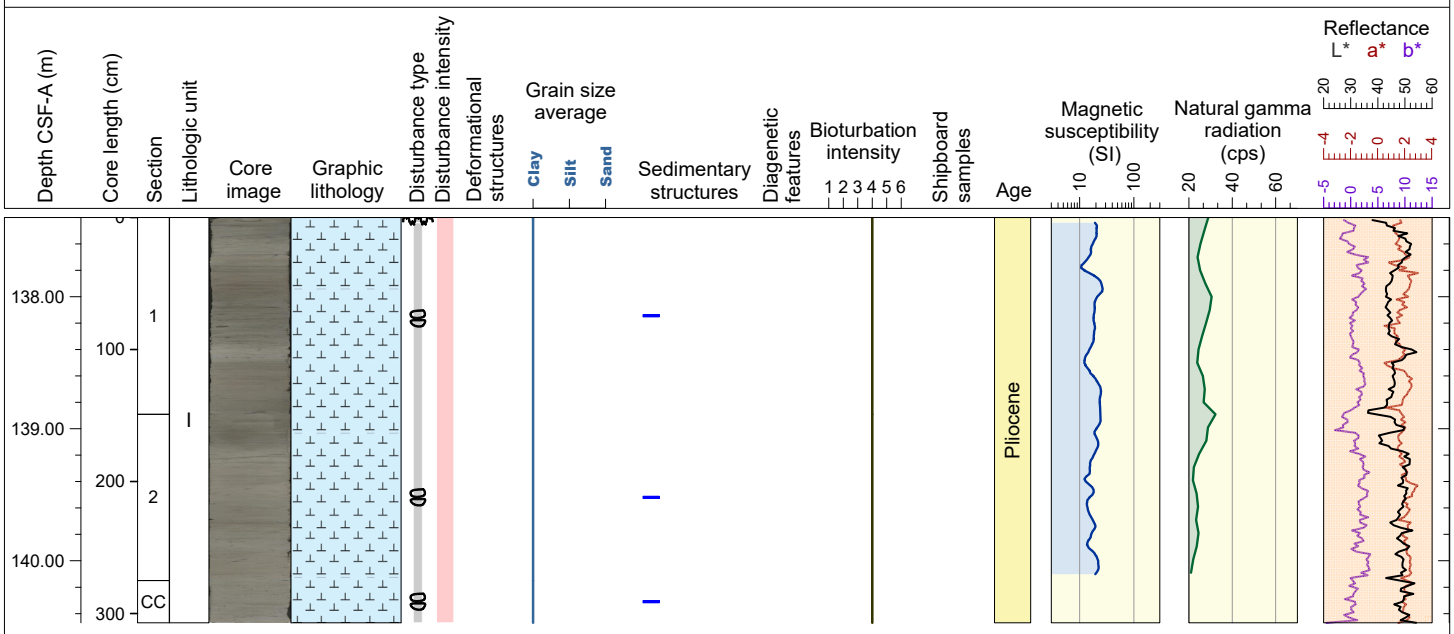
Hole 397-U1586C Core 15X, Interval 127.7-137.48 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE. Color banding is observed in all sections. Pyrite nodules and sparse dark patches are observed throughout the core. Bioturbation is heavy and trace fossils such as chondrites, planolites, and zoophycos are observed. The core presents mostly slight biscuiting drilling disturbance.



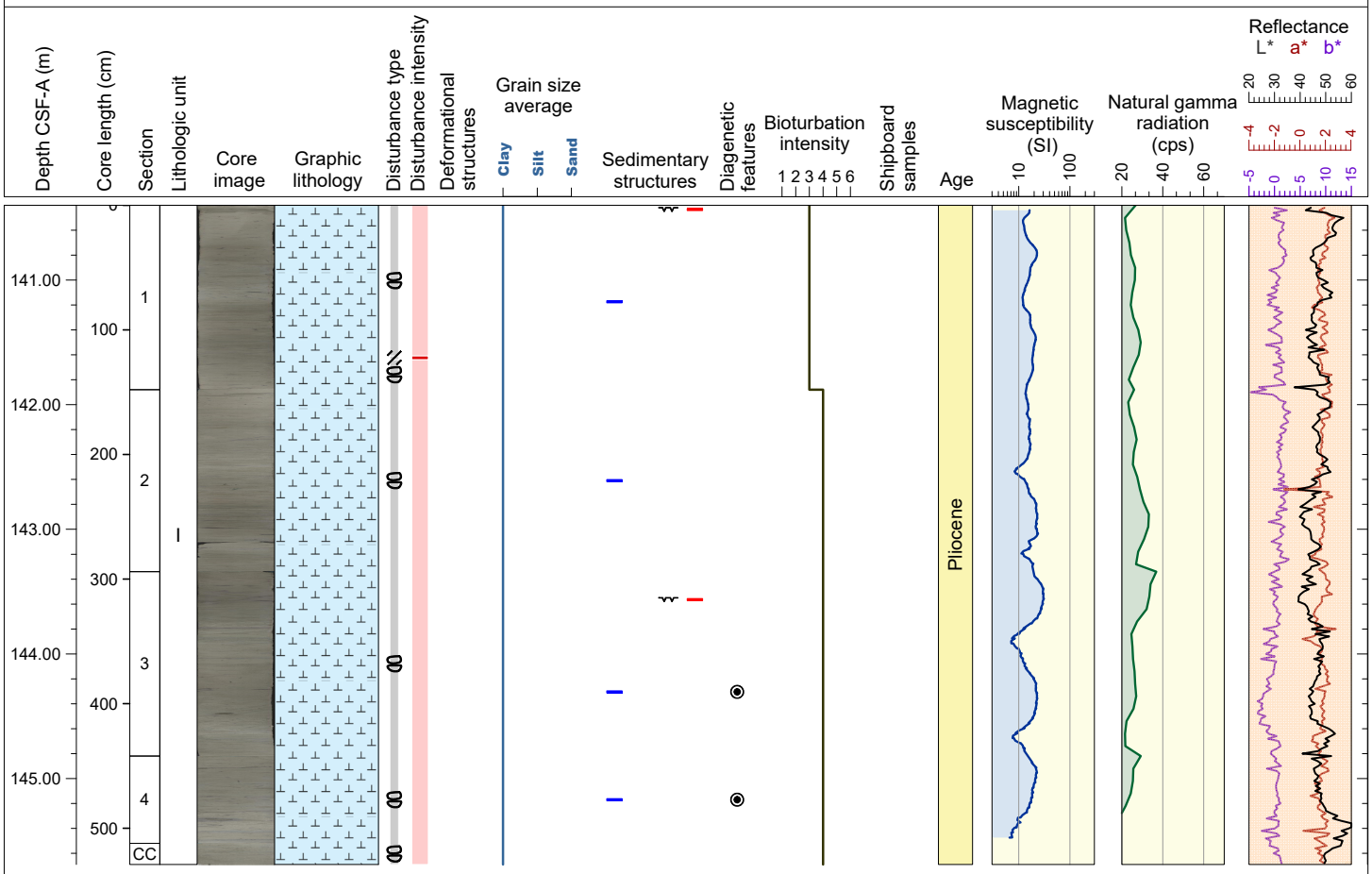
Hole 397-U1586C Core 16X, Interval 137.4-140.47 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY. Color banding is found throughout and dark and greenish layers are present. In Section 1 at 108-115 cm laminations are found. A pyritized burrow is present in Section 1 at 82 cm and several small dark patches are found throughout the core. Bioturbation is moderate and trace fossils such as chondrites, planolites, and zoophycos are observed. In the first 4 cm of the core a slightly disturbed bedding is found. The rest of the core presents a slight biscuiting drilling disturbance.



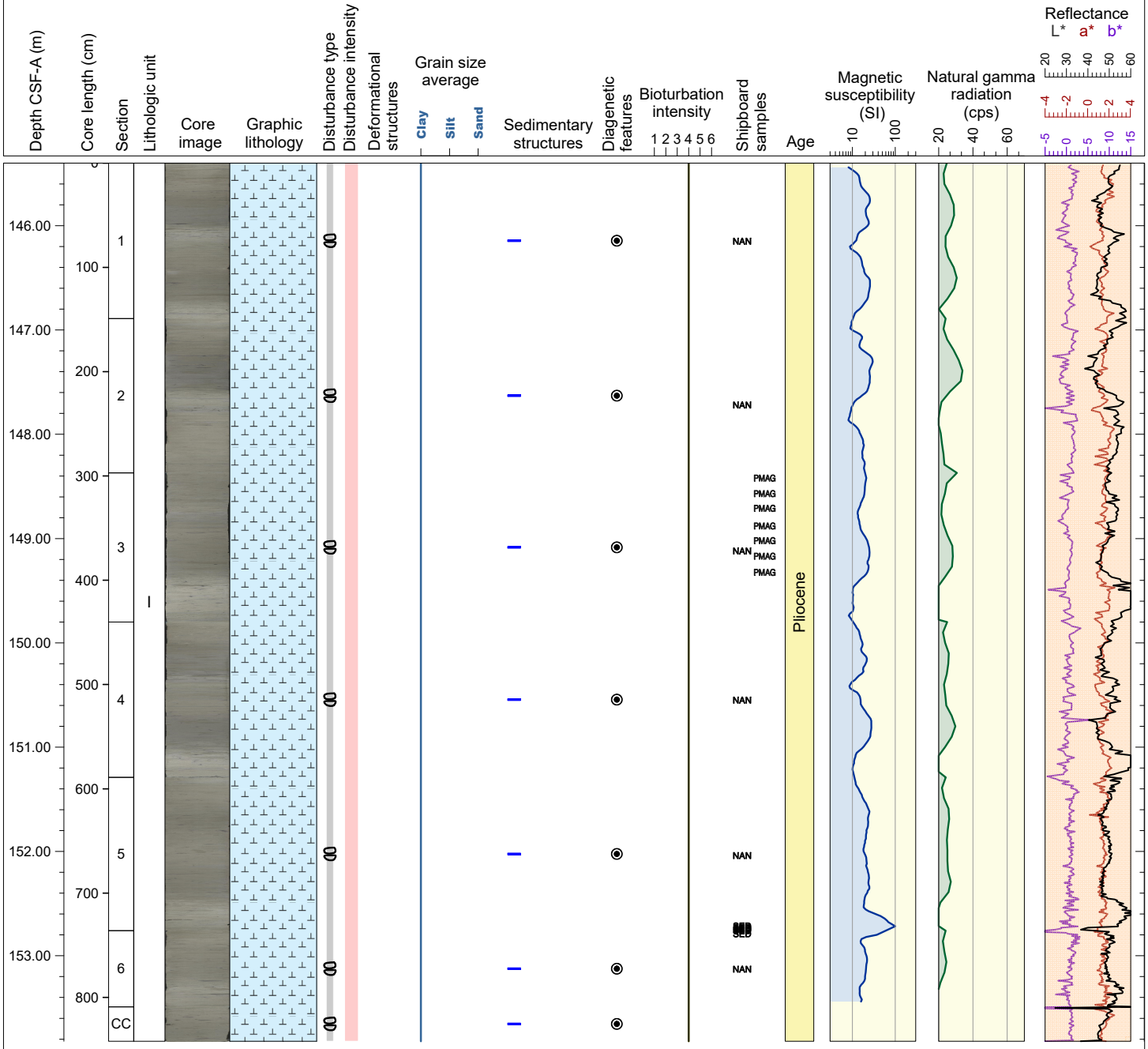
Hole 397-U1586C Core 17X, Interval 140.4-145.69 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY. Color banding is found throughout and dark and grey/greenish layers are present. A pyritized burrows are present in Sections 3 and 4 and several small dark patches are found throughout the core. Bioturbation is slight to moderate and trace fossils such as chondrites, planolites, and zoophycos are observed. Section 1 is strongly disturbed by cracking between 124 and 127cm. The rest of the core presents a slight biscuiting drilling disturbance.



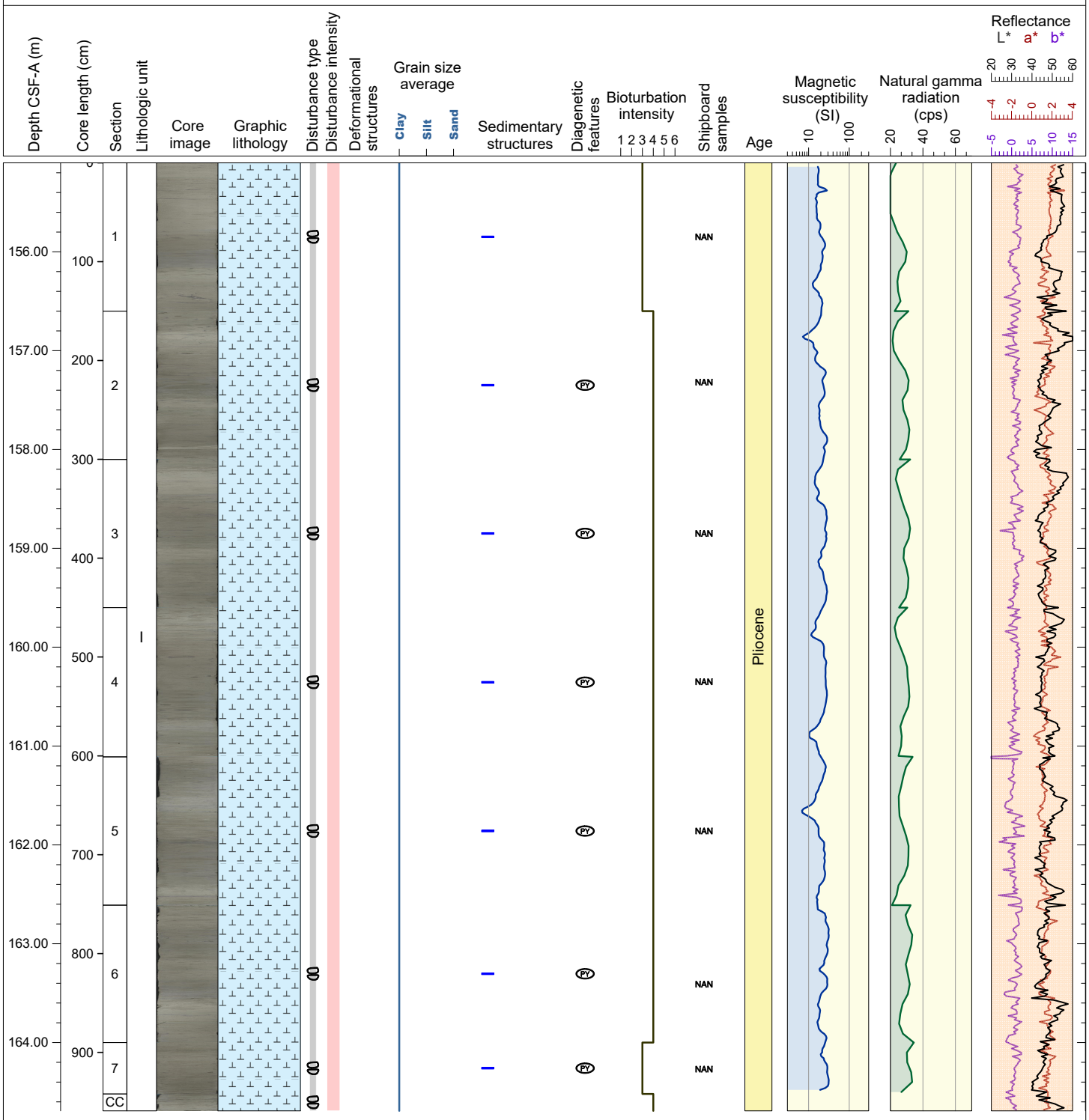
Hole 397-U1586C Core 18X, Interval 145.4-153.82 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY. Color banding is found in sections 1 and 3 and dark and grey/greenish layers are present. Pyrite nodules are present in sections 3 and 4 and several small dark patches are found throughout the core. Bioturbation is slight to moderate and trace fossils such as chondrites, planolites, and zoophycos are observed. The core presents a slight biscuiting drilling disturbance throughout. Between the end of section 5 and the beginning of section 6 a 10 cm zone of high magnetic susceptibility is noted.



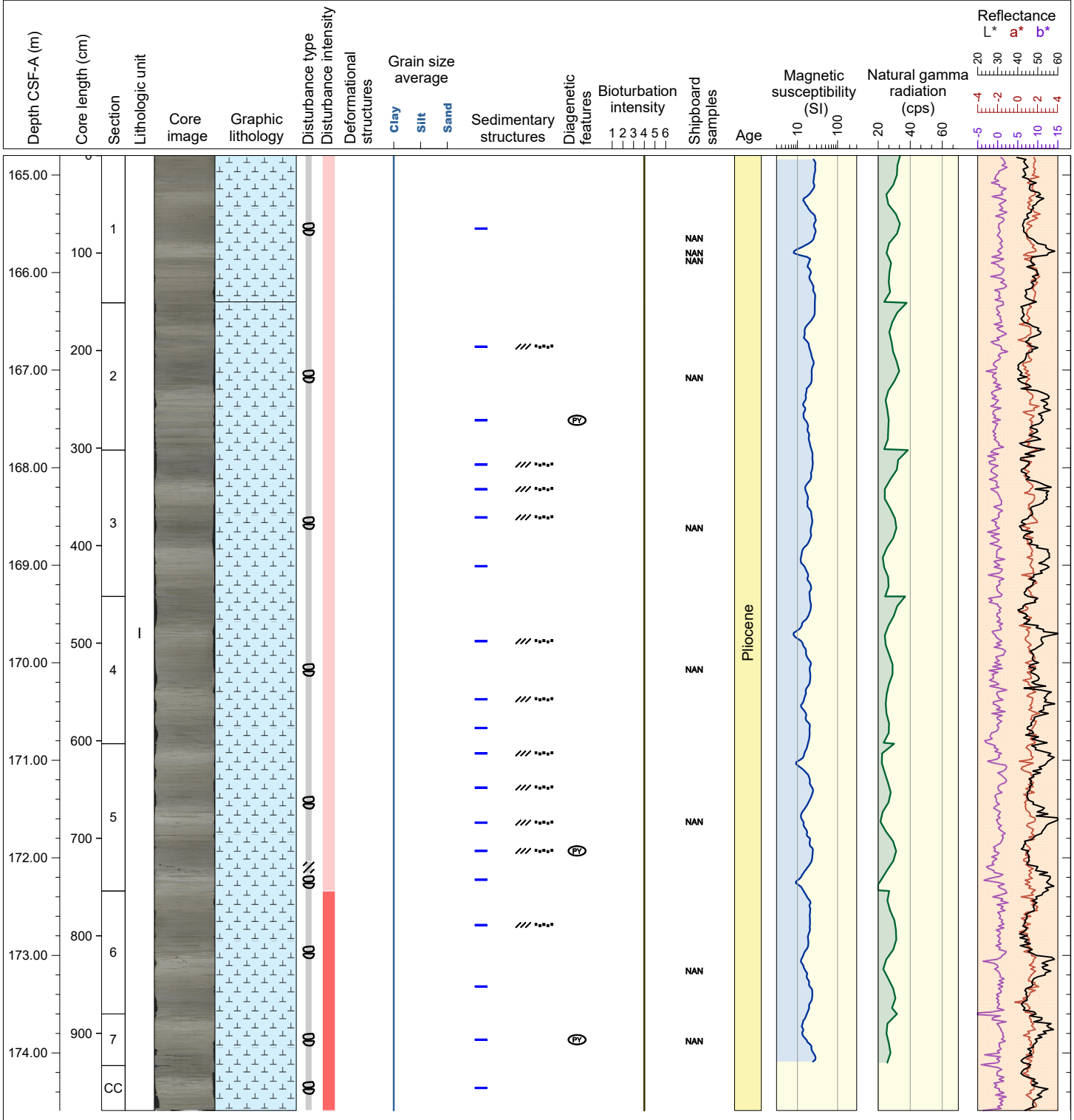
Hole 397-U1586C Core 19X, Interval 155.1-164.69 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY. Color banding is found throughout and black and green color bands. There are black outlined patches throughout the core and several pyrite nodules are found. Bioturbation is slight to moderate and trace fossils such as chondrites, planolites, and zoophycos are observed. The core presents a slight biscuiting drilling disturbance throughout.



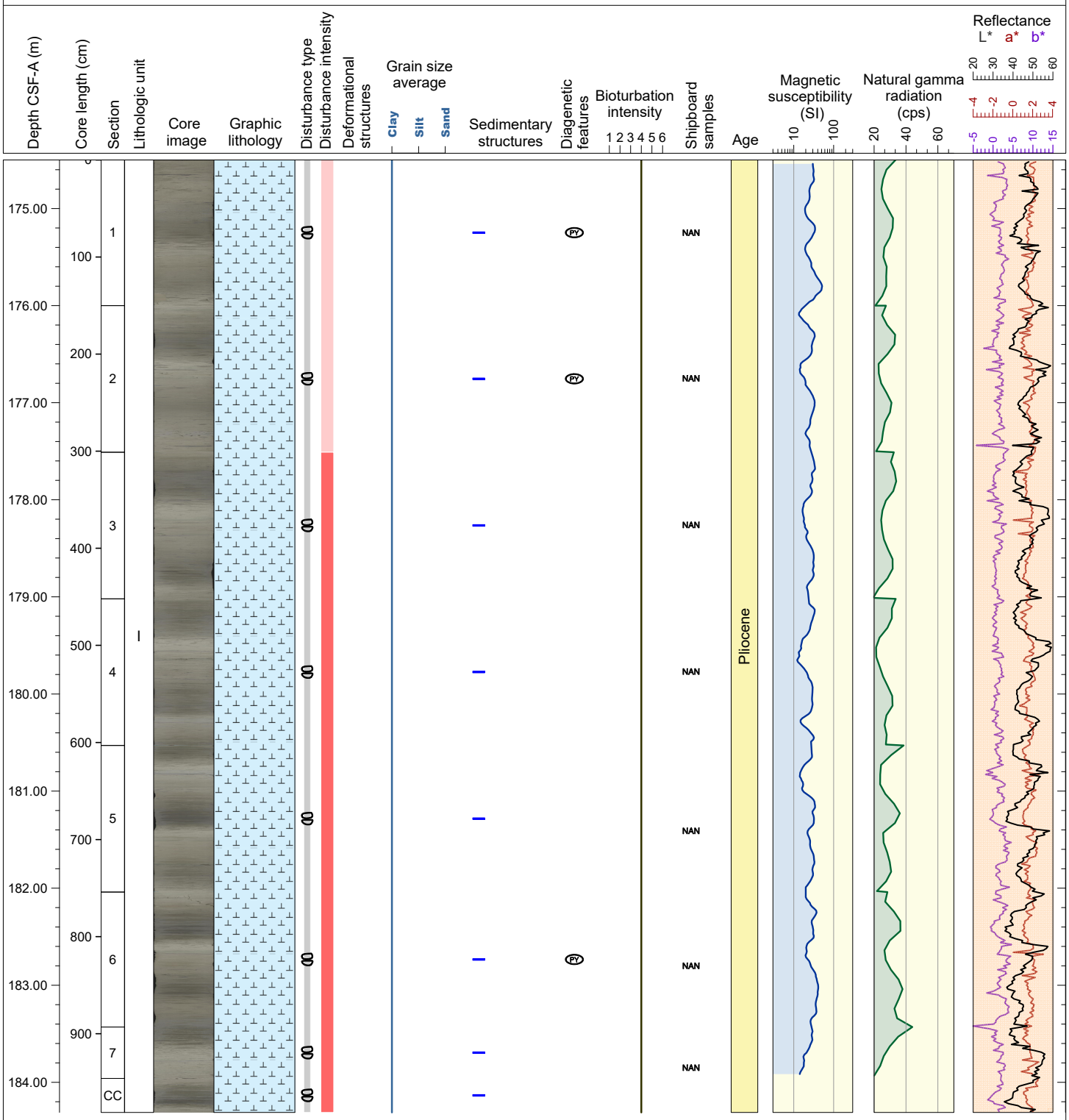
Hole 397-U1586C Core 20X, Interval 164.8-174.59 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE intercalating with NANNOFOSSIL OOZE WITH CLAY. The boundaries are bioturbated irregular and gradational. There is color banding throughout with black and green bands. Several black outlined patches are present as well as pyrite nodules. Bioturbation is moderate and trace fossils such as chondrites, planolites, and zoophycos are observed. The core presents a slight and moderate biscuiting drilling disturbance in sections 1 to 5 and 6 to core catcher, respectively. A crack slightly disturbs the sediment in Section 5 at 121-133 cm.



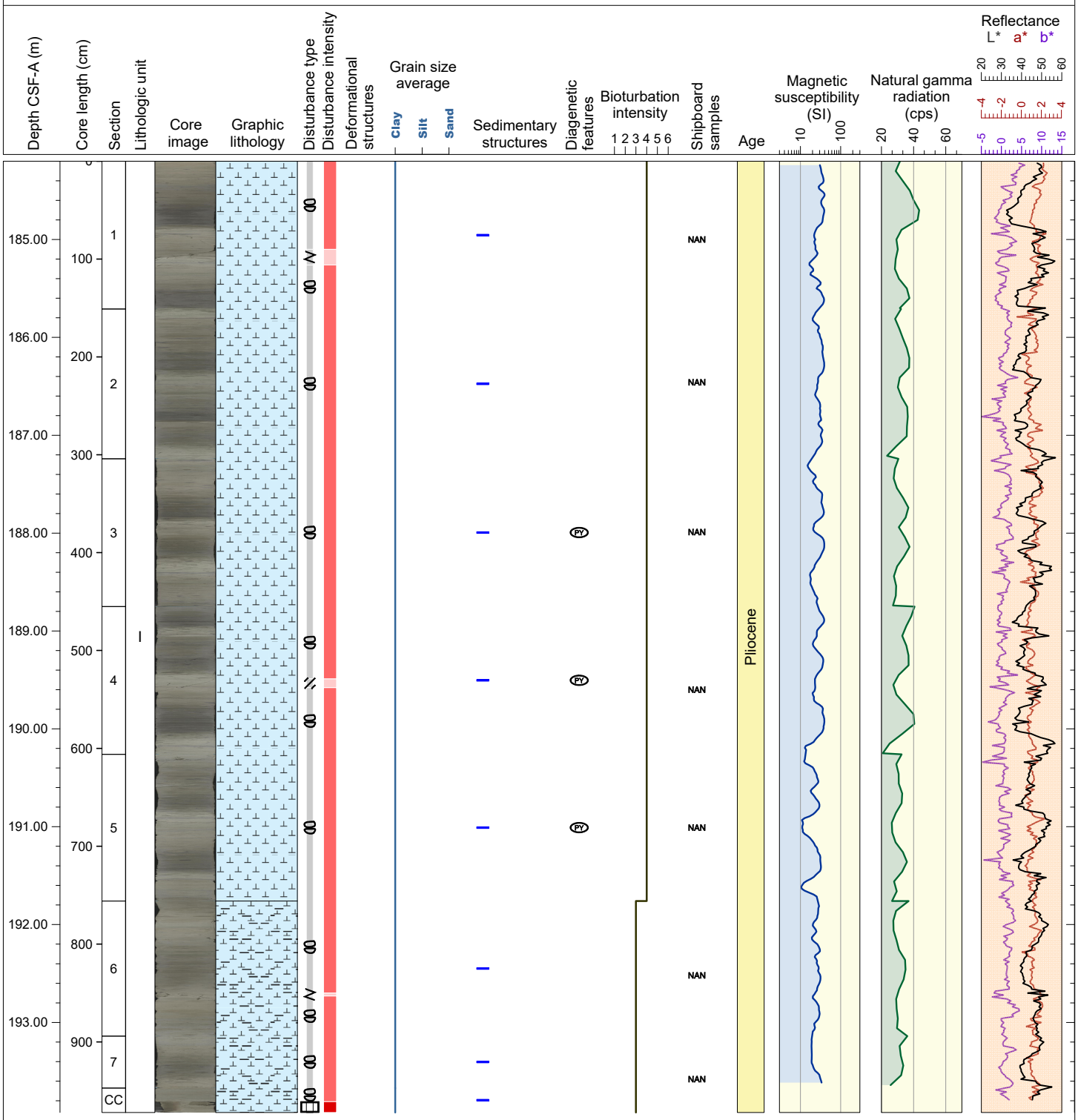
Hole 397-U1586C Core 21X, Interval 174.5-184.31 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY. There is color banding throughout. Several pyrite nodules as well as patches with rings made of pyrite are found. Bioturbation is moderate and trace fossils such as chondrites, planolites, and zoophycos are observed. The core presents a slight to moderate biscuiting drilling disturbance.



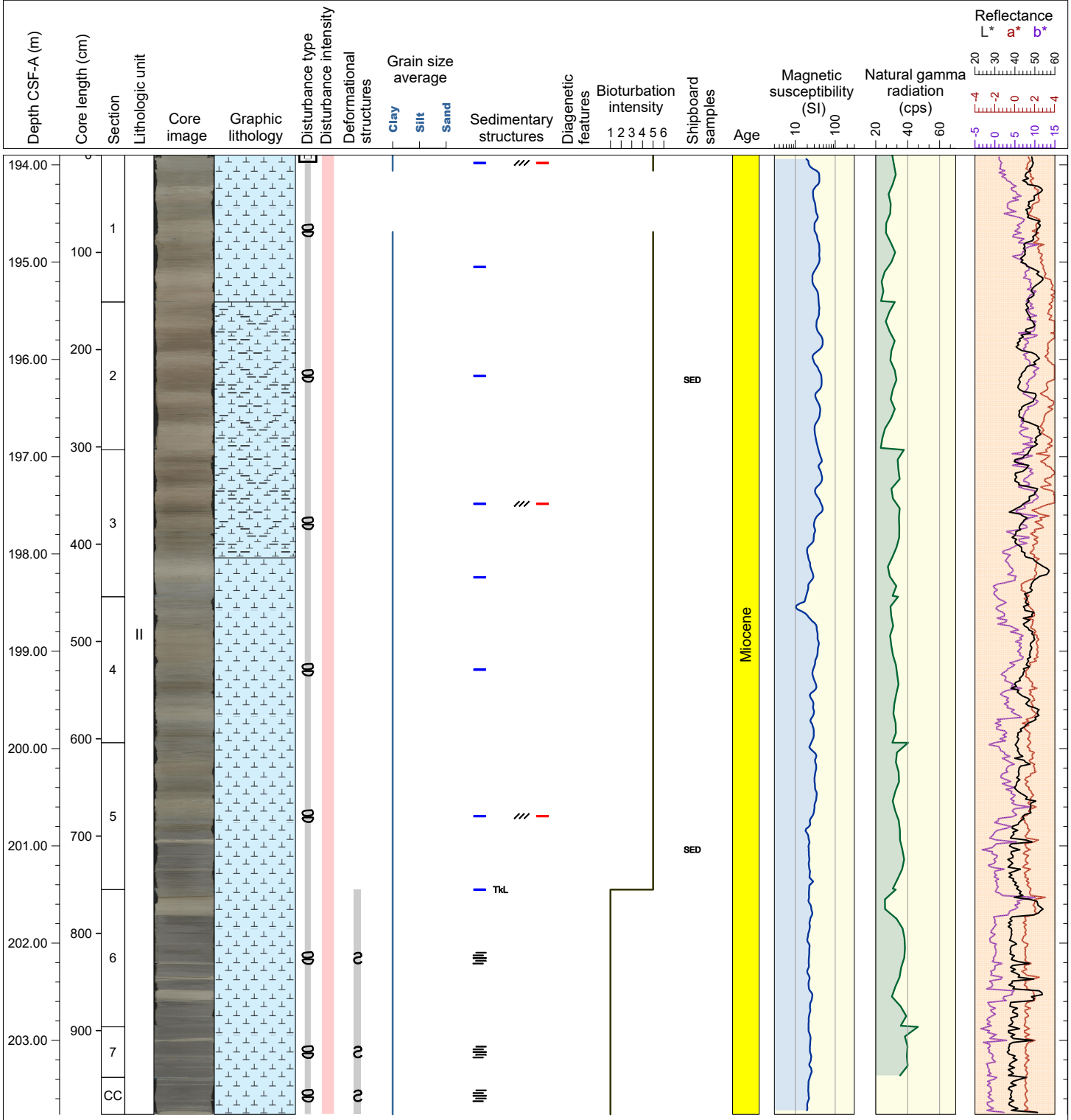
Hole 397-U1586C Core 22X, Interval 184.2-193.92 m (CSF-A)

Sections 1 through 5 consist of NANNOFOSSIL OOZE WITH CLAY and sections 6 through CC consist of CLAYEY NANNOFOSSIL OOZE. There are color bandings, black patches, and pyrite nodules throughout the core. Bioturbation is slight to moderate and trace fossils such as chondrites, planolites, and zoophycos are observed. This core presents slight to moderate biscuiting drilling disturbance and fragmentation, cracking, and partial voids in minor intervals.



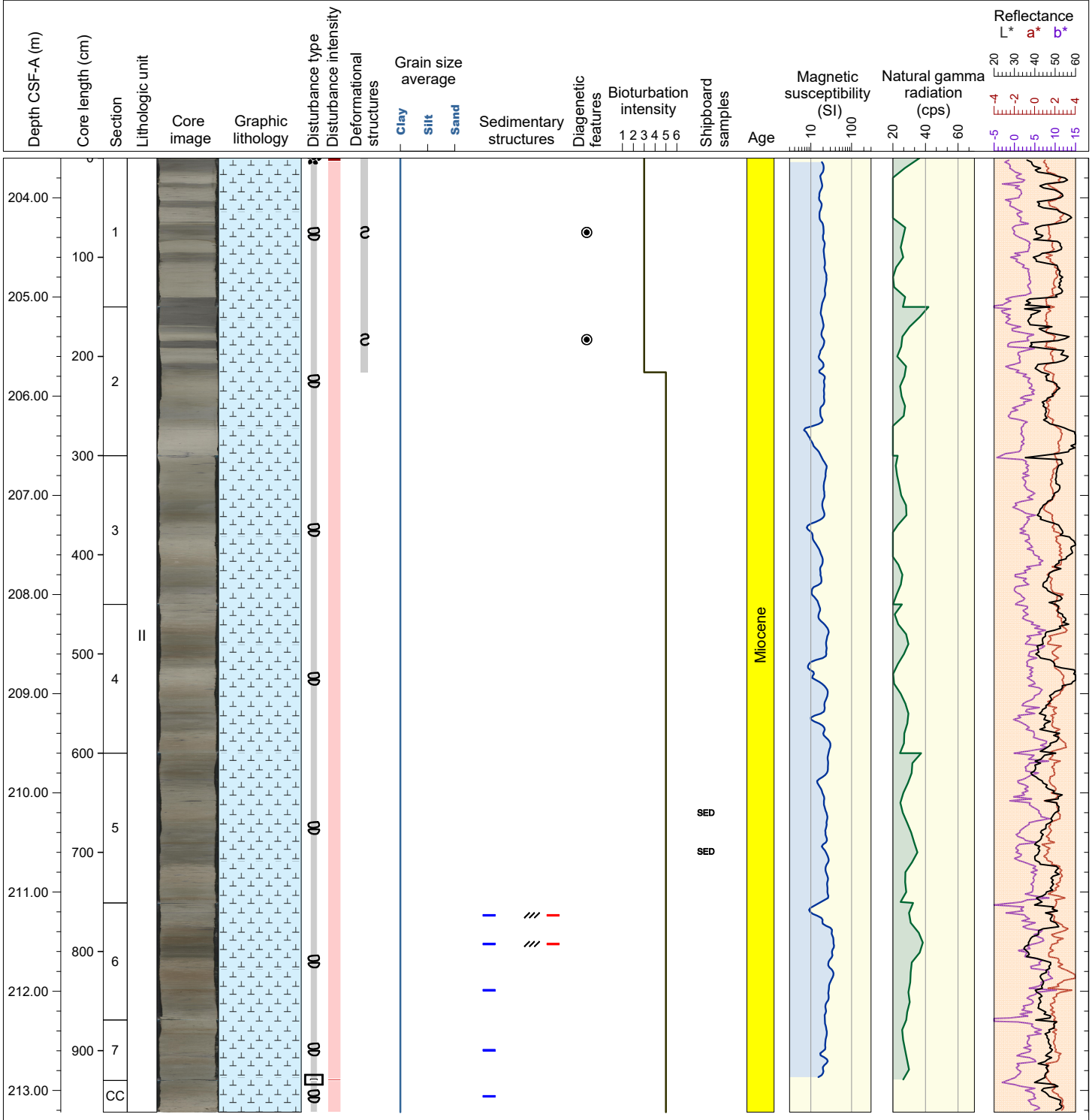
Hole 397-U1586C Core 23X, Interval 193.9-203.76 m (CSF-A)

Core 23 This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. Alternating light and dark beds are observed throughout the core. The contacts between lithologies are color boundary, irregular and gradational. Color bandings are commonly observed in all sections and black patches are present in Sections 1, 3 and 5. Intervals with slump folds are observed throughout sections 6, 7 and CC. Bioturbation is mostly heavy and trace fossils such as chondrites, planolites, and zoophycos are observed. This core presents slight biscuiting drilling disturbance. Â¿



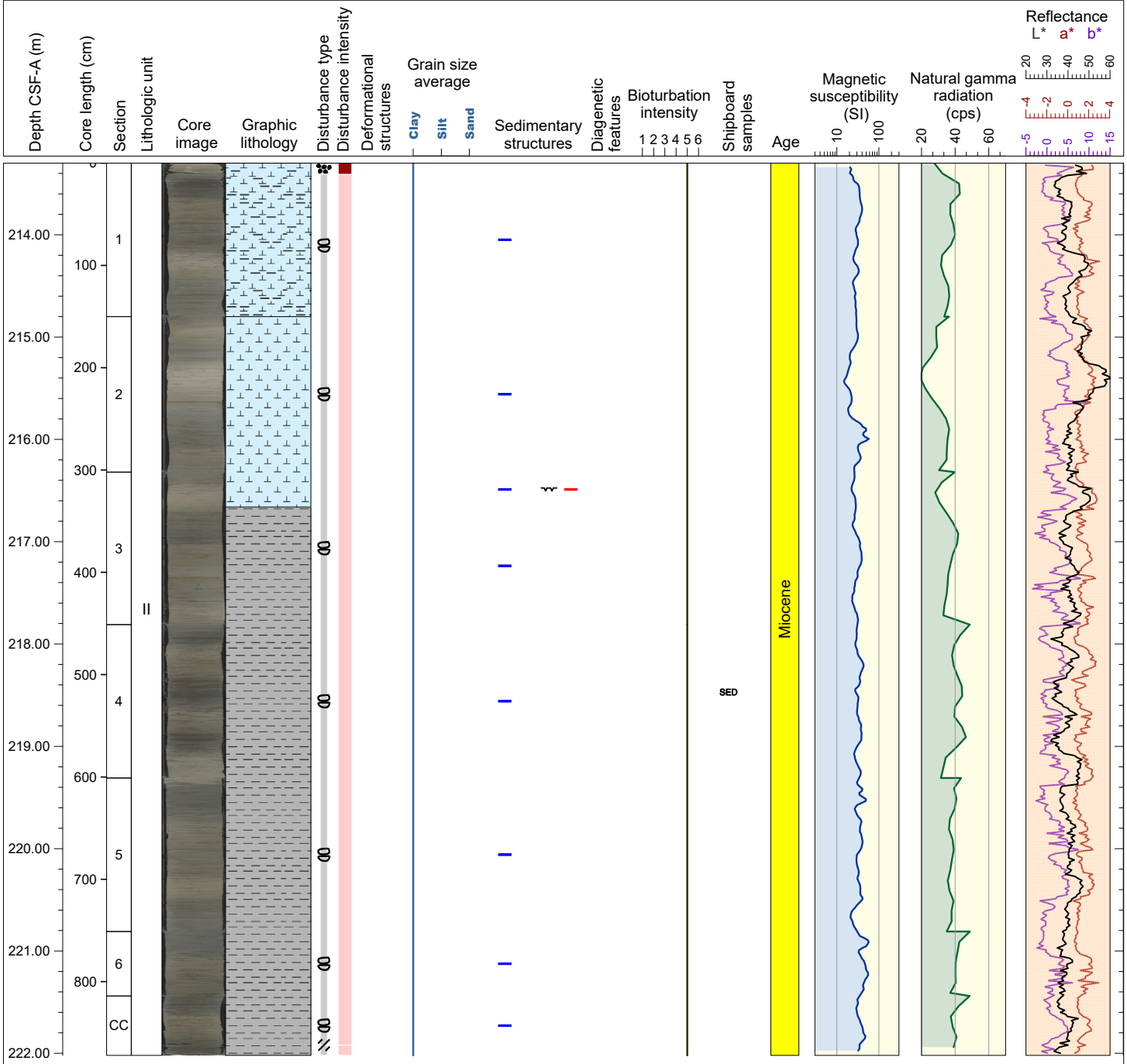
Hole 397-U1586C Core 24X, Interval 203.6-213.22 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. Alternating light and dark beds are observed throughout the core. The contacts between lithologies are color boundary, irregular and gradational. Color bandings are observed in Sections 6, 7 and CC, and black patches are present in most of the sections. Nodules are observed in Section 1 at 56 cm and Section 2 at 14 cm and 37 cm. Intervals with slump folds are observed throughout Section 1 and up to 66 cm in Section 2. Bioturbation is mostly heavy and trace fossils such as chondrites, planolites, zoophycos and an unknown one are observed. This core presents mostly slight biscuiting drilling disturbance.



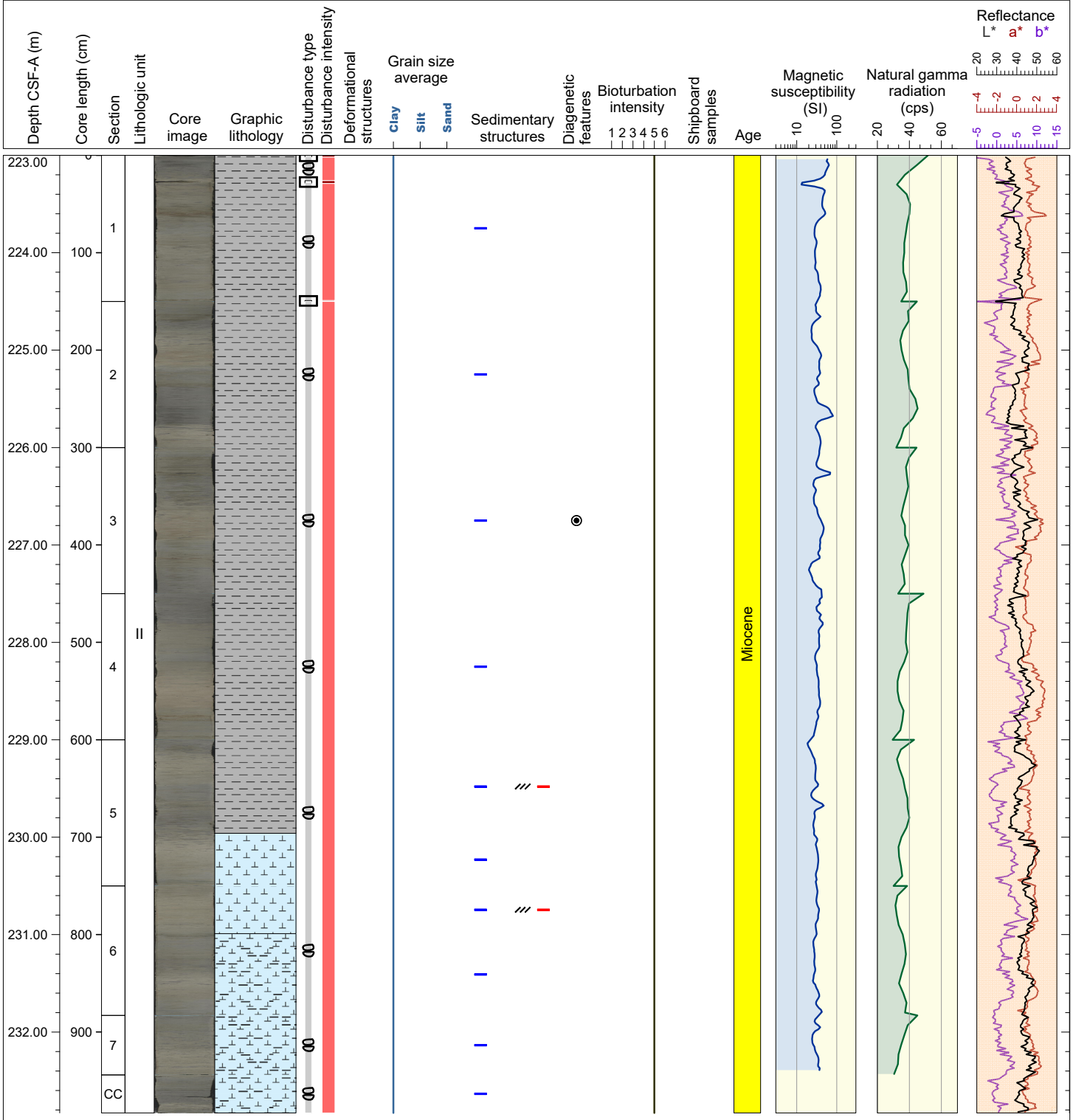
Hole 397-U1586C Core 25X, Interval 213.3-222.02 m (CSF-A)

This core is dominated by CLAY with NANNOFOSSIL. Alternating light and dark beds are observed throughout the core. The contacts between lithologies are color boundary, irregular and gradational, with a sharp contact present in Section 3 at 34 cm. Color bandings and dark patches are present in most of the sections. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are observed. This core presents mostly slight biscuiting drilling disturbance.



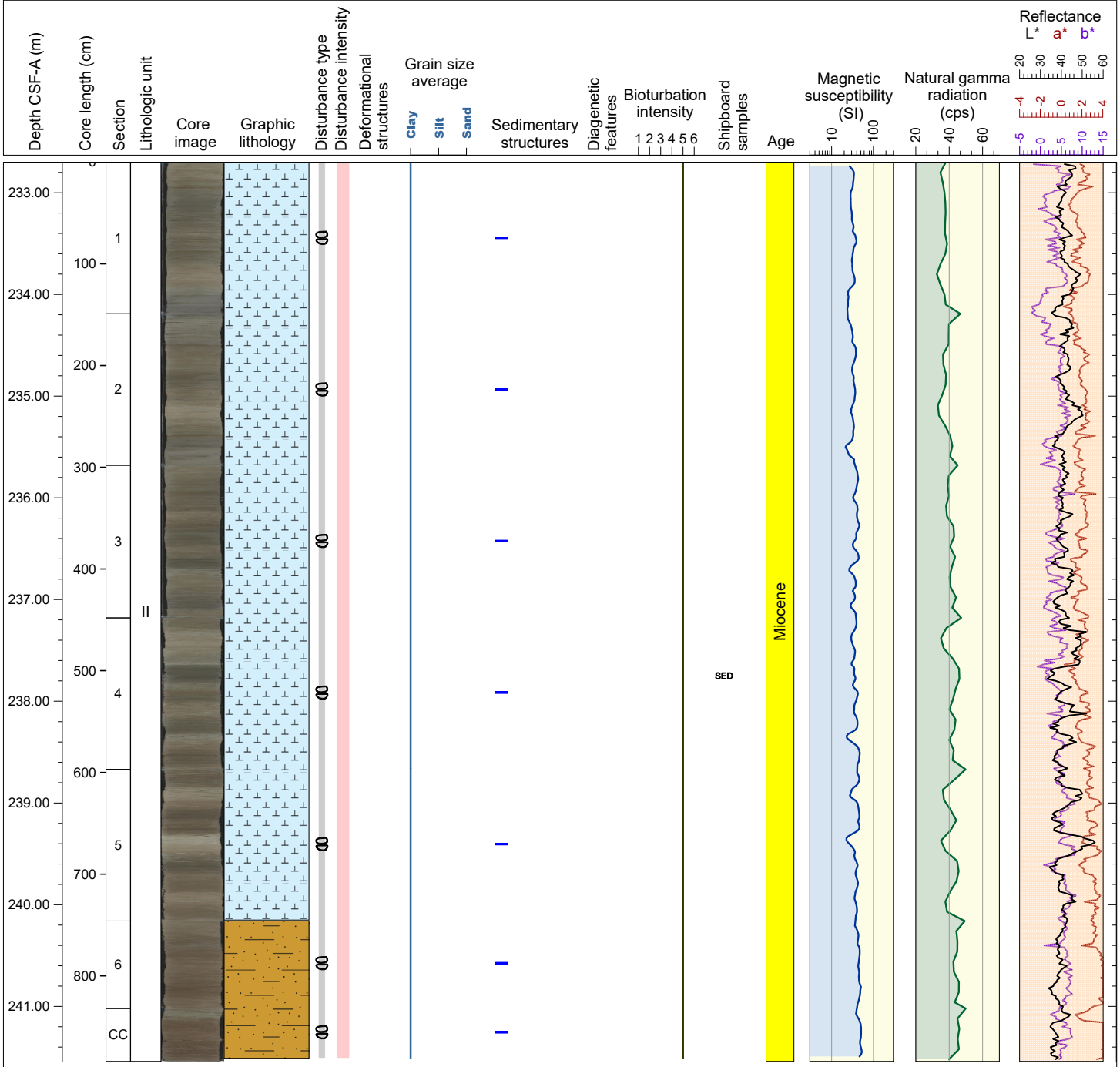
Hole 397-U1586C Core 26X, Interval 223.0-232.83 m (CSF-A)

This core is dominated by CLAY with NANNOFOSSIL and NANNOFOSSIL OOZE with varying amounts of clay. Alternating light and dark beds are observed throughout the core. The contacts between lithologies are color boundary, irregular and gradational. Color bandings and dark patches are present in most of the sections. A nodule is observed in Section 3 at 27 cm. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are observed. This core presents moderate biscuiting drilling disturbance.



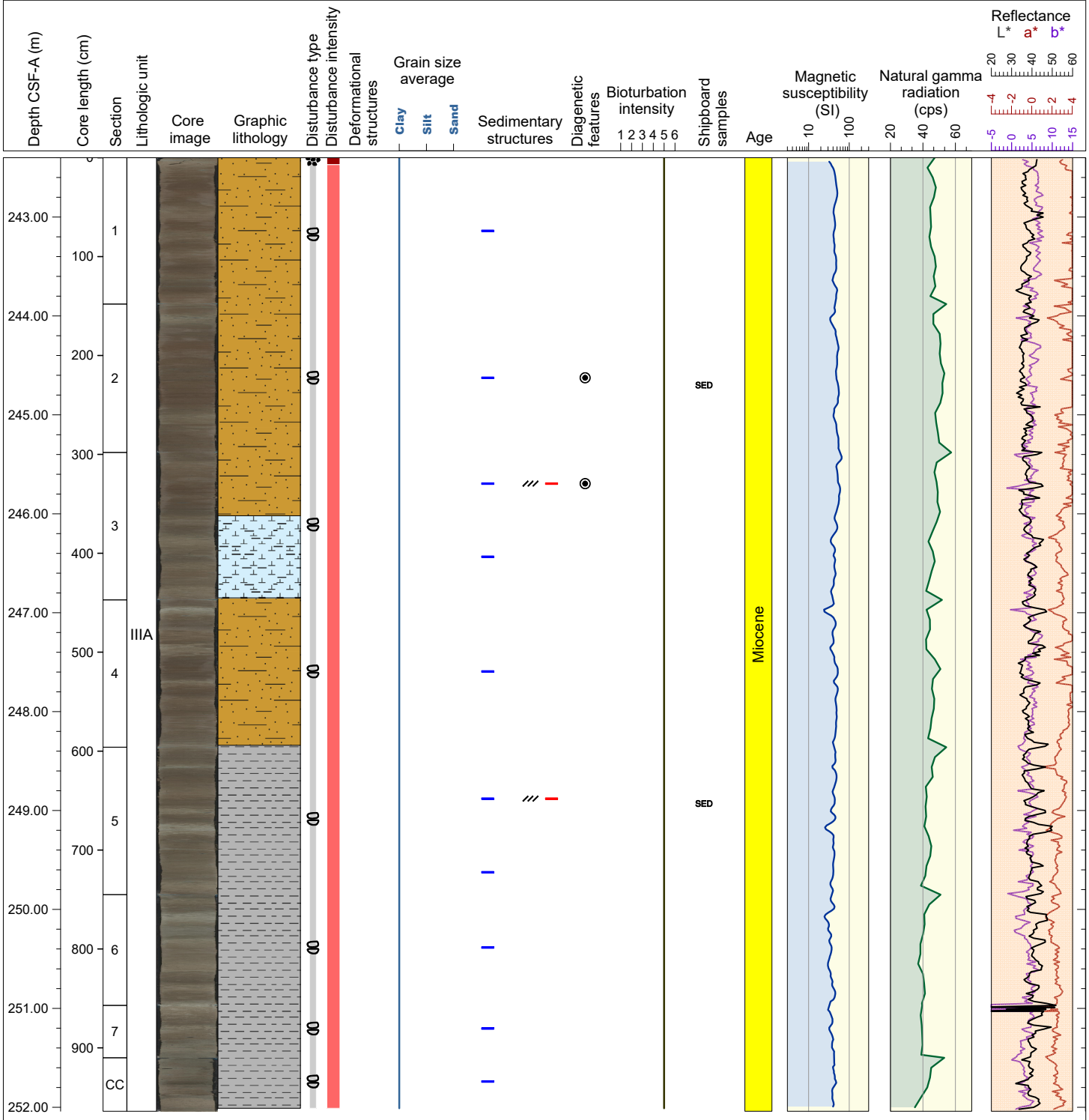
Hole 397-U1586C Core 27X, Interval 232.7-241.54 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and SILTY CLAY with NANNOFOSSIL. Alternating light and dark beds are observed throughout the core, with the silty clay presenting a reddish-brown color. The contacts between lithologies are color boundary, irregular and gradational. Color bandings and dark patches are present in most of the sections. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are observed. This core presents slight biscuiting drilling disturbance.



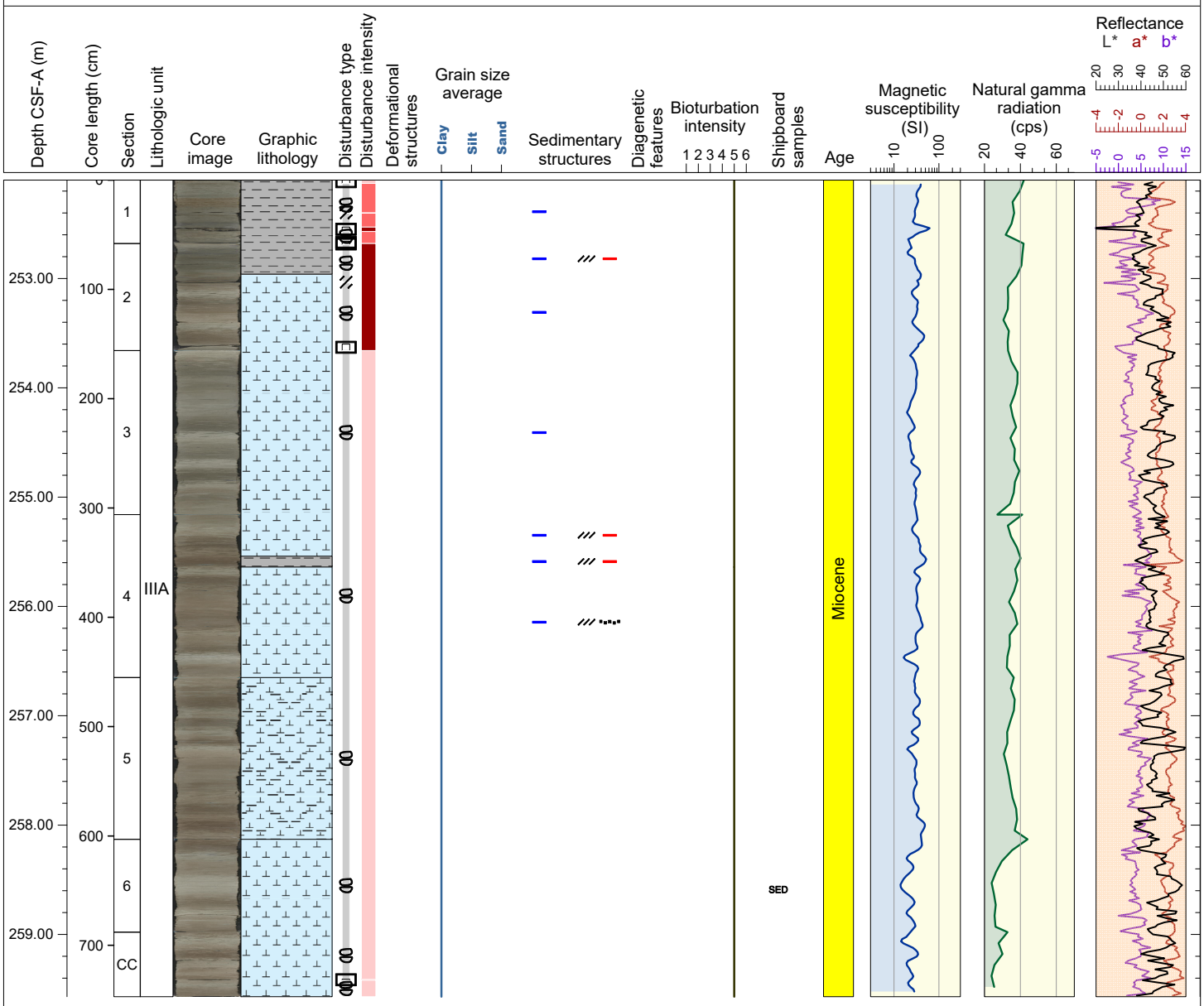
Hole 397-U1586C Core 28X, Interval 242.4-252.04 m (CSF-A)

This core is dominated by SILTY CLAY with CARBONATE and AUTHIGENIC GRAINS and CLAY with NANNOFOSSIL. Alternating light and dark beds are observed throughout the core, with the silty clay presenting a reddish-brown color. The contacts between lithologies are color boundary, irregular and gradational. Color bandings and dark patches are present in most of the sections. A nodule is observed in Section 2 at 66 cm. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are observed. This core presents moderate biscuiting drilling disturbance.



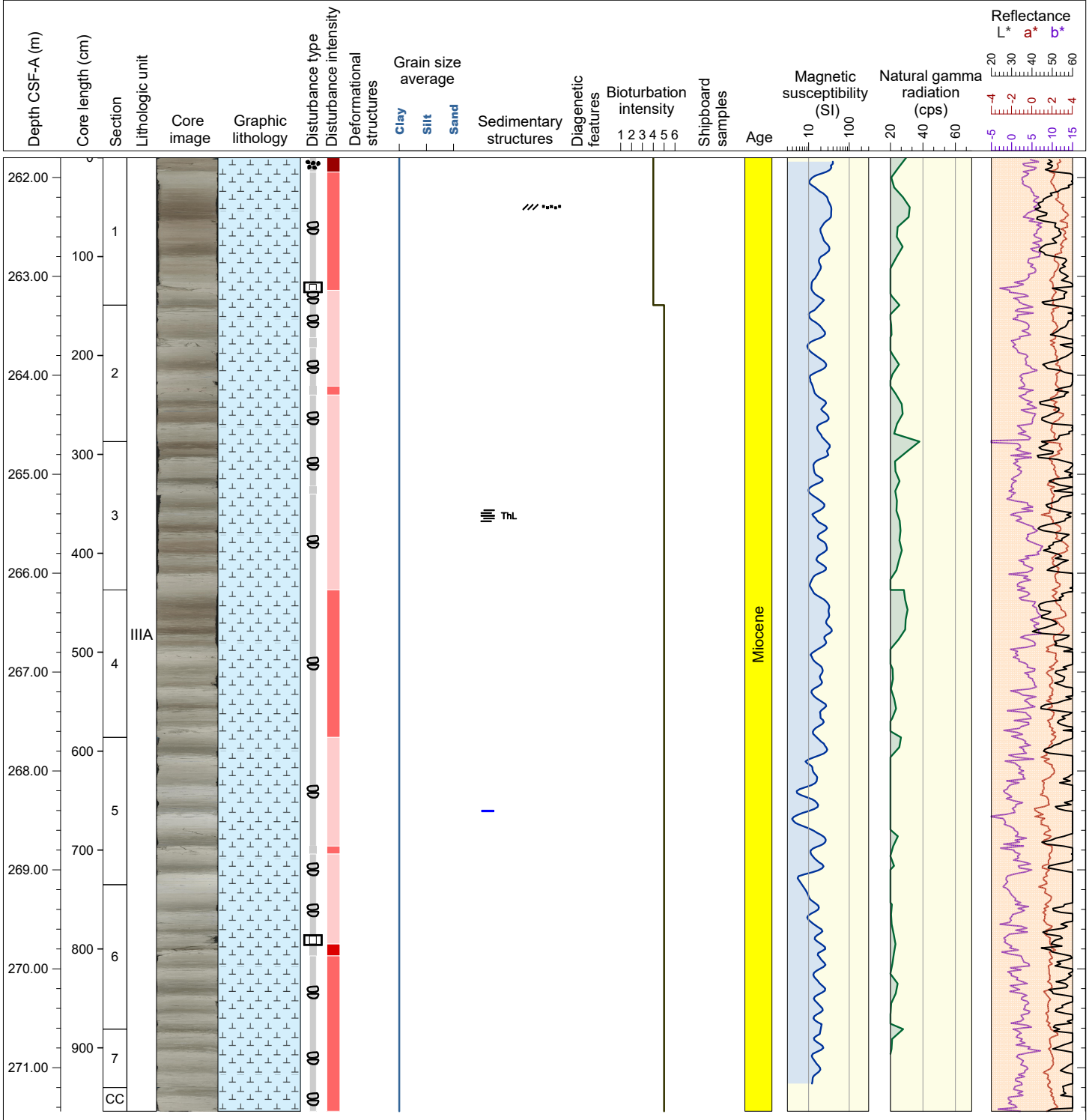
Hole 397-U1586C Core 29X, Interval 252.1-259.57 m (CSF-A)

The core is dominated by CLAY with NANNOFOSSILS and NANNOFOSSIL CLAY, with small bands of SILTY CLAY and NANNOFOSSIL OOZE. Alternating white and brown beds are observed throughout the core, with the silty clay presenting a reddish-brown color. The contacts between lithologies are color boundary, irregular and gradational. Color bandings and dark patches are present in most of the sections. A 10 cm brown oxidized layer is present in Section 1. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are observed. Voids created slight to moderate disturbance in sections 1, 2 and the CC. Slight to moderate biscuiting drilling disturbance was present throughout the rest of the core.



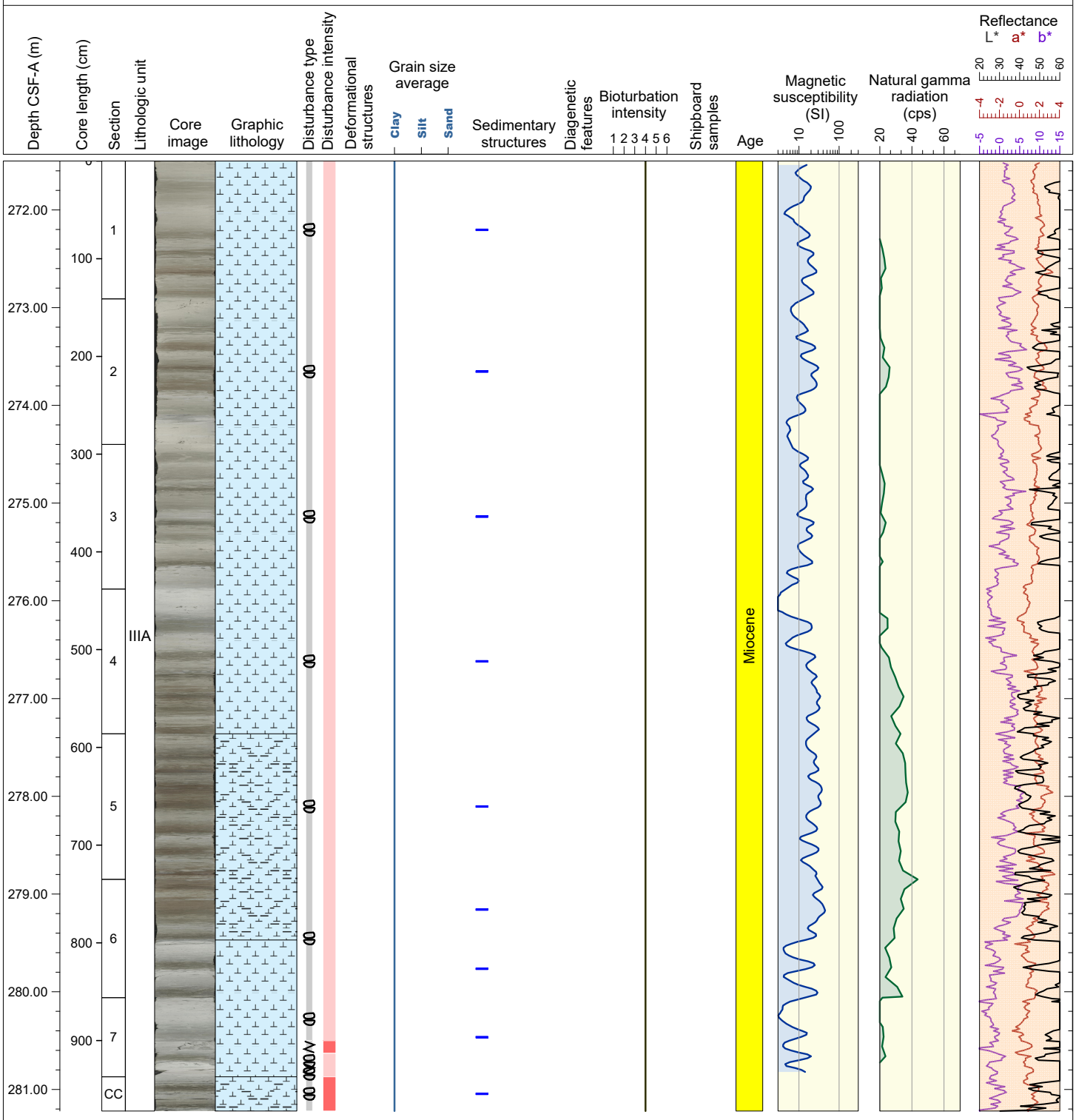
Hole 397-U1586C Core 30X, Interval 261.8-271.44 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE WITH CLAY and NANNOFOSSIL OOZE and thin, 10cm, bands of NANNOFOSSIL CLAY and SILTY CLAY. Alternating white and brown beds are observed throughout the core, with the silty clay presenting a reddish-brown color. Minor color banding and thin laminations are present in Section 3 and 5. Black patches are present in Section 1. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are observed. Fall-in severely disturbed the top 14.5 cm of hole A. Voids created slight to moderate disturbance in sections 1 and 6. Slight to moderate biscuiting drilling disturbance was present throughout the rest of the core.



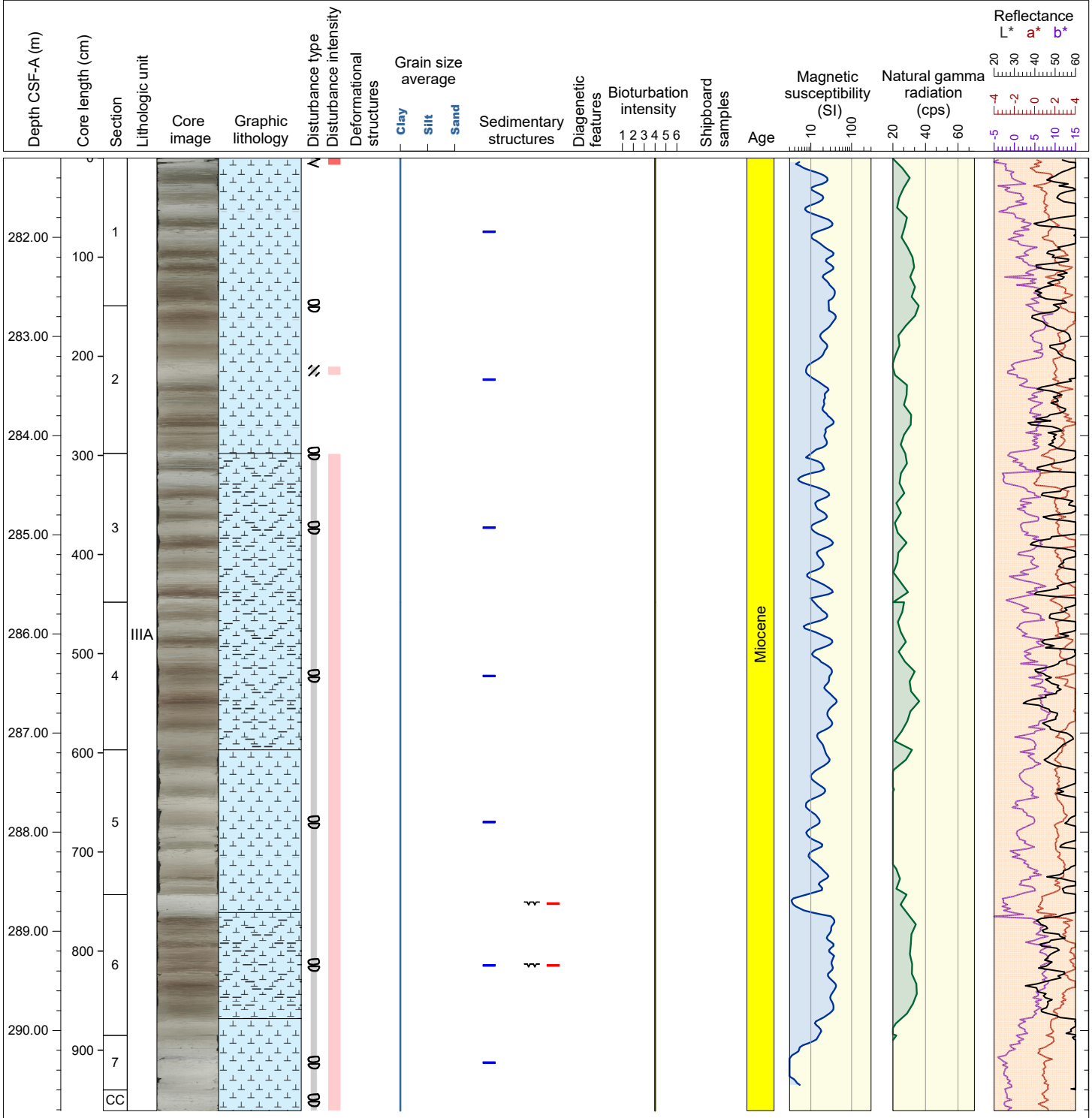
Hole 397-U1586C Core 31X, Interval 271.5-281.22 m (CSF-A)

The core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY and thin, 10cm, bands of NANNOFOSSIL CLAY and SILTY CLAY. Alternating white and brown beds are observed throughout the core, with the silty clay presenting a reddish-brown color. Color banding is present throughout the core. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are observed. Section 7 is slightly disturbed by fragmenting between 73 and 75cm, slight to moderate biscuiting drilling disturbance is present throughout the rest of the core.



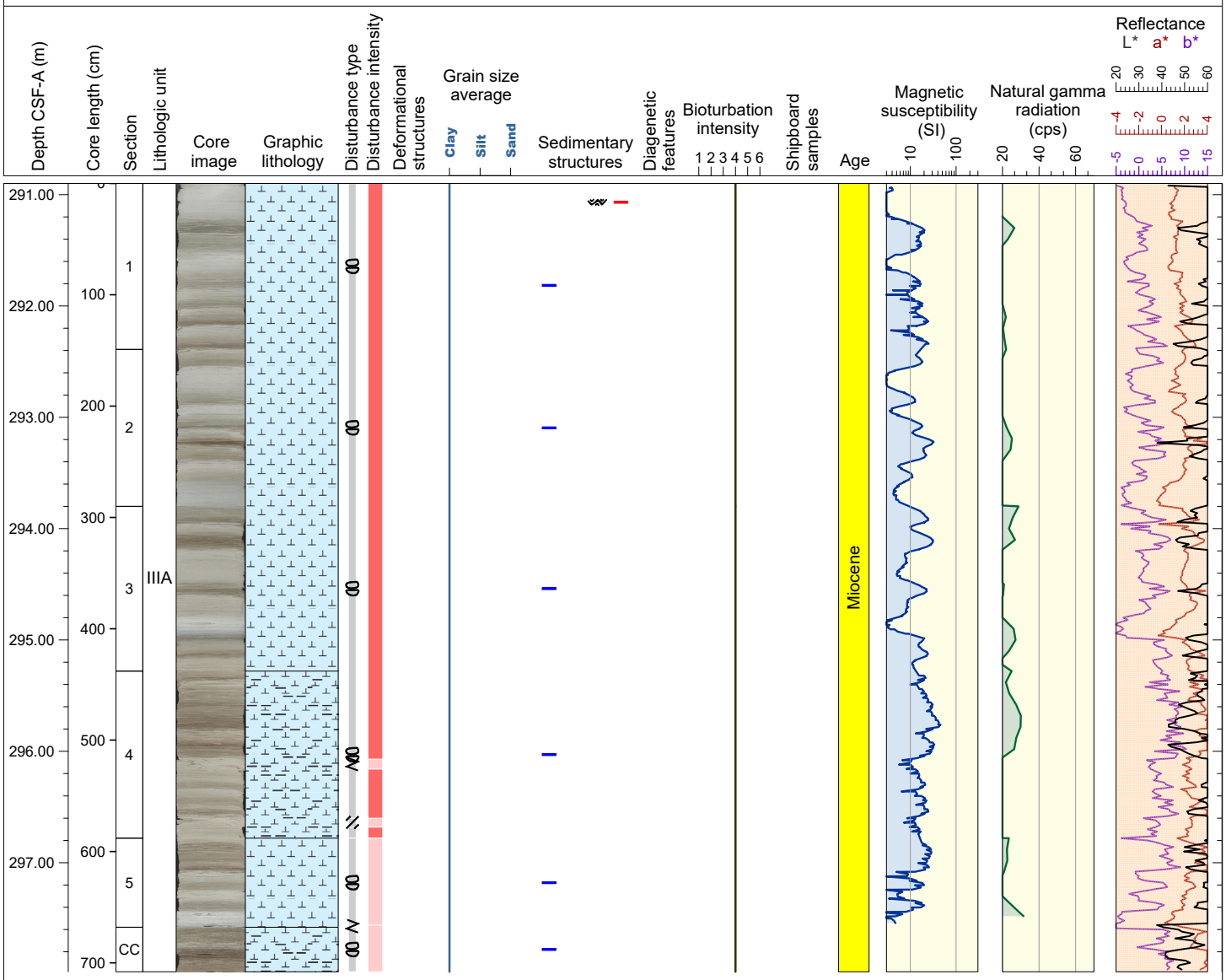
Hole 397-U1586C Core 32X, Interval 281.2-290.81 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. Color banding is present throughout most of the core and two sharp boundaries between lithologies are found in Section 6 at 18 cm and 125 cm. There is a layer full of pyrite in Section 7 at 23-24 cm. Bioturbation is moderate and trace fossils such as chondrites, planolites, and zoophycos are commonly observed. The first 7 cm of the core are moderately fragmented and the rest of the core presents slight biscuiting drilling disturbance. A crack is present in Section 2 at 61-70 cm.



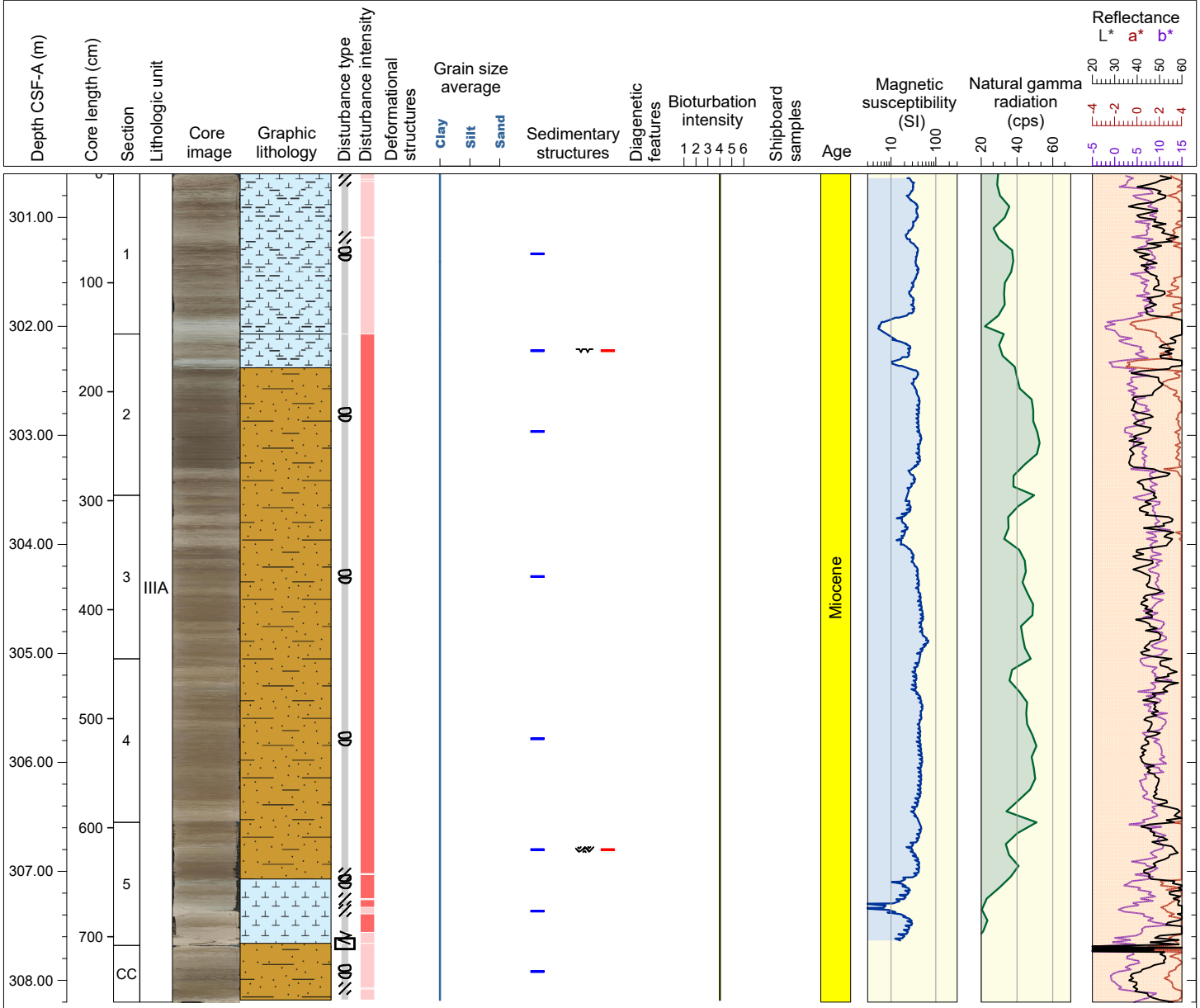
Hole 397-U1586C Core 33X, Interval 290.9-297.98 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with varying amounts of clay. Below a straight sharp to gradational color boundary in Section 1 at 34 cm, color banding is found throughout. Bioturbation is moderate and trace fossils such as chondrites, planolites, and zoophycos are commonly observed. Sections 1 to 4 present a moderate and sections 5 to the base a slight biscuiting drilling disturbance, respectively. Section 4 at 79-88 cm is slightly fragmented and a crack is present at 132-140 cm.



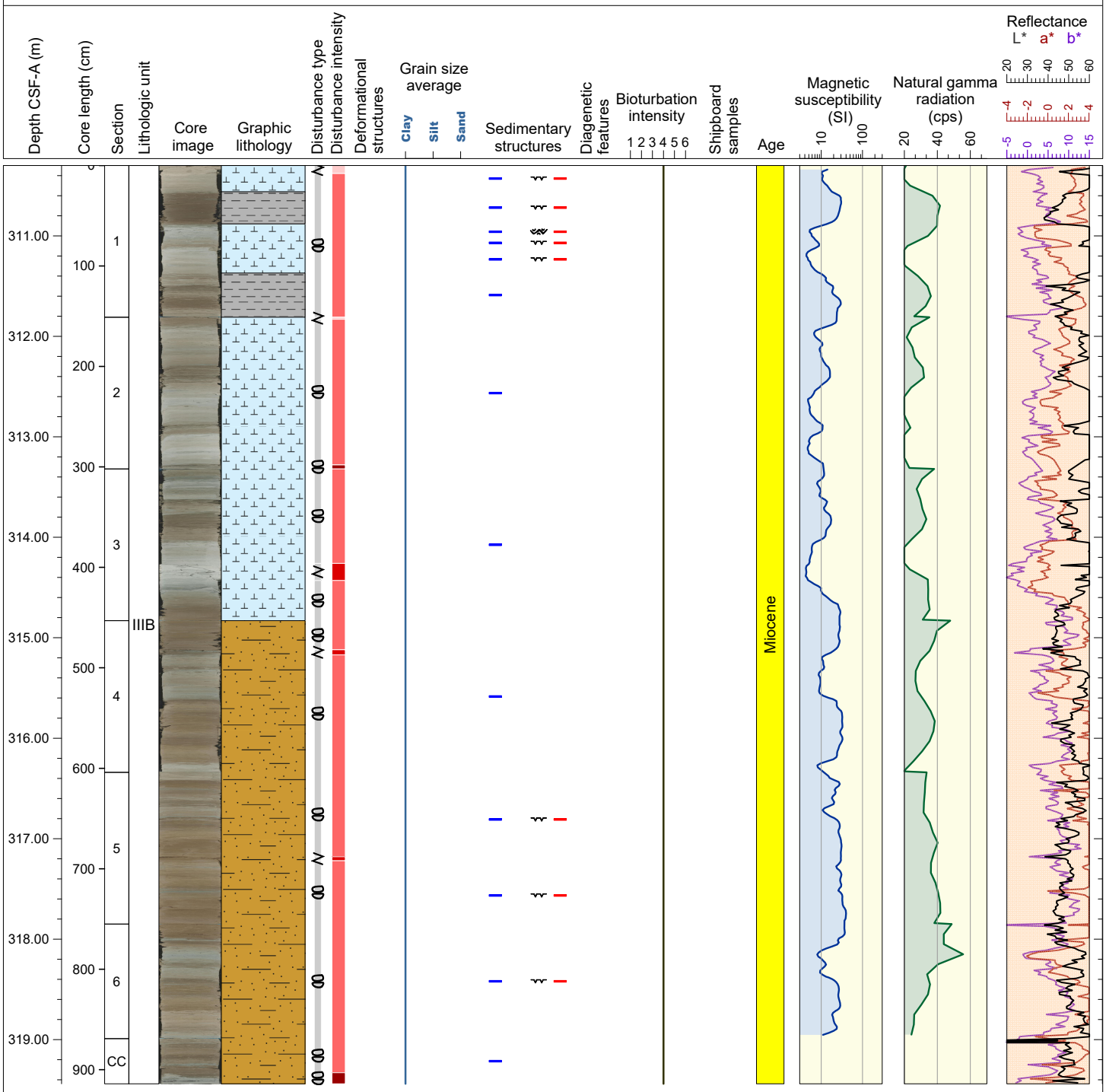
Hole 397-U1586C Core 34X, Interval 300.6-308.2 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE and SILTY CLAY, the latter being reddish-brown. Color banding is found throughout and two sharp straight color boundaries are present in Section 2 at 31 cm and Section 5 at 54 cm. Bioturbation is moderate and trace fossils such as chondrites, planolites, and zoophycos are commonly observed. The core presents slight to moderate biscuiting drilling disturbance. Several cracks are found throughout and Section 5 at 103-113 cm is slightly fragmented.



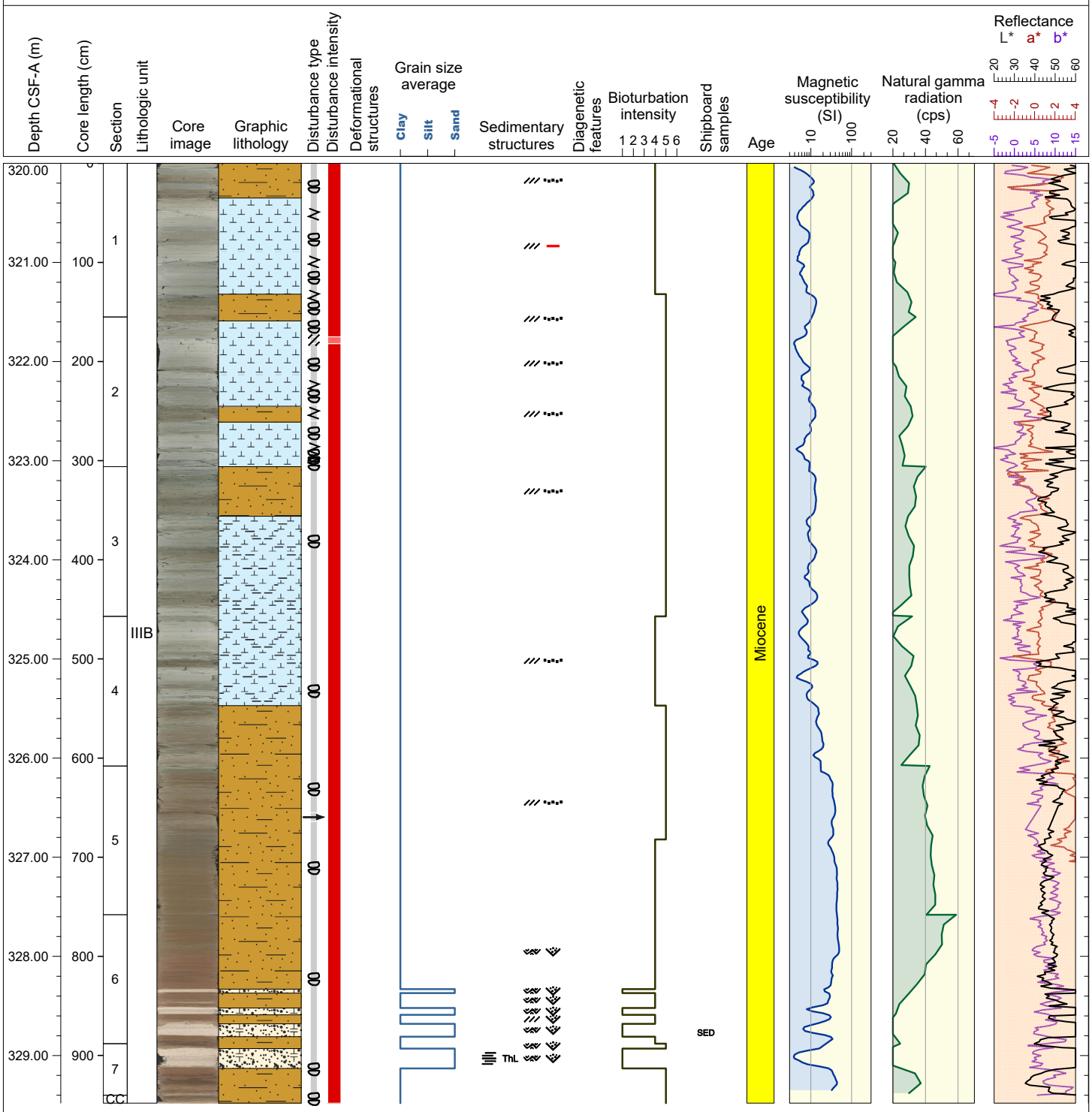
Hole 397-U1586C Core 35X, Interval 310.3-319.44 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and SILTY CLAY (WITH SAND). Inside the silty clay intervals, several sand layers (few cm thick) are present. Color banding is found throughout the core and the boundaries between lithologies are straight and sharp. Bioturbation is moderate and trace fossils such as chondrites, planolites, and zoophycos are commonly observed. The core presents moderate biscuiting drilling disturbance. In addition, several intervals are strongly fragmented and several cracks are found.



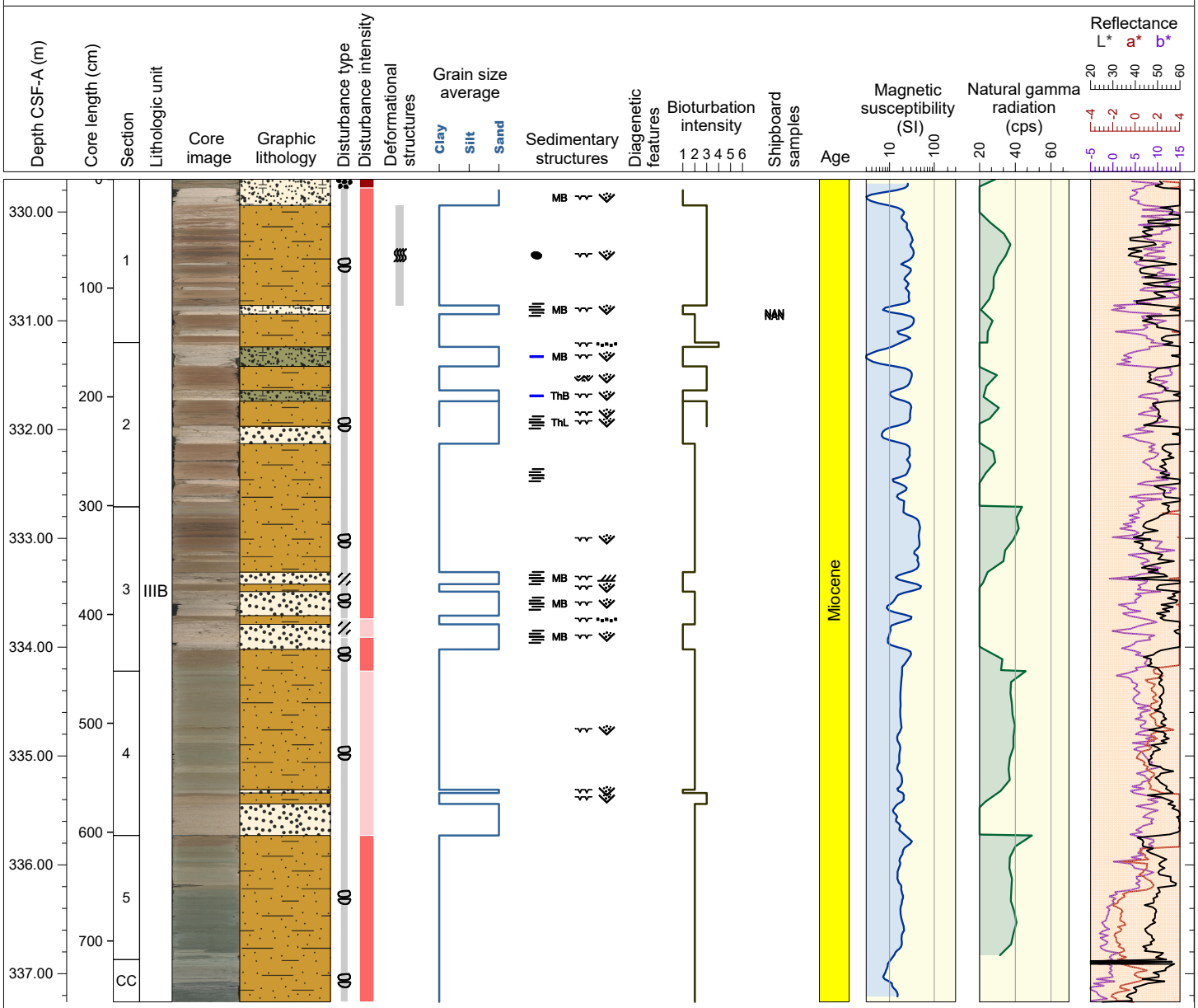
Hole 397-U1586C Core 36X, Interval 320.0-329.48 m (CSF-A)

Sections 1 through 5 are dominated by NANNOFOSSIL OOZE (WITH CLAY) and SILTY CLAY. Boundaries between contacts in sections 1 through 5 are bioturbated, irregular, and gradational and bioturbation is heavy to moderate throughout, with trace fossils such as chondrites, planolites, and zoophycos commonly observed. Sections 6 through CC consist of CLACAREOUS SAND and SILTY CLAY. Boundaries between contacts in sections 6 through CC are defined by grain size, are straight to irregular, and are sharp to gradational. Thin laminations in sand layers are observed in section 7. Moderate to heavy bioturbation is observed in the silty clay intervals, while no bioturbation is observed in calcareous sand intervals. The core presents strong biscuiting drilling disturbance throughout. Several intervals are strongly fragmented and several cracks are found. The sediment is strongly disturbed by core extension in section 5 at 47-56 cm.



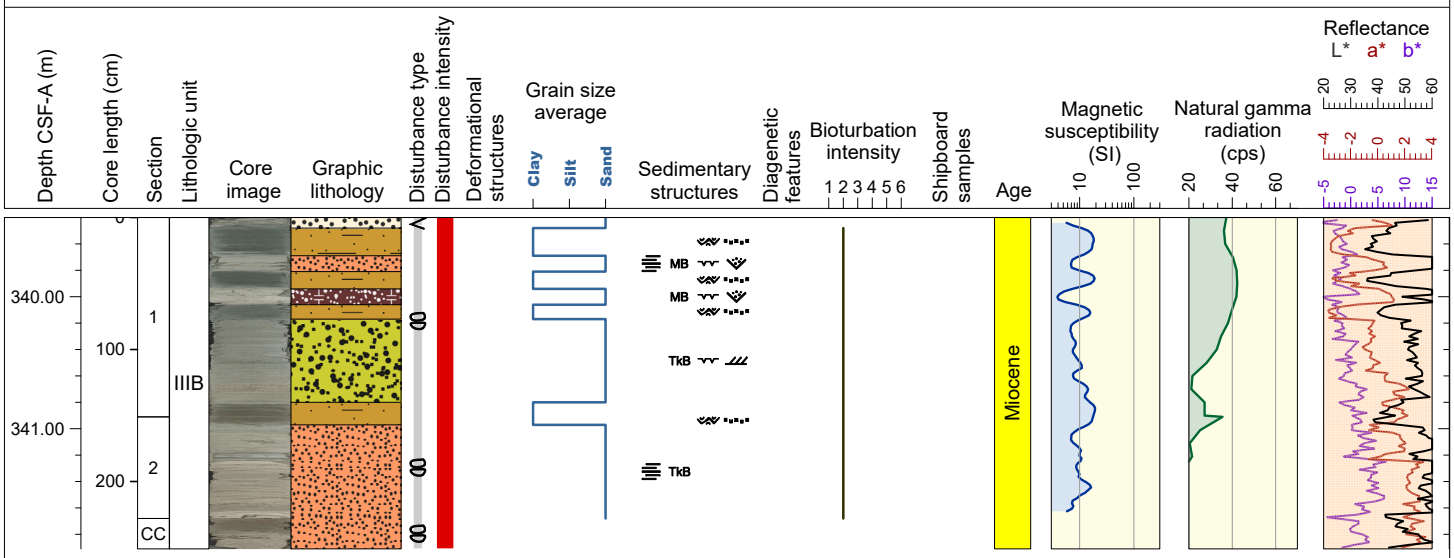
Hole 397-U1586C Core 37X, Interval 329.7-337.26 m (CSF-A)

This core is dominated by SILTY CLAY and MEDIUM SAND



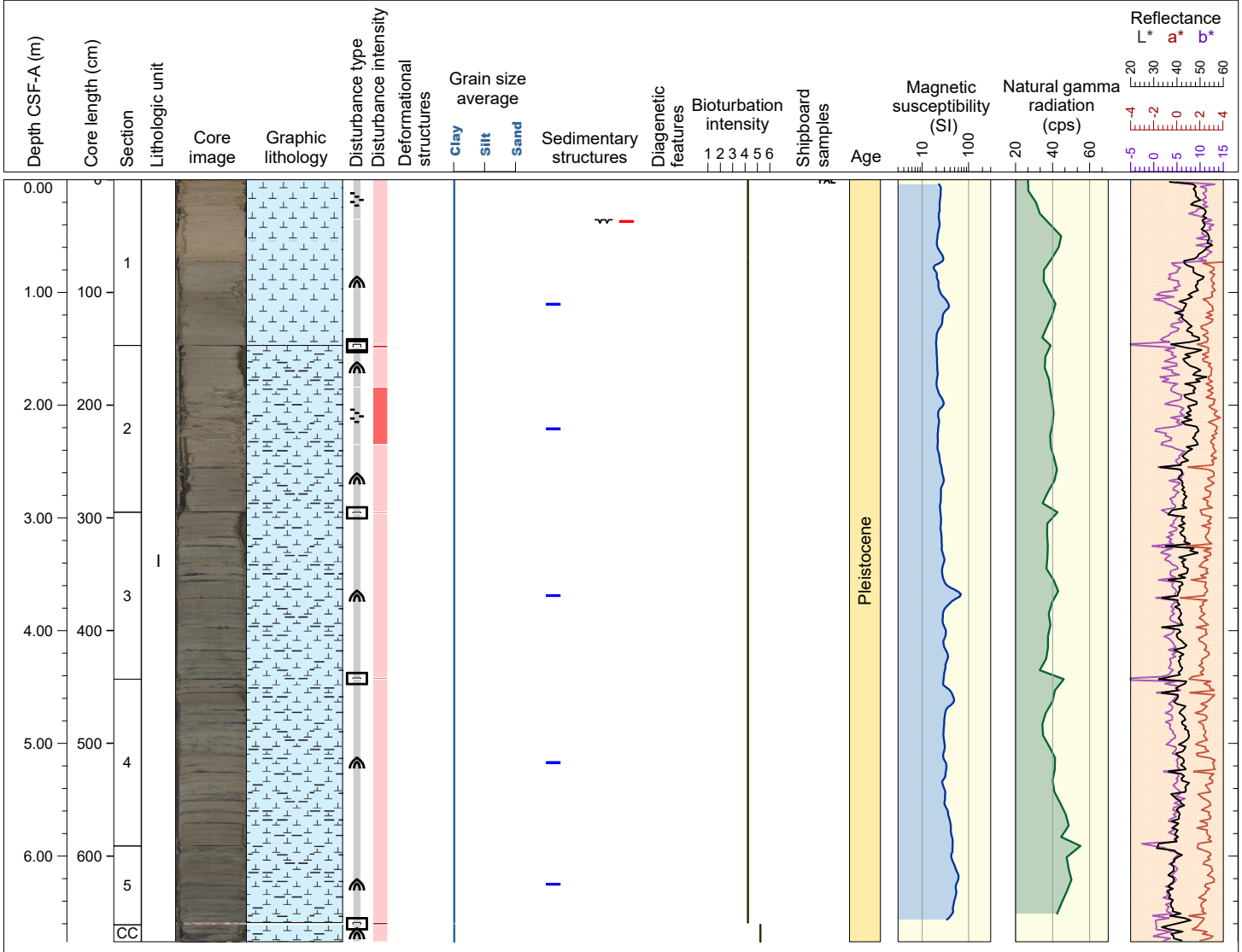
Hole 397-U1586C Core 38X, Interval 339.4-341.91 m (CSF-A)

This core is dominated by SAND and SILTY CLAY



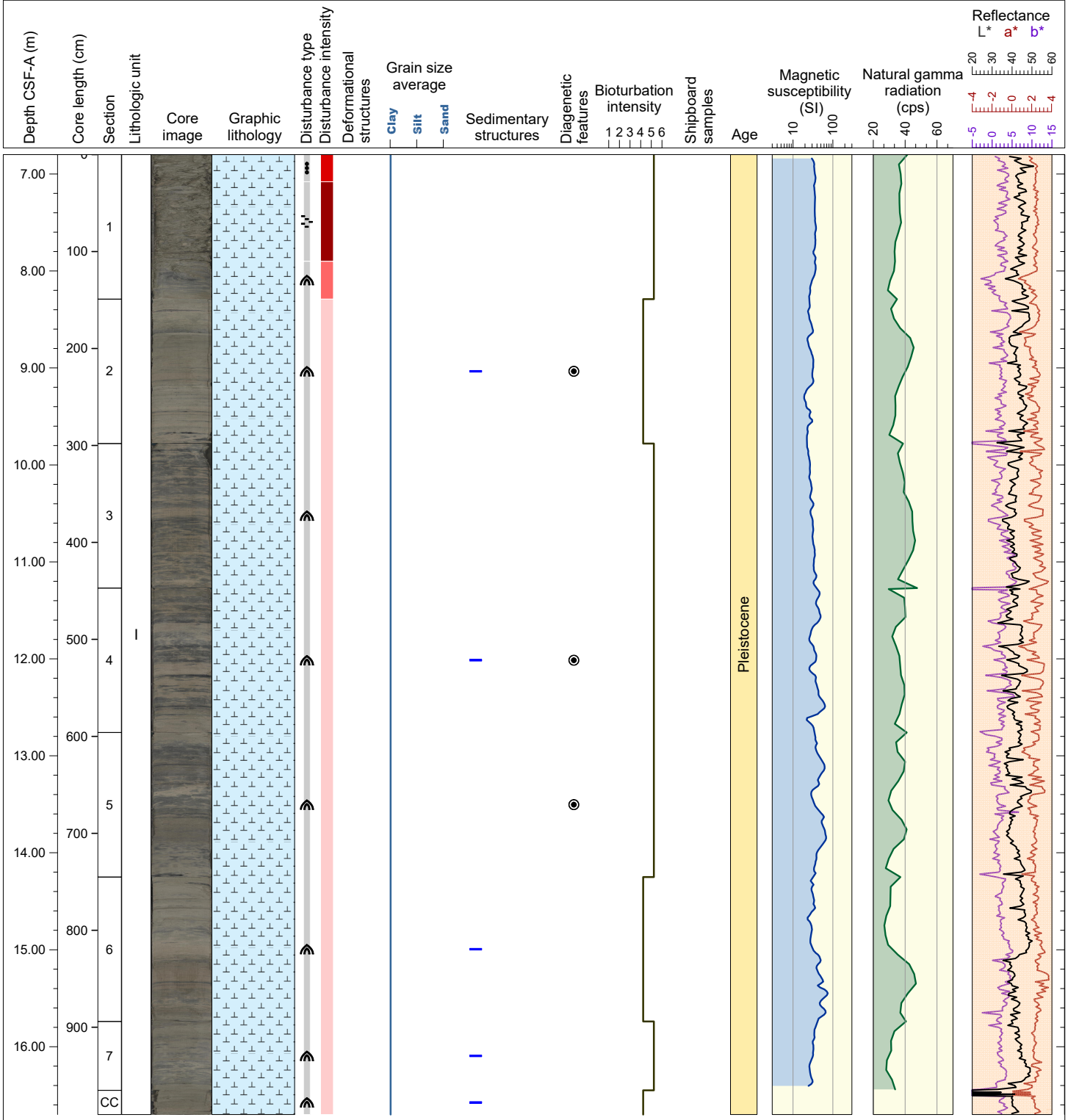
Hole 397-U1586D Core 1H, Interval 0.0-6.76 m (CSF-A)

This core consists of NANNOFOSSIL OOZE with varying amounts of clay. The contact between lithologies is color boundary, straight and sharp. Dark patches and layers throughout the core are observed. A manganese layer is present in Section 1 at 72 cm. Bioturbation is moderate to heavy. Most of the core presents slight up-arching drilling disturbance.



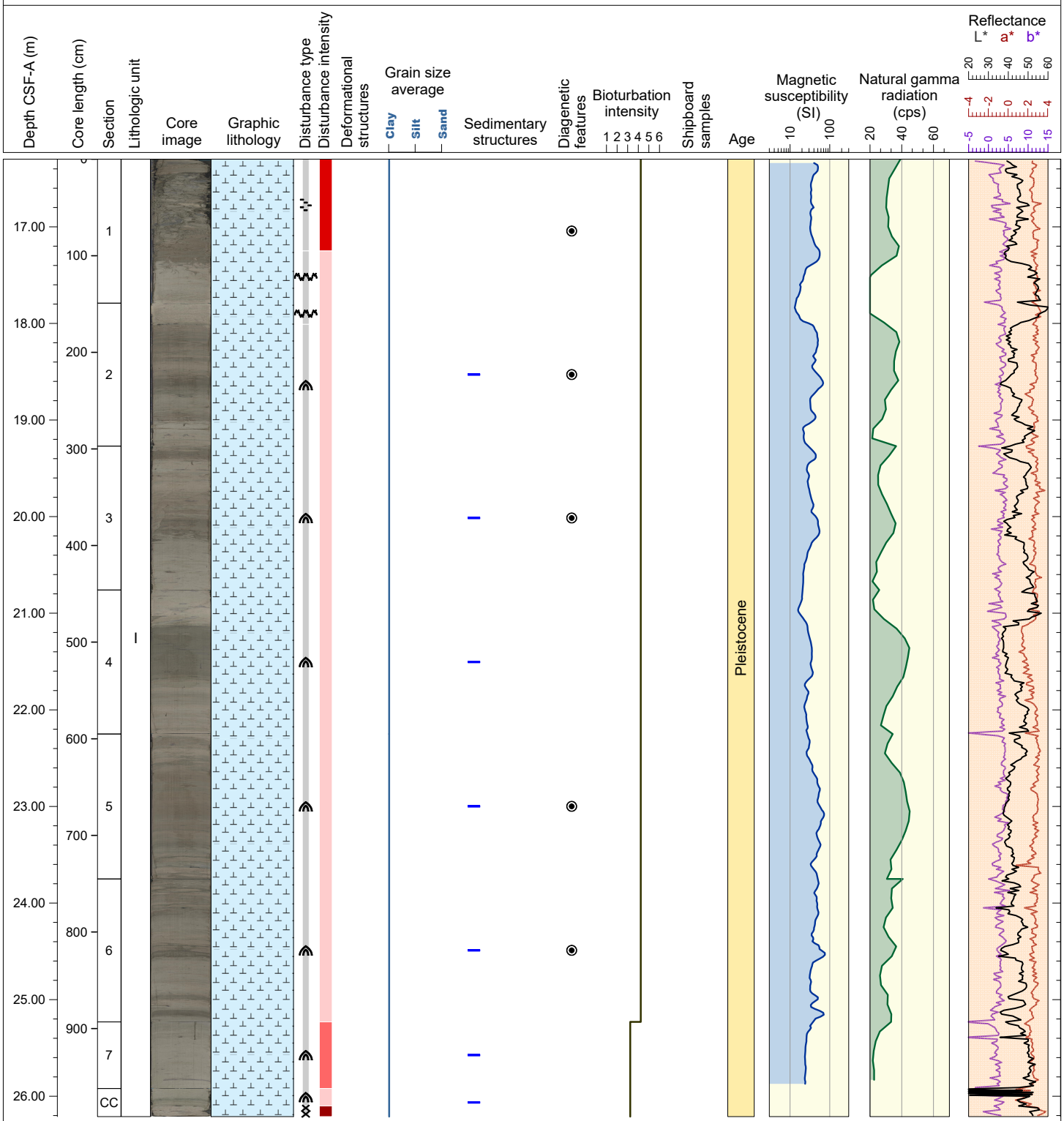
Hole 397-U1586D Core 2H, Interval 6.8-16.7 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NAANOFOSSIL OOZE WITH CLAY. The sediments show color banding and dark patches throughout. Nodules are found in Section 2, 4 and 5. Bioturbation is moderate to heavy. Section 1 and Section 2 up to 110 cm are strongly to severely disturbed by drilling and are in a slurry to soupy condition. The rest of the core presents slight to moderate up-arching drilling disturbance.



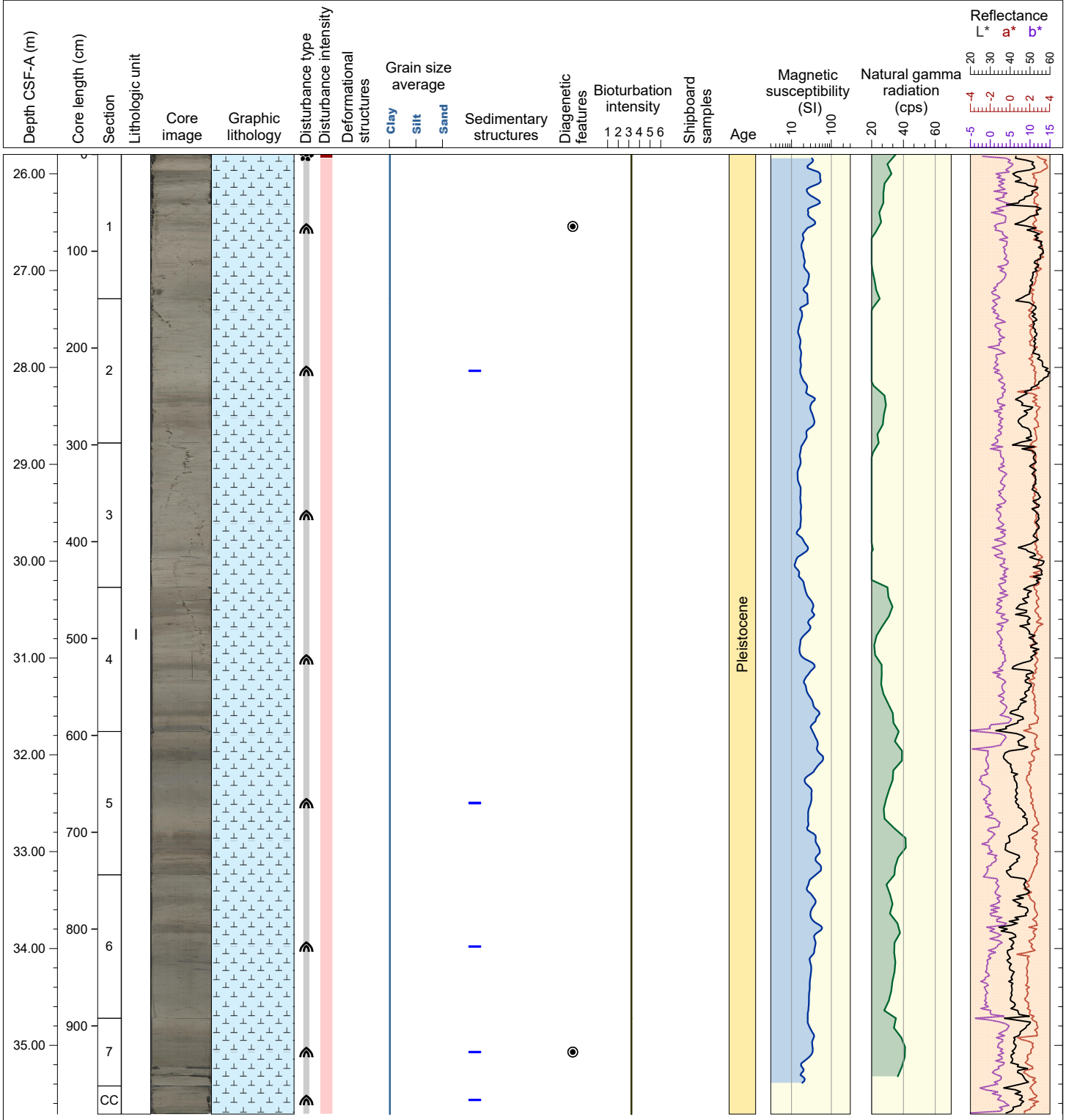
Hole 397-U1586D Core 3H, Interval 16.3-26.21 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. There is color banding throughout and dark patches and nodules are observed in most of the sections. The contacts between lithologies are color boundaries, irregular and gradational. Bioturbation is slight to moderate. The first section of the core presents strong slurry drilling disturbance and most of the sections present slight to moderate up-arching drilling disturbance. The CC presents severe basal flow in drilling disturbance.



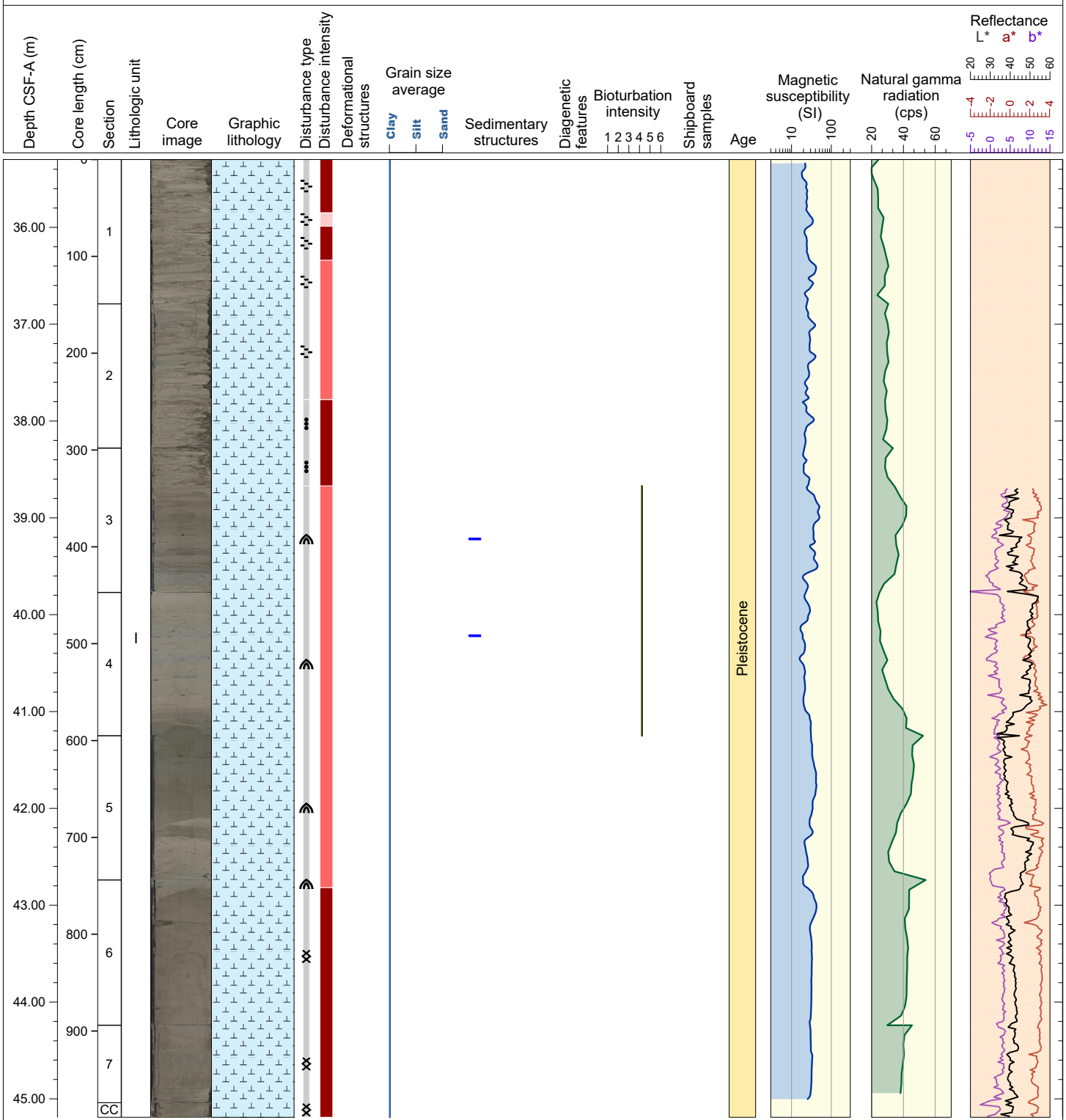
Hole 397-U1586D Core 4H, Interval 25.8-35.71 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE. Parts of the core are color banded and dark patches are observed in Sections 5, 6 and 7. Nodules are present in Section 1 at 124 cm and Section 7 at 52 cm. A dark centimeter sandy interval is present in Section 7 at 49 cm and 57 cm. The first 4 cm of the core are severely disturbed by a fall-in. The rest of the core presents slight up-arching drilling disturbance.



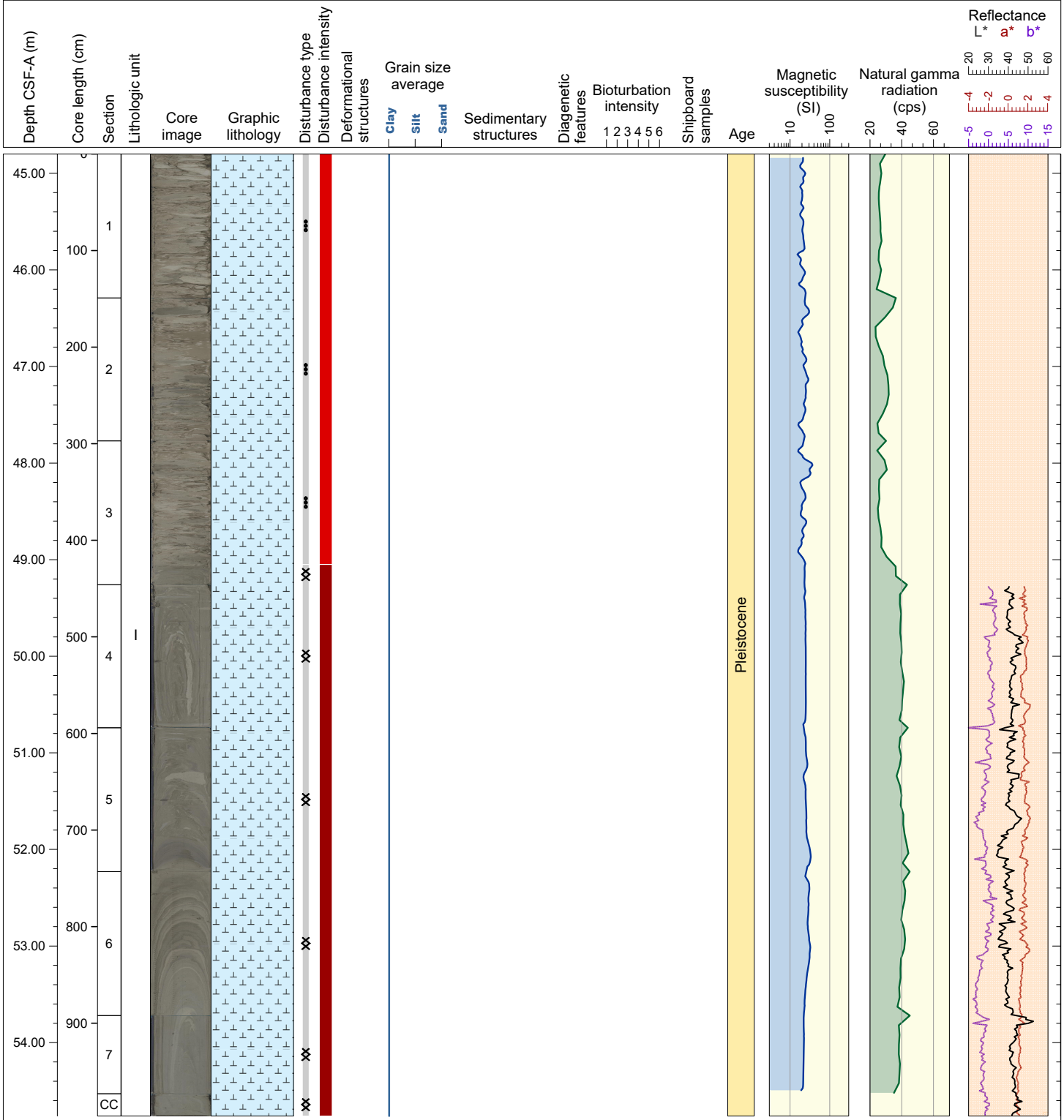
Hole 397-U1586D Core 5H, Interval 35.3-45.19 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE. There is color banding present as well as sparse dark patches. Bioturbation is moderate. Most of the core is severely disturbed, presenting slurry, soupy, up-arching and basal flow in drilling disturbance.



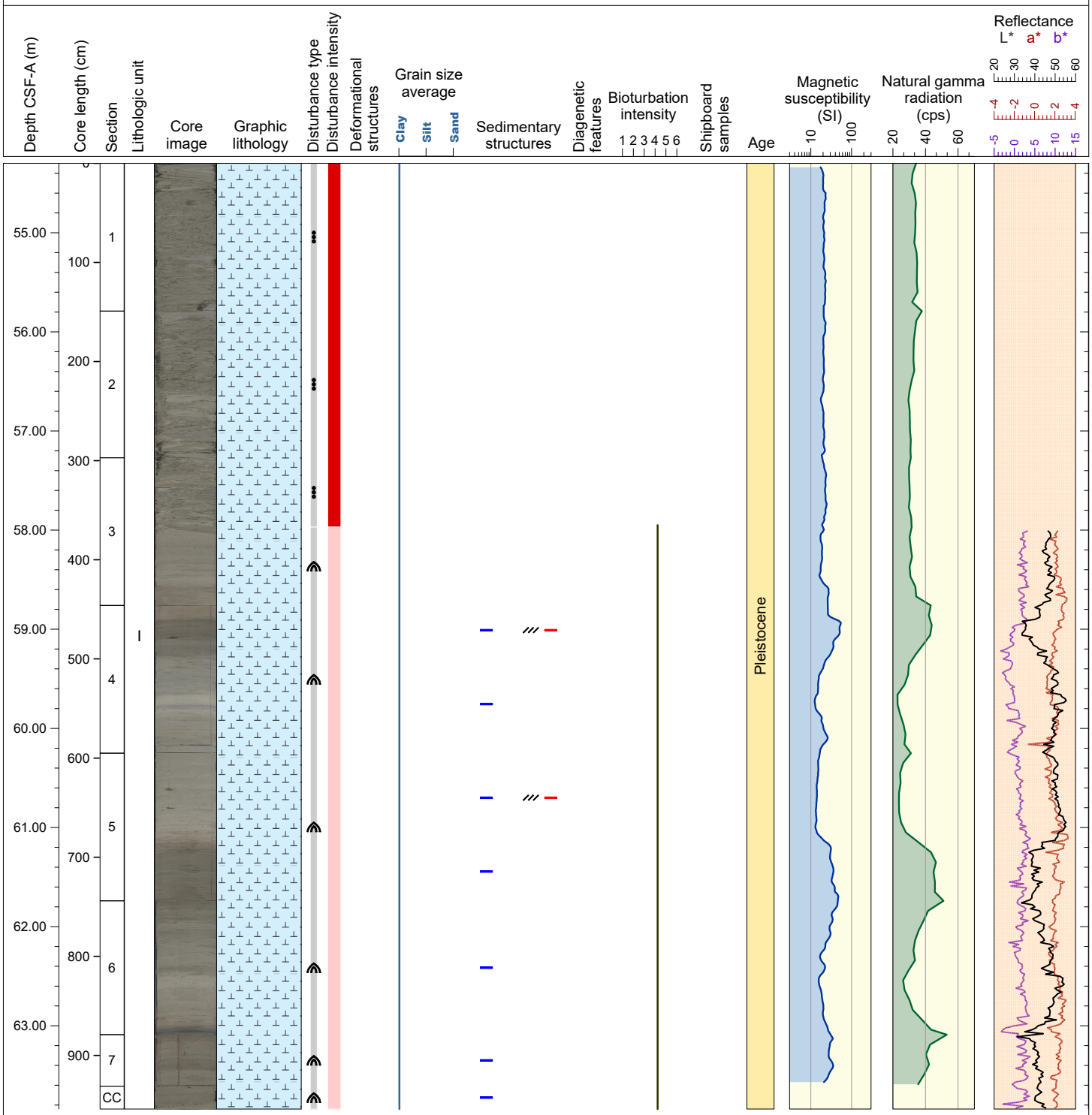
Hole 397-U1586D Core 6H, Interval 44.8-54.76 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE. There is color banding present as well as sparse dark patches. Bioturbation is moderate. Most of the core is severely disturbed, presenting slurry, soupy, up-arching and basal flow in drilling disturbance.



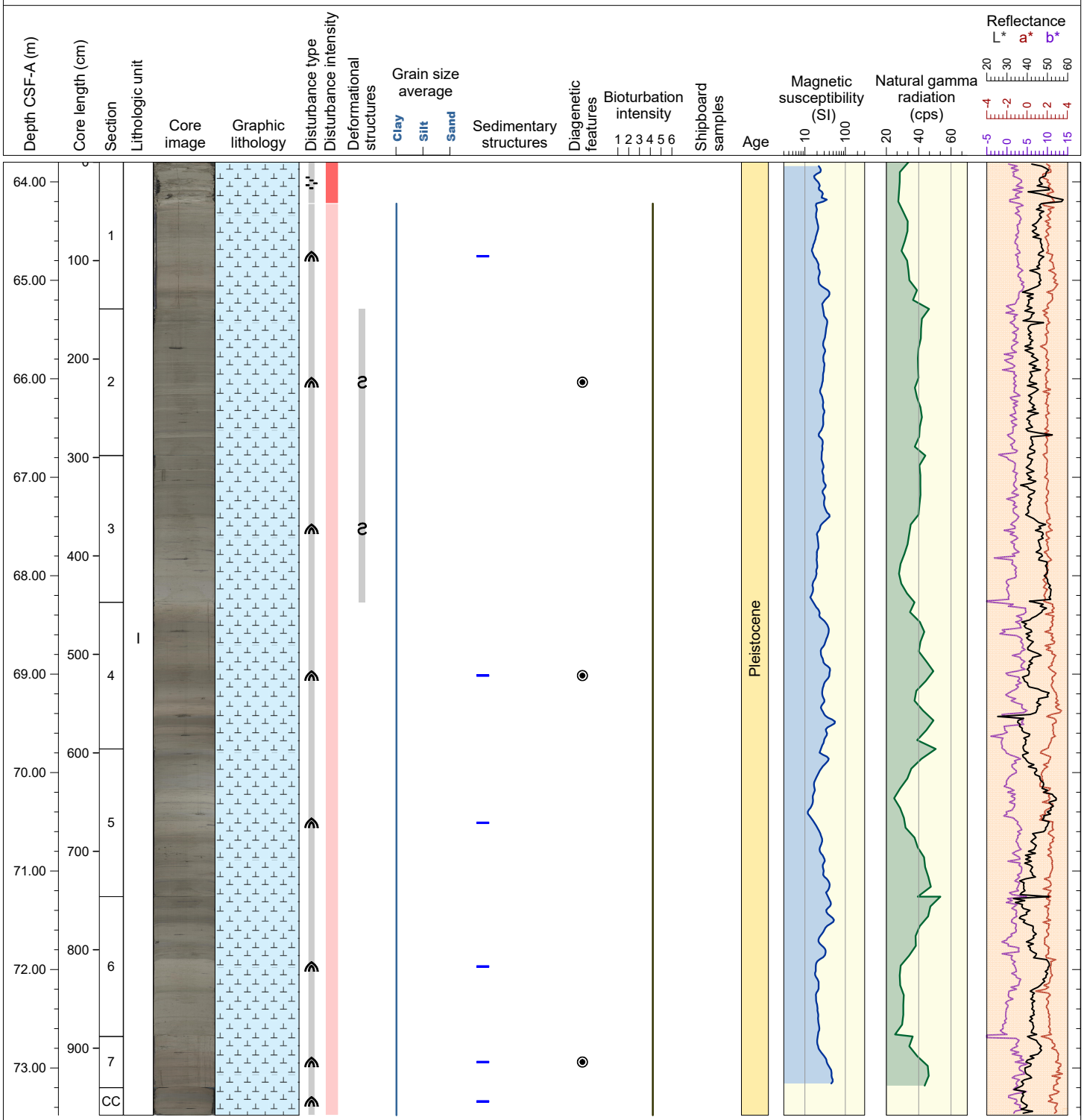
Hole 397-U1586D Core 7H, Interval 54.3-63.84 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE. There is color banding present as well as sparse dark patches. Bioturbation is moderate. Most of the core is severely disturbed, presenting slurry, soupy, up-arching and basal flow in drilling disturbance.



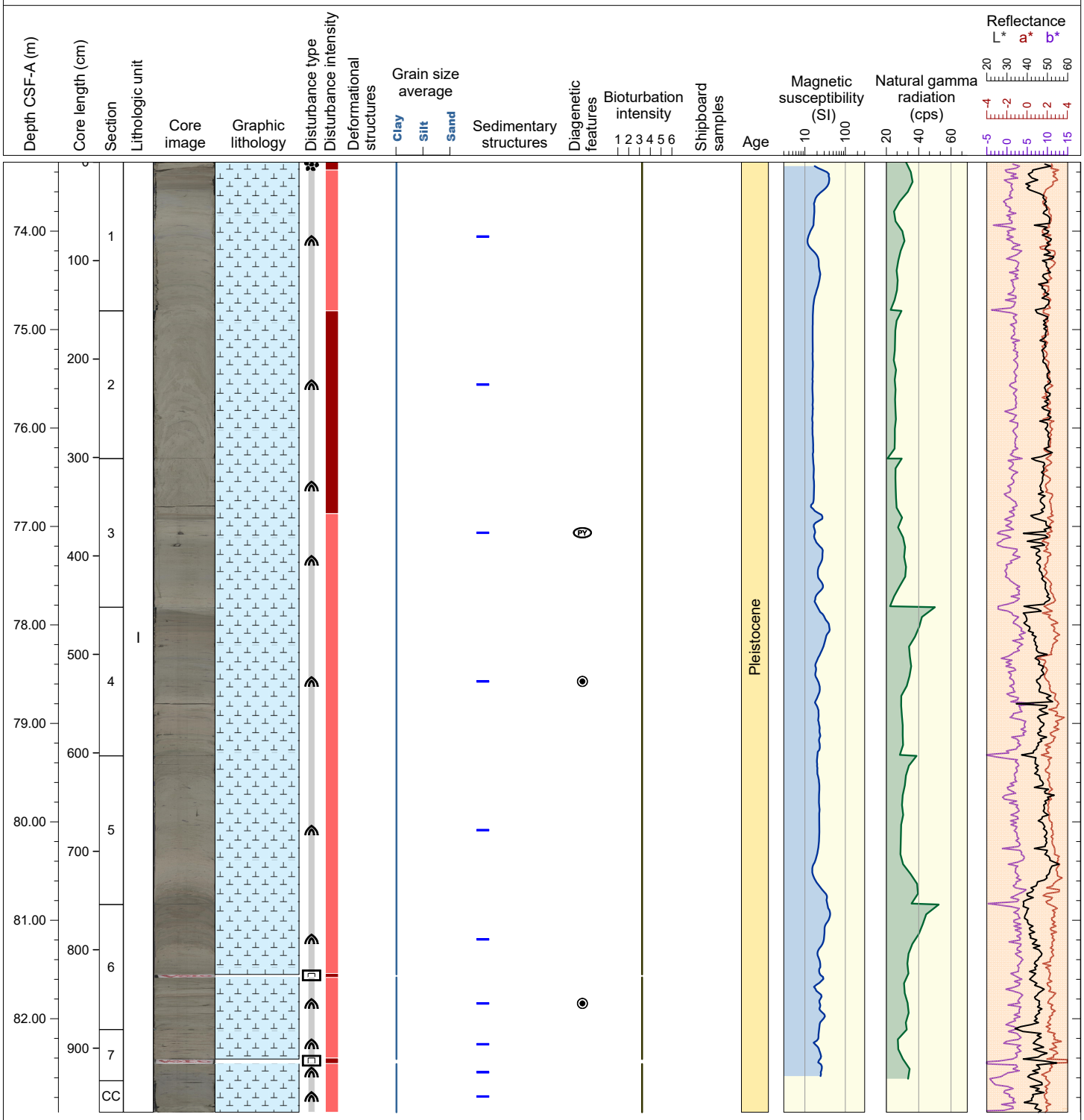
Hole 397-U1586D Core 8H, Interval 63.8-73.48 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. Foraminifers are observed in the Nannofossil ooze. The contacts between lithologies are color boundaries, irregular and gradational. There is color banding throughout and few dark patches are observed in most of the sections. Nodules are observed in Section 2, at 40 cm, 4, at 30 cm and Section 7 at 11 and 17 cm. Slump folds are observed in Section 2 and Section 3 up to 50 cm. Bioturbation is moderate throughout. The first section of the core presents moderate slurry drilling disturbance and most of the sections present slight up-arching drilling disturbance.



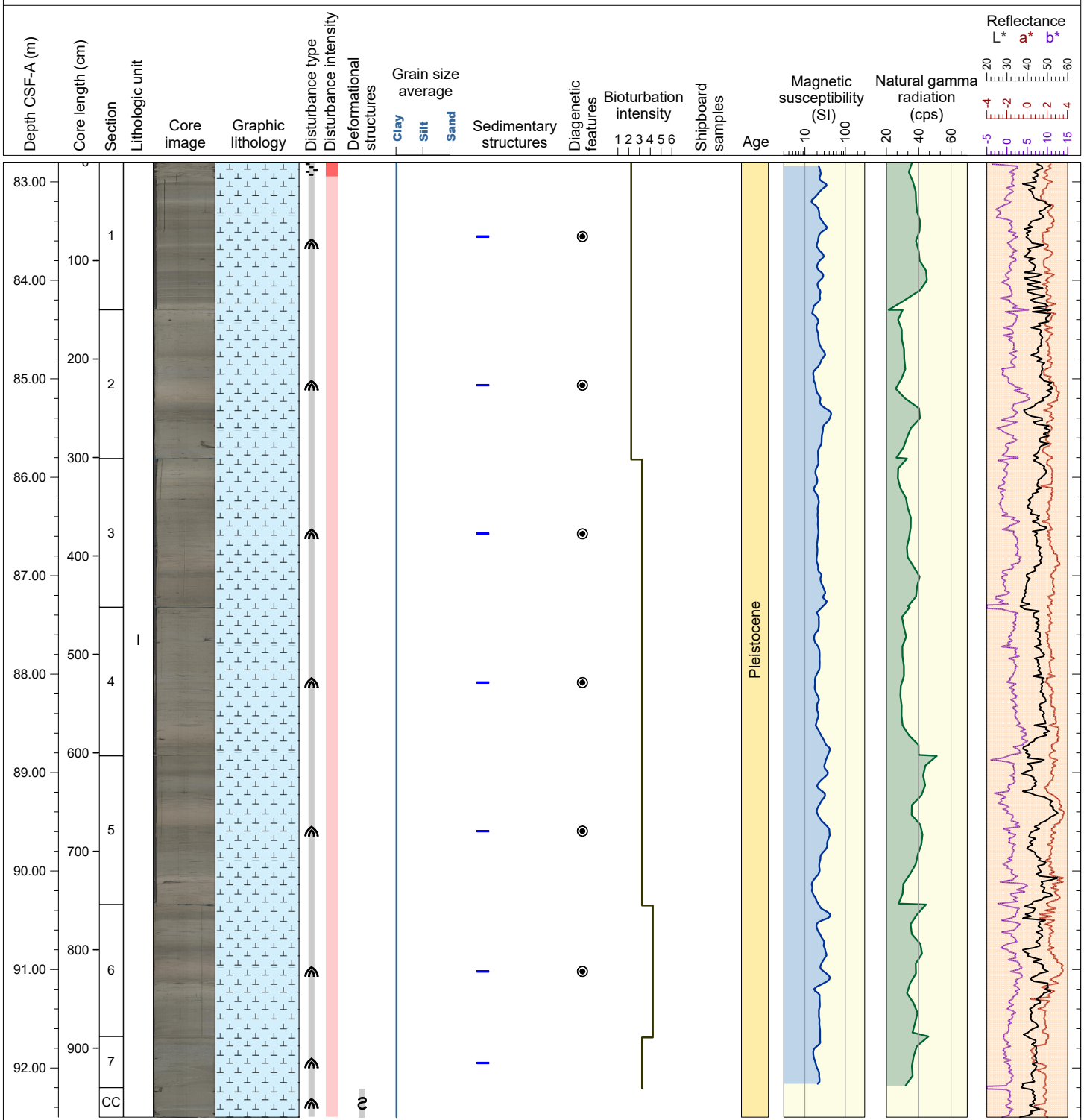
Hole 397-U1586D Core 9H, Interval 73.3-82.95 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. Foraminifers are observed in the Nannofossil ooze. There is color banding and few dark patches are observed. A pyrite nodule is observed in Section 3, at 74 cm. Bioturbation is slight. The first section of the core presents severe fall in drilling disturbance and most of the sections present moderate to severe up-arching drilling disturbance.



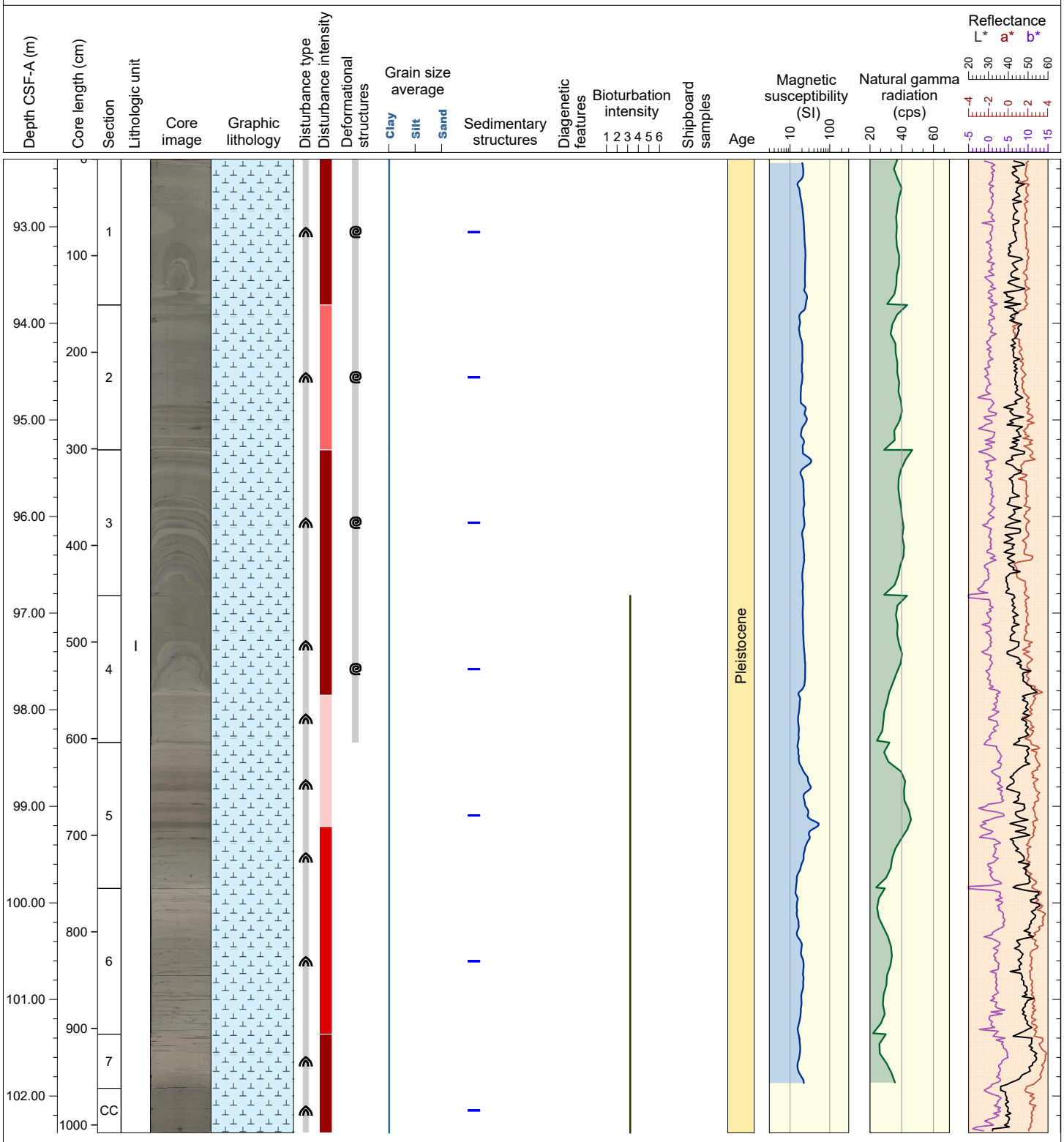
Hole 397-U1586D Core 10H, Interval 82.8-92.5 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. Foraminifers are observed in the Nannofossil ooze. There is color banding and nodules are observed throughout the core. Bioturbation is sparse to slight. Slump folds are observed in Section 7 at 29 to 52 cm and in CC up to 30 cm. The first section of the core presents moderate slurry drilling disturbance and most of the sections present slight to moderate up-arching drilling disturbance.



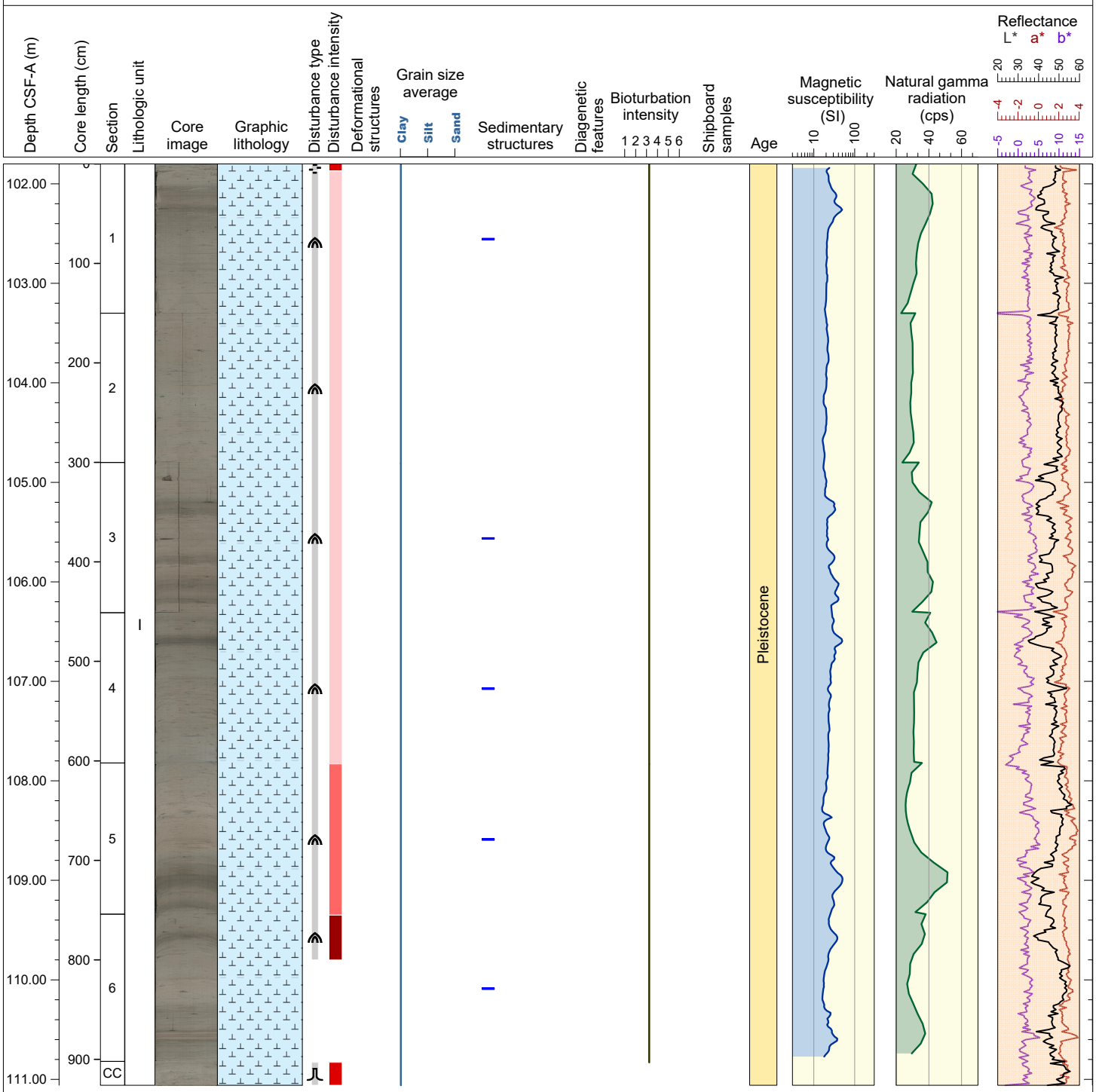
Hole 397-U1586D Core 11H, Interval 92.3-102.38 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE. Black and green color banding and dark patches are observed throughout the core. Slumped bedding is observed from the start of the core to 100 cm in section 4. Bioturbation is slight throughout. The core shows slight to severe up-arching drilling disturbance throughout.



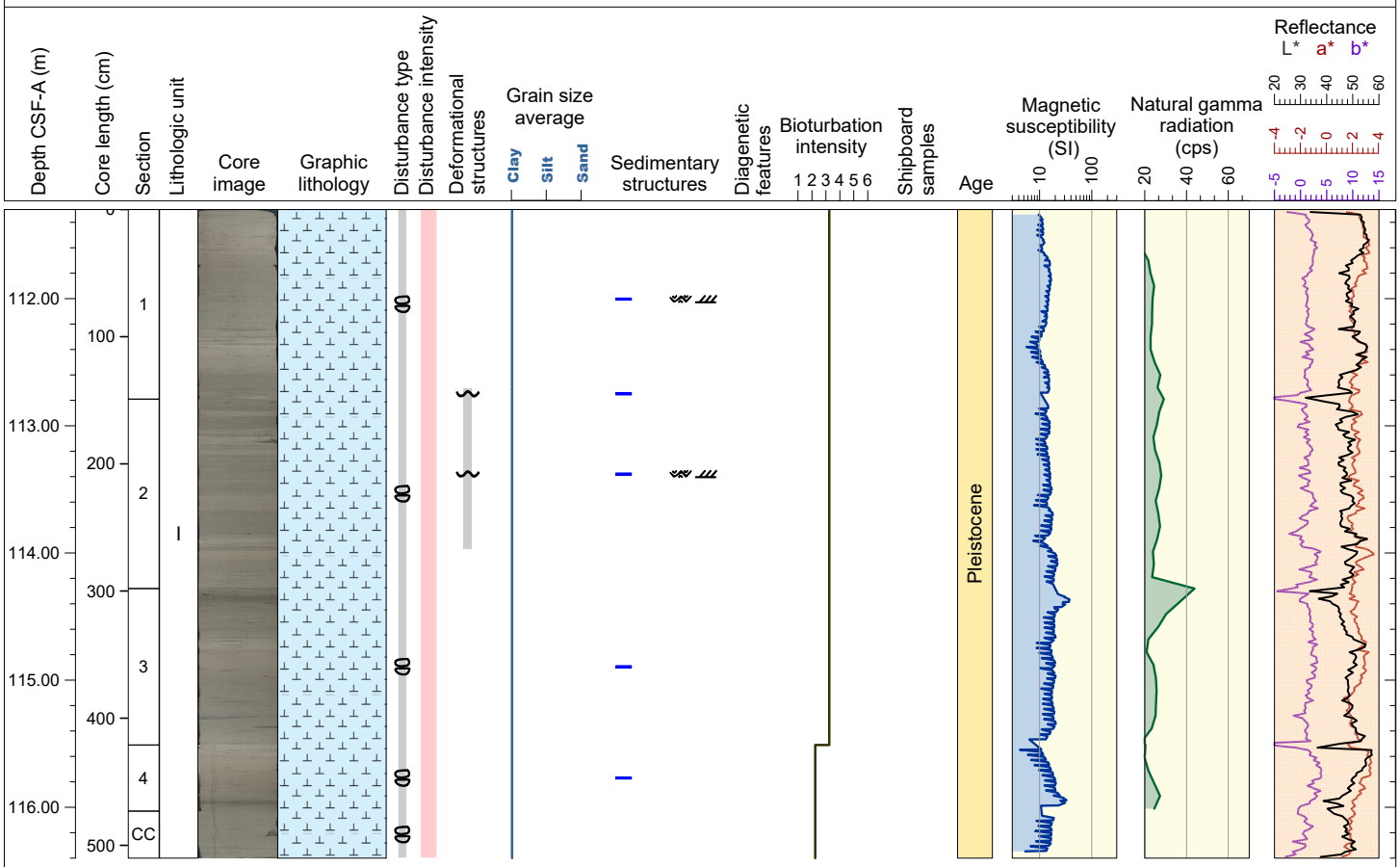
Hole 397-U1586D Core 12H, Interval 101.8-111.06 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSSIL OOZE WITH CLAY. Black and green color banding and dark patches are observed throughout the core. Bioturbation is slight throughout. The core shows slight to severe up-arching drilling disturbance throughout.



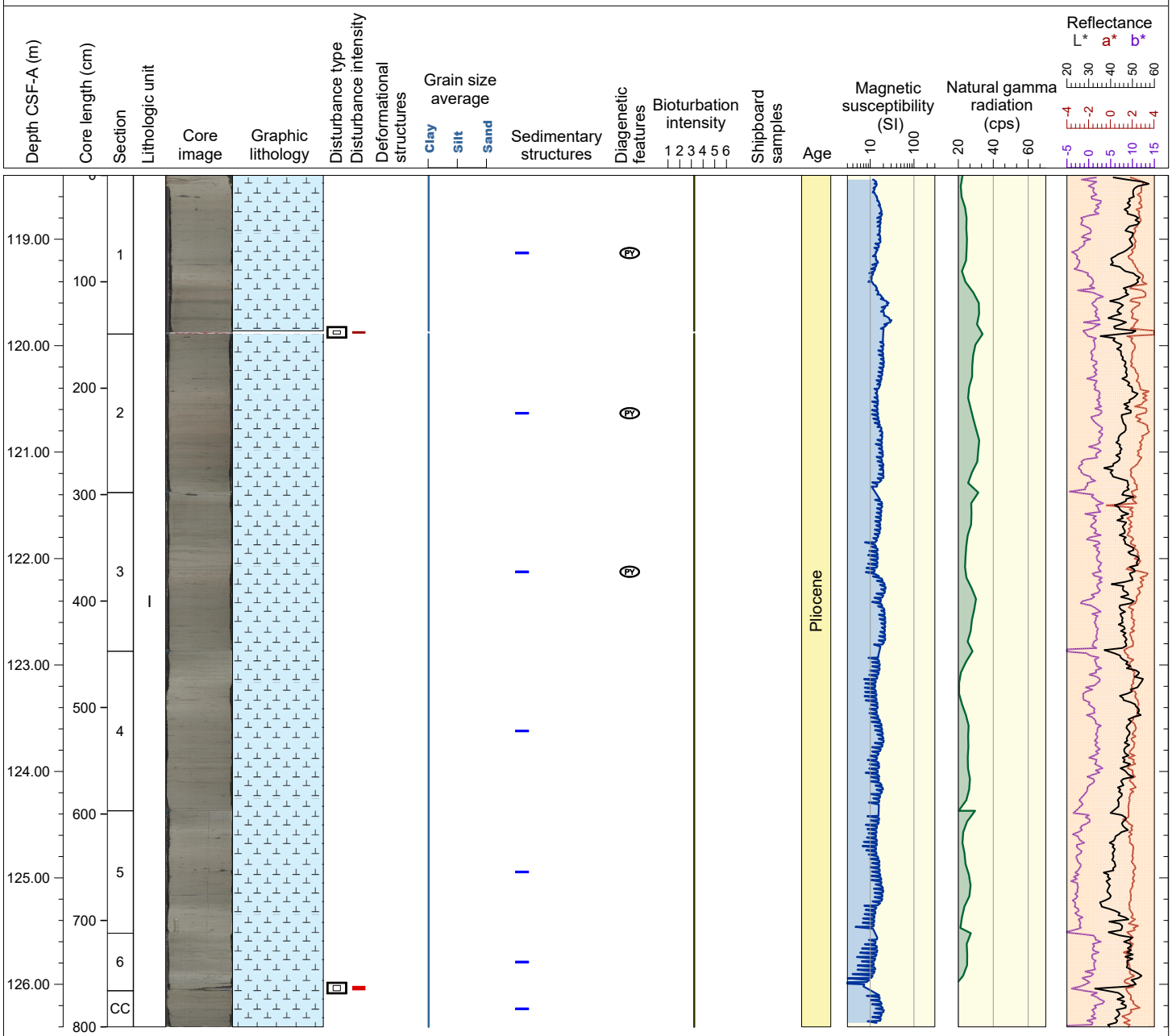
Hole 397-U1586D Core 13X, Interval 111.3-116.4 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. Black and green color banding and black patches are observed throughout the core. Contorted bedding, indicative of slumping, is observed in section 1 at 141 cm through section 2 at 118 cm. Bioturbation is sparse to slight throughout. This core shows slight biscuiting drilling disturbance throughout.



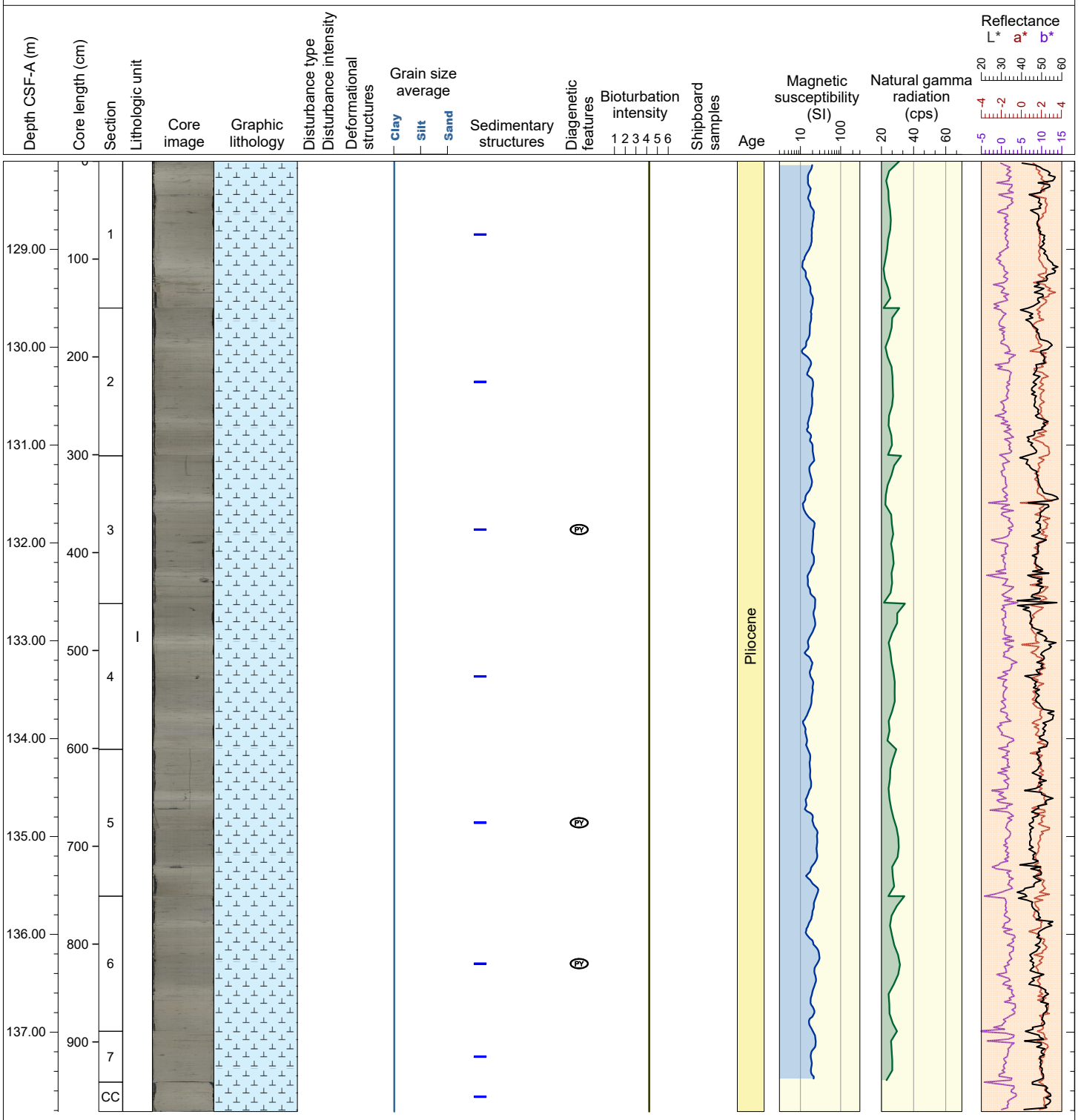
Hole 397-U1586D Core 14X, Interval 118.4-126.4 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. There is color banding throughout the core. Pyrite nodules are observed in Sections 1 at 20 cm, 2 at 3 cm, 3 at 3 cm and 5 at 56 cm. Bioturbation is slight. Drilling disturbance is not observed in this core.



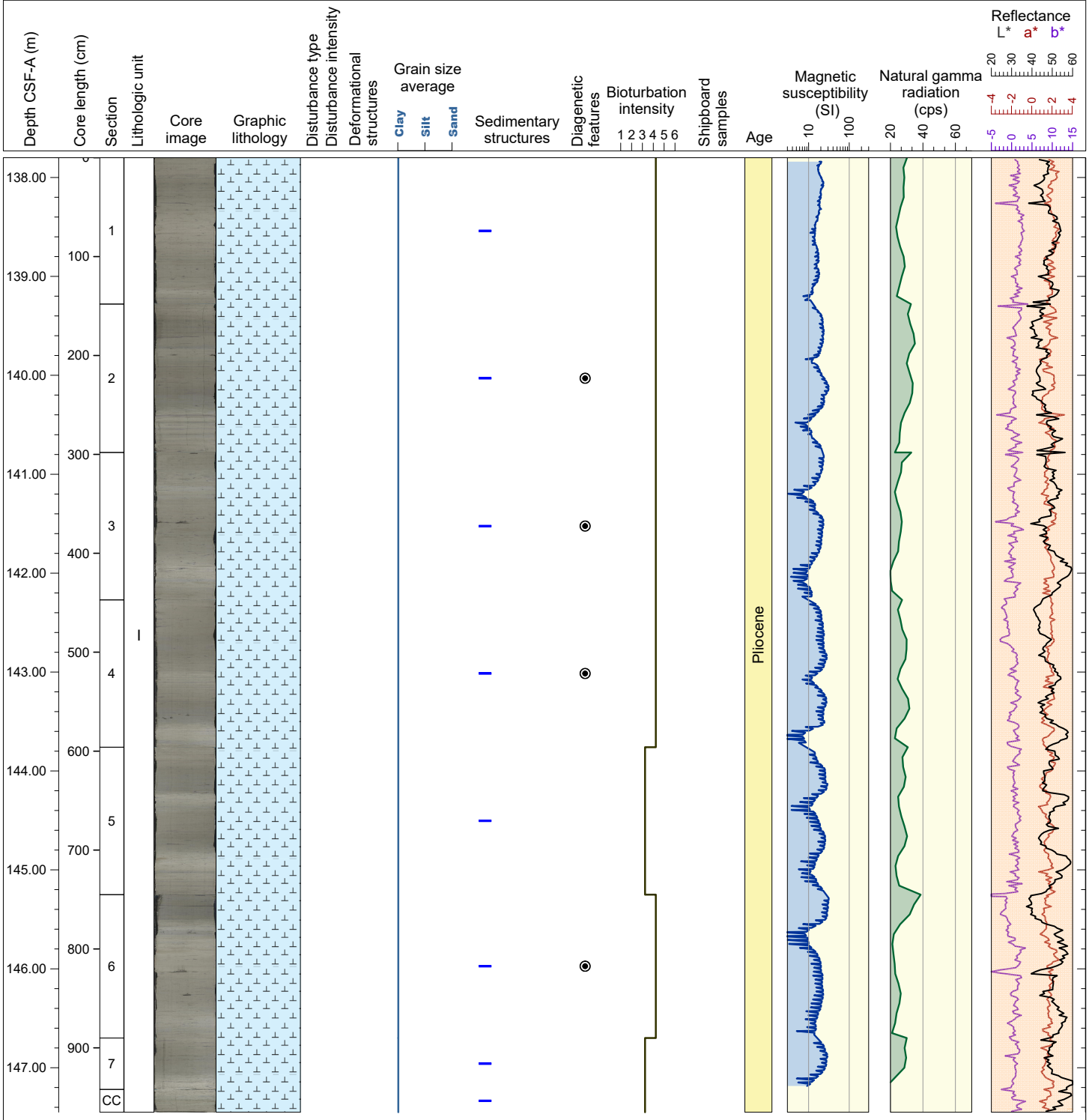
Hole 397-U1586D Core 15X, Interval 128.1-137.81 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE. There is color banding throughout the core. Pyrite nodules are observed in Sections 3 at 124 cm, 5 at 60 and 119 cm and 6 at 158 cm. Bioturbation is moderate. Drilling disturbance is not observed in this core.



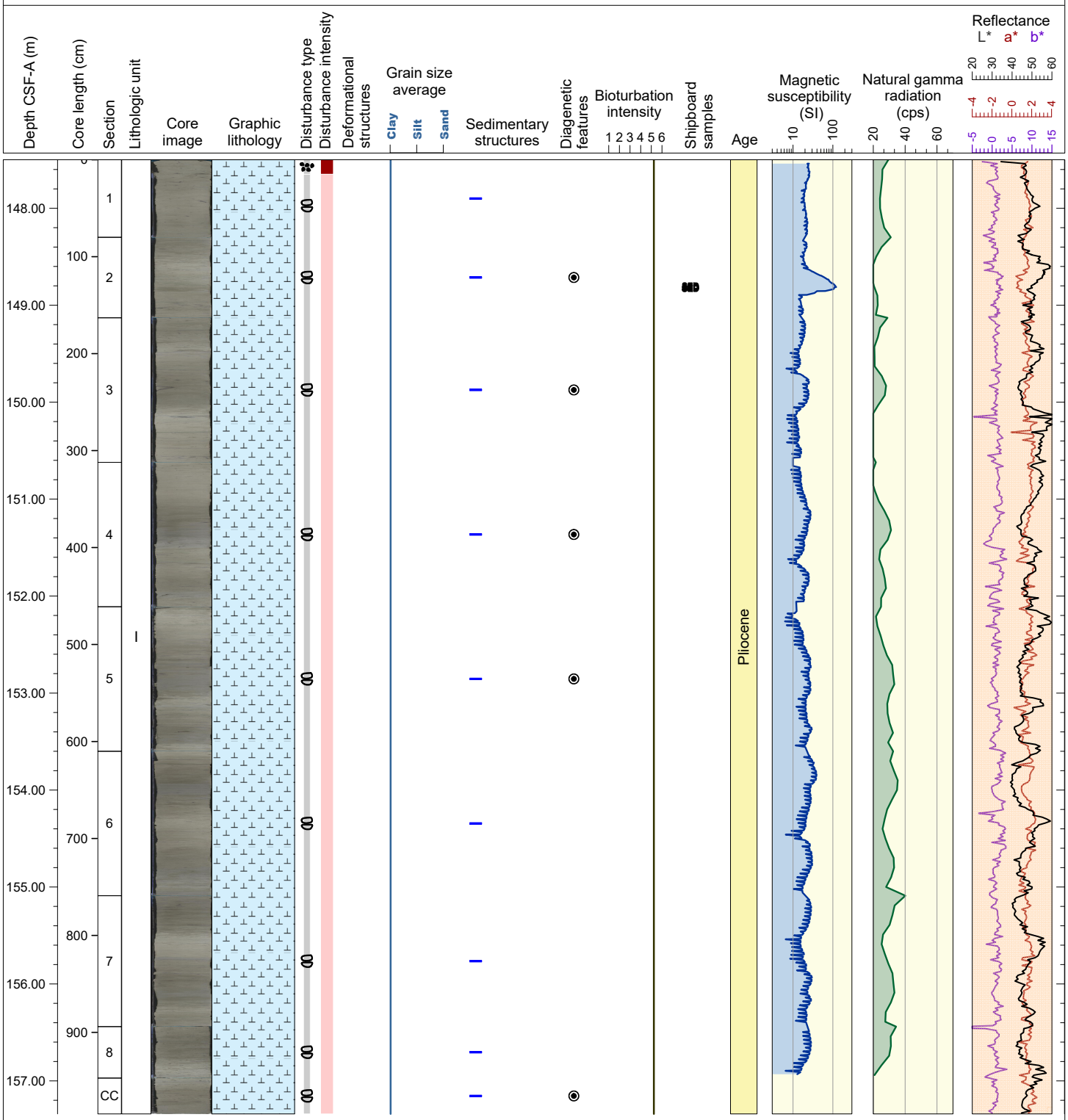
Hole 397-U1586D Core 16X, Interval 137.8-147.45 m (CSF-A)

This core consists of NANNOFOSSIL OOZE. Foraminifers are observed in the Nannofossil ooze. There is color banding, few dark patches and nodules observed throughout the core. Bioturbation is slight to moderate. Drilling disturbance is not observed in this core.



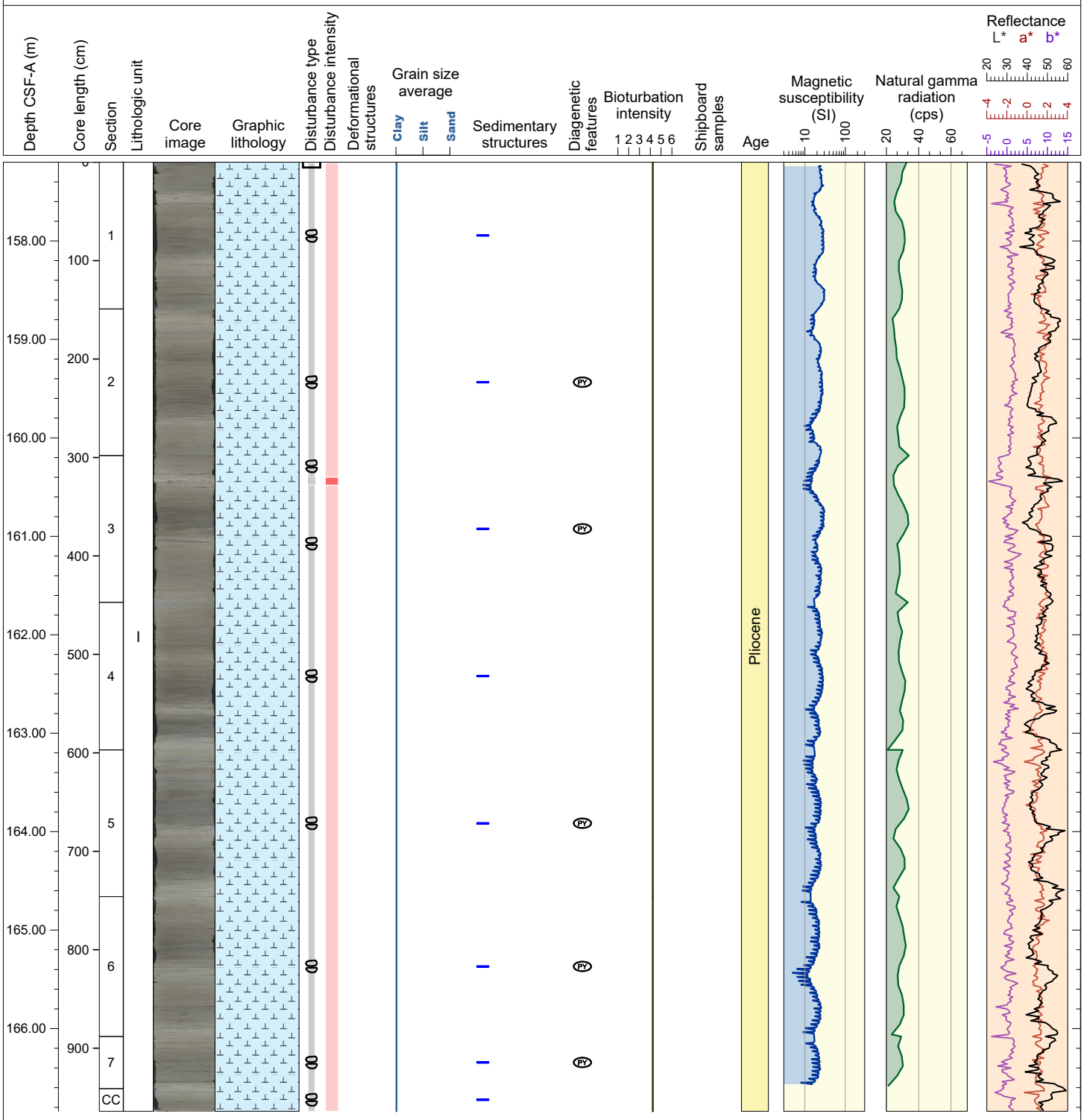
Hole 397-U1586D Core 17X, Interval 147.5-157.34 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE. There is color banding, few dark patches and nodules observed in most of the sections. Bioturbation is heavy, with trace fossils such as chondrites, planolites, and zoophycos commonly observed. Micro spherules are present in Section 2 at 52 cm, where the peak in magnetic susceptibility occurs. Drilling disturbance is not observed



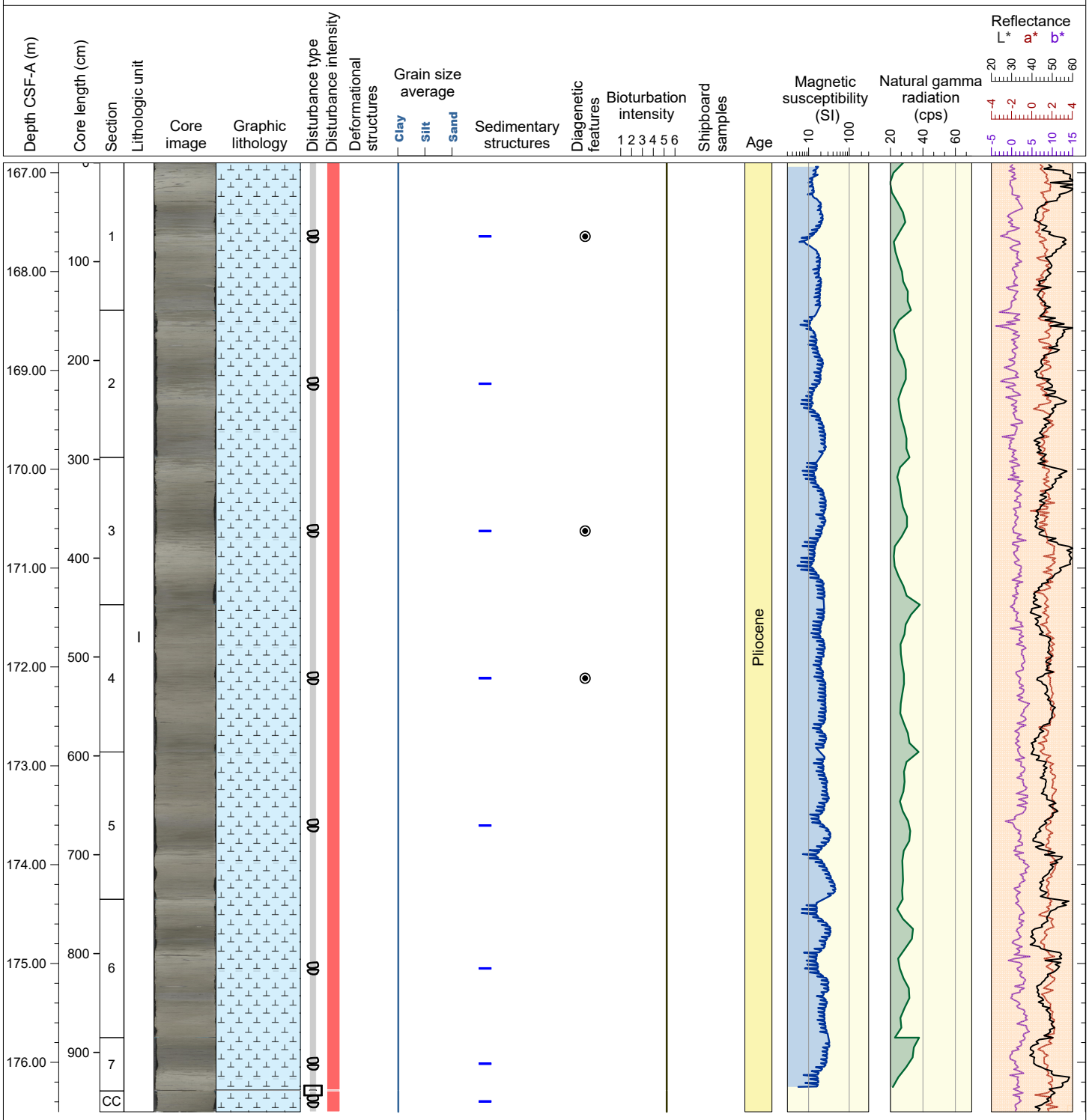
Hole 397-U1586D Core 18X, Interval 157.2-166.84 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with CLAY. The contacts between lithologies are color and bioturbated boundaries, irregular and gradational. There is color banding, few dark patches and pyrite nodules observed in most of the sections. Bioturbation is moderate, with trace fossils such as chondrites, planolites, and zoophycos commonly observed. The core shows mostly slight biscuiting drilling disturbance throughout.



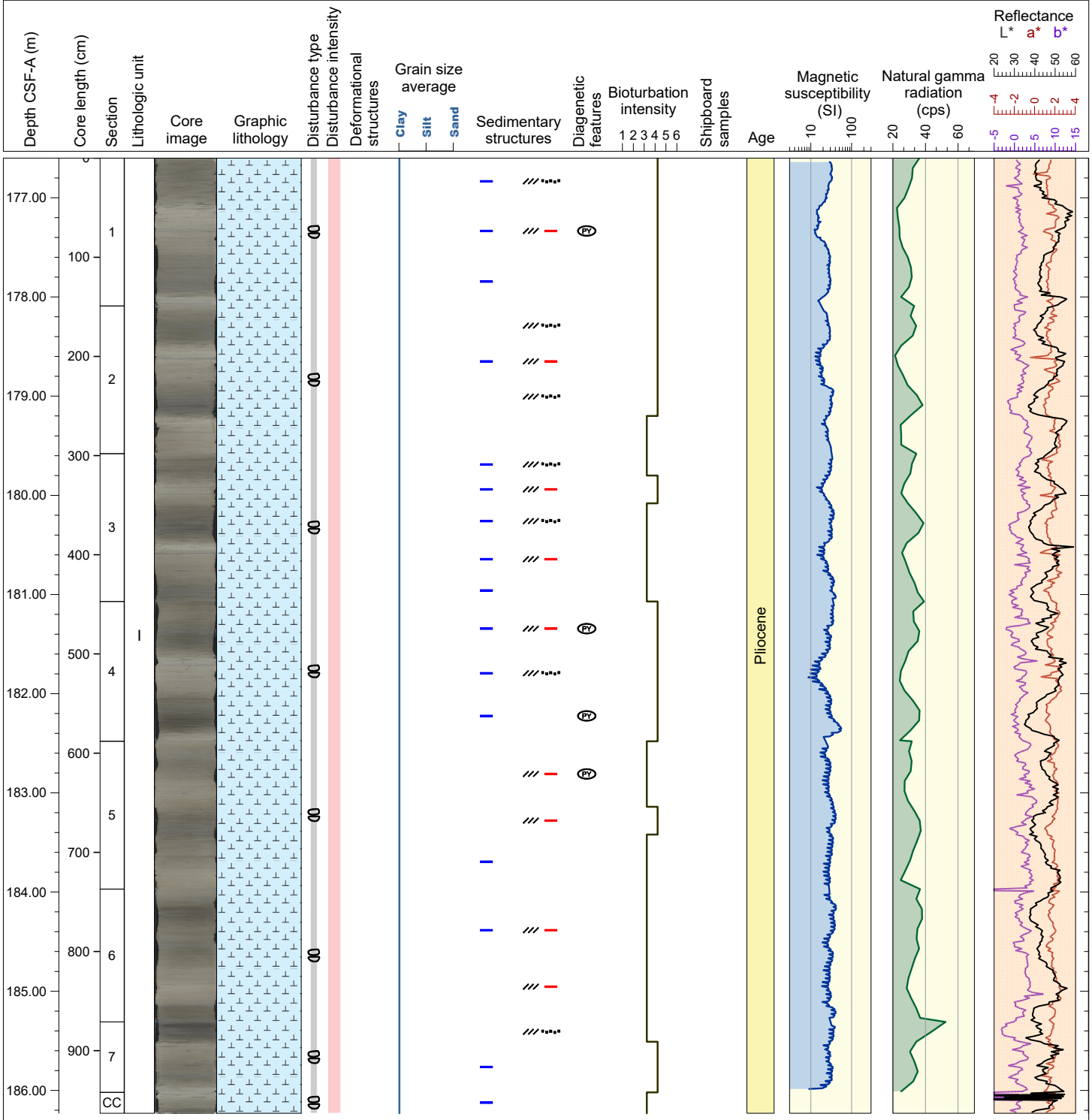
Hole 397-U1586D Core 19X, Interval 166.9-176.5 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with CLAY. There is color banding, few dark patches and pyrite nodules observed in most of the sections. Bioturbation is heavy, with trace fossils such as chondrites, planolites, and zoophycos commonly observed. The core shows mostly moderate biscuiting drilling disturbance throughout.



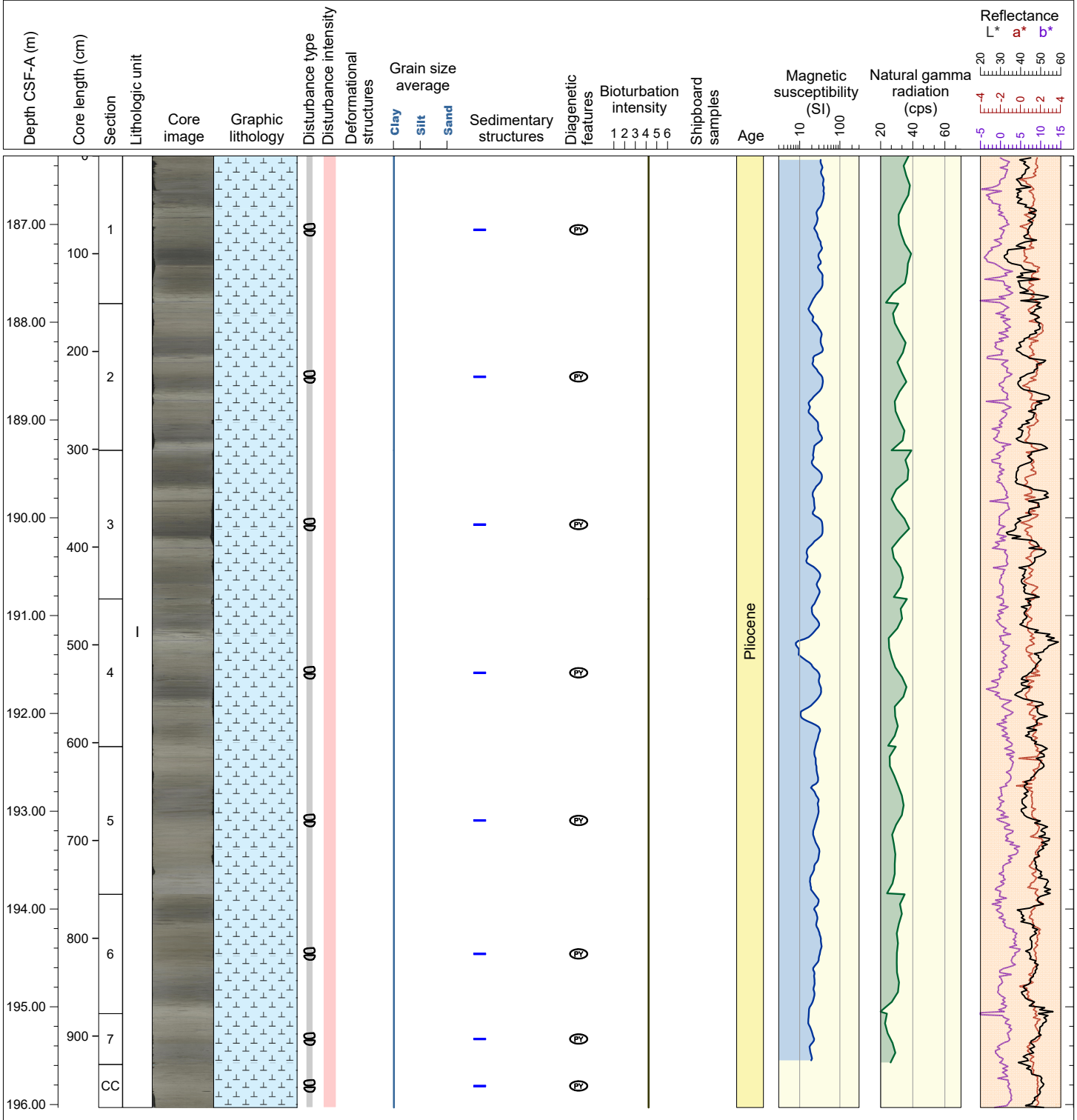
Hole 397-U1586D Core 20X, Interval 176.6-186.23 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE with CLAY. Lithologies are separated by color boundaries or bioturbation and boundaries are irregular and gradational. There is color banding, few dark patches and pyrite nodules observed in some of the sections. Bioturbation is slight to moderate, with trace fossils such as chondrites, planolites, and zoophycos commonly observed. The core shows mostly slight biscuiting drilling disturbance throughout.



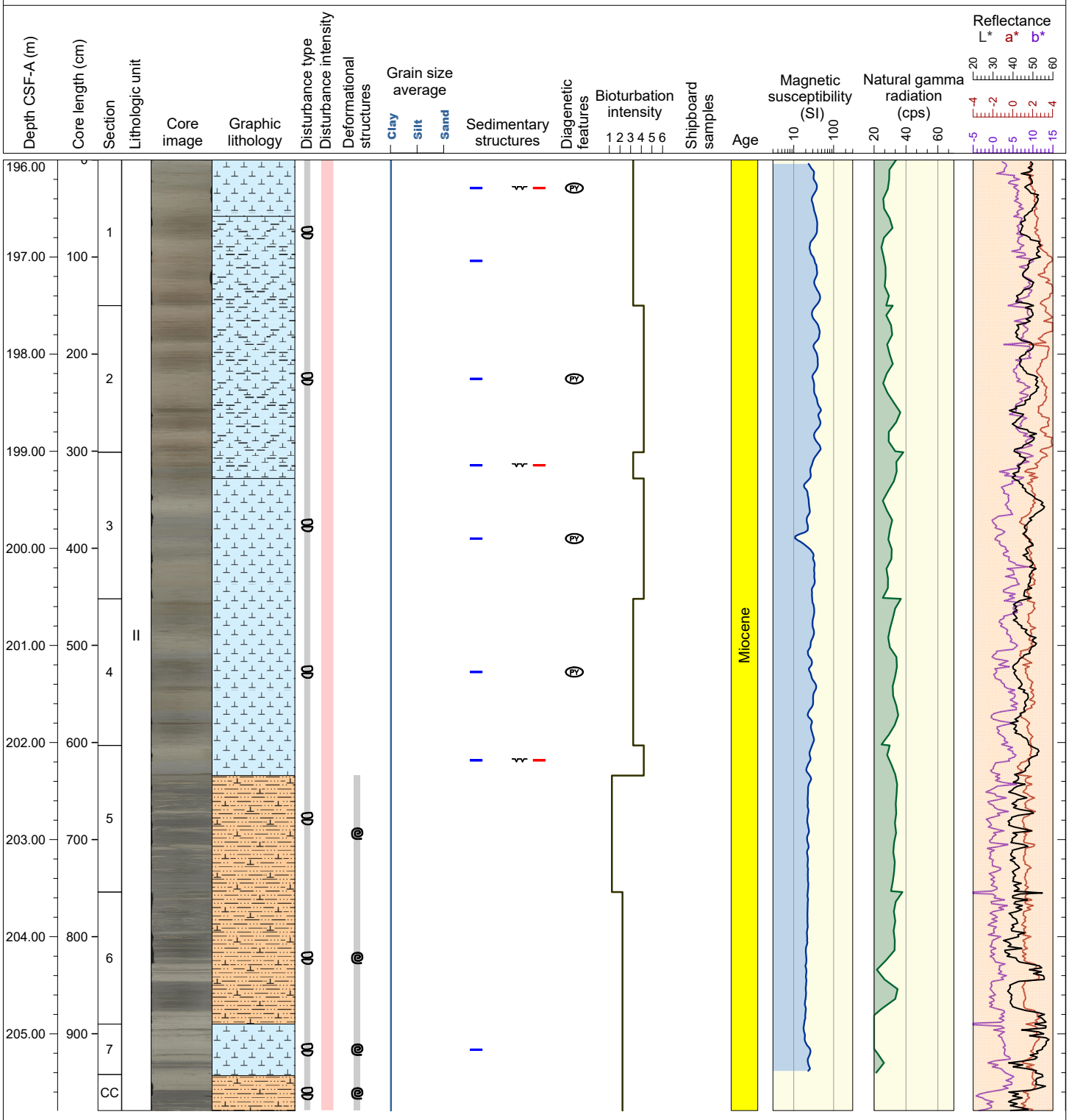
Hole 397-U1586D Core 21X, Interval 186.3-196.03 m (CSF-A)

This is dominated by NANNOFOSSIL OOZE WITH CLAY and NANNOFOSSIL OOZE. There is color banding throughout. Pyrite nodules are found throughout as well as dark patches with dark rings from Section 2 to the base. Bioturbation is moderate, with trace fossils such as chondrites, planolites, and zoophycos commonly observed. The core shows slight biscuiting drilling disturbance throughout.



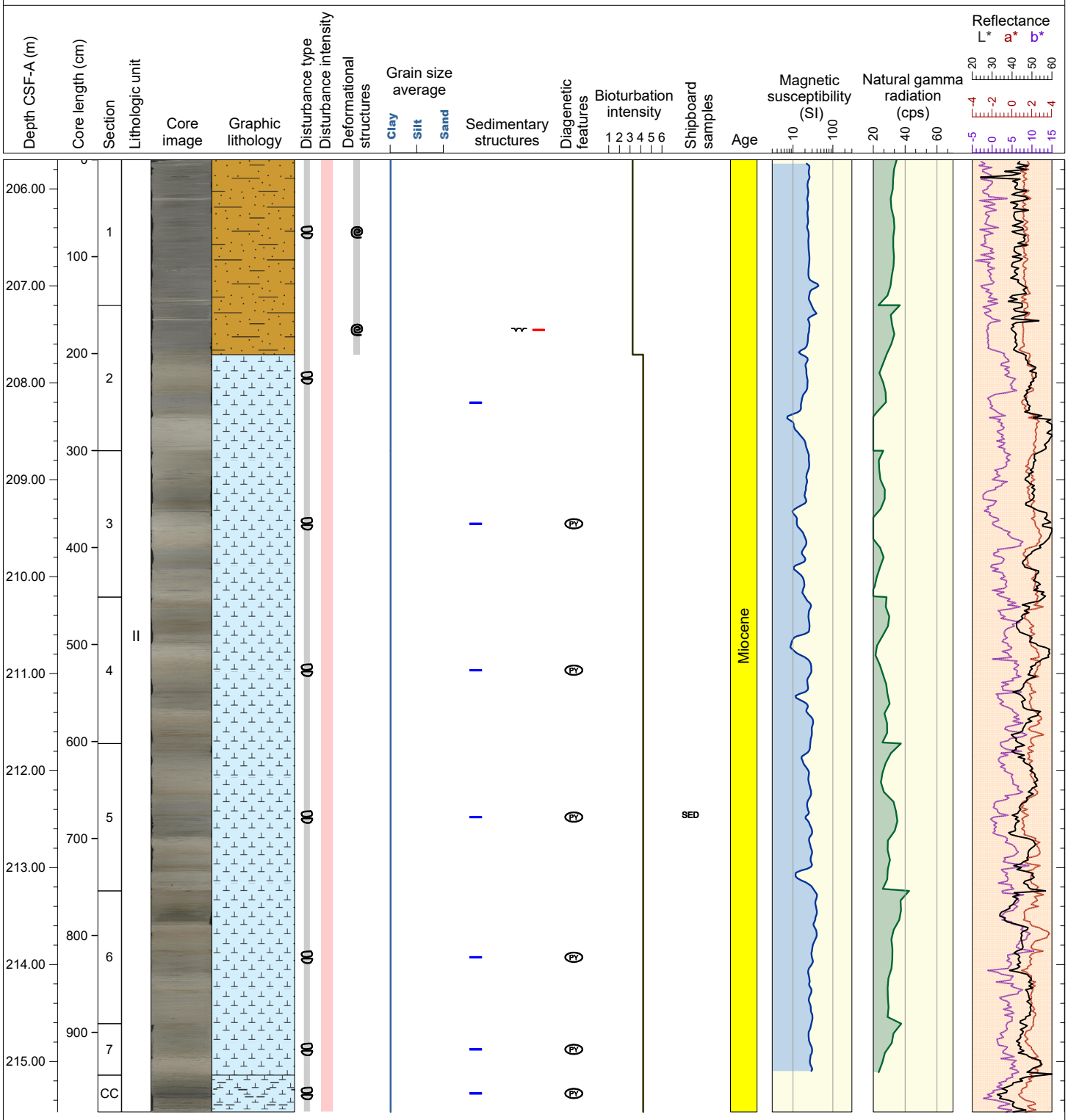
Hole 397-U1586D Core 22X, Interval 196.0-205.79 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. There are straight sharp color boundaries in Section 1 at 58 cm, Section 3 at 27 cm and Section 5 at 31 cm. Color banding is present in Sections 1 to 5 at 31 cm and pyrite nodules are found in this interval. Bioturbation is slight to moderate with trace fossils such as chondrites, planolites, and zoophycos commonly observed. Section 5 to the base presents churned or chaotic strata, with some microfaults. There is no to sparse bioturbation in this interval. The core shows slight biscuiting drilling disturbance throughout.



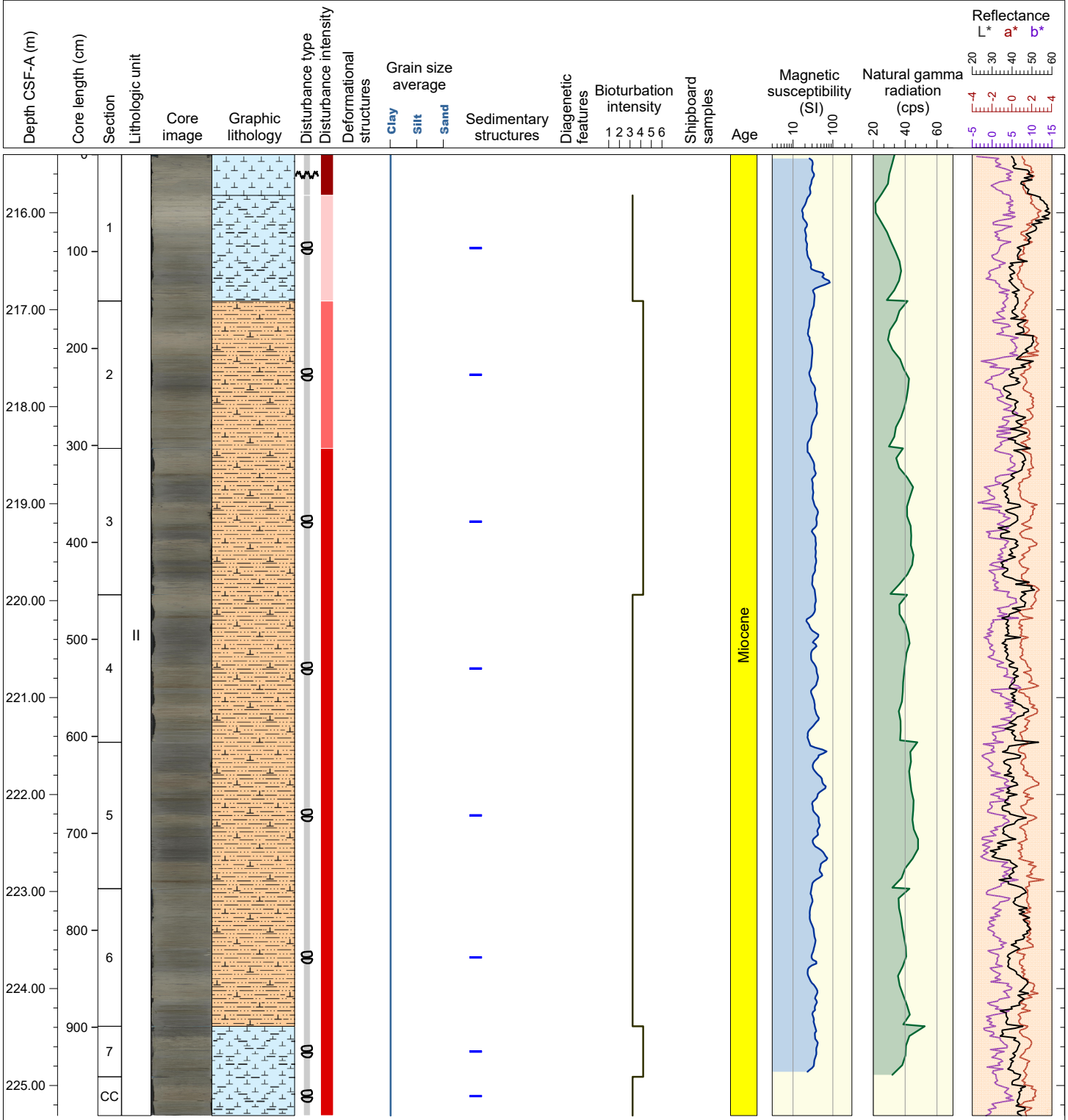
Hole 397-U1586D Core 23X, Interval 205.7-215.52 m (CSF-A)

This core is dominated by SILTY CLAY in Section 1 and Section 2 at 51 cm. This interval presents churned or chaotic strata and is slightly bioturbated. The color boundary to the next lithology is straight and sharp. Section 2 at 51 cm to the base is dominated by NANNOFOSSIL OOZE with varying amounts of CLAY. Color banding as well as pyrite nodules are present throughout. Bioturbation is moderate and many burrows are found. The core shows slight biscuiting drilling disturbance throughout.



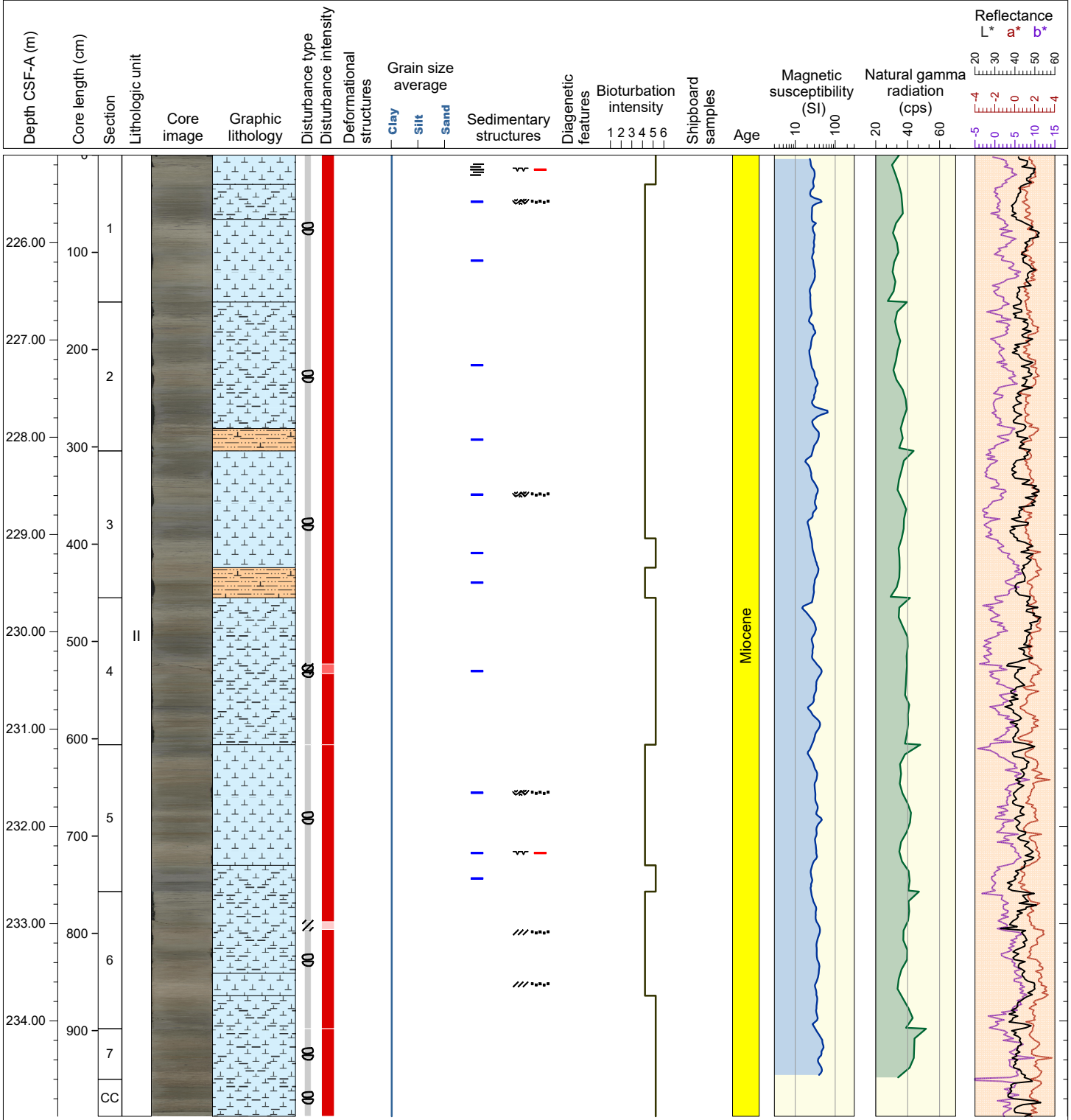
Hole 397-U1586D Core 24X, Interval 215.4-225.31 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL CLAY. Color banding is present throughout the core. Several up to 3cm thick layers with pyrite are found throughout as well as minor patches. Bioturbation is slight to moderate and trace fossils such as chondrites, planolites, and zoophycos are commonly observed. The first 42 cm of the core presents a severely disturbed bedding and the rest of the core shows slight to strong biscuiting drilling disturbance.



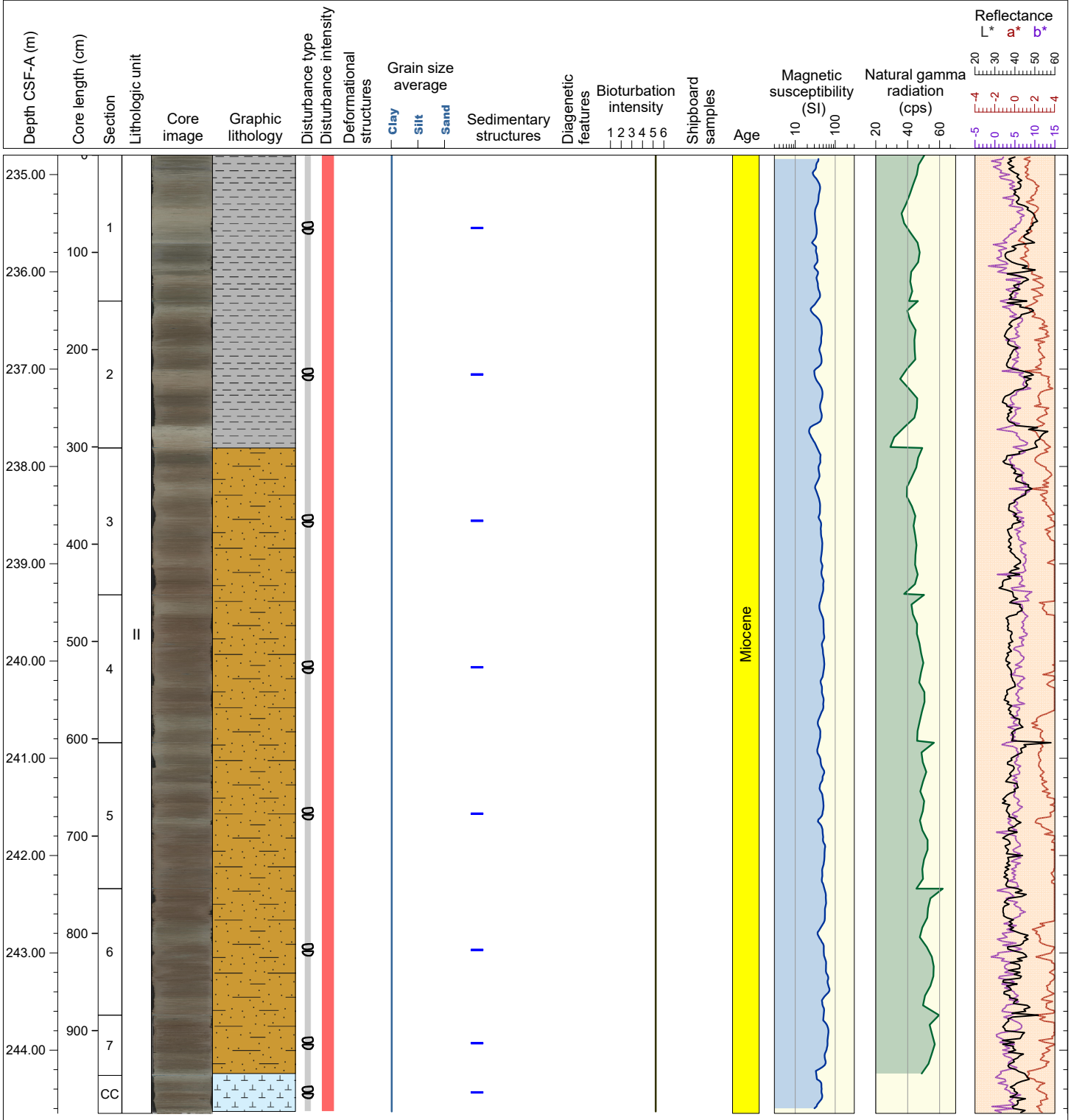
Hole 397-U1586D Core 25X, Interval 225.1-234.98 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and CLAY. Color banding is present in Sections 1 to 5. Boundaries between lithologies are bioturbated or are color boundaries, are straight to irregular, and are sharp to gradational. Bioturbation is moderate to heavy and trace fossils such as chondrites, planolites, and zoophycos are commonly observed. The core shows strong biscuiting drilling disturbance throughout.



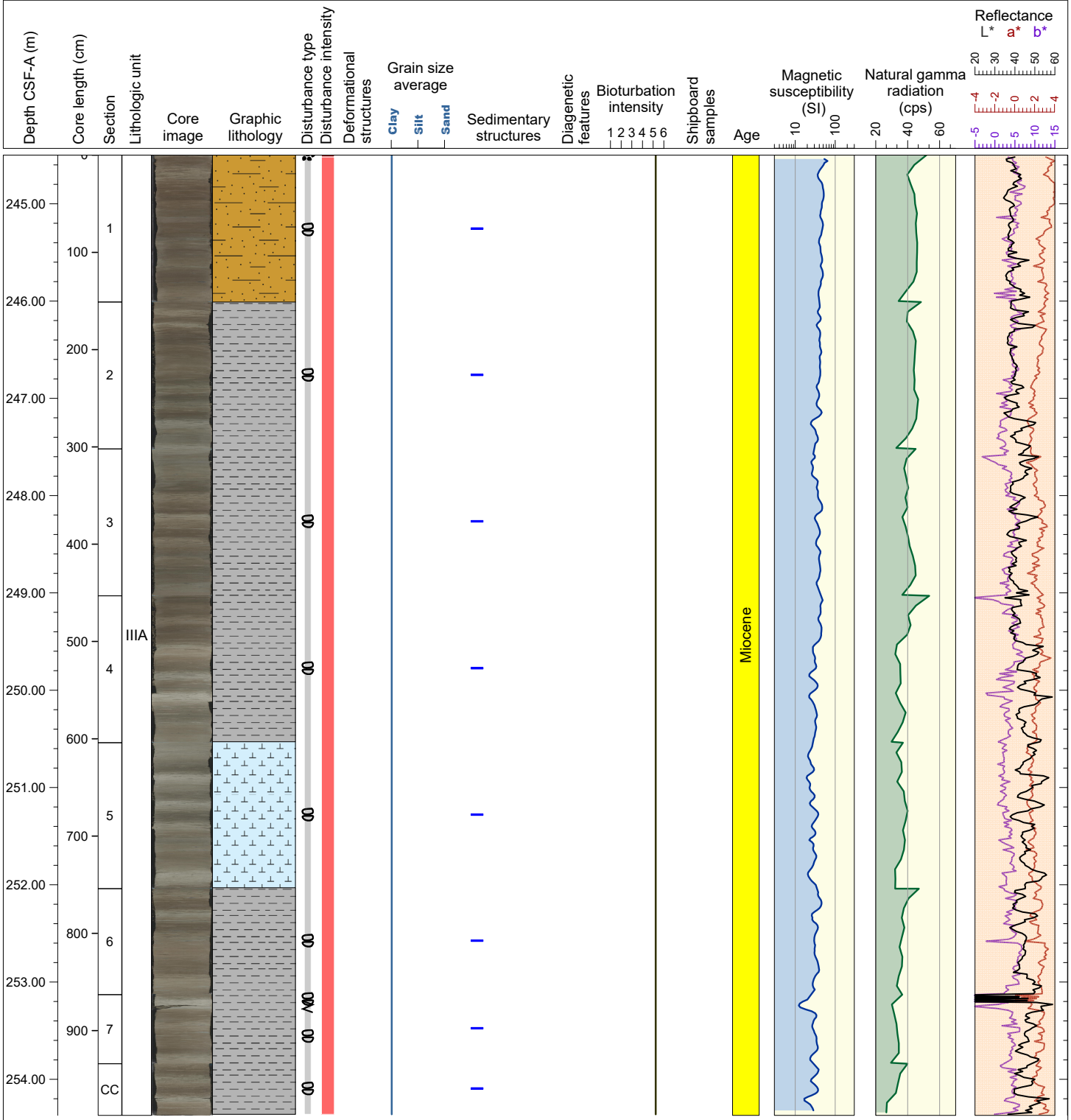
Hole 397-U1586D Core 26X, Interval 234.8-244.65 m (CSF-A)

This core is dominated by SILTY CLAY and CLAY with NANNOFOSSIL. Color banding is present throughout the core. Bioturbation is heavy and trace fossils such as chondrites and planolites are commonly observed. The core shows moderate biscuiting drilling disturbance.



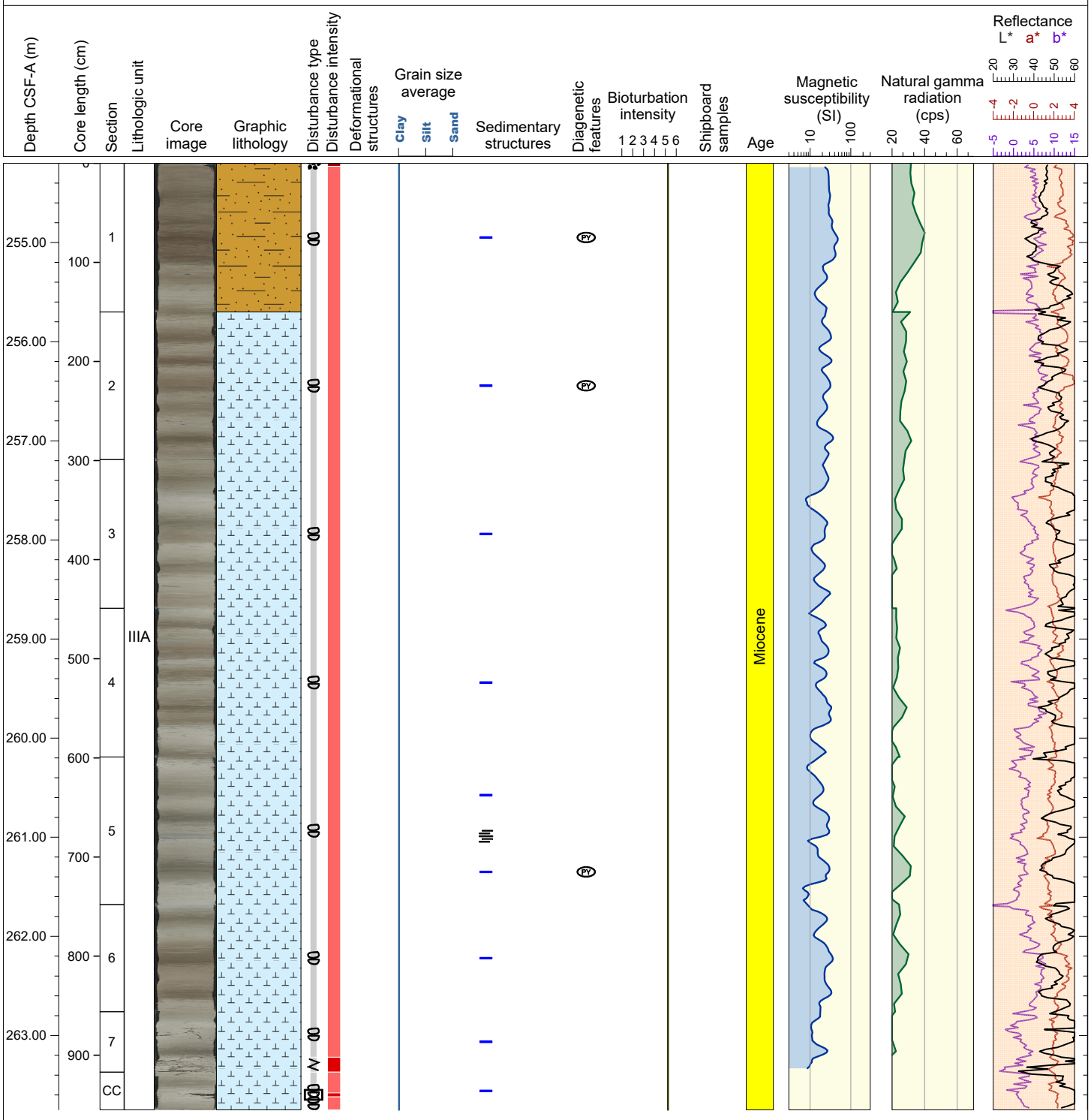
Hole 397-U1586D Core 27X, Interval 244.5-254.37 m (CSF-A)

This core is dominated by CLAY with NANNOFOSSIL. Color banding is present throughout the core. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core shows mostly moderate biscuiting drilling disturbance.



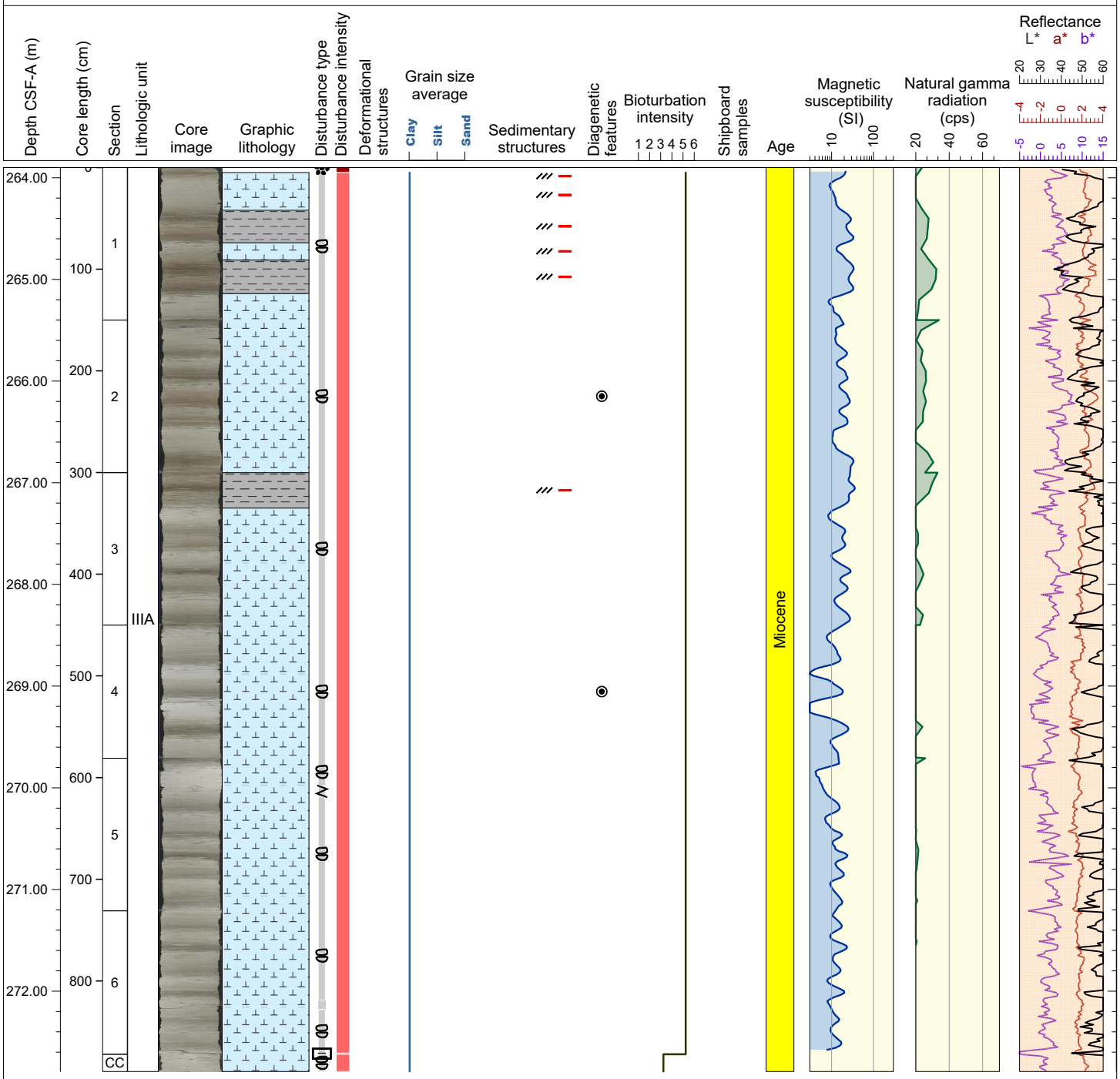
Hole 397-U1586D Core 28X, Interval 254.2-263.75 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with CLAY. Color banding is present throughout the core. Pyrite nodules are observed in Sections 1, 2 and 5. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core shows mostly moderate biscuiting drilling disturbance.



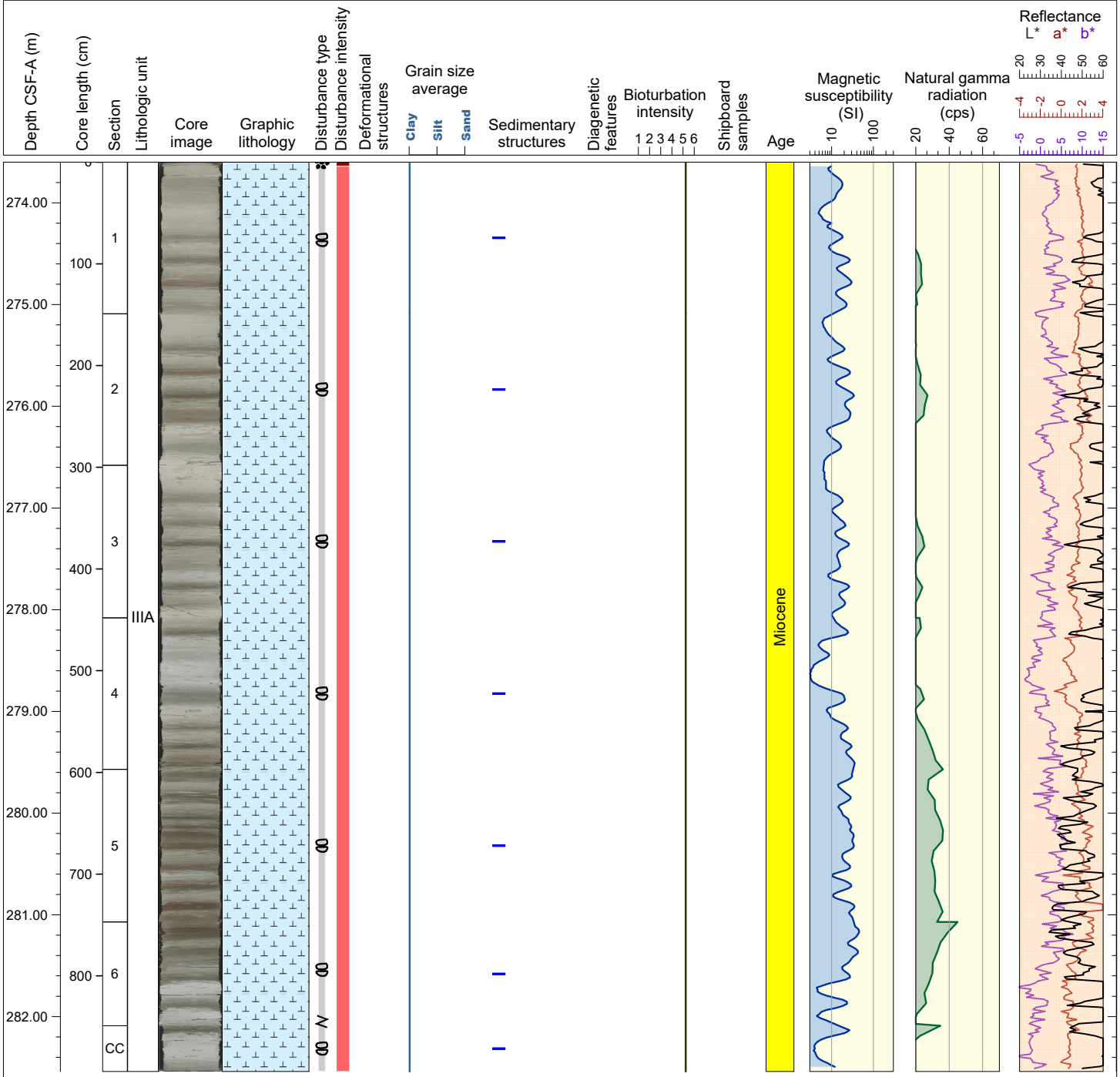
Hole 397-U1586D Core 29X, Interval 263.9-272.79 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE with CLAY and CLAY with NANNOFOSSIL. The contacts between lithologies are color boundaries, irregular and gradational. Color banding is present throughout the core. Pyrite nodules are observed in Sections 2 and 4. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core shows mostly moderate biscuiting drilling disturbance.



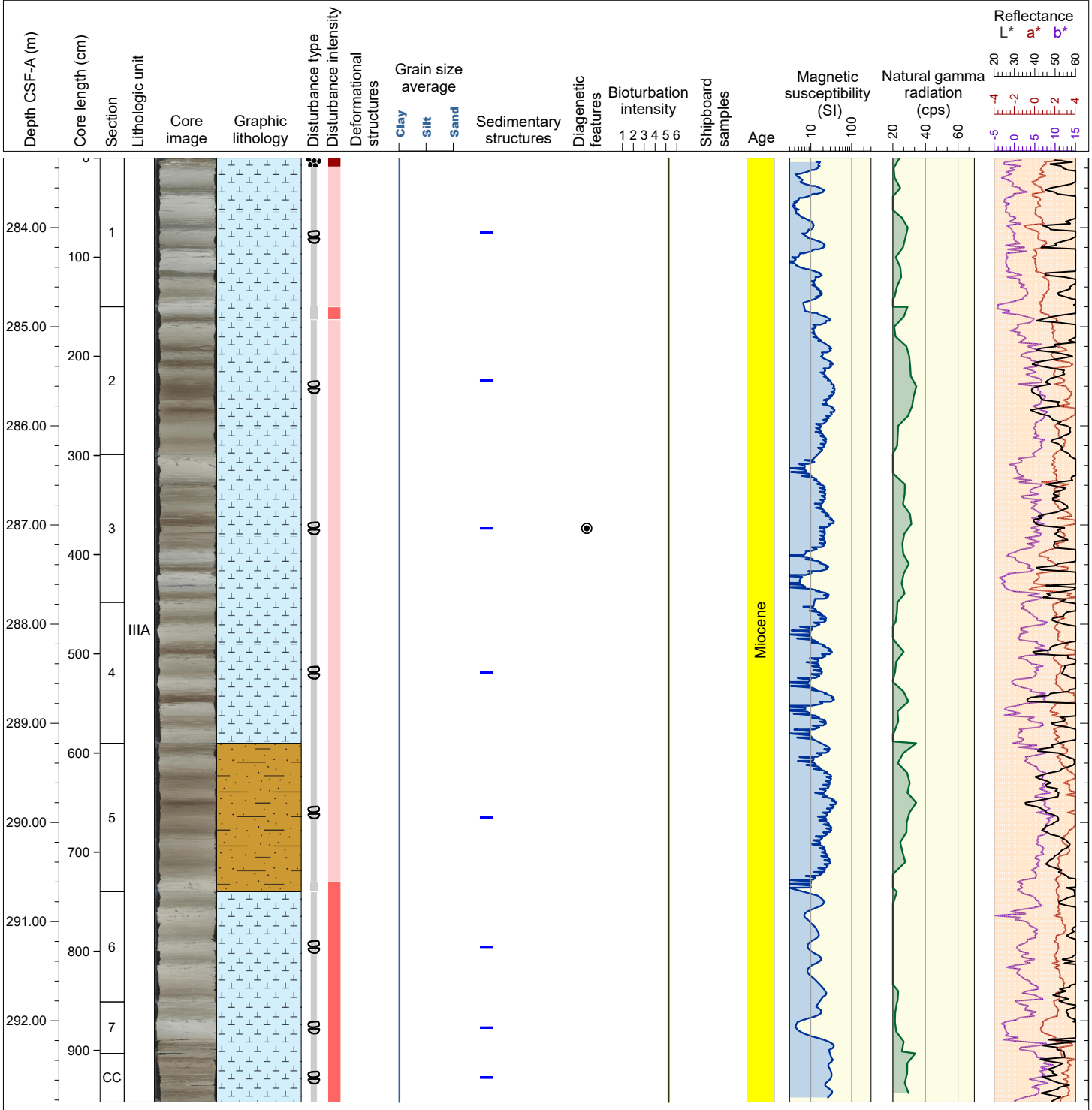
Hole 397-U1586D Core 30X, Interval 273.6-282.54 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE. Color banding is present throughout the core. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core shows mostly moderate biscuiting drilling disturbance.



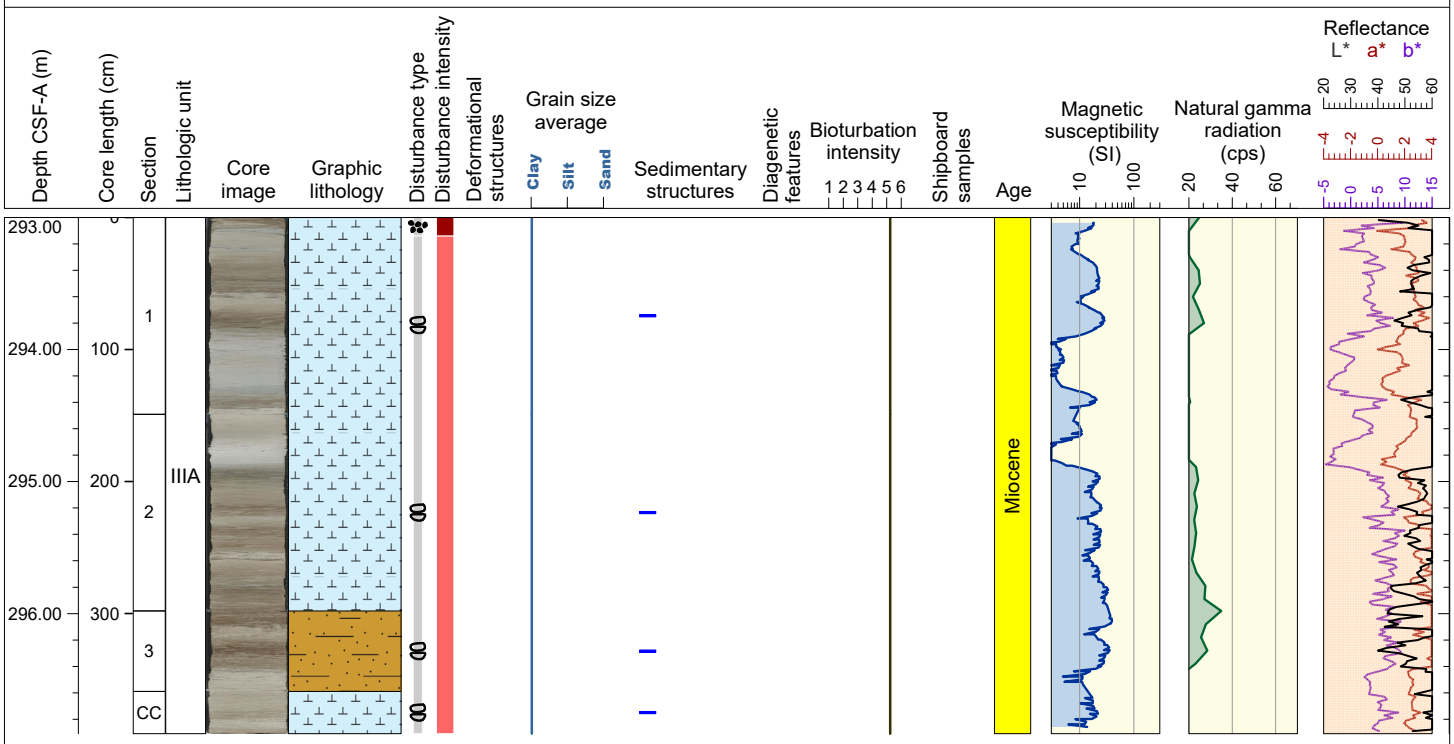
Hole 397-U1586D Core 31X, Interval 283.3-292.82 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE and NANNOFOSSIL OOZE with CLAY. Color banding is present throughout the core. A pyrite nodule is observed in Section 3 at 130.5 cm. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core shows mostly slight to moderate biscuiting drilling disturbance.



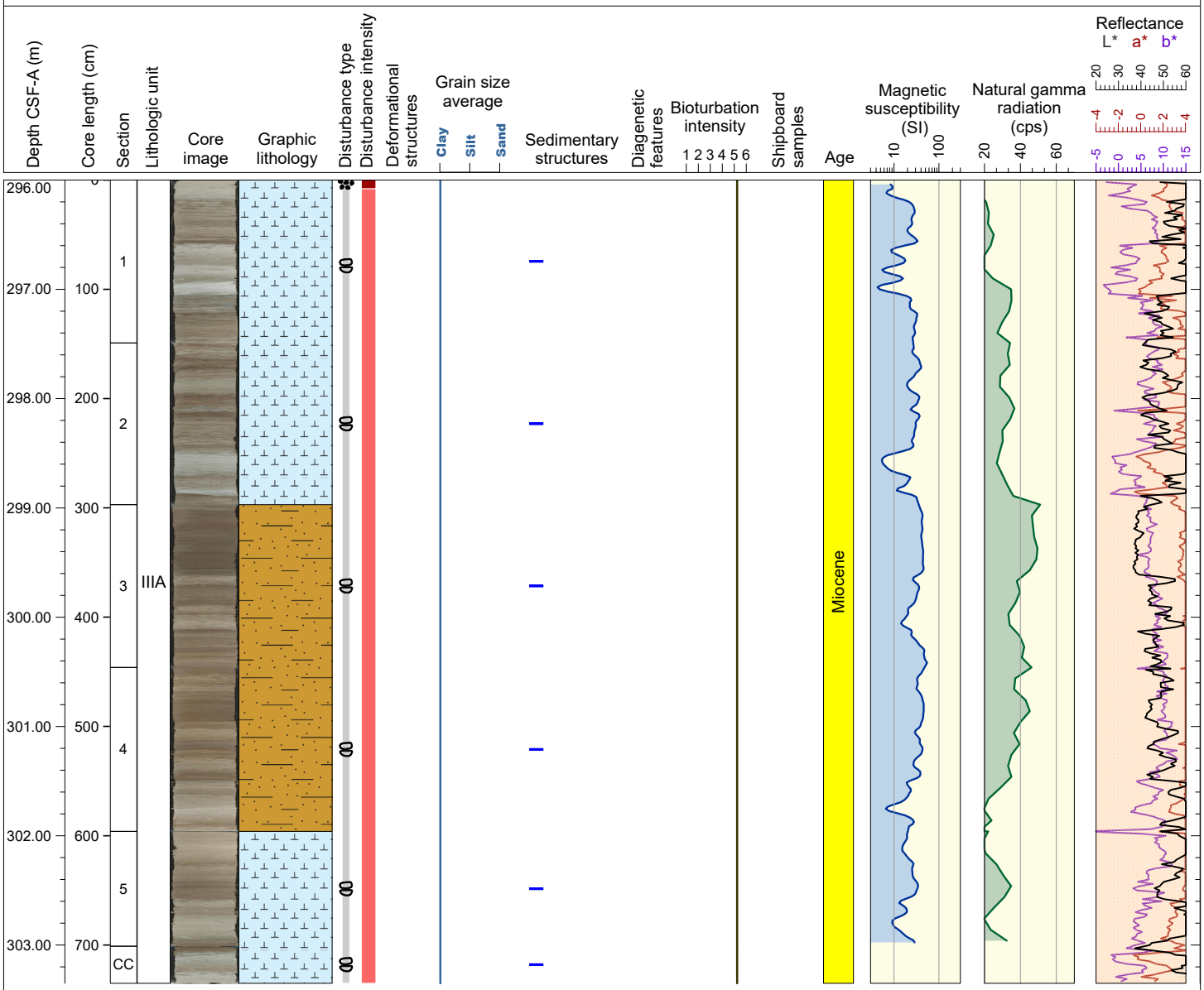
Hole 397-U1586D Core 32X, Interval 293.0-296.91 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE. Color banding is present throughout the core. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core shows mostly moderate biscuiting drilling disturbance.



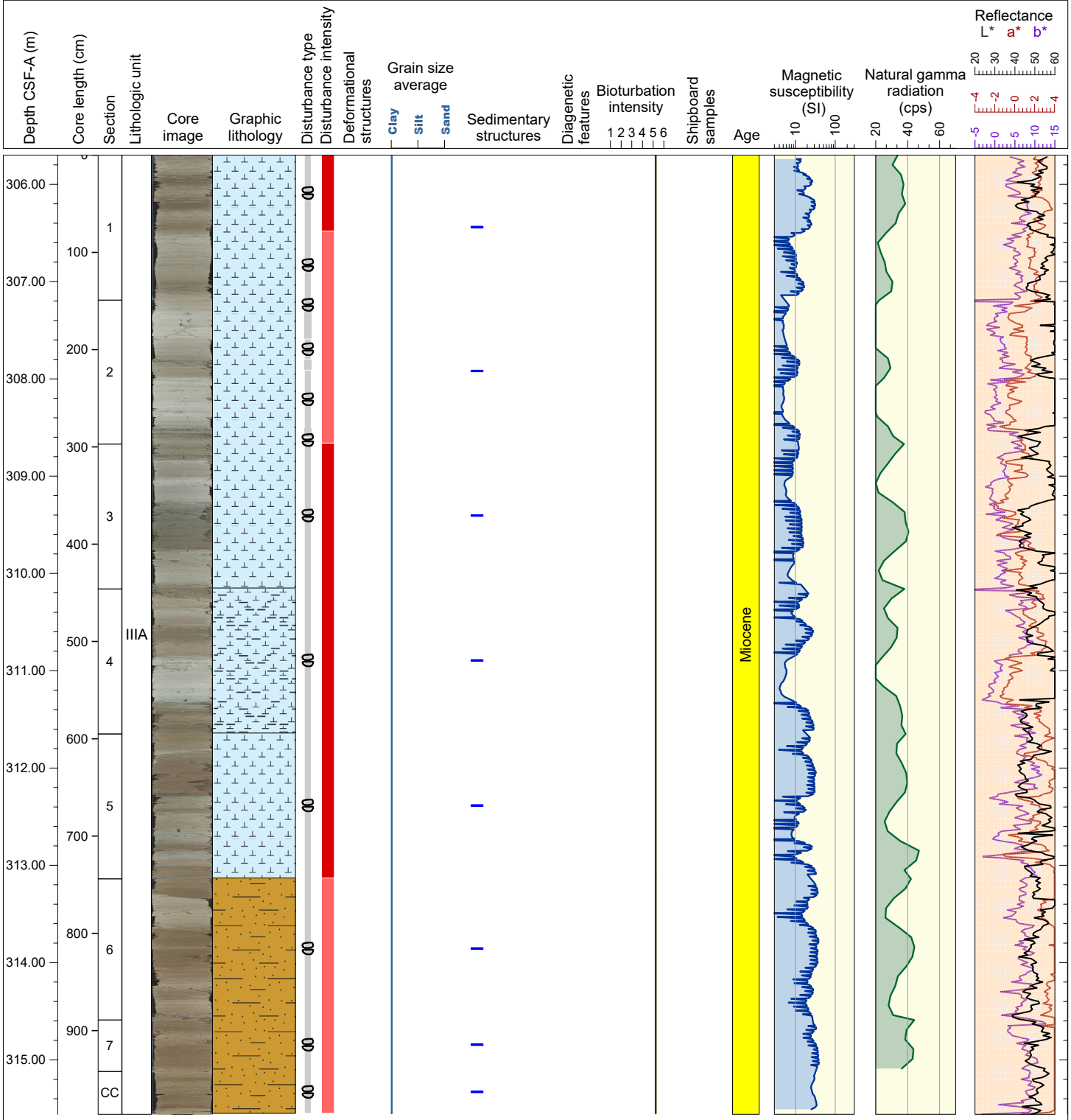
Hole 397-U1586D Core 33X, Interval 296.0-303.35 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE. Color banding is present throughout the core. Bioturbation is heavy and trace fossils such as chondrites, planolites and zoophycos are commonly observed. The core shows mostly moderate biscuiting drilling disturbance.



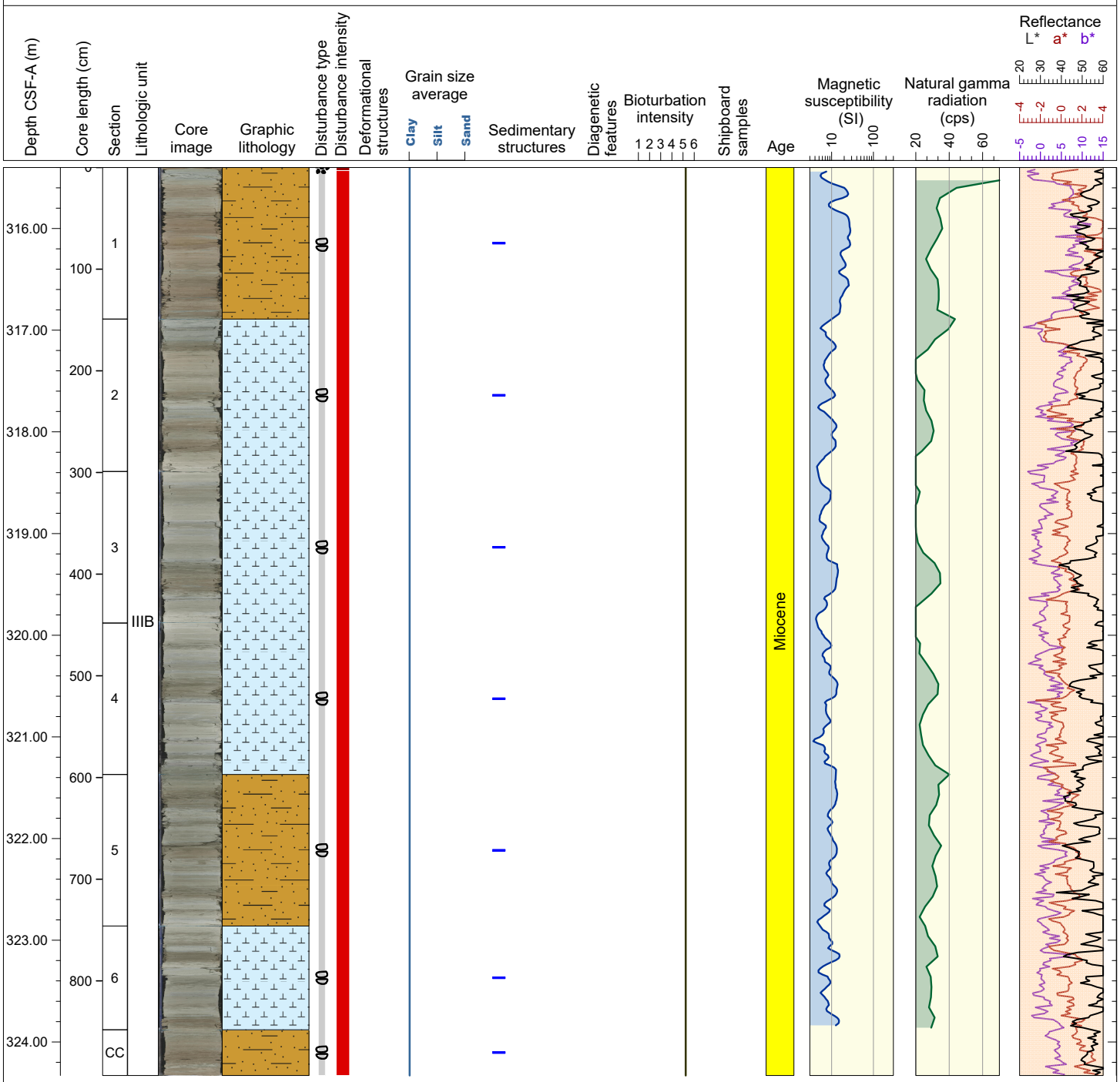
Hole 397-U1586D Core 34X, Interval 305.7-315.56 m (CSF-A)

This core consists of NANNOFOSSIL OOZE with varying amounts of clay and SILTY CLAY and minor SILTY CLAY WITH SAND. The contacts between lithologies are mostly color boundary, irregular and gradational. Color banding is present throughout the core. Greenish/bluish intervals start to appear in this core. Bioturbation is heavy and trace fossils such as chondrites and planolites are commonly observed. The core shows mostly moderate to strong biscuiting drilling disturbance.



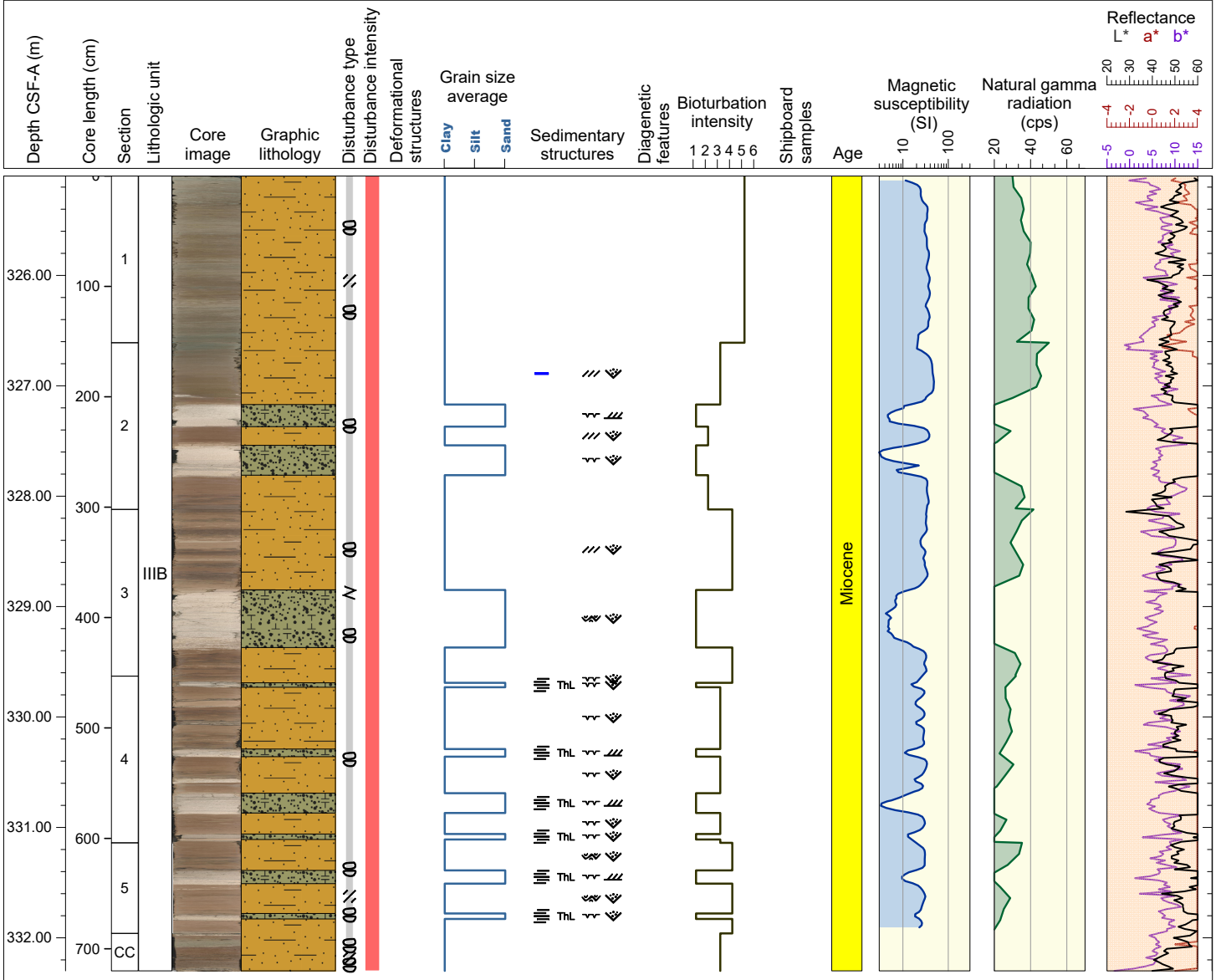
Hole 397-U1586D Core 35X, Interval 315.4-324.33 m (CSF-A)

This core is dominated by SILTY CLAY and NANNOFOSSIL OOZE WITH CLAY. It contains intervals with SAND which have sharp contacts. The other contacts are sharp to gradational and irregular. Color banding is present throughout. Bioturbation is heavy and trace fossils such as chondrites, planolites, and zoophycos are commonly observed. The first 3 cm of the core present a fall-in and the rest of the core shows a strong biscuiting drilling disturbance.



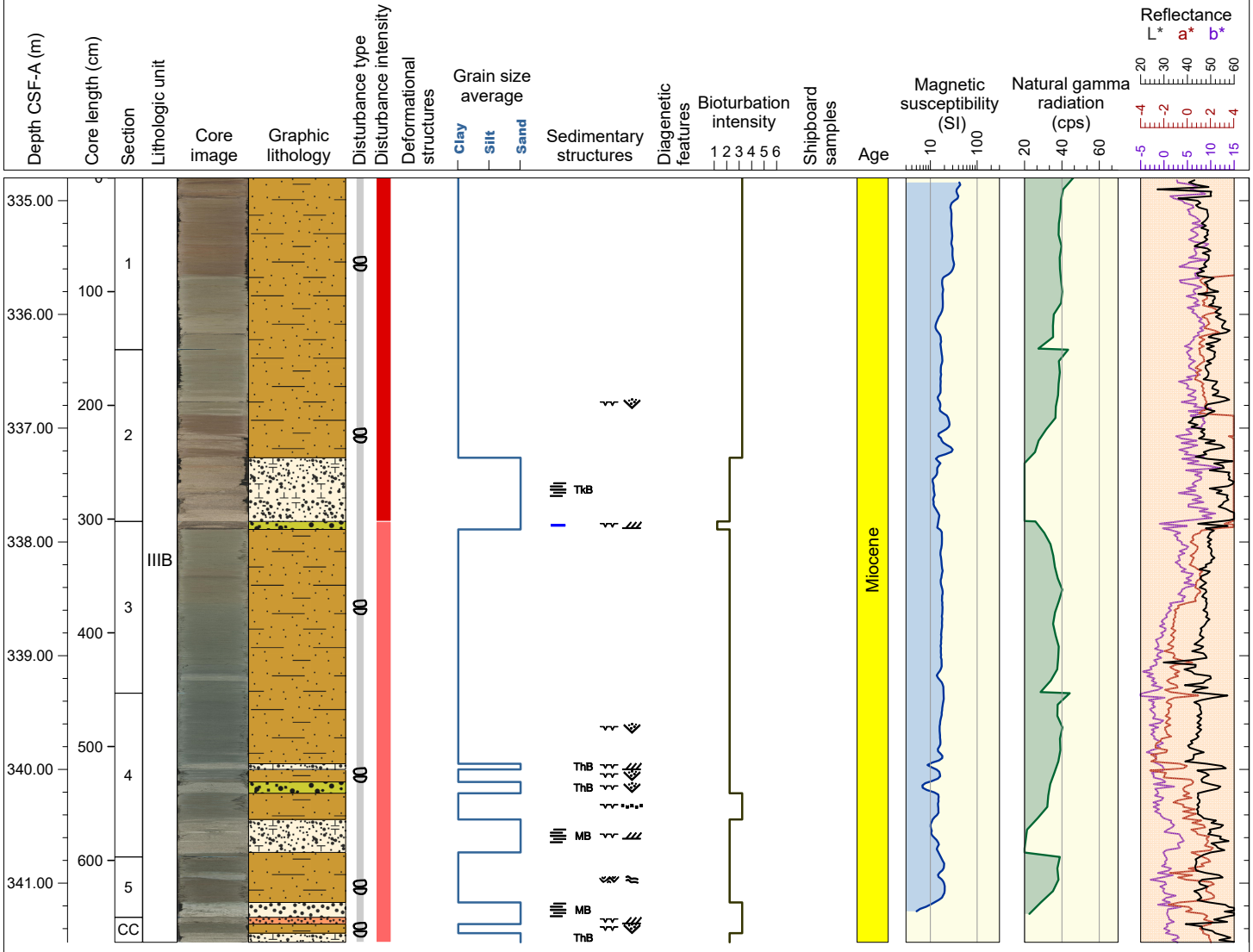
Hole 397-U1586D Core 36X, Interval 325.1-332.3 m (CSF-A)

This core contains SILTY CLAY and CALCAREOUS SAND. Contacts between lithologies are grain size or erosive boundaries, are straight to irregular, and are sharp to gradational. In the silty clay intervals, bioturbation is slight to moderate and trace fossils such as chondrites, planolites, and zoophycos are commonly observed. Black diagenetic patches are commonly observed around bioturbated intervals. In the calcareous sand intervals, bioturbation is absent. Calcareous sand is fine to granular in size and can be thinly laminated. The core shows moderate biscuiting.



Hole 397-U1586D Core 37X, Interval 334.8-341.52 m (CSF-A)

This core is dominated by SILTY CLAY intercalating with (CALCAREOUS) COARSE SAND. Both brownish and greenish clay are present in the core. Contacts are generally grain size or erosive boundaries, straight or irregular and are sharp. The sand beds are thin to mediumly bedded and some contain laminations. Bioturbation ranges from absent to slight. The core shows a moderate to strong biscuiting drilling disturbance.



Hole 397-U1586D Core 38X, Interval 344.5-347.16 m (CSF-A)

This core is dominated by SILTY CLAY and CALCAREOUS (FINE to COARSE) SAND. Contacts are generally grain size or erosive boundaries, straight, wavy or irregular and are sharp. The sand intervals are thinly or thickly laminated. Bioturbation is sparse throughout. The core shows a moderate to strong biscuiting drilling disturbance.