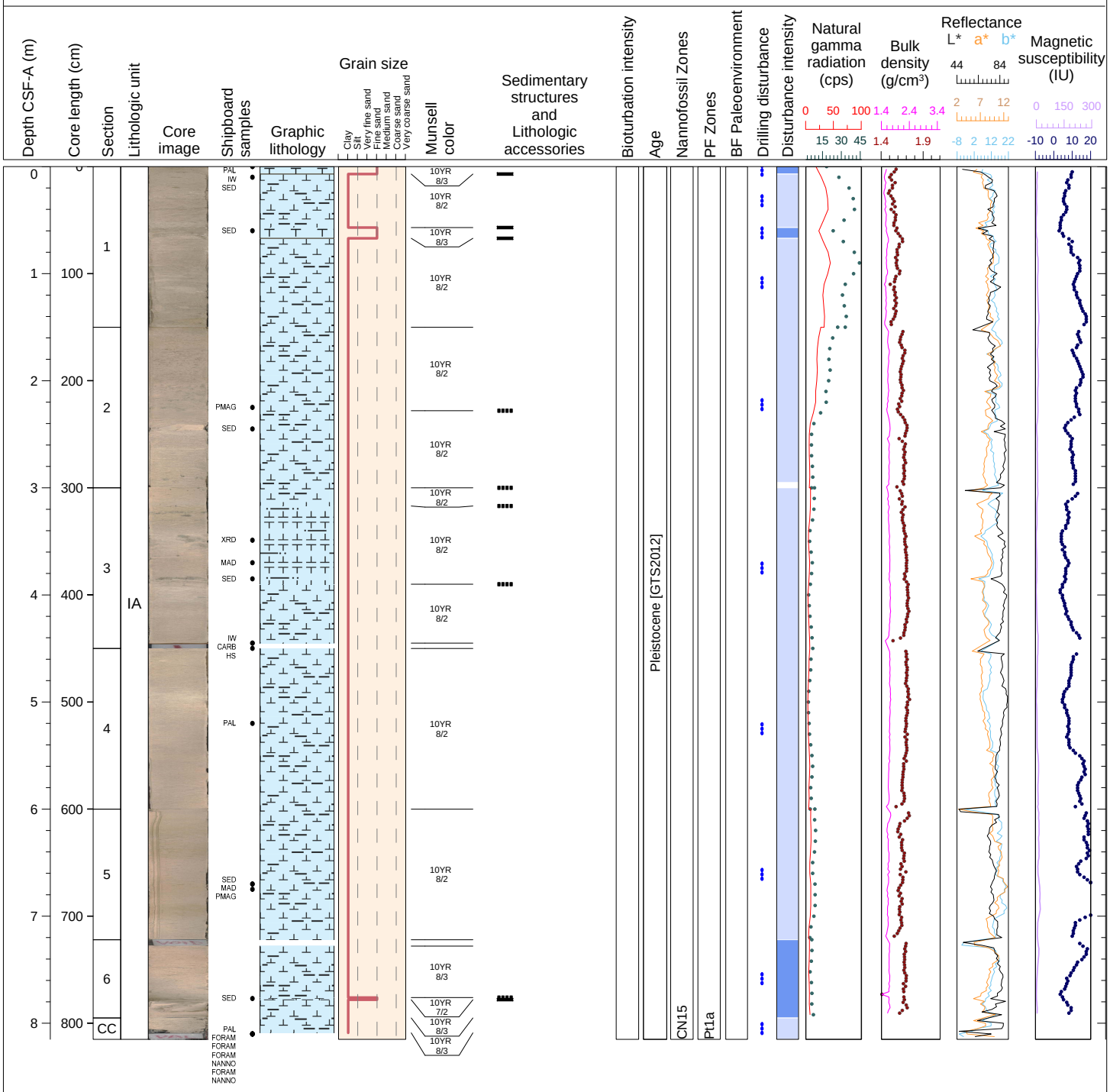
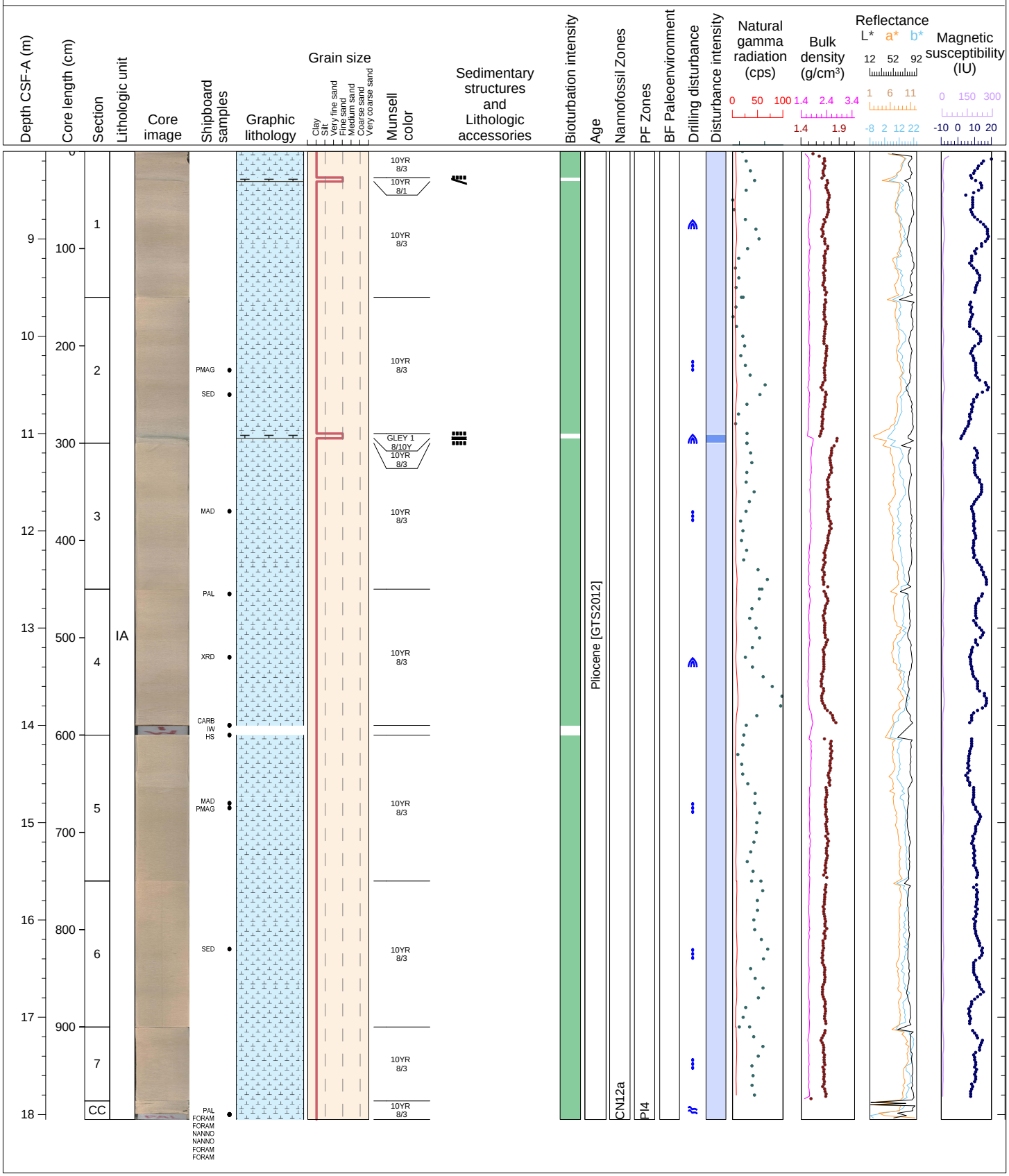
Hole 369-U1514A Core 1H, Interval 0.0-8.15 m (CSF-A)

Core 1H is dominated by very pale brown (10YR 8/3) nannofossil ooze with a few thin layers of foraminiferal ooze in Section 1 (0-7 cm, 57-67 cm), and Section 6 (54-56 cm). There is not apparent bioturbation. Dark intervals that contain possible Fe-Mn oxides are present in Sections 1 and 3. Drilling disturbance has resulted in a slight to moderate soupy texture.



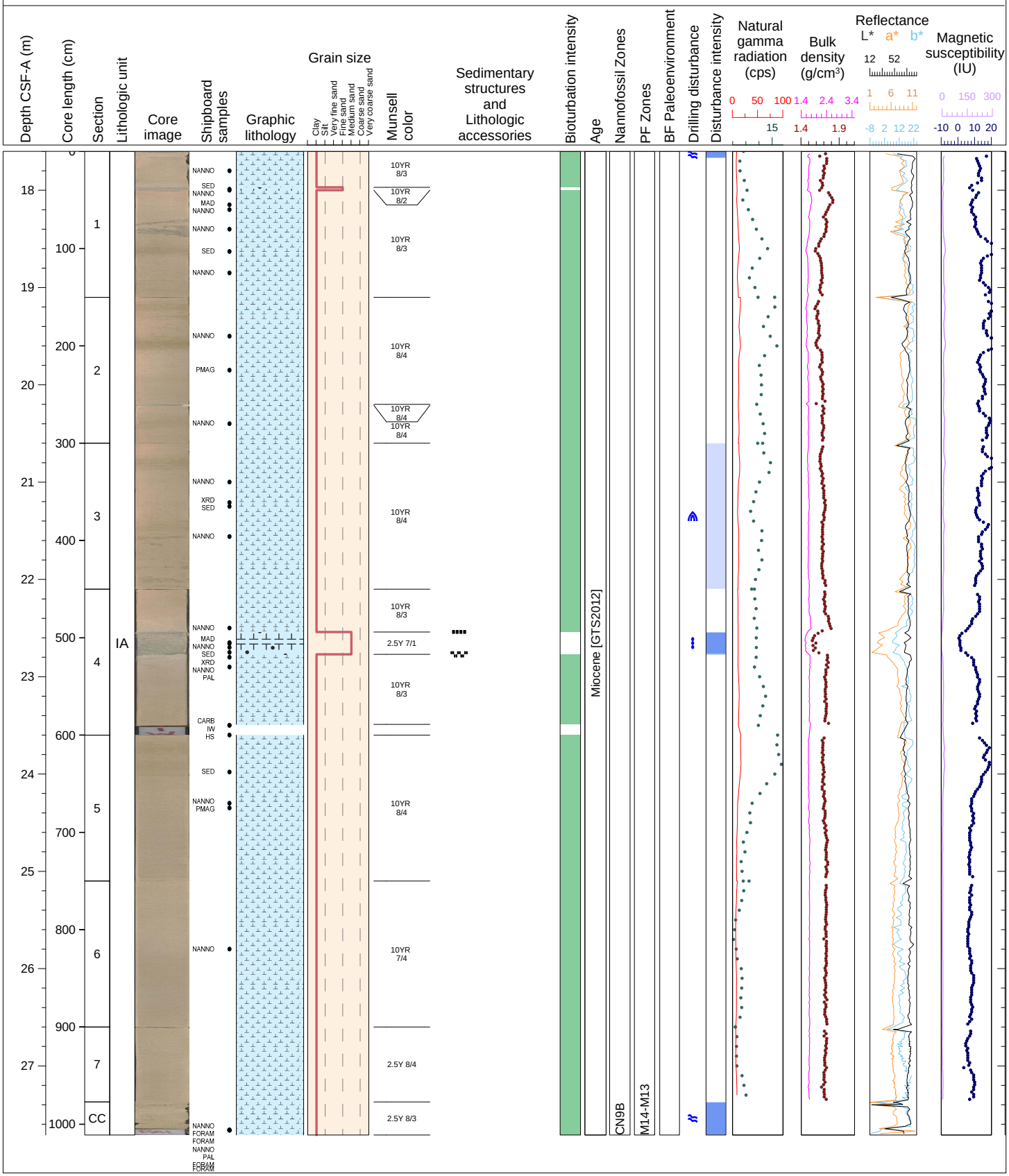
Hole 369-U1514A Core 2H, Interval 8.1-18.05 m (CSF-A)

Core 2H is dominated by very pale brown (10YR 8/3) nannofossil ooze with a few thin layers of foraminiferal ooze in Section 1 (27-31), and Section 2 (140-145 cm). There are only a few signs of slight bioturbation in Section 4 (112-120 cm). In Section 6 (67-82 cm) there are several grains of Fe oxides (?). Drilling disturbance has resulted in a slight to moderate soupy texture.



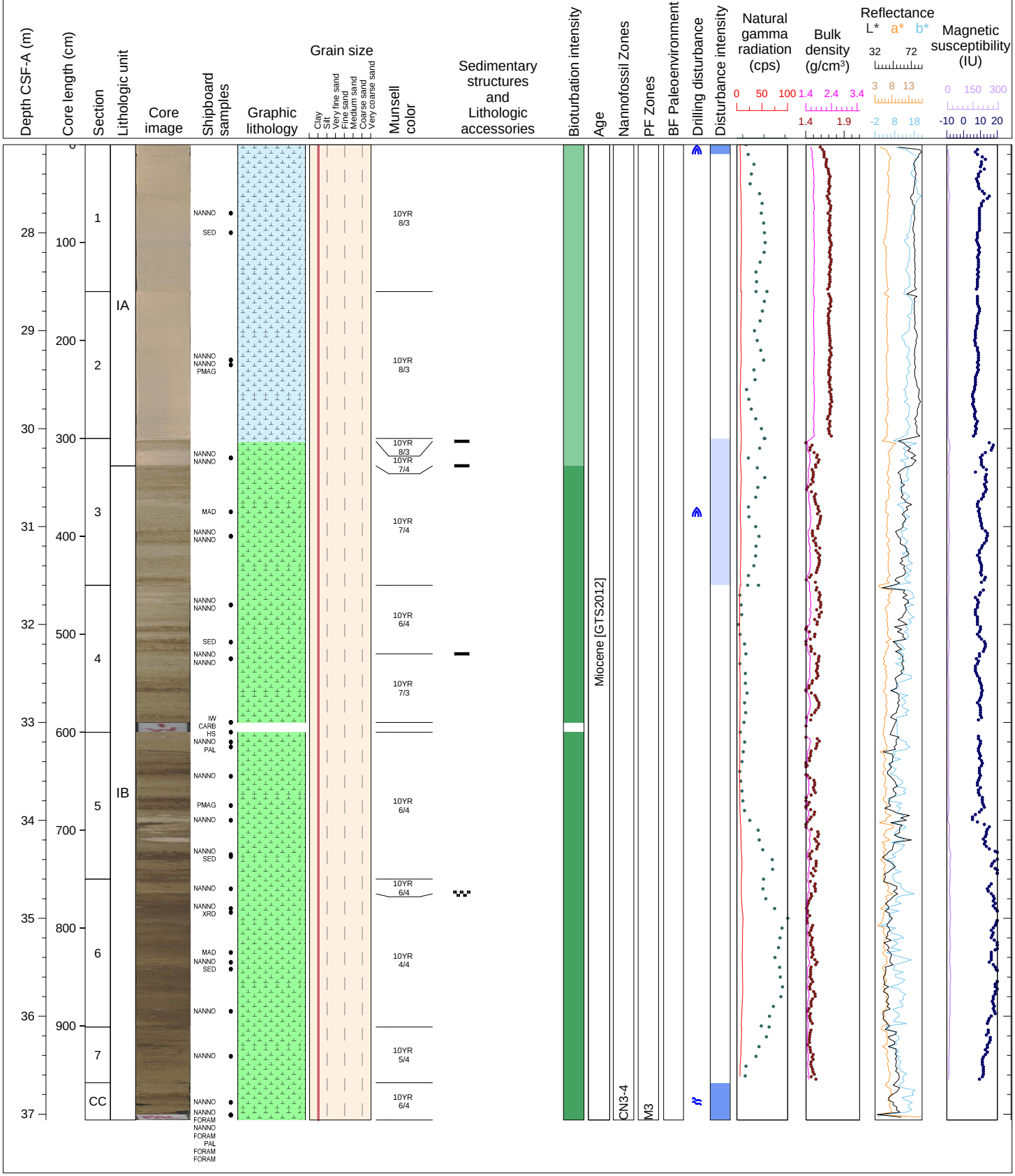
Hole 369-U1514A Core 3H, Interval 17.6-27.71 m (CSF-A)

Core 3H is dominated by very pale brown (10YR 8/3) to pale yellow (2.5Y 8/4)nannofossil ooze with a thin layer of medium grained sand rich nannofossil ooze in Section 4 (44-67 cm). There is evidence of some light bioturbation within the darker pale brown intervals of the core. Dark gray streaks of possible Fe-Mn oxides are present in Section 1 (71-89 cm). There are dispersed medium sand sized radiolarians dispersed throughout the core. Drilling disturbances are only observed in a few intervals in Sections 1 (moderate flowage from above), 3 (slightly bowed), 4 (moderately soupy), and 7 (moderate flowage).



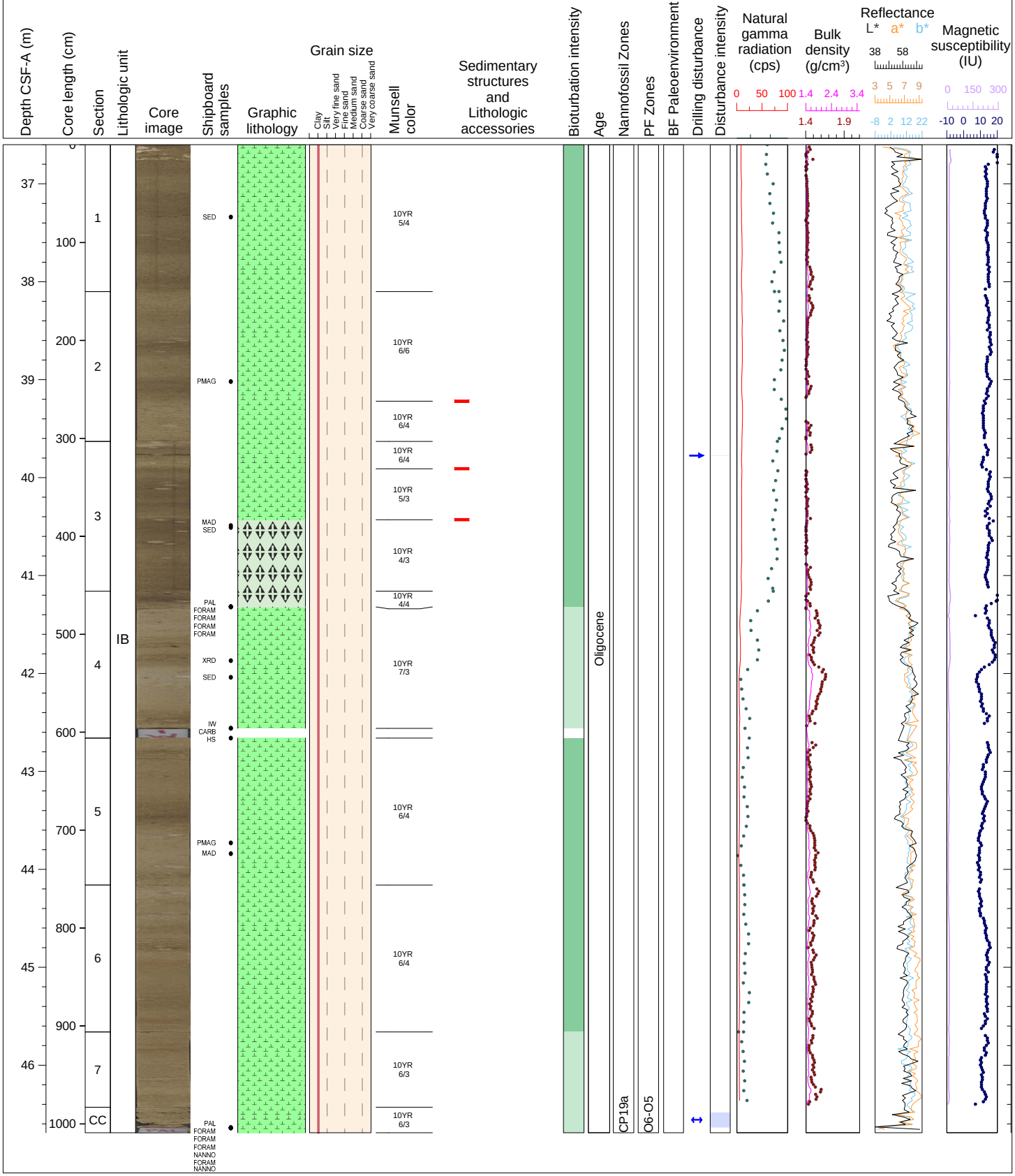
Hole 369-U1514A Core 4H, Interval 27.1-37.06 m (CSF-A)

Core 4H is dominated by very pale brown (10YR 8/3) nannofossil ooze and that becomes light yellowish brow (10YR 6/4) sponge spicule-rich nannofossil ooze with common radiolarians in Sections 4-CC. Small burrows are present throughout the core and are commonly infilled with sponge spicules and radiolarians. In Section 3 (3-28 cm), color gradually changes from 10YR 8/3 to 10YR 7/4 in the upper part of the interval. Below 28 cm in Section 3, color alternates from 10YR 7/4 to 10YR 6/4 every 50-60 cm. In Section 4 color gradually alternates back and forth between from 10YR 8/3 (very pale brown) to 10YR 5/4 (yellowish brown) several times throughout the section. Sharp boundary at bottom of this interval is a boundary between color cycles. In Section 5, there is a dark brown band between 21-22 cm. There is also moderate to severe soft sediment deformation between 85 and 113 cm and color alternates from 10YR 8/3 (very pale brown) to 10YR 4/3 (brown).



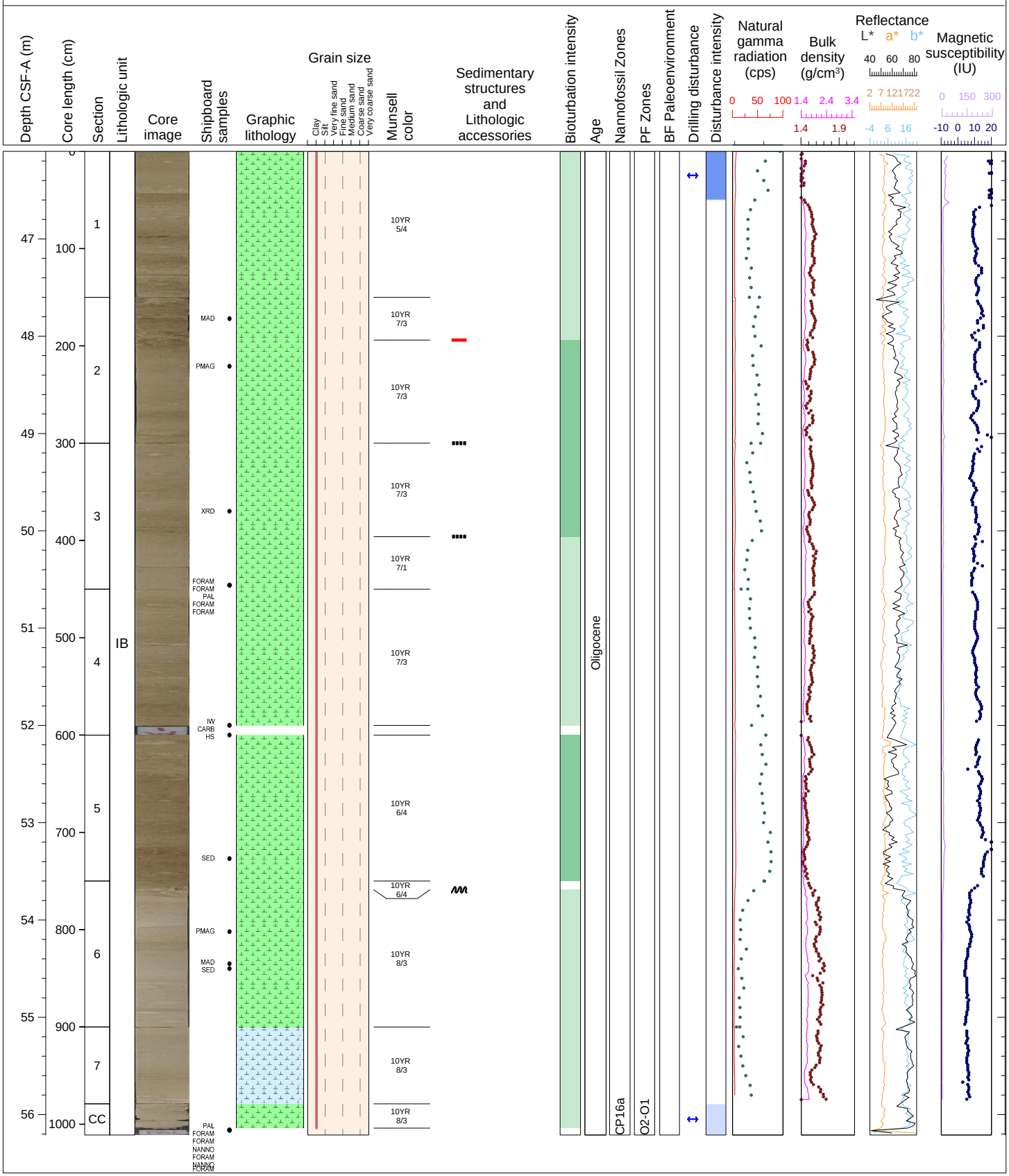
Hole 369-U1514A Core 5H, Interval 36.6-46.69 m (CSF-A)

Core 5H is dominated by a light yellowish brown (10YR 6/4), yellowish brown (10YR 5/4, 6/6) and brown (10YR 5/3, 4/3) sponge spicule-rich nannofossil ooze with radiolarians and biosilieceous ooze with clay. Bioturbation is low to sparse. Small burrows are dispersed throughout and are infilled with sponge spicules and radiolarians and likely to be to chondrites burrows. Planolites burrows are also common throughout - they that are very pale brown (10YR 8/4) in color with a siliceous infill. In Section 3 (0-28 cm), color changes from brown (10YR 5/3) to very pale brown (10YR 7/4). In Section 3 (80 to 153 cm), color changes from brown (10YR 4/3) to yellowish brown (10YR 5/4). In Section 4 (0 to 16 cm), color changes from dark yellowish brown (10YR 4/4) to light yellowish brown (10YR 6/4). In Section 4 (16 to 140 cm), color changes from very pale brown (10YR 7/3) to light yellowish brown (10YR 6/4), to yellowish brown (10YR 5/4), to light brownish gray (10YR 6/2), to very pale brown (10YR 7/3), and finally to yellowish brown (10YR 5/4). In Section 5 (0 to 150 cm), color changes from very pale brown (10YR 7/4), to yellowish brown (10YR 5/4), and finally to pale brown (10YR 6/3). At 98-102 and 125-138 cm. There are black discolorations at 8 and 40 cm. In Section 6, there are black discolorations at 7-9 and 64-65 cm. Mousse like drilling disturbances are only evident in CC.



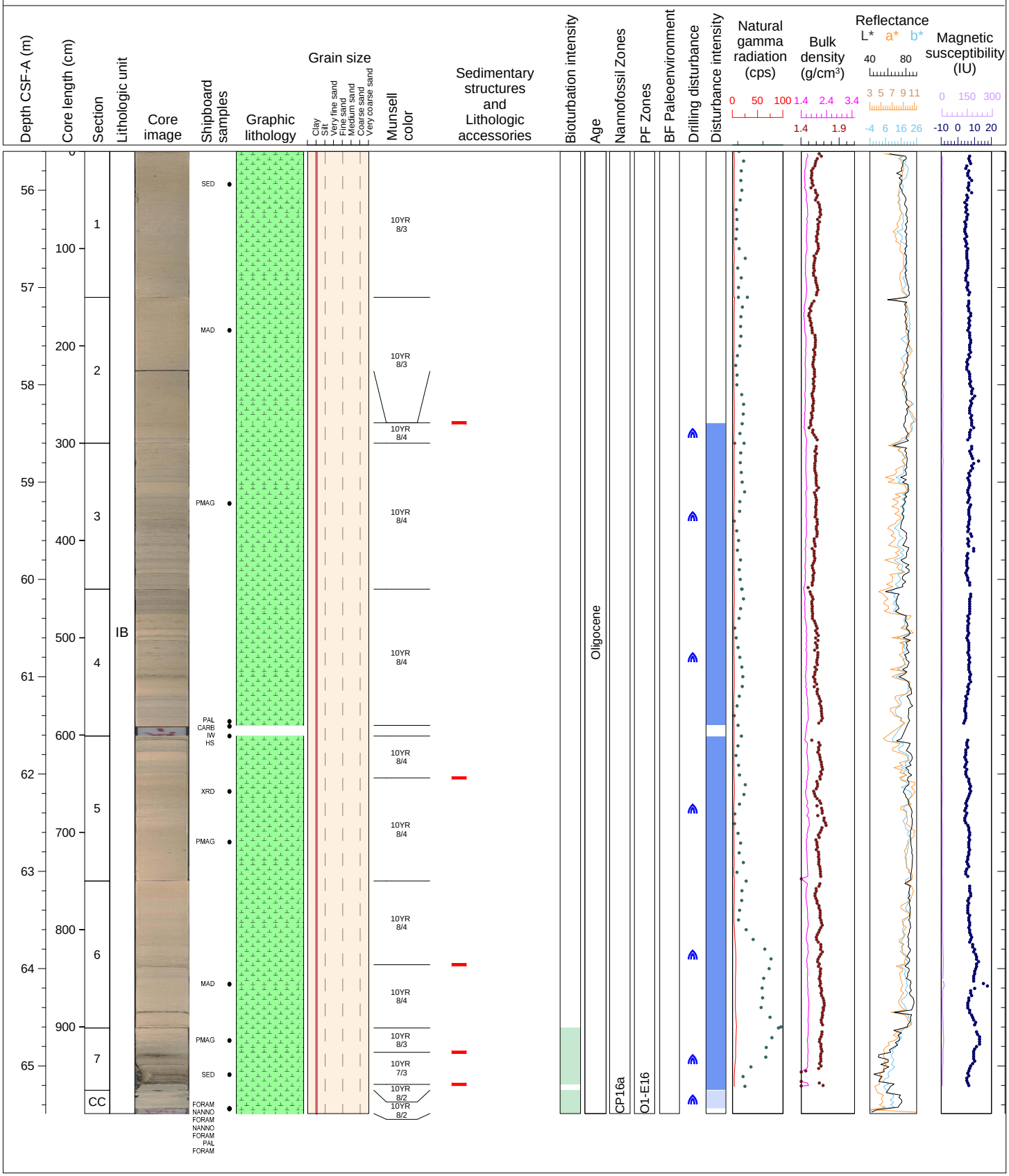
Hole 369-U1514A Core 6H, Interval 46.1-56.21 m (CSF-A)

Core 6H is dominated by a very pale brown (10YR 7/3, 8/3) and light yellowish brown (10YR 6/4) sponge spicule rich nannofossil ooze with radiolarians. Bioturbation is low to sparse. Planolites burrows are also common throughout - they that are very pale brown (10YR 8/4) in color with a siliceous infill. The exception to this is Section 3, which has no discrete burrows. In Section 2, there is a black discoloration at 88 cm. There are three color changes that start at brown (10YR 5/3), then go to very pale brown (10YR 7/3), then back to brown (10YR 5/3). In Section 4, there is black discoloration at base of a burrow at 58 cm. Between 5-10 cm in Sections 5 (5-10 cm) and 6 (9-15 cm) there are disturbances that are likely to be burrows that are infilled with pale brown siliceous-rich material. In Section 6, there is gray discoloration at 49 cm. In Section 7, there are linear gray discolorations at 41 and 52 cm,



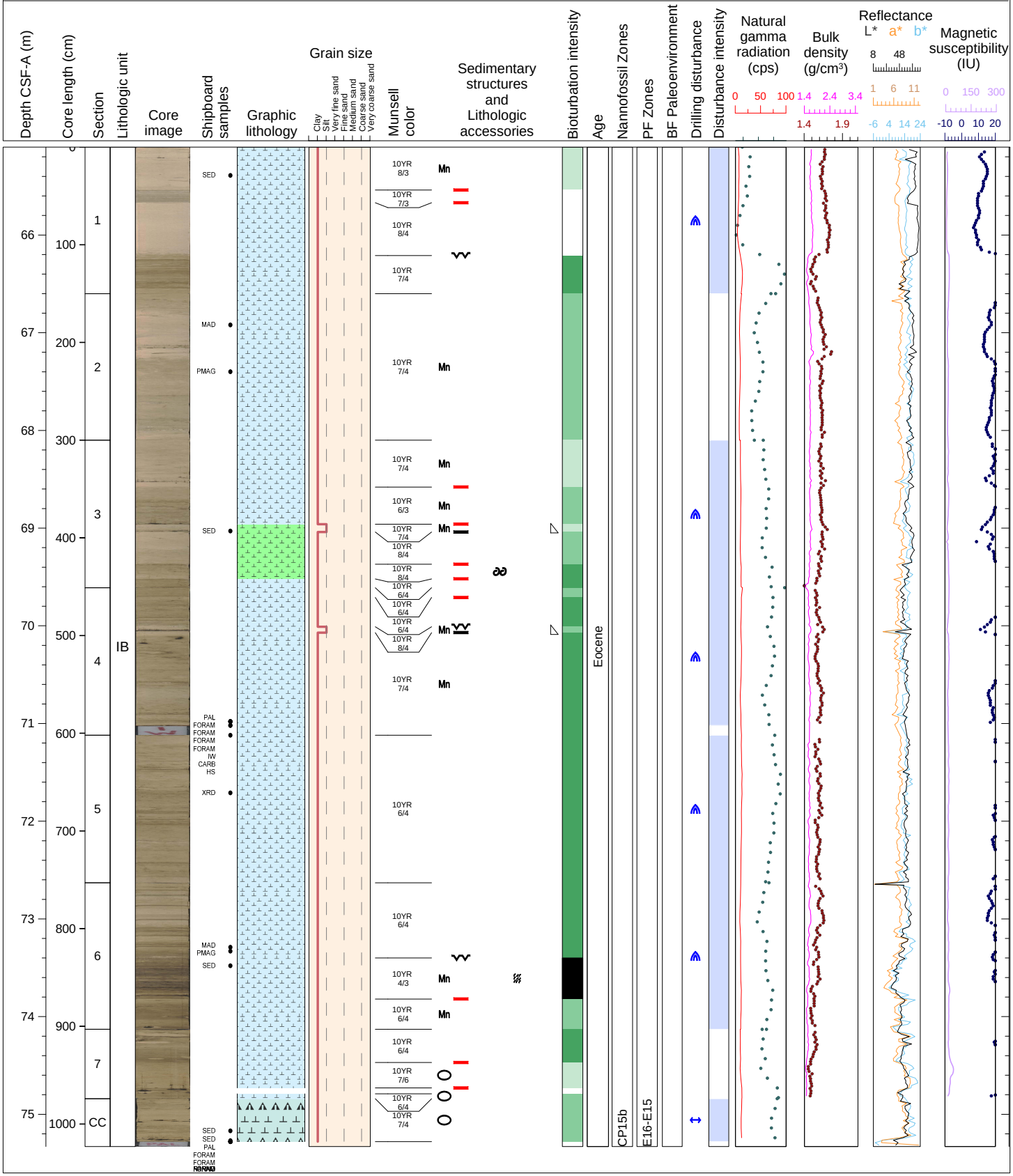
Hole 369-U1514A Core 7H, Interval 55.6-65.49 m (CSF-A)

Core 7H is dominated by very pale brown (10YR 8/4) sponge spicule-rich nannofossil ooze with radiolarians. Discrete black discolorations are dispersed throughout the core and are occasionally present as small (a few mm in diameter) nodules or grains. These might be Fe-Mn oxides. In Section 2 from 129 to 150 cm begins an alternation of colors between very pale brown (10YR 8/4) and light gray (10YR 7/2). This alternation of color continues until ~43 cm in Section 5. In Section 7, there are non-rhythmic changes in color from very pale brown (10YR 7/3) to grayish brown (10YR 5/2) to dark gray (10YR 4/1) then at 56 cm there is a diffuse boundary and the color changes to very pale brown (10YR 8/2) throughout the end of the core. In the CC there is a thin (~0.5 cm) thick gray color band.



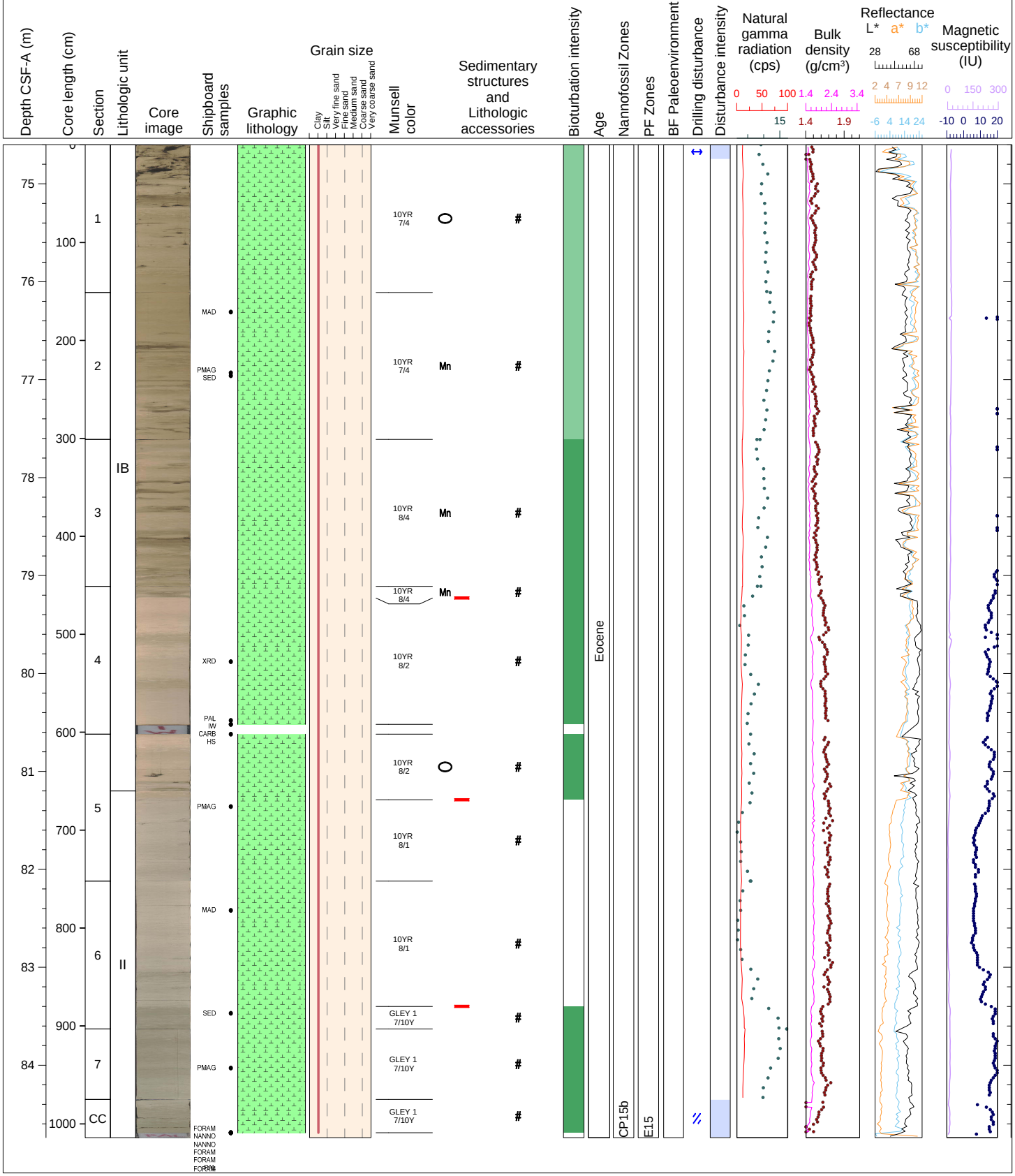
Hole 369-U1514A Core 8H, Interval 65.1-75.33 m (CSF-A)

Core 8H is dominated by a very pale brown (10YR 8/4) to light yellow (10YR 6/4) nannofossil ooze with sponge spicules and biosiliceous nannofossil ooze. Manganese(?) (in nodular and in a disseminated form) is common throughout the core. Bioturabtion intensity is described as sparse to moderate with common planolites. Graded beds with sharp bases are present in Sections 3 and 4. Color banding (light to dark) is most prominent in Sections 1, 4, 6 and 7. The core exhibits a slightly bowed drilling disturbance.



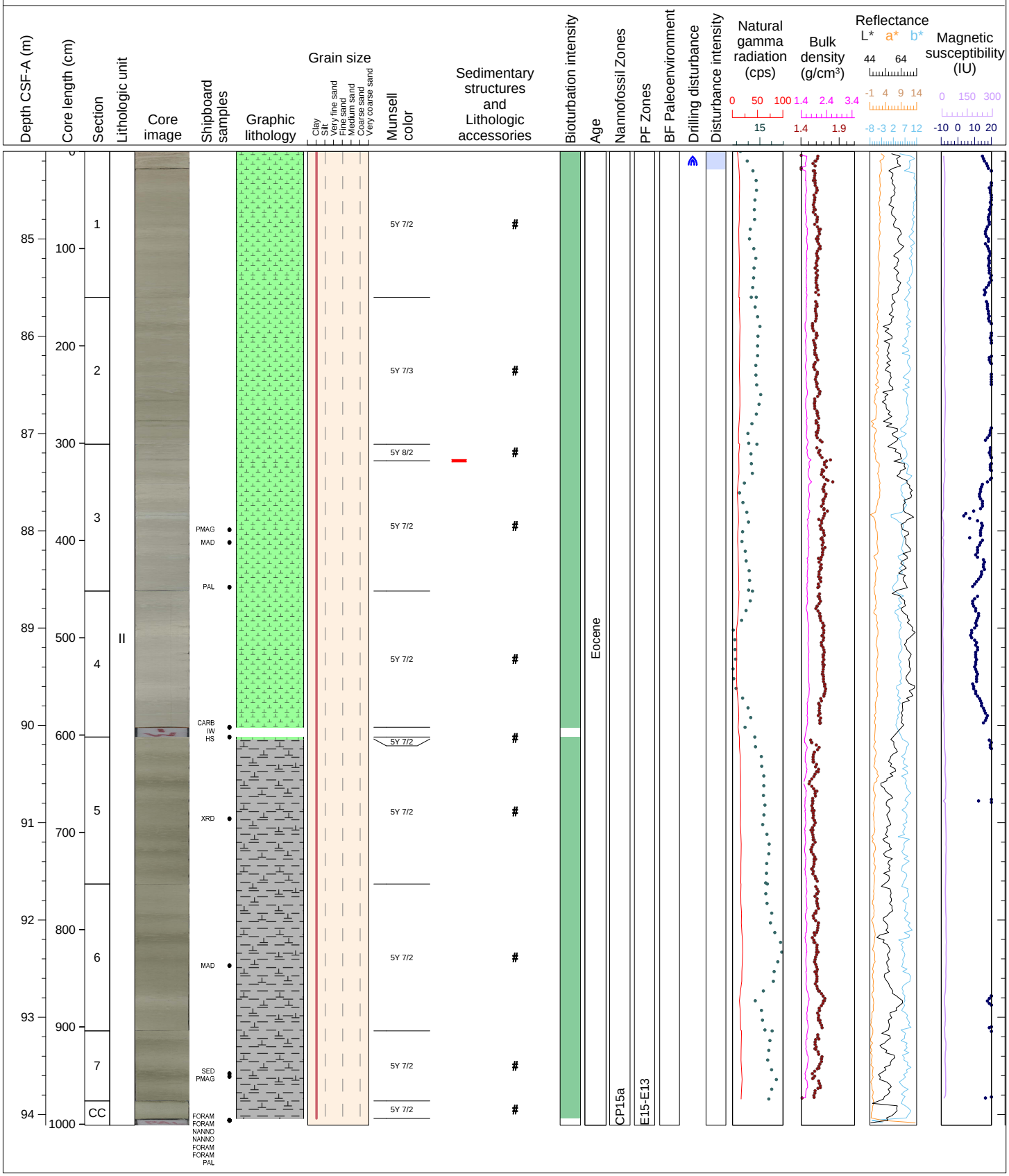
Hole 369-U1514A Core 9H, Interval 74.6-84.74 m (CSF-A)

Core 9H is dominated by a very pale brown (10YR 8/4 an 7/4), white (10YR 8/1), and light greenish gray (Gley 1 7/10Y) sponge spicule-rich nannofossil ooze. Manganese(?) (in nodular and in a disseminated form) is common in Sections 1, 2 and 5. Bioturbation intensity is moderate to low. Color banding (light to dark) is most prominent in Sections 4, The core exhibits no drilling disturbance, except in the top of Section 1 (gas expansion) and in the CC (slight fractured).



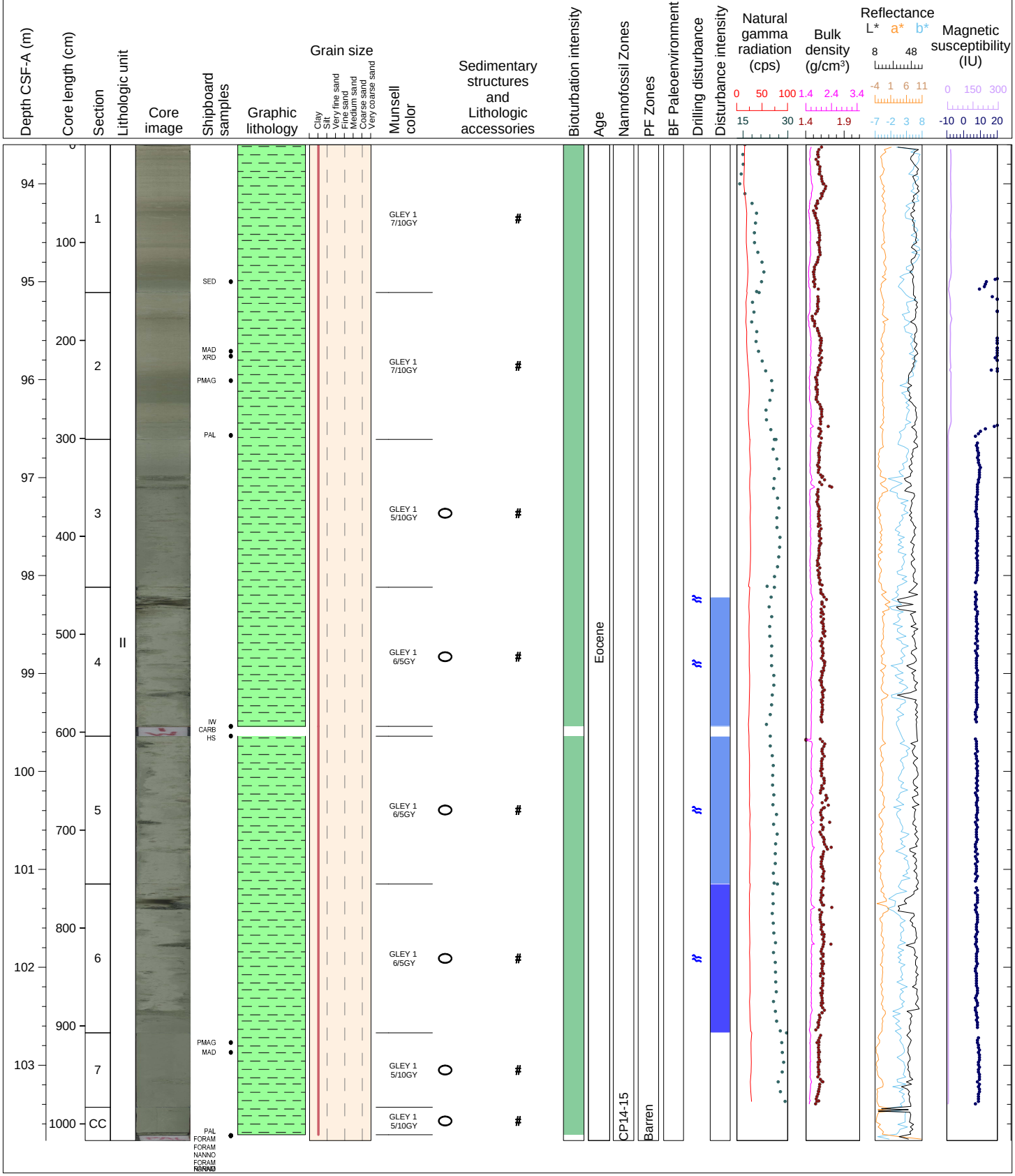
Hole 369-U1514A Core 10H, Interval 84.1-94.11 m (CSF-A)

Core 10H is dominated by a pale yellow (5Y 7/3) sponge spicule-rich nannofossil ooze to light gray (5Y 7/2) sponge spicule rich nannofossil ooze with clay. Color changes are subtle and regular throughout the core: In Sections 2 and 3, there are light olive gray (GLEY 1 6/10) and grayish green intervals; in Section 4, there are light greenish gray (GLEY 1 8/10GY) intervals; In Section 5, there are gray intervals (5Y 7/2); and in Section 6, there are white (5Y 8/1) and light olive gray (5Y 6/2) intervals. Bioturbation is low throughout. The core exhibits no drilling disturbances except in the first 13 cm of Section 1 where it is slightly bowed.



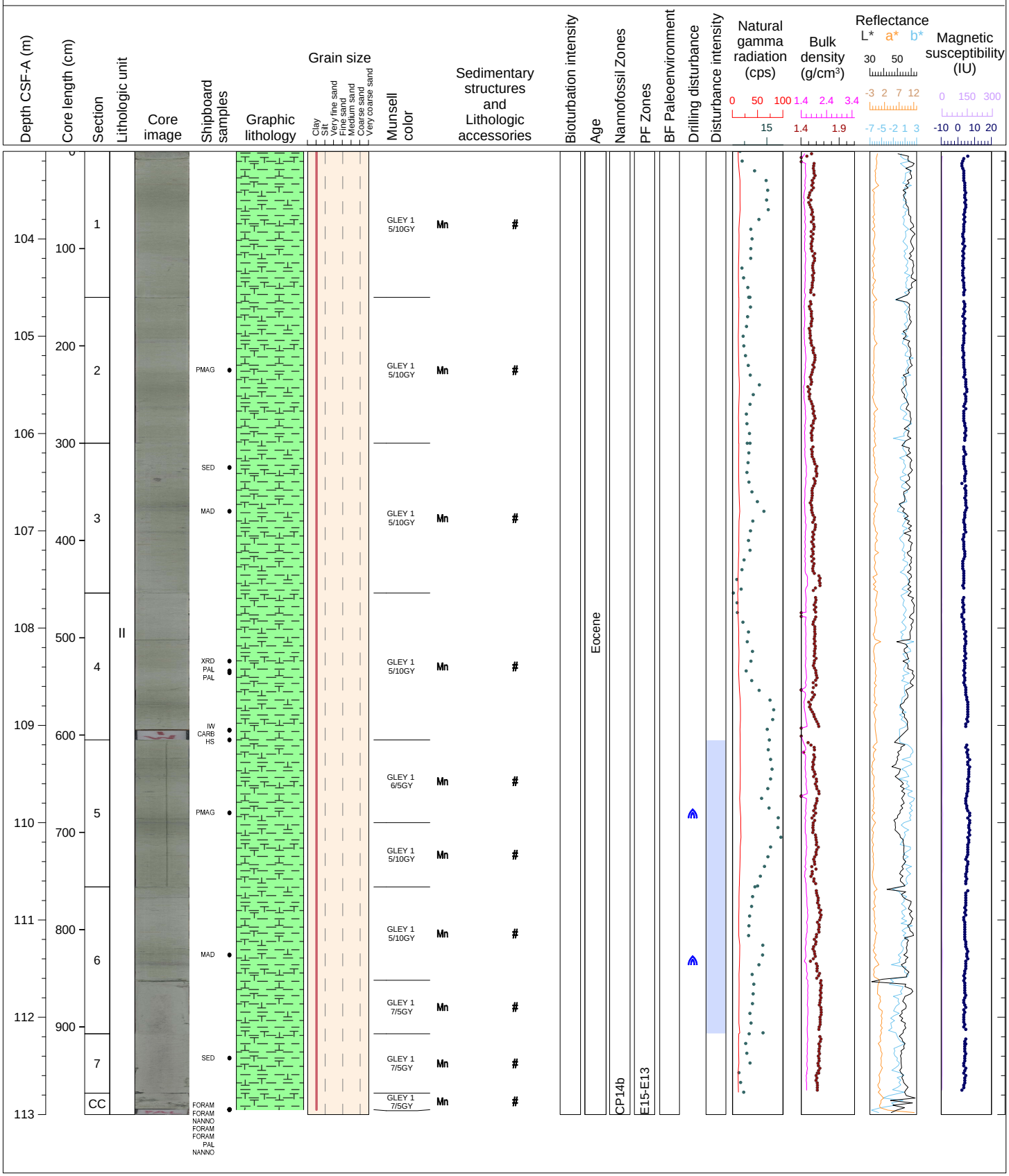
Hole 369-U1514A Core 11H, Interval 93.6-103.77 m (CSF-A)

Core 11H is dominated by a light greenish gray (GLEY1 7/10GY) to greenish gray (GLEY1 6/10GY and 5/GY) sponge spicule-rich clay with nannofossils. Darker intervals are present in Section 1 (GLEY1 6/10GY) and in Section 2 (GLEY1 5/GY) in the light greenish gray clay. Chert nodules are present in Sections 3, 4, 5 and 6, Bioturbation is low throughout. The core exhibits no drilling disturbances except for Sections 5 and 6, where there is moderate flowage.



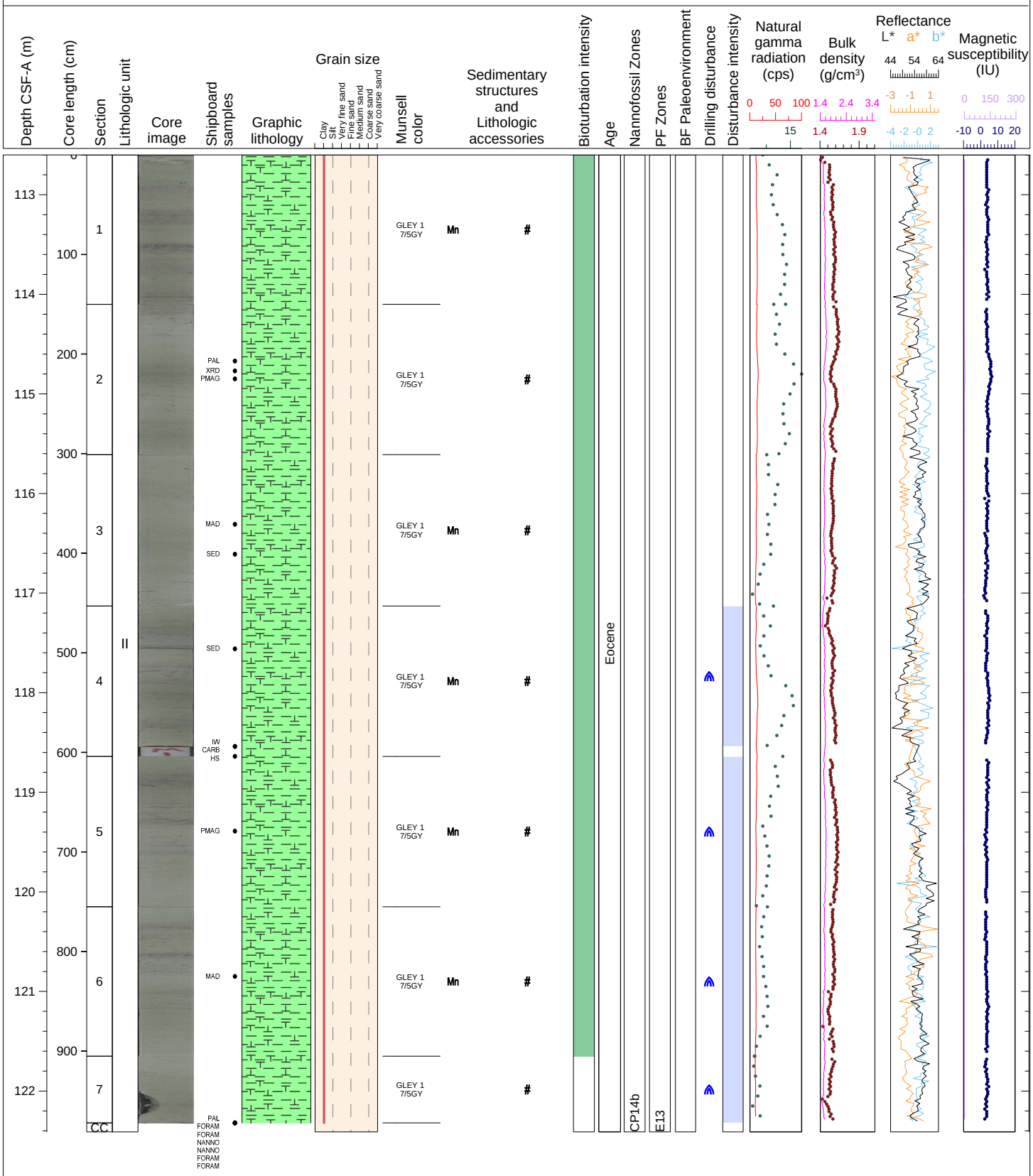
Hole 369-U1514A Core 12H, Interval 103.1-113.0 m (CSF-A)

Core 12H is dominated by a light greenish gray (GLEY1 7/5GY) to greenish gray (GLEY1 6/10GY and 5/10GY) nannofossil and sponge spicule-rich clay. Disseminated manganese(?) is common throughout the core. Chert/claystone nodules are present in Sections 7 and in the CC, The core exhibits no drilling disturbances except for being slightly bowed in Section 5 and 6.



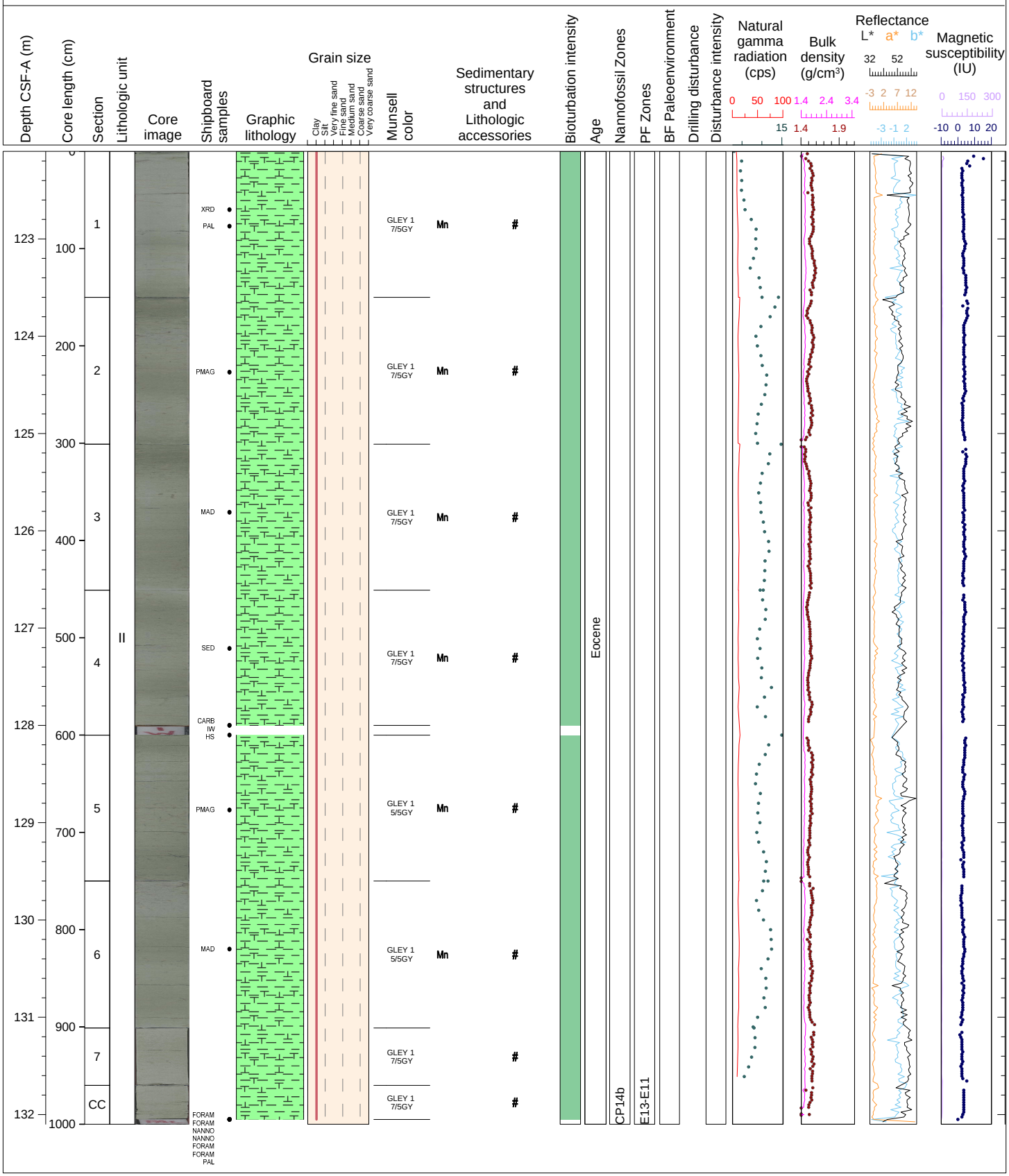
Hole 369-U1514A Core 13H, Interval 112.6-122.41 m (CSF-A)

Core 13H is dominated by a light greenish gray (GLEY1 7/5GY) nannofossil and sponge spicule-rich clay. Bioturbation intensity is low. Disseminated oxide(?) minerals are common throughout the core. The core exhibits slightly bowed drilling disturbance.



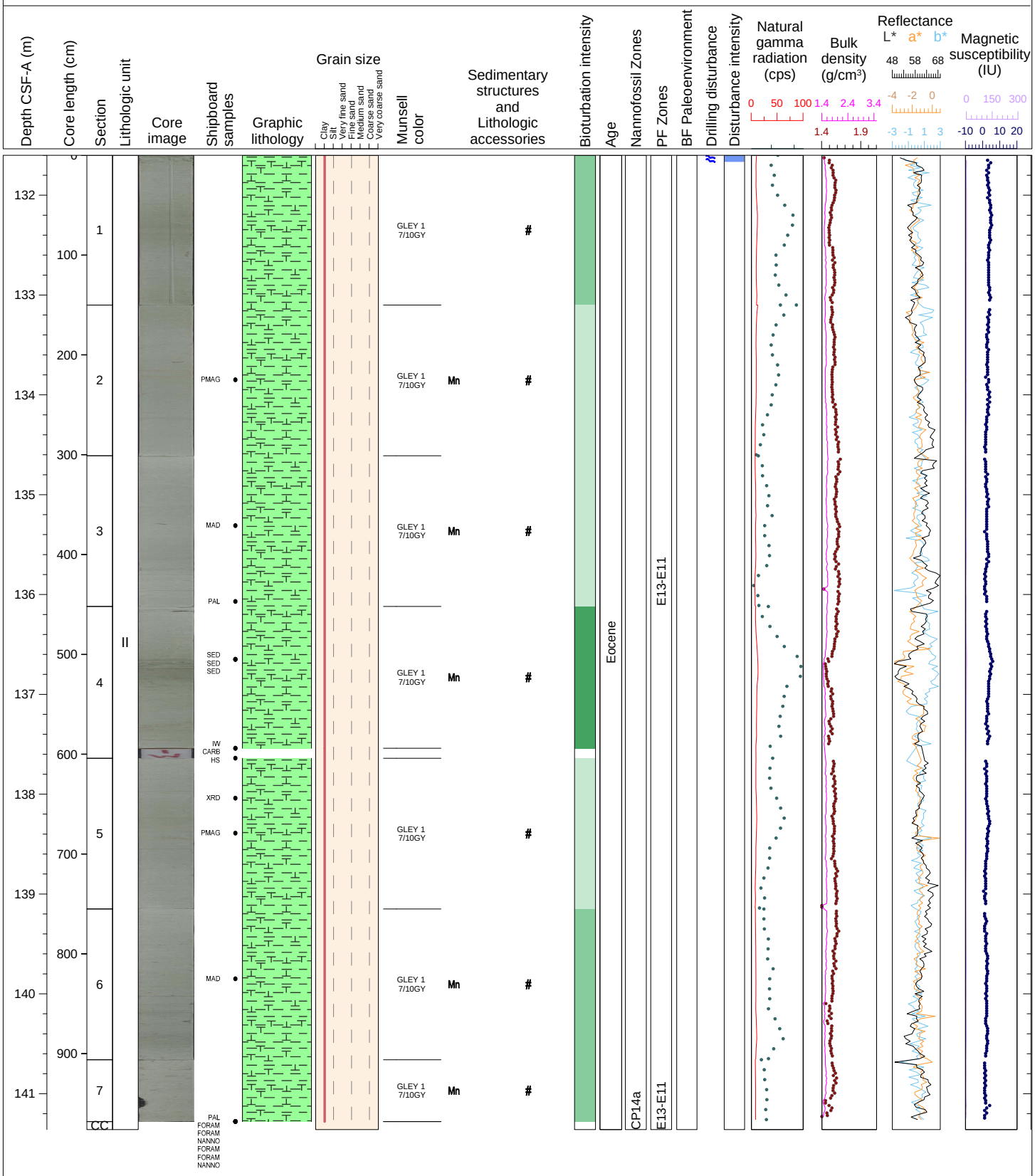
Hole 369-U1514A Core 14H, Interval 122.1-132.1 m (CSF-A)

Core 14H is dominated by a light greenish gray (GLEY1 7/5GY) to greenish gray (GLEY1 5/GY) nannofossil and sponge spicule-rich clay with nannofossils. Disseminated oxide(?) minerals are common throughout the core. Bioturbation intensity is low throughout. The core exhibits no drilling disturbance.



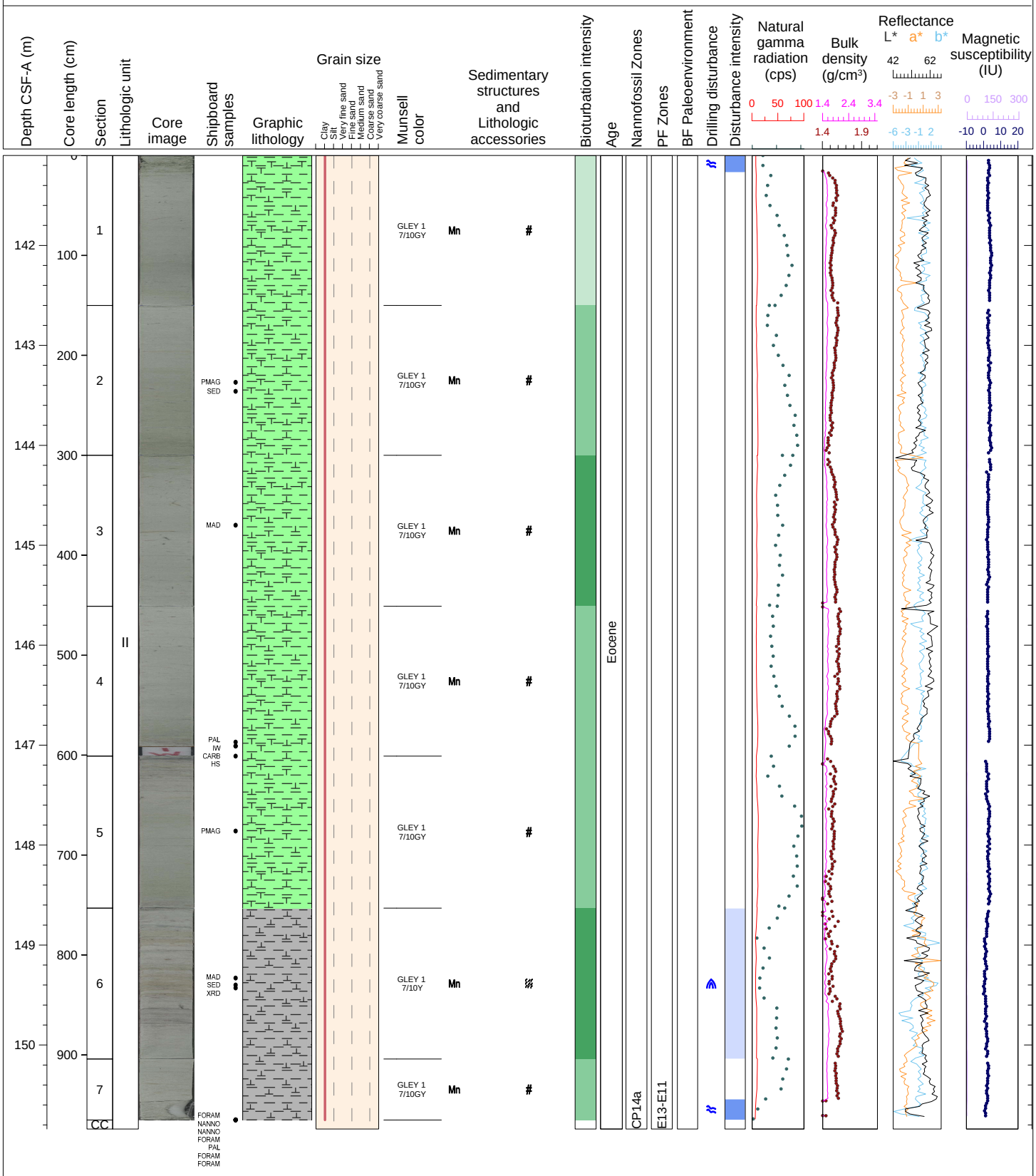
Hole 369-U1514A Core 15H, Interval 131.6-141.36 m (CSF-A)

Core 15 H is dominated by a light greenish gray (GLEY 1 7/10GY) nannofossil and sponge spicule-rich clay. There are black steaks and patches of possible Fe-Mn oxides dispersed throughout the core. Bioturbation intensity ranges from sparse to moderate. In Section 4 there is a slightly darker interval that is pale green (GLEY 1 6/5G) from 64-82 cm. The core has not been significantly disturbed during drilling with the exception of the top 7 cm of Section 1 which exhibits moderate flowage.



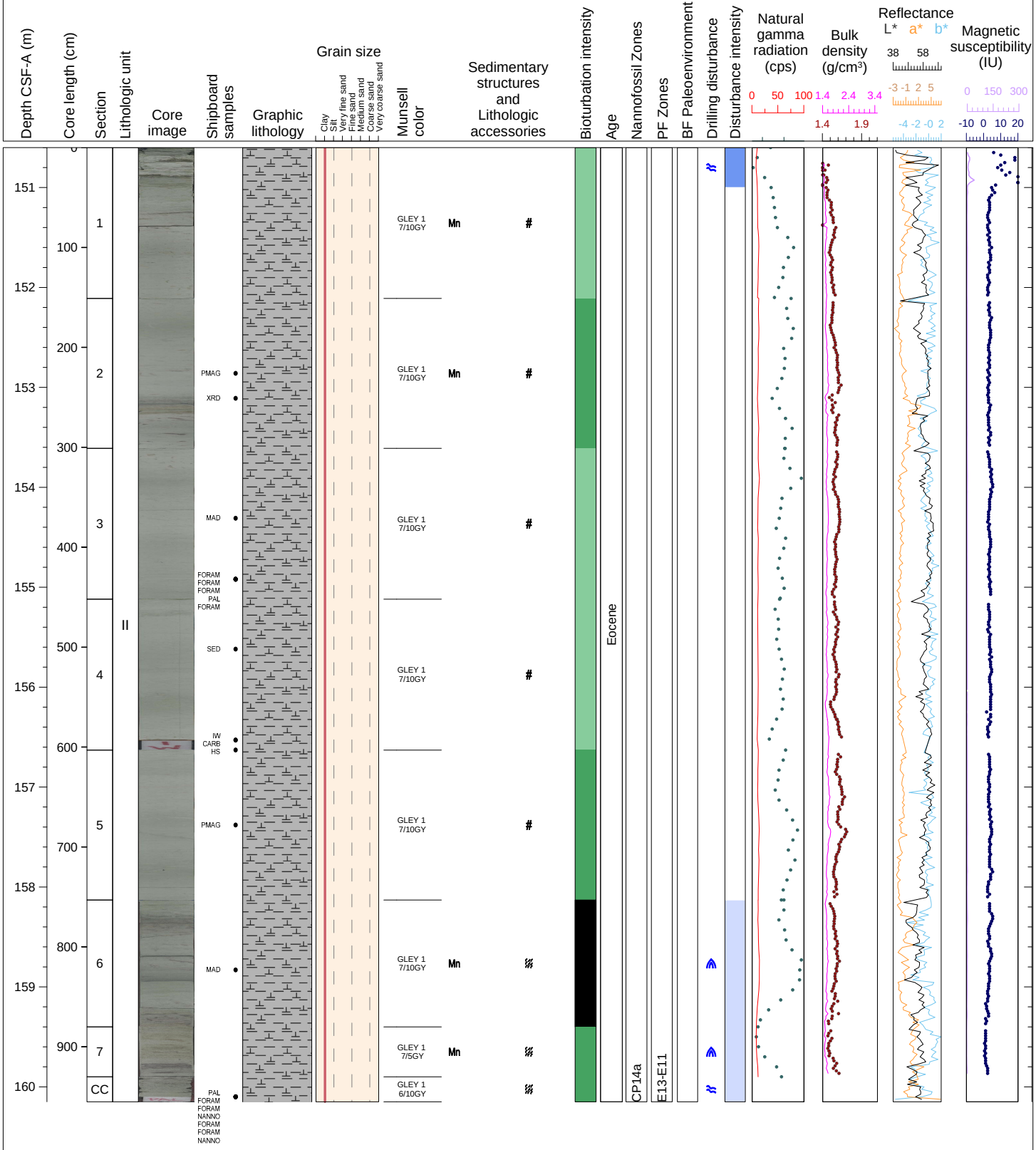
Hole 369-U1514A Core 16H, Interval 141.1-150.84 m (CSF-A)

Core 16 H is dominated by a light greenish gray (GLEY 1 7/10GY, GLEY 1 7/10Y) nannofossil and sponge spicule-rich clay to a nannofossil-rich clay with sponge spicules. The core is slightly mottled throughout with burrows that are infilled with light brown and gray minerals (possible Fe oxides and Fe-Mn oxides). Bioturbation intensity ranges from sparse to moderate. In Section 6, there are a number of gray and pale brown infilled burrows that have given the section a moddled texture. This interval also has slightly more clay and radiolarians than other sections in the core. The core has not be greatly disturbed by drilling and only exhibits moderate flowage in the top 17 cm of Section 1 and at the bottom of Section 7 (42-61 cm).



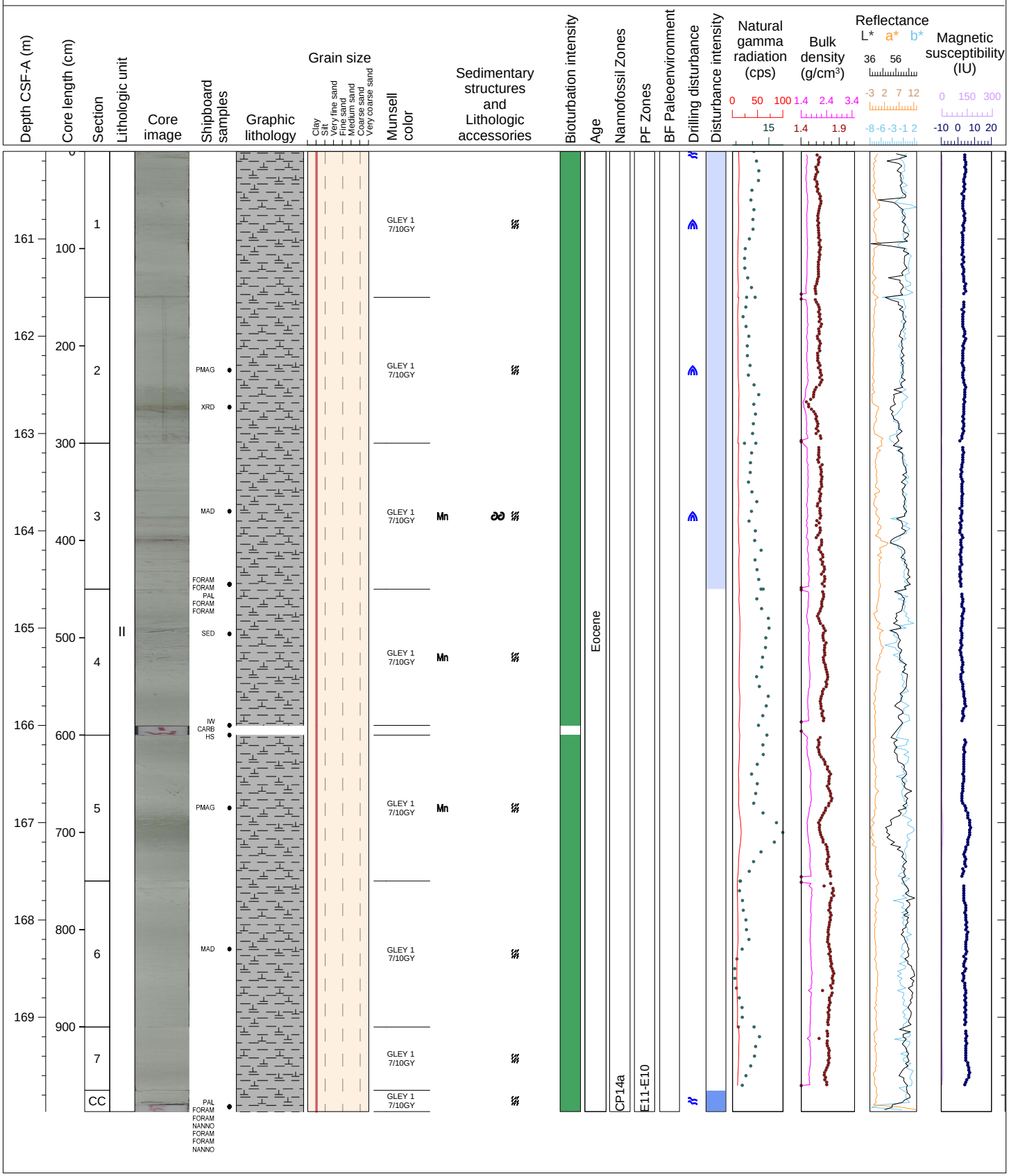
Hole 369-U1514A Core 17H, Interval 150.6-160.15 m (CSF-A)

Core 17H is dominated by a light greenish gray (GLEY 1 7/10GY) nannofossil-rich clay with sponge spicules with several intervals that are significantly grayer. Discrete burrows are rare and dispersed throughout the core. They appear to be filled with Fe-oxides(?) and Fe-Mn oxides(?) which has resulted in their pale brown and gray colors. Drilling disturbance is present at the top of Section1 and in the CC, both resulted in moderate flowage.



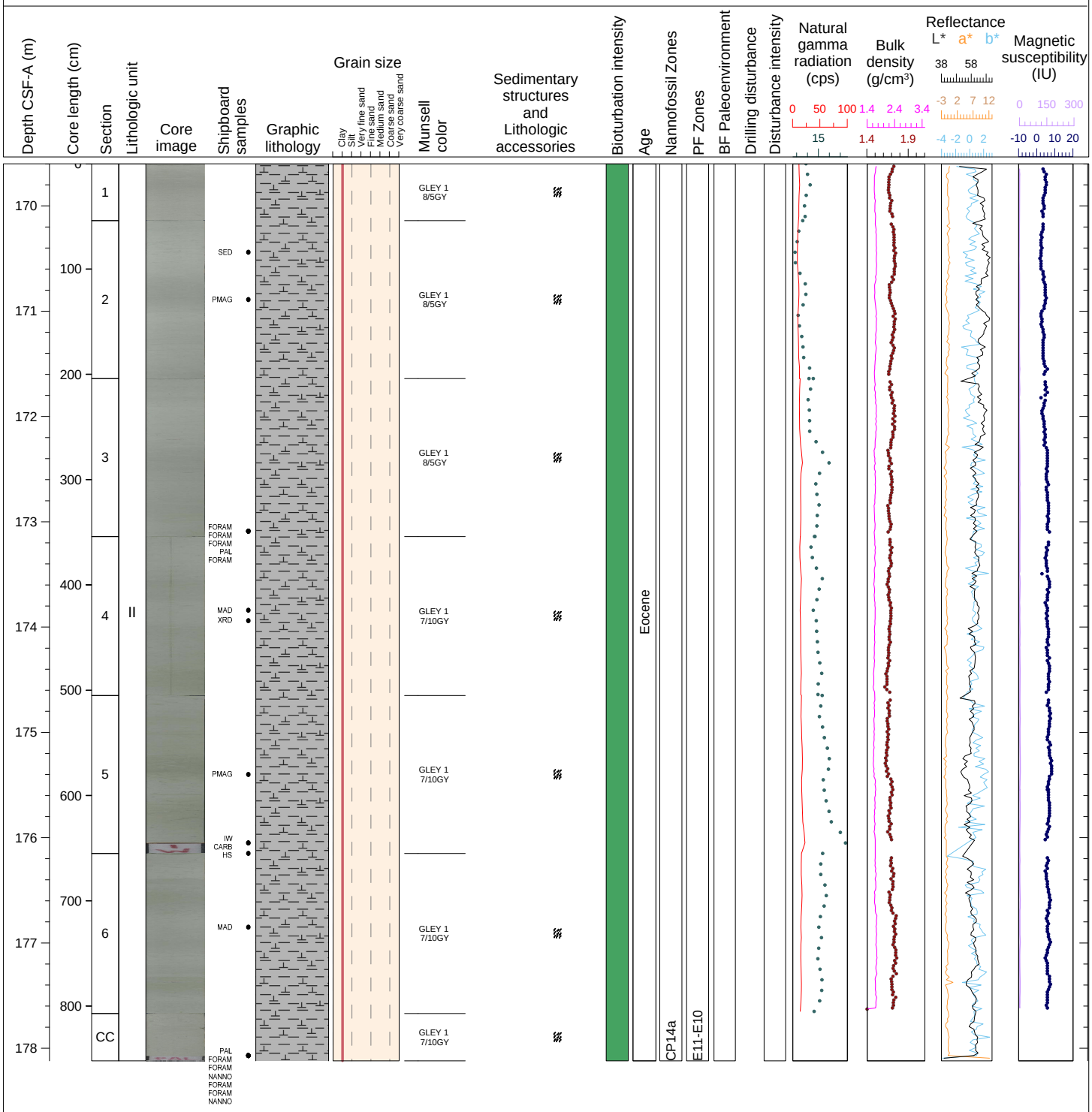
Hole 369-U1514A Core 18H, Interval 160.1-169.97 m (CSF-A)

Core 18H is dominated by a light greenish gray (GLEY 1 7/10GY) nannofossil-rich clay with sponge spicules. The core is mottled with burrows that are difficult to distinguish due to the lack of color change throughout much of the core. Several intervals with distinct burrows are present in Sections 3 and 4 and are infilled with Fe-Mn oxides(?). Possible veins(?) or conjugate fractures(?) are present in Sections 4-6 and are infilled with a black mineral, possible Fe-Mn oxide. Drilling disturbance is described as slight to moderate with flowage being identified in the top of Section 1 and the bottom of the CC. In addition, there is some slight bowing in Sections 1-4.



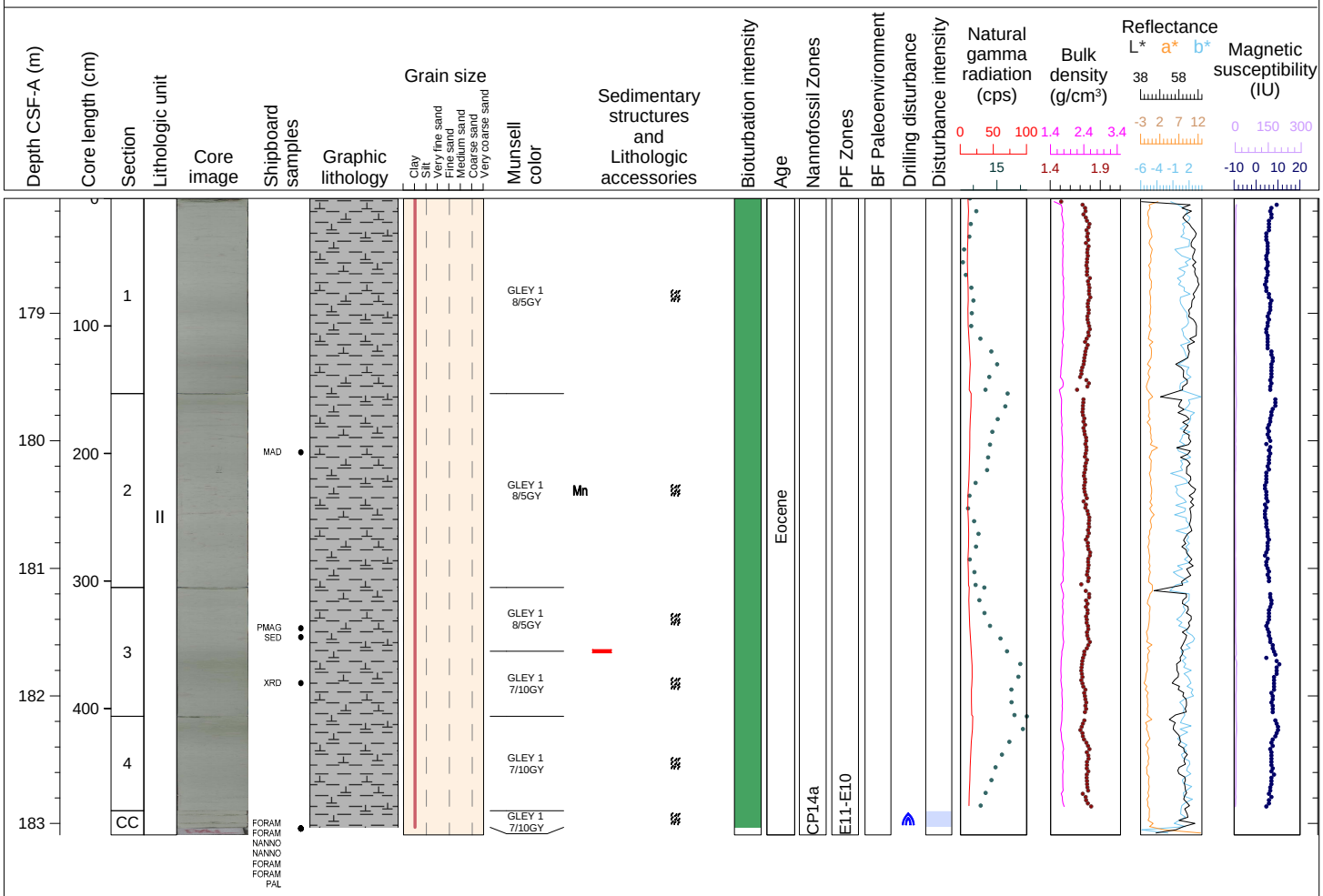
Hole 369-U1514A Core 19H, Interval 169.6-178.12 m (CSF-A)

Core 19H is dominated by a light greenish gray (GLEY 1 8/5GY) nannofossil-rich clay with sponge spicules that becomes a slightly darker light greenish gray (GLEY 1 7/10GY) in Sections 4-CC. Bioturbation intensity is moderate with occasional discrete burrows (zoophycos, planolites, and chondrites) throughout. Occasionally, burrows are infilled with a dark gray mineral, possibly Fe-Mn oxide. No drilling disturbance was observed within this core.



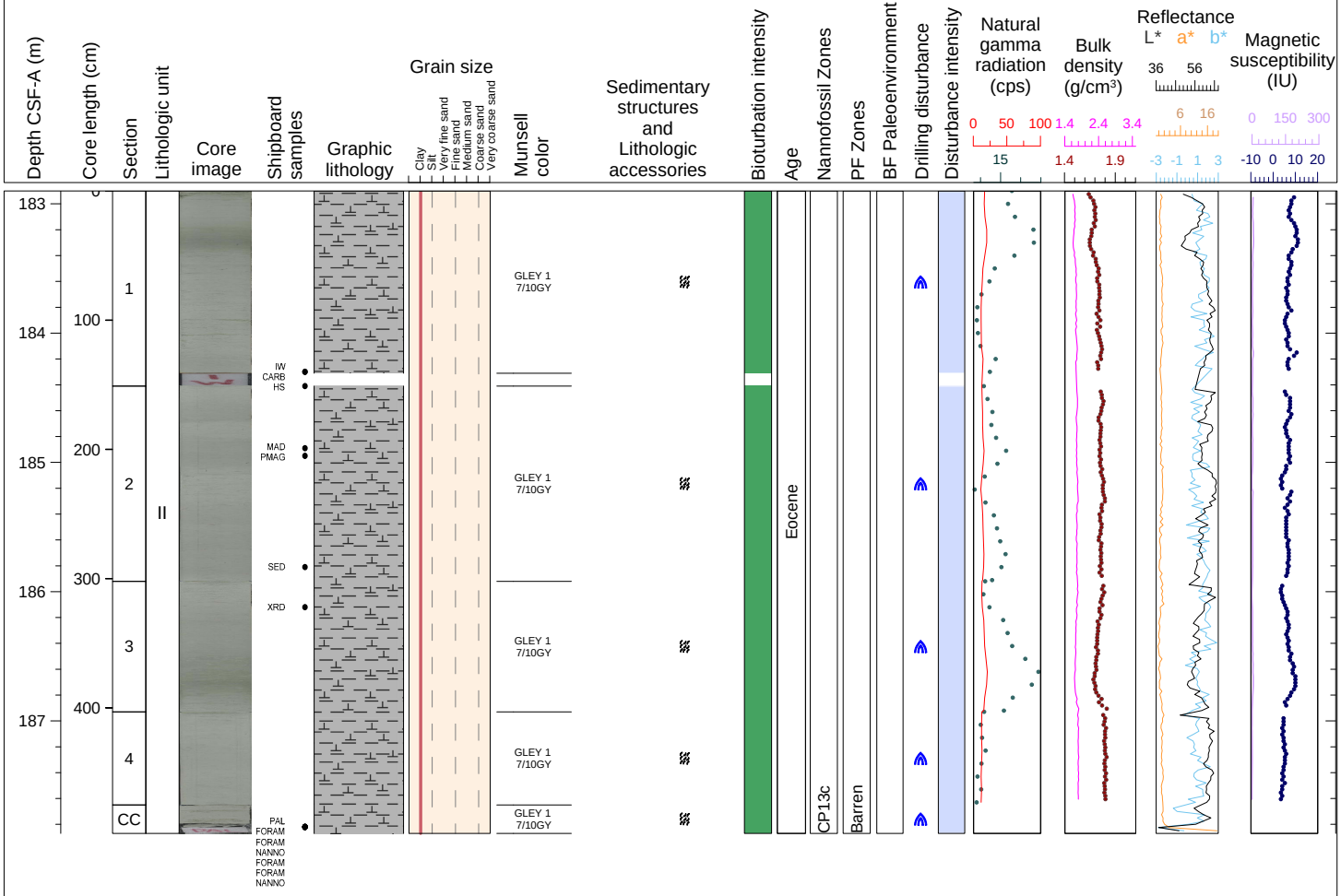
Hole 369-U1514A Core 20F, Interval 178.1-183.09 m (CSF-A)

Core 20F is dominated by a light greenish gray (GLEY 1 8/5GY) nannofossil-rich clay that becomes a slightly darker light greenish gray (GLEY 1 7/10GY) in Sections 3-CC. Bioturbation is moderate throughout. In Section 2, there are two lenses consisting of a black mineral oxide at 42 and 52 cm that maybe comprised of iron and manganese. There are no drilling disturbances except in the CC, where it is slightly bowed.



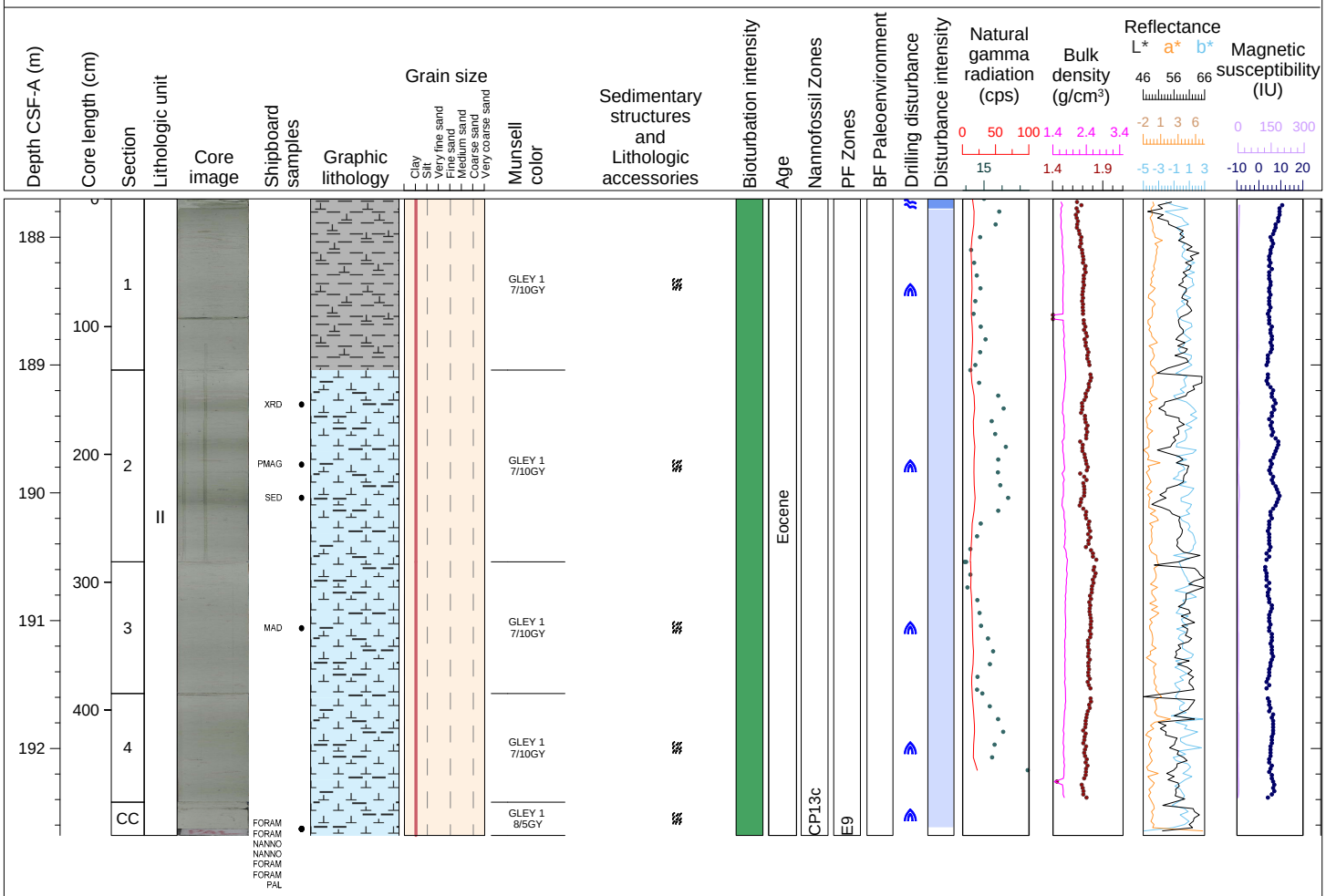
Hole 369-U1514A Core 21F, Interval 182.9-187.87 m (CSF-A)

Core 21F is dominated by a light greenish gray (GLEY 1 7/10GY) mottled nannofossil-rich clay. A lack of distinct color boundaries in the core masks some of the mottled appearance. Bioturbation intensity is moderate throughout. There are slight variations in the shade of the clay from a light greenish gray (GLEY 1 8/5GY) to greenish gray (GLEY 1 6/10GY) every 20-60 cm down hole. There is a thin (few mm thick) gray interval in Section 2 at 126 cm. This core is not greatly affected by drilling disturbance but is slightly bowed throughout.



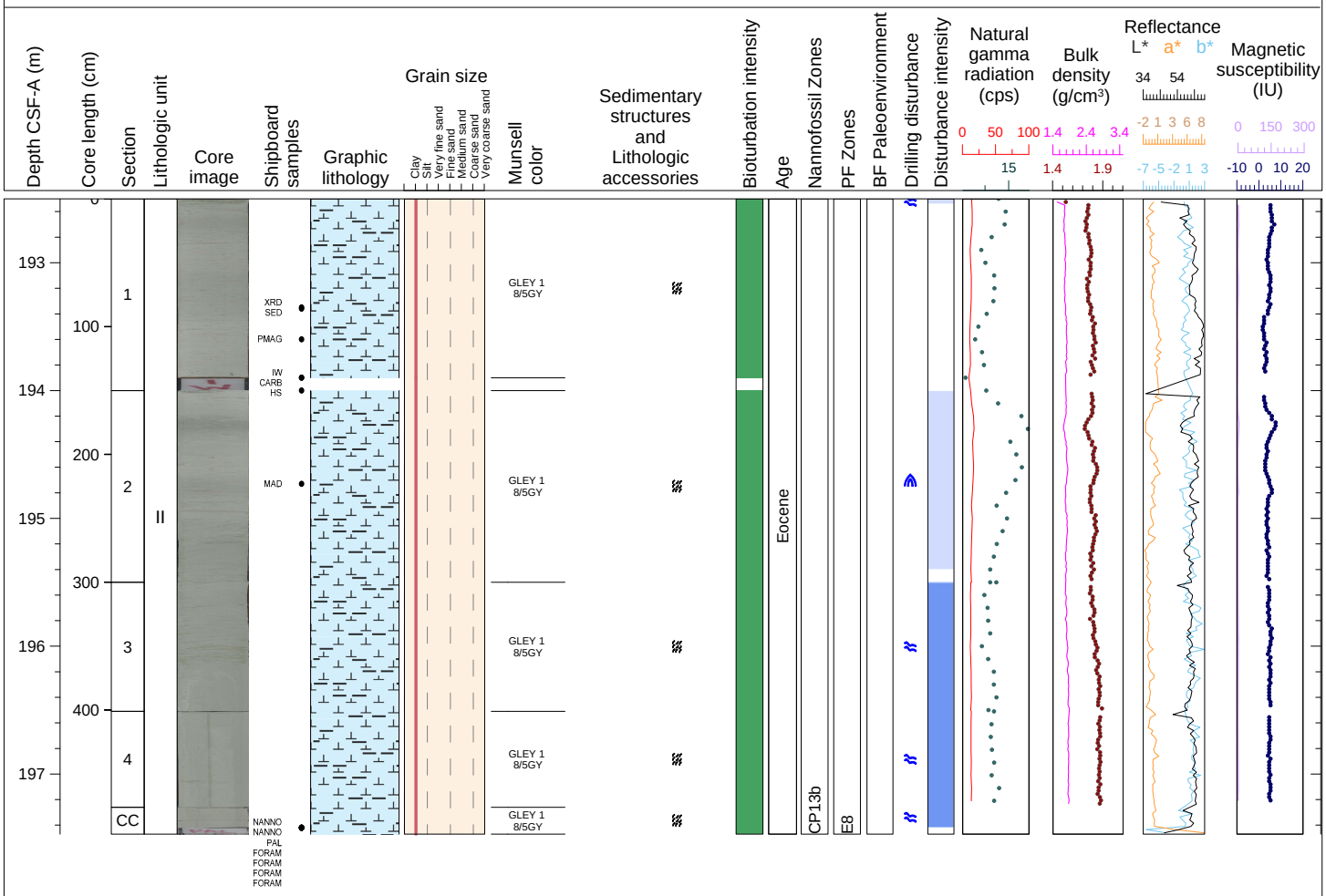
Hole 369-U1514A Core 22F, Interval 187.7-192.68 m (CSF-A)

Core 22F is dominated by a light greenish gray (GLEY 1 7/10GY, GLEY 1 8/5GY) mottled clayey nannofossil chalk. Lack of distinct color boundaries in the core masks some of the mottled appearance. Bioturbation intensity is moderate throughout. Lenses of possible oxides are rare but dispersed throughout the core and may be the result of burrowing. In Section 2, there are slight variations in the shade of the clay from a light greenish gray (GLEY 1 7/10GY) to greenish gray (GLEY 1 6/10GY) every 20-60 cm down hole. This core is not greatly affected by drilling disturbance but is slightly bowed throughout and moderate flowage is observed in the top 9 cm of Section 1.



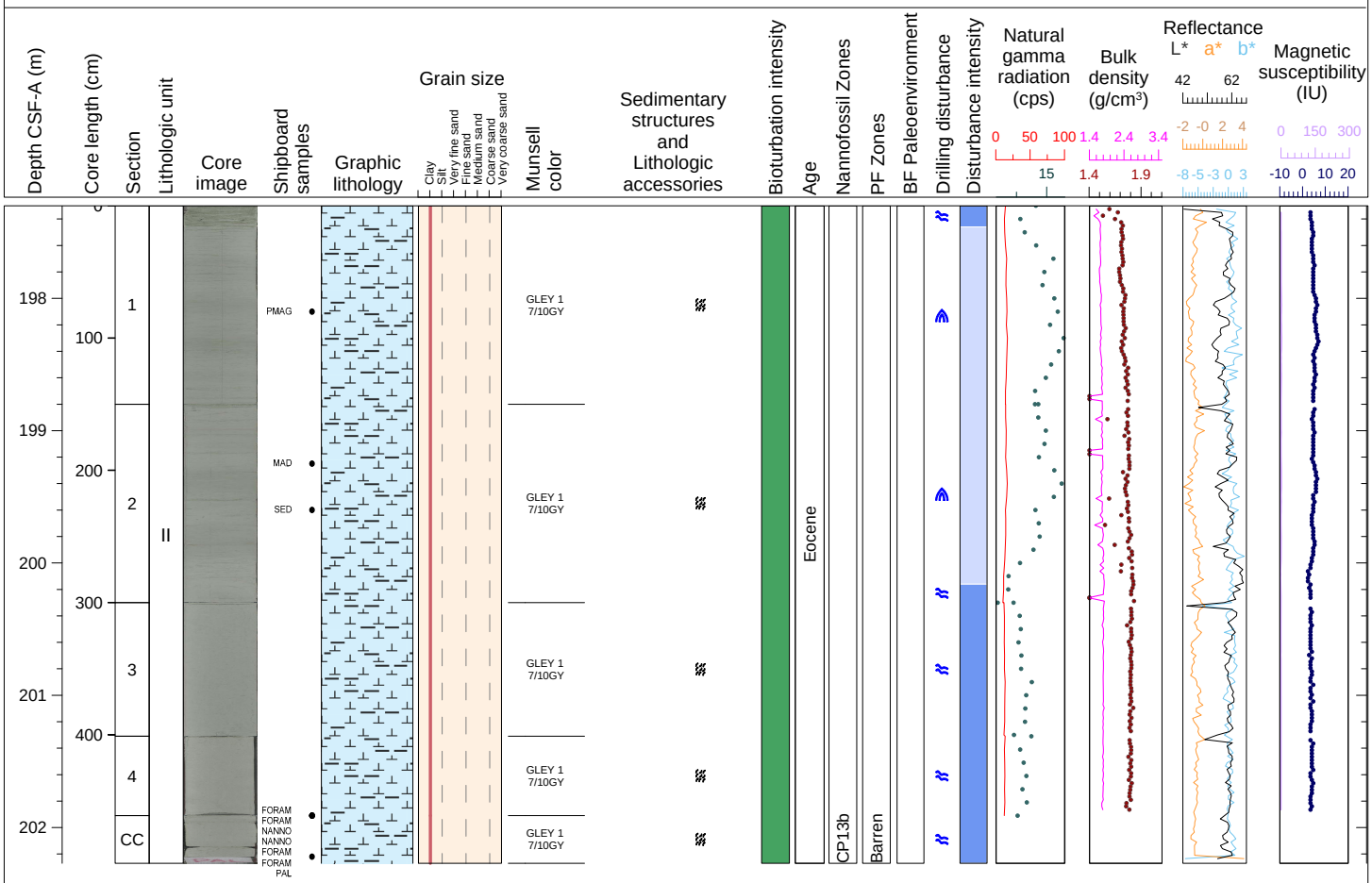
Hole 369-U1514A Core 23F, Interval 192.5-197.47 m (CSF-A)

Core 23F is dominated by a light greenish gray (GLEY 1 7/10GY, GLEY 1 8/5GY) mottled clayey nannofossil chalk. Lack of distinct color boundaries in the core masks some of the mottled appearance. Bioturbation intensity is moderate throughout. Lenses of possible oxides are rare but dispersed throughout the core and may be the result of burrowing. In Section 2, there are slight variations in the shade of the clay from a light greenish gray (GLEY 1 7/10GY) to greenish gray (GLEY 1 6/10GY) every 20-60 cm down hole. Moderate flowage is present in Sections 3, 4 and CC.



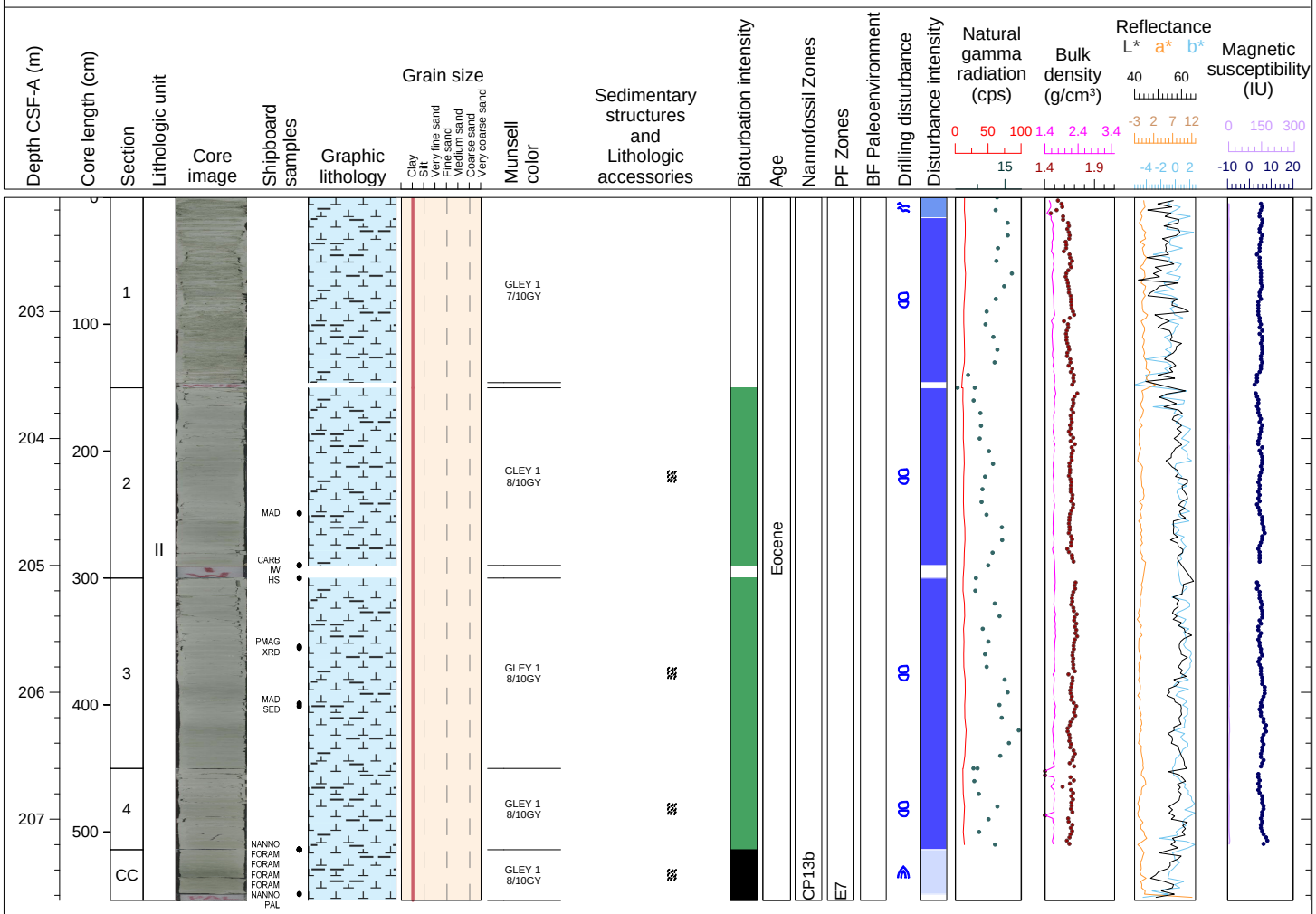
Hole 369-U1514A Core 24F, Interval 197.3-202.27 m (CSF-A)

Core 24F is dominated by a light greenish gray (GLEY 1 7/10GY) mottled clayey nannofossil chalk. Lack of distinct color change in the core masks some of the mottled appearance but bioturbation is generally moderate in intensity throughout. From 136 cm in Section 2 to the bottom of the core, drilling disturbances largely overprint the fabric of the clay.



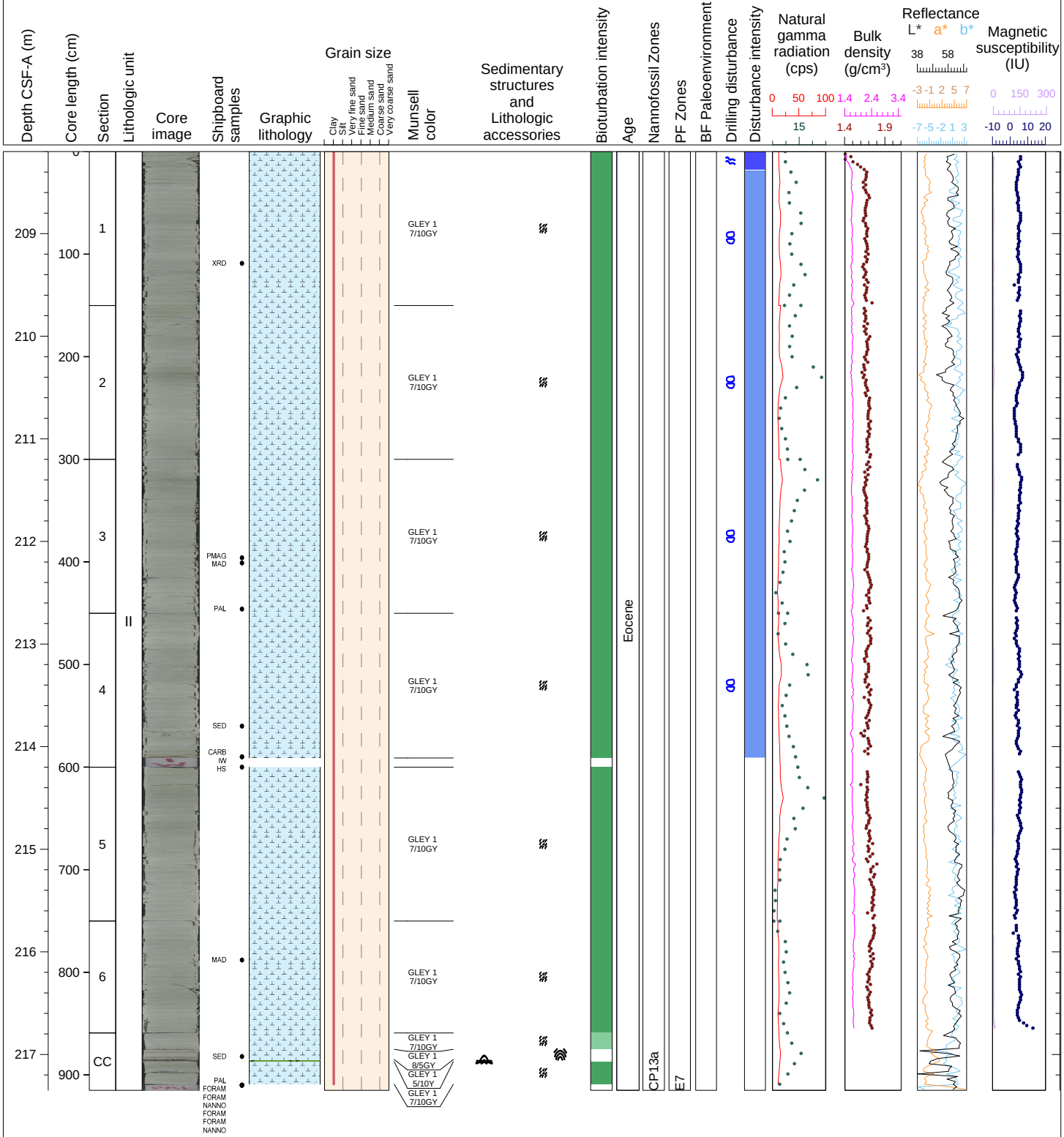
Hole 369-U1514A Core 25X, Interval 202.1-207.64 m (CSF-A)

Core 25X is dominated by a light greenish gray (GLEY 1 8/10GY) mottled clayey nannofossil chalk. Bioturbation intensity ranges from moderate to high with the highest being in the CC. A few black streaks are present throughout the core that might be oxides. Drilling disturbance disruption ranges from slight to severe in this core with Sections 1-4 being severely biscuited and the CC being only slightly bowed. Section 1 was the most severely biscuited and as a result surficial features could not be described.



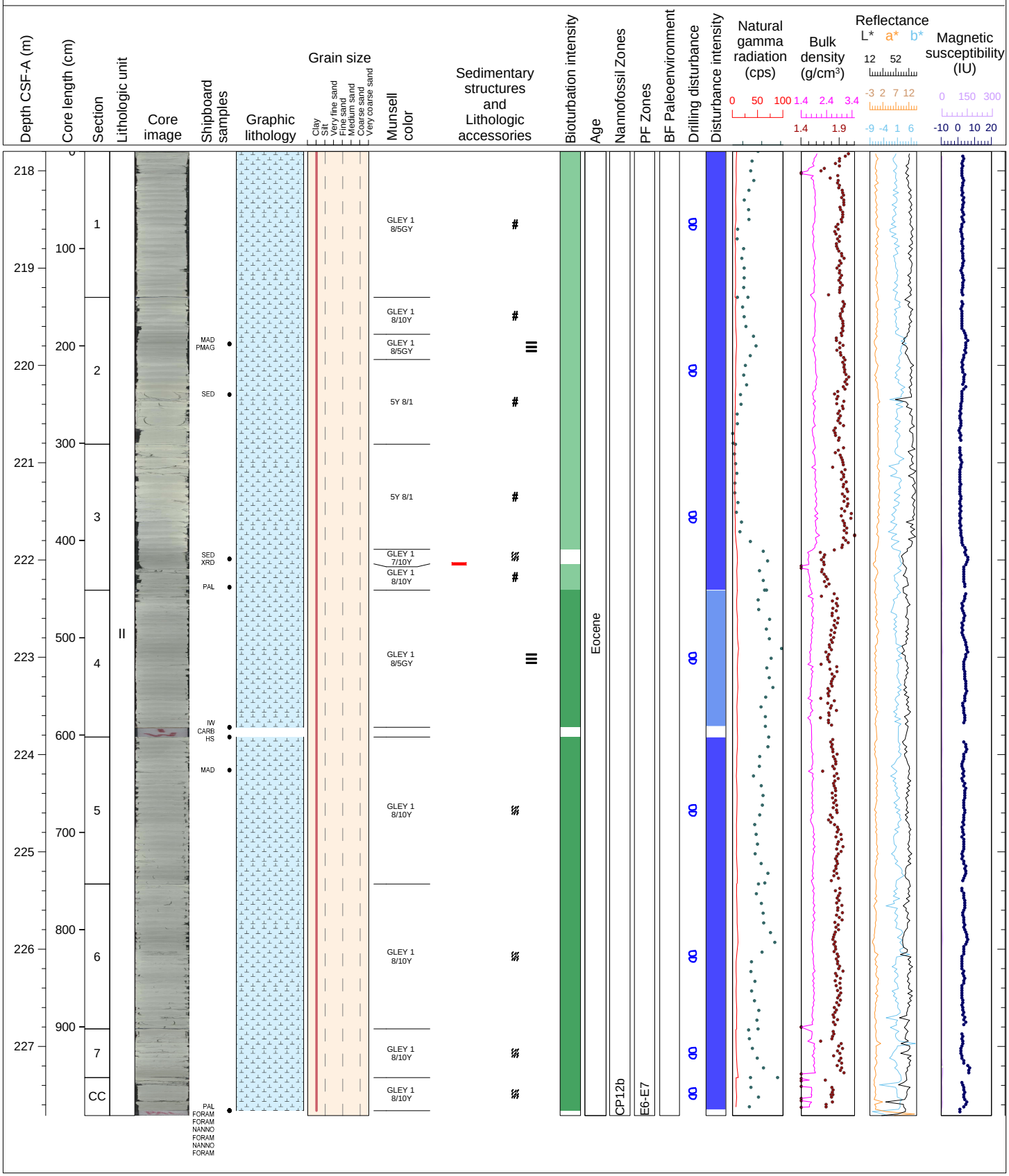
Hole 369-U1514A Core 26X, Interval 208.2-217.35 m (CSF-A)

Core 26X is dominated by a light greenish gray (GLEY 1 8/10GY) mottled nannofossil chalk with clay with occasional darker intervals throughout. Between 26 and 28 cm in the CC, there is also a very thin bed of chert. Convolute laminations are present between 11 and 26 cm. Bioturbation is low to moderate, but is absent in the CC between 17 and 28 cm. Planolities, chrondrites and zoophycos are common throughout the core. The core exhibits moderate biscuit drilling disturbance.



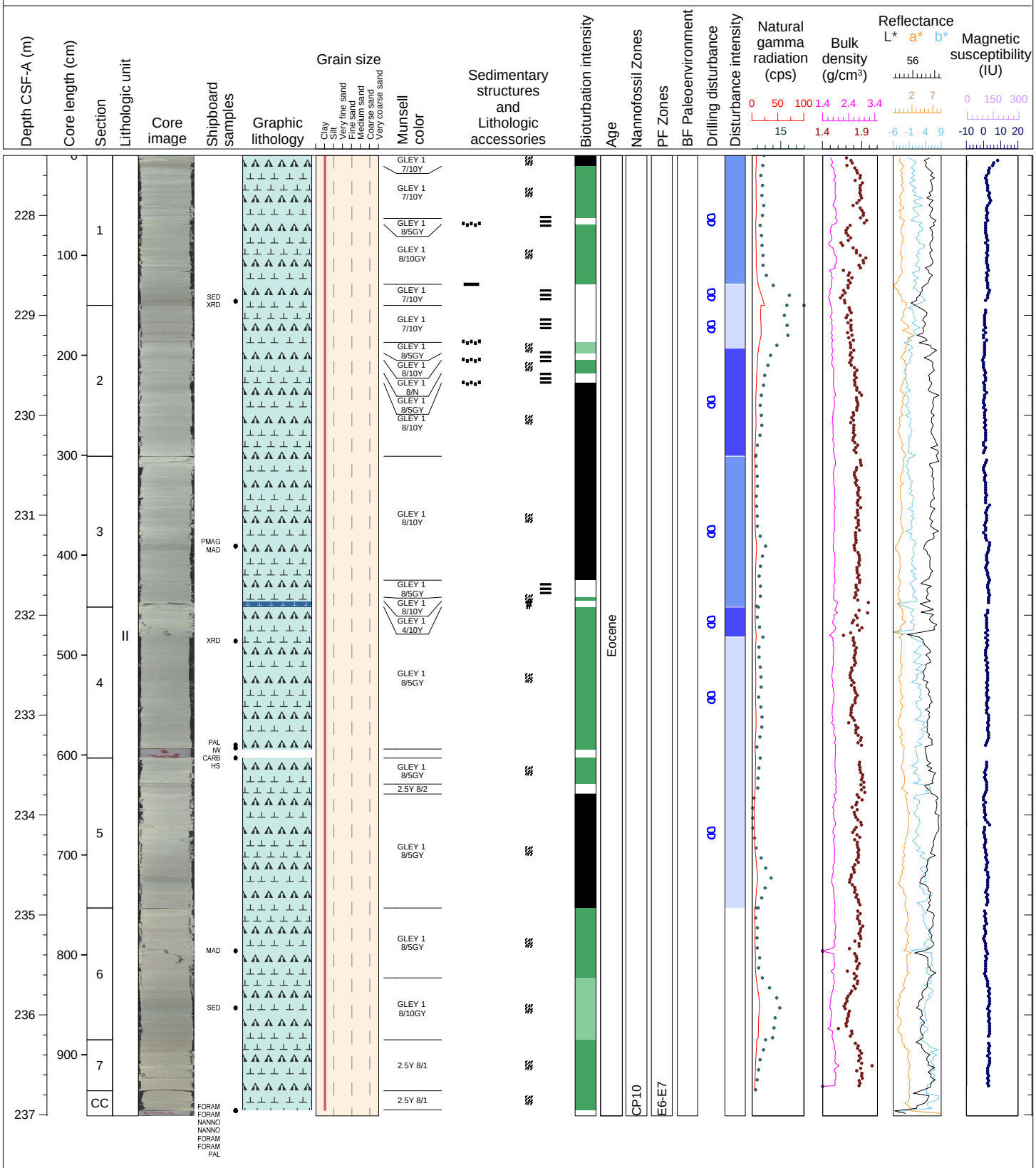
Hole 369-U1514A Core 27X, Interval 217.8-227.71 m (CSF-A)

Core 27X is dominated by a light greenish gray (GLEY 1 8/10GY) to white (5Y 8/1) mottled nannofossil chalk with clay. Thin parallel laminations are present in Sections 2 (37 to 48 cm) and 4 (30-37 cm). Bioturbation is absent to moderate. The core exhibits moderate to severe biscuit drilling disturbance.



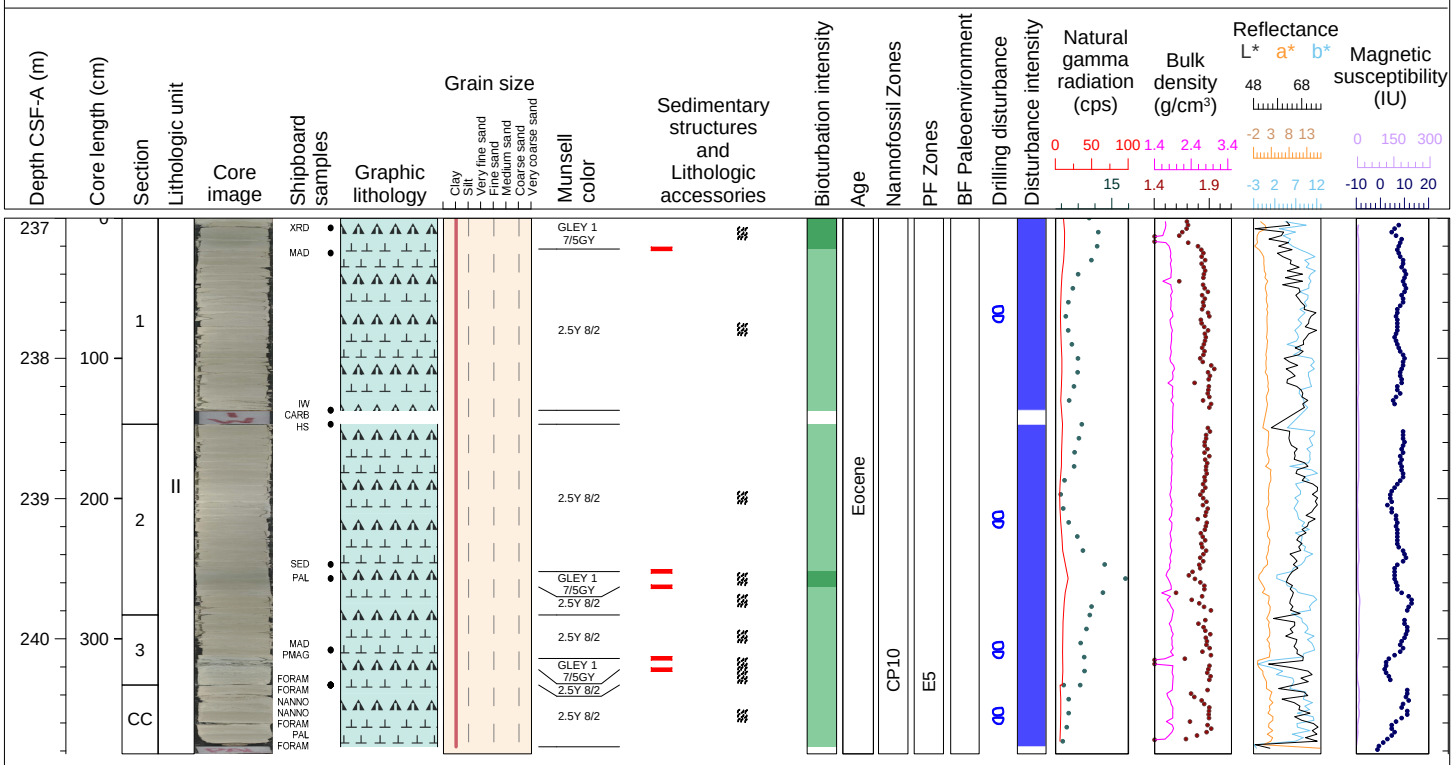
Hole 369-U1514A Core 28X, Interval 227.4-237.01 m (CSF-A)

Core 28X is dominated by a light greenish gray (GLEY 1 8/10GY, 8/10Y) to white (GLEY1 8/N) mottled biosiliceous nannofossil chalk. Thin parallel laminations are present in Sections 1 (63-69, 129-149 cm) and 2 (11-37, 48-55, 68-78 cm). Color changes are observed within these laminated intervals. Thin parallel pale yellow (2.5Y 8/2) stratification are present in Section 5 (26-36 cm). A silicified interval is present at the bottom of Section 3 (145-151 cm). Bioturbation is absent to high. The core exhibits slight to severe biscuit drilling disturbance.



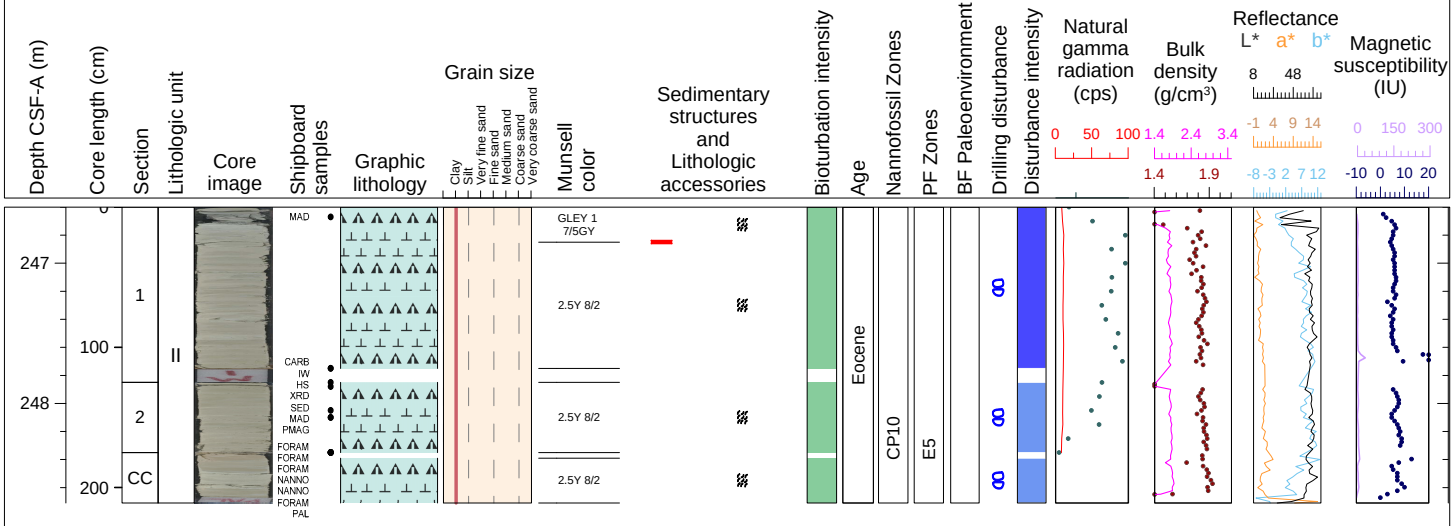
Hole 369-U1514A Core 29X, Interval 237.0-240.82 m (CSF-A)

Core 29X is dominated by pale yellow (2.5Y 8/2) mottled biosiliceous nannofossil chalk, interbedded with 3 intervals of light greenish gray (GLEY 1 7/5Y) biosiliceous nannofossil chalk. Bioturbation is low to moderate. The core exhibits severe biscuit drilling disturbance.



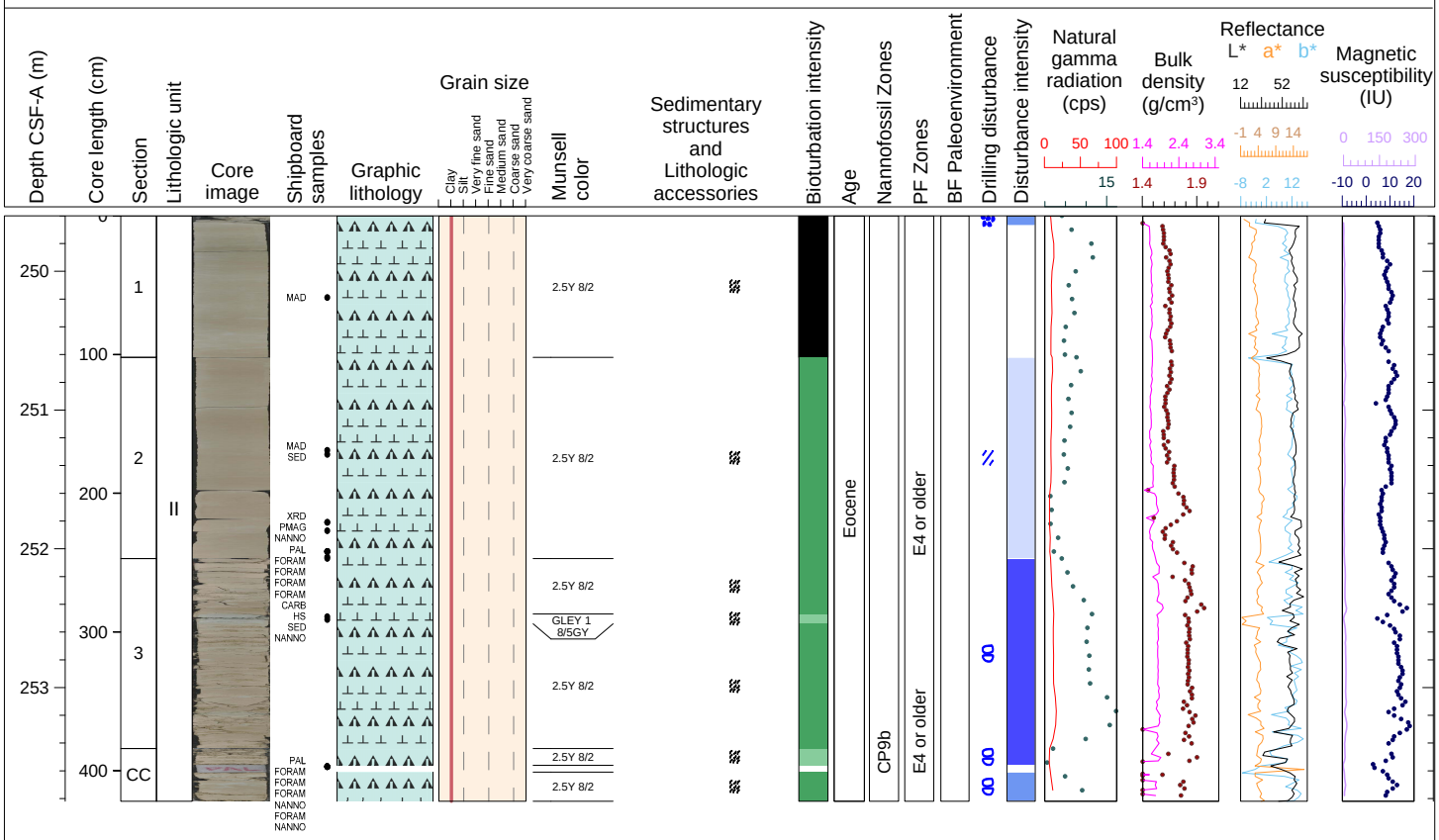
Hole 369-U1514A Core 30X, Interval 246.6-248.71 m (CSF-A)

Core 30X is dominated by pale yellow (2.5Y 8/2) mottled biosiliceous nannofossil chalk. A light greenish gray (GLEY 1 7/5GY) interval of mottled biosiliceous nannofossil chalk at the top of Section 1. Thin parallel laminations are present in a silicified interval of 8-10 cm in Section 1. Bioturbation is low to moderate. The core exhibits severe biscuit drilling disturbance.



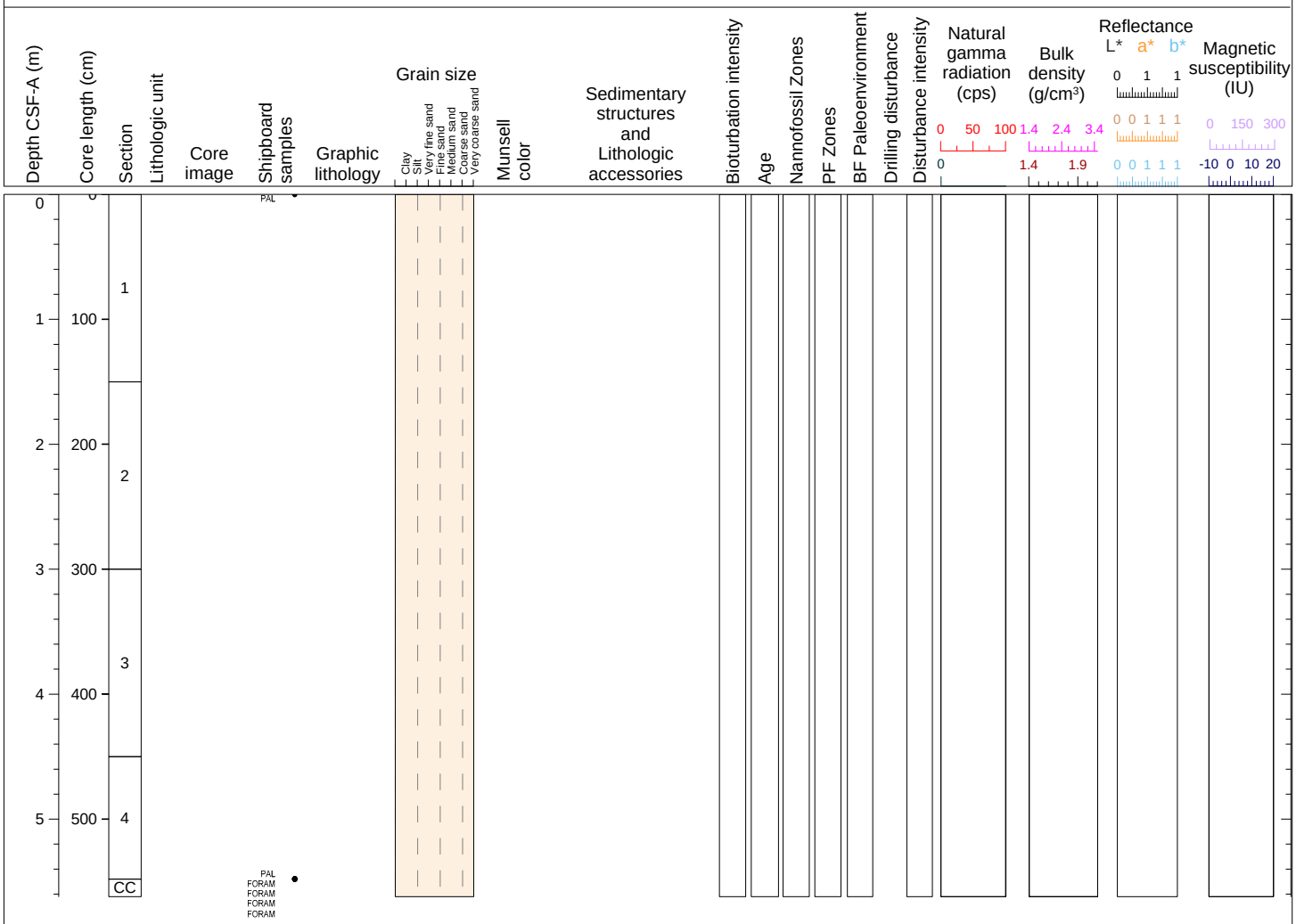
Hole 369-U1514A Core 31X, Interval 249.6-253.82 m (CSF-A)

Core 31X is dominated by pale yellow (2.5Y 8/2) mottled biosiliceous nannofossil chalk with clay, interbedded with an interval of light greenish gray nannofossil chalk in Section 3 (40-47 cm). Bioturbation is low to high. Planolities and chrondrites are common throughout the core. The core exhibits various drilling disturbance from none in lower part of Section 1 to severe biscuit in Section 3.



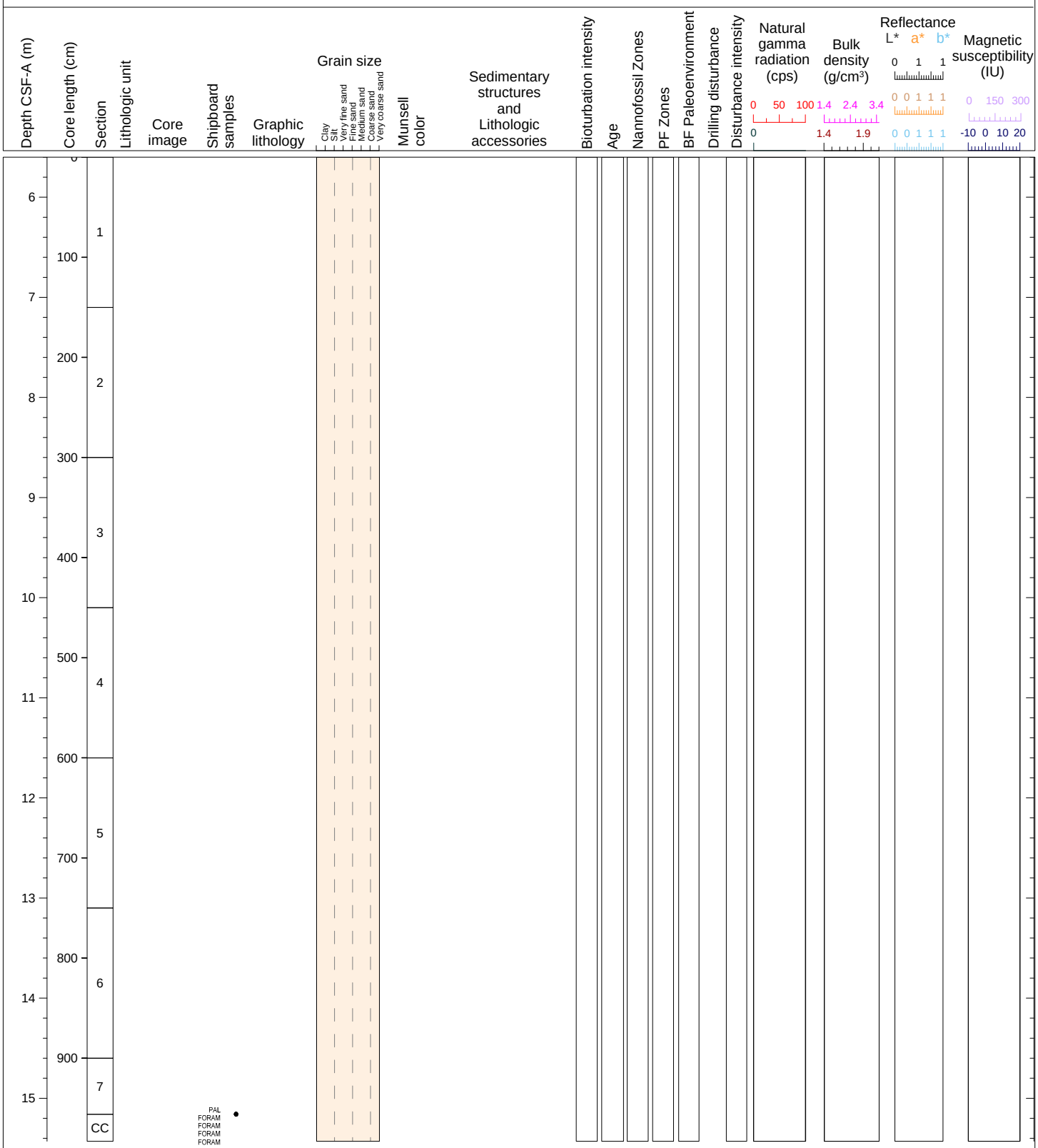
Hole 369-U1514B Core 1H, Interval 0.0-5.62 m (CSF-A)

All to paleo.



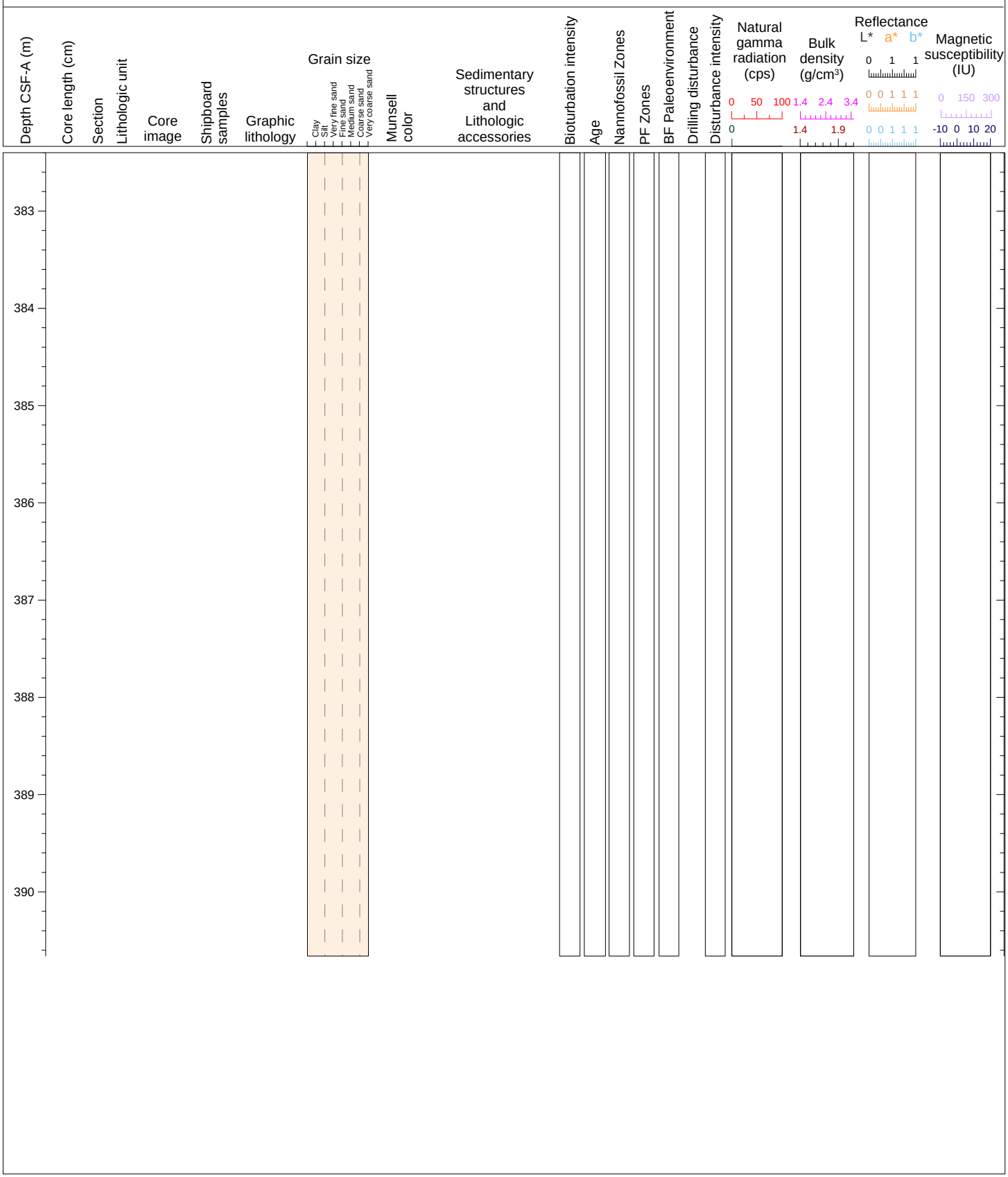
Hole 369-U1514B Core 2H, Interval 5.6-15.43 m (CSF-A)

All to paleo.



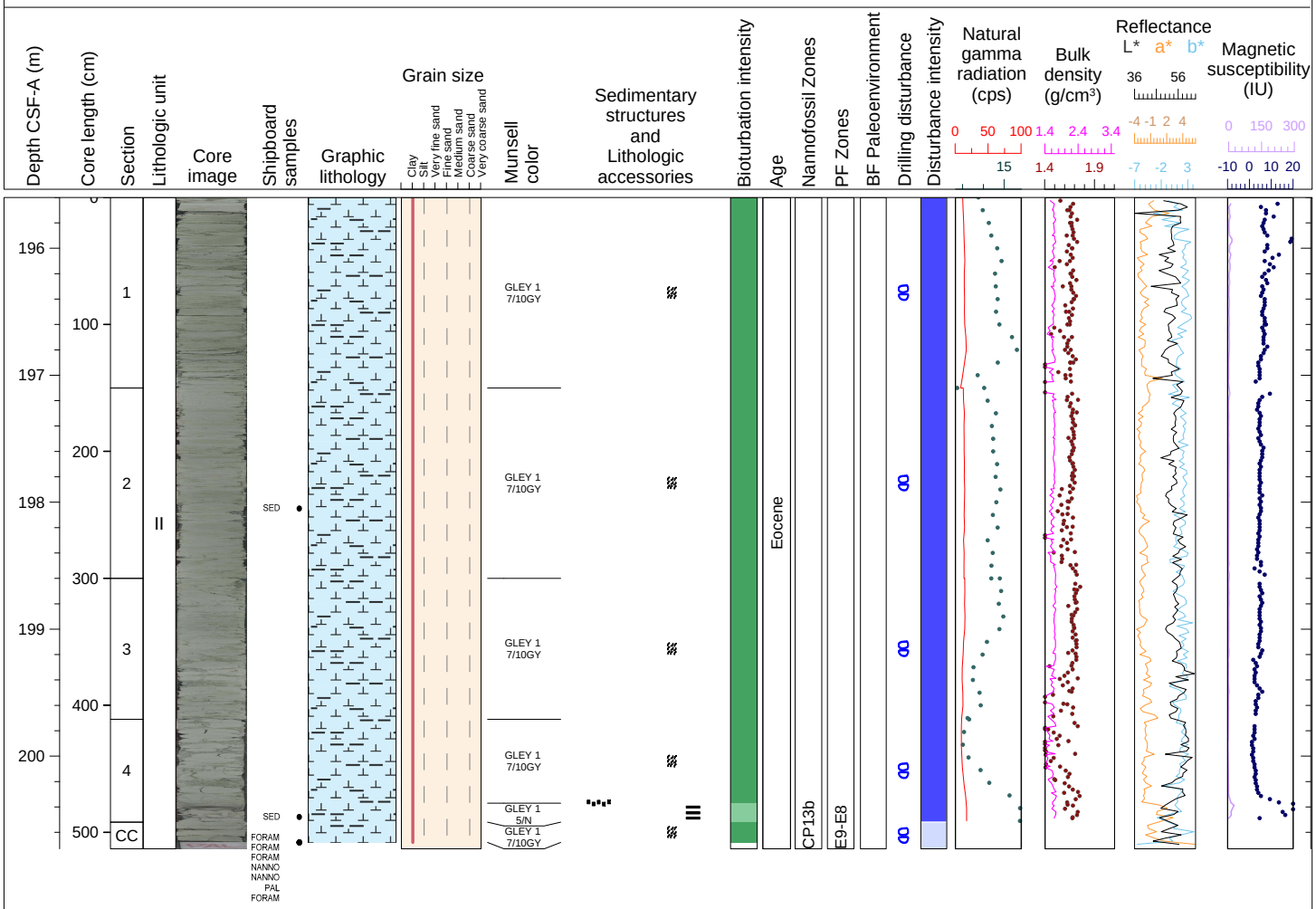
Hole 369-U1514C Core 11, Interval 0.0-0.0 m (CSF-A)

Drilled interval



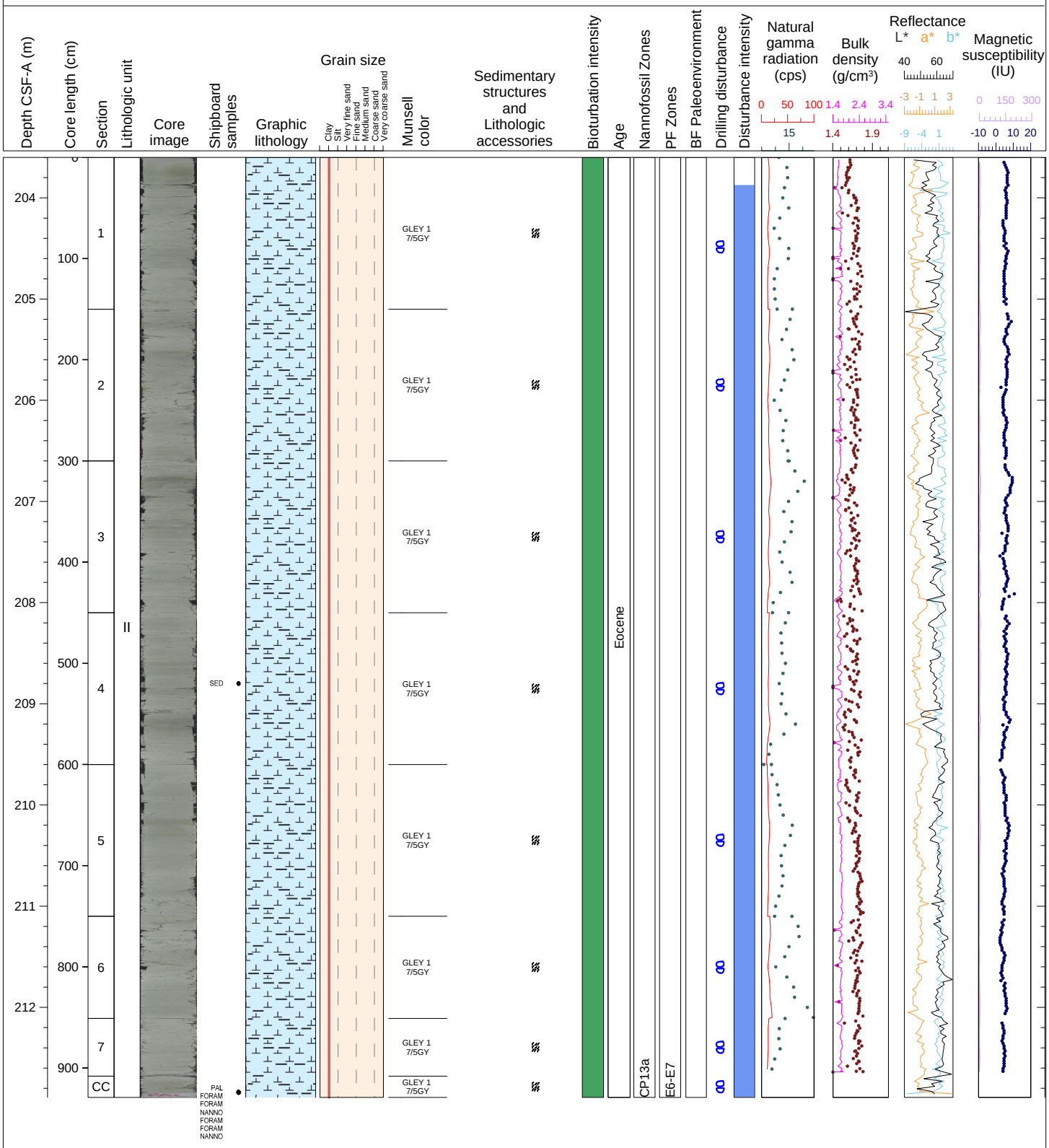
Hole 369-U1514C Core 2R, Interval 195.6-200.73 m (CSF-A)

In Core 2R the dominant lithology is a light greenish gray (GLEY 1 7/10GY) clayey nannofossil chalk. Bioturbation intensity is moderate throughout. In Section 1, there are parallel laminations from 16-25 cm. In Section 4 from 66 cm to the bottom of the core are a few intervals with thin laminations that vary in color between gray, beige, and green. In the CC, a discrete pale brown infilled zoophycus burrow is present at 15 cm. The core is moderately to severely biscuited as a result of drilling disturbance.



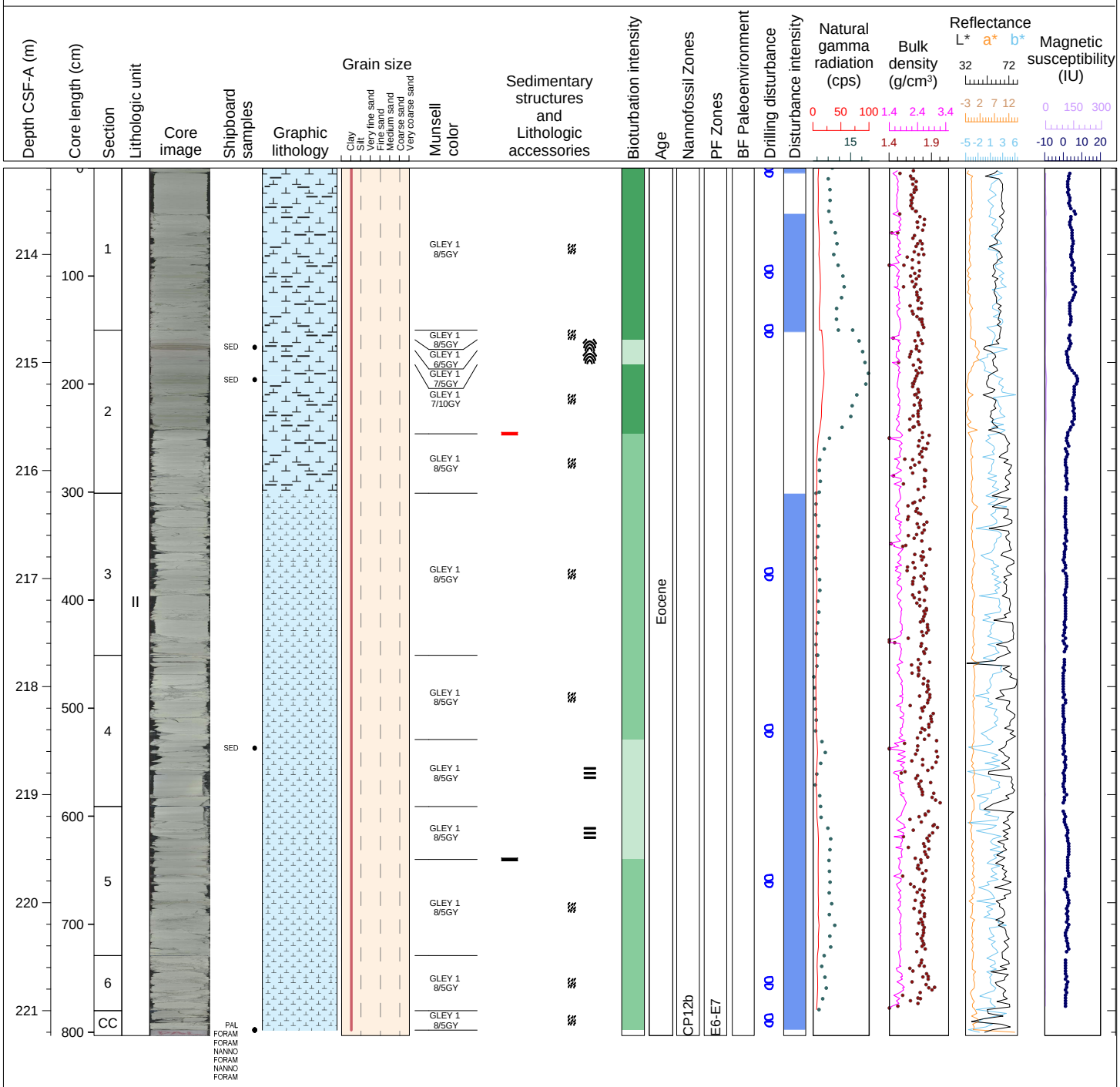
Hole 369-U1514C Core 3R, Interval 203.6-212.89 m (CSF-A)

In Core 3R the dominant lithology is a light greenish gray (GLEY 1 7/5GY) clayey nannofossil chalk.Color varies throughout the core every ~20-30 cm from light greenish gray (7/10GY) to greenish gray (6/5G). Bioturbation is moderate throughout and there are some discrete zoophycus burrows throughout the core. The intensity of drilling disturbance is variable throughout the core but is generally moderatly biscuited.



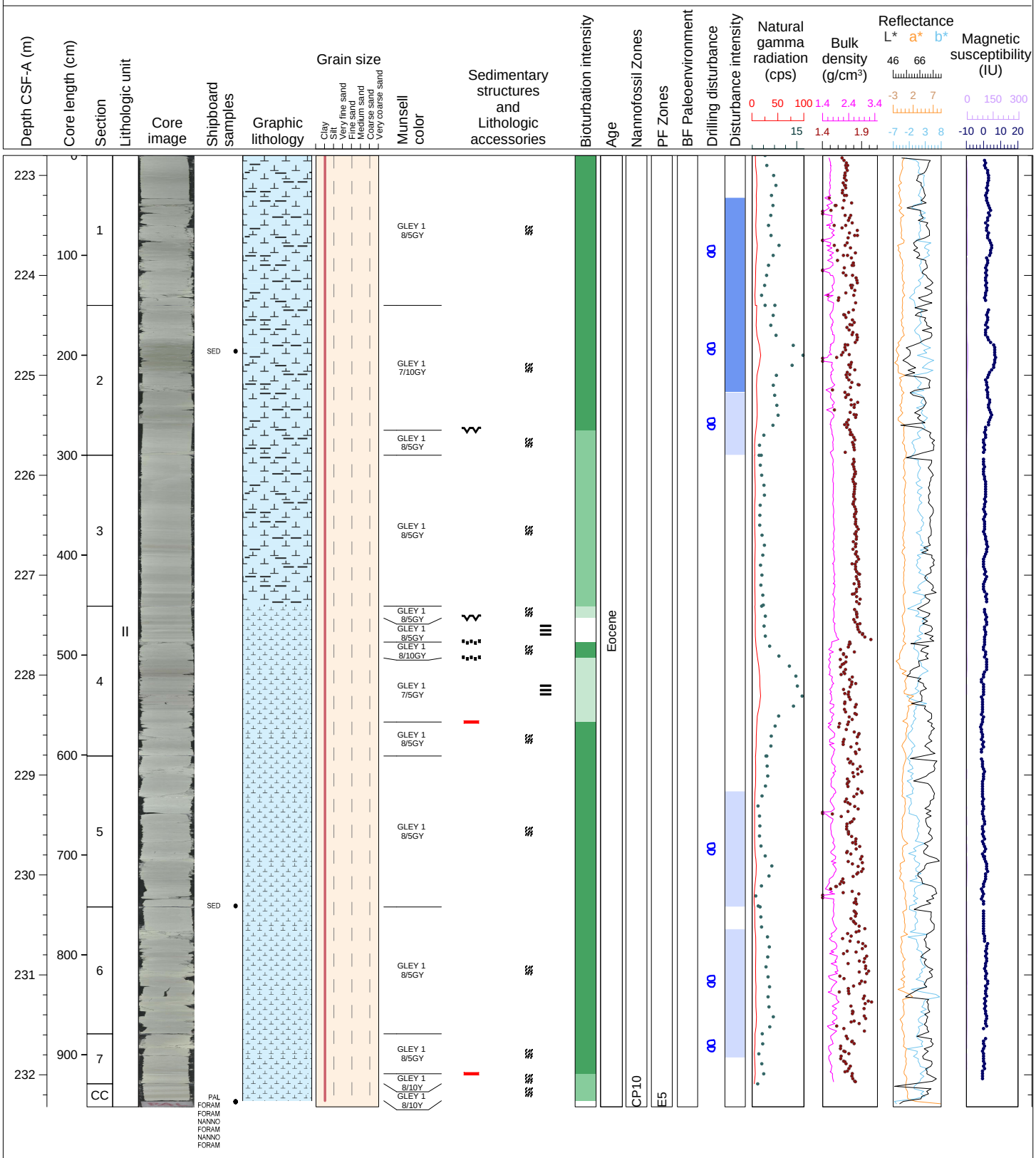
Hole 369-U1514C Core 4R, Interval 213.2-221.23 m (CSF-A)

In Core 4R the dominant lithology is a light greenish gray (GLEY 1 8/10GY) clayey nannofossil chalk. Color varies gradually throughout the core from light greenish gray (7/10GY) to greenish gray (6/5G). Bioturbation intensity is absent to moderate throughout and there are some discrete zoophycus burrows. The core is slightly to moderate disturbed by drilling which caused it to be bisuited, There are several intervals where laminations are present that have undergone soft sediment deformation (convolute, ball and pillow).



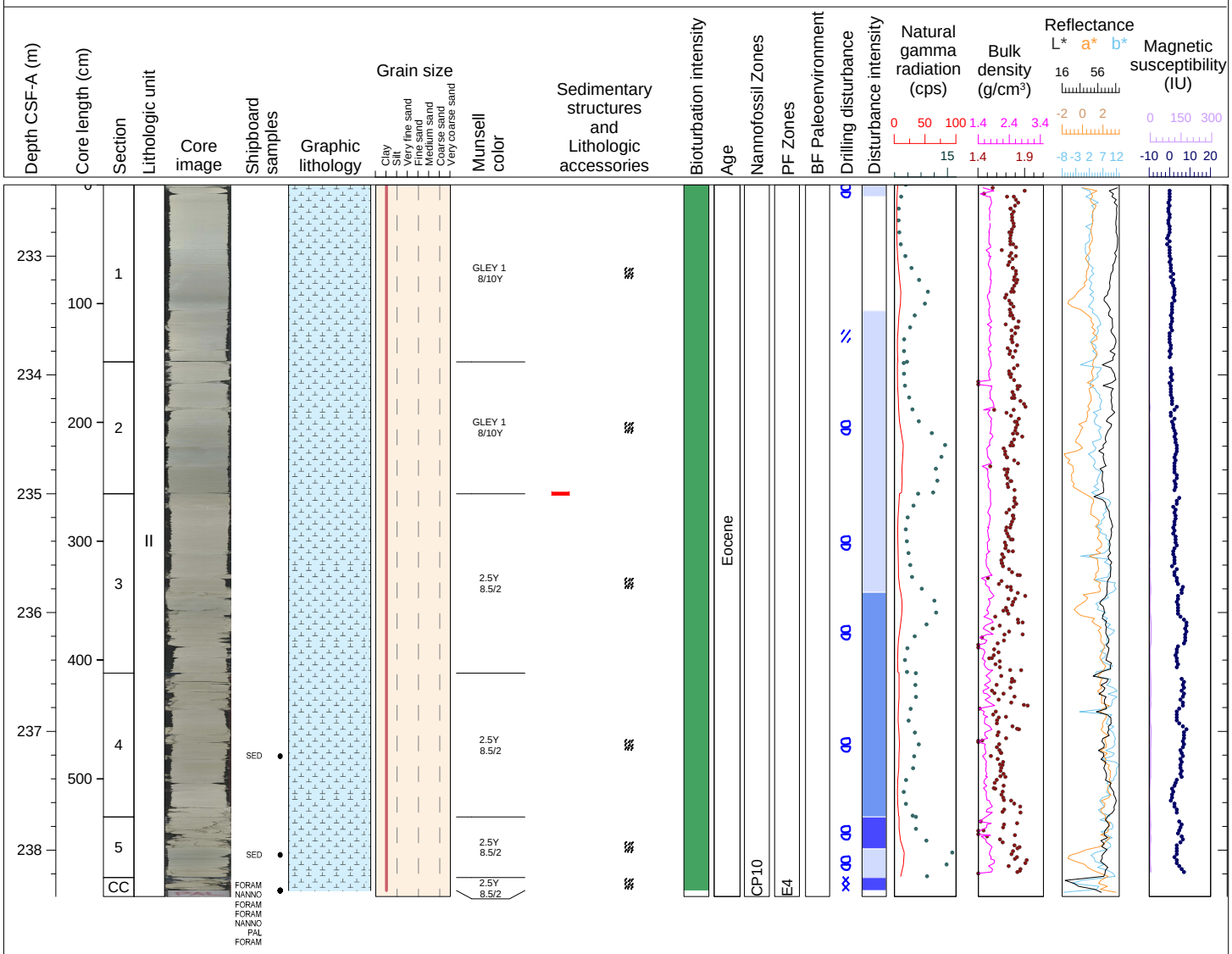
Hole 369-U1514C Core 5R, Interval 222.8-232.32 m (CSF-A)

In Core 5R the dominant lithology is a light greenish gray (GLEY 1 8/10GY) clayey nannofossil chalk with biosilica, and nannofossil chalk with clay. Color varies at ~30 cm intervals in Section 2 from a light greenish gray (GLEY 1 8/10GY) to greenish gray (GLEY 1 6/5GY). Parallel laminations are present in Section 2. Bioturbation intensity ranges from absent to moderate with occasional chondrites burrows. The core exhibits a slight to moderate biscuit drilling disturbance.



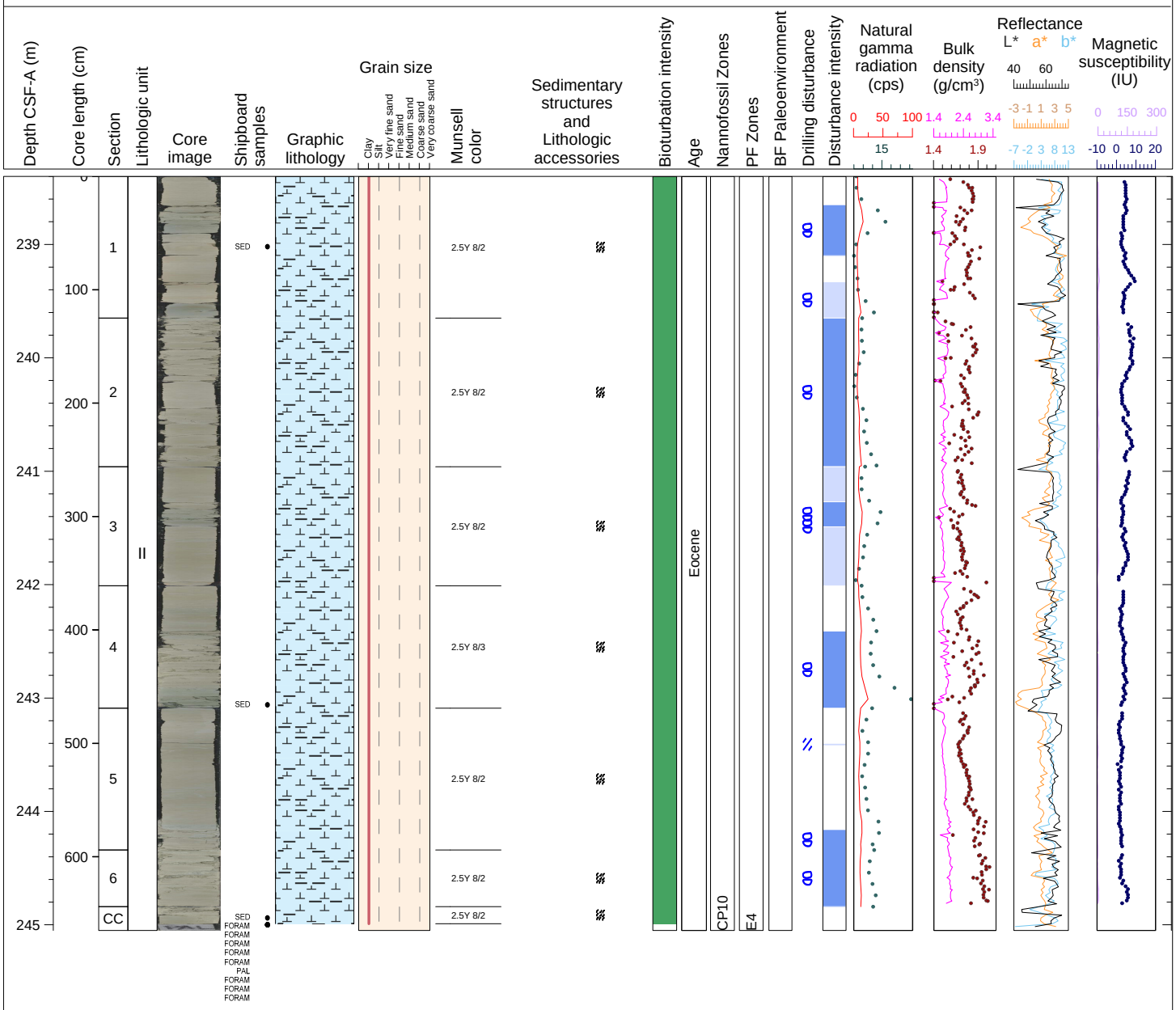
Hole 369-U1514C Core 6R, Interval 232.4-238.39 m (CSF-A)

In Core 6R the dominant lithology is a light greenish gray (GLEY 1 8/10Y) to mottled clayey nannofossil chalk in Sections 1 and 2. It transitions into a pale yellow (2.5Y 8.5/2) mottled clayey nannofossil chalk at the bottom of Section 2 and persists throughout the rest of the core. The yellow intervals are interbedded by light greenish gray intervals in Sections 3 (88-103 cm) and 5 (27-38 cm). Bioturbation intensity is low to moderate throughout the core. The core exhibits slight to moderate biscuiting and slight to severe fracturing as a result of drilling disturbances.



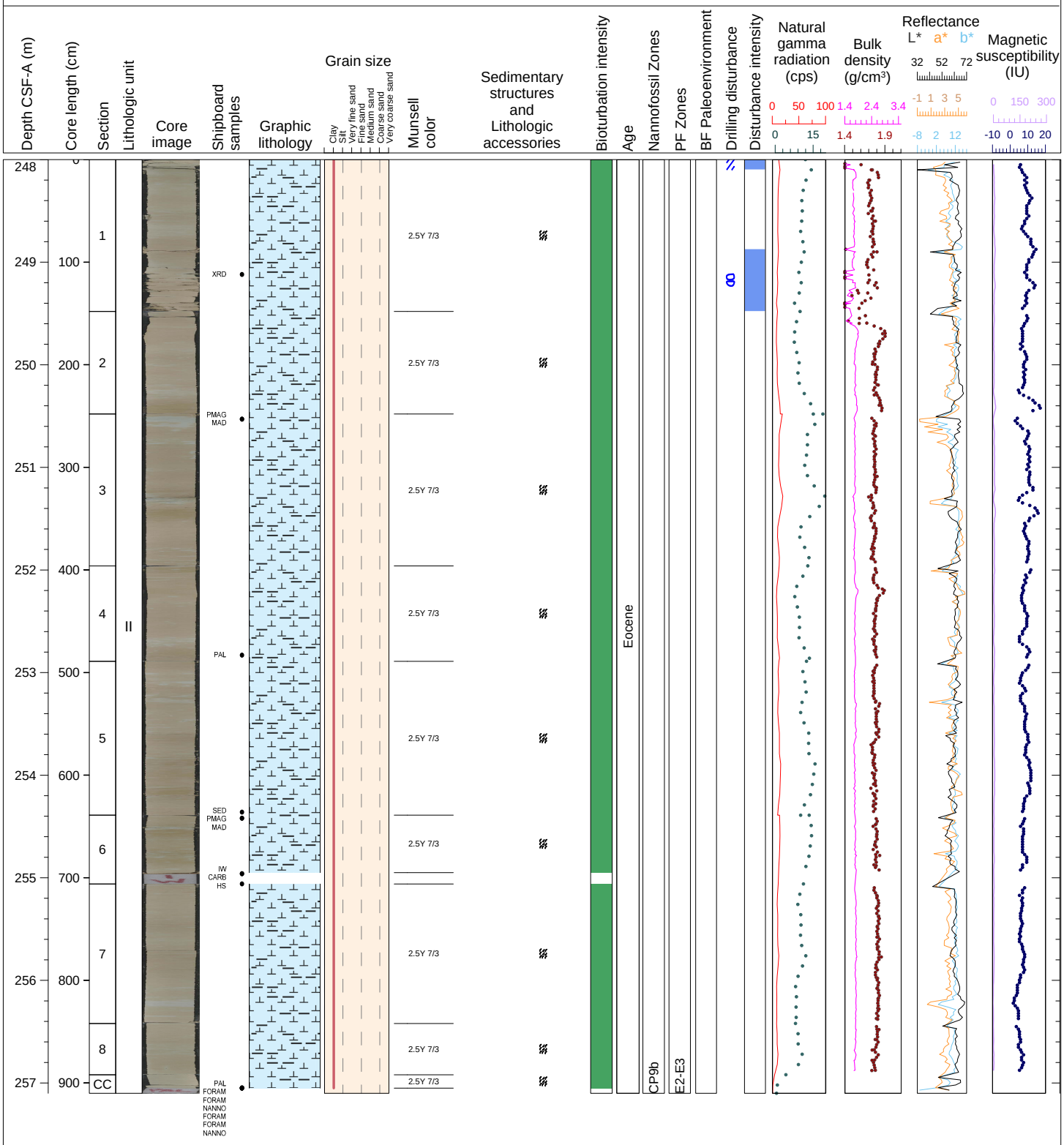
Hole 369-U1514C Core 7R, Interval 238.4-245.05 m (CSF-A)

In Core 7R the dominant lithology is a pale yellow clayey nannofossil chalk (2.5Y 8/2) with regular intervals/interbeds (~15 cm thick) that are light greenish gray (GLEY 1 8/5GY) in color throughout the core. Bioturbation intensity is moderate to high throughout the core. The core exhibits moderate to slight biscuiting as a result of drilling disturbances.



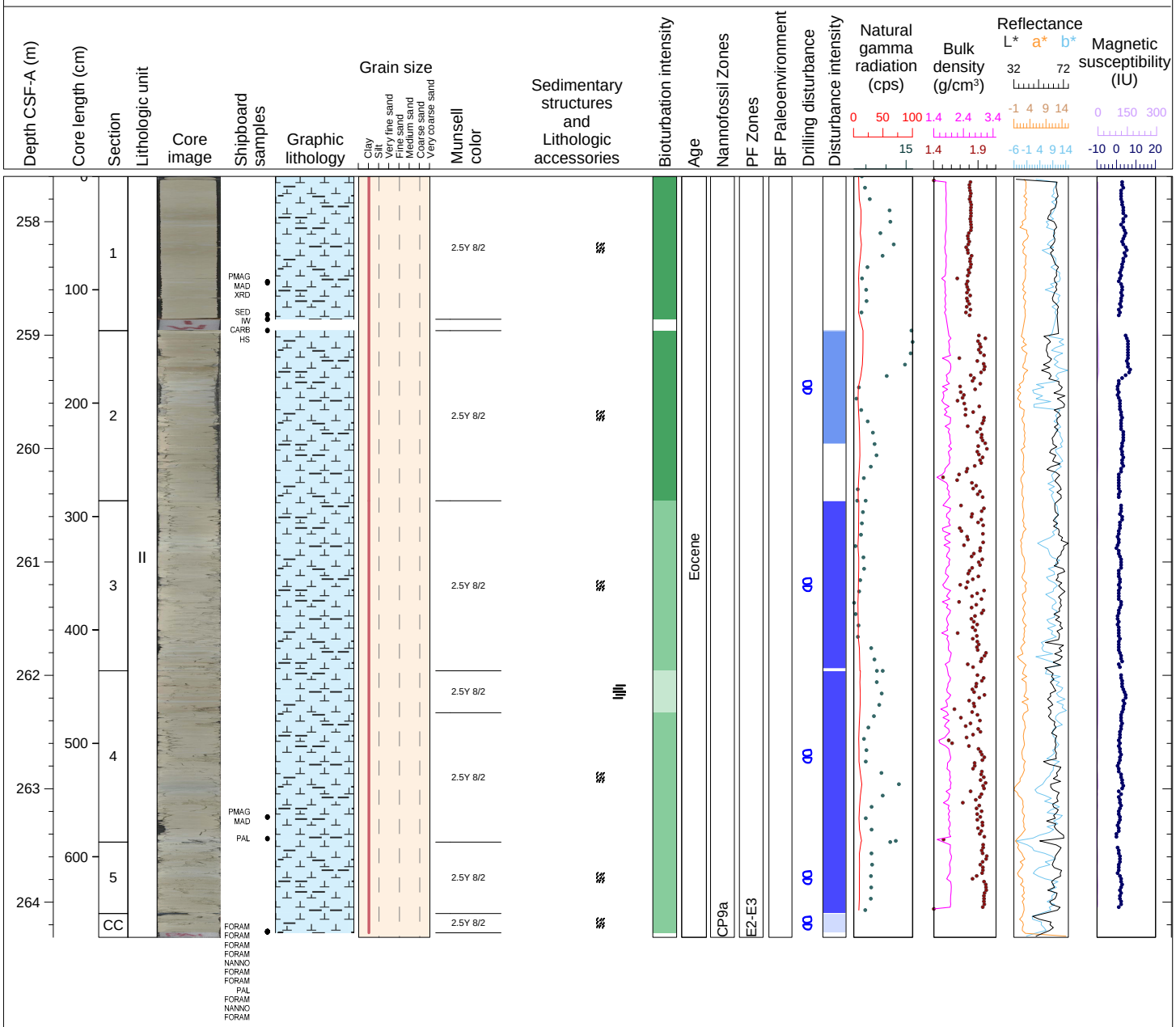
Hole 369-U1514C Core 8R, Interval 248.0-257.1 m (CSF-A)

In Core 8R the dominant lithology is a pale yellow clayey nannofossil chalk (2.5Y 7/3). Between Sections 3 and 7, there are regular intervals of alteration that are light greenish gray in color (GLEY 1 8/10GY) associated with high bioturbation - these can be up to 14 cm in thickness. Bioturbation intensity is moderate throughout the core. The majority of the core has not been disturbed by drilling, however, the upper part of Section 1 exhibits moderate biscuiting.



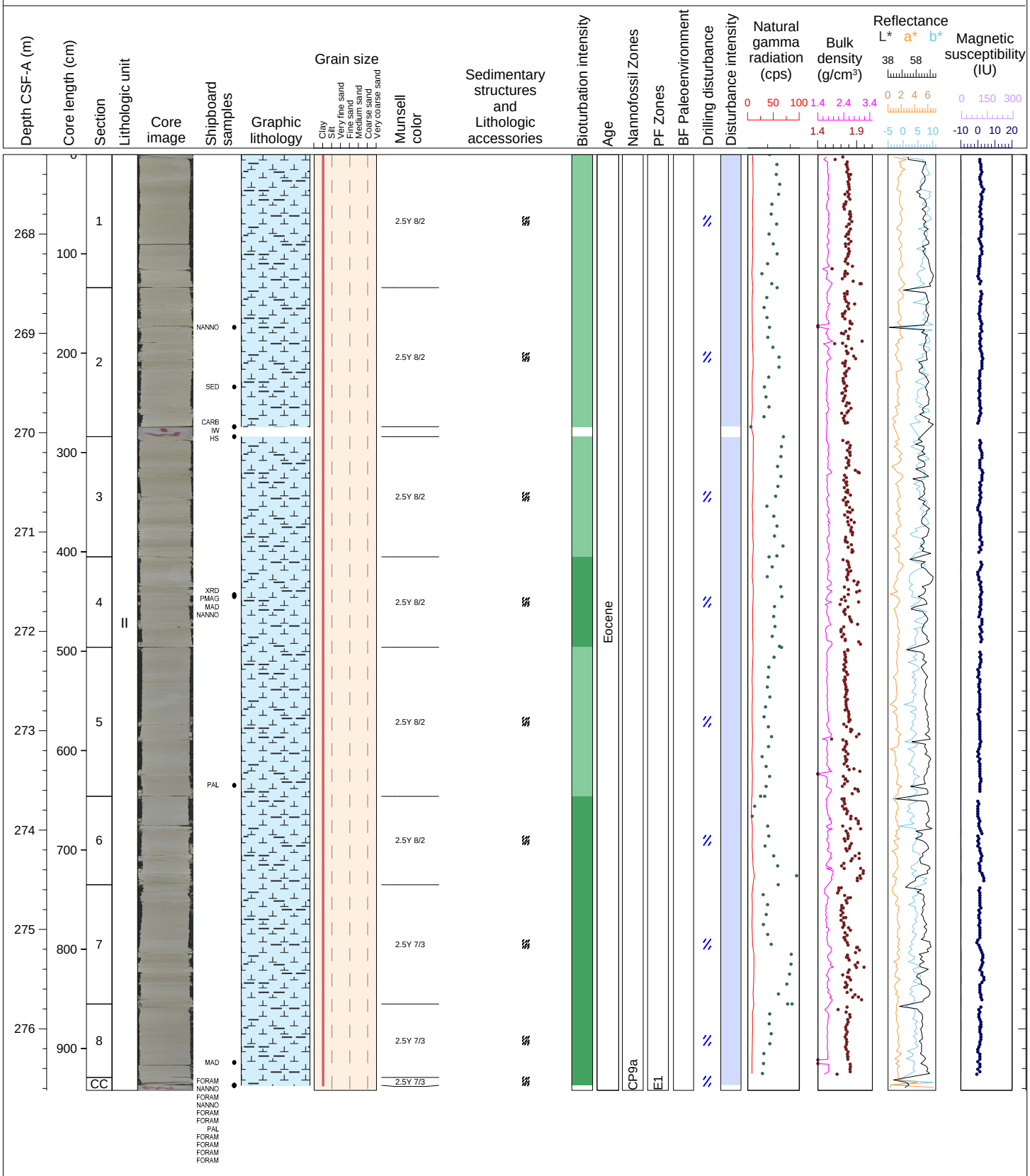
Hole 369-U1514C Core 9R, Interval 257.6-264.31 m (CSF-A)

In Core 9R the dominant lithology is a pale yellow clayey nannofossil chalk (2.5Y 7/3). In Sections 1 and 2, there are intervals of alteration that are light brownish gray in color (2.5Y 6/2) associated with high bioturbation - these can be up to 13 cm in thickness. Between section 2 and 5, there are interval of alteration that are light greenish gray in color (GLEY 1 8/10GY). Bioturbation intensity is sparse to moderate throughout the core. The majority of the core exhibits moderate biscuiting, except for the Section 1 (no drilling disturbance).



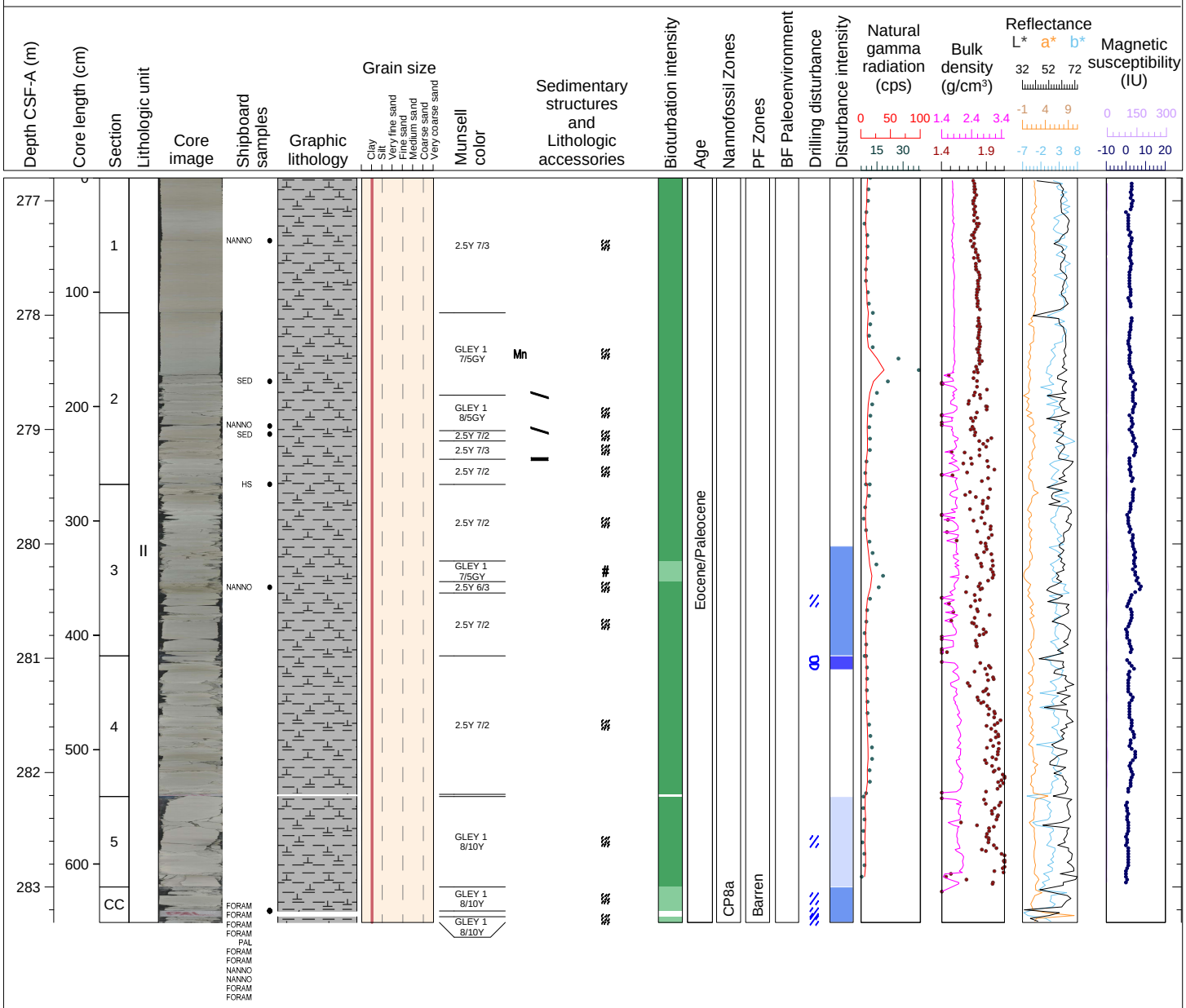
Hole 369-U1514C Core 10R, Interval 267.2-276.62 m (CSF-A)

Core 10R is dominated by a pale yellow clayey nannofossil chalk (2.5Y 8/2 and 2.5Y 7/3). At 78-89 cm of Section 6, there is an intervals of alteration that is light brownish gray in color (2.5Y 6/2). Bioturbation intensity is low to moderate throughout the core. The core is slightly fractured.



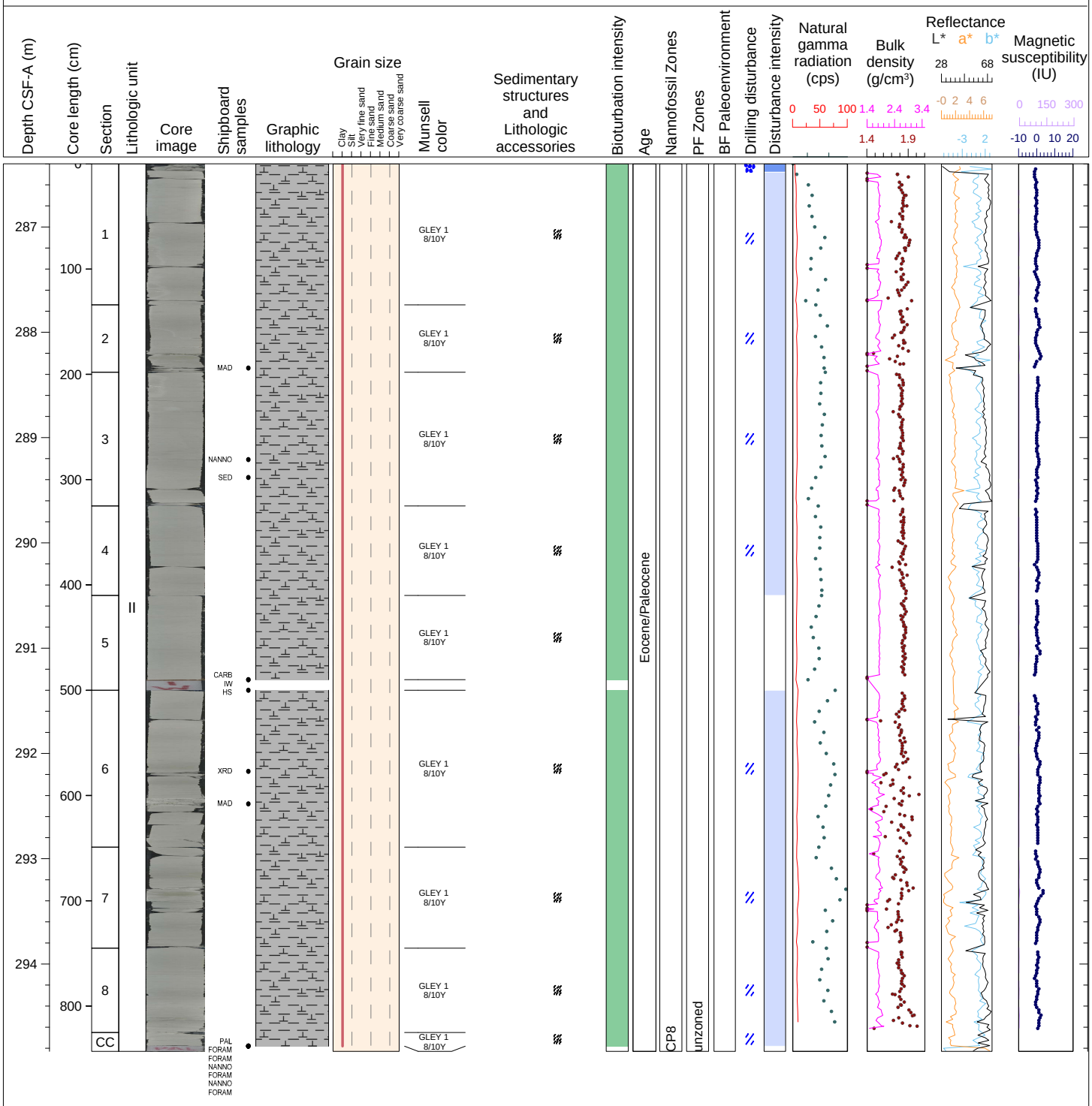
Hole 369-U1514C Core 11R, Interval 276.8-283.31 m (CSF-A)

Core 11R is dominated by a pale yellow (2.5Y 7/3), and light gray (2.5Y 7/2) nannofossil-rich claystone, interbedded with several light greenish gray (GLEY 1 8/10Y) ones. A sharp inclined boundary is present at 68 cm of Section 2. Above the boundary, abundant dark sulfide minerals are present in burrows. And below boundary, at 58-103 cm of Section 2, there are several thin layers with inclined sharp boundaries and soft deformation structures occur at 79-86 cm. Bioturbation is moderate throughout the core. The upper interval of that boundary has none to slightly drilling disturbance, but it exhibits moderate biscuiting or fractured for the rest cores.



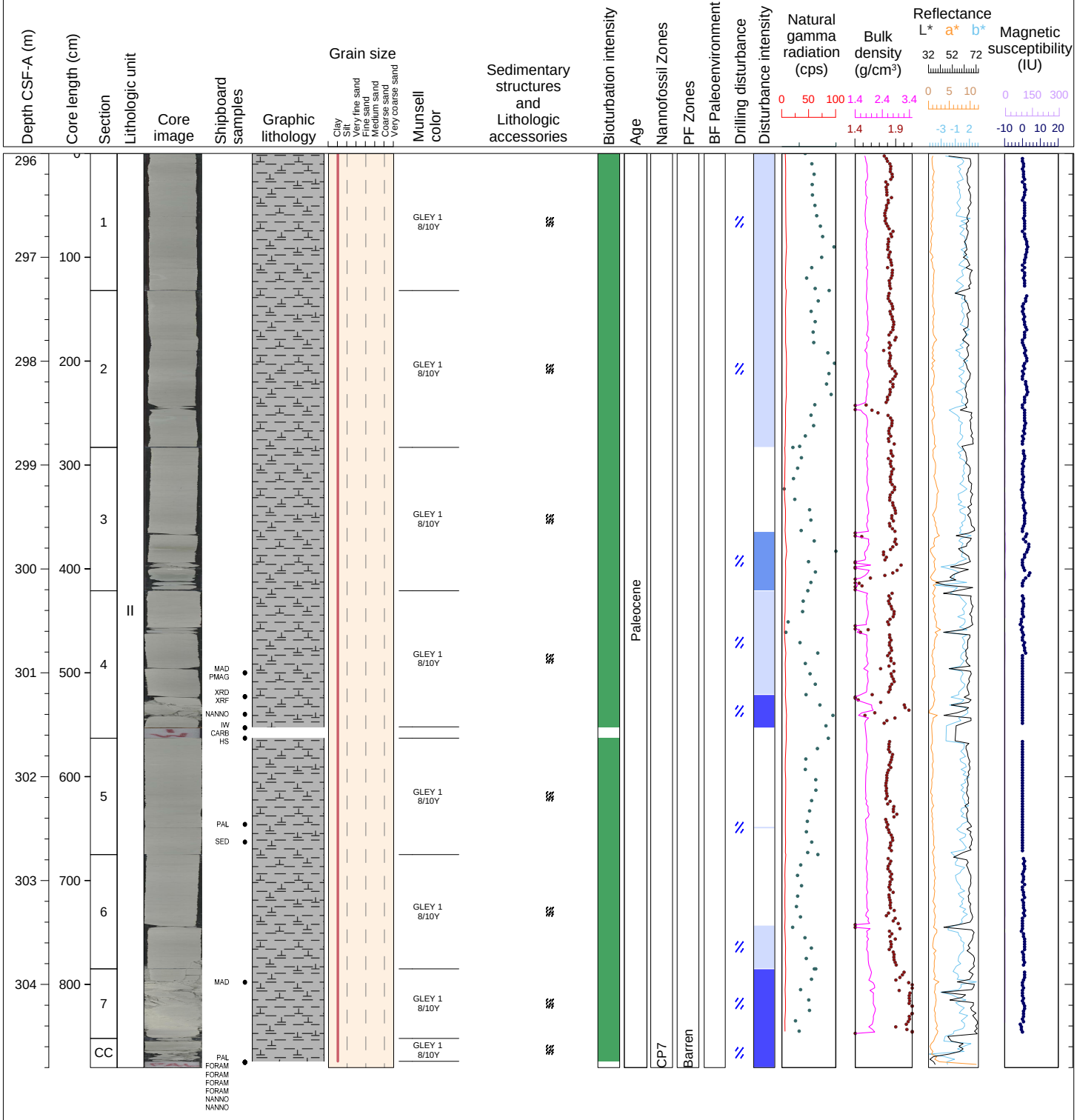
Hole 369-U1514C Core 12R, Interval 286.4-294.83 m (CSF-A)

Core 12R is dominated by a light greenish gray nannofossil-rich claystone (GLEY 1 8/10Y), interbedded with several greenish gray (GLEY 1 8/10Y) layers between 47-52 cm of Section 2, 68-76 cm and 85-90 cm of Section 6, 41-54 cm of Section 7 and 63-70 cm of Section8. Bioturbation intensity is low to moderate throughout the core. The core is slightly fractured except for Section 5 which was not affected by drilling disturbance.



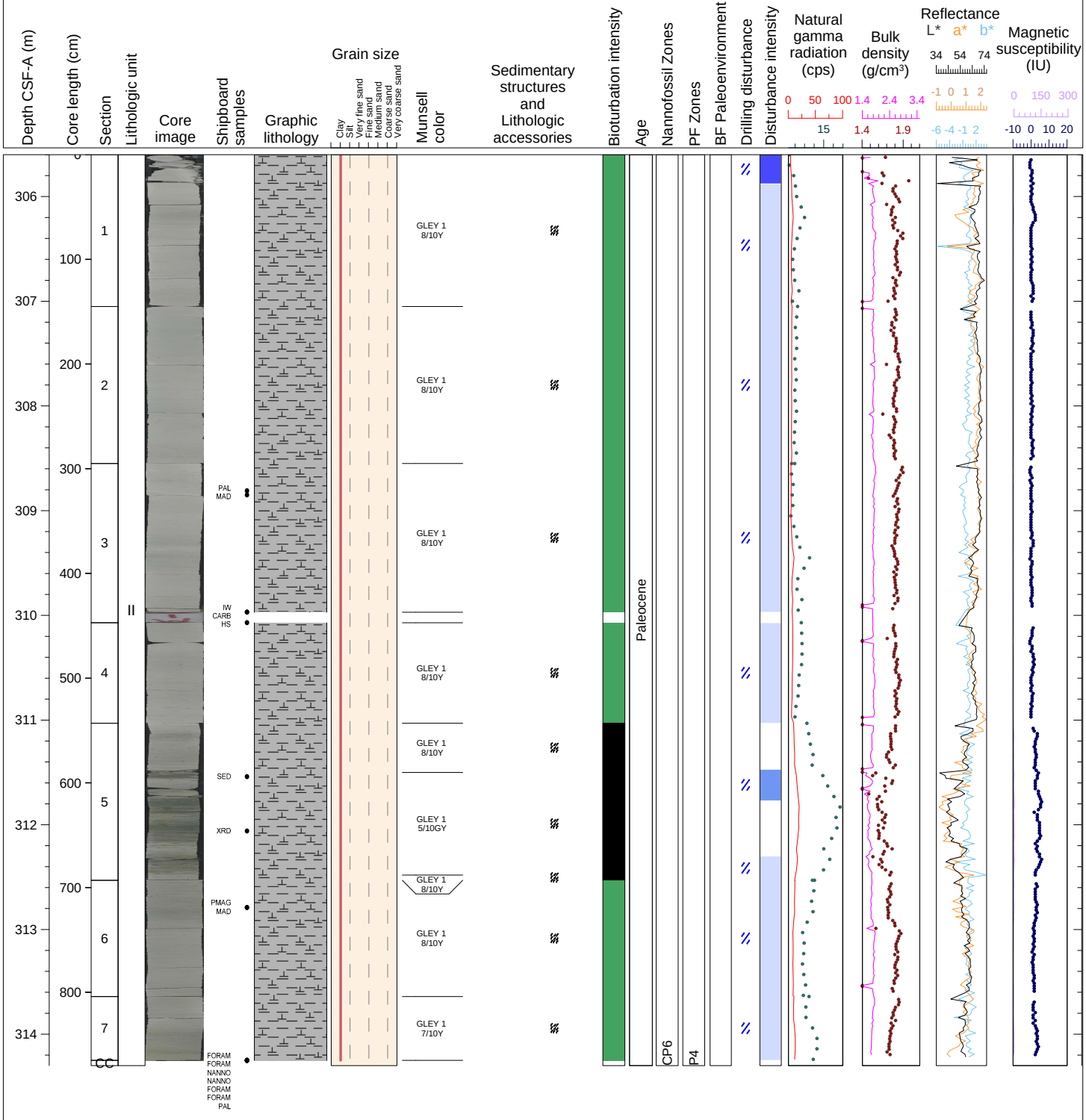
Hole 369-U1514C Core 13R, Interval 296.0-304.8 m (CSF-A)

Core 13R is dominated by a light greenish gray nannofossil-rich claystone (GLEY 1 8/10Y), Greenish gray (GLEY 1 6/5G) intervals are present in Section 3 at 95-03 cm and 120-127 cm, and Section 4 at 113-120 cm, Bioturbation intensity is moderate and there are a number of well-preserved zoophycus burrows throughout. There is no drilling disturbance in Sections 3 (0-81 cm), 5 (0-85, 87-112 cm), and 6 (0-68 cm) exhibit no disturbance from drilling. Drilling disturbance is slightly to severely fractured throughout the rest of the core.



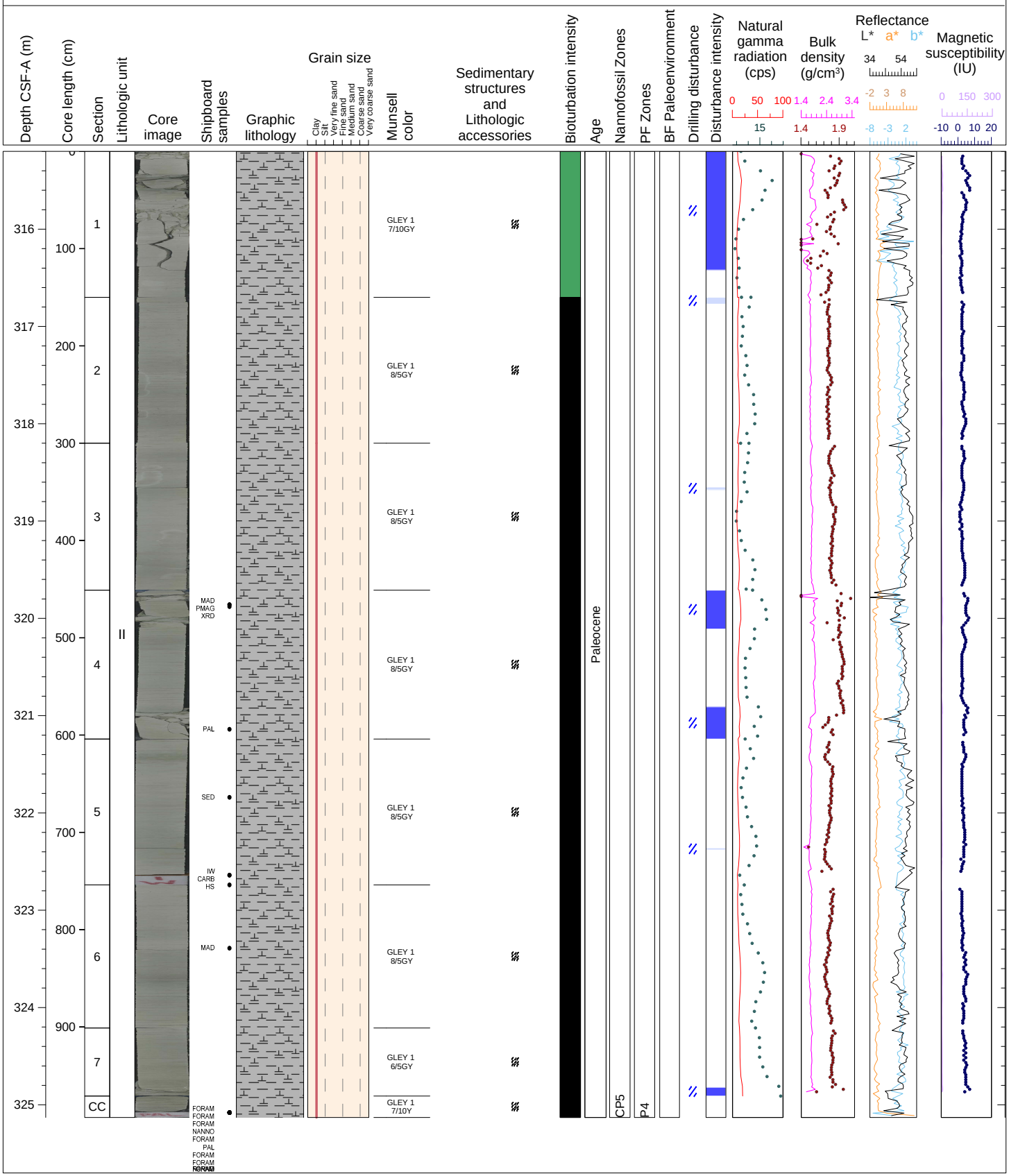
Hole 369-U1514C Core 14R, Interval 305.6-314.3 m (CSF-A)

Core 14R is dominated by a light greenish gray nannofossil-rich claystone (GLEY 1 8/10Y). Bioturbation intensity is moderate throughout most of the core with Sections 5 and 6 being highly bioturbated. Chondrites burrows are present throughout the core and are commonly infilled with black sulfide(?) minerals. Well-preserved zoophycus burrows are also common. Most of the core is slightly fractured by drilling disturbance. The top of Section 1 is severely fractured.



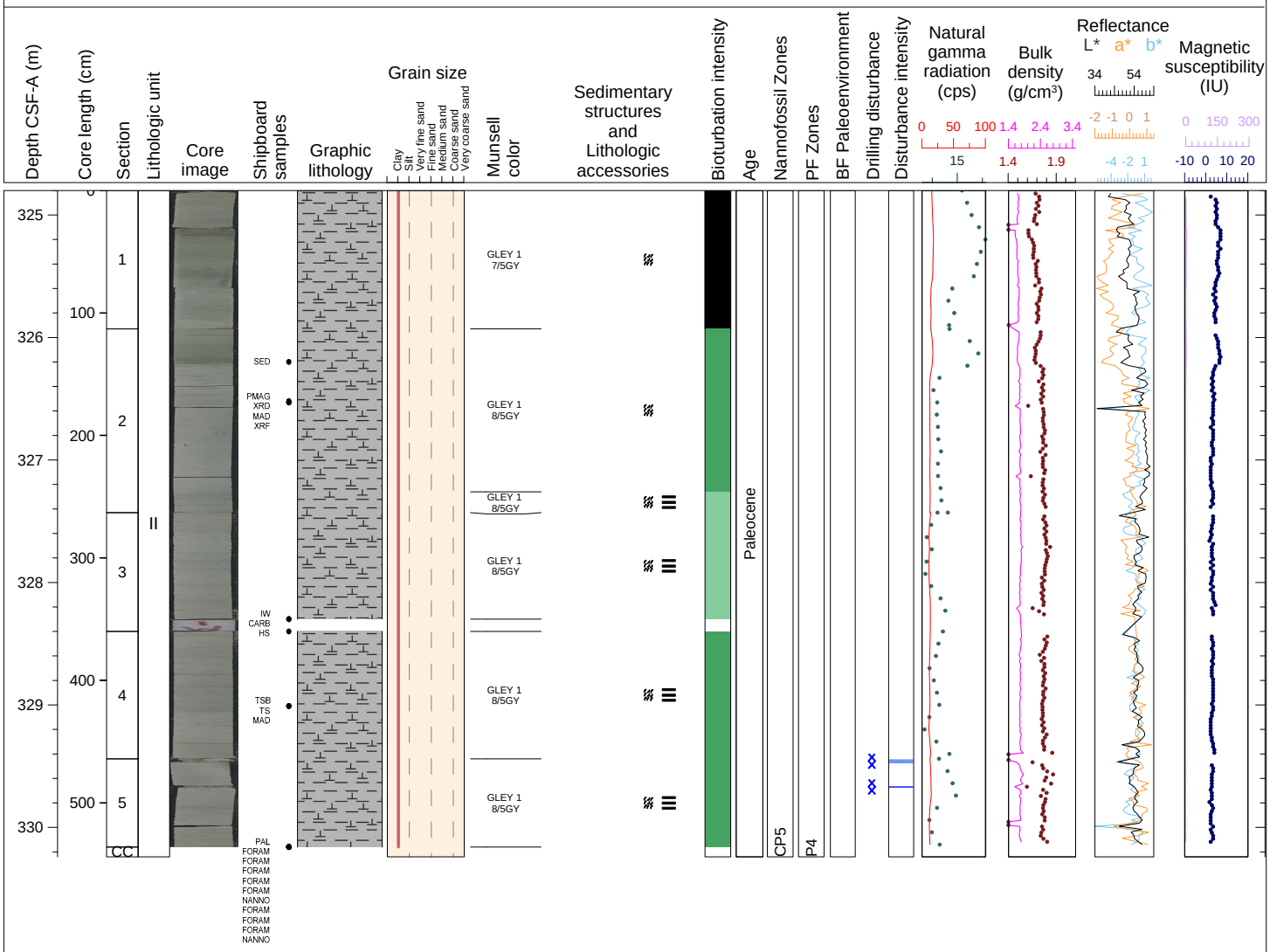
Hole 369-U1514C Core 15R, Interval 315.2-325.13 m (CSF-A)

Core 15R is dominated by a light greenish gray (GLEY 1 8/5GY) and greenish gray (GLEY 1 6/5GY) nannofossil-rich claystone. Bioturbation intensity is moderate to high throughout the core and is higher in the slightly darker greenish gray intervals. Well-preserved zoophycus burrows are common throughout. The majority of the core is undisturbed by drilling; however, a few intervals are slightly to severely fractured.



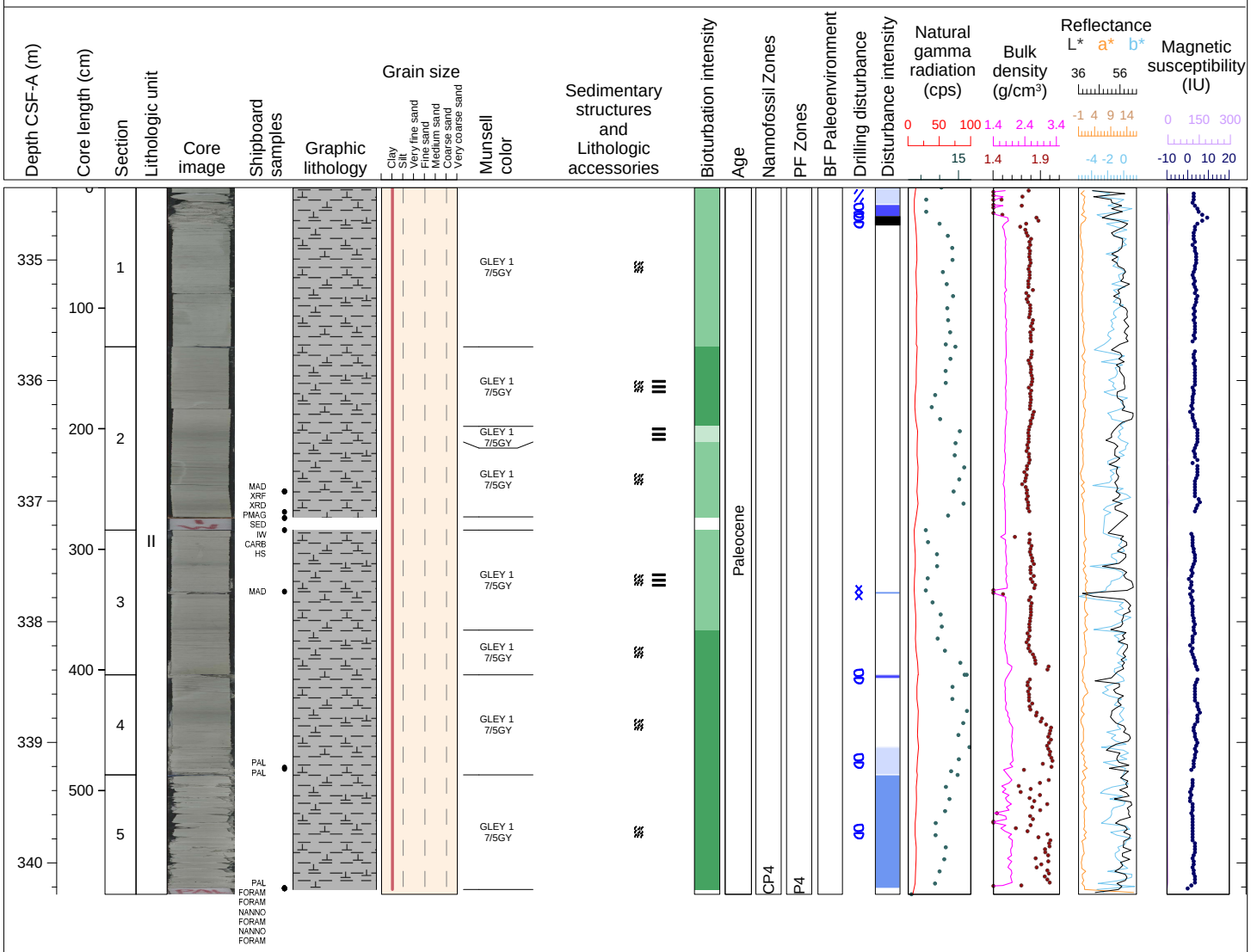
Hole 369-U1514C Core 16R, Interval 324.8-330.24 m (CSF-A)

Core 16R is dominated by a light greenish gray (GLEY 1 7/5GY) nannofossil-rich claystone. Parallel laminations are present in Sections 2 to 5 cm. Bioturbation intensity is low to high throughout the core and is higher in the slightly darker greenish gray intervals in Sections 1 and 2. Zoophycos burrows are present in Sections 2 to 5. The majority of the core is undisturbed by drilling; however, a few intervals are slightly to severely fractured.



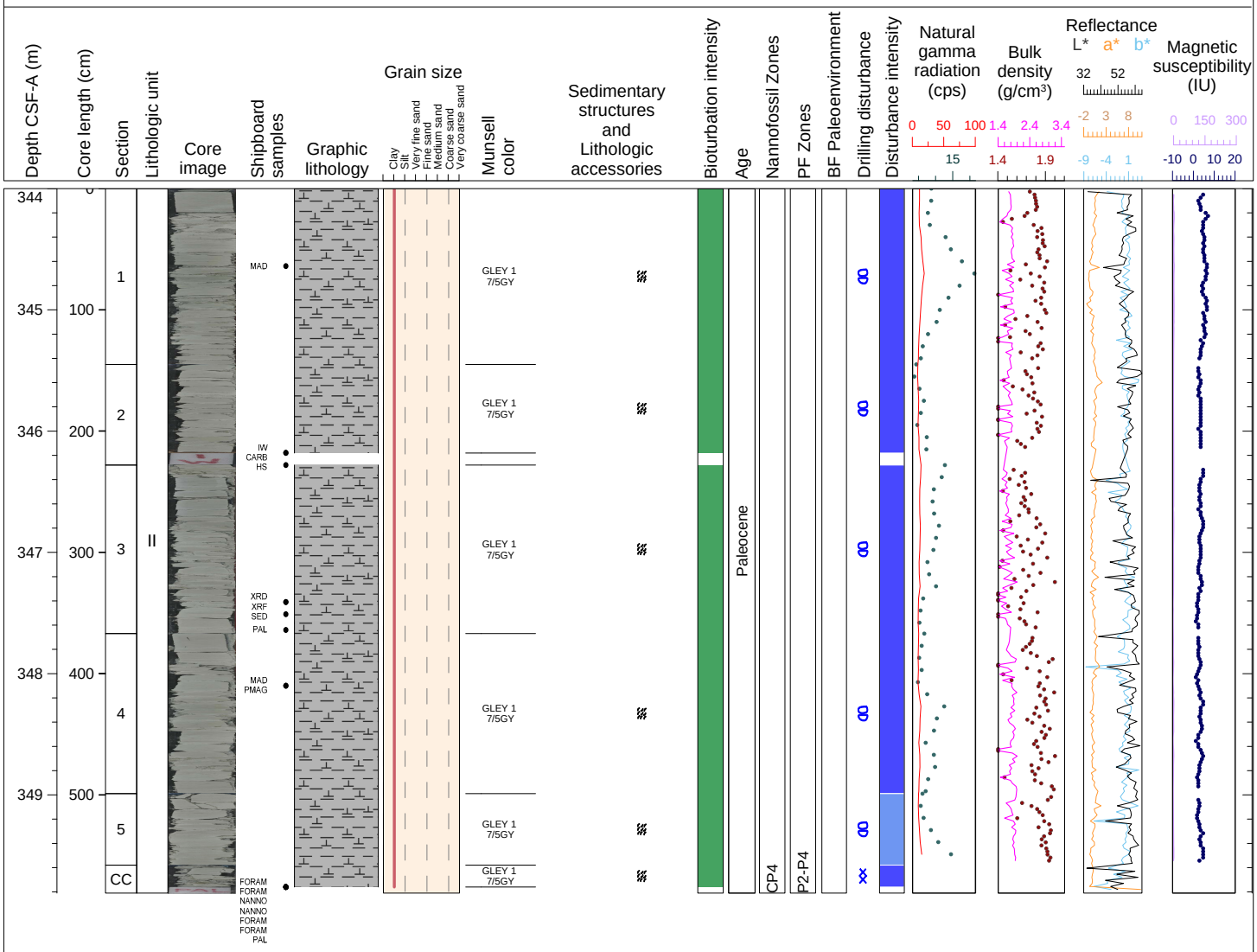
Hole 369-U1514C Core 17R, Interval 334.4-340.26 m (CSF-A)

Core 17R is dominated by a light greenish gray (GLEY 1 7/5GY) nannofossil-rich claystone. Parallel laminations are present in Sections 2 and 3. Bioturbation intensity is low to moderate throughout the core. Zoophycos, planolites and chondrites burrows are present throughout the core. The majority of the core is undisturbed by drilling; however, a few intervals are slightly to severely biscuited in section 1 (0-31 cm) in section 4 (60-83 cm) and throughout the section 5.



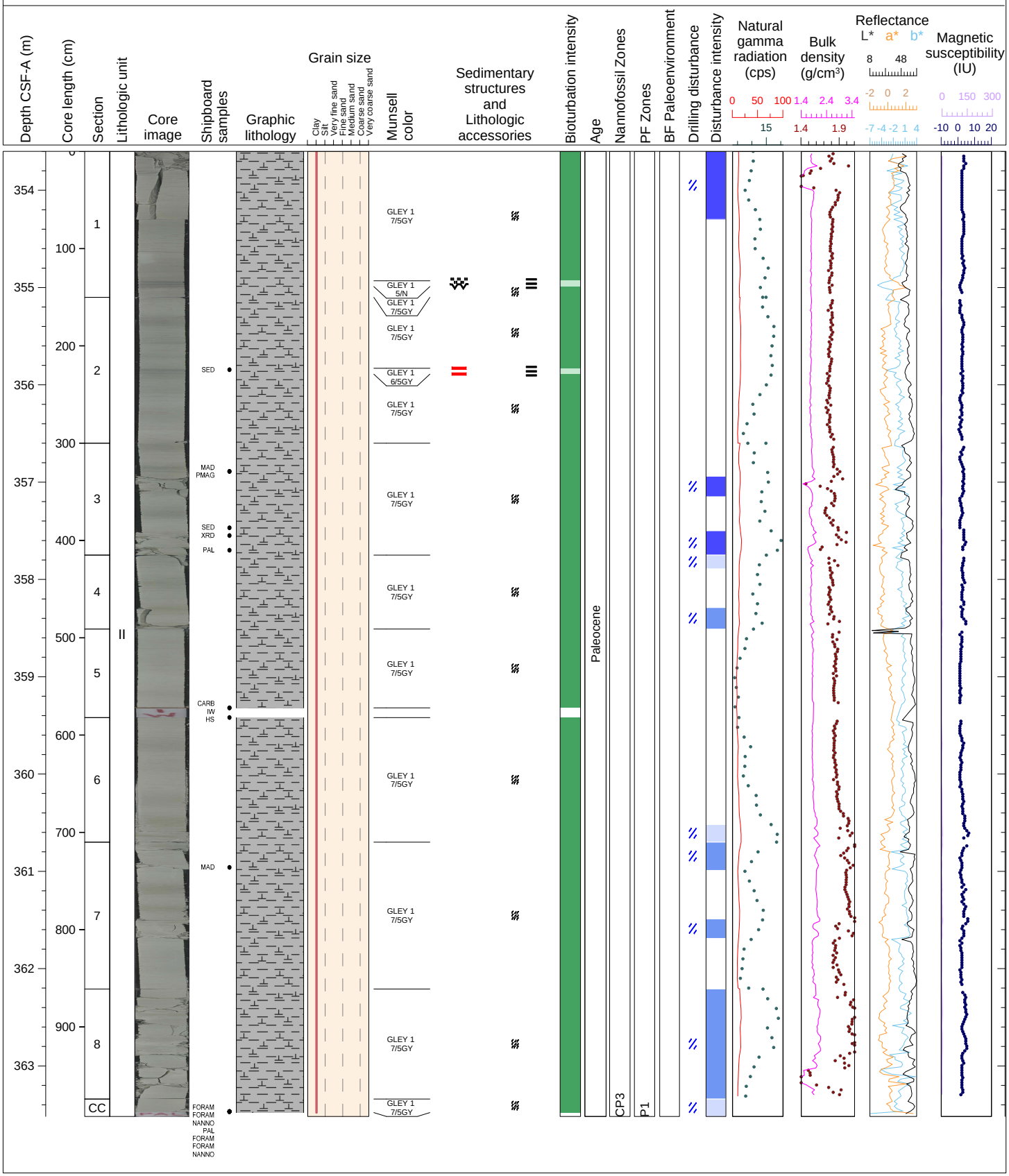
Hole 369-U1514C Core 18R, Interval 344.0-349.81 m (CSF-A)

Core 18R is dominated by a light greenish gray (GLEY 1 7/5GY) nannofossil-rich claystone. Bioturbation intensity is moderate throughout the core. Zoophycos, p and chondrites burrows are present in Section 3, 4 and 5. Drilling disturbance is severely biscuited throughout the core, except for the section CC, which exhibits severely brecciated drilling disturbance.



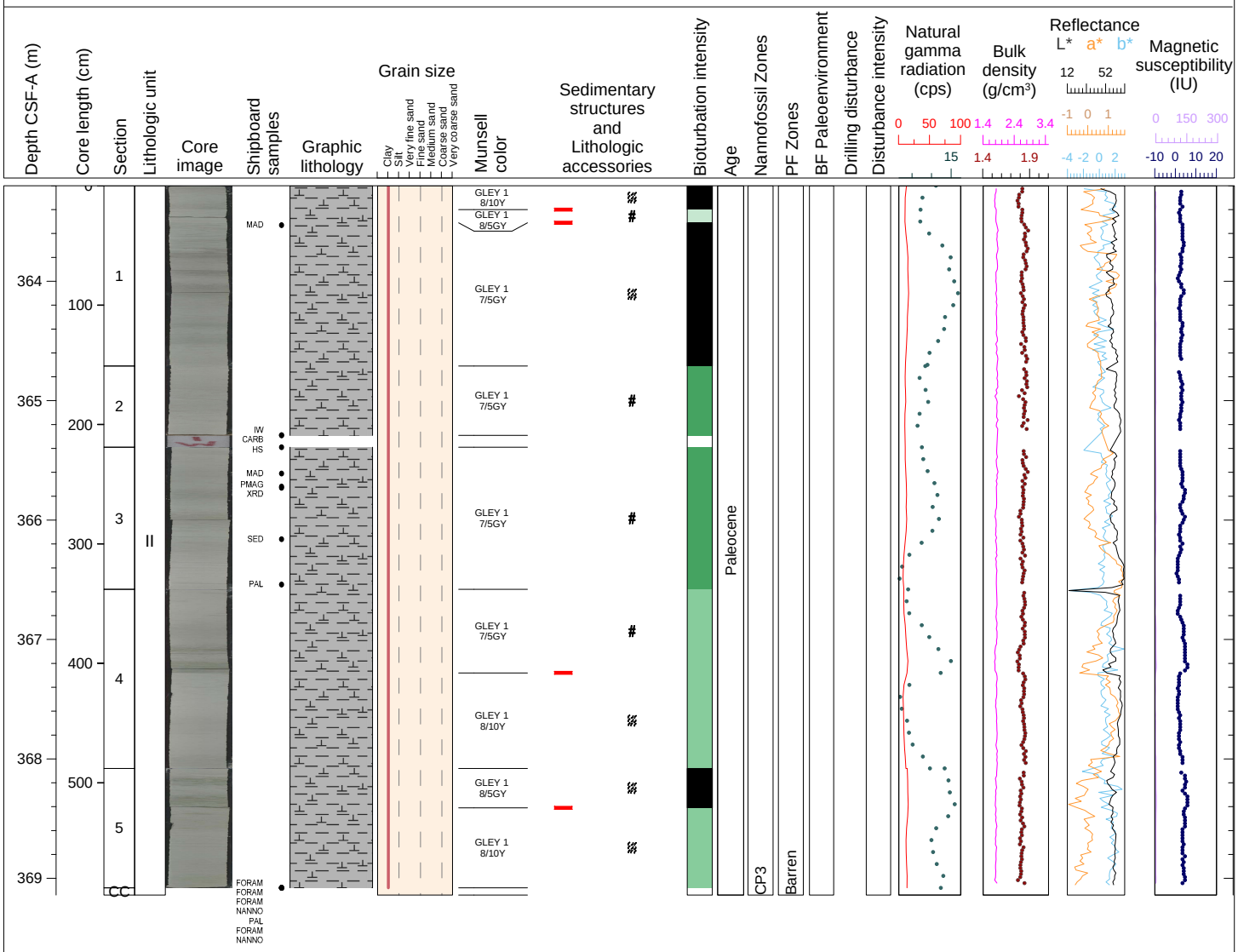
Hole 369-U1514C Core 19R, Interval 353.6-363.52 m (CSF-A)

Core 19R is dominated by a light greenish gray (GLEY 1 7/5GY) nannofossil-rich claystone. Parallel laminations are present in Sections 1 and 2. There are also intervals that are darker in color (greenish gray, GLEY 1 6/10Y) throughout the core. Bioturbation intensity is sparse to moderate throughout the core with Zoophycos burrows in Section 6. Most sections are slightly to severely fractured with some intervals unaffected by drilling disturbances.



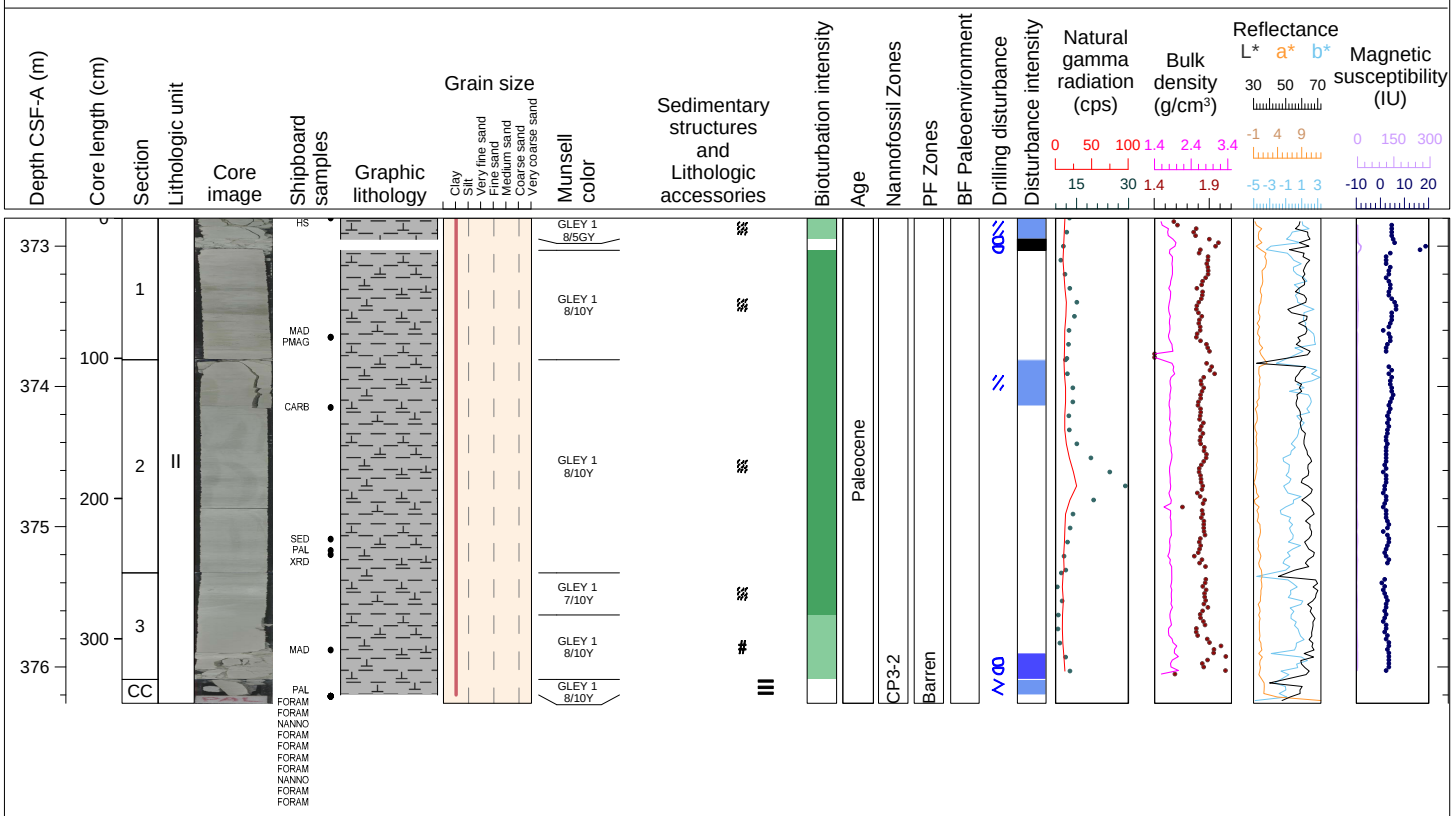
Hole 369-U1514C Core 20R, Interval 363.2-369.14 m (CSF-A)

Core 20R is dominated by a light greenish gray (GLEY 1 7/5GY) nannofossil-rich claystone. There are intervals that are darker in color (greenish gray, GLEY 1 6/10Y) throughout the core. A fluid escape sedimentary figure is present in section 1. Bioturbation intensity is low to high throughout the core with Zoophycos burrows in Section 2, 3, 5 and chondrites burrow in section 4. The core exhibits no drilling disturbance.



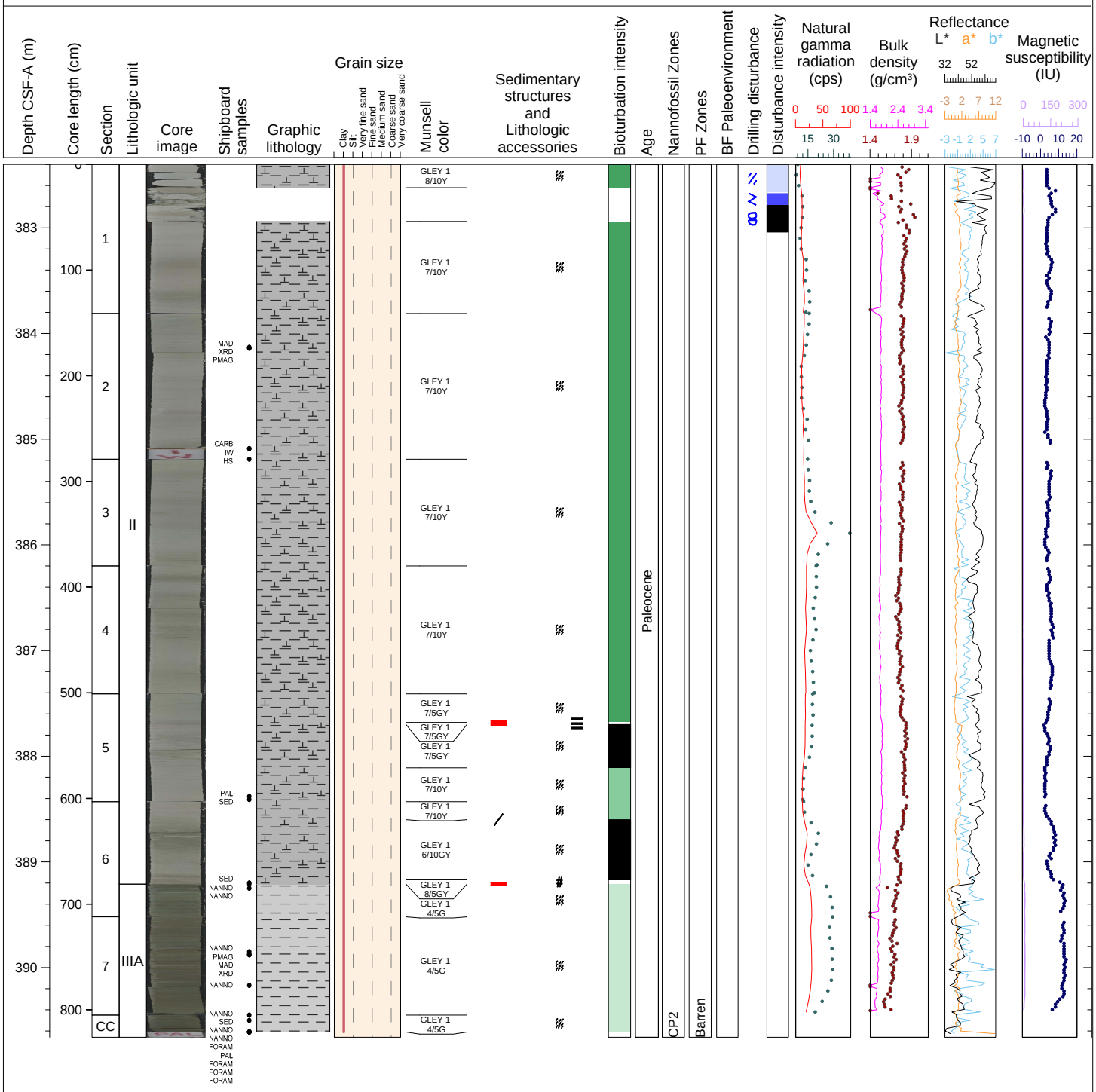
Hole 369-U1514C Core 21R, Interval 372.8-376.26 m (CSF-A)

Core 21R is dominated by a light greenish gray (GLEY 1 7/10Y) nannofossil-rich claystone. There are intervals that are darker in color (greenish gray, GLEY 1 7/10Y) throughout the core. Parallel laminations are present in the core catcher. Bioturbation intensity is absent to moderate throughout the core with Zoophycos burrows in Section 1 and chondrites burrows in Section 3. Part of the core is completely destroyed by biscuiting between 17 and 23 cm. The rest of the core is either moderately fractured or unaffected by drilling disturbance.



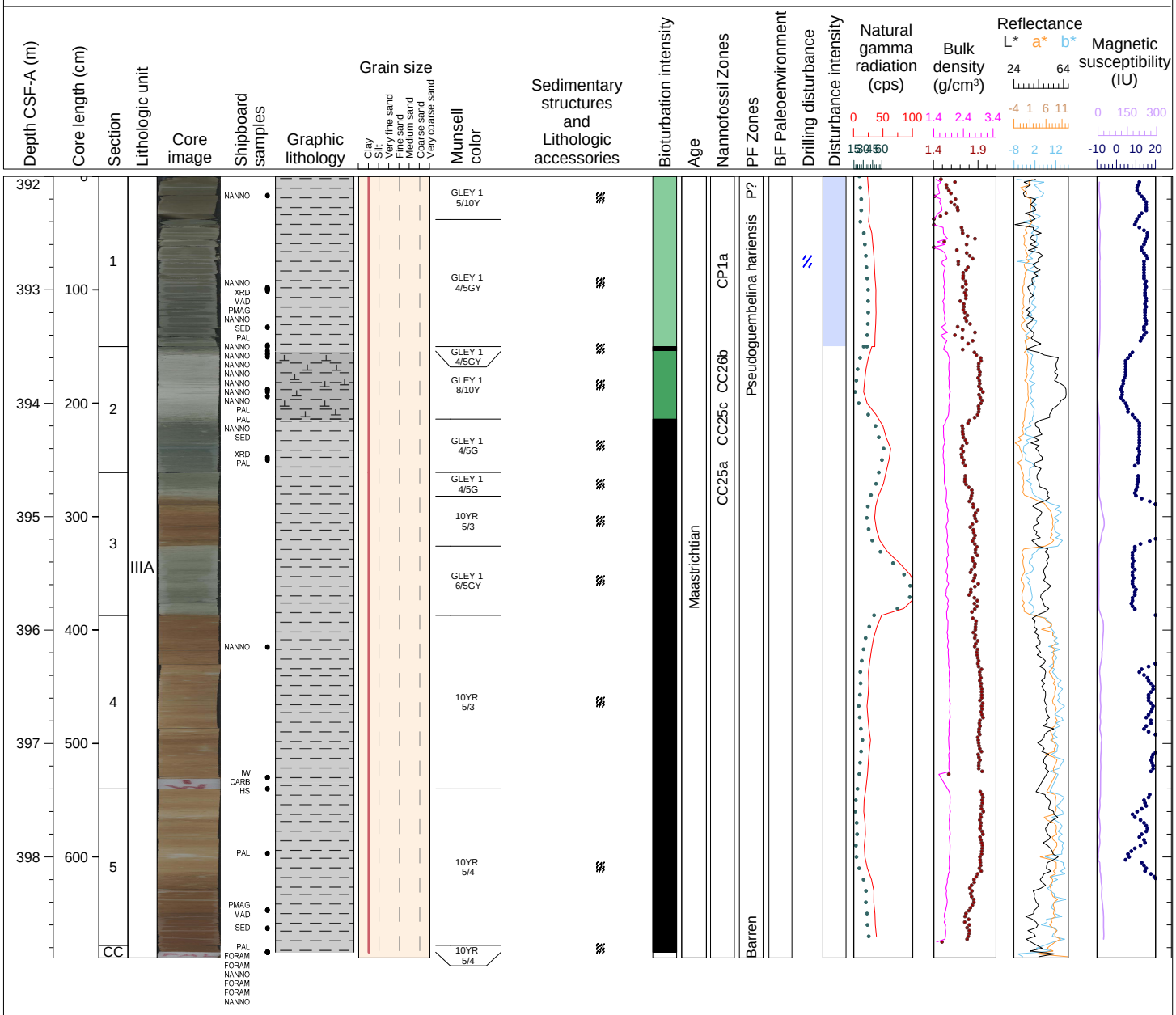
Hole 369-U1514C Core 22R, Interval 382.4-390.66 m (CSF-A)

Core 22R is dominated by a light greenish gray (GLEY 1 7/10Y and 7/5GY) nannofossil-rich claystone to section 6 (79cm). The rest of the core is dominated by a greenish gray to dark greenish gray clay (GLEY1 5/5G and 4/5G). There are intervals that are slight darker in color (greenish gray, GLEY 1 7/5GY) in Sections 1, 2, 3 and 4. Bioturbation intensity is absent to high throughout the core with Zoophycos burrows in Section 1, 2, 3 and 6 and planolites and possible teichichnus in section 6. The majority of the core is undisturbed by drilling, except for the top part of section 1 (0-64 cm), which exhibits severe to destroy biscuited and moderate to severe fragmented drilling disturbance.



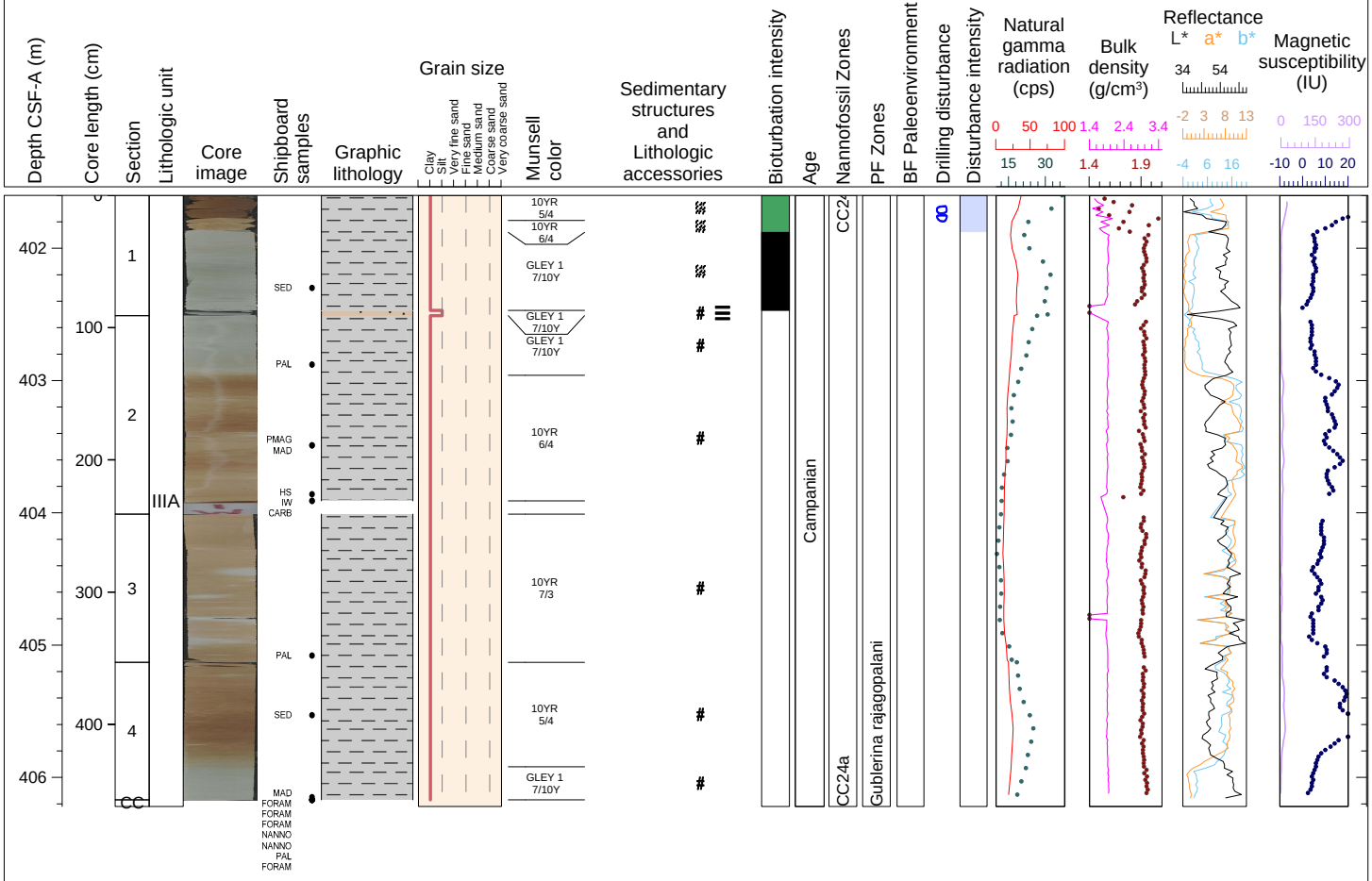
Hole 369-U1514C Core 23R, Interval 392.0-398.89 m (CSF-A)

Core 23R is dominated by various colored claystone interbedded an interval of light greenish gray (GLEY 1 8/10Y) nannofossil chalk. The colors of claystone include greenish gray (GLEY 1 6/5GY), dark greenish gray (GLEY 1 4/5G), yellowish brown (10YR 5/4) and brown (10YR 5/3) , Bioturbation intensity is moderate to high throughout the core.



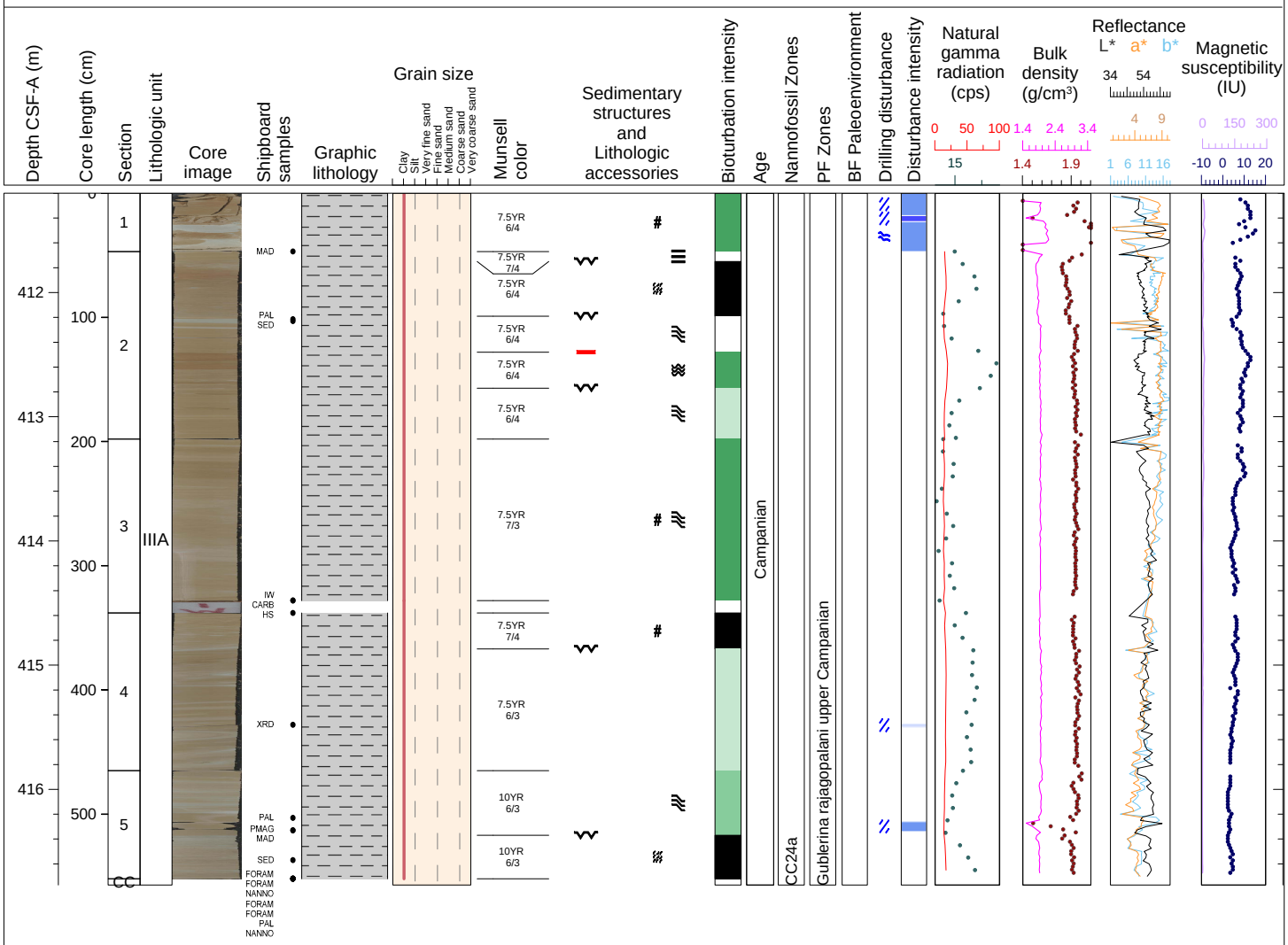
Hole 369-U1514C Core 24R, Interval 401.6-406.22 m (CSF-A)

Core 24R is dominated by claystone with interbedded colors of light greenish gray (GLEY 1 7/10Y), very pale brown (10YR 7/3) and yellowish brown (10YR 5/4). An interval of light greenish gray (GLEY 1 7/10Y) siltstone with parallel lamination is present at 87-91 cm of Section 1. Bioturbation intensity is moderate to high throughout the core. The core is none drilling disturbance.



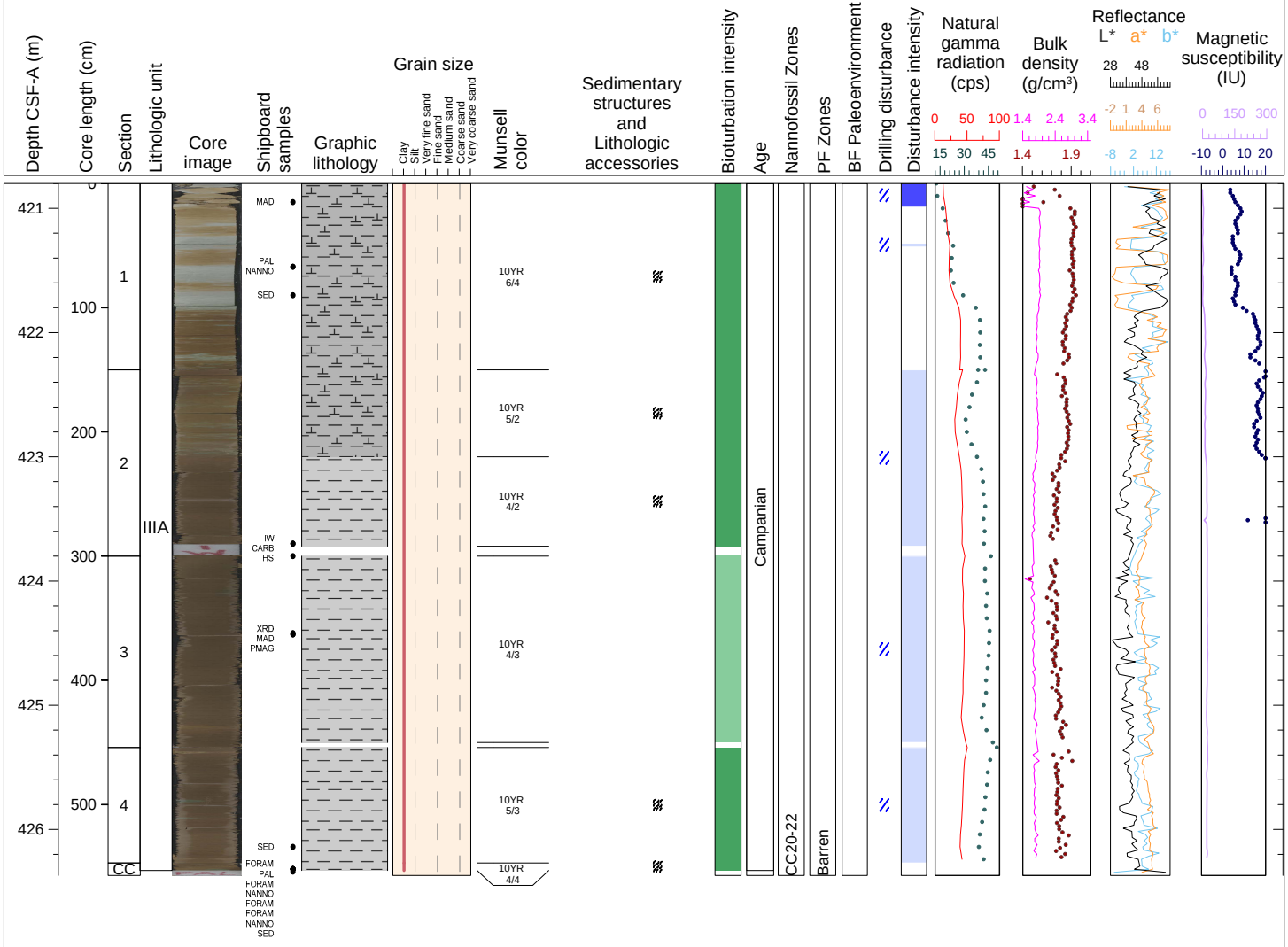
Hole 369-U1514C Core 25R, Interval 411.2-416.77 m (CSF-A)

Core 25R is dominated by light brown (7.5YR 6/4), pale brown (10YR 6/3), and pink (7.5YR 7/4) claystone. There are several thinly laminated intervals. Overall the bedding is convoluted and contains several ball-and-pillow structures as well as hinges from soft sediment folding. Bioturbation is variable throughout and ranges from being completely absent to moderate. Section 4 (29-127 cm) contains several thinly laminated intervals that appear to be folded over on top of themselves. There are notable fold 'hinges' at 48-51, 89-90, and 94-103 cm. There are several ball-and-pillow structures at 38-41, 79-80, and 80-83 cm. There is also a green infilled burrow from 118-120 cm. Overall the core is not highly disturbed but there are several intervals that are slightly to severely fractured and there is some flowage in Section 1.



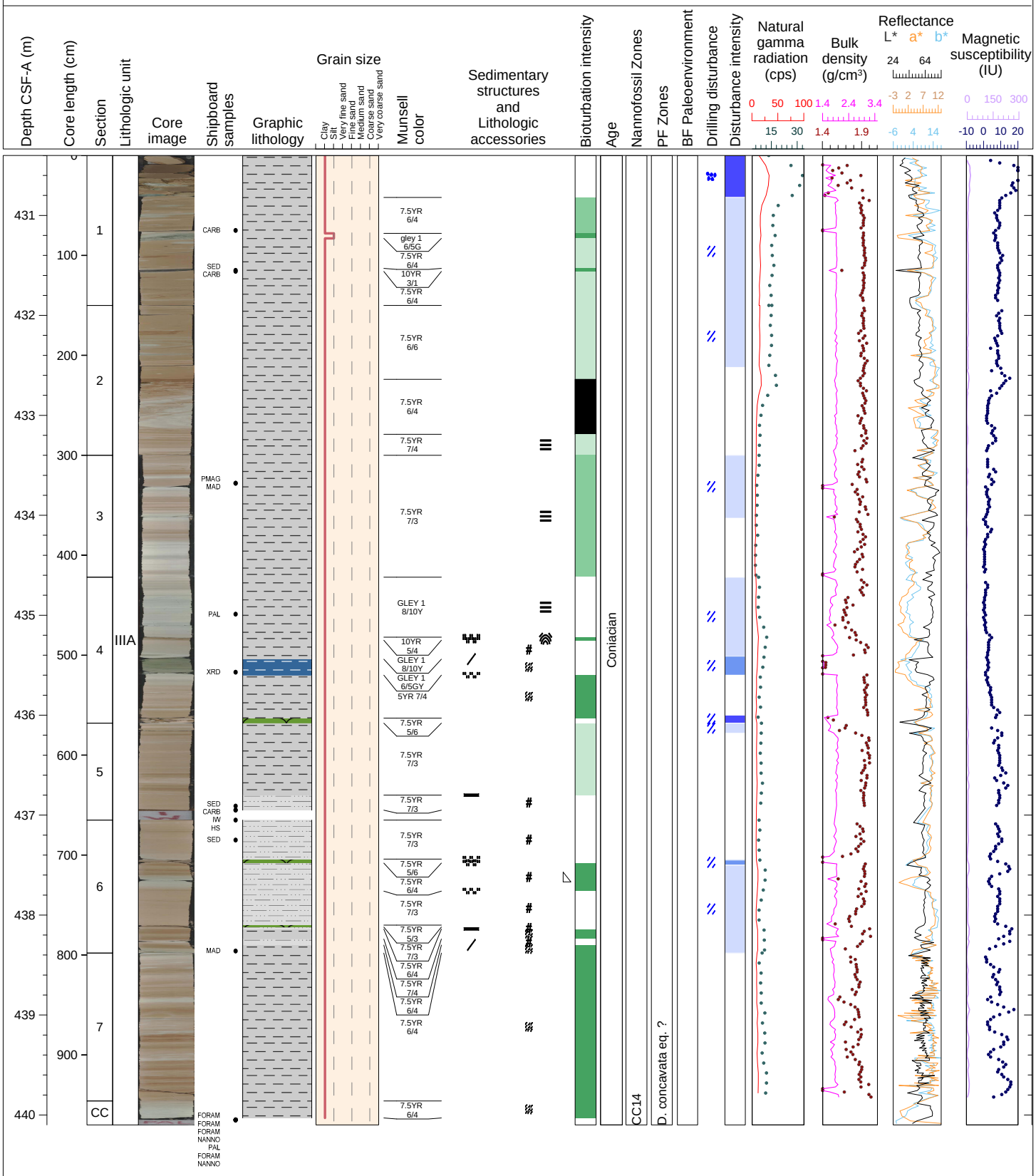
Hole 369-U1514C Core 26R, Interval 420.8-426.37 m (CSF-A)

Core 26R is dominated by light yellowish brown (10YR 6/4), to grayish brown (10YR 5/2), clayey nannofossil chalk and dark yellowish brown (10YR 4/2, 10YR 4/4), to brown (10YR 4/3, 10YR 5/3), claystone with nannofossils. Bioturbation intensity ranges form low to moderate. In Section 1 the color alternates every ~10-50 cm from light yellowish brown (10YR 6/4) to light greenish gray (GLEY 1 7/10GY) then becomes a yellowish brown (10YR 5/4) below 102 cm. Within the grayish brown interval (10YR 5/2) in Section 2 (0-70 cm), there are pale green (GLEY 1 7/5G) patches. In Sections 3 and 4, there are small white specks that are foraminifera; however, there was only trace amounts of foraminifera observed in smear slides. In Section 4, there are 2 grayish green (GLEY 1 5/5G) circular patches at 42-45 and 57-58 cm. In the CC there is a grayish green (GLEY 1 5/4) circular path from 5-6 cm.



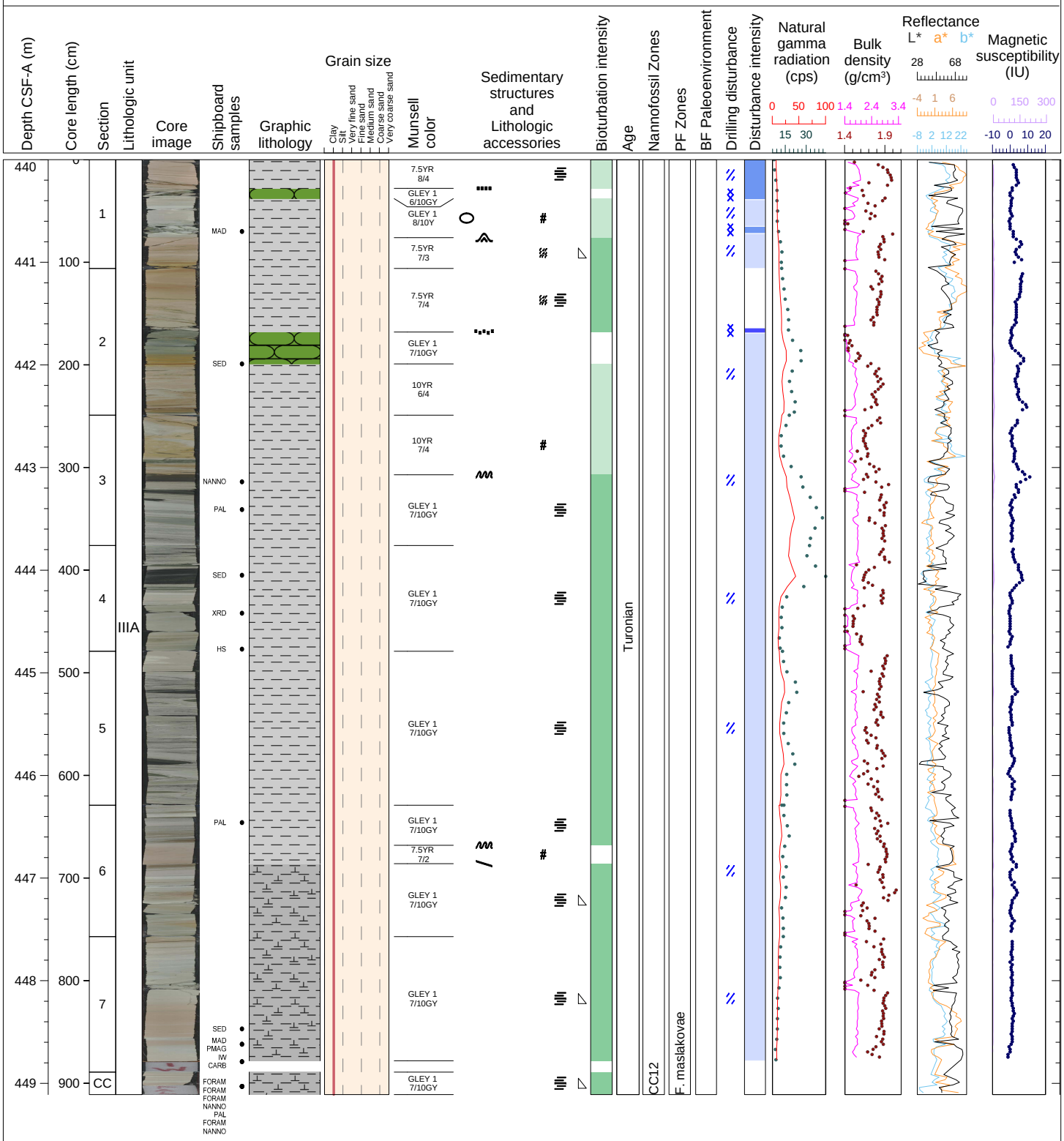
Hole 369-U1514C Core 27R, Interval 430.4-440.1 m (CSF-A)

Core 27R is dominated by a pink (5Y 7/4) claystone with nannofossils with regular alternations of light brown (7.5YR 5/6) to dark brown (7.5YR 6/4) claystone and claystone with nannofossils. At irregular intervals, there are thin beds of silty claystone and chert. There are a number of sedimentary structures present through out this core including parallel laminations, convolute bedding, microfaults and graded bedding with erosive bottom contacts - these are most evident in Sections 1-6. For the greater part, the core is massive or mottled. Bioturbation intensity varies from being entirely absent to high. The core is either unaffected by drilling disturbance or is slightly to severely fractured. There is fall in in the top of Section 1.



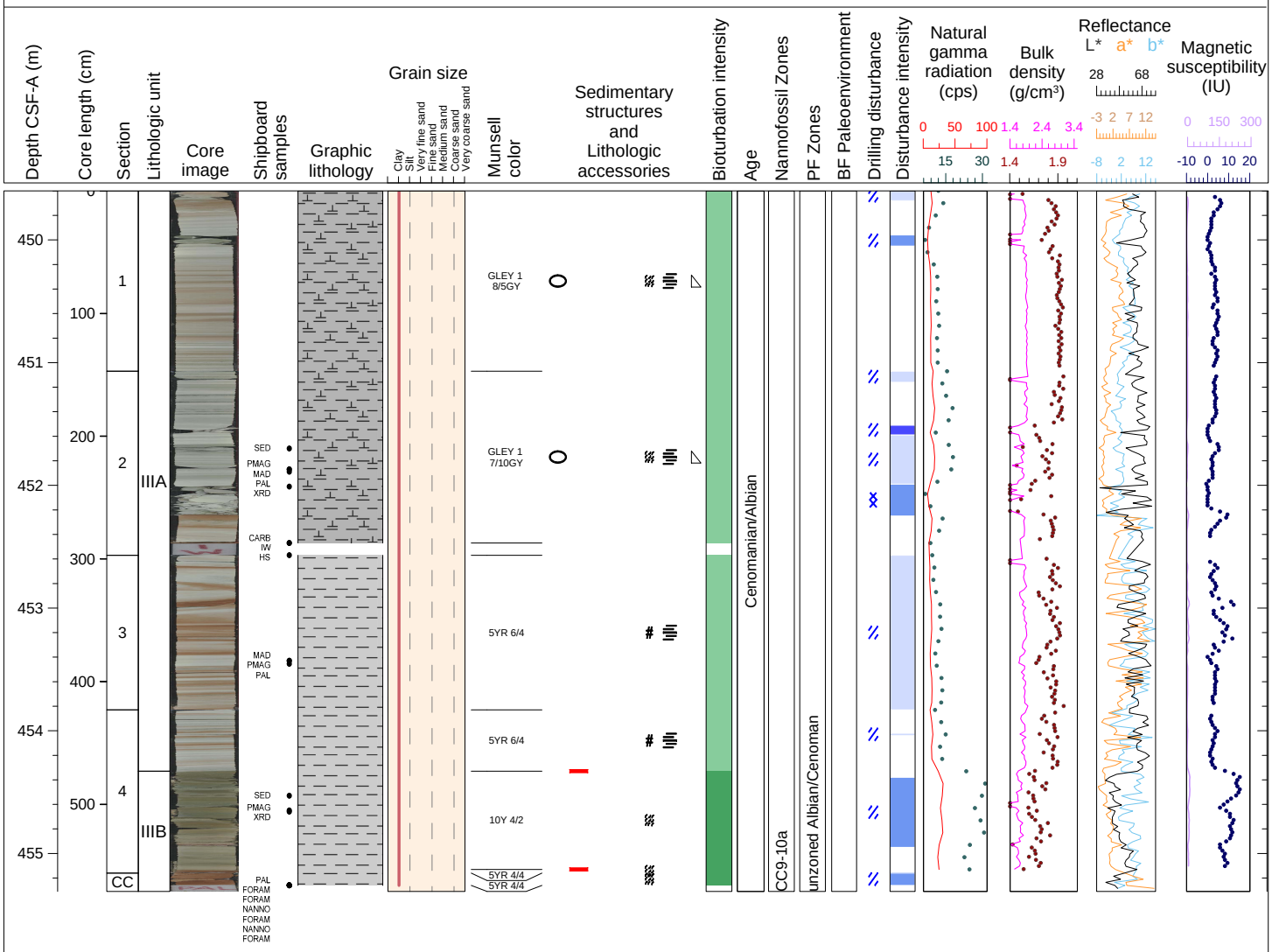
Hole 369-U1514C Core 28R, Interval 440.0-449.11 m (CSF-A)

Core 28R is dominated by claystones with nannofossils that vary in color from pinkish gray (7.5YR 7/2), to pink (7.5YR 8/4), to light greenish gray (GLEY 1 8/10Y, GLEY 1 7/10GY), to greenish gray (GLEY 1 6/10GY, GLEY 1 7/0GY) with occasional silty claystone intervals. Bioturbation ranges from completely absent to moderate. There are a mix of chaotic units and more massive units. In the chaotic units we have convolute bedding/laminations, ball-and-pillow, recumbent folds, microfaults (including slick and slides), and normally graded beds. Drilling disturbance is generally unaffected or slightly fractured.



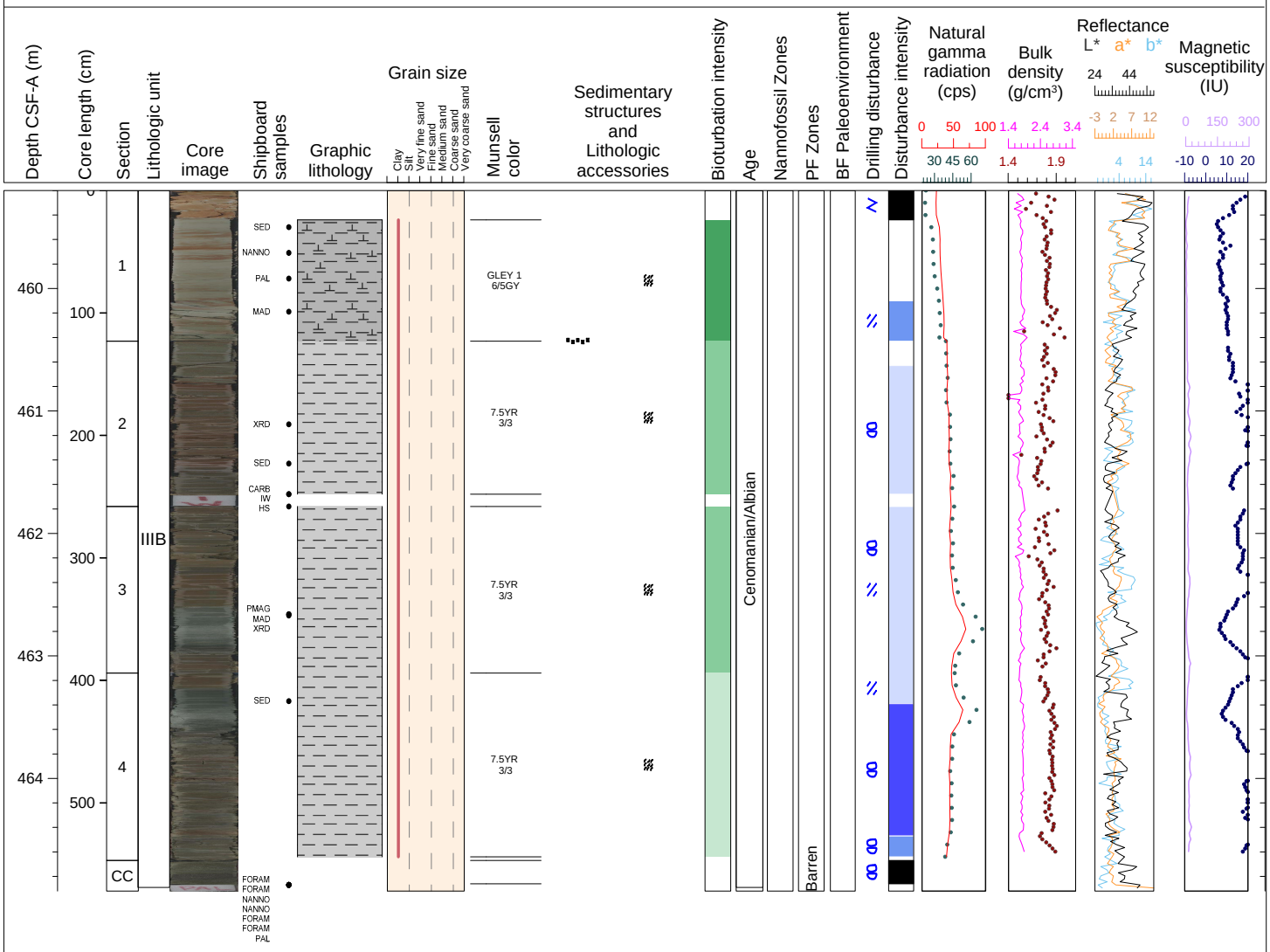
Hole 369-U1514C Core 29R, Interval 449.6-455.31 m (CSF-A)

Core 29R is dominated by a claystone with nannofossils that alternates in color from a light greenish gray (GLEY 1 7/10Y) to a light reddish brown (5YR 6/4) from Sections 1 to 4. This interval has convoluted laminations and thin normally graded beds (fine sand to clay) throughout. Cherts are also present in Sections 1 and 2. In Section 4, there is a sharp transition into a greyish green (10Y 4/2) and reddish brown (5YR 4/4) claystone that is massive and mottled. Bioturbation is low to moderate throughout. The core is slightly fractured as a result of drilling disturbances.



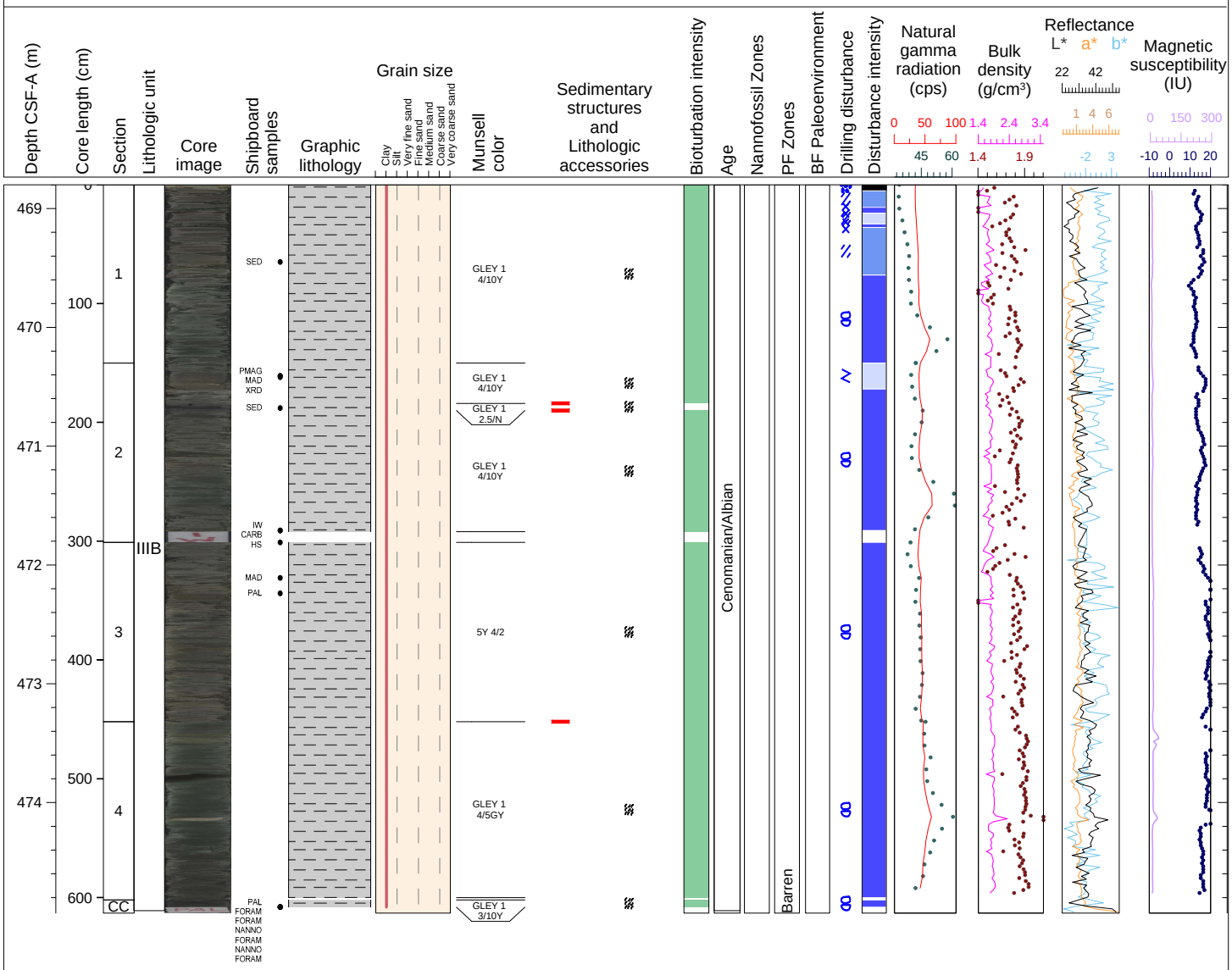
Hole 369-U1514C Core 30R, Interval 459.2-464.92 m (CSF-A)

Core 30R is dominated by a claystone with nannofossils that alternates in color from a light greenish gray (GLEY 1 6/5GY) in section 1 to dark brown (7.5YR 3/3) from Sections 2 to 4. Intervals of yellowish brown (10YR 5/4) are present in section 1. Intervals of greenish gray (GLEY1 5/10Y) are present in Sections 2 to 4. Bioturbation is sparse to moderate throughout. The majority of the core exhibit slight to moderate fragmented to biscuited drilling disturbance and two interval are destroyed in section 1 (0-24 cm) and the CC section.



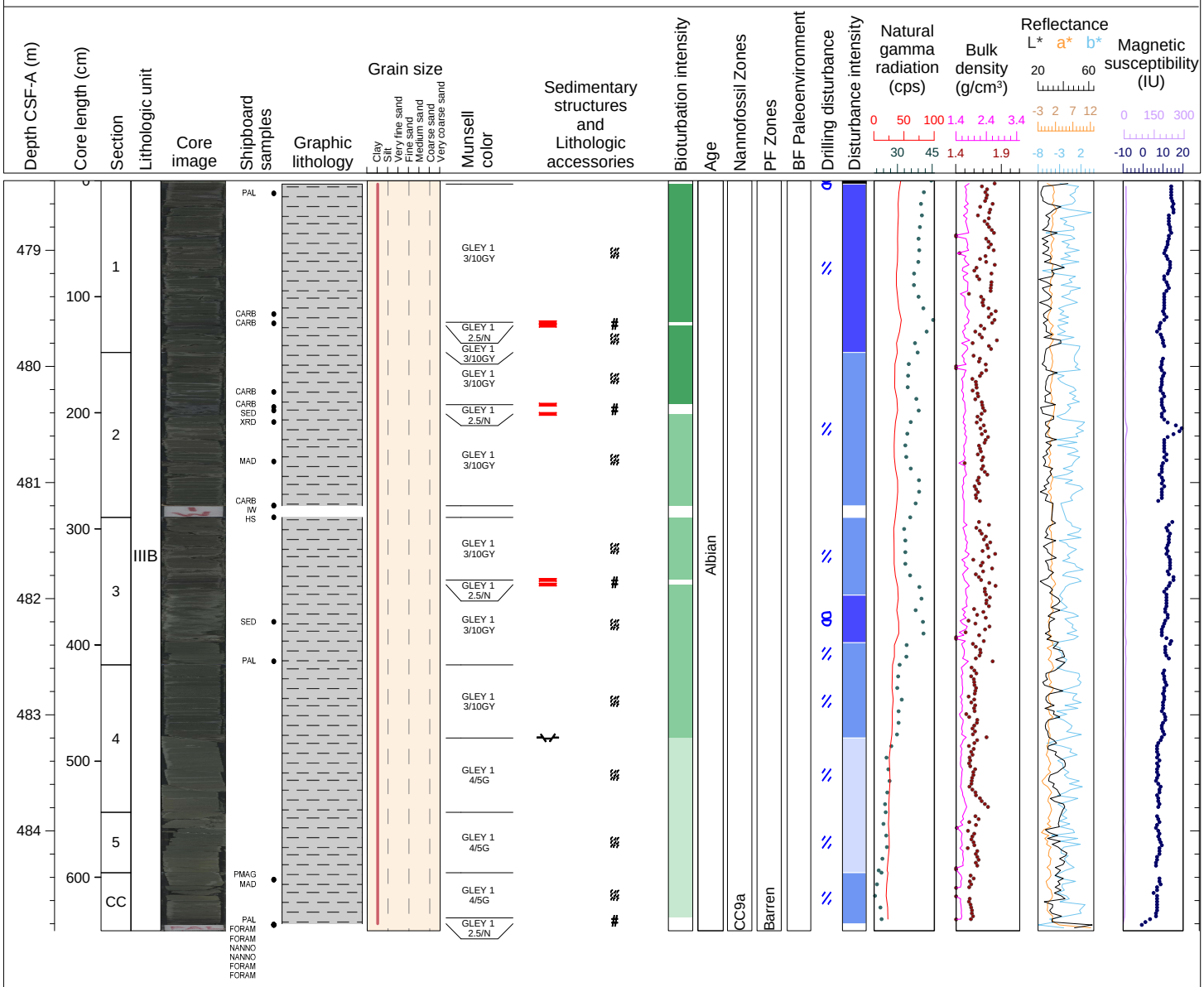
Hole 369-U1514C Core 31R, Interval 468.8-474.93 m (CSF-A)

Core 31R is dominated by a dark greenish gray claystone (GLEY 4/10Y) that irregularly changes in color to black (GLEY 1 2.5/N) and very dark greenish gray (GLEY 1 4/10Y) down hole. The claystone is structureless and mottled throughout. Bioturbation is low or entirely absent. The core has been severely biscuited as a result of drilling disturbances,



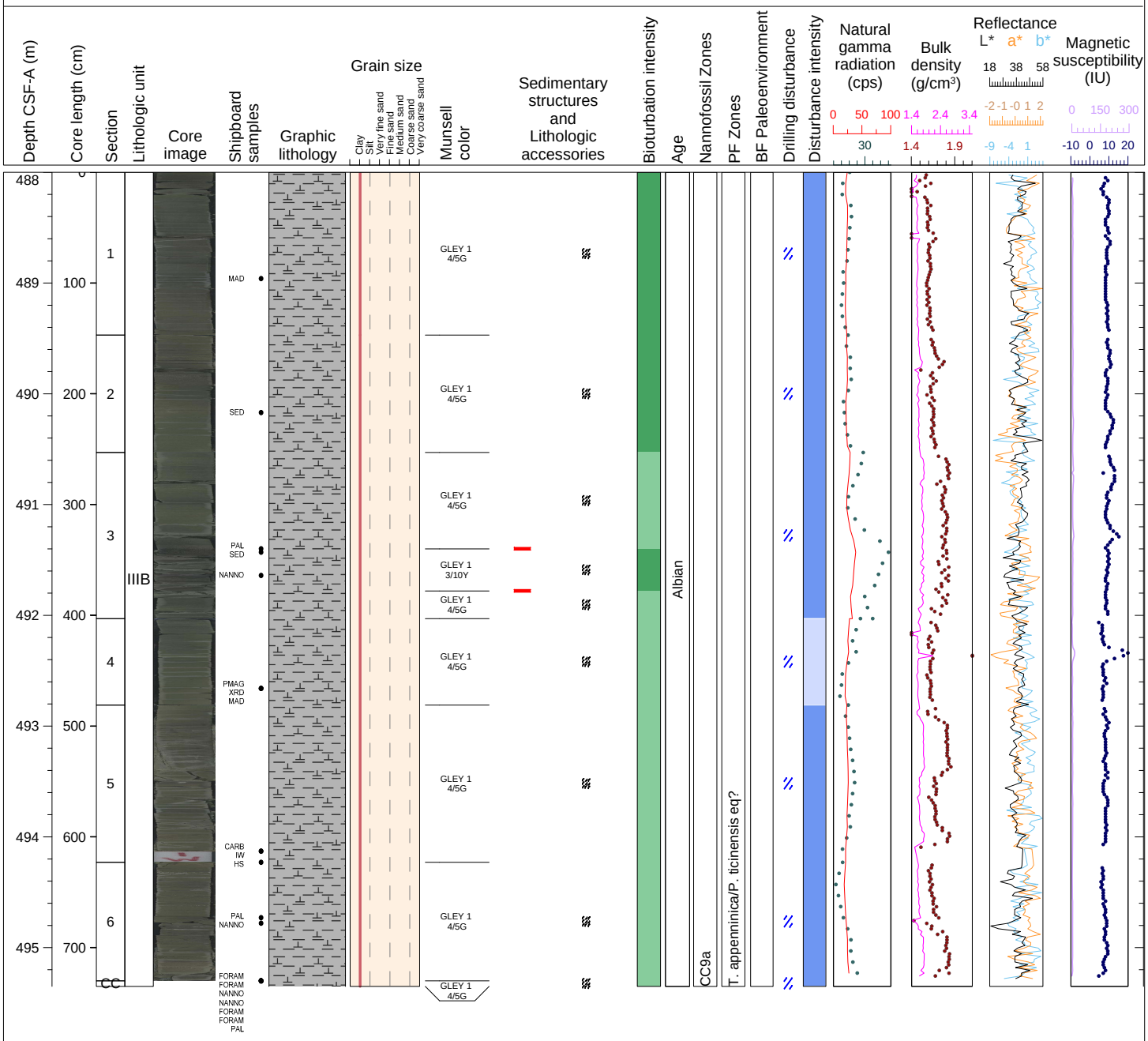
Hole 369-U1514C Core 32R, Interval 478.4-484.86 m (CSF-A)

Core 32R is dominated by a very dark greenish gray claystone (GLEY 3/10GY), with 4 intervals of black (GLEY 1 2/N) claystone in the section 1, 2, 3, CC. The very dark greenish gray claystone is structureless and mottled throughout. Bioturbation is sparse to moderate in the dark greenish gray claystone and absent in the black intervals. A normal fault of 55degrees is present in section 4 (63-69 cm). The core has been moderately to severely fractured and biscuited as a result of drilling disturbances,



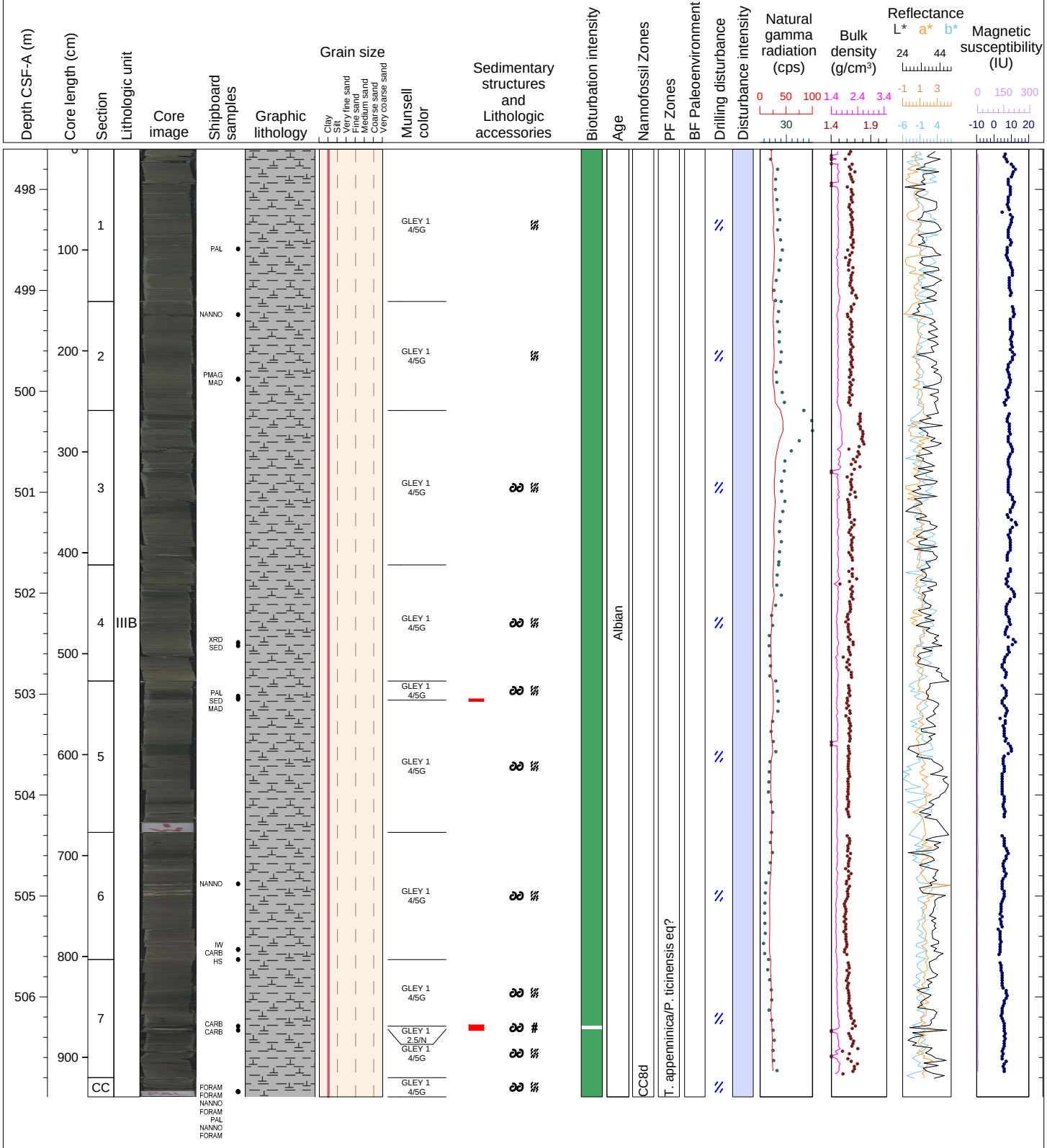
Hole 369-U1514C Core 33R, Interval 488.0-495.35 m (CSF-A)

Core 33R is dominated by a dark greenish gray nannofossil-rich claystone (GLEY 1 4/5G) that irregularly changes in color to black (GLEY 1 2.5/N) down hole. The claystone is structureless and mottled throughout. Bioturbation is low to moderate.



Hole 369-U1514C Core 34R, Interval 497.6-506.99 m (CSF-A)

Core 34R is dominated by a dark greenish gray nannofossil-rich claystone (GLEY 1 4/5G) that irregularly changes in color to black (GLEY 1 2.5/N) down hole. The claystone is structureless and mottled throughout. Bioturbation is low to moderate. Inoceramid fragments are concentrated in few intervals and shell fragments are trace throughout.



Hole 369-U1514C Core 35R, Interval 507.2-515.66 m (CSF-A)

Core 35R is dominated by a dark greenish gray claystone with nannofossils (GLEY 1 4/5G) that irregularly changes in color to black (GLEY 1 2.5/N) down hole. The claystone is structureless and mottled throughout. Bioturbation is moderate to intense. Inoceramid fragments are concentrated in few intervals and shell fragments are trace throughout.