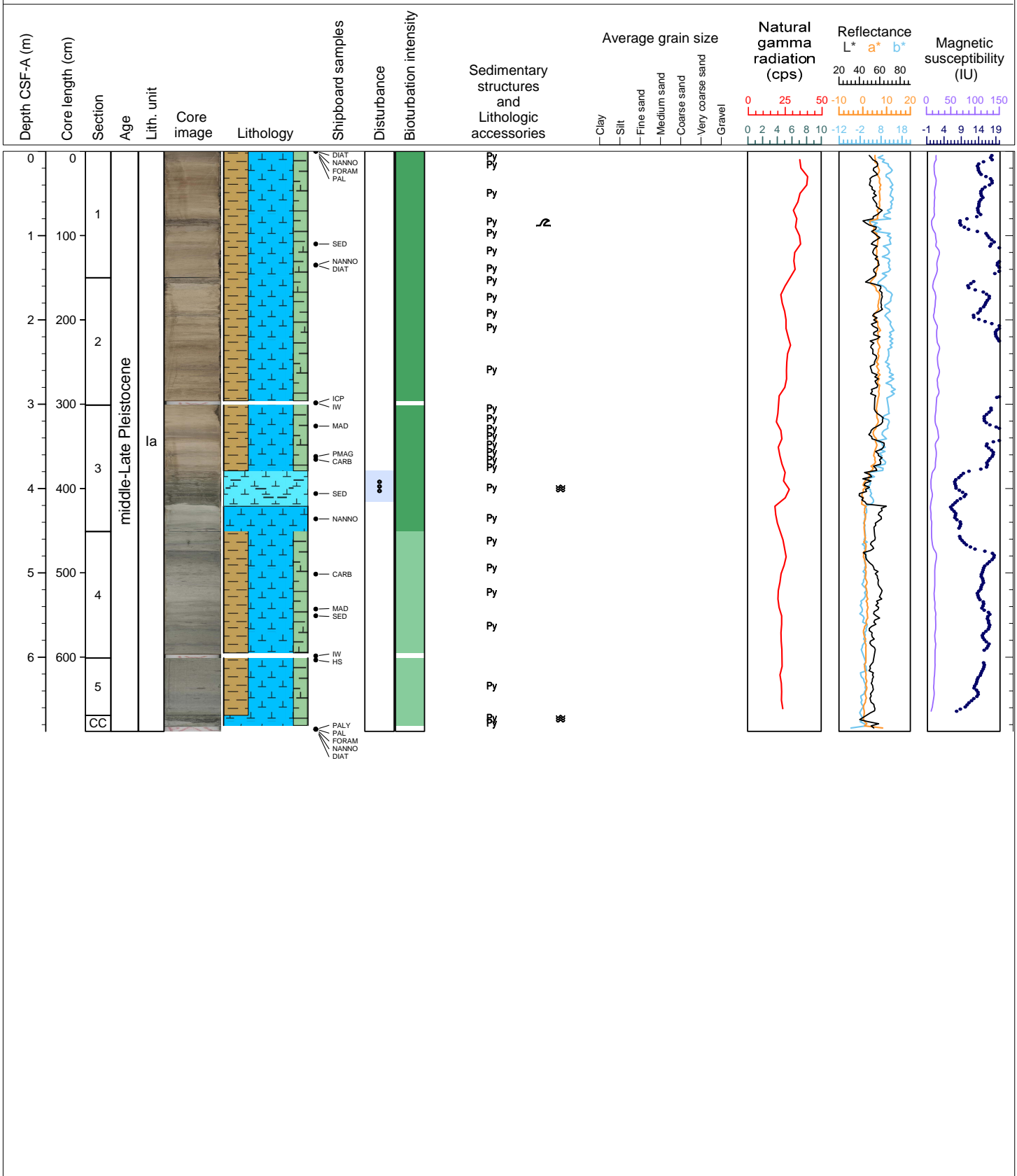


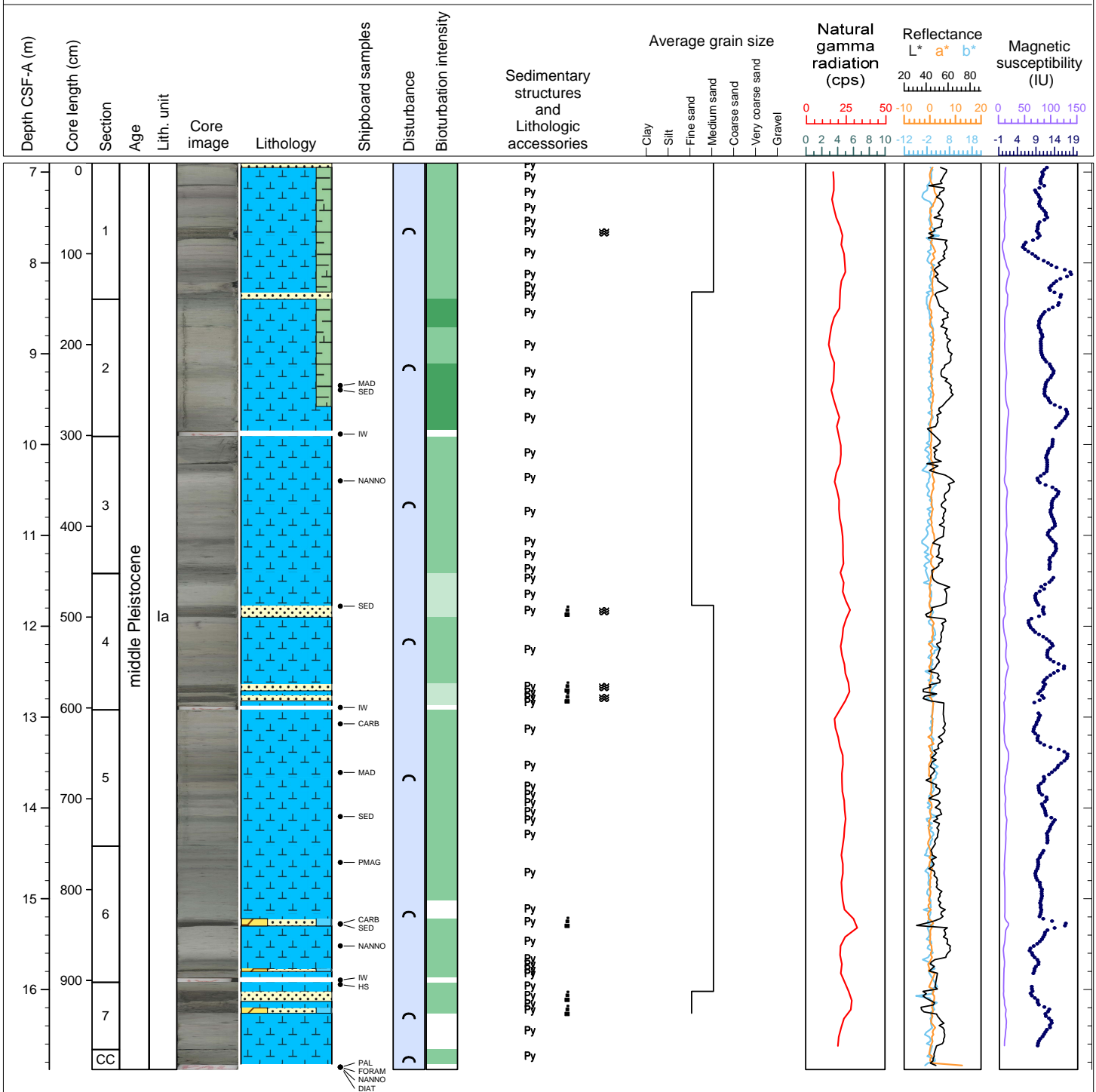
Hole 392-U1581A Core 1H, Interval 0.0-6.88 m (CSF-A)

Core U1581A-1H consists of greenish gray, light yellowish brown to light brown massive and mottled clayey nannofossil ooze with biosilica grading into dark olive green, medium laminated foraminiferal ooze, which is separated from dark greenish gray nannofossil ooze by an erosive contact at Section 3, 118 cm. Pyrite specks are present throughout the core. Bioturbation is low to moderate throughout. There is slight drilling disturbance in Section 3, 78-115 cm, where the layers are soupy.



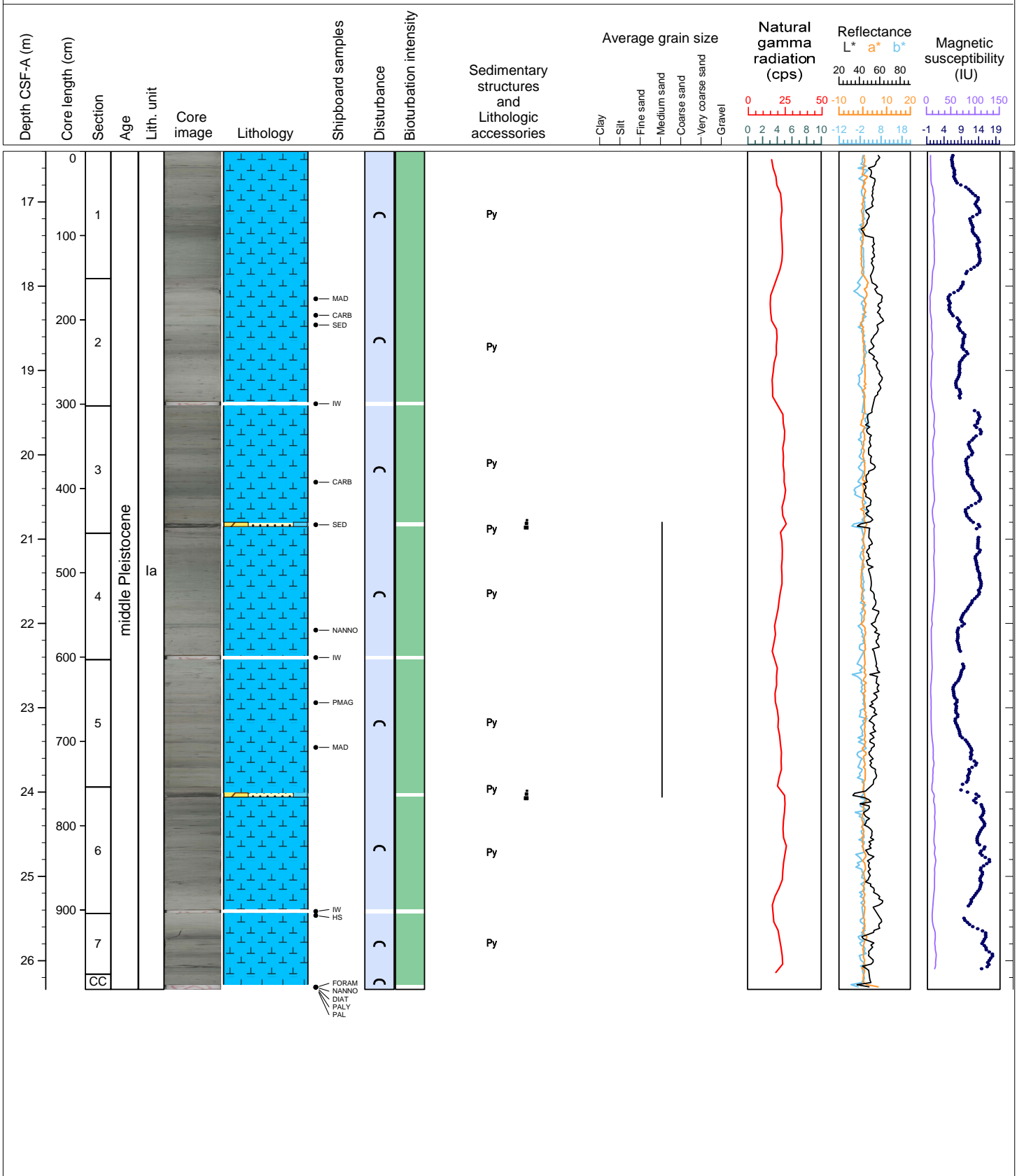
Hole 392-U1581A Core 2H, Interval 6.9-16.88 m (CSF-A)

Core U1581A-2H consists of massively bedded or mottled light greenish gray to light gray nannofossil ooze and olive green or greenish gray medium-to-fine, massive or laminated sand. The sand layers are normally graded sand, with bottom contacts that are erosive. The entire core shows low to moderate bioturbation; however, there is a highly bioturbated layer in Section 1, 106-117 cm. 0.5 cm-scale green bands occur in Section 4, at 77 cm and 78 cm, and in Section 6, at 20, 30, 39 cm. Gray bands of roughly 0.5 cm thickness occur in Section 4, at 53 and 54 cm, and in Section 6, at 25, 26, 127, and 140 cm. Pyrite specks are present throughout the core, and there is a mm-scale band of pyrite at Section 7, 2 cm. The entire core is slightly disturbed by drilling (upward bowing of the thinner layers or bands).



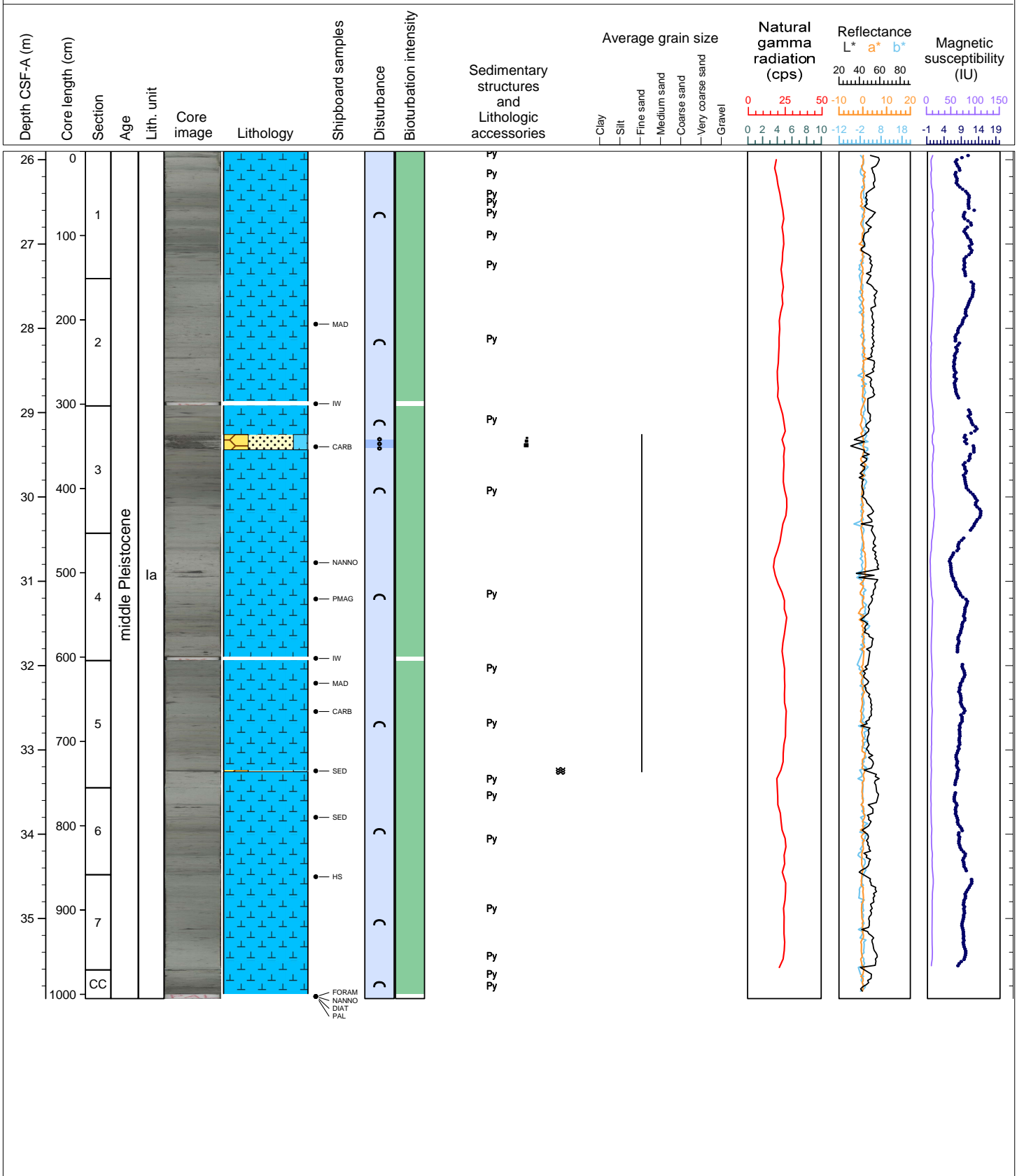
Hole 392-U1581A Core 3H, Interval 16.4-26.34 m (CSF-A)

Core U1581A-3H consists of massively bedded light greenish gray to light gray nanfossil ooze and two ~5 cm intervals of greenish black medium- to fine, normally graded sand in Sections 3 and 6. The nanfossil ooze also has slight color banding on decimeter scale between greenish gray and light greenish gray. The bases of the sand layers are sharp and possibly scoured. The entire core shows low to moderate bioturbation, pyrite specks are present throughout the core, and there is a narrow interval of more intense pyrite mottling at Section 7, 60.5-64 cm. The entire core is slightly bowed due to drilling.



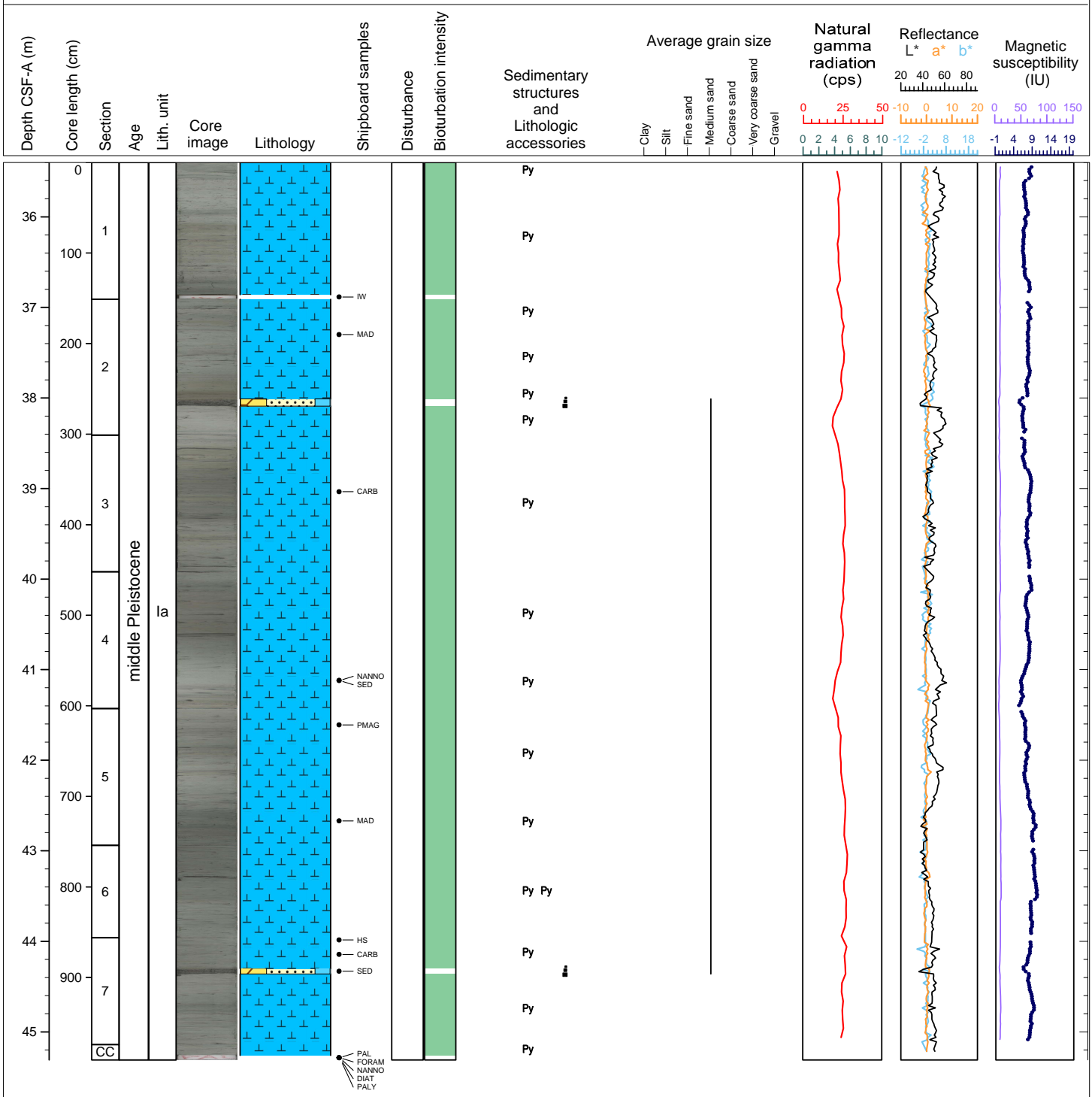
Hole 392-U1581A Core 4H, Interval 25.9-35.95 m (CSF-A)

Core U1581A-4H consists of massively bedded light greenish gray to light gray nannofossil ooze and two dark greenish gray fine-grained, laminated, normally graded thin sand beds in Sections 3 (34-52 cm), and 5 (130-132 cm). The nannofossil ooze also has slight decimeter-scale green, gray or reddish brown color banding in all sections. The bases of the sand layers are sharp and possibly erosive. The entire core shows low bioturbation. Pyrite specks are present throughout the core, and there are large patches of pyrite at Sections 6 (24 cm) and 7 (20-22 cm). Pyrite is possibly infilling large burrows in Section 1, 122-130 cm. The entire core is slightly up-arching due to drilling.



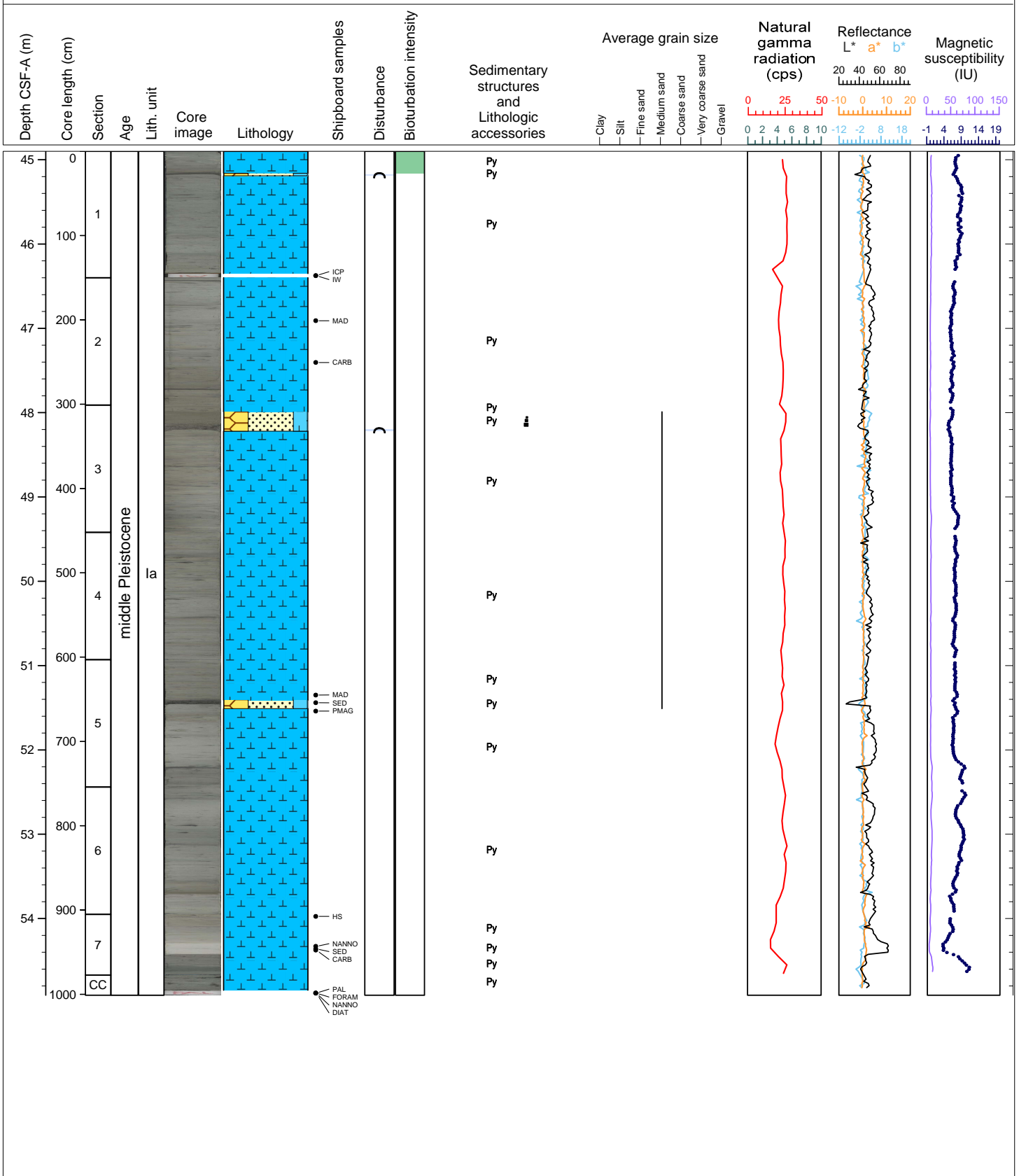
Hole 392-U1581A Core 5H, Interval 35.4-45.31 m (CSF-A)

Core U1581A-5H consists of massively bedded light greenish gray to light gray nannofossil ooze and two dark greenish gray medium-grained, laminated, normally graded sand beds in Section 2, 110-118 cm and Section 7, 34-40 cm. The nannofossil ooze also has slight decimeter-scale green, gray or reddish brown color banding in all sections. The bases of the sand layers are sharp and possibly erosive. The entire core shows low bioturbation. Pyrite specks are present throughout the core, and there is a prominent pyrite nodule at Section 6, 34 cm. The entire core is slightly up-arching due to drilling.



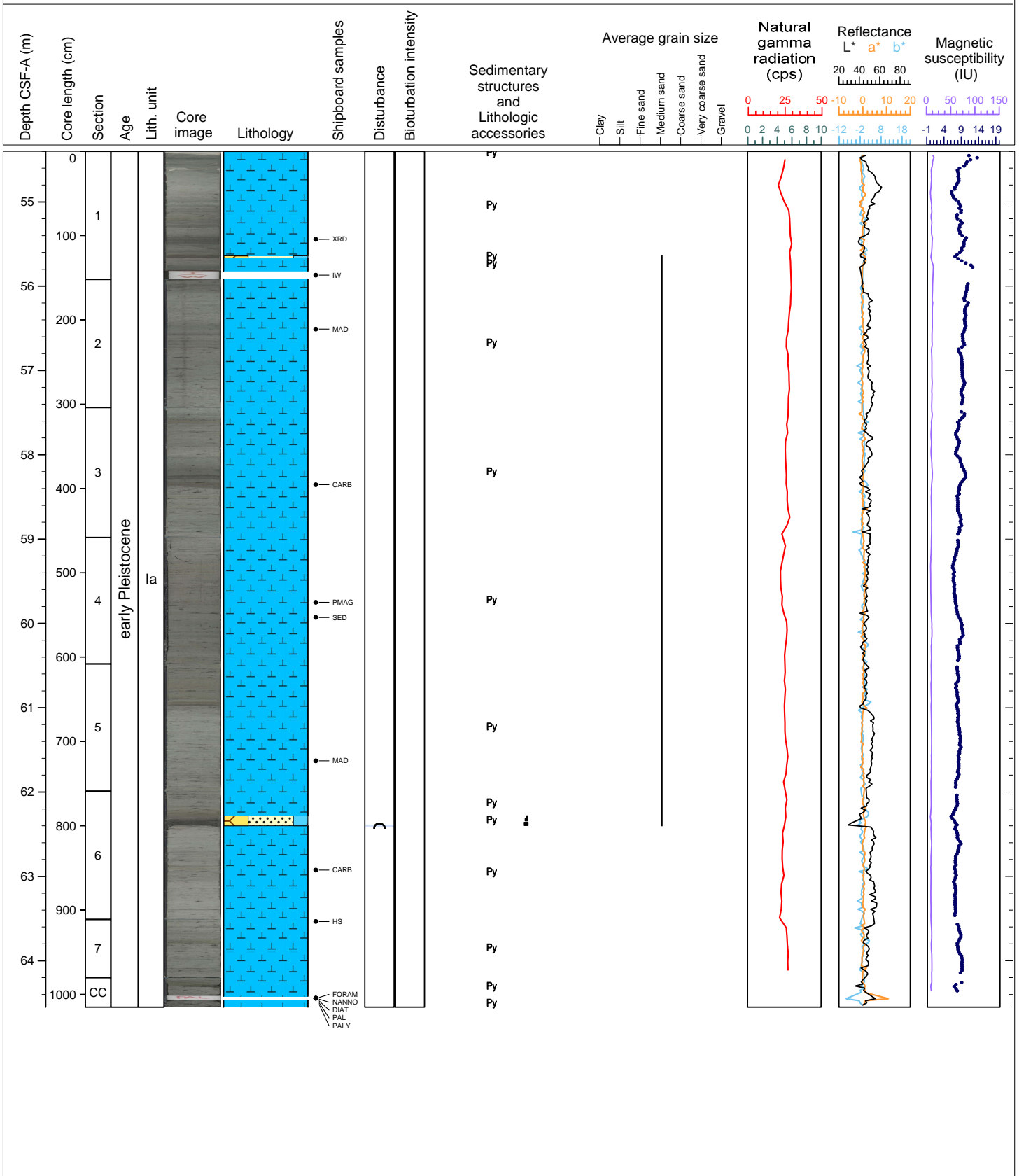
Hole 392-U1581A Core 6H, Interval 44.9-54.91 m (CSF-A)

Core U1581A-6H consists of mottled greenish gray nannofossil ooze with interbedded dark gray pyrite rich sand with nannofossil beds in Section 1, 26-29 cm, Section 3, 8-31 cm, and Section 5, 48-58 cm. The nannofossil ooze also has slight cm-scale green, gray or reddish brown color banding in all sections. In a thin interval in Section 7, 34.5-47 cm, the color changes to white. Abundant pyrite specks are present throughout the core. The core is slightly up-arched in Section 1, 26-29 cm, and Section 3, 29-31 cm.



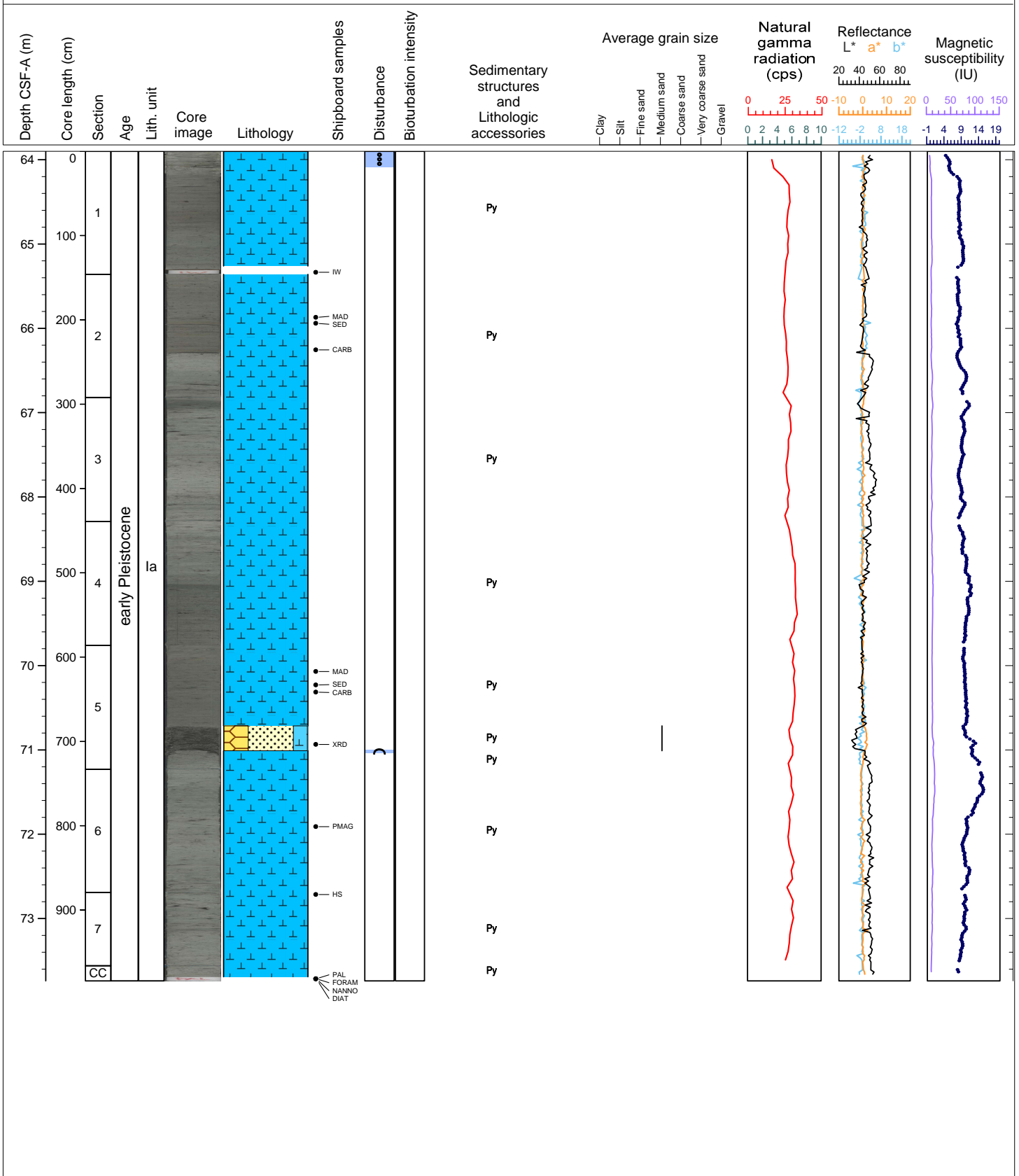
Hole 392-U1581A Core 7H, Interval 54.4-64.55 m (CSF-A)

Core U1581A-7H consists of mottled greenish gray nannofossil ooze. There is one dark gray pyrite rich sand with nannofossil beds in Section 6, 29-42 cm, that is normally graded. The core is only slightly disturbed by drilling (up-arching).



Hole 392-U1581A Core 8H, Interval 63.9-73.74 m (CSF-A)

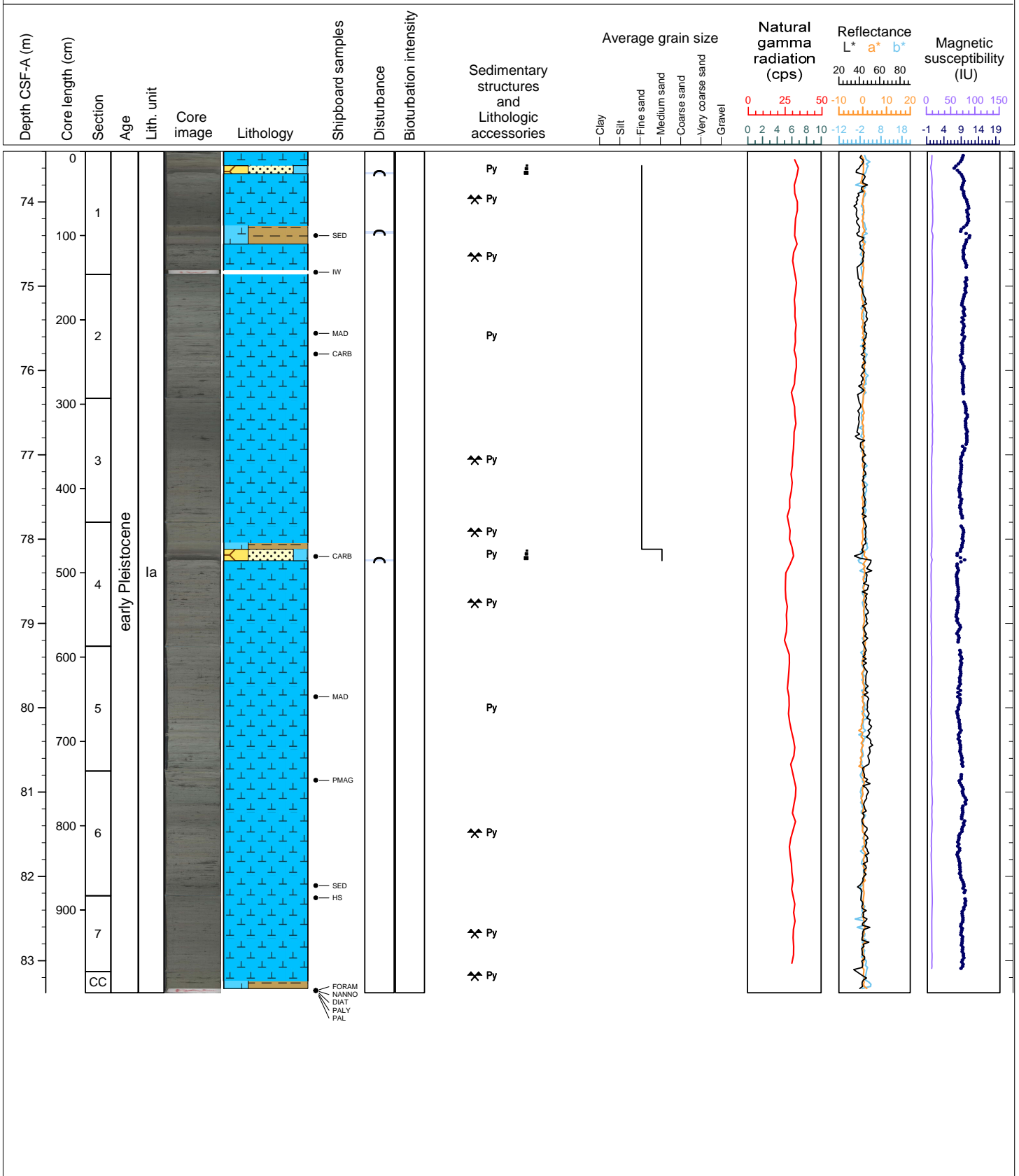
Core U1581A-8H consists of mottled greenish gray nannofossil ooze. There is one dark gray pyrite rich sand with a nannofossil layer in Section 5, 95.5-125 cm, that is massively bedded. Drilling disturbance ranges from absent to moderate (soupy, up-arching).





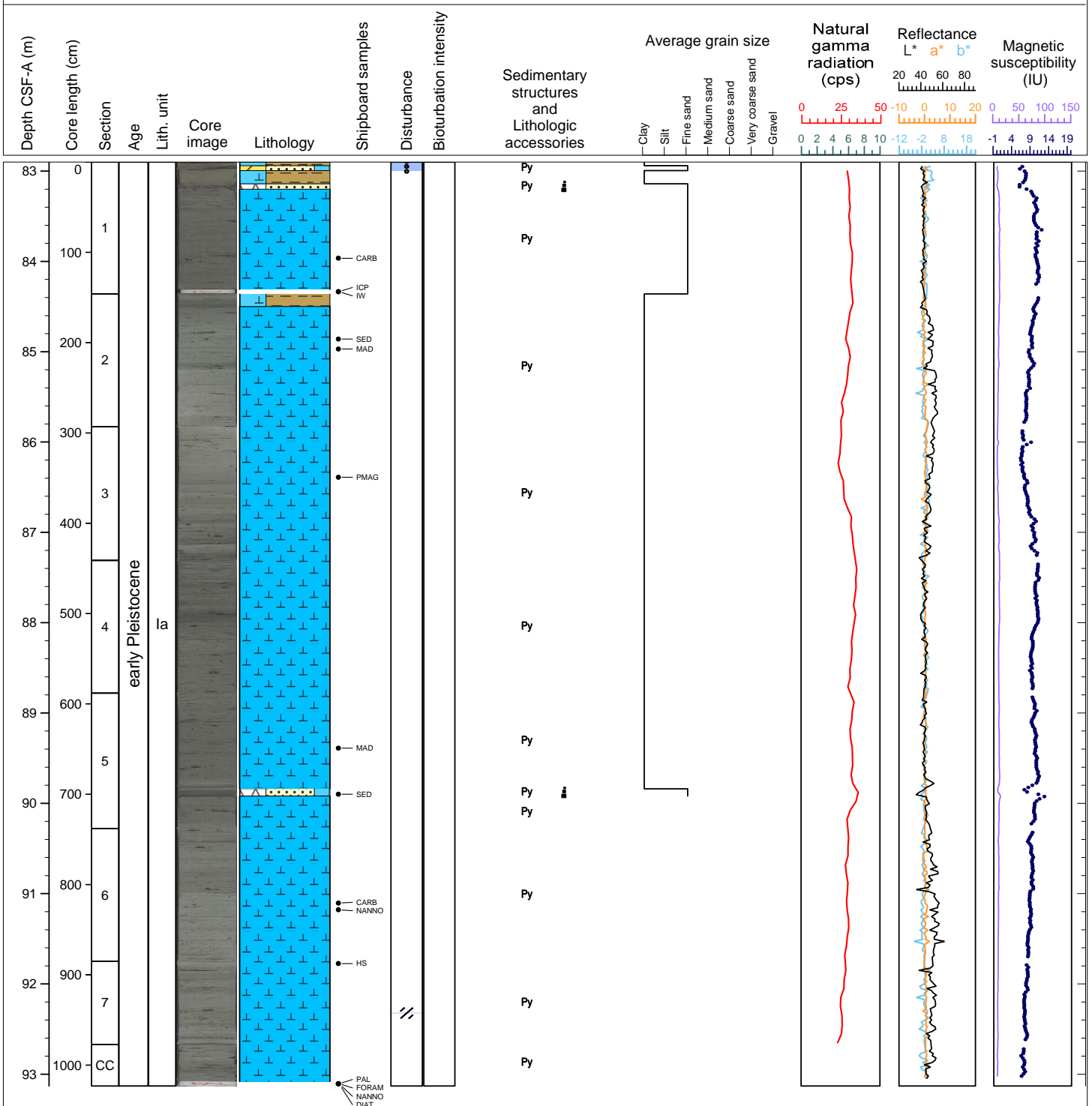
Hole 392-U1581A Core 9H, Interval 73.4-83.38 m (CSF-A)

Core U1581A-9H consists of mottled greenish gray nannofossil ooze. There are two intervening layers of normally graded, fine to medium, dark gray pyrite rich sand with nannofossils in Section 1, 17-26.5 cm, and Section 4, 32-45.5 cm. Thin intervals of greenish gray nannofossil rich clay with massive bedding occur in Section 1, 88-110 cm, Section 4, 24-32 cm, and the Core Catcher, 11-25 cm. The core is only slightly disturbed by drilling (up-arching).



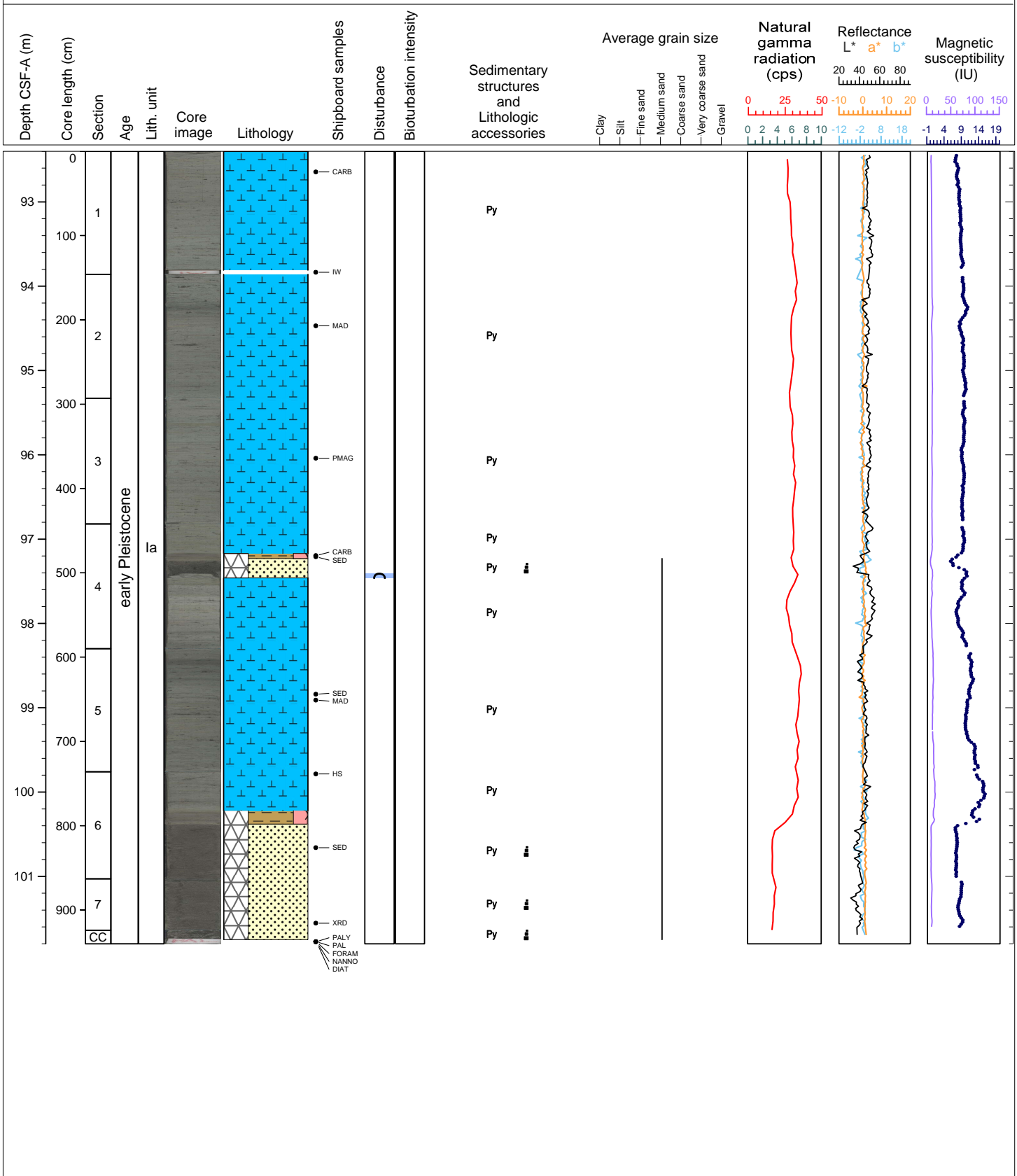
Hole 392-U1581A Core 10H, Interval 82.9-93.13 m (CSF-A)

Core U1581A-10H consists of mottled greenish gray nannofossil ooze. There are interbedded layers of dark gray sand in Section 1, 4-9.5 cm and 24-30 cm, and Section 5, 106-114 cm and greenish gray nannofossil rich clay in Section 1, 0-4 cm and 9.5-24 cm, and Section 2, 0-14 cm. Sand beds are massively bedded and normally grading. The core is slightly to moderately disturbed by drilling (soupy and fractured).



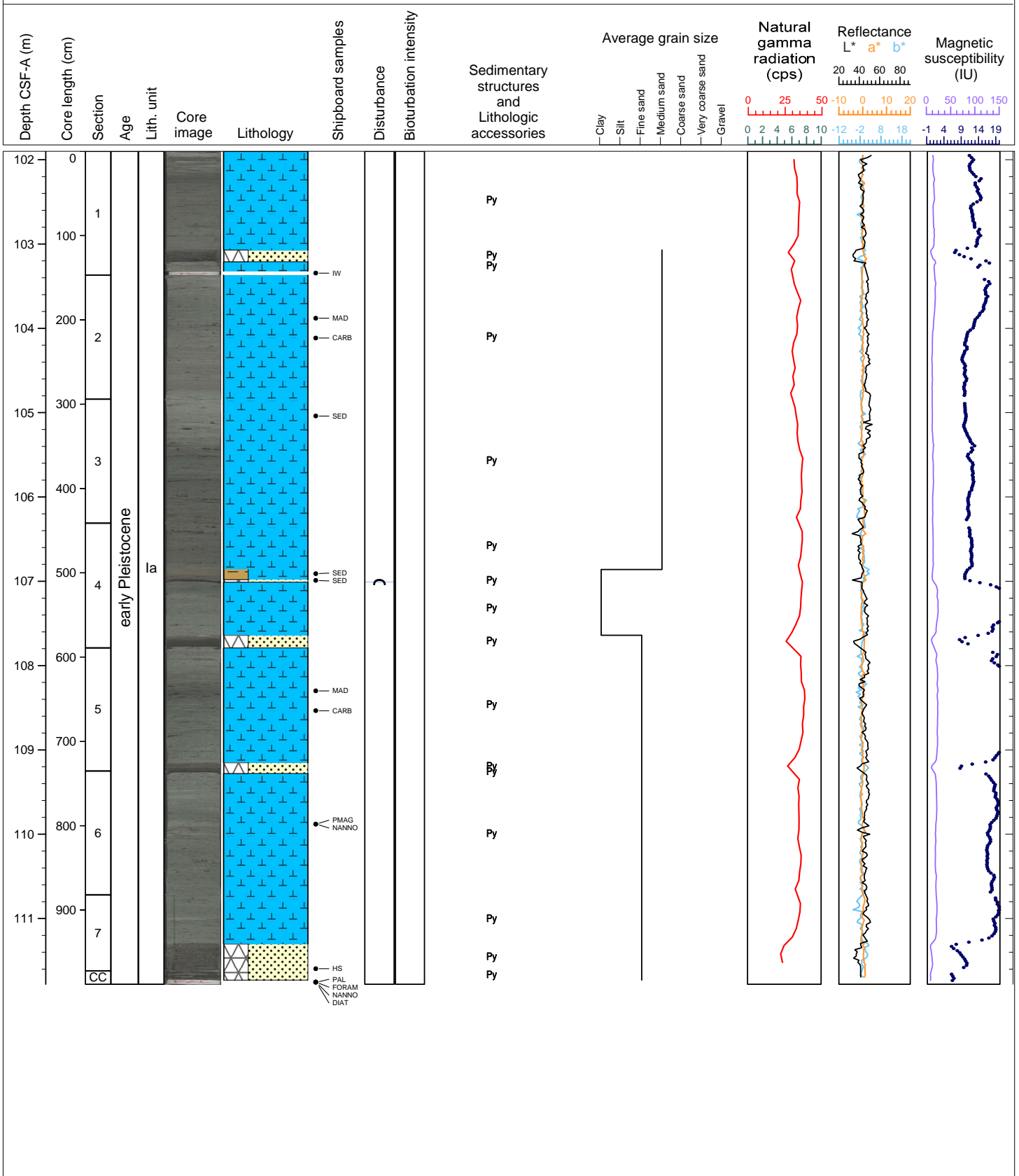
Hole 392-U1581A Core 11H, Interval 92.4-101.8 m (CSF-A)

Core U1581A-11H consists of mottled greenish gray nannofossil ooze, with an increase of sand from Section 6, 62 cm, to the base of the core. In the mottled greenish gray nannofossil ooze, the mottles are made up of dark gray pyrite rich sand. There is one interval of massive nannofossil-rich clay in Section 4, 35-41 cm. Sand beds are massively bedded.



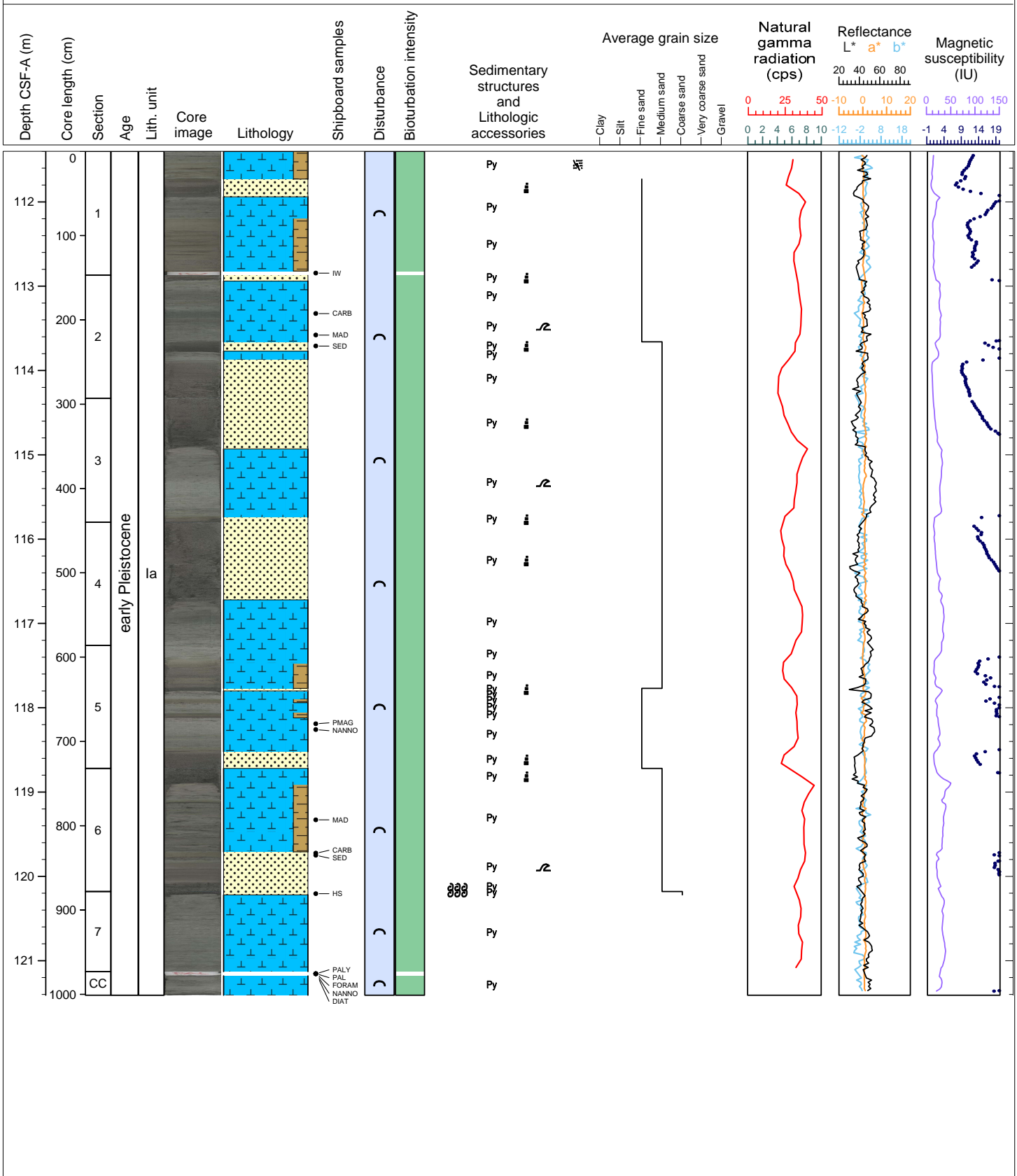
Hole 392-U1581A Core 12H, Interval 101.9-111.78 m (CSF-A)

Core U1581A-12H consists of mottled greenish gray nannofossil ooze. 10-50 cm-thick massive sand layers appear repeatedly in Section 1, 117-131 cm, Section 4, 133-148 cm, from Section 5, 136 cm to Section 6, 3 cm, and from Section 7, 58 cm, to the base of the Core Catcher. One narrow interval of clayey nannofossil ooze appears in Section 4, 55-67 cm, above a 2 cm-thick black sand with pyrite. The core is only slightly disturbed by drilling (up-arching).



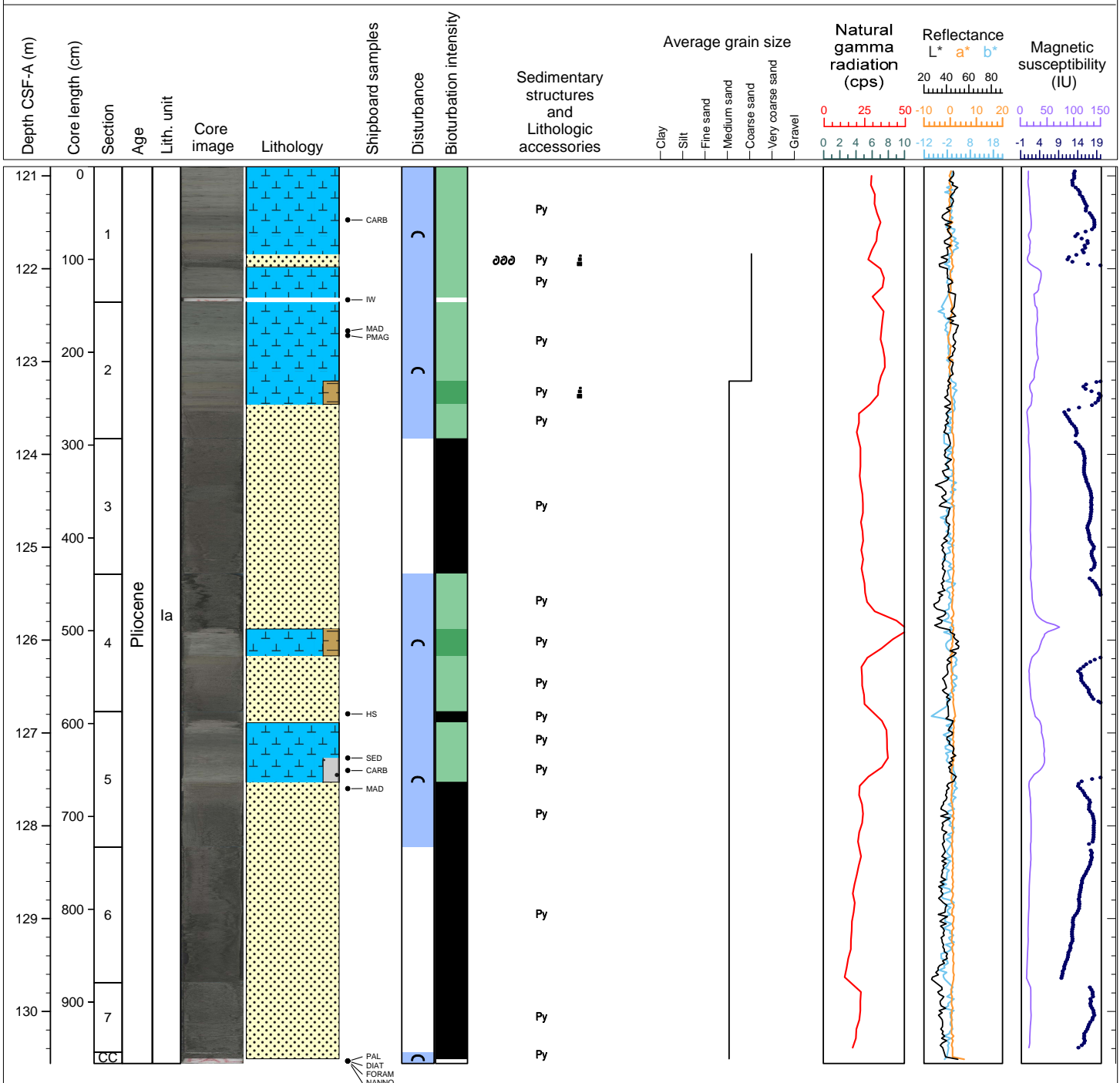
Hole 392-U1581A Core 13H, Interval 111.4-121.41 m (CSF-A)

Core U1581A-13H consists of dark greenish gray medium-to-fine, massive, normally graded sand and greenish gray nannofossil ooze and olive green nannofossil ooze with clay. The nannofossil ooze is slightly bioturbated and contains pyrite specks throughout. Soft sediment deformation features such as water-escape structures occur in Section 1, 6-30 cm, and load casts in Section 2, 79-80 cm, and some mottling is observed in Section 6, 134 cm. Sandy layers consist of unlithified siliciclastic material, containing quartz, lithic fragments, and shell fragments. Shell fragments are prominent in Section 6, 136-146 cm, and in a layer of coarse sand is present in Section 7, 0-4 cm. The sand layers occur in beds ranging from a few to 10s of cm in thickness, and are mostly normally graded. Coarse beds sometimes feature a sharp, scoured or erosive base; however, bed contacts are sometimes slightly up-arching, especially at the sand-nannofossil ooze contacts.



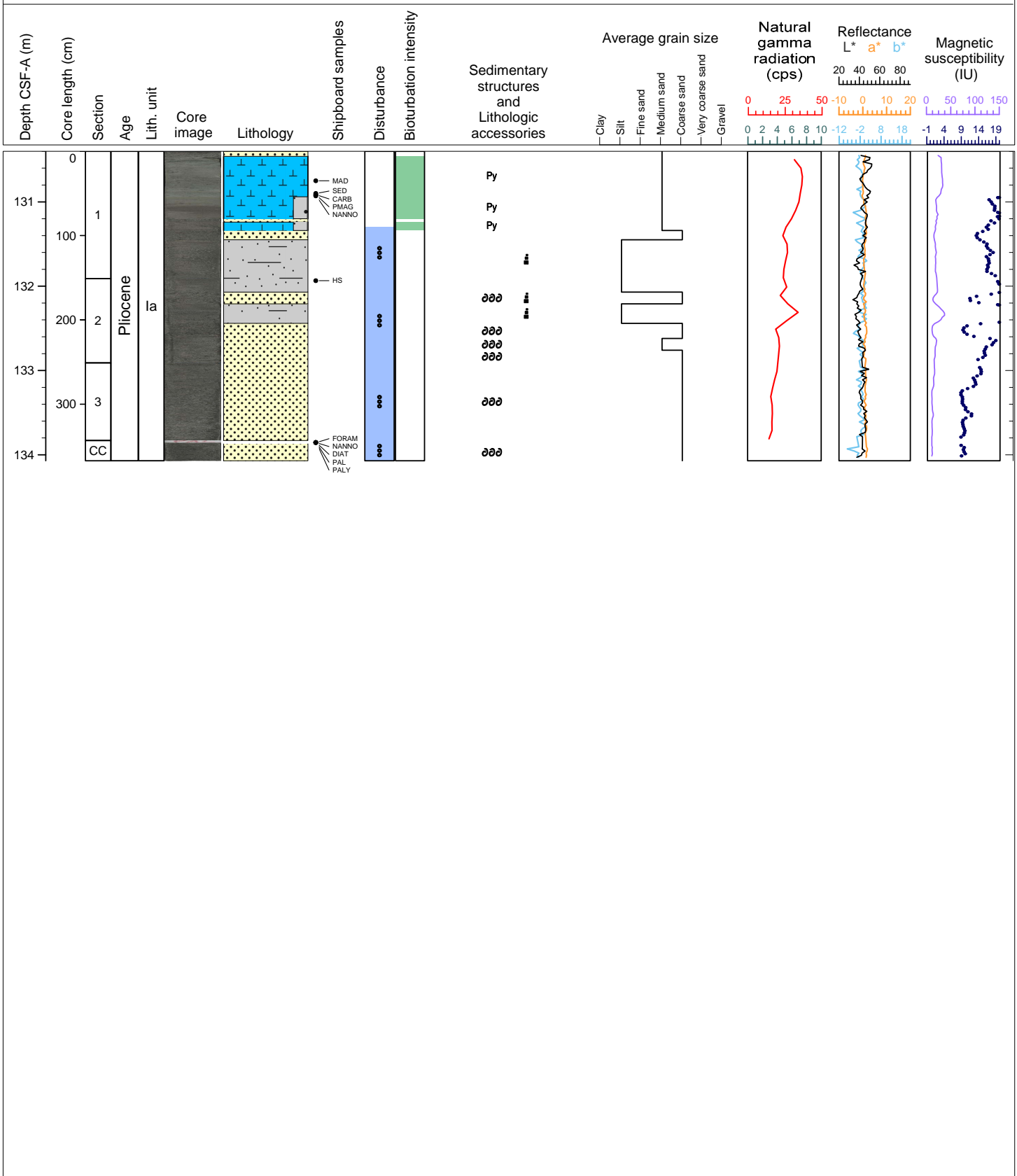
Hole 392-U1581A Core 14H, Interval 120.9-130.56 m (CSF-A)

Core U1581A-14H consists of dark greenish gray medium-to-fine, massive, normally graded sand and greenish gray nannofossil ooze and nannofossil ooze with clay. The nannofossil ooze is sparsely bioturbated and contains pyrite specks. The only bioturbated layers in the core consist of nannofossil ooze with clay and occur in Section 2, 85-110 cm, and Section 4, 59-88 cm. The rest of the core is unlithified siliciclastic material, containing quartz, lithic fragments, and shell fragments. Shell fragments are prominent in Section 1, 94-108 cm. The sand layers occur in beds ranging from cm- to m-scale, and are sometimes normally graded. Coarse beds sometimes feature a sharp base, but bed contacts are difficult to evaluate because they are bowed upwards, especially at the sand-nannofossil ooze contacts.



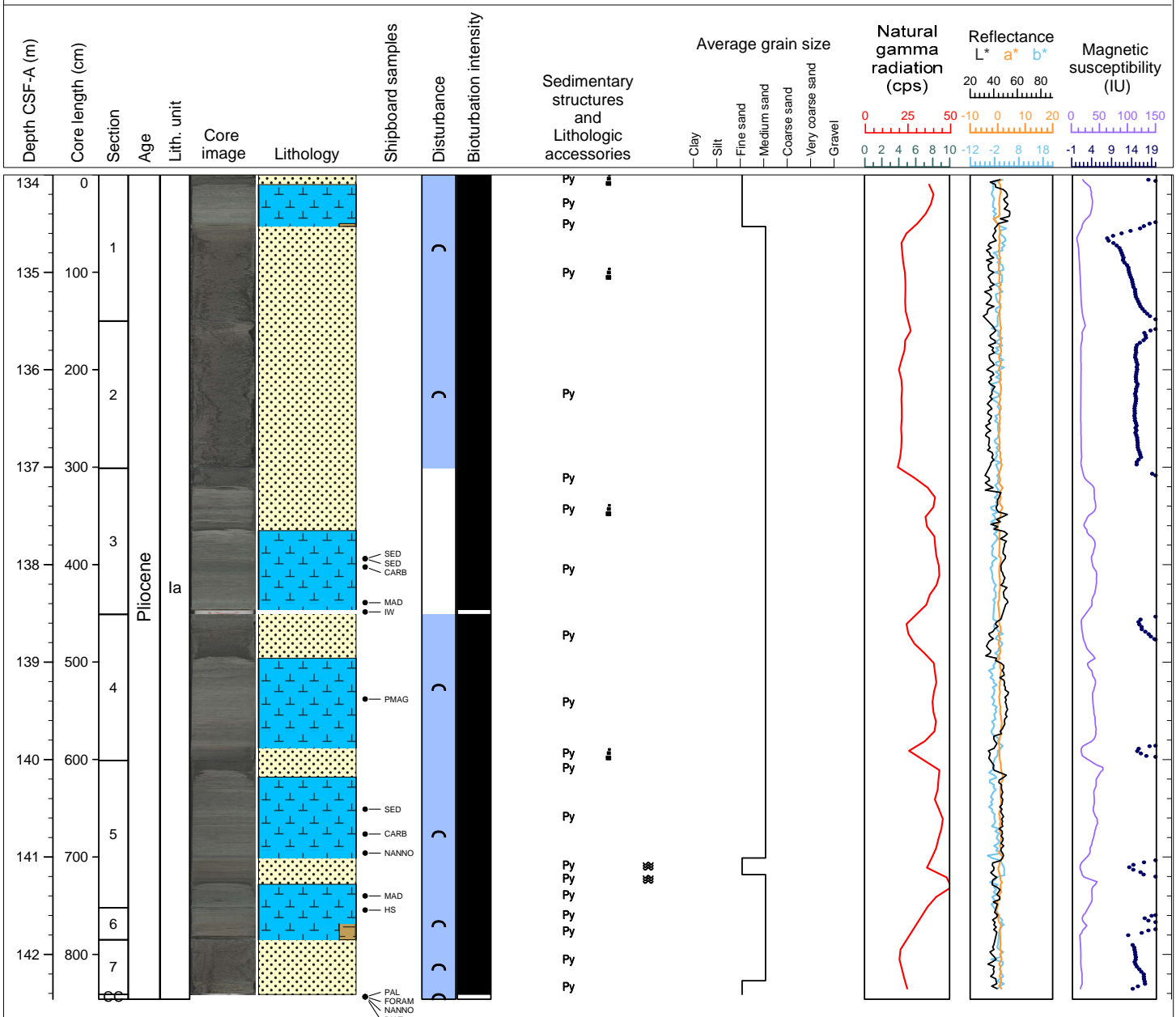
Hole 392-U1581A Core 15H, Interval 130.4-134.07 m (CSF-A)

Core U1581A-15H consists of greenish gray sand, silt, and nannofossil ooze with silt. The nannofossil ooze occurs only within Section 1, 8-80 cm, is sparsely bioturbated, and contains pyrite specks. The rest of the core is unlithified siliciclastic material, containing quartz, lithic fragments, and shell fragments. These siliciclastic sediments occur in sorted (coarse sand to silt) beds ranging from cm- to m-scale, and are sometimes normally graded. Coarse beds sometimes feature a sharp base, but bed contacts are difficult to evaluate because of the soupy disturbance of the sediment.



Hole 392-U1581A Core 16H, Interval 134.0-142.46 m (CSF-A)

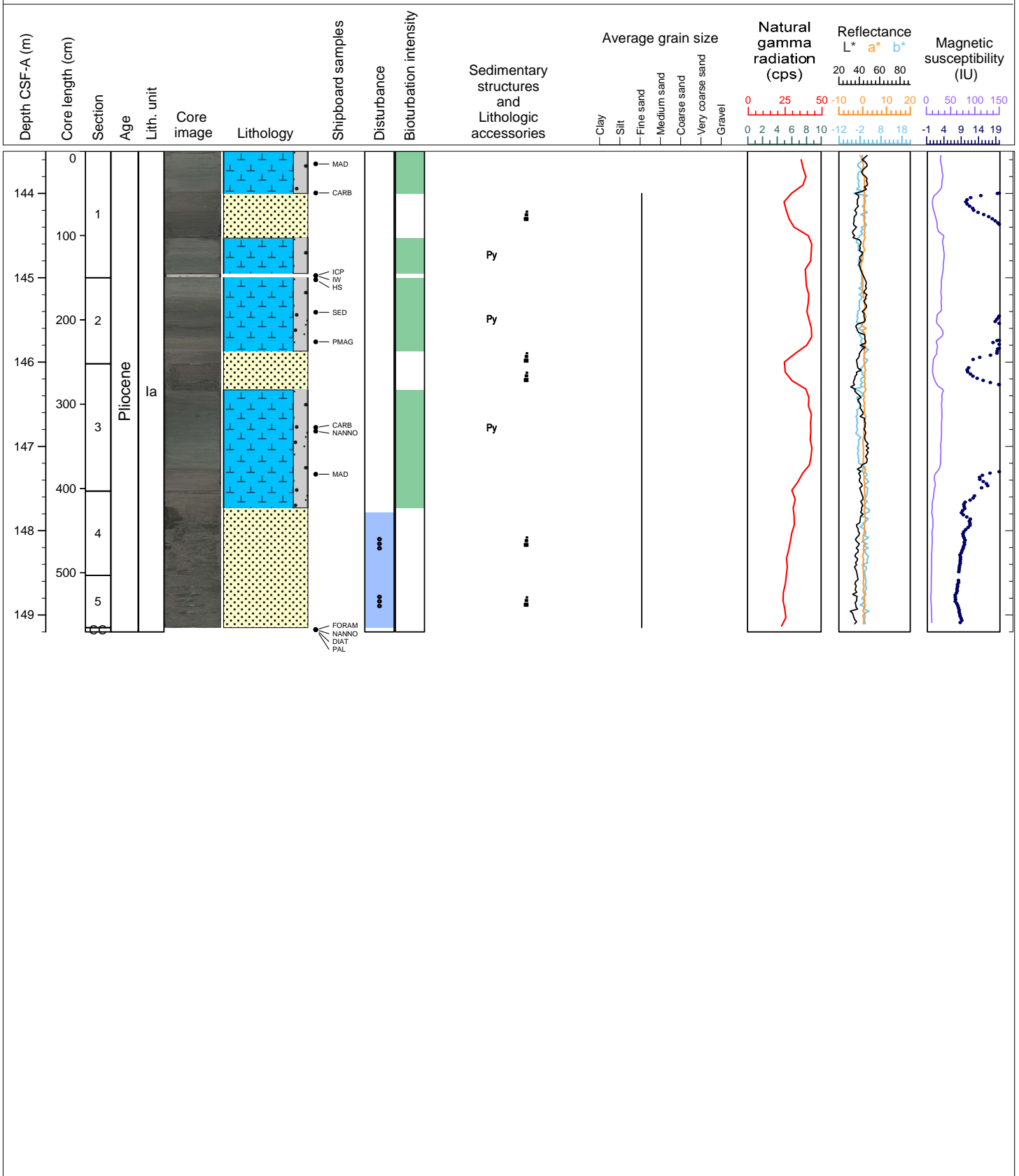
Core U1581A-16H consists of dark greenish gray medium-to-fine, massive, normally graded sand and greenish gray nanfossil ooze and nanfossil ooze with silt and clay. The nanfossil ooze is sparsely bioturbated and contains pyrite specks and a wavy bed of lighter colored silty nanfossil ooze at Section 3, 83 cm and 93 cm. The core also contains lighter colored bands at Section 5, 57, 63, 68 and 73 cm. These siliciclastic sediments are well sorted, occur in beds ranging in thickness from cm- to m- scale, and are sometimes normally graded or interbedded with thin laminae of silt. No bioturbation was observed in these layers. Coarse beds sometimes feature a sharp base, but bed contacts are difficult to evaluate because they are bowed upwards, especially at the sand-nanfossil ooze contacts.





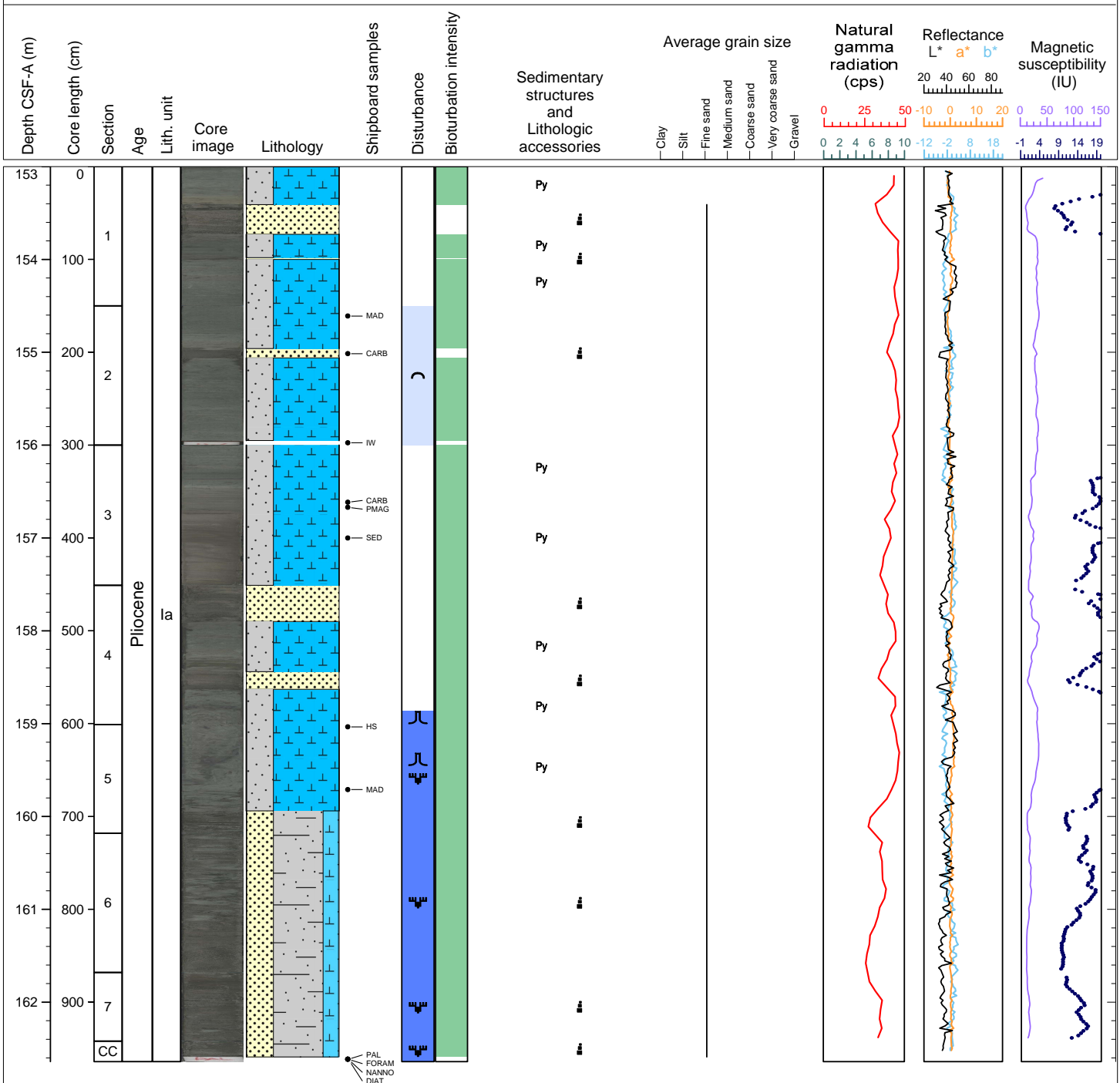
Hole 392-U1581A Core 17H, Interval 143.5-149.2 m (CSF-A)

Core U1581A-17H consists of alternating greenish gray sand, silt, and nannofossil ooze with silt. The nannofossil ooze occurs in Sections 1, 2, and 3, is sparsely bioturbated, and contains pyrite specks. The sand and silt layers are unconsolidated and contain quartz and lithic fragments. These silt and sand layers occur in decimeter-scale sorted (medium sand to silt) beds with typically sharp bases, and are sometimes normally graded. Sections 4 and 5 have soupy disturbance.



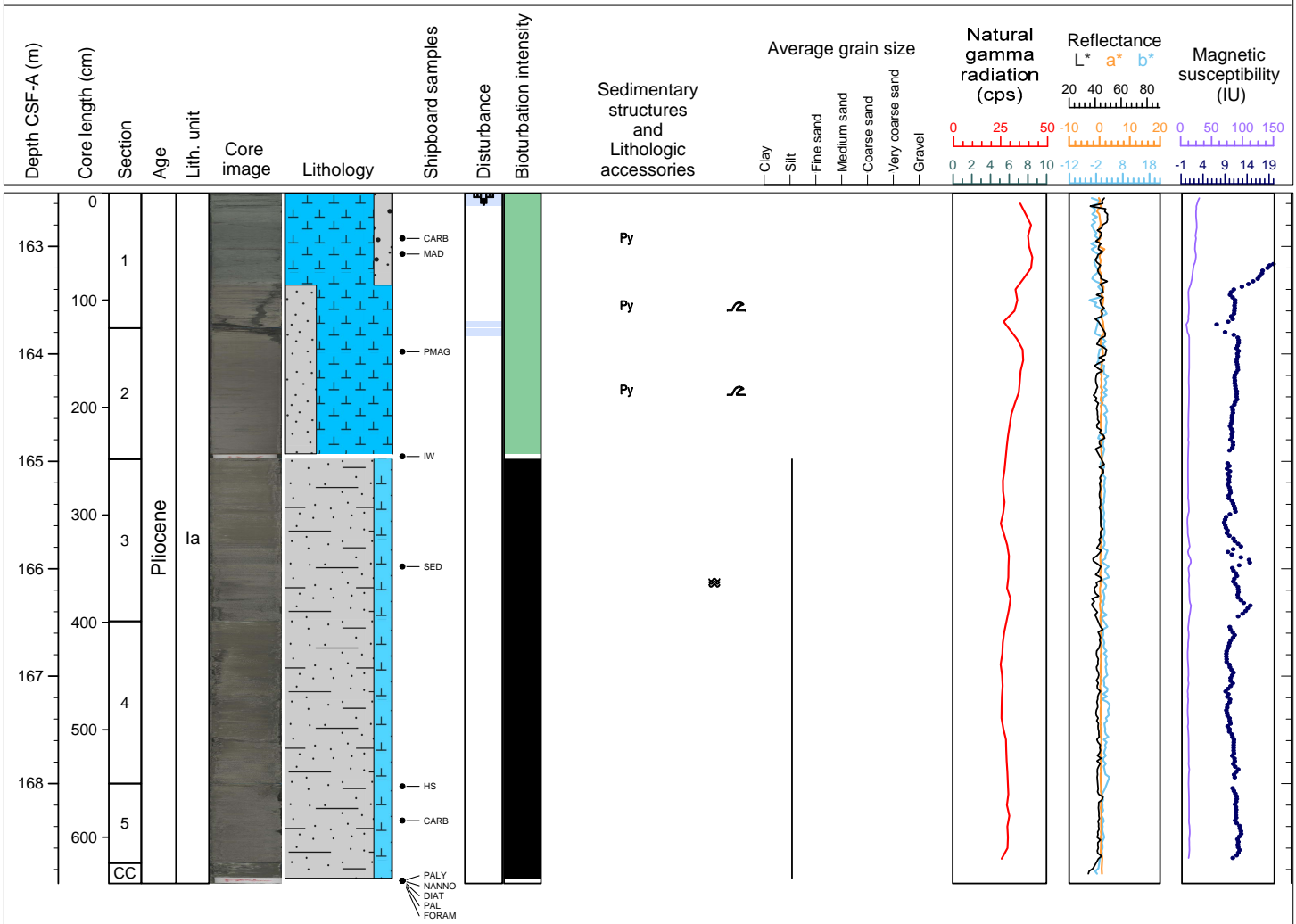
Hole 392-U1581A Core 18H, Interval 153.0-162.64 m (CSF-A)

Core U1581A-18H consists of alternating greenish gray nannofossil ooze with silt, and fine sand intervals. The nannofossil ooze is more abundant throughout, is sparsely bioturbated, and contains pyrite specks. The sand and silt layers are un lithified and contain quartz and lithic fragments. These siliclastic sediments occur in cm-scale sorted (medium sand to silt) beds with typically sharp bases, and are sometimes normally graded. Section 5 shows severe flow-in disturbance, and the rest of the core (Sections 6, 7, CC) is an unconsolidated mousse-like mixture of nannofossil ooze with silt and sand.



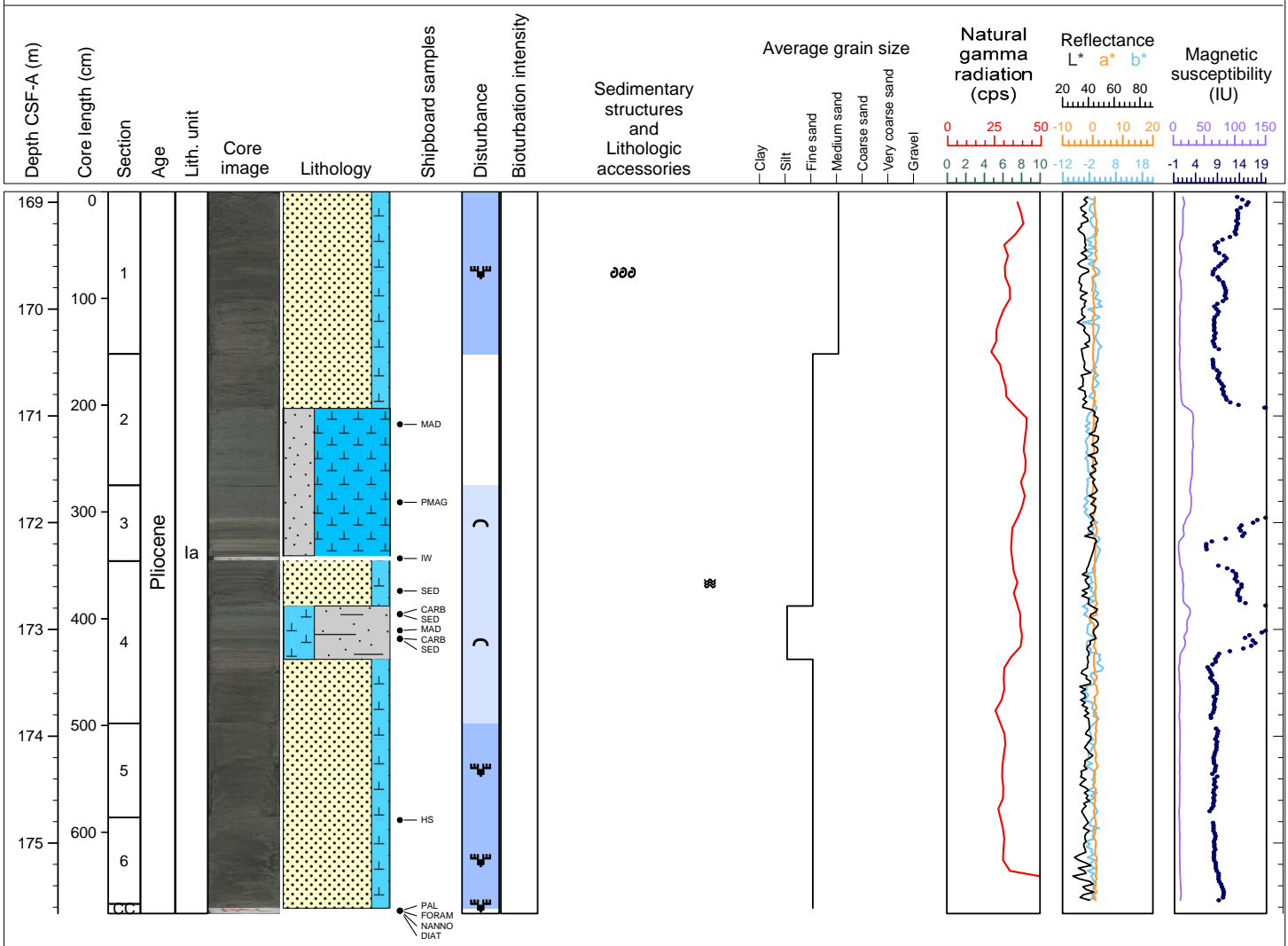
Hole 392-U1581A Core 19H, Interval 162.5-168.93 m (CSF-A)

Core U1581A-19H consists of greenish gray nannofossil ooze with silt, silty nannofossil ooze and silt with nannofossils. The nannofossil ooze with silt occurs only in Section 1, 0-86 cm, and grades into silty nannofossil ooze which continues to the bottom of Section 2, 117 cm. The remaining sections of the core are composed of unlithified silt with nannofossils. Sections 1 and 2 are sparsely bioturbated and contain pyrite specks. The core shows no evidence of bioturbation and is mostly undisturbed by drilling, except for some mousse-like disturbance in Section 1 and voids in Sections 1 and 2. The ooze in Section 1, 90-124 cm, and Section 2, 0-12 cm, is cross cut by a feature that is 0.5 cm wide, inclined, darker and coarser grained than the surrounding sediment. This is possibly a clastic dike or a feature of drilling disturbance.



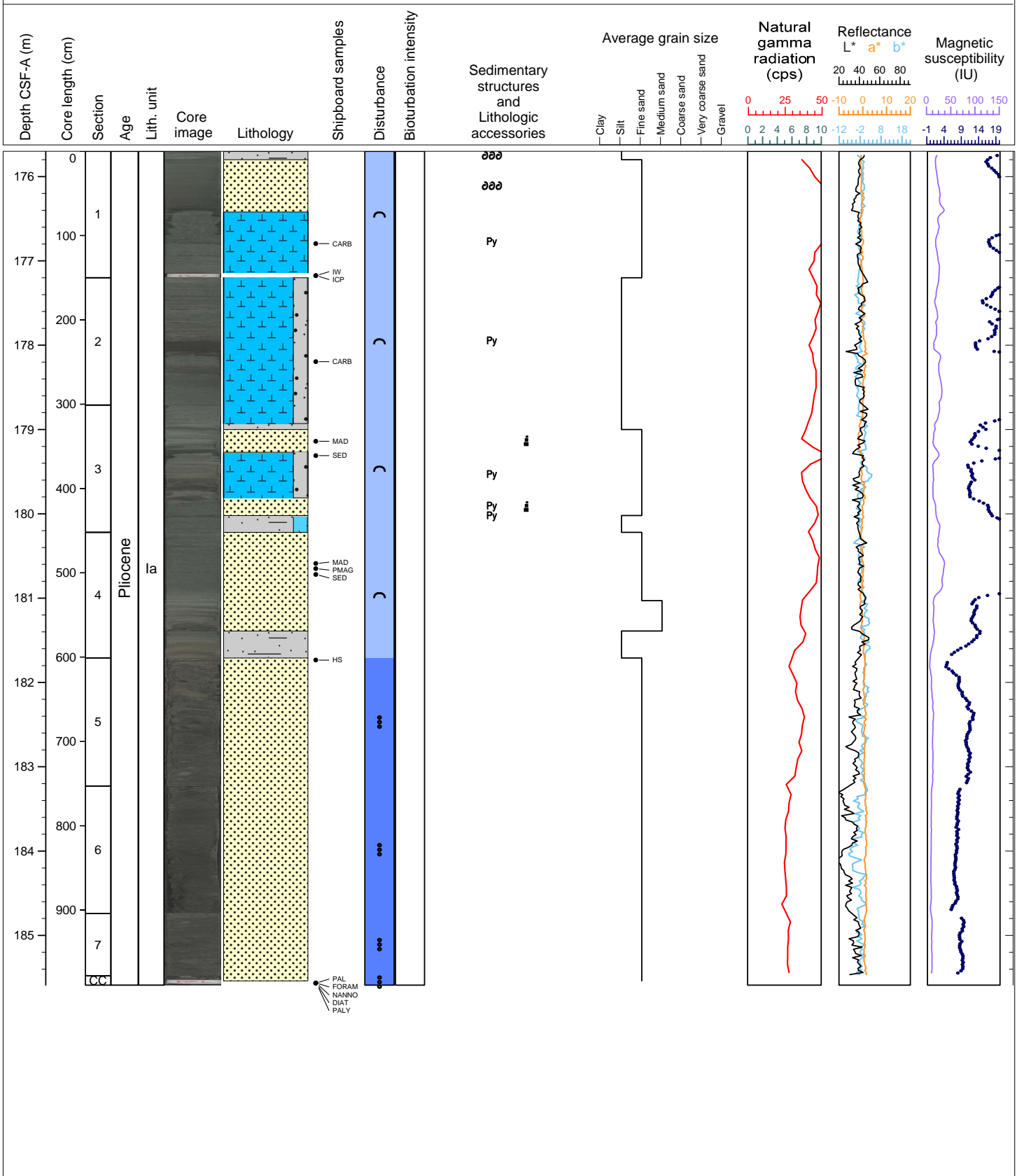
Hole 392-U1581A Core 20H, Interval 168.9-175.66 m (CSF-A)

Core U1581A-20H consists of dark greenish gray sand and greenish gray silt with nannofossils. The sand intervals occur in m-scale beds separated by decimeter to m-scale intervals of silt. The upper half of Section 1 contains rare shell fragments. The sand of Sections 1, 5, and 6 contain mousse-like drilling disturbance.



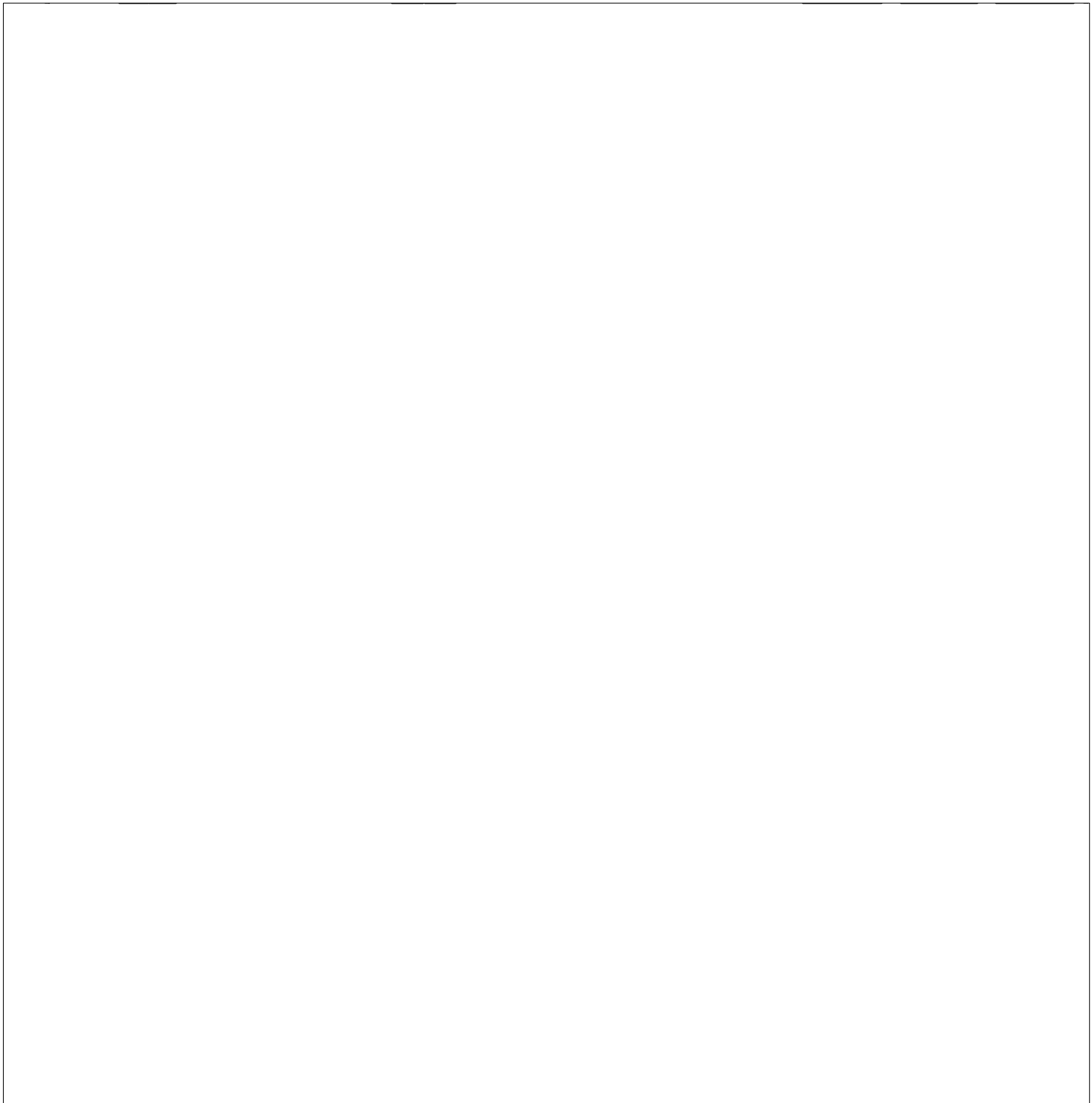
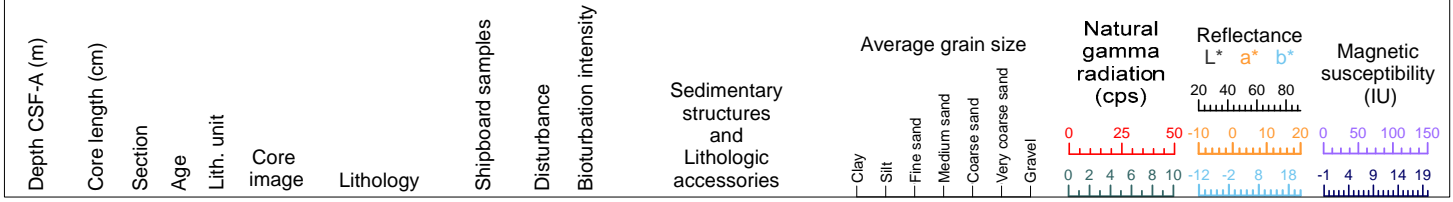
Hole 392-U1581A Core 21H, Interval 175.7-185.59 m (CSF-A)

Core U1581A-21H consists of dark greenish gray sand and greenish gray silt with nannofossils. The sand intervals occur in m-scale beds separated by dm- to m-scale intervals of silt. The upper half of Section 1 contains rare shell fragments. Drilling disturbance ranged from moderately bowed to severely soupy.



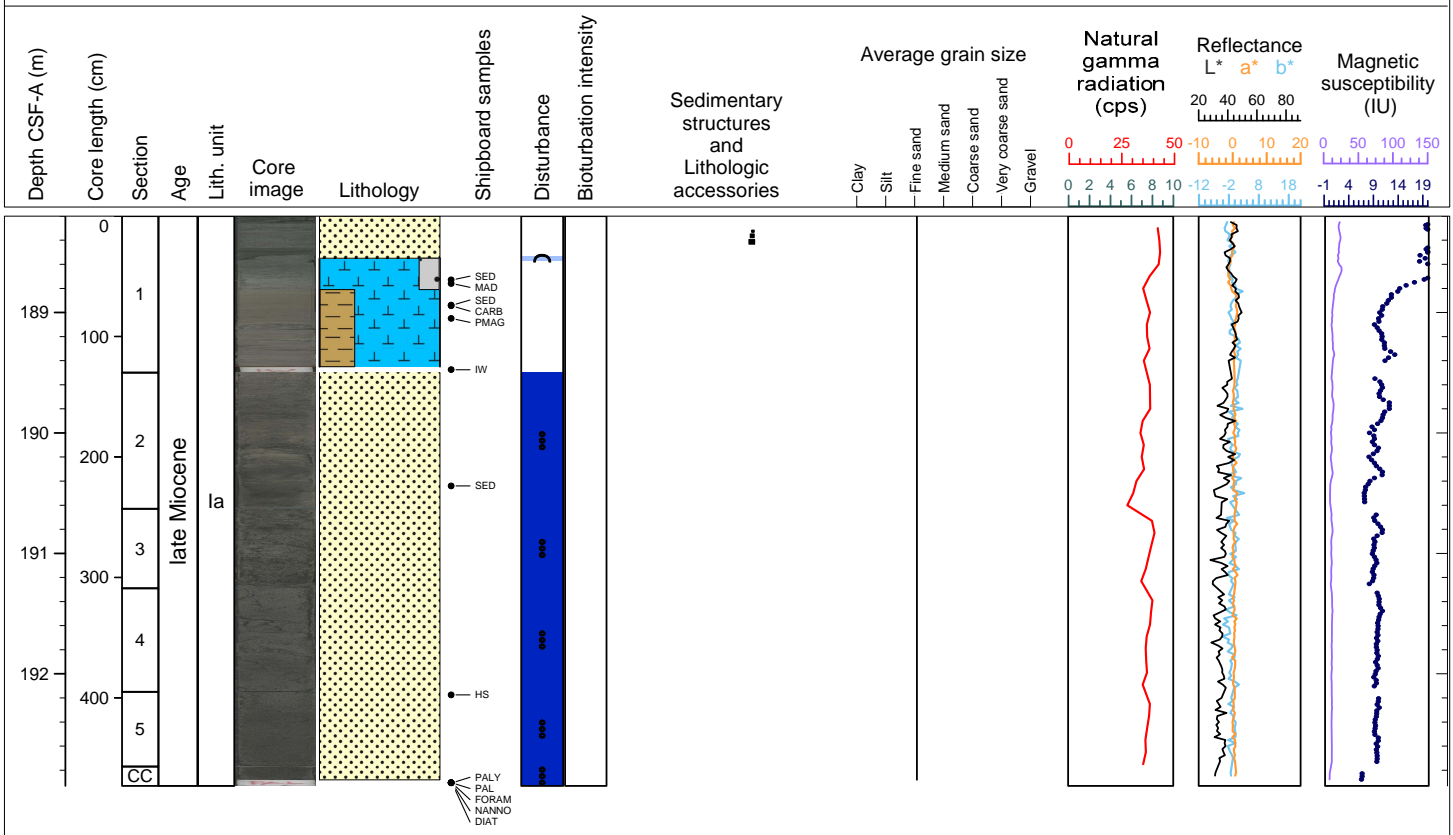
Hole 392-U1581A Core 22H, Interval 185.2-185.2 m (CSF-A)

NO RECOVERY 185.2-188.2 m



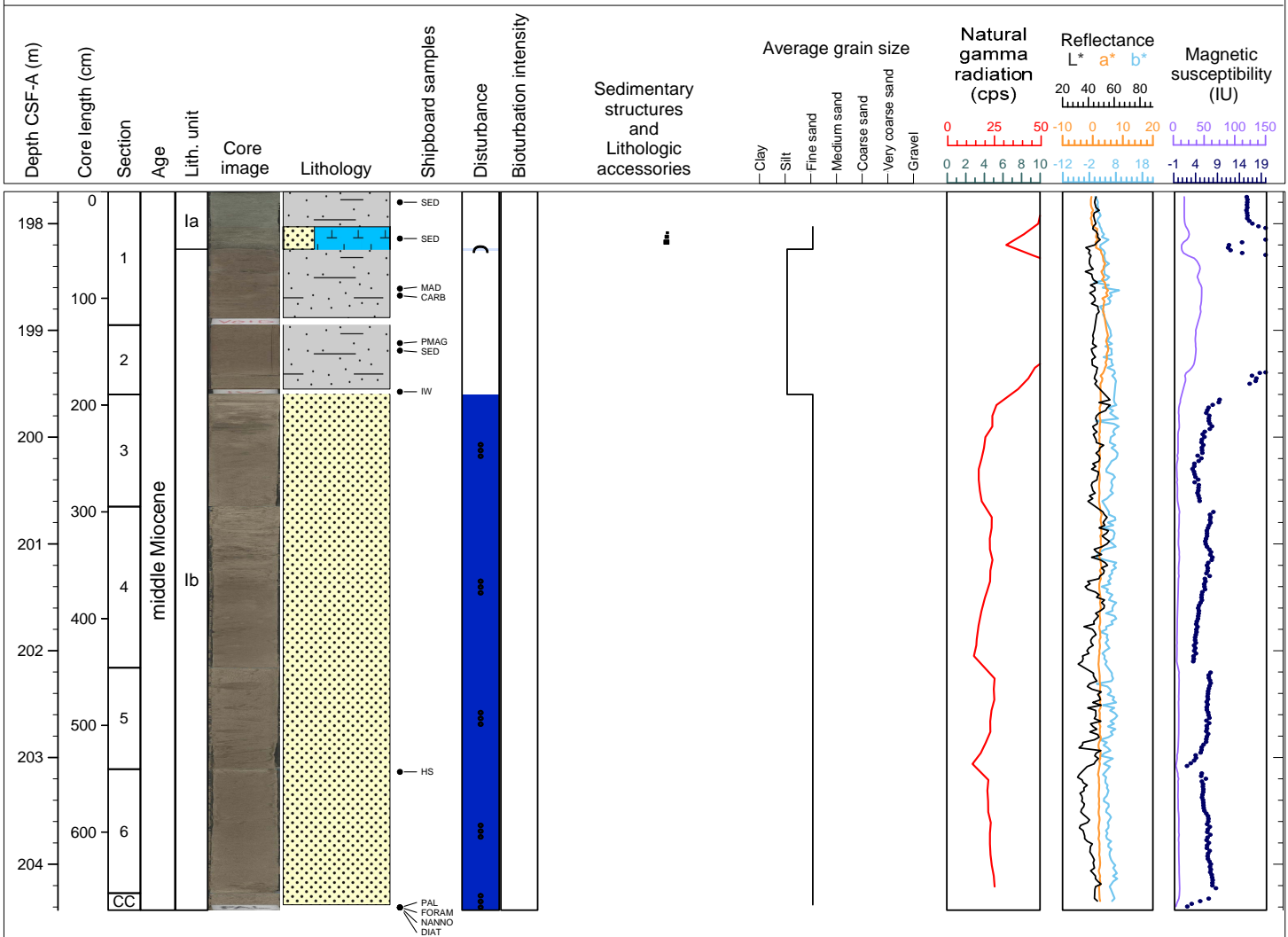
Hole 392-U1581A Core 23H, Interval 188.2-192.93 m (CSF-A)

Core U1581A-23H consists of greenish gray fine sand and greenish gray silty claystone. Greenish gray fine sand is present in Section 1, 0-35 cm, and has normal grading, overlying greenish gray nannofossil ooze in Section 1, 35-125 cm. Section 1 has up-arching drilling disturbance from 33-37 cm. From Section 2 to the base of the core, dark greenish gray fine sand is the only lithology, but this is highly disturbed by drilling and soupy throughout.



Hole 392-U1581A Core 24H, Interval 197.7-204.43 m (CSF-A)

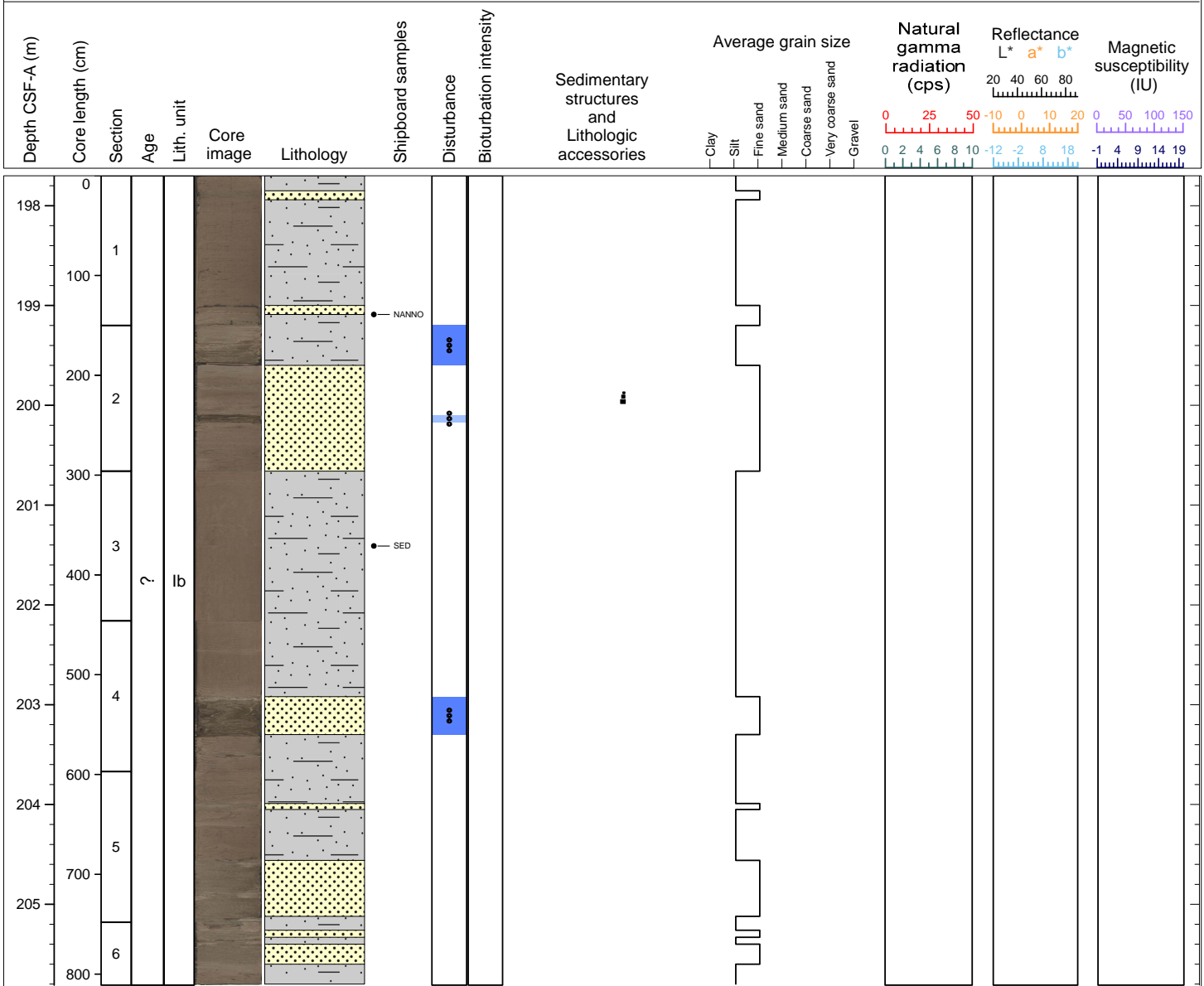
Core U1581A-24H consists of massive, light brownish gray fine sand, massive greenish gray and reddish gray silt, and light olive gray sandy nannofossil ooze. The sandy nannofossil ooze consists of fine-grained sand and is massive and normally graded. Sections 1 and 2 are undisturbed, but Sections 3 to CC are highly disturbed by drilling and have a soupy texture.





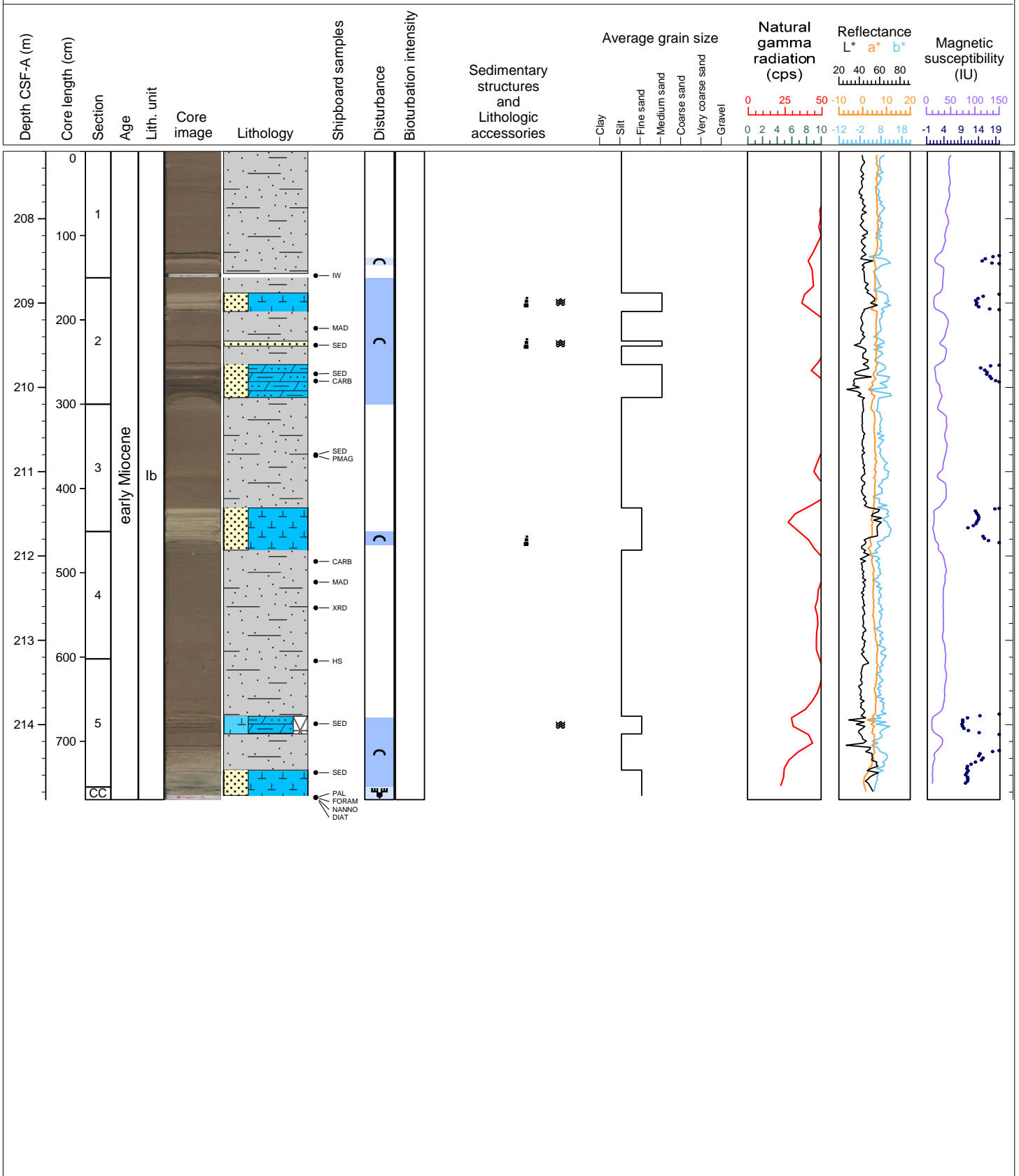
Hole 392-U1581A Core 25G, Interval 197.7-205.81 m (CSF-A)

Core U1581A-25G consists of brown silt, with dm-scale brown sand beds in Sections 2 and 4. There is moderate soupy and flow-in drilling disturbance, but some original layering is preserved. The core was recovered without advancing, and is roughly equivalent in depth (CSF-A) to Core U1581A-24H.



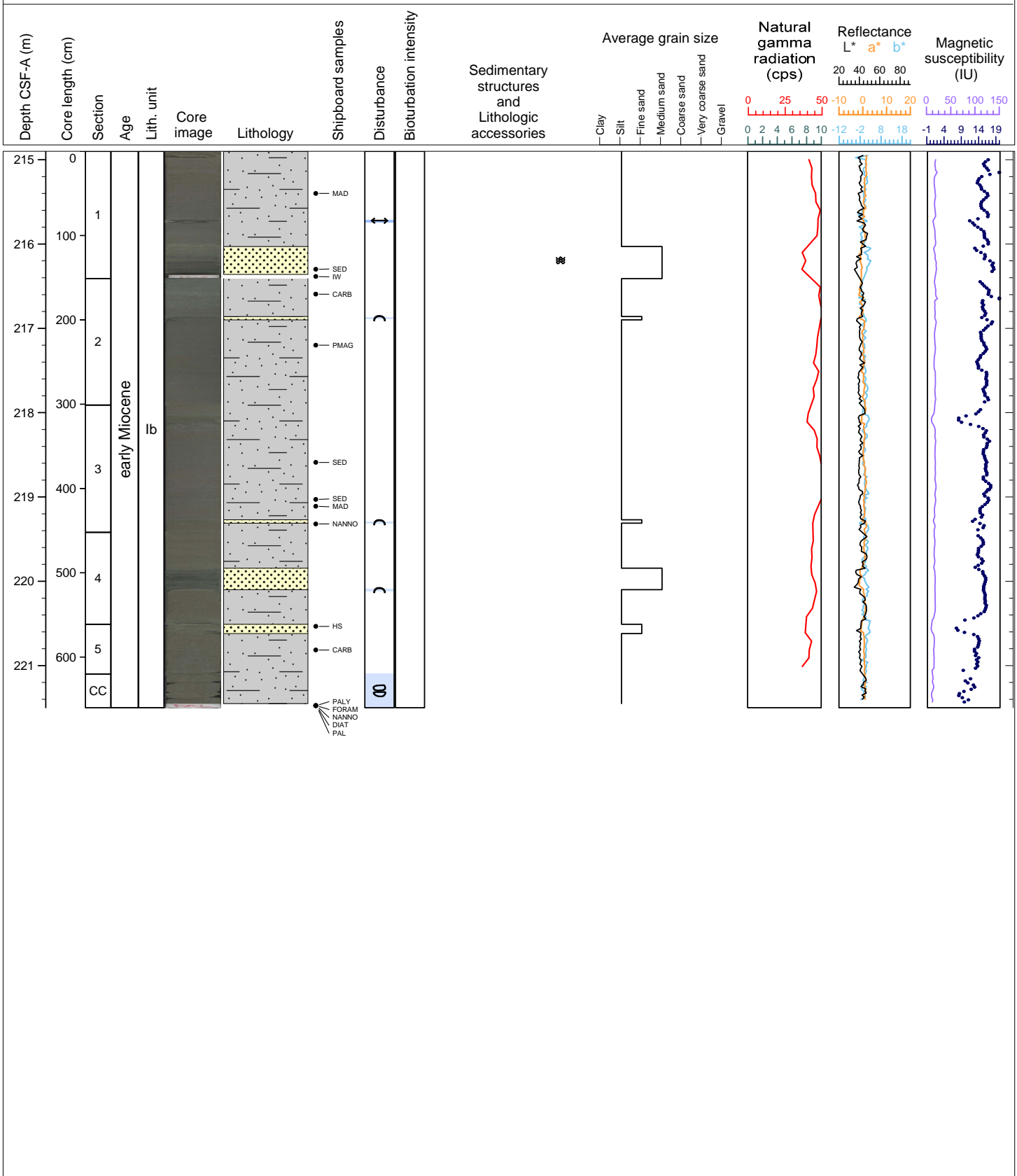
Hole 392-U1581A Core 26H, Interval 207.2-214.89 m (CSF-A)

Core U1581A-26H is predominantly silt. A band that is normally graded and contains coarse red grains (possible microfossil steinkerns) occurs in Section 2, 75-83 cm. A color banded interval with black laminations is observed in Section 2, 108-140 cm. Sections 1-2, and 4-5 are moderately disturbed and up-arching. With the exception of the laminated intervals, the whole core is massively bedded. The laminations are up-arching due to drilling.



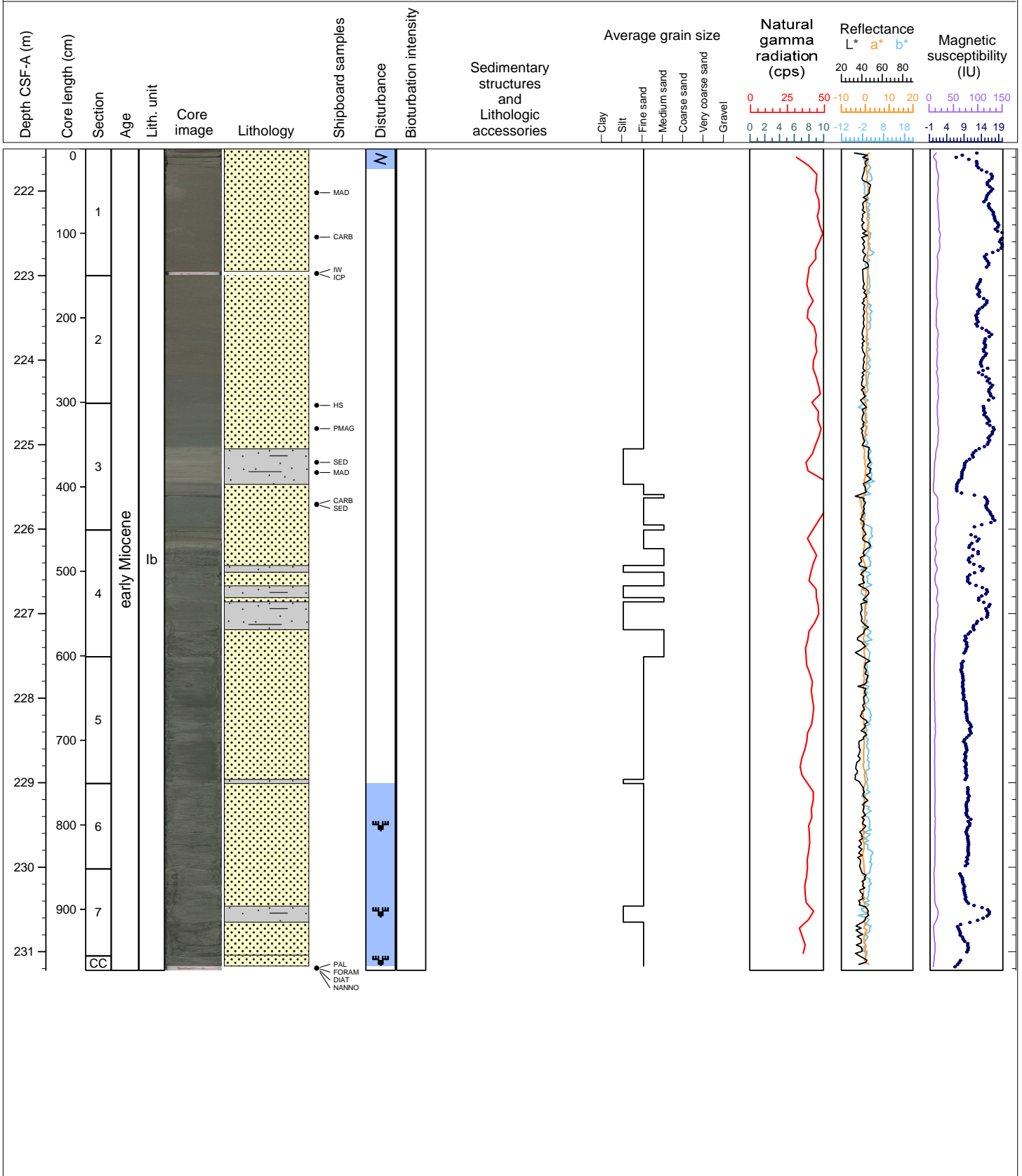
Hole 392-U1581A Core 27H, Interval 214.9-221.5 m (CSF-A)

Core U1581A-27H is dominated by a greenish gray silt. The silt is interspersed with intervals of either medium sand or fine sand. In Section 1, 113-146 cm, the sand is laminated, but all other occurrences (Section 2, 45-49 cm; Section 3, 136-140 cm; Section 4, 42.5-68 cm; Section 5, 0-11 cm) are massive. There is up-arching drilling disturbance in Sections 2, 3 and 4; gas expansion in Section 1, and biscuiting in the Core Catcher.



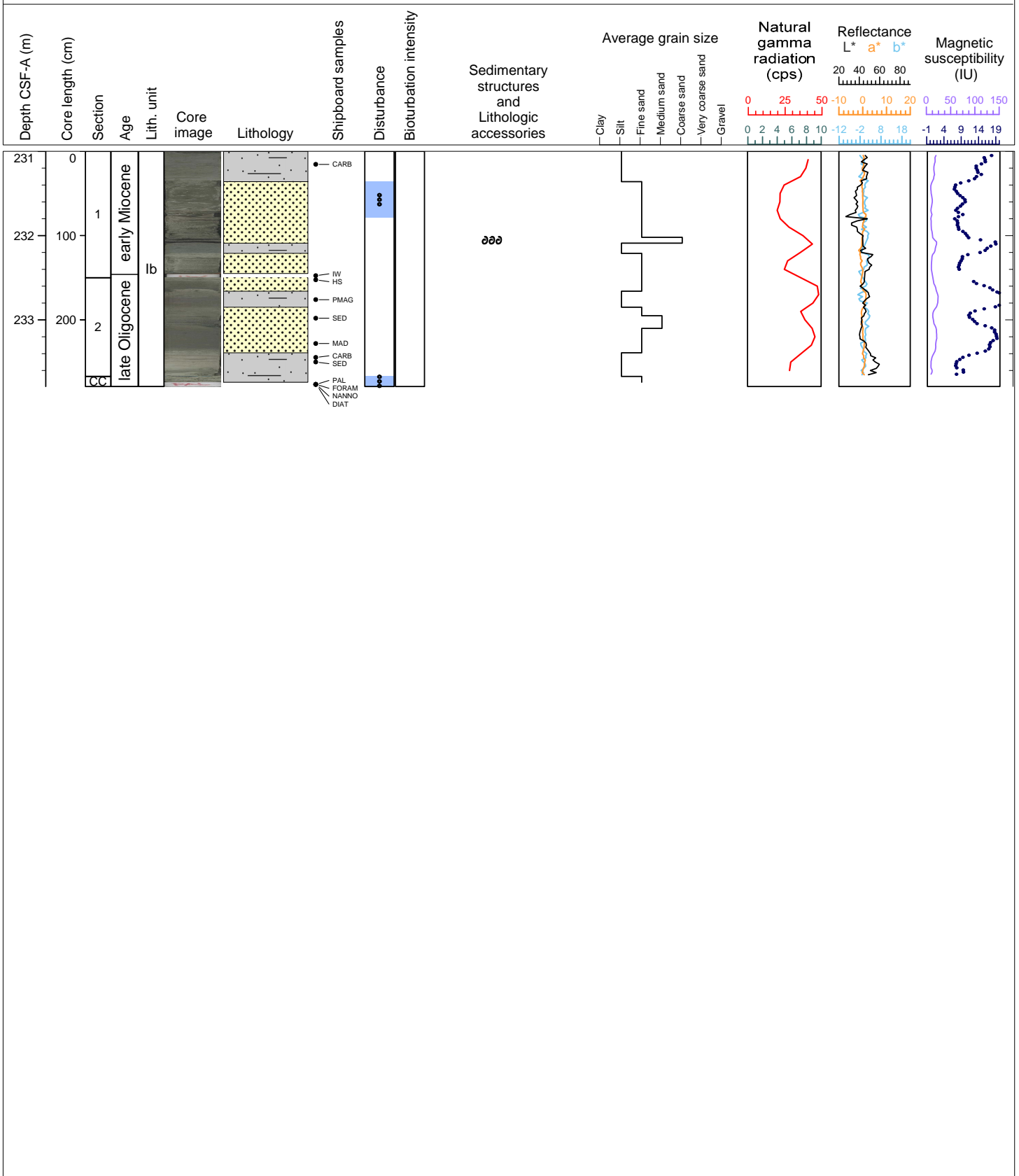
Hole 392-U1581A Core 28H, Interval 221.5-231.22 m (CSF-A)

Core U1581A-28H consists of greenish gray and dark greenish gray silt and sand. The dominant grain size varies from silt to medium sand in decimeter-meter scale intervals. The top of Section 1 is moderately fragmented, and all of Sections 6 and 7 are moderately mousse-like.



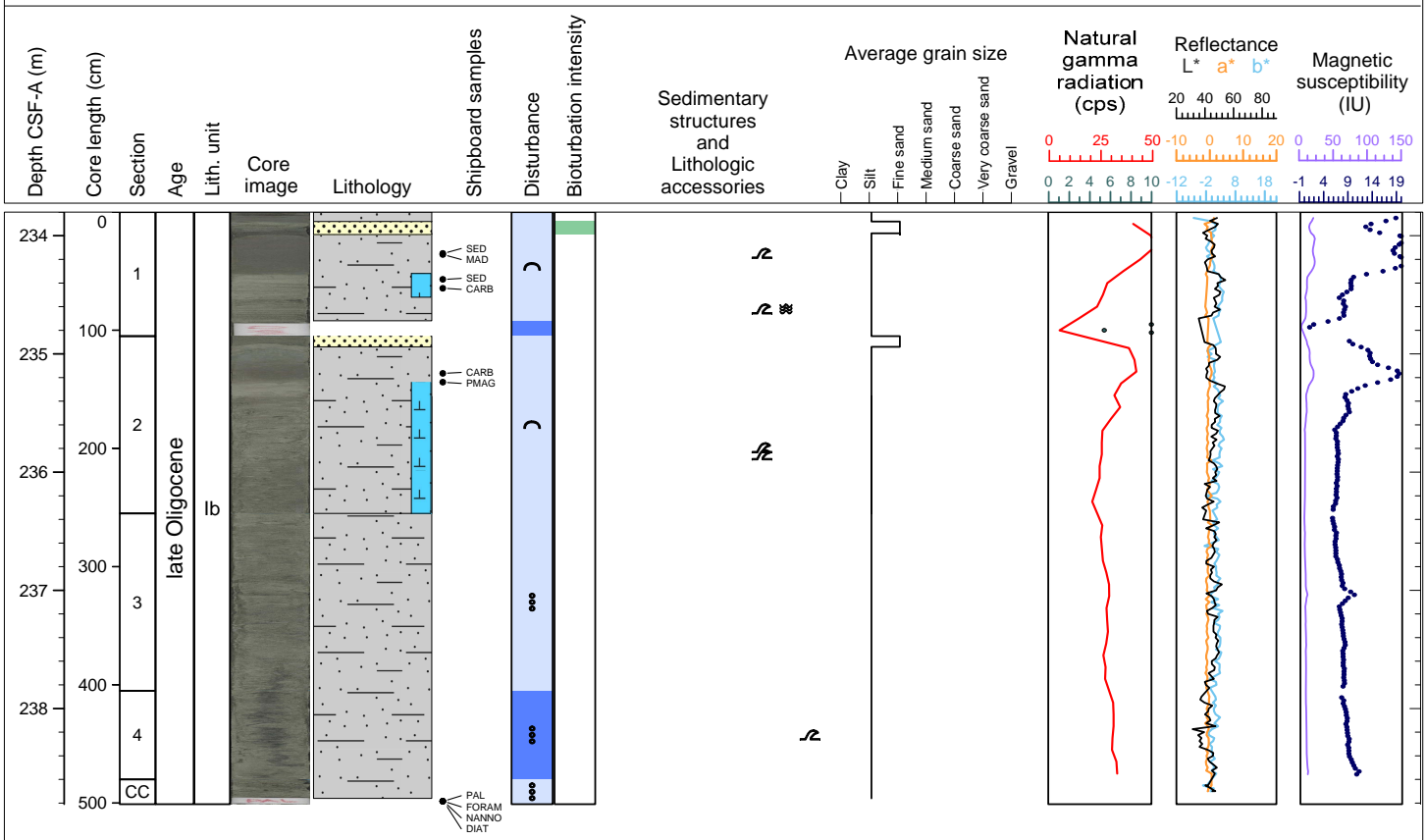
Hole 392-U1581A Core 29H, Interval 231.0-233.79 m (CSF-A)

Core U1581A-29H consists of greenish gray and dark greenish gray silt and sand. The dominant grain size varies from silt to medium sand in dm-scale intervals. The sandy interval in Section 1, 36-79 cm, is disturbed by moderate soupy drilling disturbance.



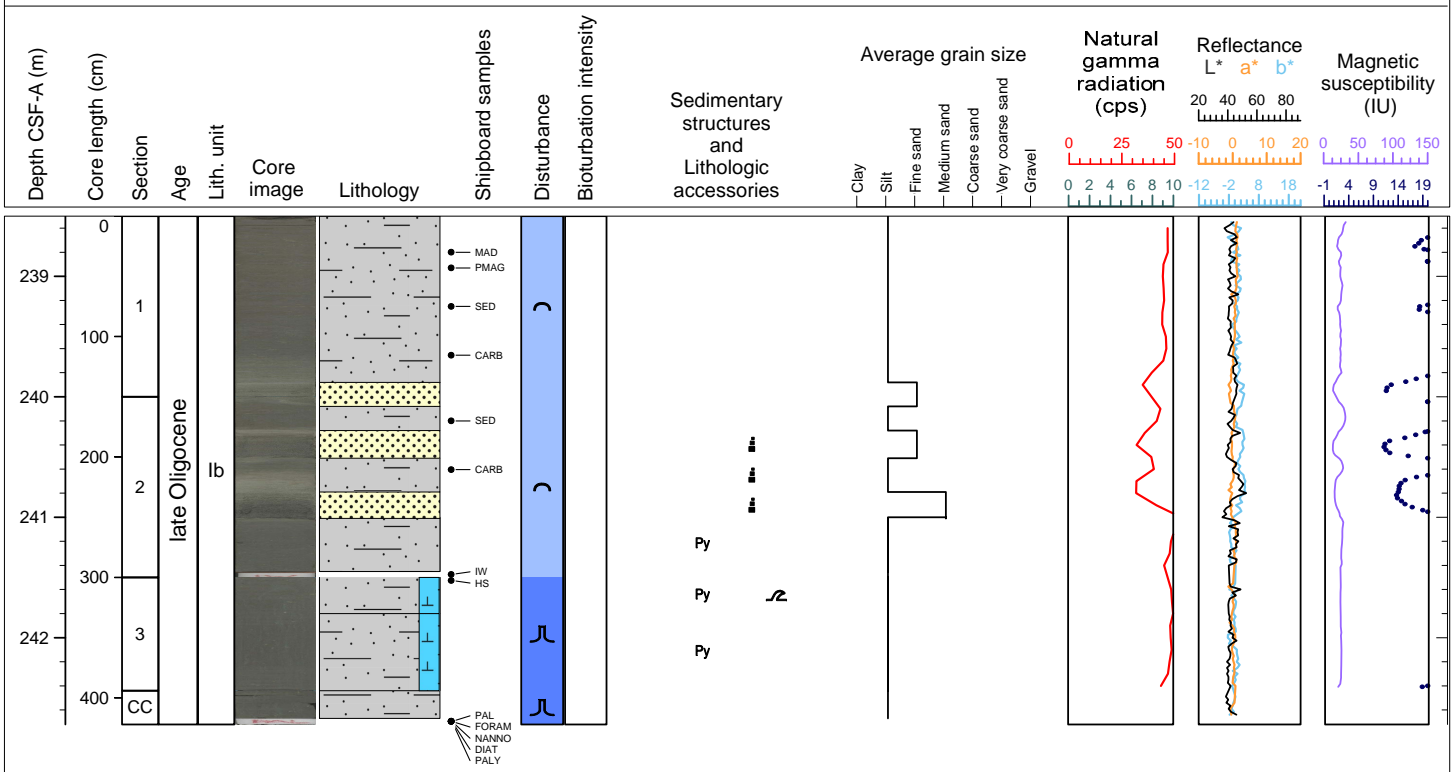
Hole 392-U1581A Core 30F, Interval 233.8-238.81 m (CSF-A)

Core U1581A-30F consists of greenish gray, massive to thinly bedded silt and silt with nannofossils. There is an interval of dark greenish gray, massive medium sand in Section 1, 8-19 cm; and an interval of fine sand at Section 2, 0-9 cm. The basal contacts of the sandy beds are irregular but the nature is hard to determine due to bowing caused by drilling disturbance. The silt of Sections 3, 4, and Core Catcher contains slight to severe mousse-like drilling disturbance. In Section 4, a dark vertical streak passes through the center of the entire section, and may be a clastic dike or an effect of drilling disturbance.



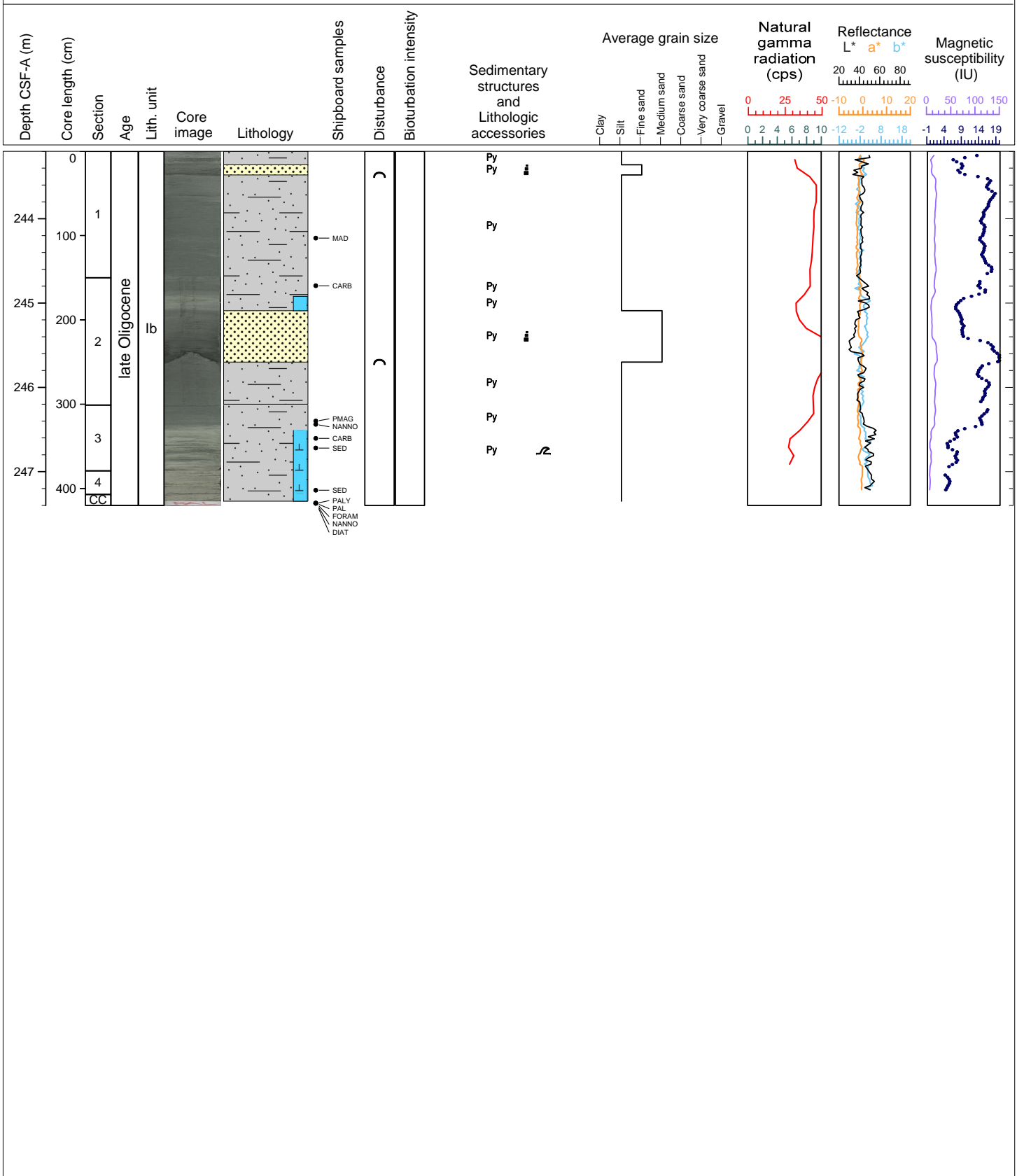
Hole 392-U1581A Core 31F, Interval 238.5-242.72 m (CSF-A)

Core U1581A-31F consists of greenish gray, mottled or massive silt and massive, normally graded medium- to fine-grained sand. Mottling is observed in Sections 2 (51-78 cm), 3 and CC. The bottom contacts of these sandy beds are irregular, but the nature is hard to determine due to bowing caused by drilling disturbance. The silt in Sections 3 and CC is severely disturbed by flow-in during drilling.



Hole 392-U1581A Core 32F, Interval 243.2-247.4 m (CSF-A)

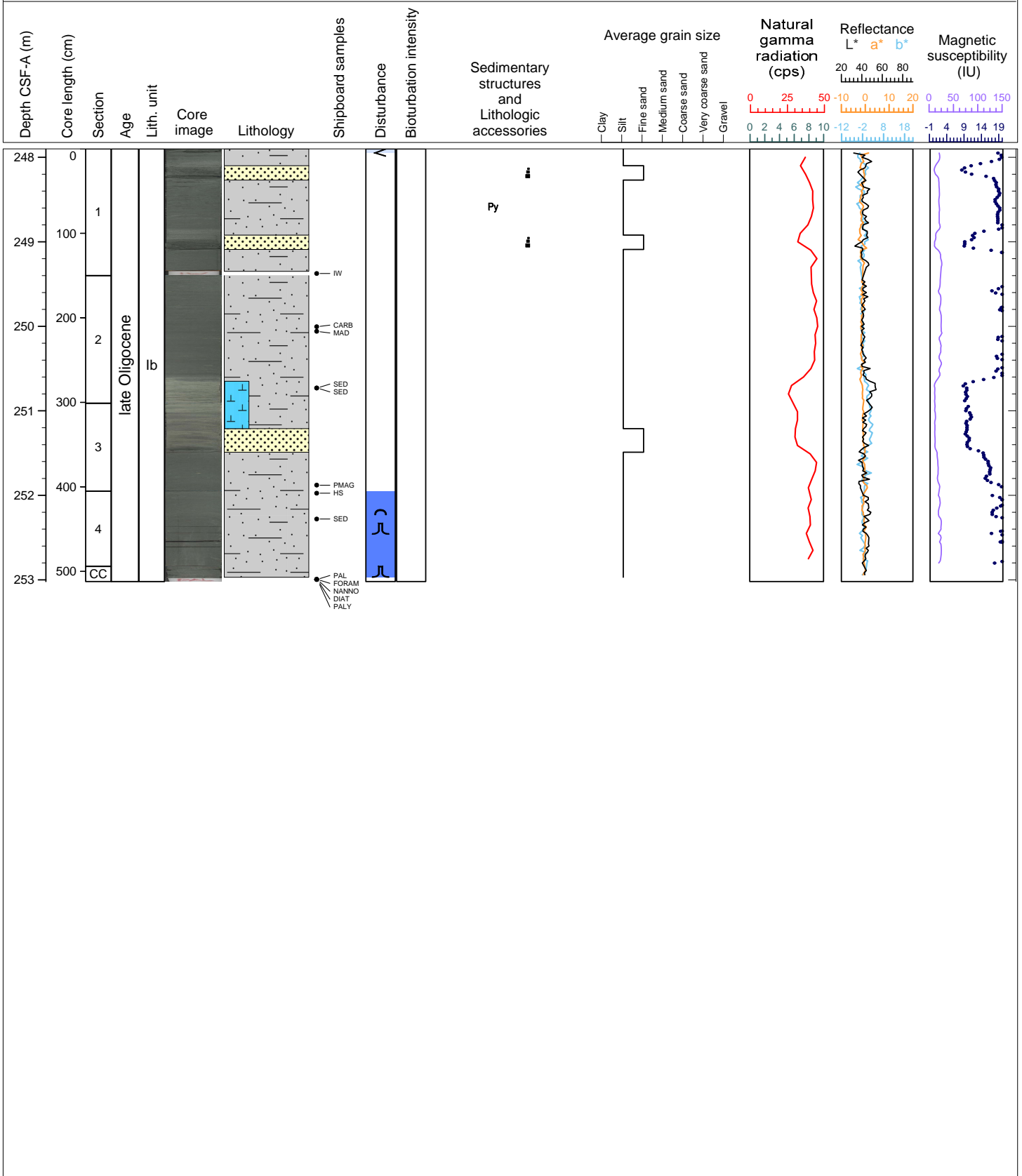
Core U1581A-32F consists of massive, dark greenish gray silt and fine- and medium-grained sand. Fine sand is present in Section 1, 16-28 cm, and medium grained sand in Section 2, 39-100 cm. The bottom contacts of these sandy beds are irregular, but the nature is hard to determine due to bowing caused by drilling, especially in Section 2, 100 cm, where the basal contact between medium sand and silt is angular due to extreme bowing. The rest of the core does not show much drilling disturbance. Load casts are observed in Section 3, 38 cm. Pyrite staining occurs throughout the core.





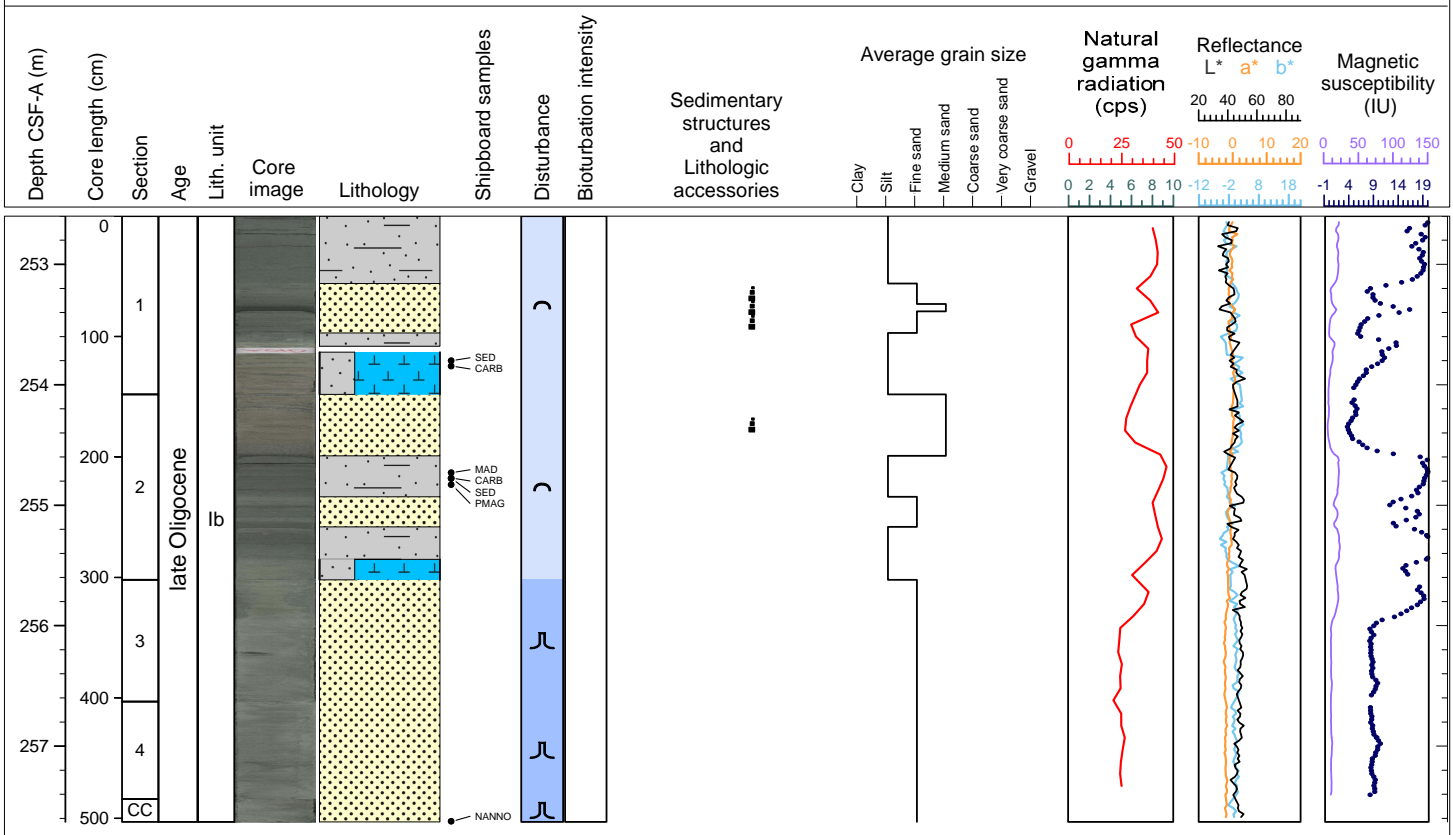
Hole 392-U1581A Core 33F, Interval 247.9-253.02 m (CSF-A)

Core U1581-33F consists of greenish gray silt with dm-scale sand beds occurring in Sections 1 and 3. A lighter greenish gray interval at the bottom of Section 2, 125-151 cm, contains nannofossil-rich silt. The sand beds feature soupy drilling disturbance, and the lower half of Section 4 and all of Section CC are flow-in disturbance.



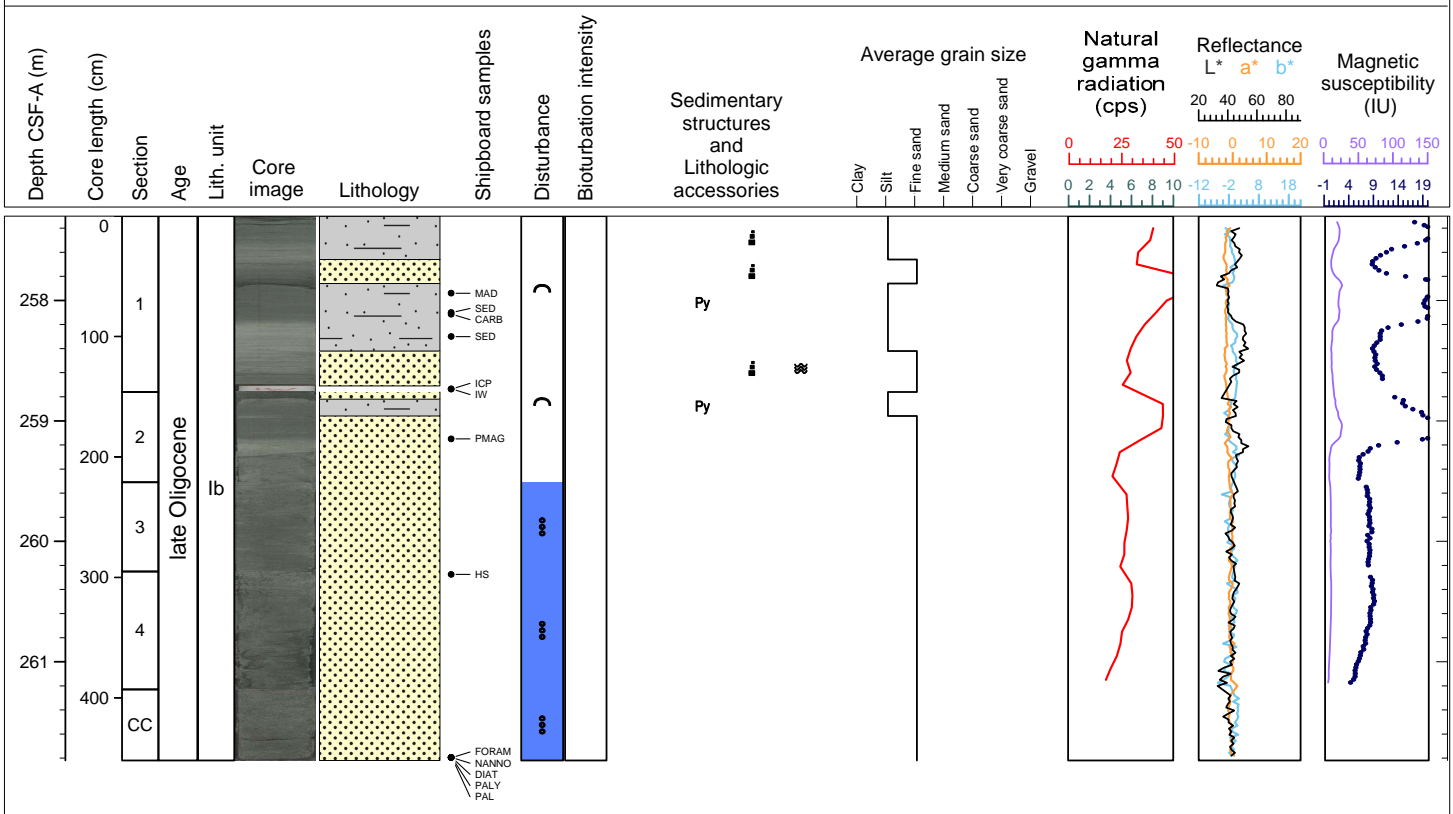
Hole 392-U1581A Core 34F, Interval 252.6-257.63 m (CSF-A)

Core U1581A-34F consists of greenish gray silt, silty nannofossil ooze, and sand. Two sand beds have sharp bases and normal grading (Sections 1 and 2). The top two sections have bowed drilling disturbance. Sections 3, 4, and CC feature flow-in.



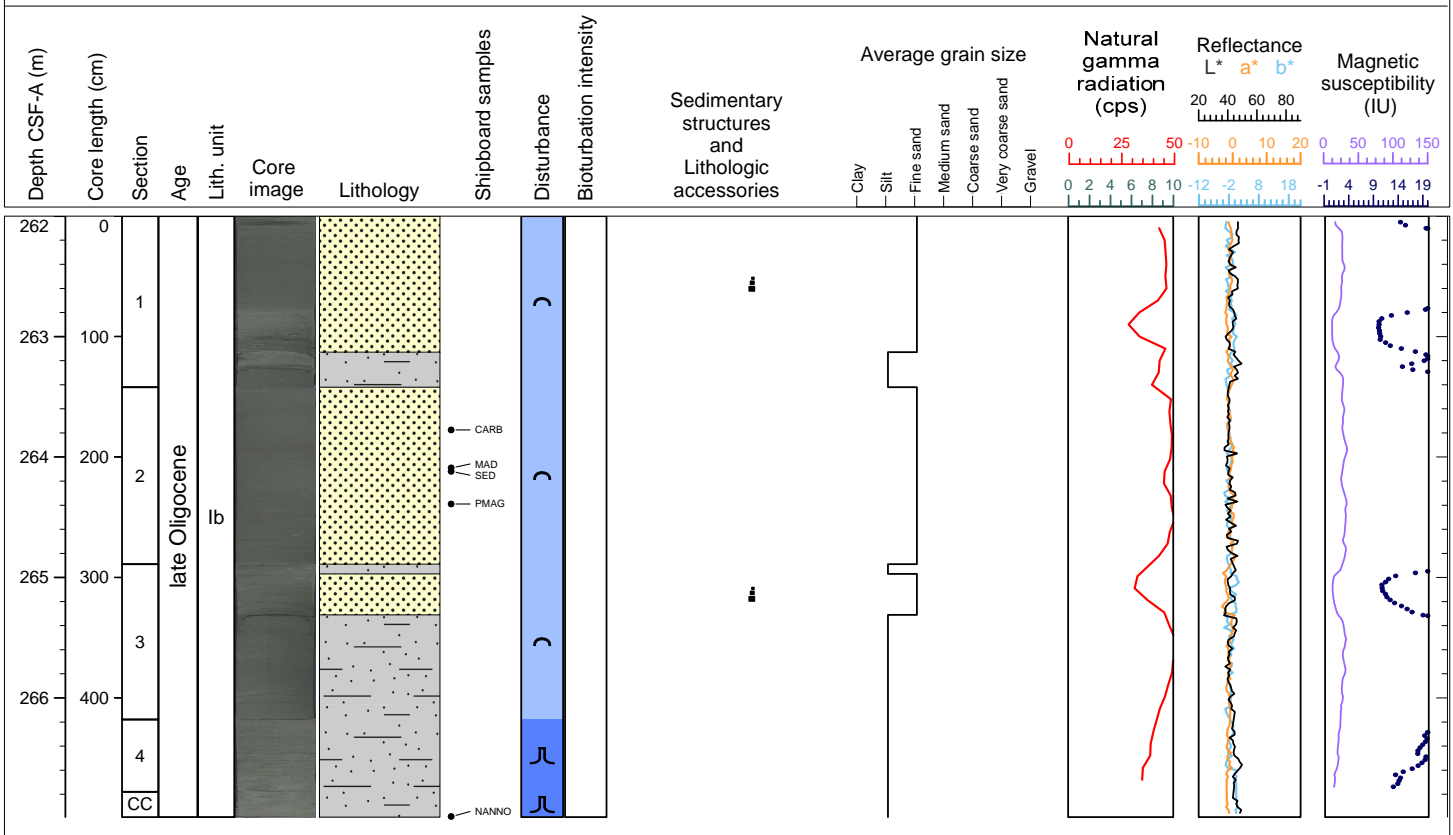
Hole 392-U1581A Core 35F, Interval 257.3-261.82 m (CSF-A)

Core U1581A-35F consists of massive, dark greenish gray silt, silt with nannofossils, and normally graded fine sand. Pyrite staining is present in Section 1, 60 cm, at the boundary between fine sand and silt. The sand-silt contacts are bowed, and Sections 3, 4, and CC are soupy due to severe drilling disturbance.



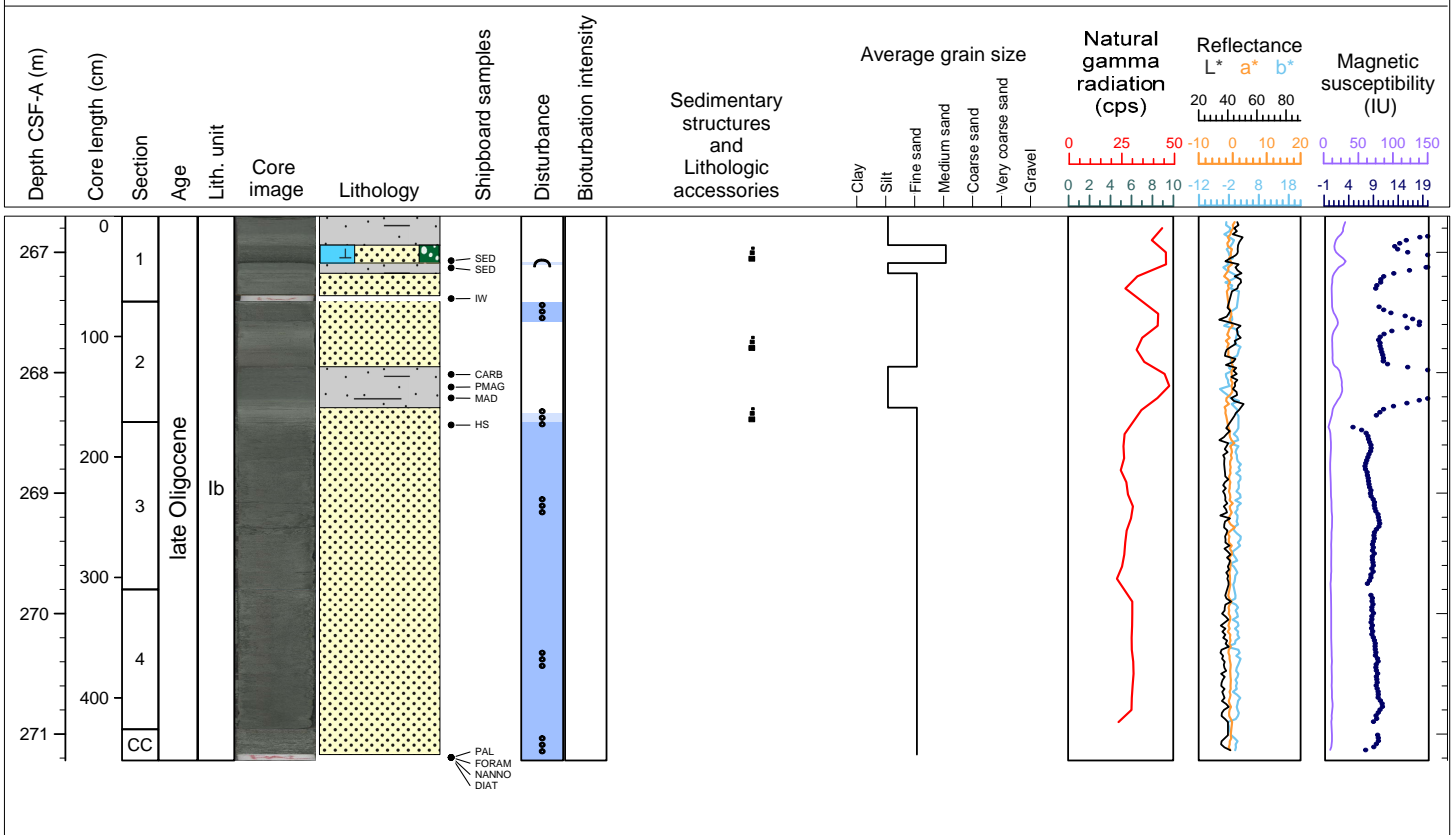
Hole 392-U1581A Core 36F, Interval 262.0-266.99 m (CSF-A)

Core U1581A-36F consists of greenish gray silt and sand. The silt is most prominent, with sand occurring as dm-scale normally-graded beds in Sections 1 and 3. The top 3 sections of the core are moderately bowed, and there is flow-in in Sections 4 and CC.



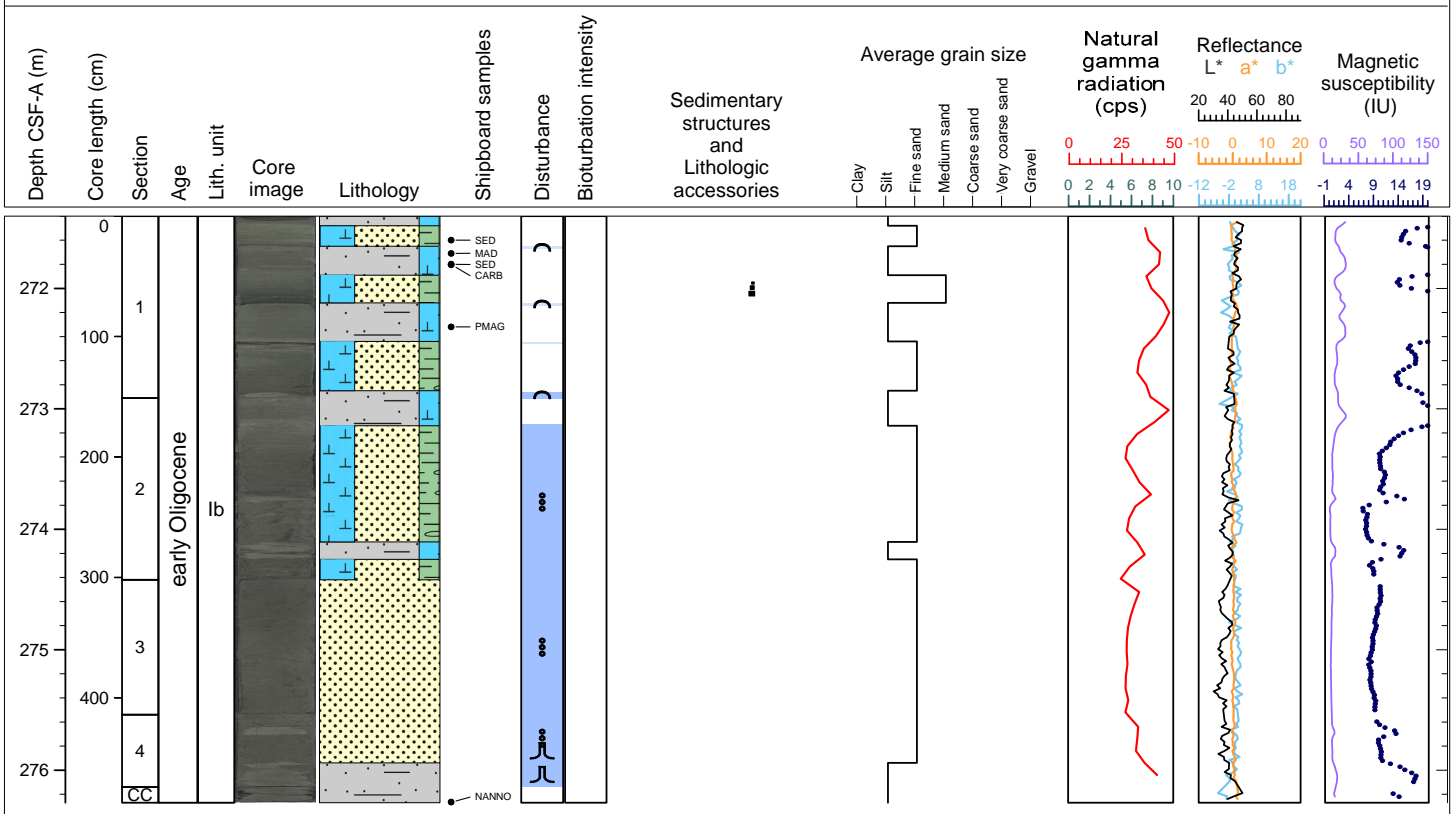
Hole 392-U1581A Core 37F, Interval 266.7-271.22 m (CSF-A)

Core U1581A-37F is greenish gray to very dark greenish gray silt and sand. Bedding is massive to mottled throughout. There are two normally graded intervals in Sections 1 (24-39 cm - nannofossil ooze with glauconite) and 2 (15.5-54 cm - sand). Drilling disturbance ranges from slightly to moderately up-arching in Section 1, to moderately soupy in Sections 3 to CC.



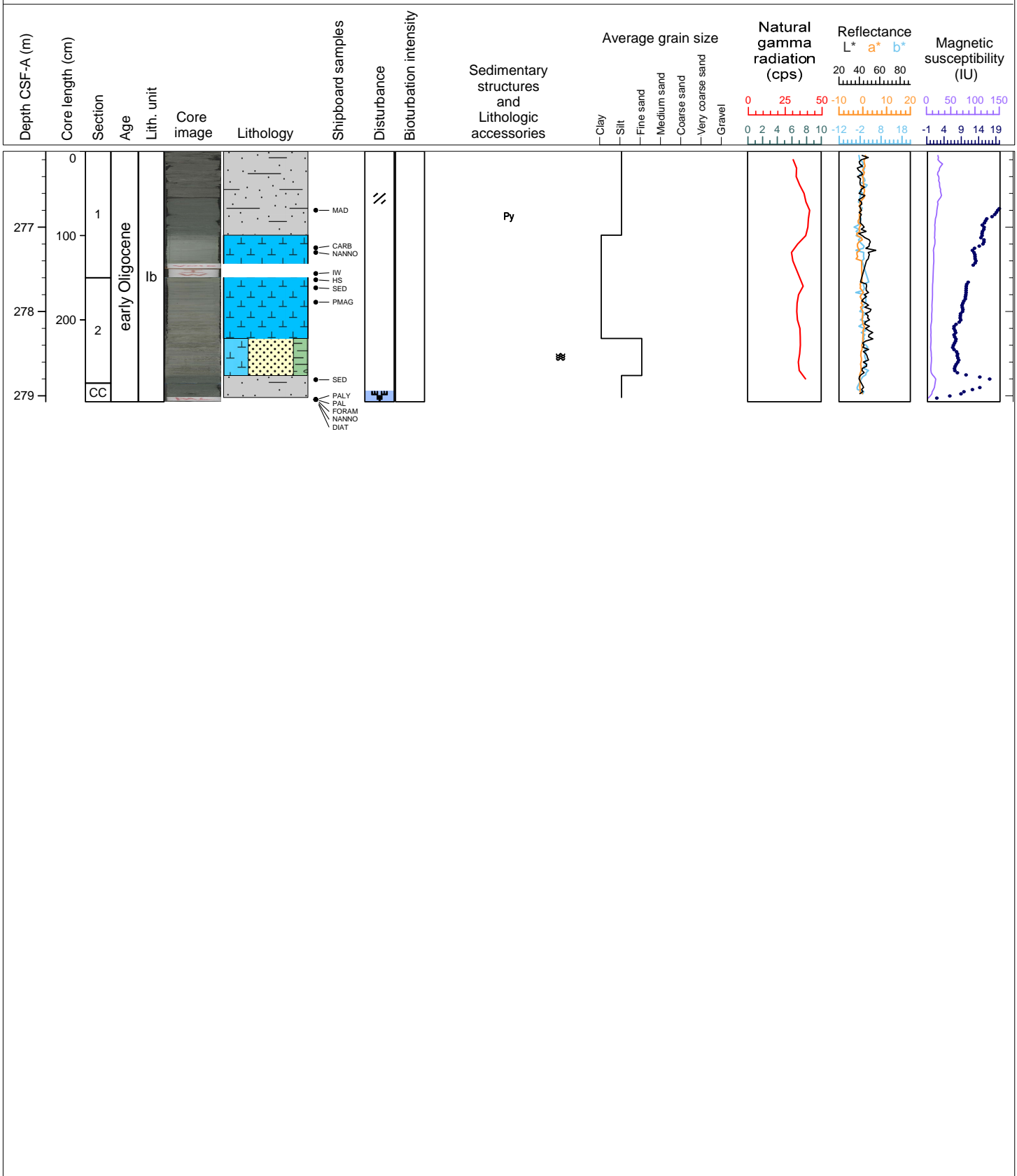
Hole 392-U1581A Core 38F, Interval 271.4-276.27 m (CSF-A)

Core U1581A-38F is greenish gray silt and sand. In Section 1, 49-72 cm, there is a normally graded interval. Drilling disturbance ranges from slight to moderate (soupy, up-arching, void, and flow-in).



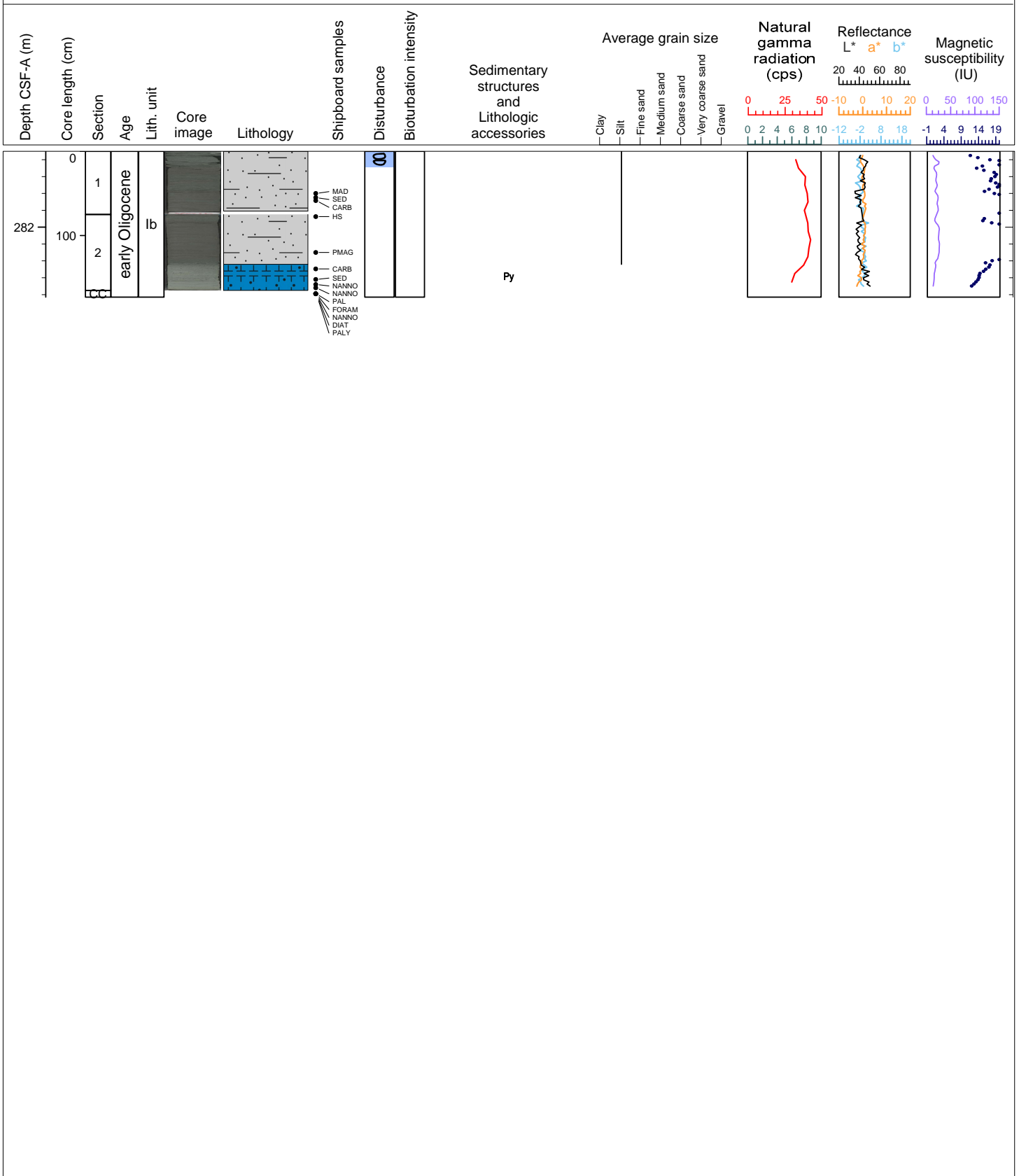
Hole 392-U1581A Core 39X, Interval 276.1-279.07 m (CSF-A)

Core U1581A-39X consists mainly of greenish gray silt and sand, with a light green homogenous nannofossil ooze interval between Section 1, 99.5 cm, and Section 2, 72 cm. There is moderate drilling disturbance (mousse-like texture) in the Core Catcher.



Hole 392-U1581A Core 40X, Interval 281.1-282.83 m (CSF-A)

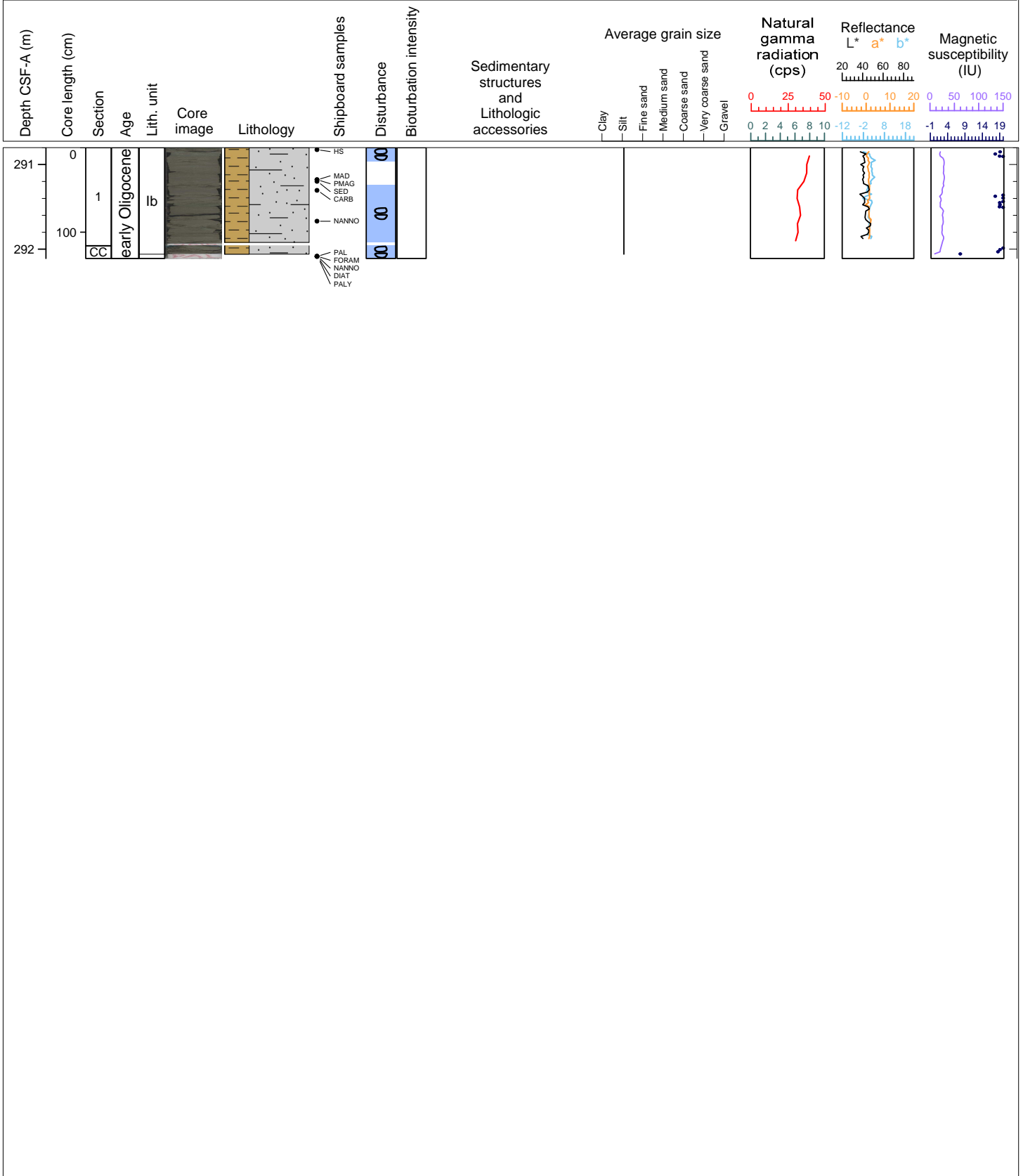
Core U1581A-40X consists mainly of greenish gray silt and sand, with a light green mottled nannofossil ooze interval in Section 2, 63-89 cm. Section 1, 0-19 cm, is moderately disturbed (biscuited).





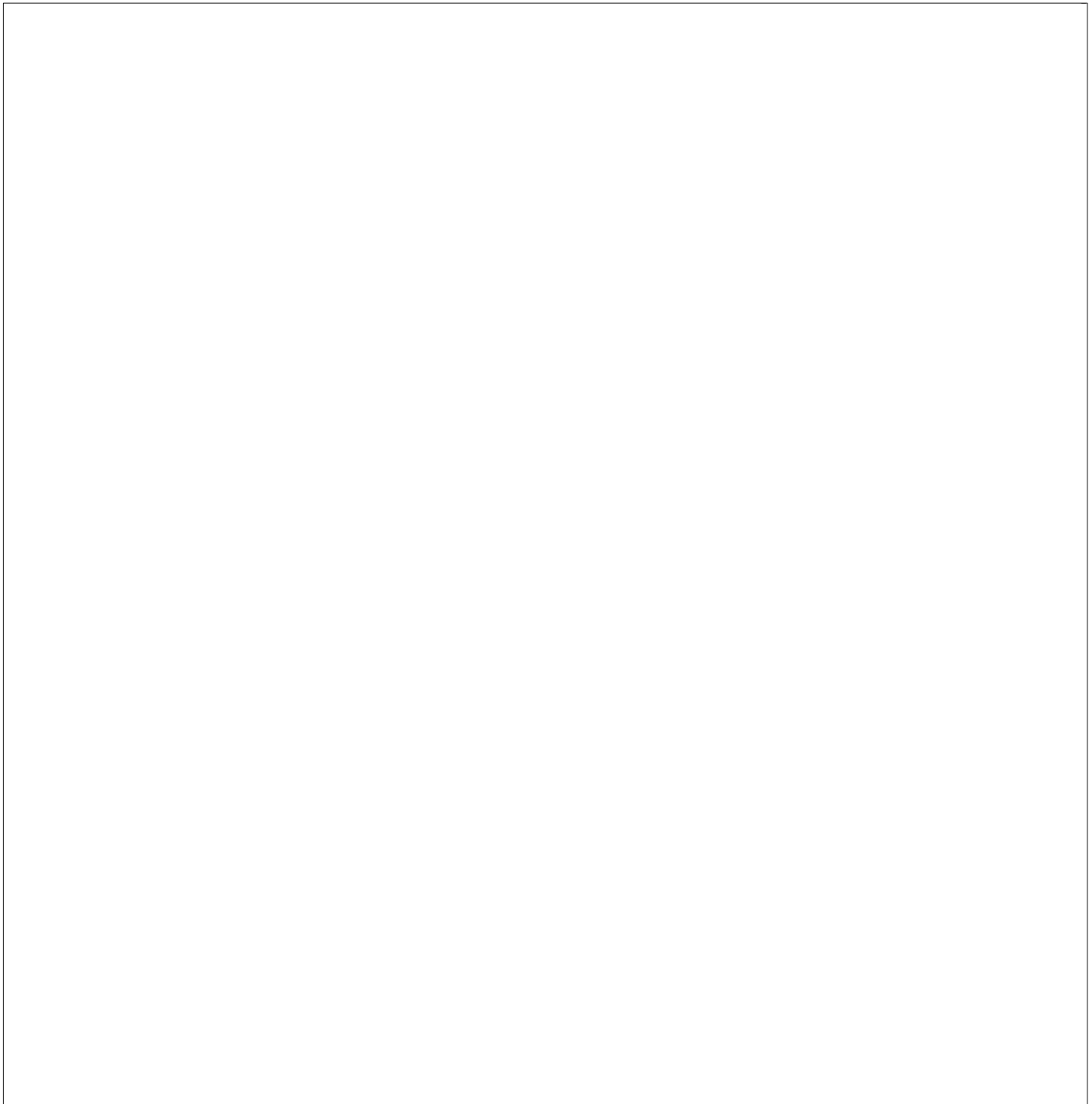
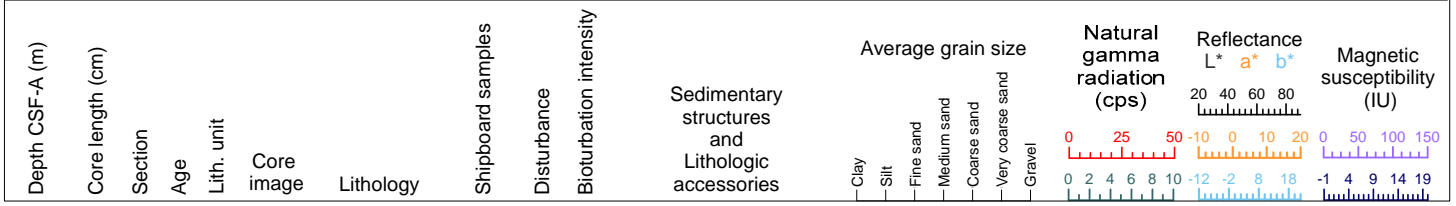
Hole 392-U1581A Core 41X, Interval 290.8-292.11 m (CSF-A)

Core U1581A-41X consists entirely of massive dark greenish gray clayey silt, with moderate drilling disturbance throughout (biscuited).



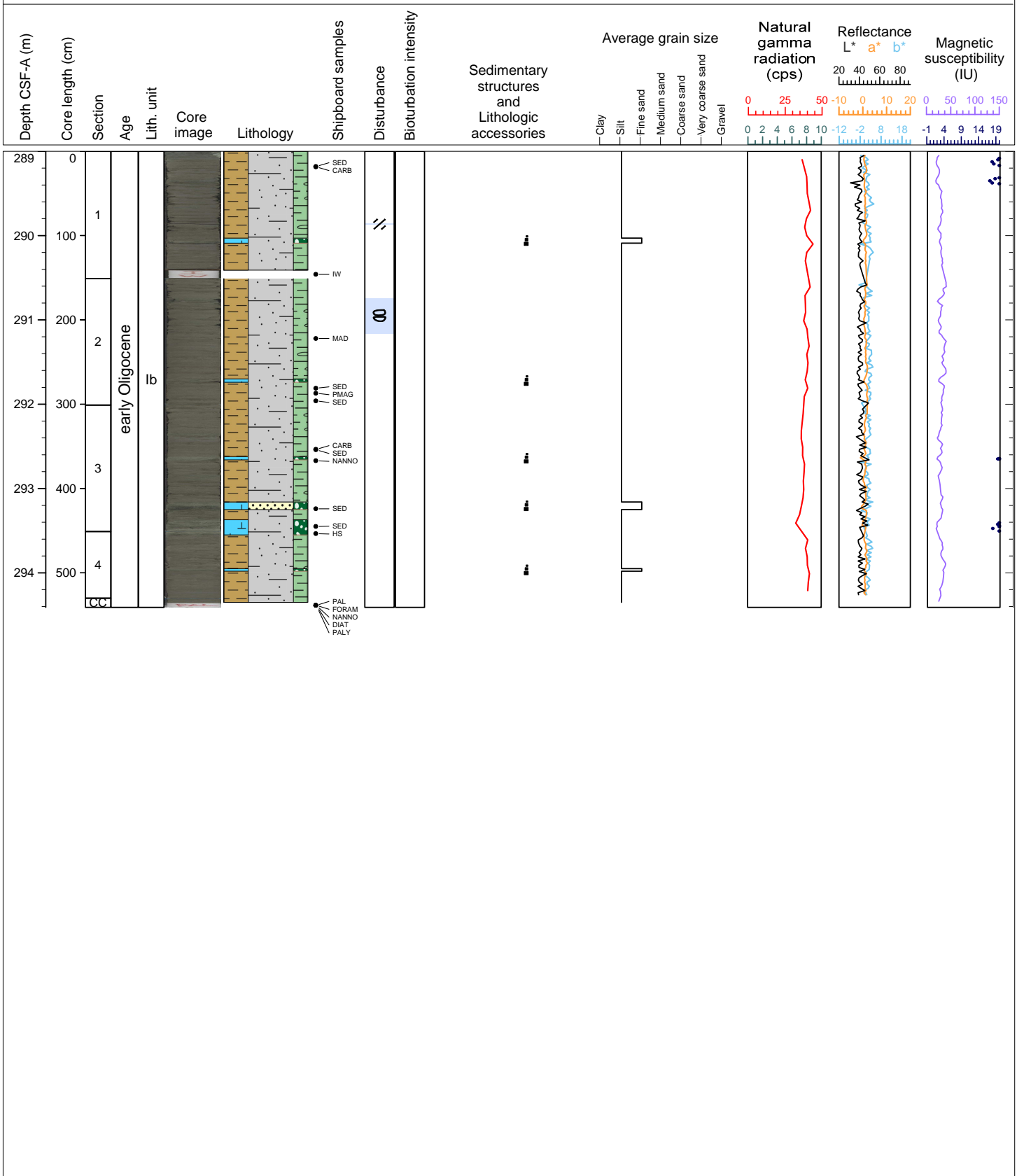
Hole 392-U1581B Core 11, Interval 0.0-0.0 m (CSF-A)

DRILLED INTERVAL 0-289 m



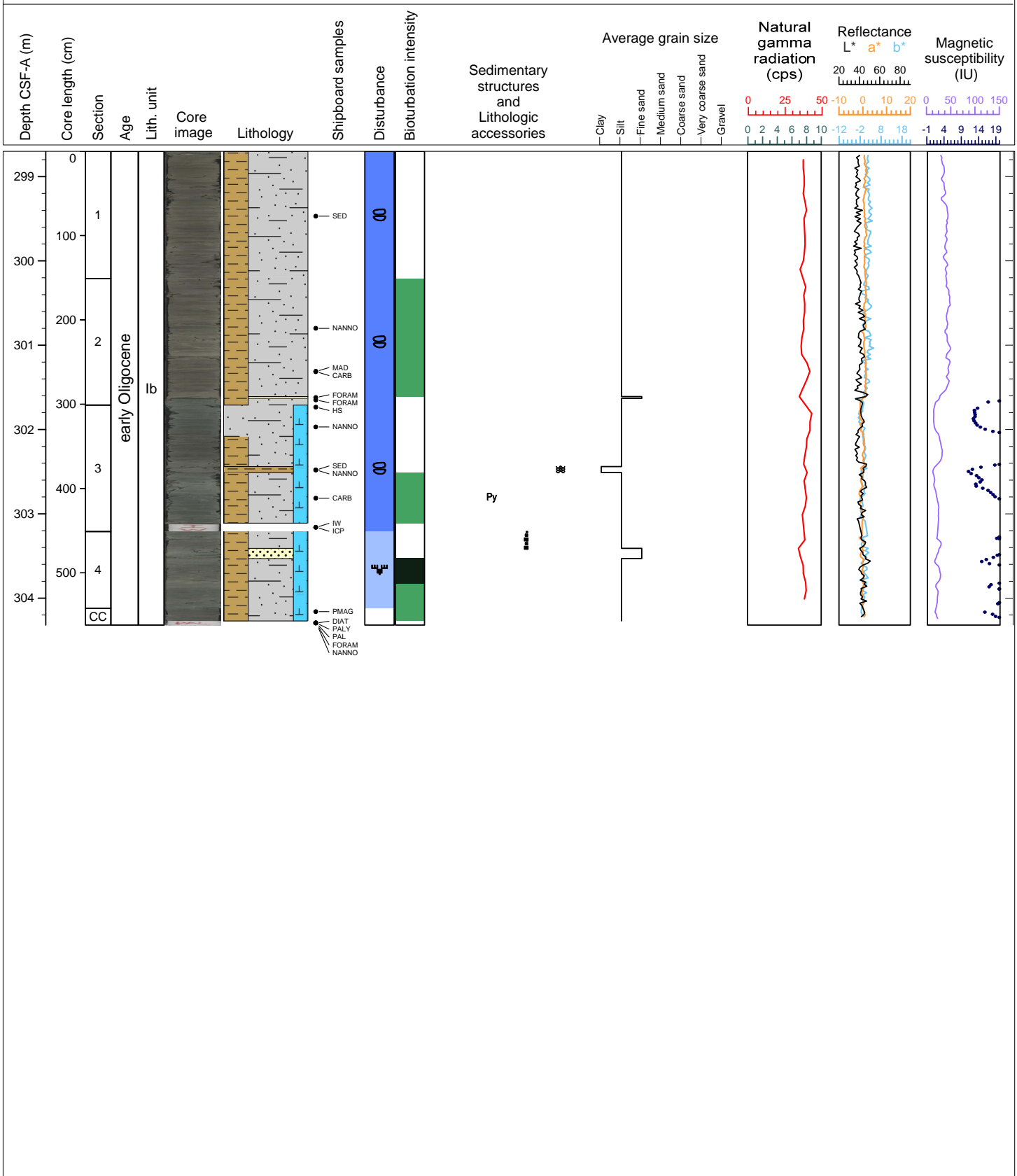
Hole 392-U1581B Core 2R, Interval 289.0-294.41 m (CSF-A)

Core U1581B-2R consists of mottled dark greenish gray clayey silt with zeolite, with intervals of nannofossil-rich sand or silt with glauconite that have wavy or irregular bottom contacts, and gradational top contacts. The nannofossil-rich intervals are lighter greenish gray. There is slight drilling disturbance in Sections 1 (fractured) and 2 (biscuited).



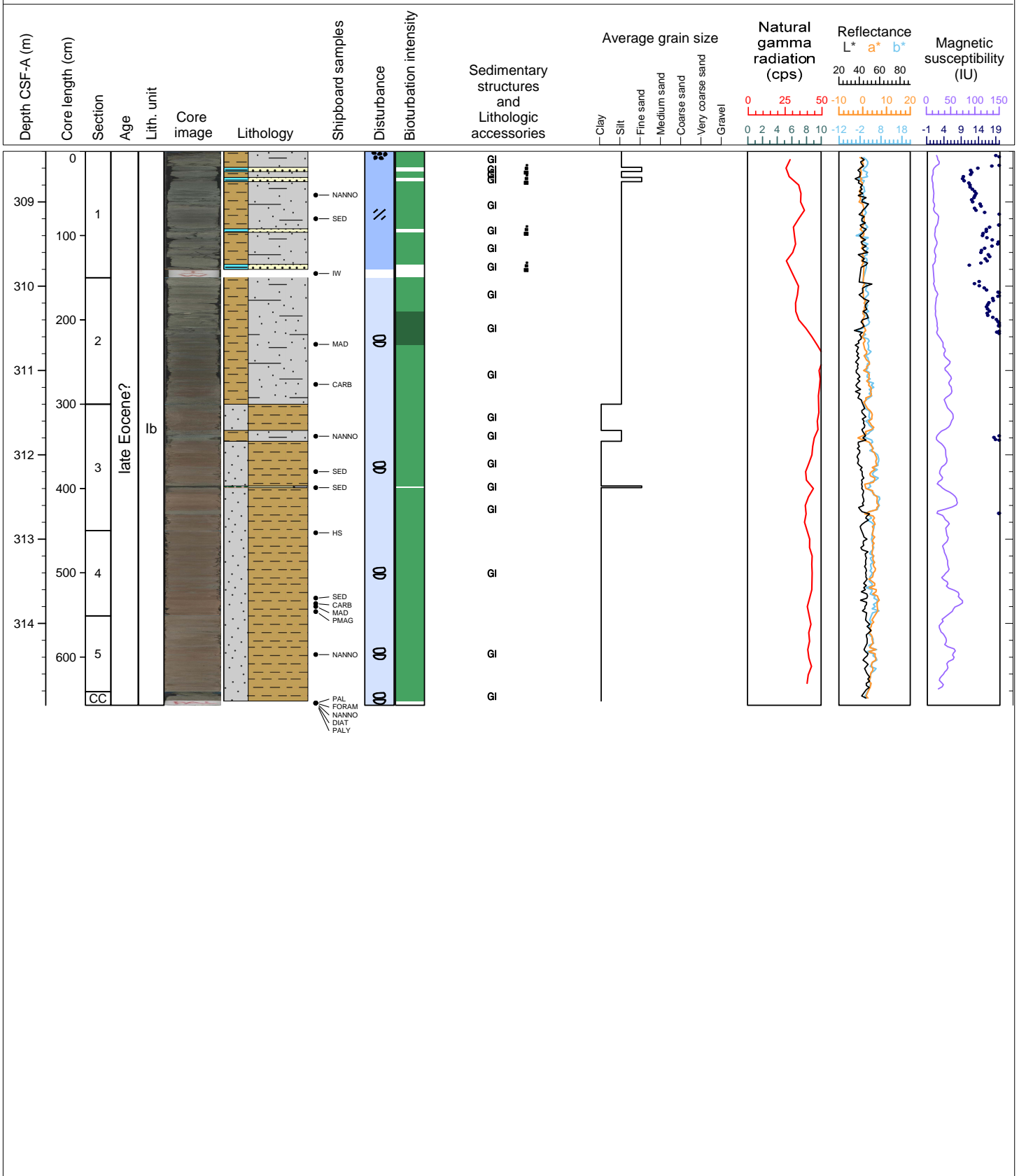
Hole 392-U1581B Core 3R, Interval 298.7-304.32 m (CSF-A)

Core U1581B-3R consists of massive or mottled dark greenish gray clayey silt and clayey silt with nannofossils. Clayey fine sand intervals are observed at Section 2, 140-142 cm, and Section 4, 20-32 cm. A thinly laminated nannofossil-rich clay interval with sharp contacts at the top and bottom occurs at Section 3, 38-73 cm. There is moderate to intense bioturbation in Sections 1 (60-90 cm), 3 (80-140 cm), 4 (32-91 cm), and CC. Pyrite staining presents at Section 3, 85-87 cm. The first 5 cm of Section 1 consists of fall-in, and Sections 2 and 3 shows severe drilling disturbance in the form of biscuiting. Section 4 shows slight mousse-like drilling disturbance.



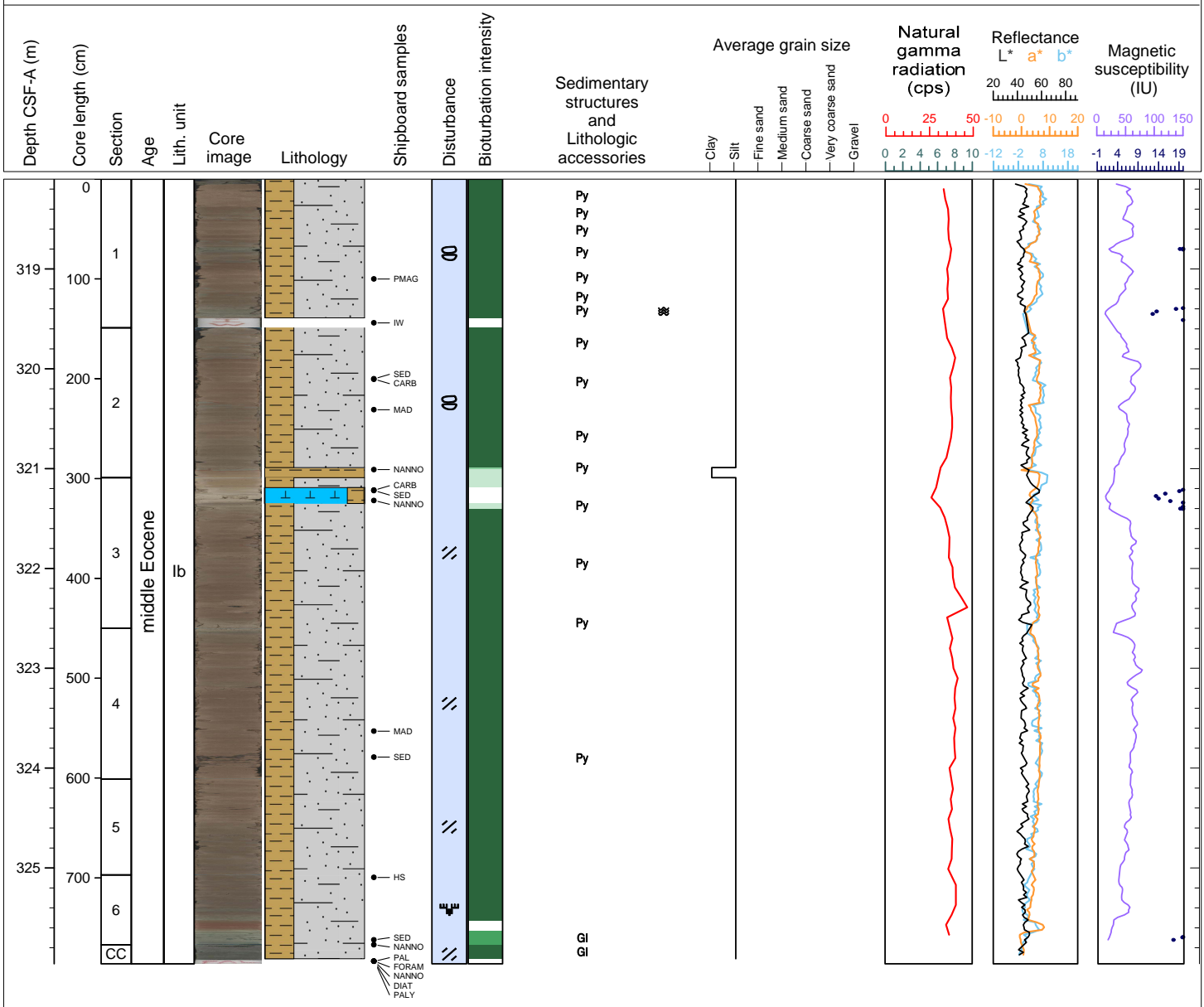
Hole 392-U1581B Core 4R, Interval 308.4-314.97 m (CSF-A)

Core U1581B-4R mainly consists of moderately bioturbated clayey silt with glauconite. The color of the core transitions from greenish gray in Sections 1 and 2 to brown in Sections 3 to CC. Several ~5 cm normally graded, sharp-based foraminiferal sand beds occur in Section 1. A single 2 cm, dark greenish gray glauconite sand interval occurs in Section 3, 97-99 cm. The entire core is slightly biscuited, and Section 1 is fragmented.



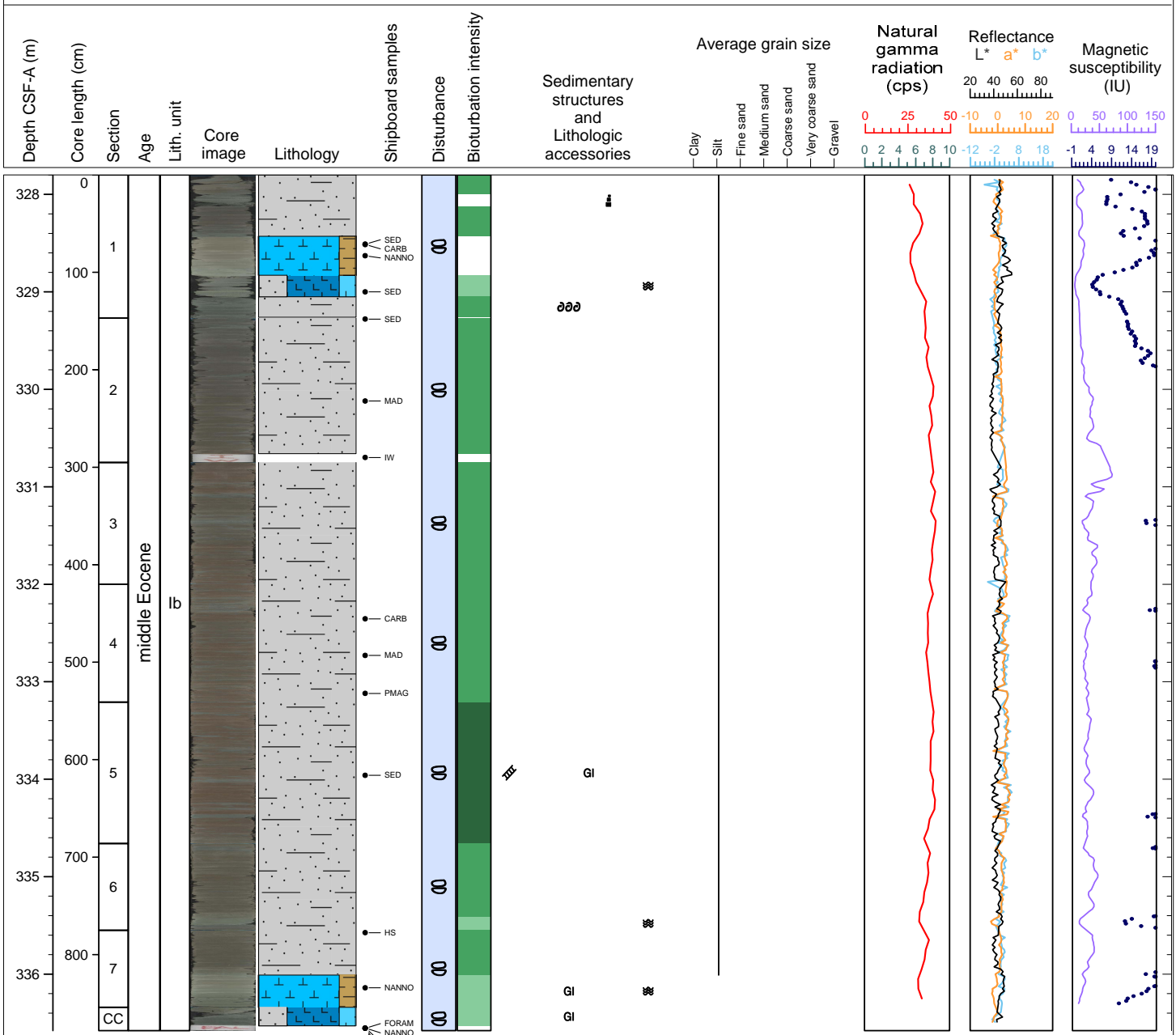
Hole 392-U1581B Core 5R, Interval 318.1-325.96 m (CSF-A)

Core U1581B-5R mainly consists of massive or mottled reddish brown to brown clayey silt and clay with a single layer of medium laminated nannofossil ooze with clay in Section 3, 10-26 cm. Sharp top and bottom boundaries separate the nannofossil ooze from greenish gray, reddish brown or pinkish gray clay that extends from Section 2, 140 cm, to Section 3, 10 cm. Most other boundaries are gradational. The silty clays are highly bioturbated whereas the clays and nannofossil ooze have low or sparse bioturbation. A mottled layer with large black patches of pyrite is seen in Section 4, 124-138 cm. Specks of pyrite occur throughout Section 1 and a large pyrite patch occurs at Section 3, 128-130 cm. Mm-scale circular green glauconite patches are found in Section 6, 60-66 cm, and a <1 mm-thick dark green glauconite lamination is present at Section CC, 2 cm. The entire core is slightly biscuitied, fractured or mousse-like due to drilling disturbance.



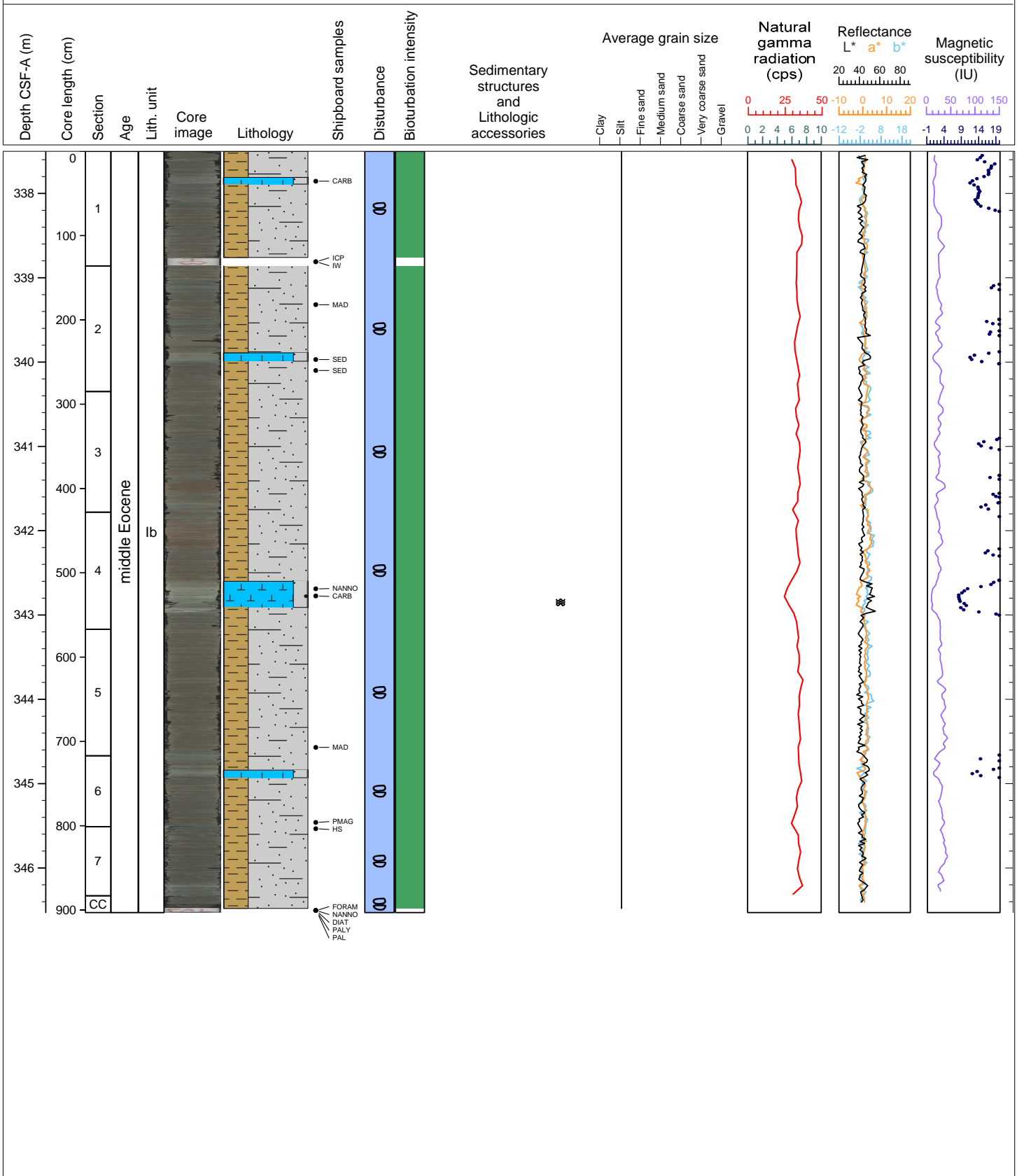
Hole 392-U1581B Core 6R, Interval 327.8-336.58 m (CSF-A)

Core U1581B-6R consists mainly of massive gray or greenish gray silt with some massive or medium laminated silty nanfossil ooze with clay in Section 1, 63-103 cm, and Section 7, 46-79 cm. The silty nanfossil ooze intervals overlie thin intervals of silty foraminiferal chalk with nanfossils at Section 1, 103-125 cm, and Section CC, 0-19 cm. A green color band is present in Section 5, 116-119 cm, and mm-scale dark green patches of glauconite are present in Section 7, 69-78 cm. The Core Catcher has a thin glauconite band at 2 cm. Bioturbation is moderate throughout the core. The entire core is moderately biscuited due to drilling.



Hole 392-U1581B Core 7R, Interval 337.5-346.53 m (CSF-A)

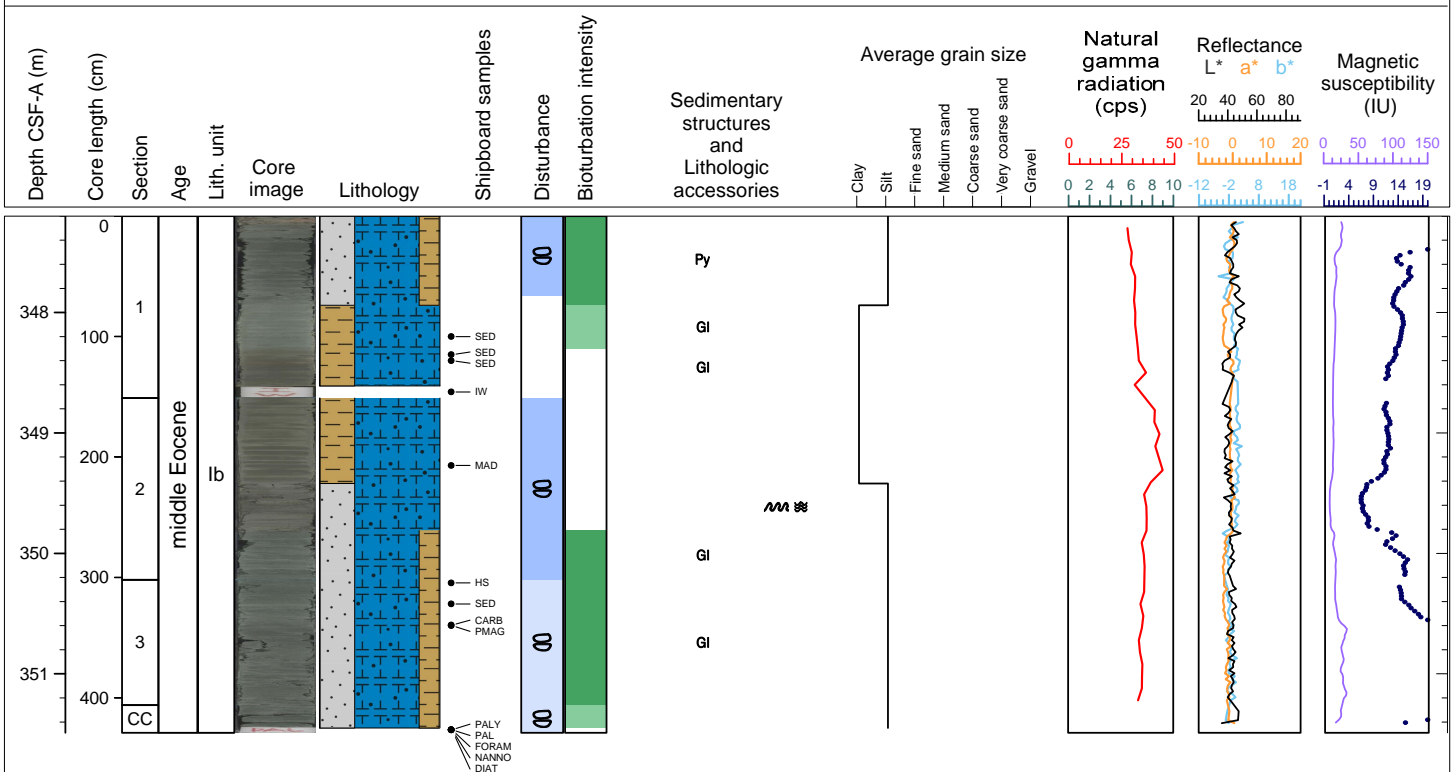
Core U1581B-7R consists of mottled or massive greenish gray clayey silt and nannofossil ooze with silt. A thin interval of medium laminated nannofossil ooze with silt occurs in Section 7, 110-113 cm. Bioturbation is moderate throughout the core. The entire core is moderately biscuitsued due to drilling disturbance.





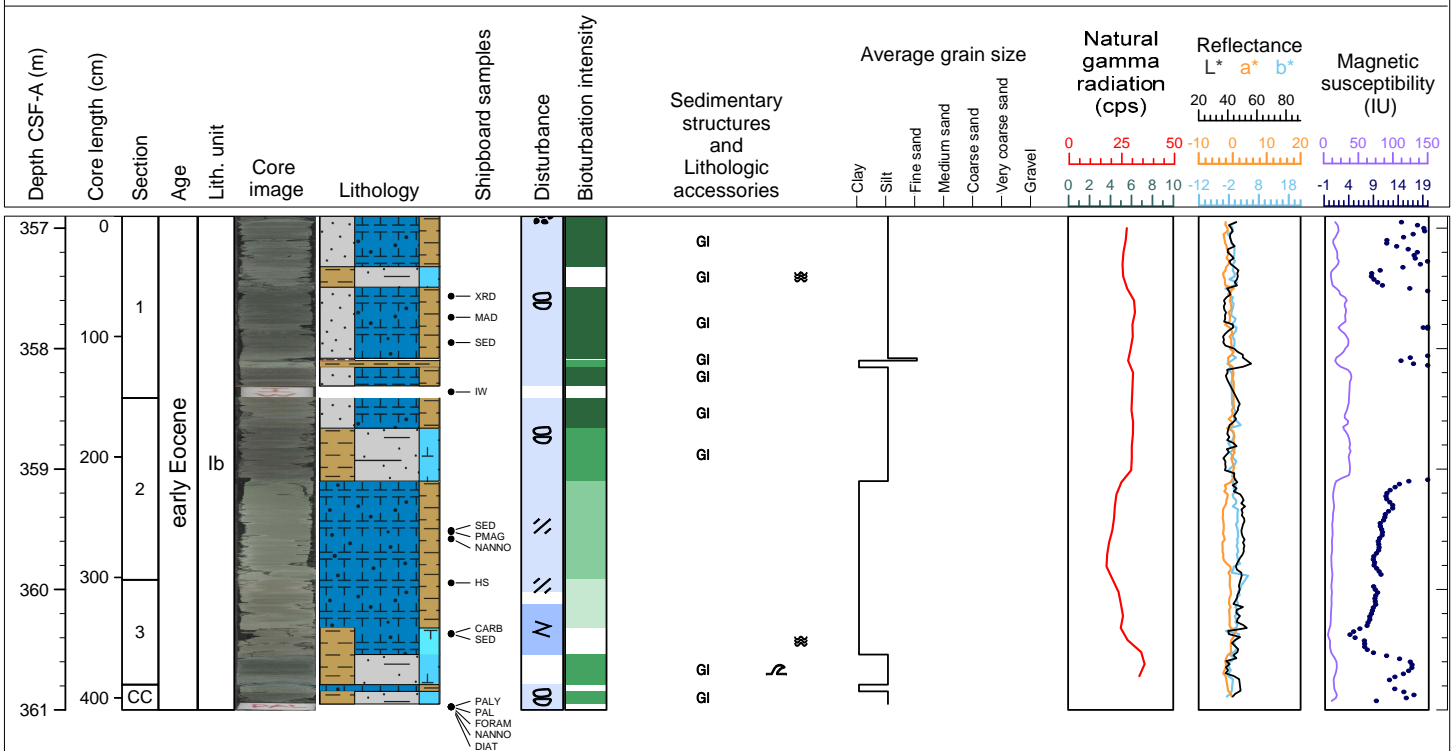
Hole 392-U1581B Core 8R, Interval 347.2-351.49 m (CSF-A)

Core U1581B-8R consists of greenish gray silt and clay to greenish gray clay with a brown tint. The greenish gray silt intervals are mottled and the clay intervals are massive. In Section 2 (71-110 cm) there is a laminated silt interval that is folded. Most of the core is moderately bisected by drilling.



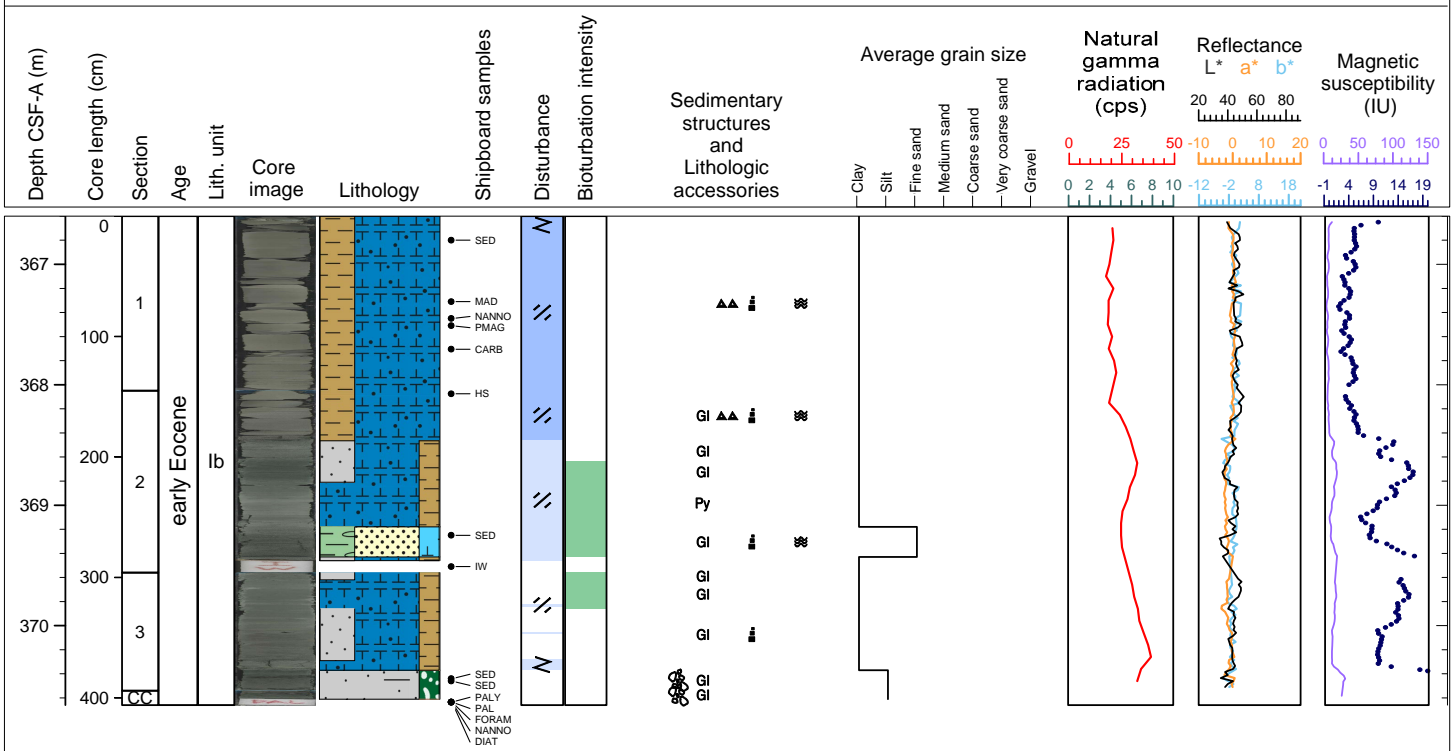
Hole 392-U1581B Core 9R, Interval 356.9-361.0 m (CSF-A)

Core U1581B-9R consists of greenish gray silty nannofossil chalk with clay to clayey silt with nannofossils. Bedding is generally massive or mottled. A few well-defined Planolites burrows infilled with darker sediment are present in Section 2 (72-82 cm). In Section 3 (40-62 cm) is a thinly laminated interval of clayey nannofossil chalk with foraminifera. Drilling disturbance ranges from slightly fractured to moderately bisected.



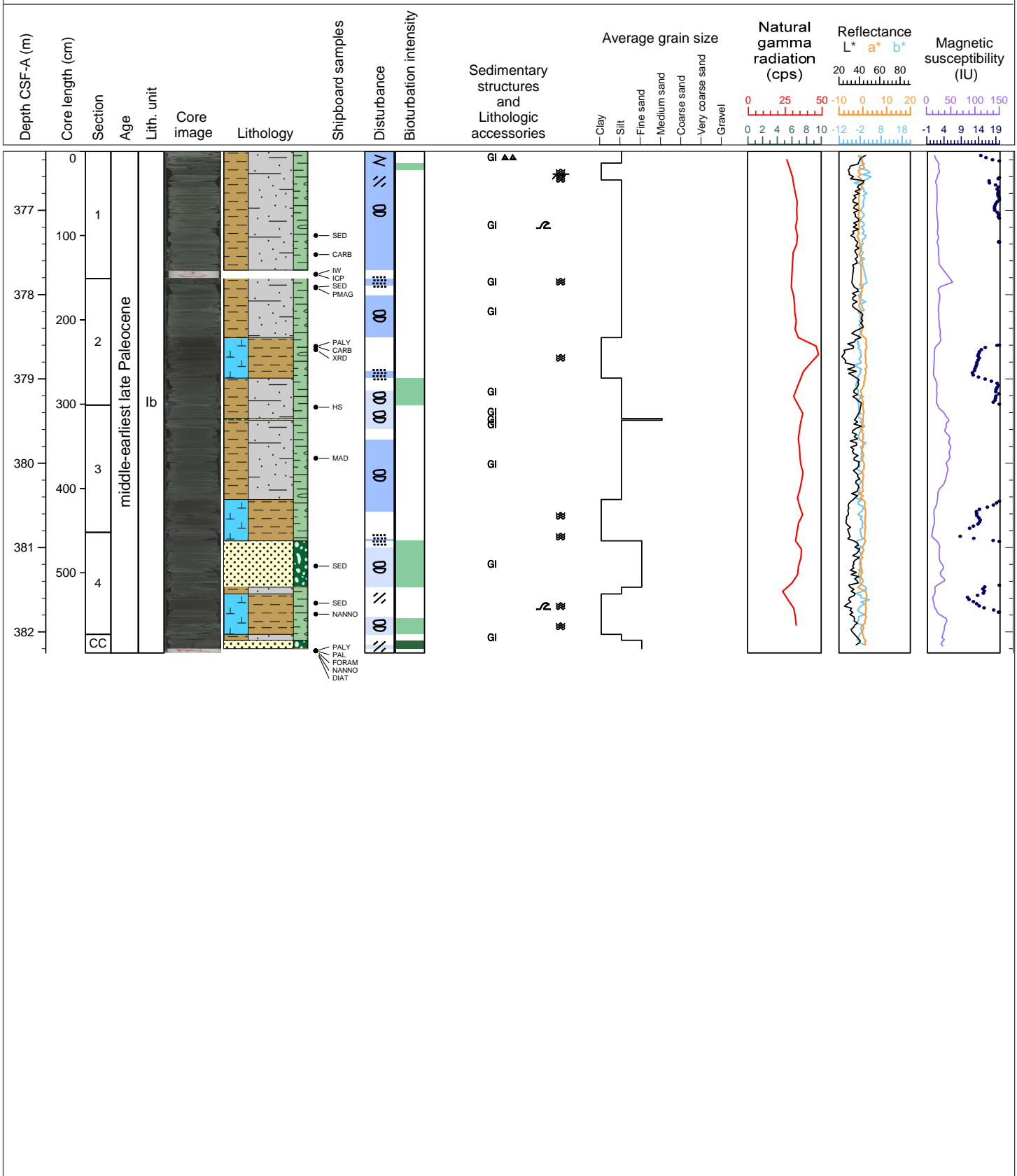
Hole 392-U1581B Core 10R, Interval 366.6-370.66 m (CSF-A)

Core U1581B-10R consists of greenish gray clayey nannofossil chalk to silty nannofossil chalk with clay with some intervals of nannofossil chalk with clay. There are three fining upward packages with glauconite-rich massive medium to fine sand at base grading into laminated silt from top of Section 1 to Section 2; 0-41.5 cm; Section 2; 113-138 cm; and Section 3, 30-73 cm. The fining upward layer at Section 2, 113-138 cm, consists of zeolitic sand with nannofossils. There are dark greenish gray intervals made of silt with glauconite in Sections 3 (81-98 cm), and CC (0-7 cm). Bedding is generally mottled or has thin laminae. Chert nodules occur at Section 1, 76 cm, 96-97 cm, and 111-116 cm. Drilling disturbance ranges from slightly to moderately fractured and fragmented.



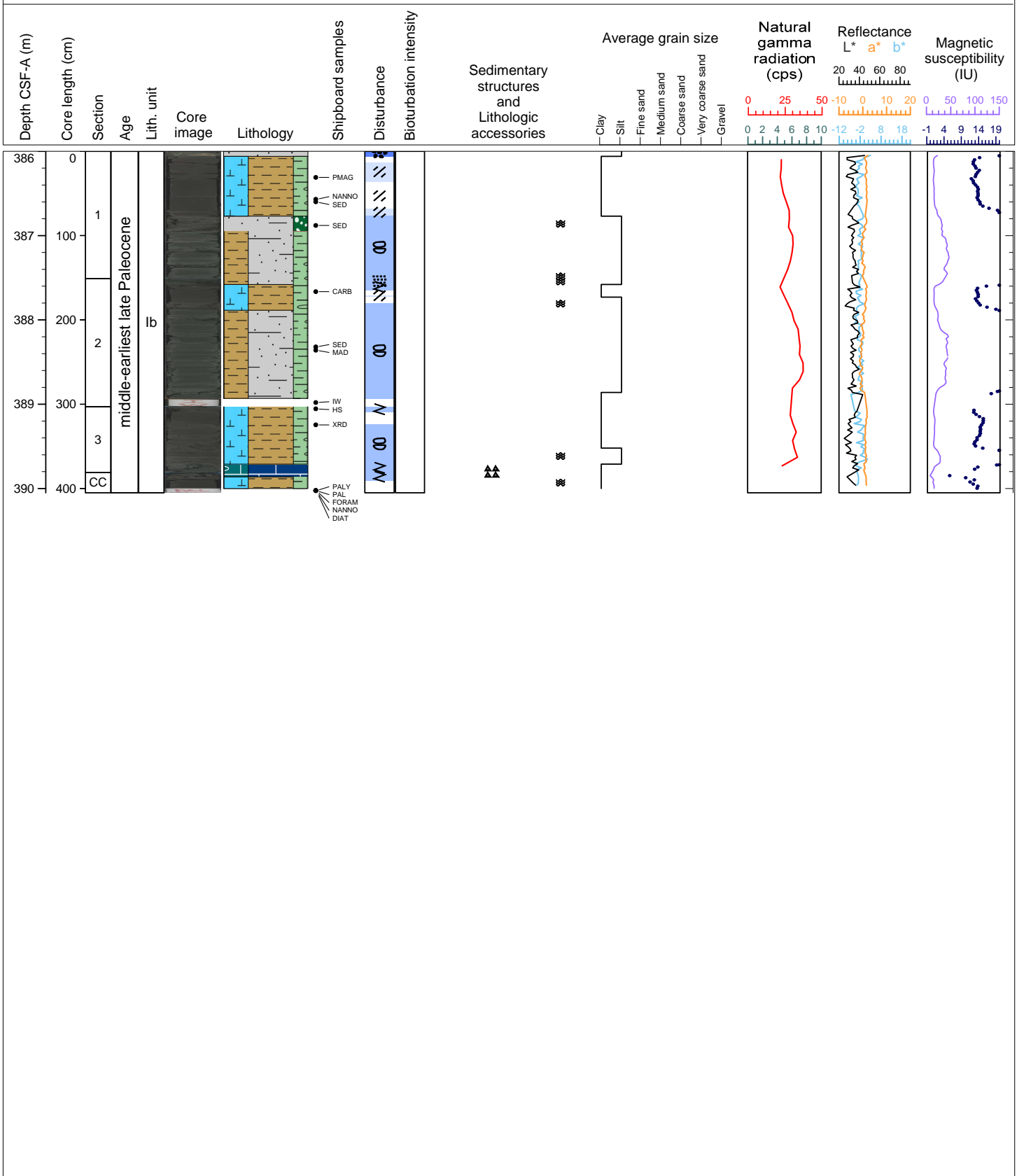
Hole 392-U1581B Core 11R, Interval 376.3-382.25 m (CSF-A)

Core U1581B-11R consists of greenish gray clayey nannofossil chalk to silty nannofossil chalk with clay with intervals of greenish black nannofossil rich clay with zeolite in Sections 2 (70-118 cm), 3 (0-10, 112-151 cm), and 4 (72-102 cm). Nannofossil-rich clay intervals are generally marked by thin laminations at the bottom and transition into being massive at the top. Overall, bedding ranges from massive to mottled. Drilling disturbance ranges from slightly to moderately fractured and fragmented.



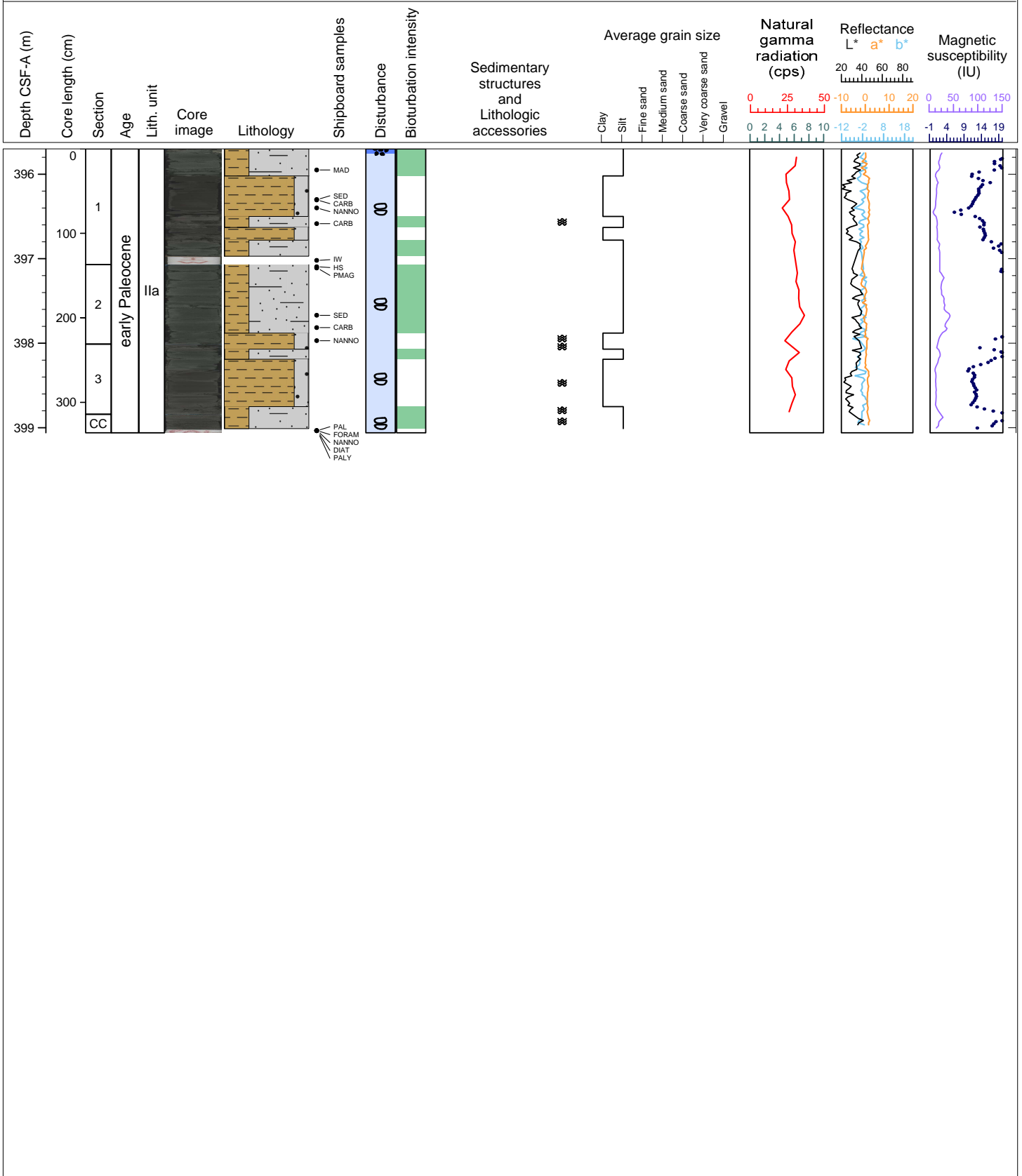
Hole 392-U1581B Core 12R, Interval 386.0-390.05 m (CSF-A)

Core U1581B-12R consists of very dark green and greenish black clayey silt with zeolite and very dark greenish gray nannofossil-rich clay with zeolite. Bedding ranges from massive to finely laminated. There is an interval of silicified limestone that spans from Section 3, 68 cm to Section CC, 5 cm. There is fall-in at the top of Section 1, 0-6 cm. The rest of the core is slightly to moderately disturbed by drilling (fractured, fragmented, biscuited, and pulverized).



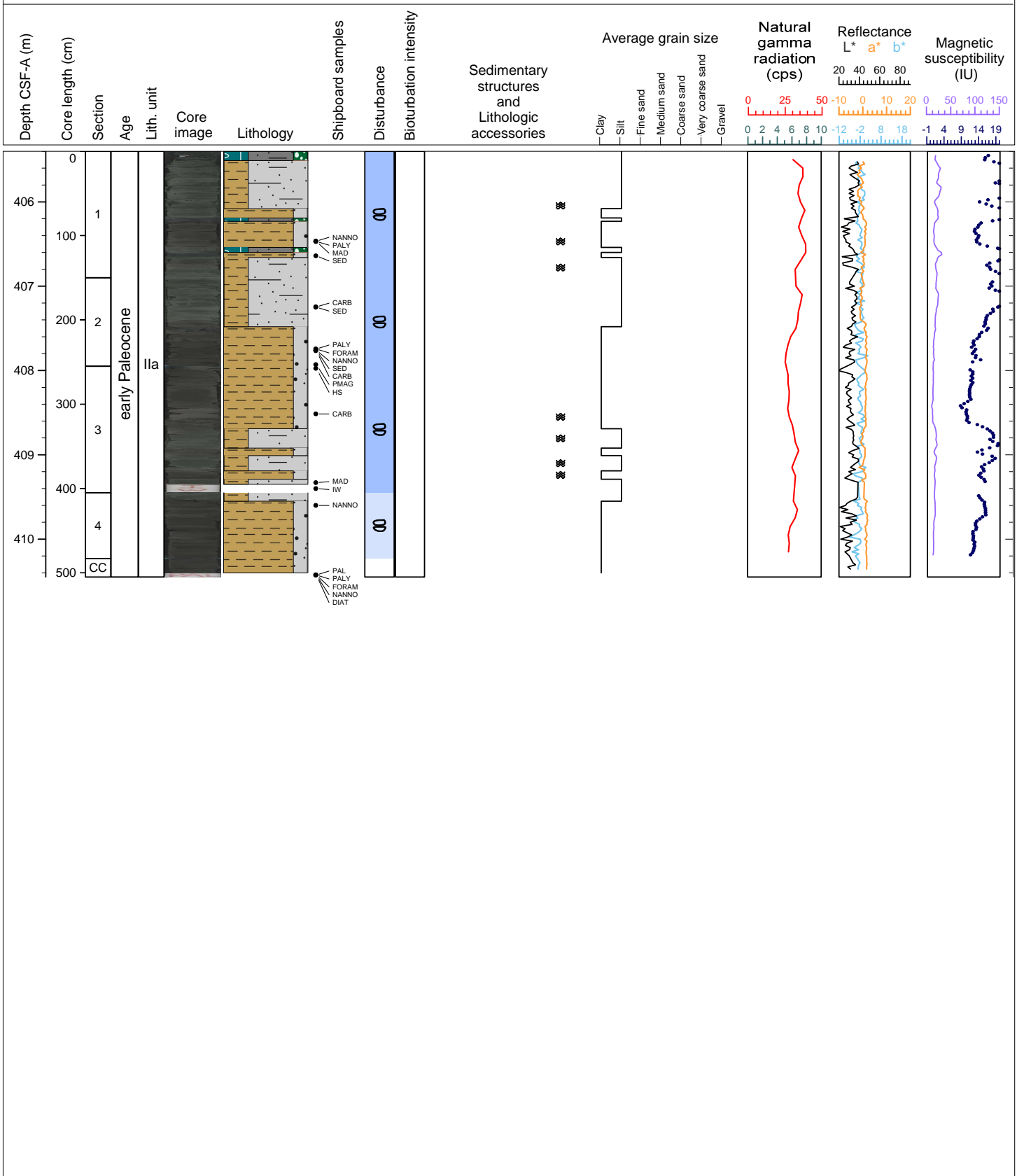
Hole 392-U1581B Core 13R, Interval 395.7-399.06 m (CSF-A)

Core U1581B-13R consists of very dark green clayey silt and greenish black clay with silt. Bedding ranges from massive to laminated, with sparse bioturbation throughout the clayey silt. The top 6 cm of Section 1 contain fall-in and brecciated material, and the rest of the core is slightly biscuited.



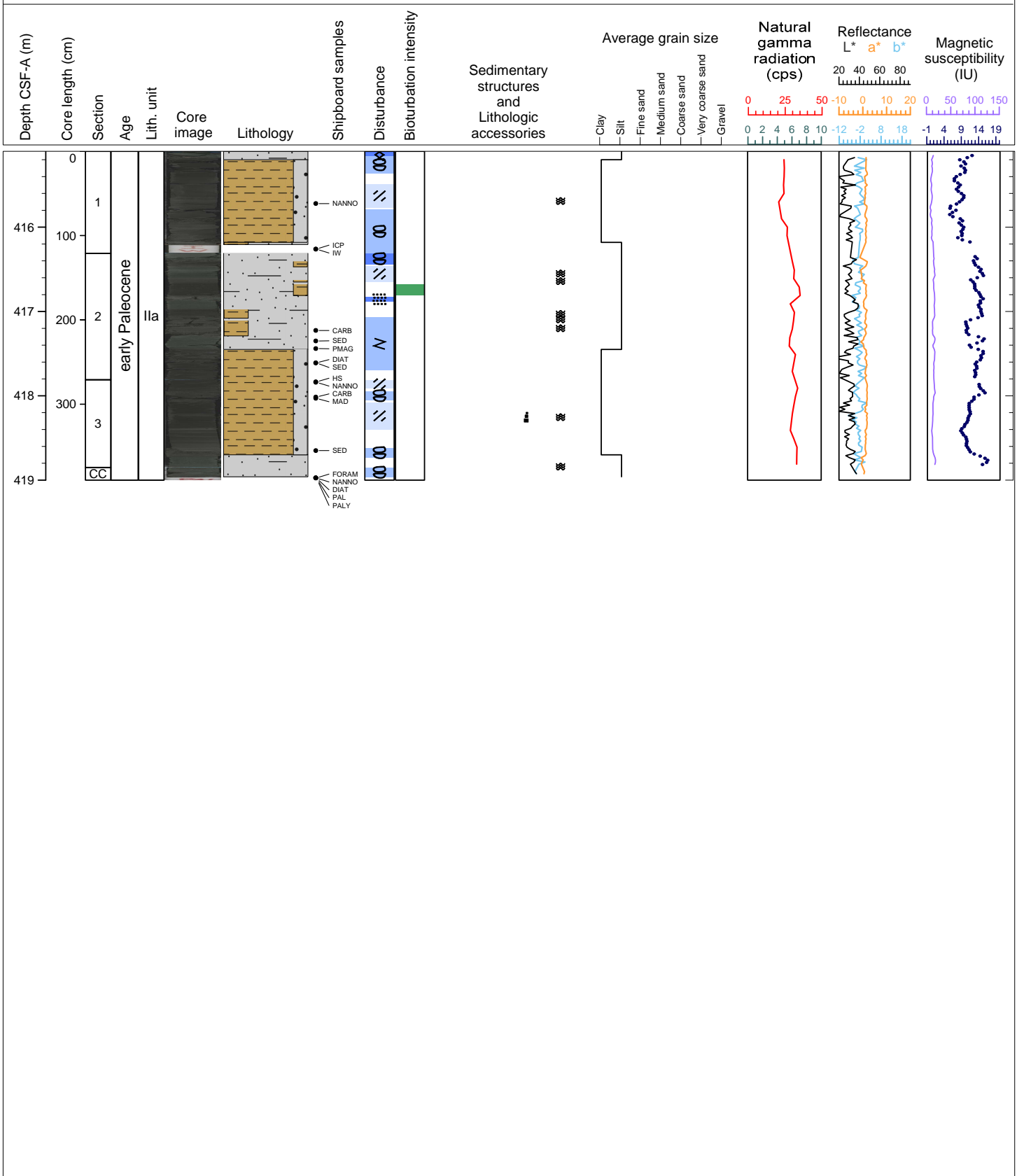
Hole 392-U1581B Core 14R, Interval 405.4-410.45 m (CSF-A)

Core U1581B-14R consists of very dark green clayey silt and black or dark gray clay with silt. Thin to medium beds of greenish black silicified siltstone with glauconite appear in Section 1 (0-11, 79-93, and 114-120 cm). Bedding ranges from massive to thin, medium and thickly laminated. No bioturbation was observed in any of the sections. Boundaries between the different lithologies are sharp, but are often disturbed by drilling. The core is moderately biscuited throughout.



Hole 392-U1581B Core 15R, Interval 415.1-419.0 m (CSF-A)

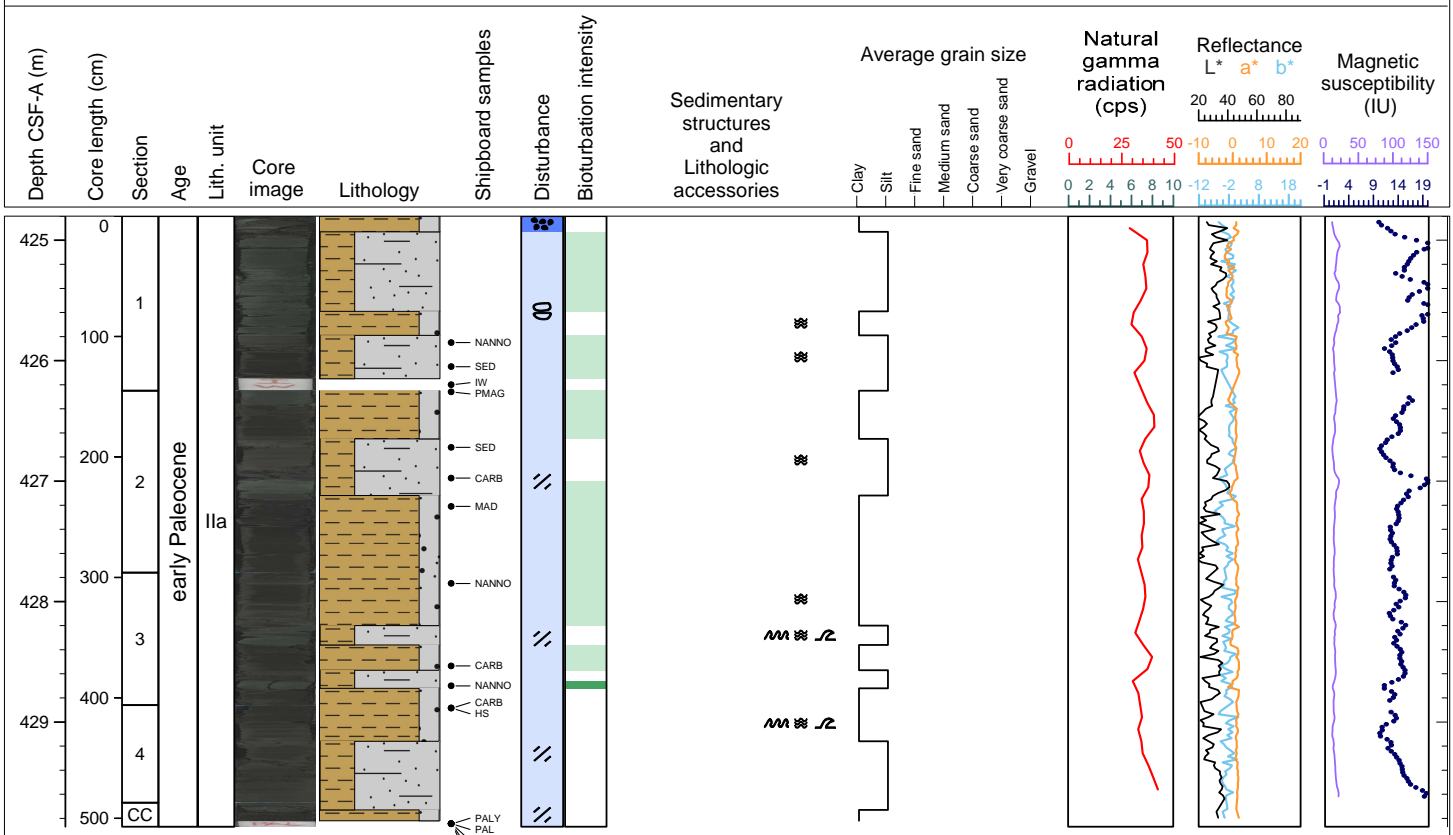
Core U1581B-15R consists of dark greenish gray silt, very dark green silt with clay, and black or dark gray clay with silt in Sections 1, 2 and 3. Normal grading is present in Section 3 (0-89 cm) with silt grading into clay. Bedding throughout the core is either massive or thin laminated. Bioturbation was only observed in Section 1 (37-50 cm). Drilling disturbance ranges from slight to severe (fractured, fragmented, biscuited, brecciated and pulverized).





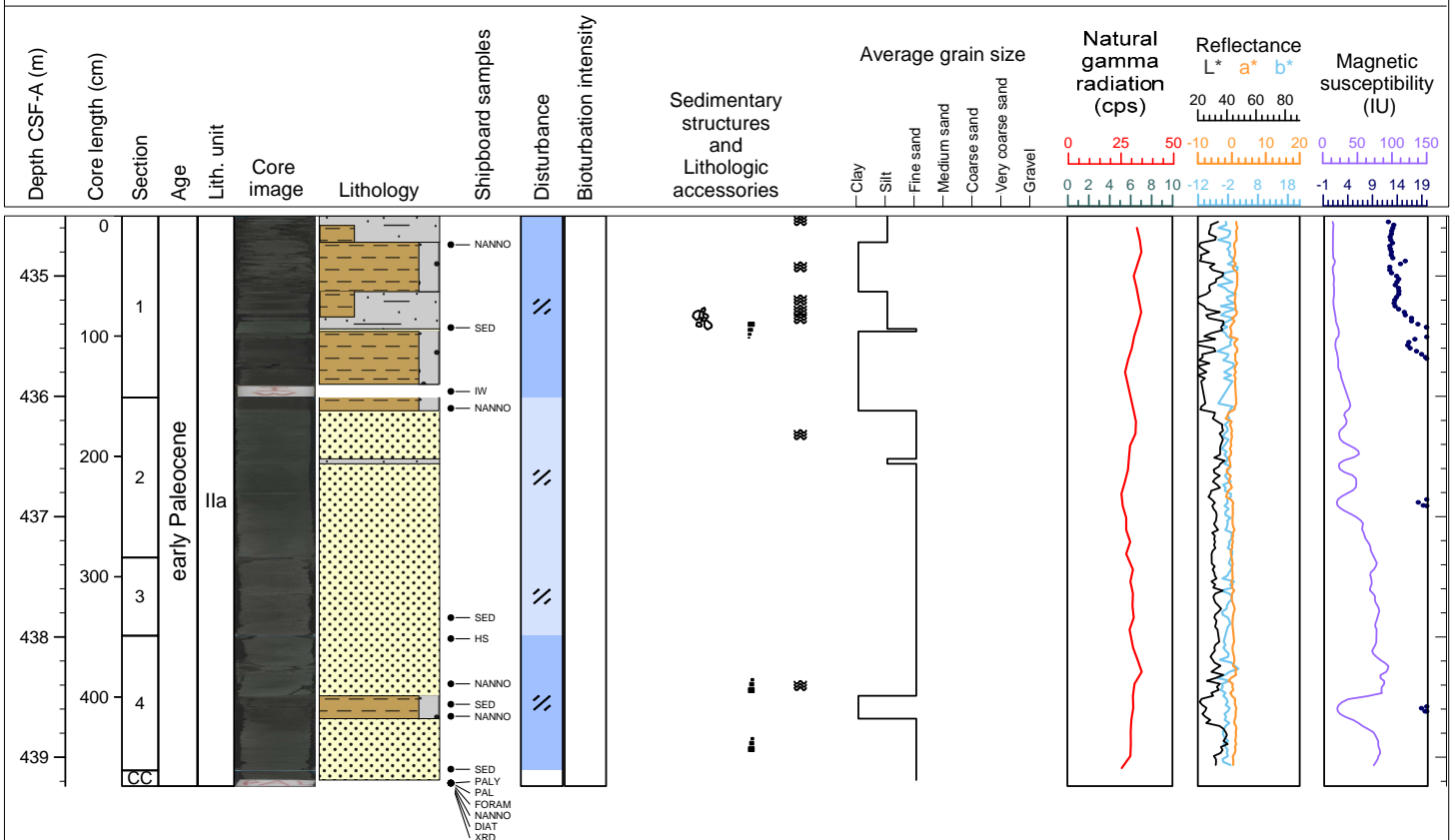
Hole 392-U1581B Core 16R, Interval 424.8-429.87 m (CSF-A)

Core U1581B-16R consists of dark greenish gray clayey silt and greenish black clay with silt. Bedding ranges from massive to laminated, with occasional sparse bioturbation. Thin laminations are present in the greenish black clay with silt in Sections 2 (40-75 cm), 3 (44-60 cm) and 4 (0-30 cm). In Sections 3 and 4, the laminations are overturned by soft-sediment deformation in short (~5 cm) intervals. The top 13 cm of Section 1 contains fall-in, and the rest of the core is slightly biscuited and fractured.



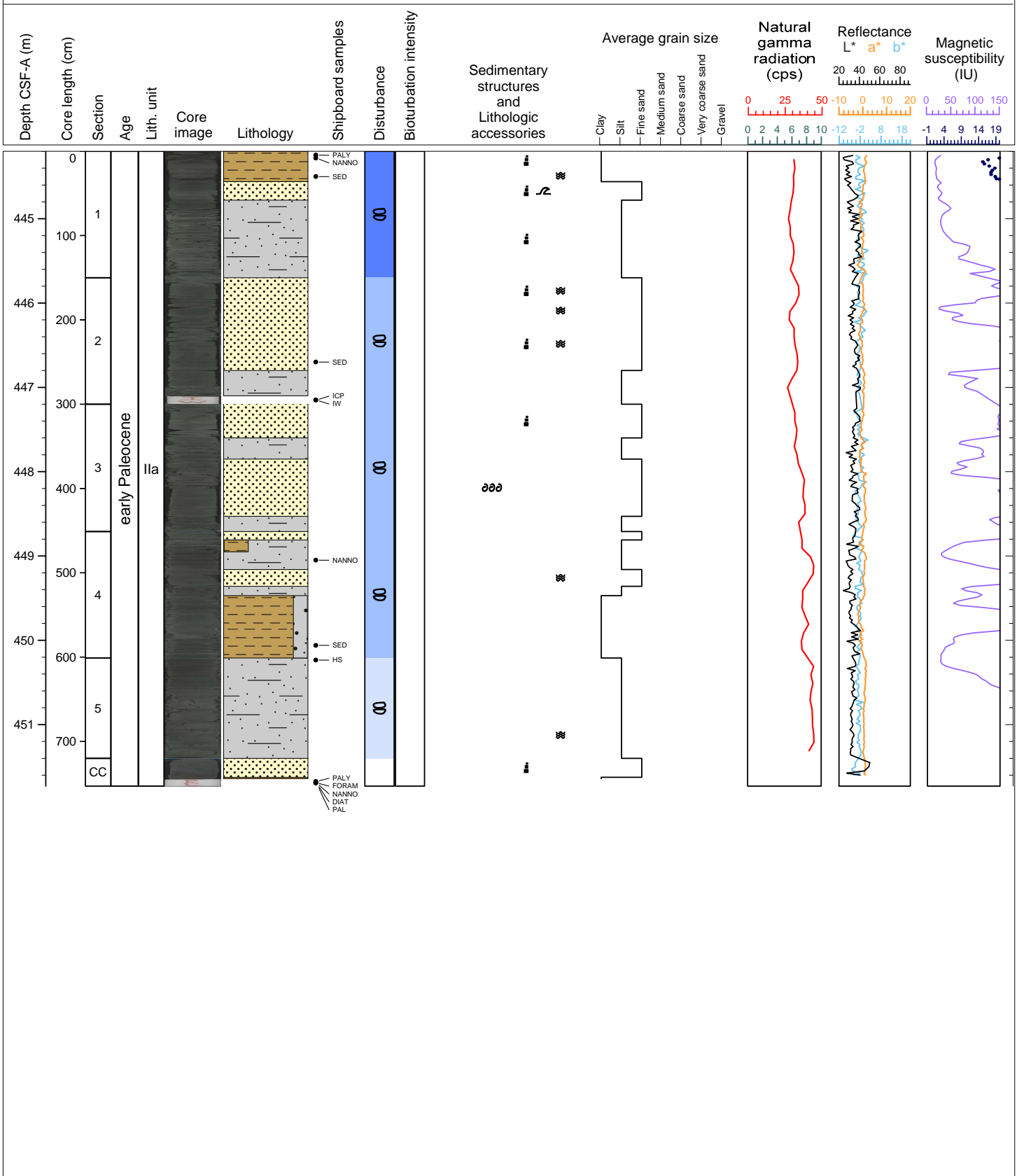
Hole 392-U1581B Core 17R, Interval 434.5-439.24 m (CSF-A)

Core U1581B-17R consists of dark greenish gray clayey silt, very dark gray or black clay with silt and dark greenish gray fine sand. Bedding is massive or laminated with thin, medium or thick lamina. Both normal and reverse grading are observed. Boundaries between different lithologies are sharp or disturbed by drilling. Bioturbation is absent. The core is fractured throughout, with the intensity of fractures ranging from slight to severe.



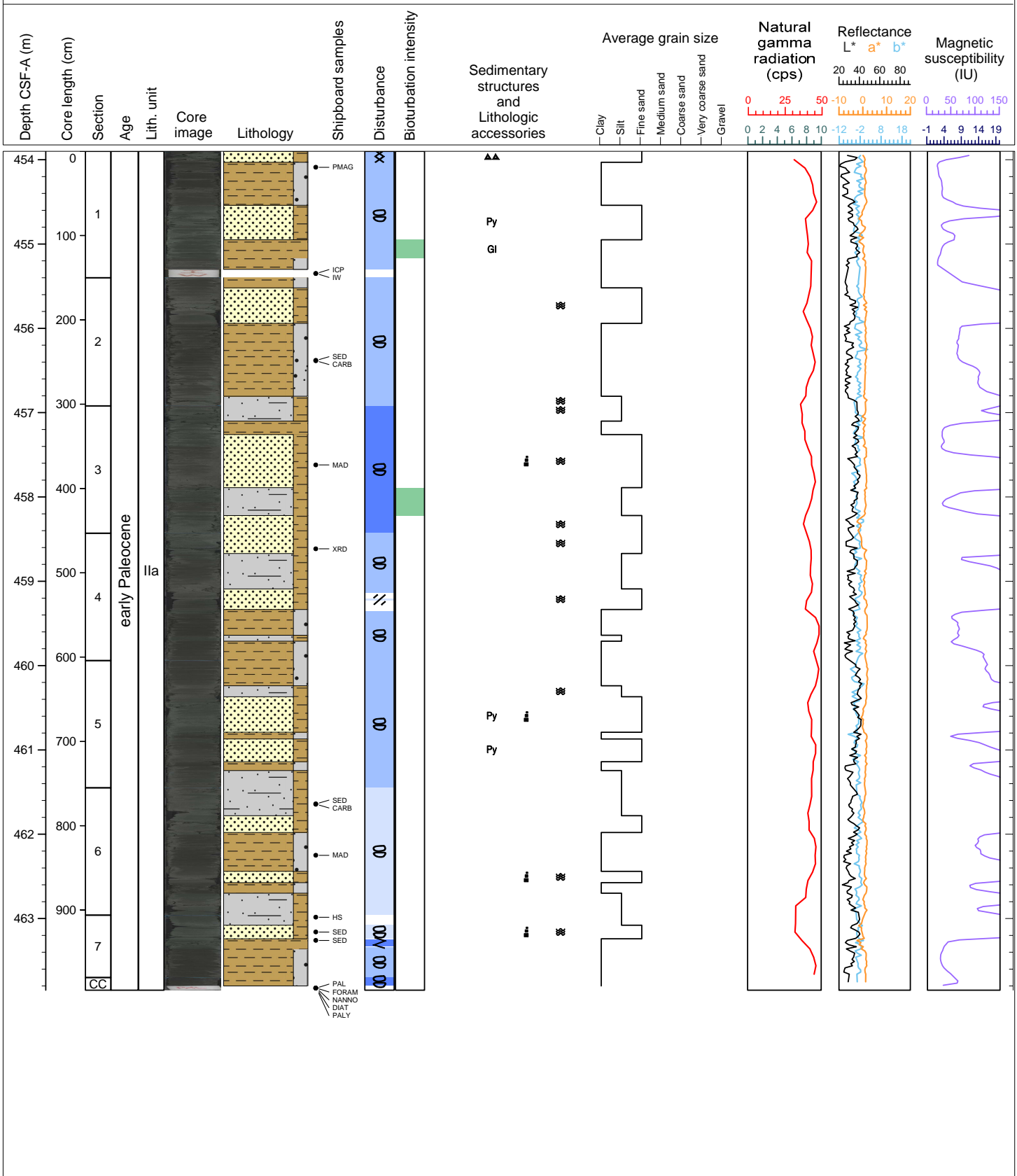
Hole 392-U1581B Core 18R, Interval 444.2-451.73 m (CSF-A)

Core U1581B-18R consists of dark greenish gray and black fine sand, silt, and clay. Bedding ranges from massive to thinly laminated and bioturbation is sparse to absent throughout. In Section 2 (0-31 cm) there is a distinct fining upward interval from medium sand at the bottom to silt at the top. Drilling disturbance ranges from slight to severe (fractured and biscuited).



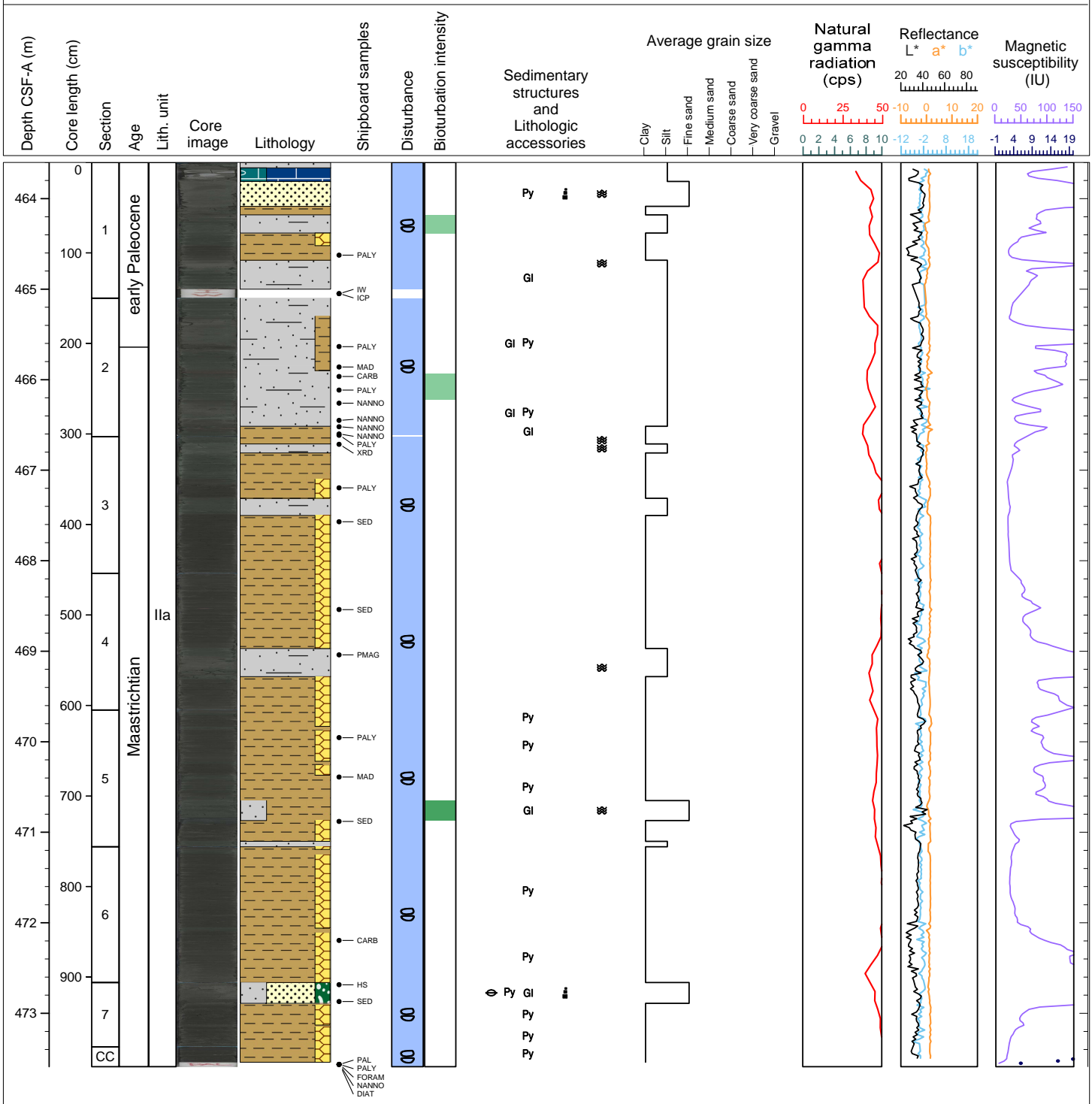
Hole 392-U1581B Core 19R, Interval 453.9-463.85 m (CSF-A)

Core U1581B-19R consists of greenish gray to black sand, silt, and clay. The black intervals span ~8 to 60 cm and occur about every 0.5-1 m. Bedding is massive to finely laminated with occasional laminations being cross bedded (e.g., Sections 4, 80-88 cm, and 5, 31-35 cm). There well-defined fining upward sequences in Sections 4 (0-24 cm), and 7 (0-28 cm). The core is moderately to severely disturbed by drilling (biscuited, fractured, and fragmented).



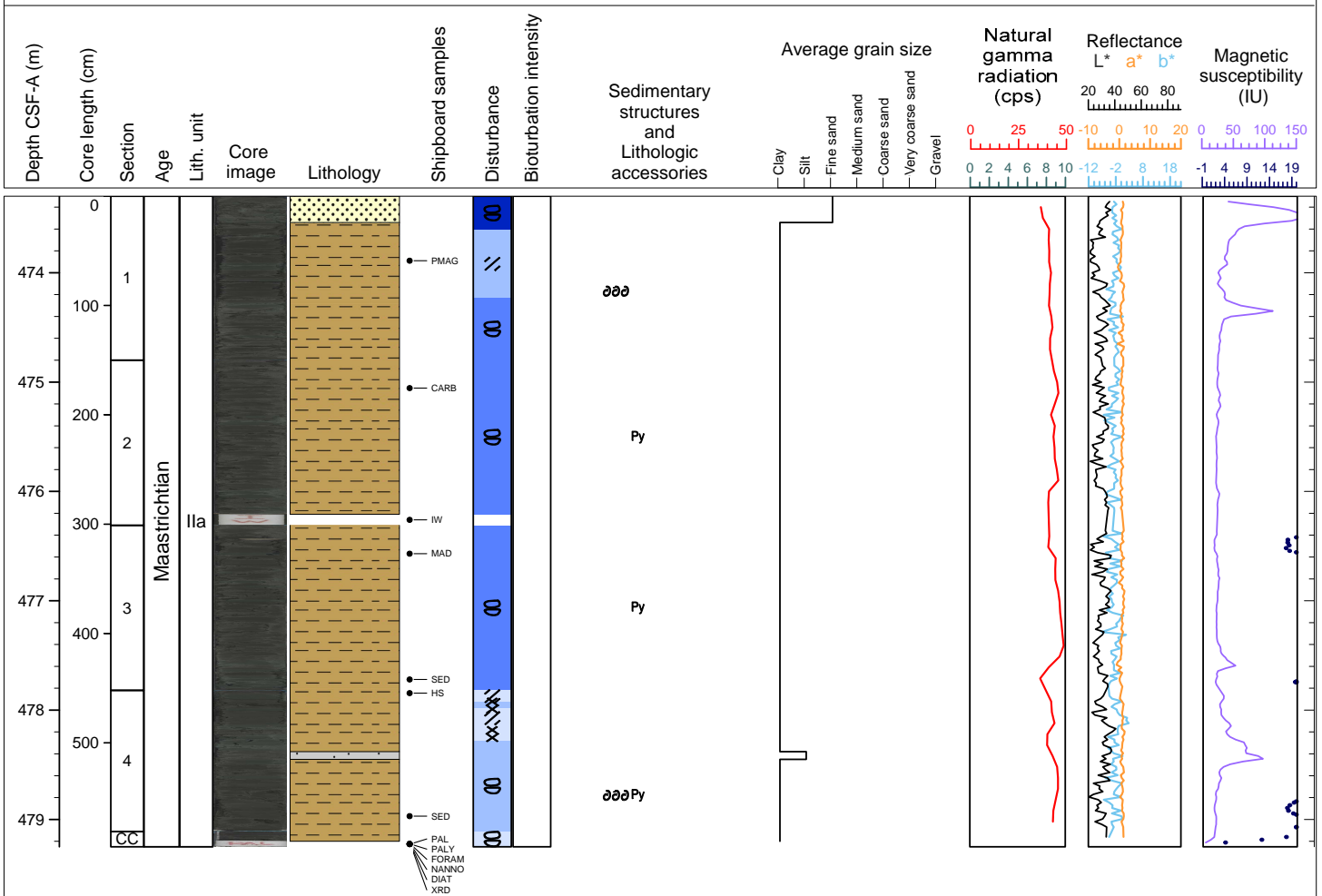
Hole 392-U1581B Core 20R, Interval 463.6-473.59 m (CSF-A)

Core U1581B-20R consists of dark green to black silt, clay, and clay with pyrite. Bedding is generally massive with occasional intervals that are thinly laminated (e.g., Section 5, 100-122 cm). There is a fine sand interval in Section 7, 0-23 cm, that is normally graded and includes abundant inoceramid (bivalve) prisms. There are occasional pyrite nodules (or pyrite replaced clasts) throughout. The entire core is moderately biscuited.



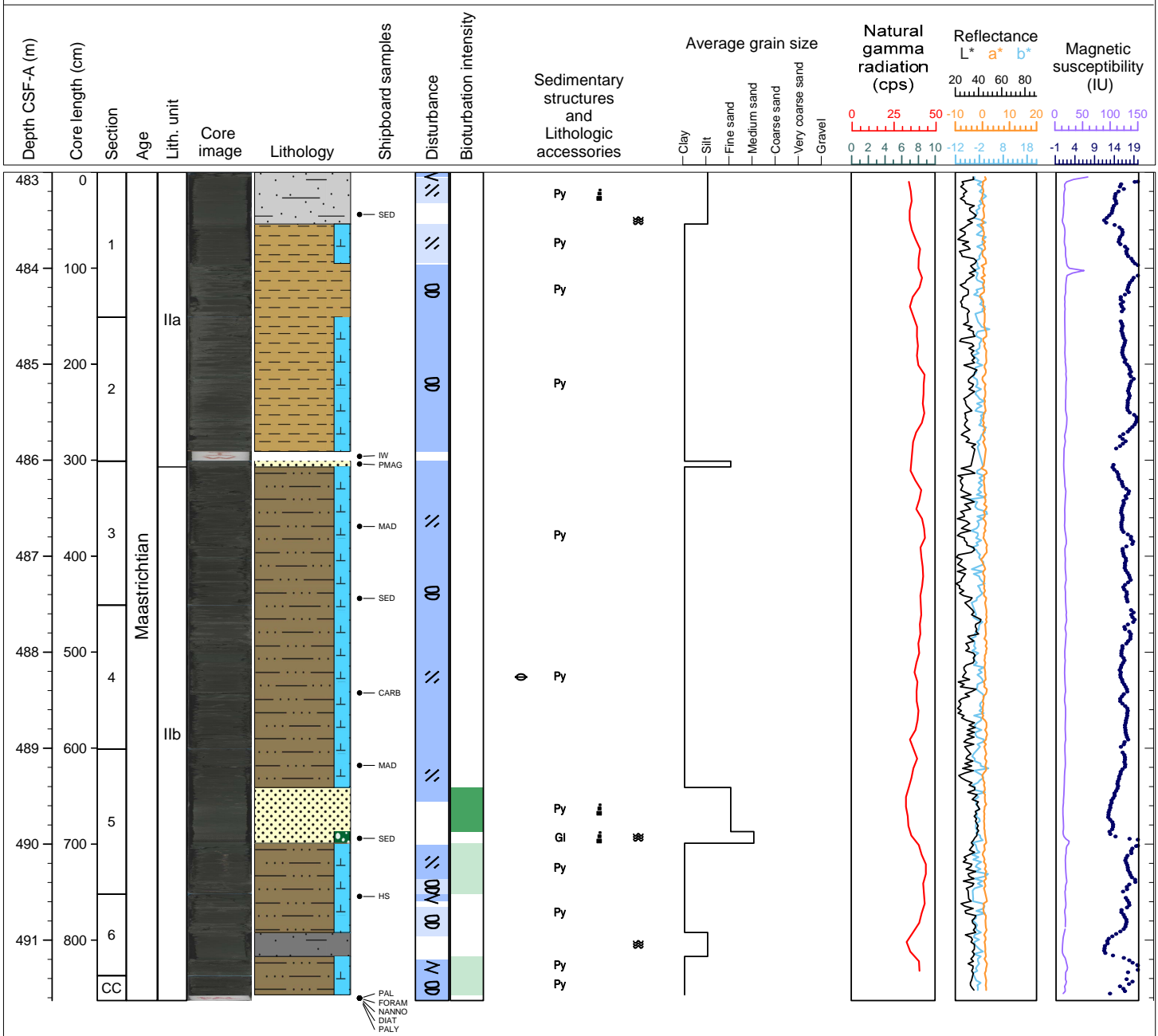
Hole 392-U1581B Core 21R, Interval 473.3-479.25 m (CSF-A)

Core U1581B-21R largely consists of color banded dark greenish gray to black clay that occasionally contains nannofossils. There is an interval with fine sand in Section 1, 0-24 cm, and an interval of silt in Section 4, 56-63 cm. Shell fragments are noted in Section 1, 61-63 cm, and in Section 4. In Sections 3 and 4 there are pyrite nodules of up to 2 cm in diameter. The entire core is moderately biscuited and is fractured in places.



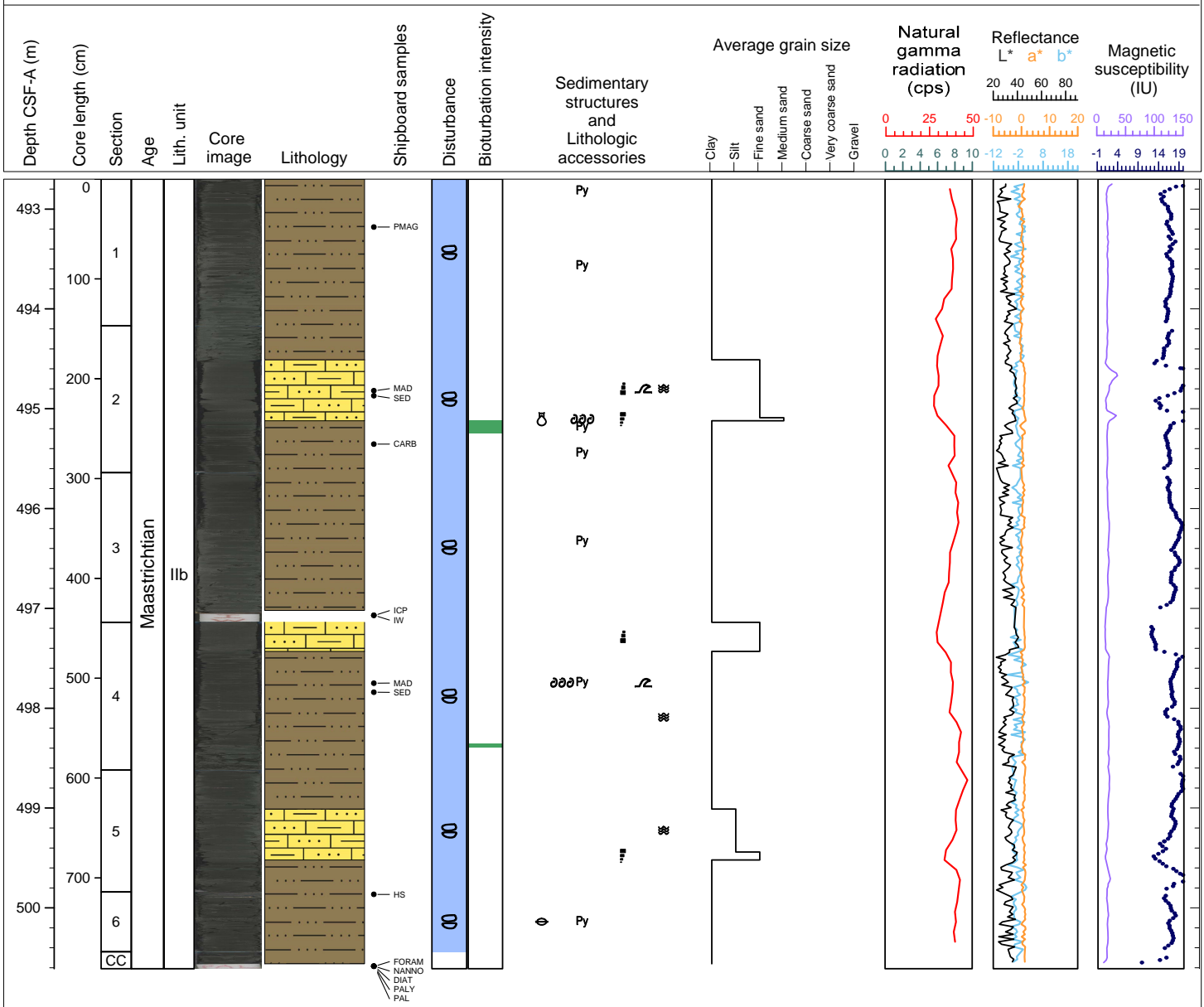
Hole 392-U1581B Core 22R, Interval 483.0-491.63 m (CSF-A)

Core U1581B-22R largely consists of color banded dark greenish gray to black clay that occasionally contains nannofossils. There are normally graded intervals in Section 1 (0-47 cm) and Section 5 (40-86 and 86-98 cm). The normal graded interval in Section 5, 86-98 cm, is made up of medium sand with glauconite. Pyrite nodules are noted in Sections 1 (12-18 and 54-95 cm), 2 (14-20 cm), 4 (6 and 14-17 cm), 5 (98-150 cm), 6 (0-40 and 65-85 cm) and CC (whole section). In Section 5, 104-132 cm, there is a pyritized structure and a replaced pyrite clast at 149 cm. Inoceramid fragments are present in Section 4, 50 cm. There is an interval with fine sand in Section 1, 0-24 cm, and an interval of silt in Section 4, 56-63 cm. Shell fragments are noted in Section 1, 61-63 cm. In Sections 3 and 4 there are pyrite nodules that are up to 2 cm in diameter. The core is moderately disturbed by drilling (biscuited, fractured, and fragmented).



Hole 392-U1581B Core 23R, Interval 492.7-500.61 m (CSF-A)

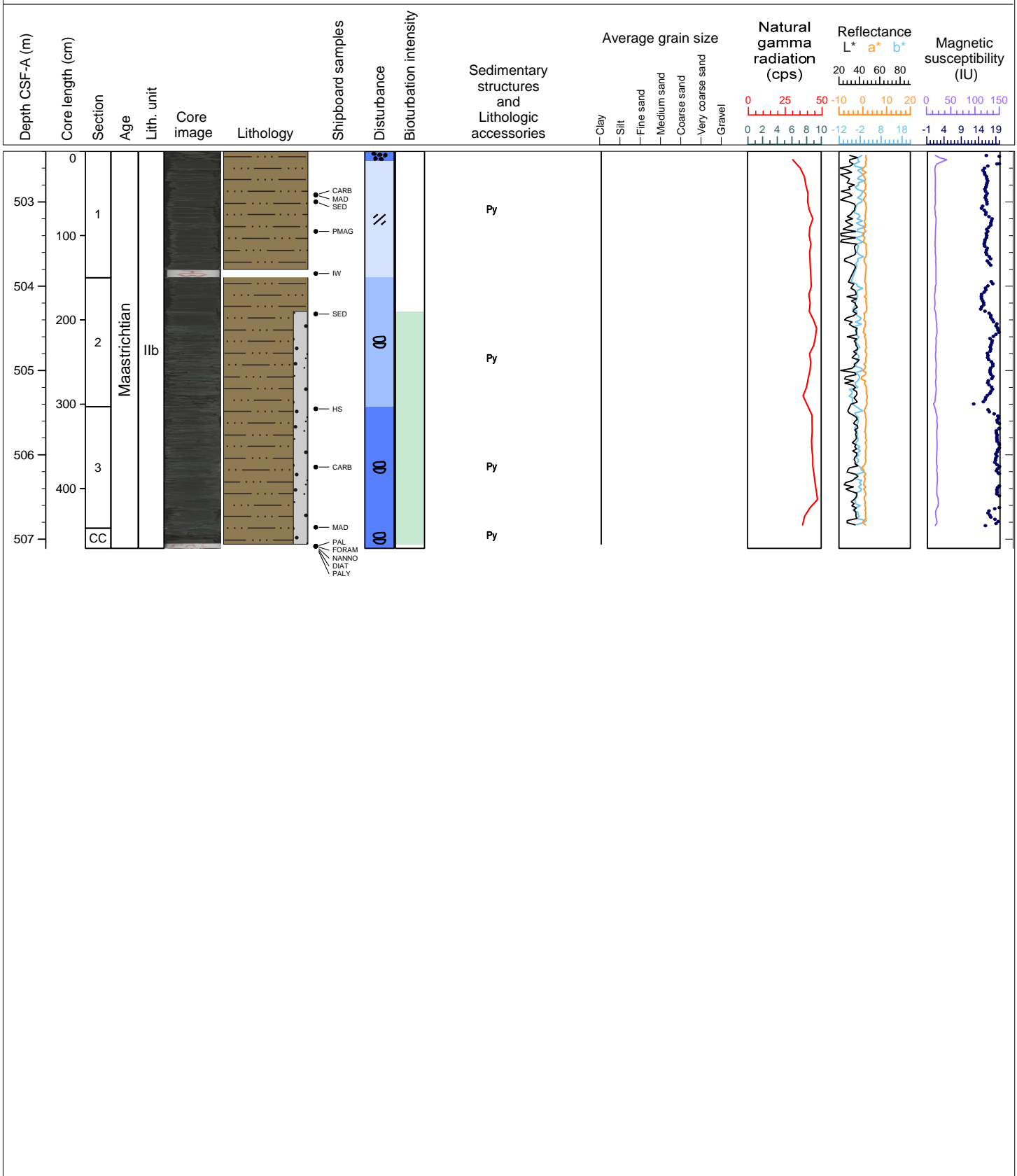
Core U1581B-23R consists of massive, thinly laminated and color banded dark greenish gray siltstones and fine- to medium-grained sandstones and very dark greenish gray massive claystones. Slightly inclined bedding or low angle cross bedding is seen in a medium laminated silt layer in Section 5, 39-80 cm. A well-preserved inoceramid (bivalve) shell is present in Section 6, 6 cm. Shell fragments of bivalves (possibly inoceramids) are abundant in a thin bed of medium-grained sand in Section 2, 90-95 cm, and are scattered in Section 4, 39-90 cm. Pyrite nodules several cm in diameter occur in Sections 2 (102-114 cm), 3 (0-85 cm), and 5 (17-20 and 50-57 cm). Bioturbation, when observed, is confined to the top ~2-4 cm of clay layers and is moderate. The entire core is severely to moderately biscuited.





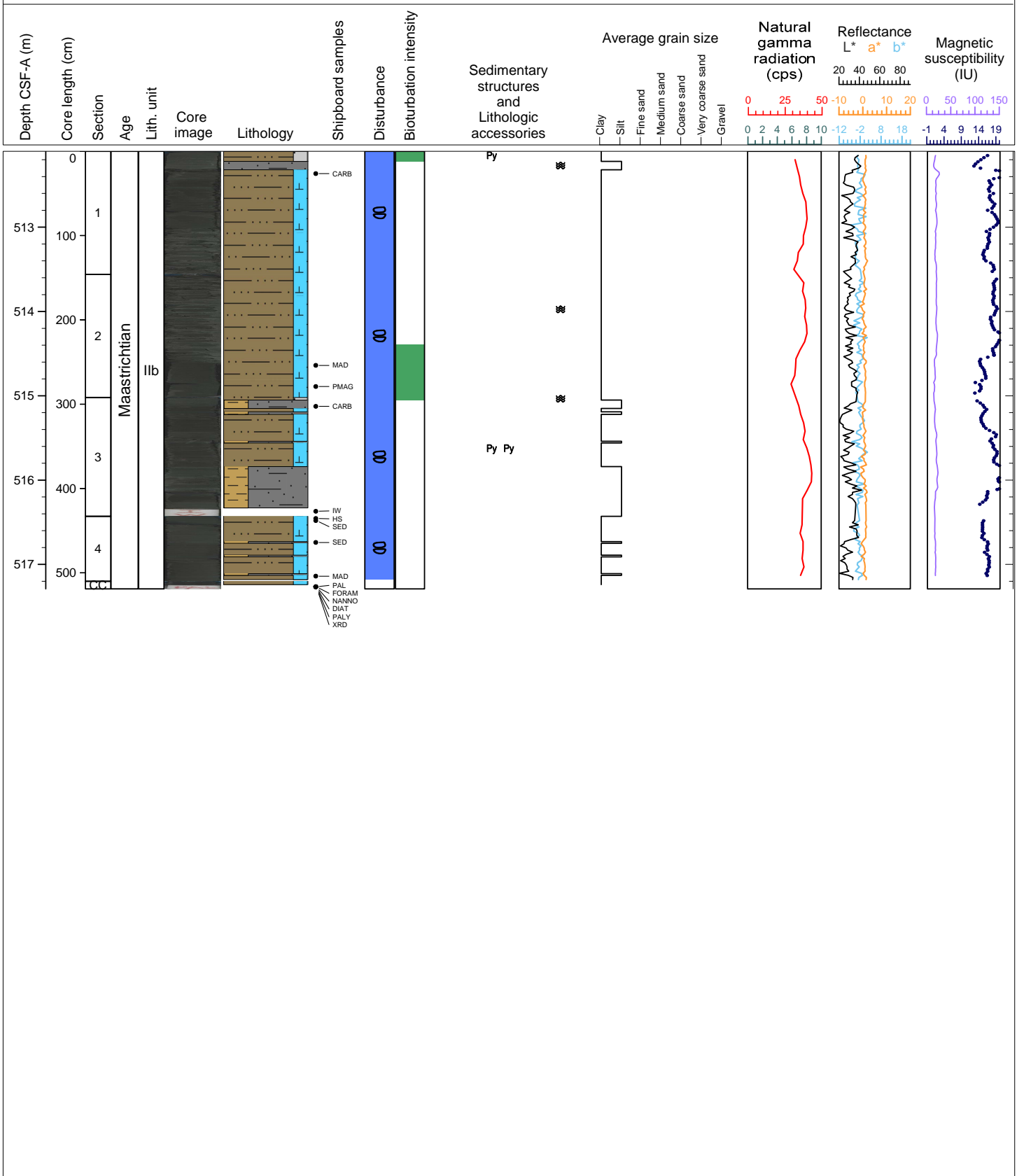
Hole 392-U1581B Core 24R, Interval 502.4-507.11 m (CSF-A)

Core U1581B-24R consists of massive, and color banded very dark greenish gray massive claystones. Sections 2 and 3 contain subtle decimeter-scale color banding, defined by lighter greenish gray slightly silty intervals. Pyrite occurs in sparse mm-scale layers and cm-scale nodules throughout. Bioturbation, when observed, is sparse and confined to the darker, more clay-rich color bands. The entire core is severely to moderately biscuited.



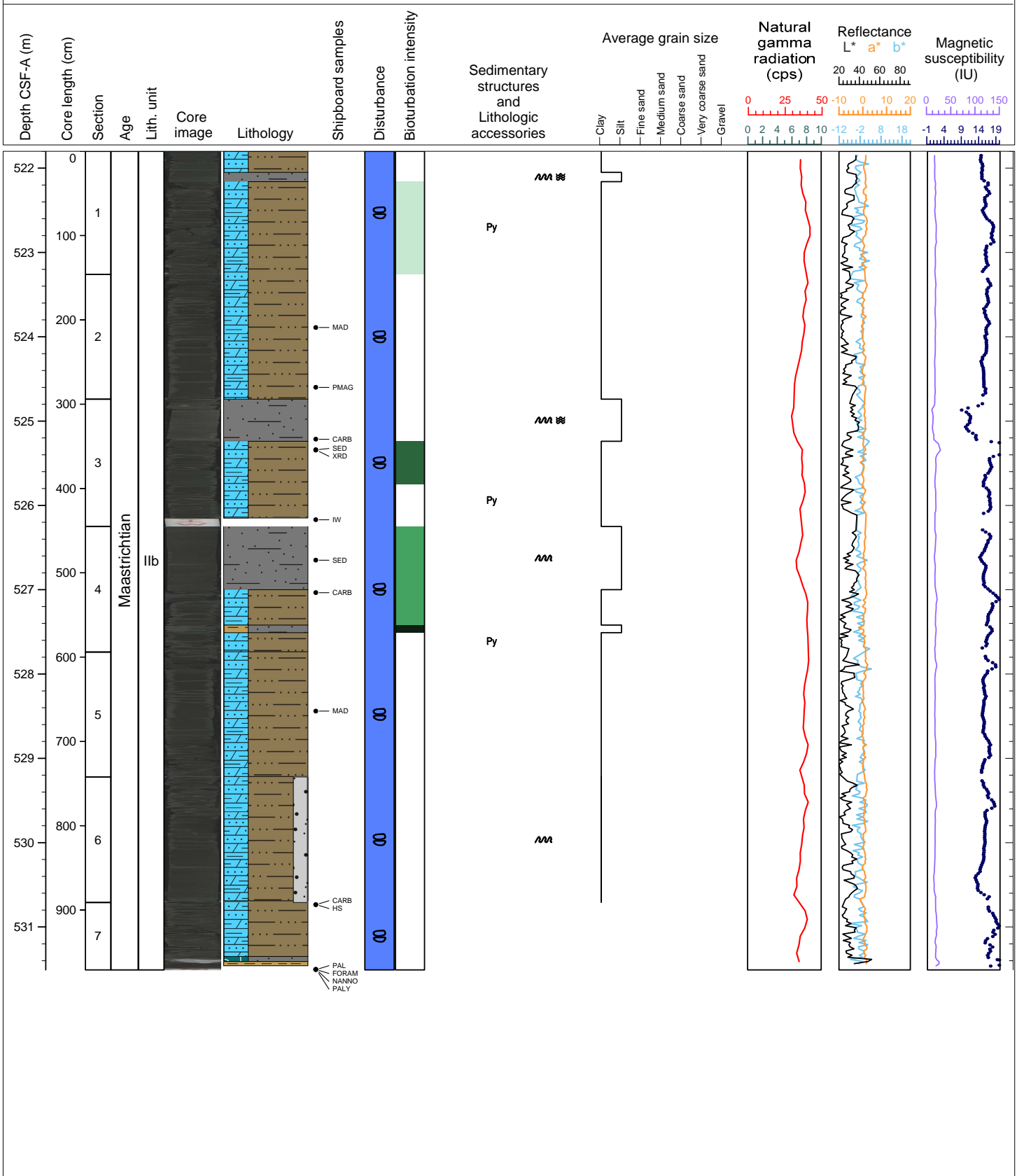
Hole 392-U1581B Core 25R, Interval 512.1-517.29 m (CSF-A)

Core U1581B-25R consists of very dark greenish gray massive or medium- to thinly-laminated claystones with nanofossils and dark greenish gray clayey siltstones. Bioturbation, when observed, is moderate and confined to the darker claystones. A pyrite concretion is found in Section 3, 59 cm. The entire core is severely biscuited.



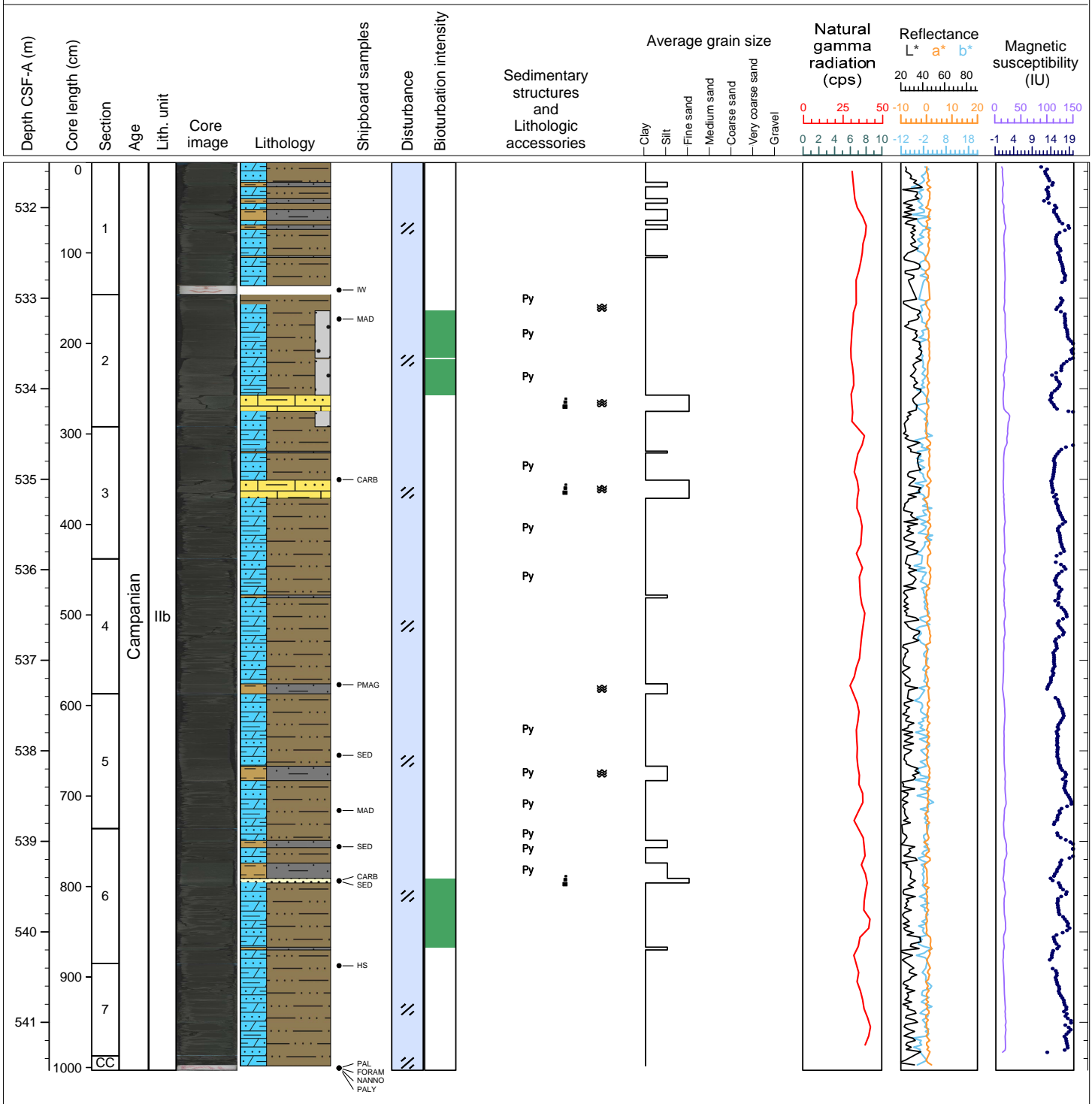
Hole 392-U1581B Core 26R, Interval 521.8-531.51 m (CSF-A)

Core U1581B-26R consists of very dark greenish gray massive or color banded calcareous claystones and dark greenish gray laminated or convolute bedded siltstones. The claystones are color banded with siltstones in Sections 2 (36-146 cm), 3 (50-101 cm), and 4 (117-26 cm). The color banded layers have Zoophycos burrows. Another Zoophycos burrow is present at Section 1, 101 cm. Bioturbation is more common in claystone layers. Pyrite is found in all sections, with prominent patches several mm in diameter occurring in Section 1. The entire core is severely biscuited.



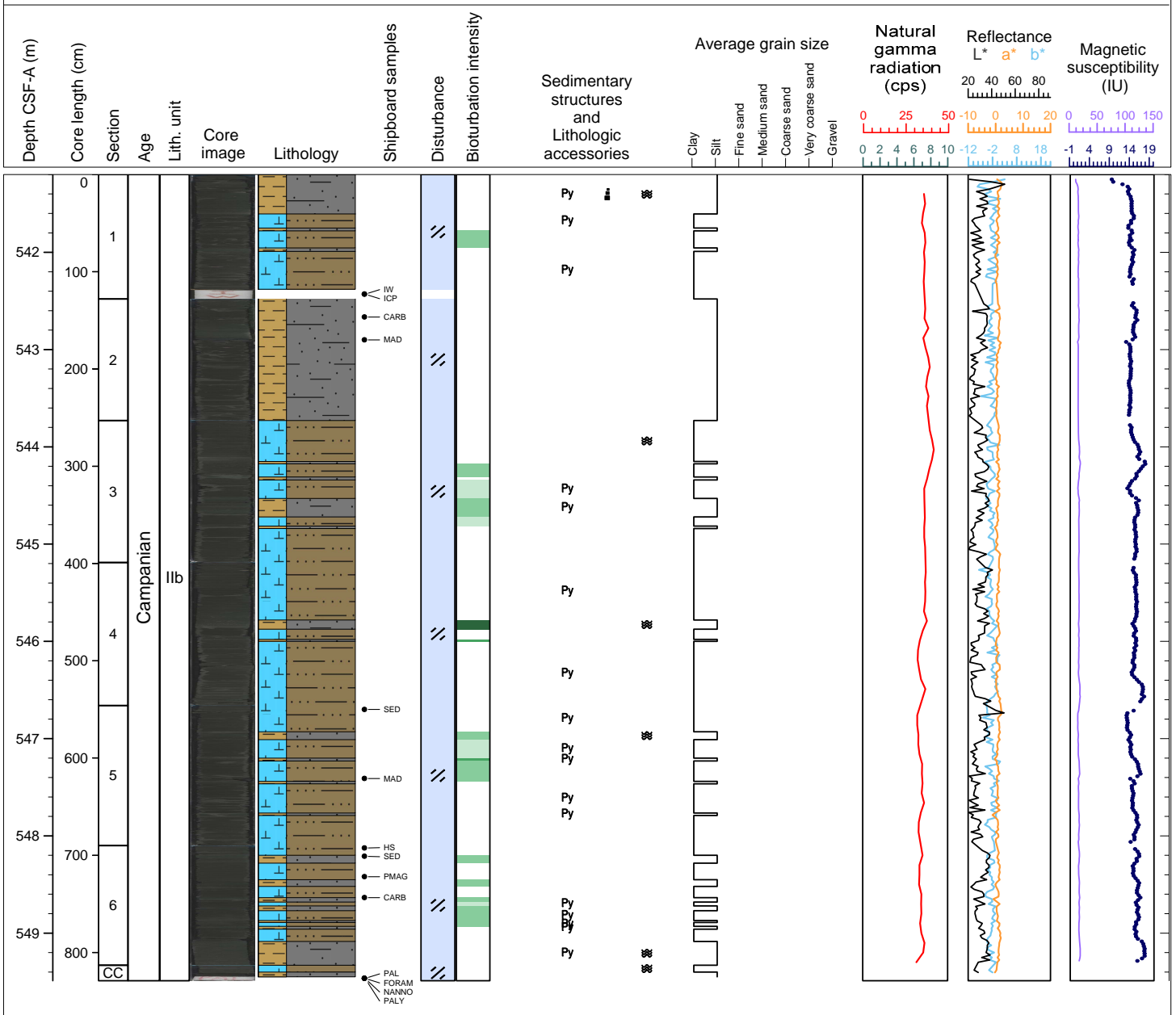
Hole 392-U1581B Core 27R, Interval 531.5-541.53 m (CSF-A)

Core U1581B-27R consists of greenish black calcareous claystone, greenish gray clayey siltstone and greenish gray fine sandstone interbedded at decimeter scale. Fine sandstone only occurs in ~5 cm-thick normally graded beds in Sections 2, 3 and 6. Pyrite occurs as mm to cm-scale nodules throughout and one 1 cm-thick layer in Section 5, 96-97cm. Bioturbation is absent except for discrete intervals of moderate bioturbation in the claystone facies. The entire core is very slightly fractured.



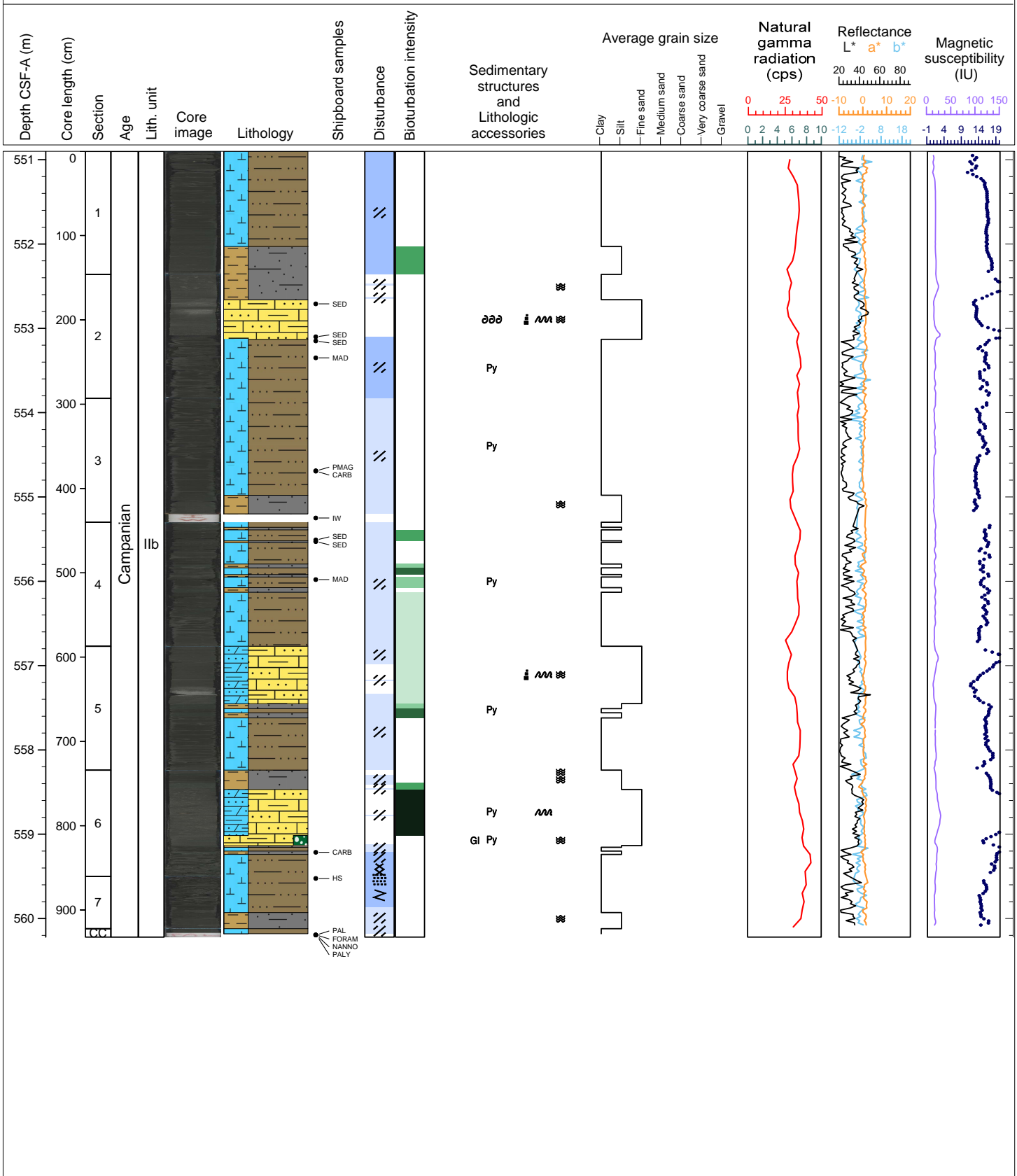
Hole 392-U1581B Core 28R, Interval 541.2-549.49 m (CSF-A)

Core U1581B-28R consists of black nannofossil-rich claystones and dark green clayey siltstones that alternate cyclically. The green intervals are typically ~1-4 cm-thick and occur between black claystone intervals every ~10-40 cm. There are occasional pyrite nodules throughout. In Section 1, 0-41 cm, is a normally graded interval with thin laminations at the bottom. There are also thin laminations in Section 3, 35-42 cm. The entire core is slightly cracked due to drying, disturbance due to drilling is minimal.



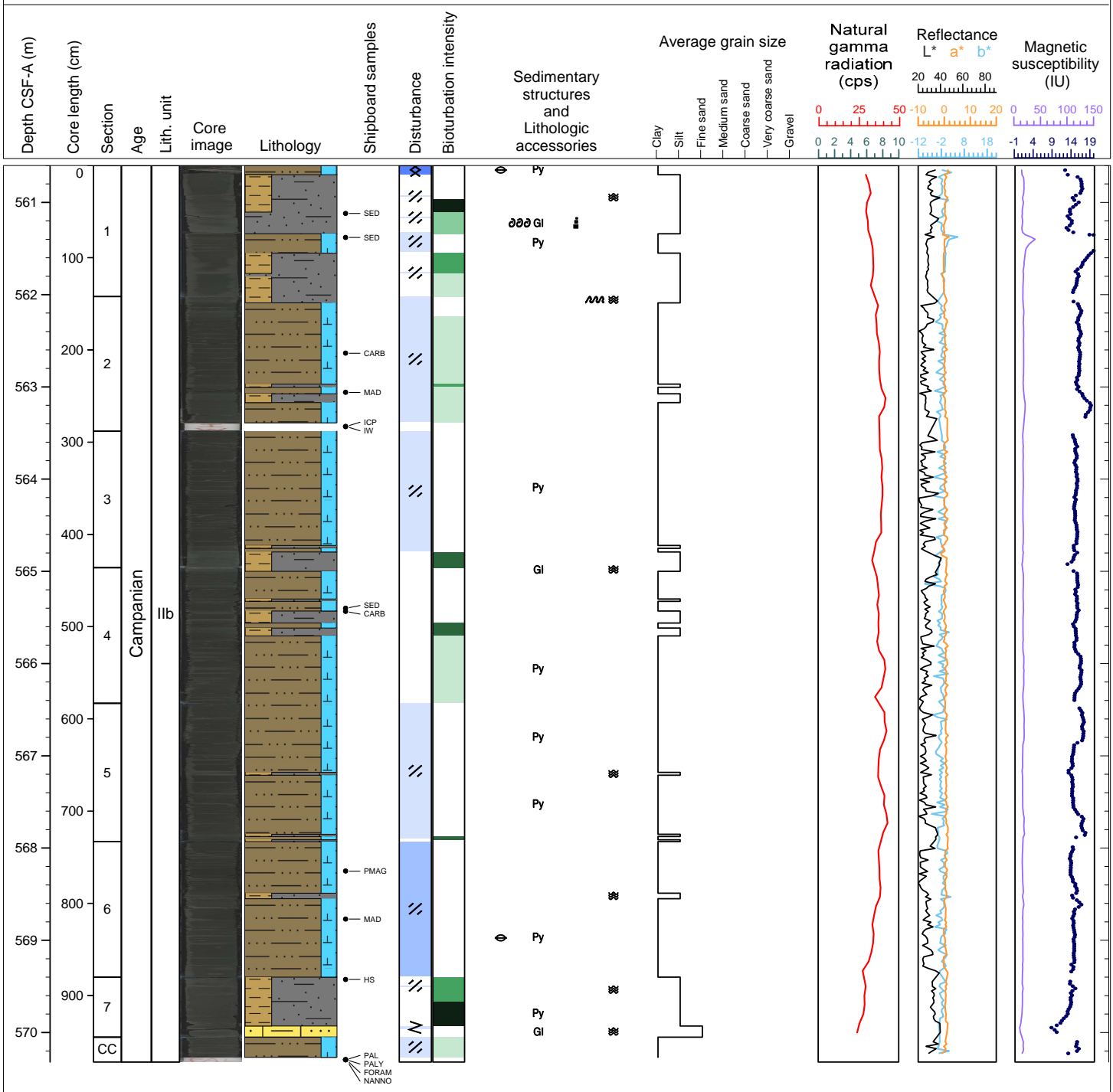
Hole 392-U1581B Core 29R, Interval 550.9-560.22 m (CSF-A)

Core U1581B-29R consists of black nannofossil-rich claystones and dark green clayey siltstones that alternate cyclically throughout most of the core and are occasionally bioturbated. In the cyclic intervals, the green intervals are typically ~1-4 cm-thick and occur between black claystone intervals every ~10-40 cm. Bedding ranges from massive to thinly laminated. There are intervals with white calcareous fine sand laminations in Sections 2 (0-68 cm), and 5 (0-69 cm). The clay intervals are fractured due to drying. In Section 2 there are a thinly laminated fine calcareous sand intervals with convolute laminations at 35-36 cm, 42-45 cm, and 66-68 cm. Convolute laminations are present in Section 5, 51-64 cm. In Section 4, 102-111 cm, there is evidence of an oxidation front. Drilling disturbance ranges from absent to moderately fragmented and pulverized.



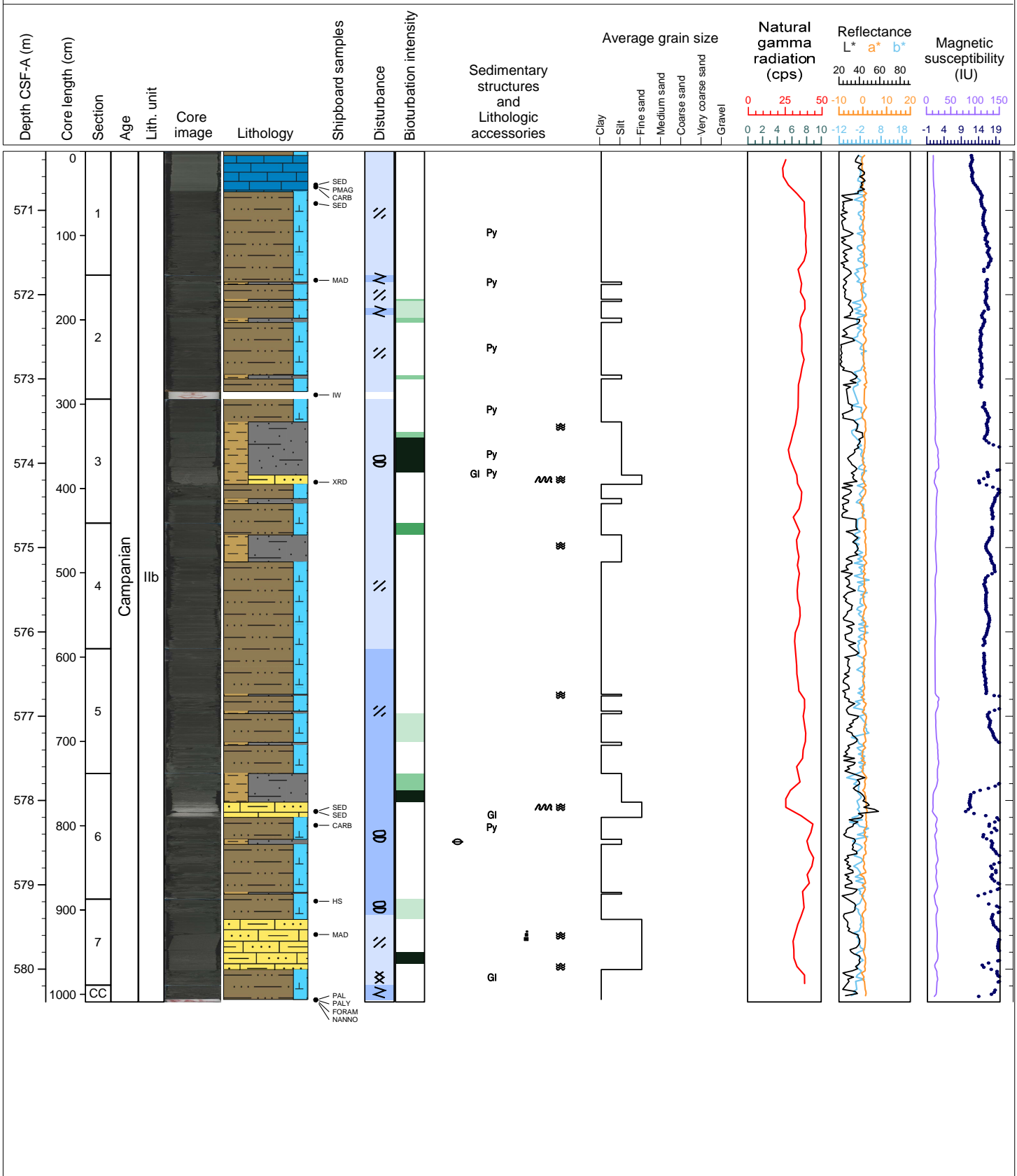
Hole 392-U1581B Core 30R, Interval 560.6-570.32 m (CSF-A)

Core U1581B-30R consists of black nannofossil claystone and dark green clayey siltstone. There is a large (~1 cm-thick) inoceramid in Section 1, 5-8 cm. In Section 1, 50.5-74 cm, there is a normally graded interval. There are several intervals with thin laminations (e.g. Section 2, 0-7 cm, and Section 5, 74-78 cm). There is disseminated and nodules of pyrite throughout. There is a large burrow in Section 7, 15-20 cm. The clay intervals are slightly fractured from drying. Drilling disturbance ranges from absent to moderate and severe



Hole 392-U1581B Core 31R, Interval 570.3-580.39 m (CSF-A)

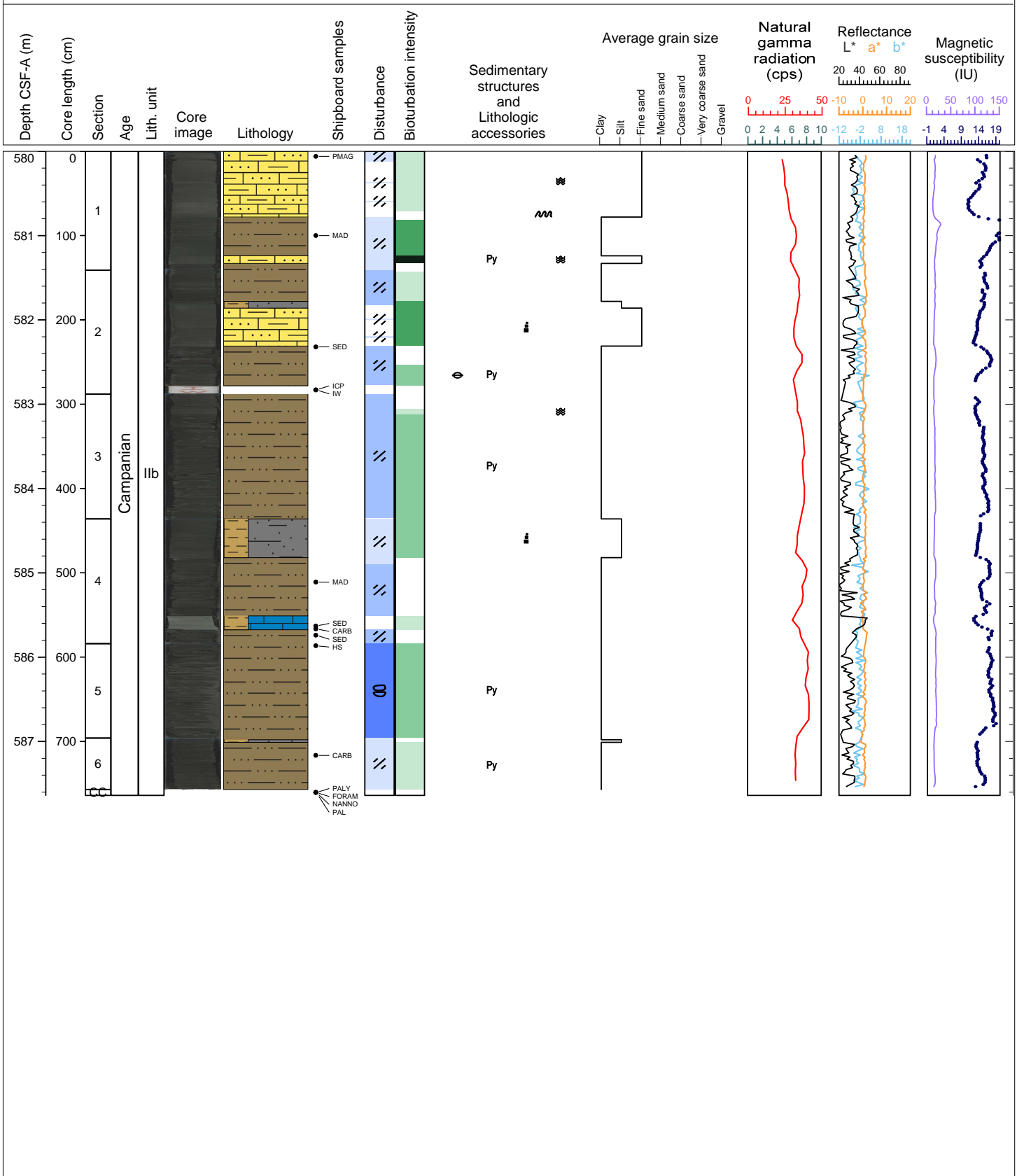
Core U1581B-31R consists of light to dark green siltstone and claystone, and dark gray to black claystone. There is intense bioturbation in Sections 3 (39-85 cm) and 7 (63-77 cm). In Sections 3 (90-101 cm), 6 (34-46 and 46-52 cm), and 7 (24-83 cm) there are intervals of fine sandstone with white laminations and occasional convolute bedding. In Section 6, 78 cm, there are a few inoceramid (bivalve) fragments. The clay intervals are all slightly fractured due to drying. There is slight to moderate biscuiting in Sections 3, 6, and 7.





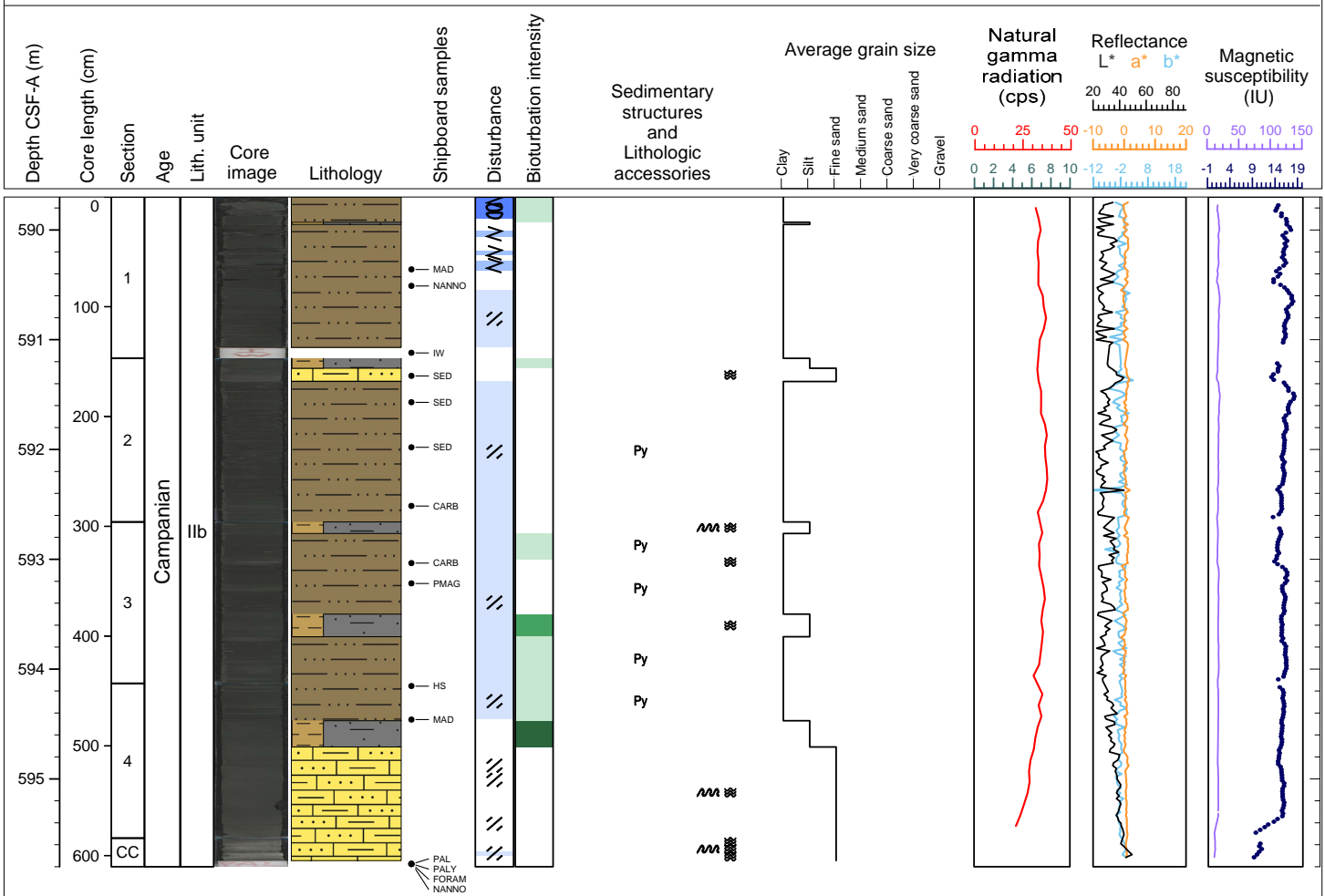
Hole 392-U1581B Core 32R, Interval 580.0-587.64 m (CSF-A)

Core U1581B-32R consists of light to dark green siltstone and claystone and dark gray to black claystone. There is a light green massive claystone in Section 4, 115-131.5 cm. There is intense bioturbation in Section 1, 124-133 cm. In Sections 1 (0-78 and 124-133 cm) and 2 (45-90 cm) there are intervals of fine sandstone with white laminations and occasional convolute bedding. In Section 2, 113 cm, there are a few inoceramid (bivalve) fragments. The clay intervals are all slightly fractured due to drying. There is severe biscuiting in Section 5.



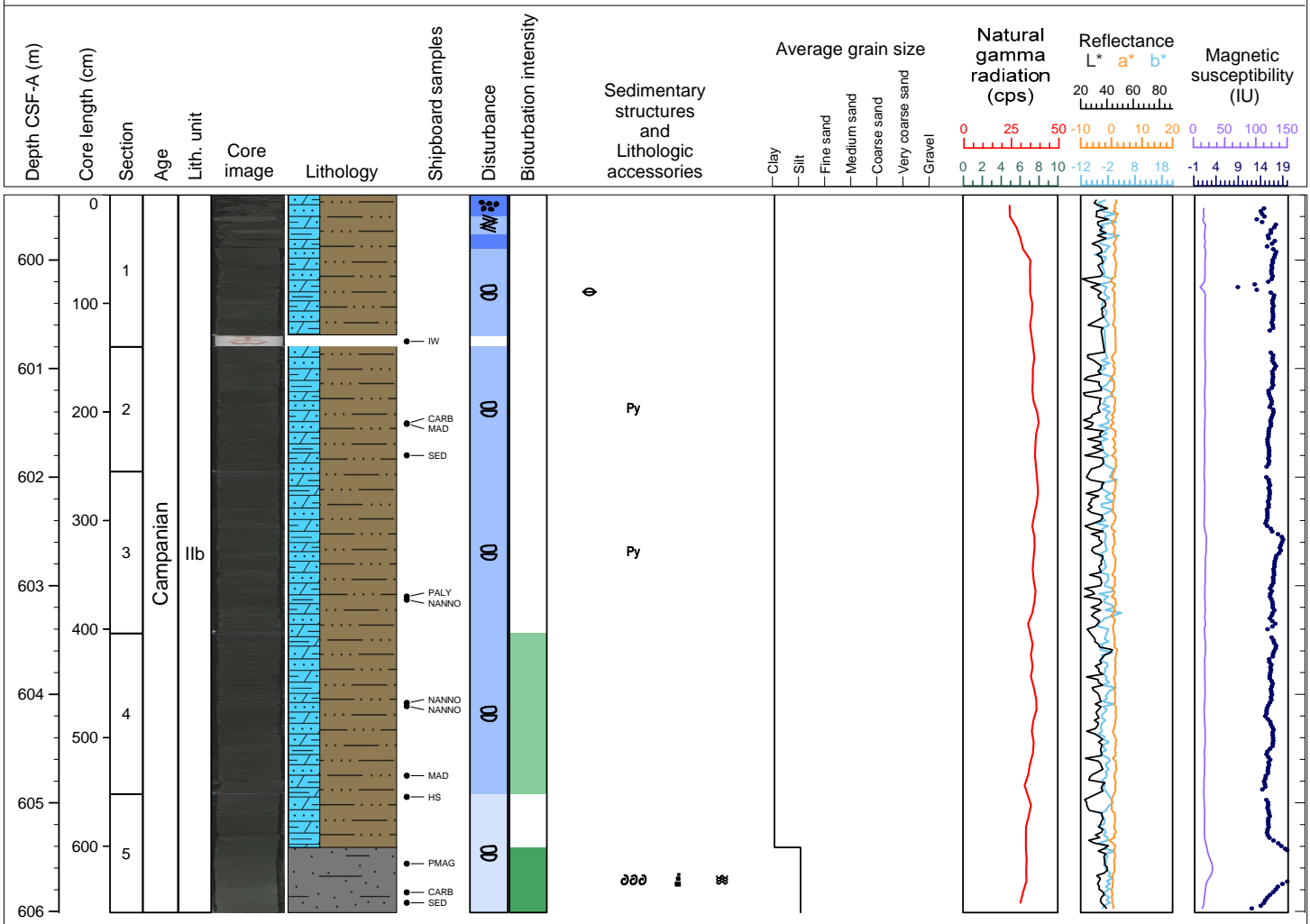
Hole 392-U1581B Core 33R, Interval 589.7-595.8 m (CSF-A)

Core U1581B-33R consists of light to dark green siltstone and claystone and dark gray to black claystone. In Sections 3, 0-10.5 cm, and 4, 131-133 cm, and CC, 7-13 cm, there are intervals of fine sandstone with convolute bedding. The clay intervals are all slightly fractured due to drying. There is severe biscuiting in Section 1.



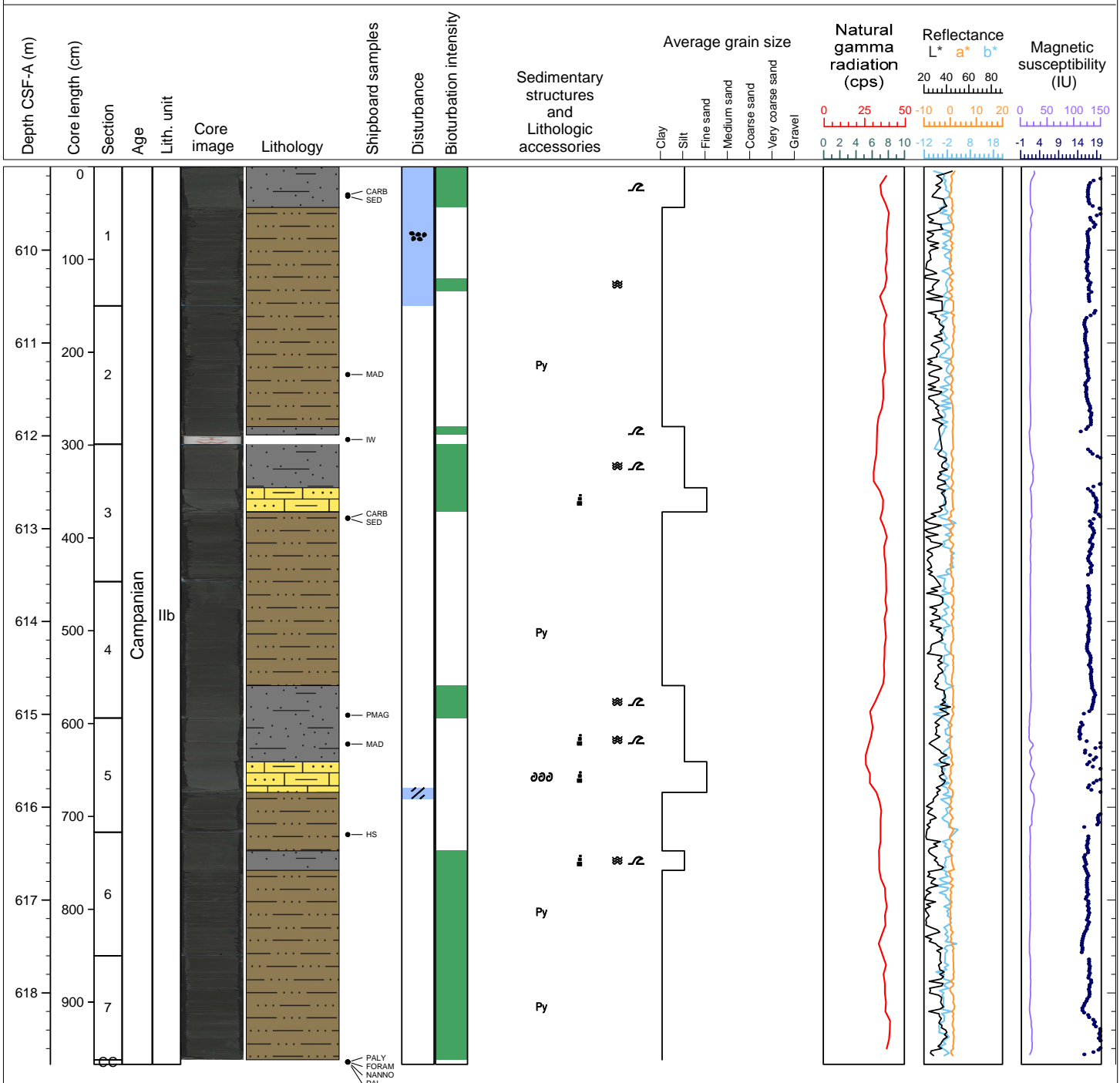
Hole 392-U1581B Core 34R, Interval 599.4-606.01 m (CSF-A)

Core U1581B-34R consists of color banded, greenish black calcareous claystone and dark greenish gray laminated siltstone. Pyrite patches several mm in diameter are present in Sections 1 (29 cm), 2 (19, 59, 61, and 73 cm), 3 (32 and 64 cm), 4 (43 cm), and 5 (54-64 cm). An inoceramid (bivalve) fragment is seen in Section 1, 82 cm. Bioturbation is rare throughout the core, and there is a thin moderately bioturbated interval at Section 4, 66-69 cm. An inclined bed, possibly a result of soft sediment deformation, is seen in Section 5, 85 cm.



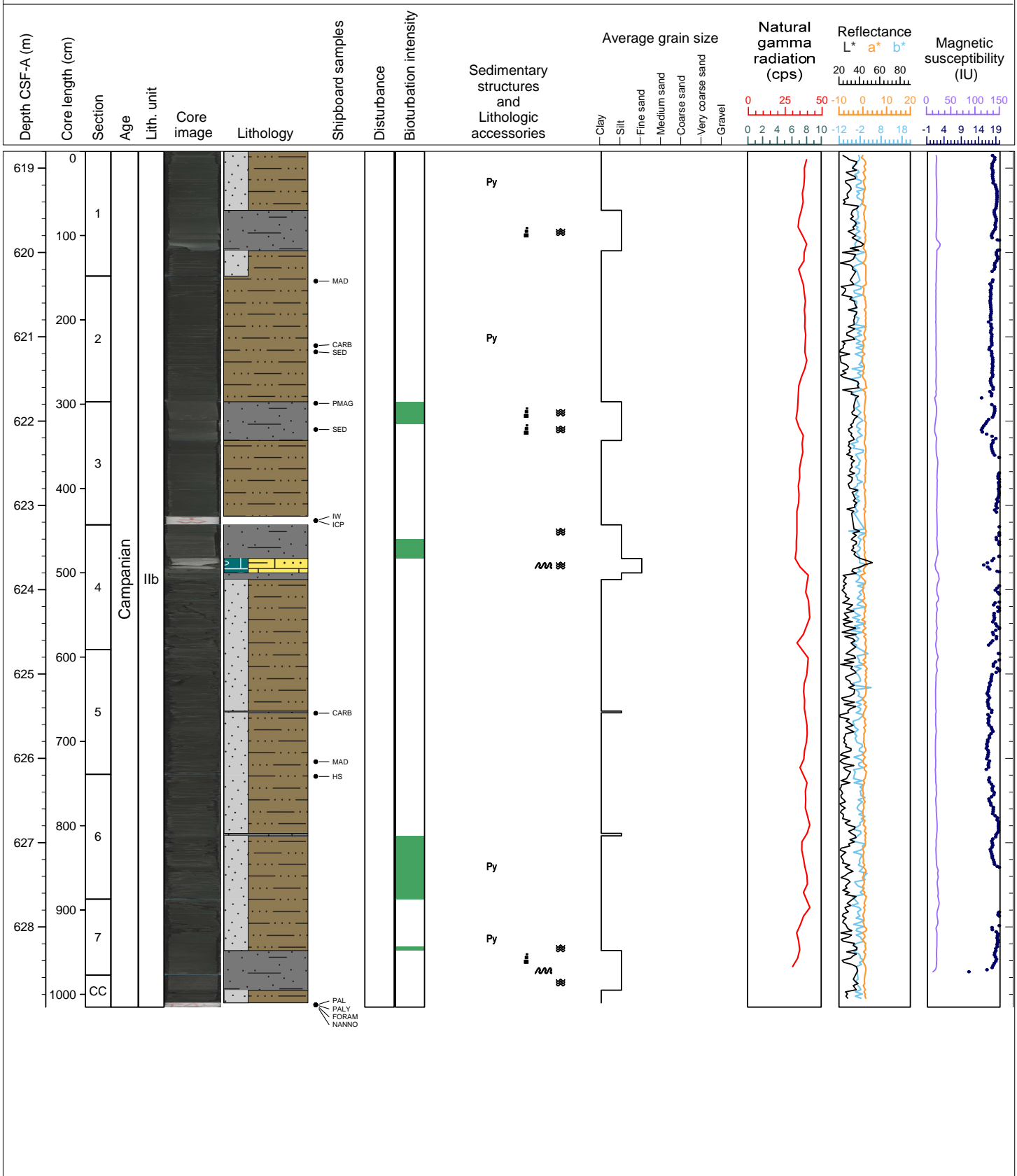
Hole 392-U1581B Core 35R, Interval 609.1-618.77 m (CSF-A)

Core U1581B-35R consists of greenish black claystone, with dark greenish gray siltstone occurring at several decimeter- to meter-scale, sharp-based, normally graded beds in Sections 3, 5, and 6. The upper part of each siltstone bed features convolute bedding. Near the base of the siltstone in Section 5 (which normally grades to fine sandstone at the base) inoceramid prisms are present. The claystone features sparse pyrite throughout in the form of pyritized burrows and nodules. The top of Section 1 contains fall-in, and several cm-scale intervals of fragmentation are present throughout the core.



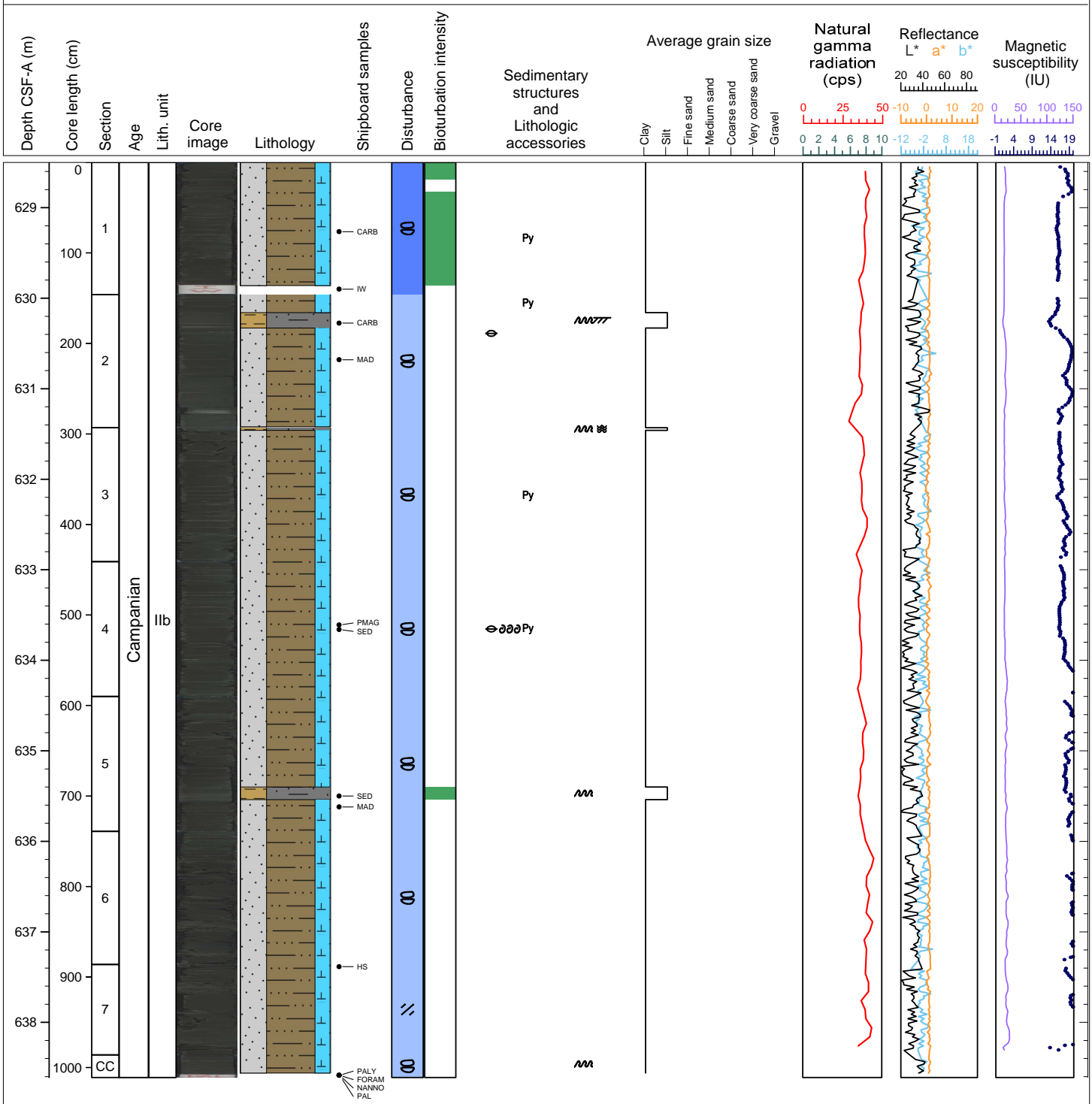
Hole 392-U1581B Core 36R, Interval 618.8-628.95 m (CSF-A)

Core U1581B-36R consists of greenish black and dark greenish gray silty claystone and silt. Intervals of convolute bedding occur in the silt facies in Sections 4 and 7. One 17 cm-thick interval of gray silicified fine sandstone occurs in Section 4, 40-57 cm. Moderate bioturbation and mm-scale pyrite nodules rarely occur throughout the claystone facies.



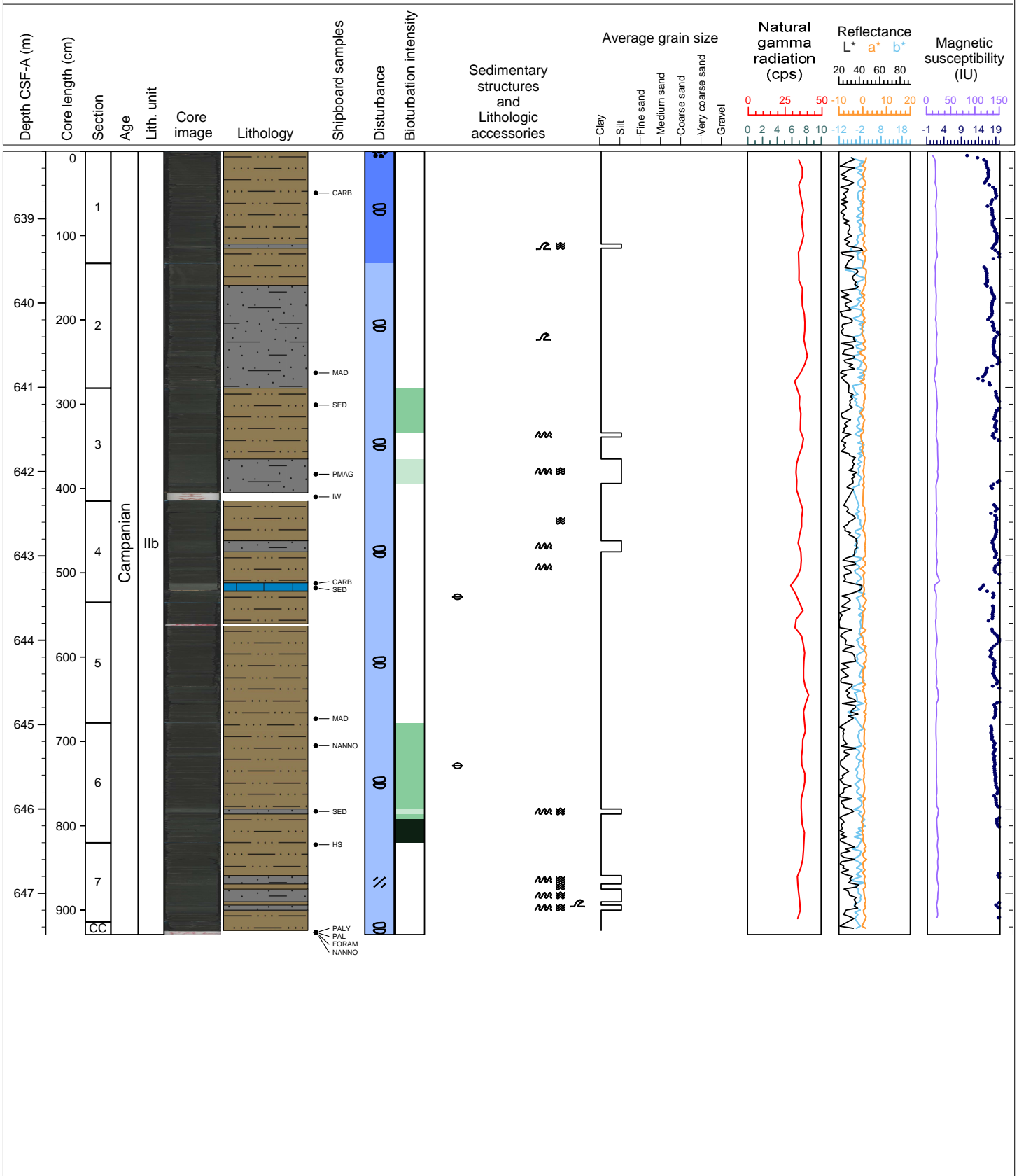
Hole 392-U1581B Core 37R, Interval 628.5-638.61 m (CSF-A)

Core U1581B-37R consists of greenish black and dark greenish gray claystones and siltstones that are either massive or color banded. Intervals of convolute bedding are present in most silt layers. Well-preserved inoceramid (bivalve) shells with prominent calcite prisms are present in Sections 4 (105-107 cm), and 5 (90-100 cm). Shell fragments, possibly inoceramids are also noted in Section 2, 67, 109, 118, and 139 cm. When present, low moderate bioturbation and mm-scale pyrite nodules have rare occurrence in the claystones.



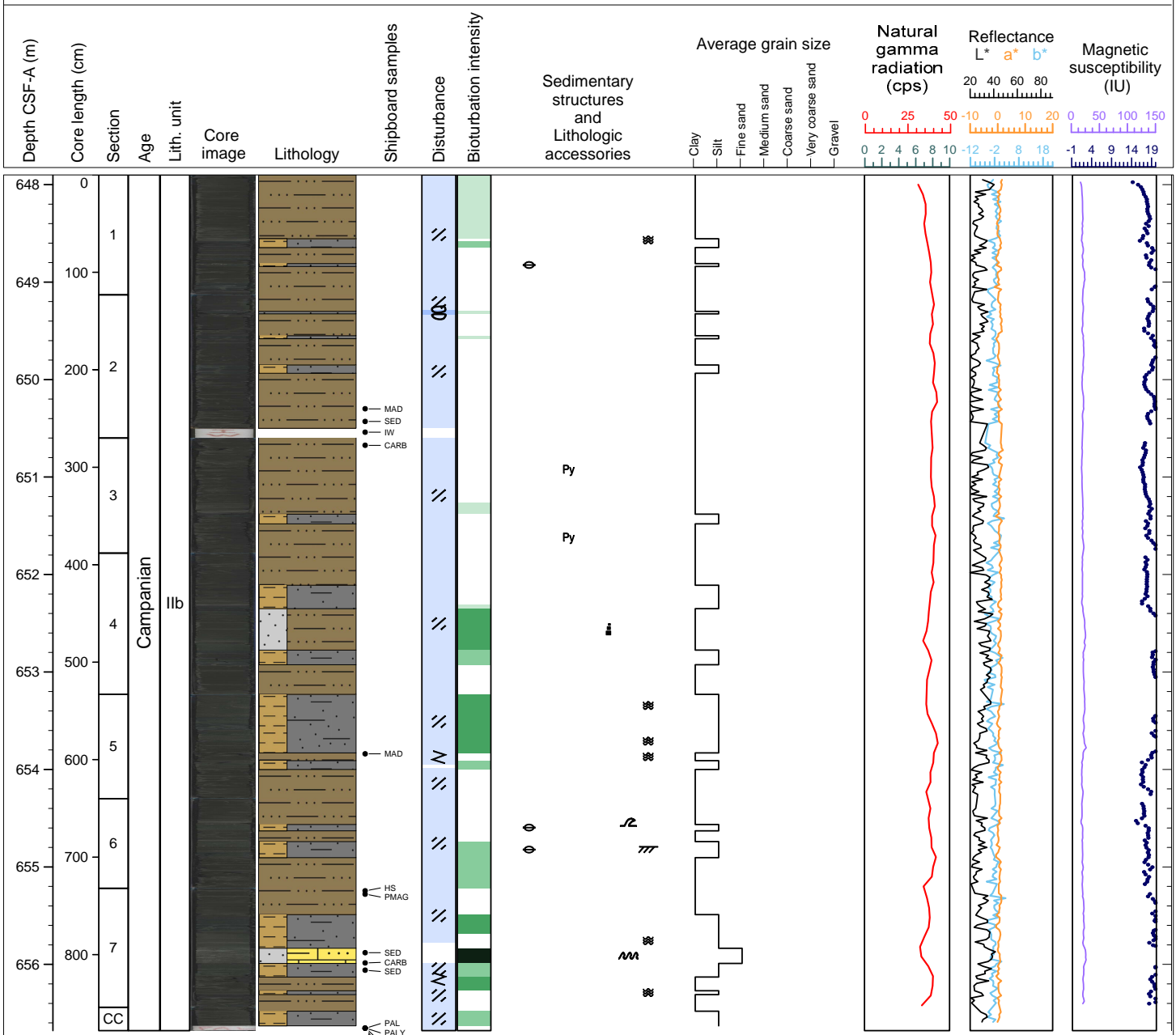
Hole 392-U1581B Core 38R, Interval 638.2-647.49 m (CSF-A)

Core U1581B-38R consists of greenish black and dark greenish gray claystones and siltstones that are either massive or color banded. Intervals of convolute bedding are present in most silt layers. Pyrite patches several mm in diameter occur in Sections 1 (106 cm) and 4 (12 and 99-103 cm). Inoceramid (bivalve) fragments are present in Section 4, 108 cm, and Section 5, 20 cm and 125 cm. Moderate bioturbation is observed in Section 1, 33-36 cm. The entire core is moderately to severely biscuited or fractured.



Hole 392-U1581B Core 39R, Interval 647.9-656.68 m (CSF-A)

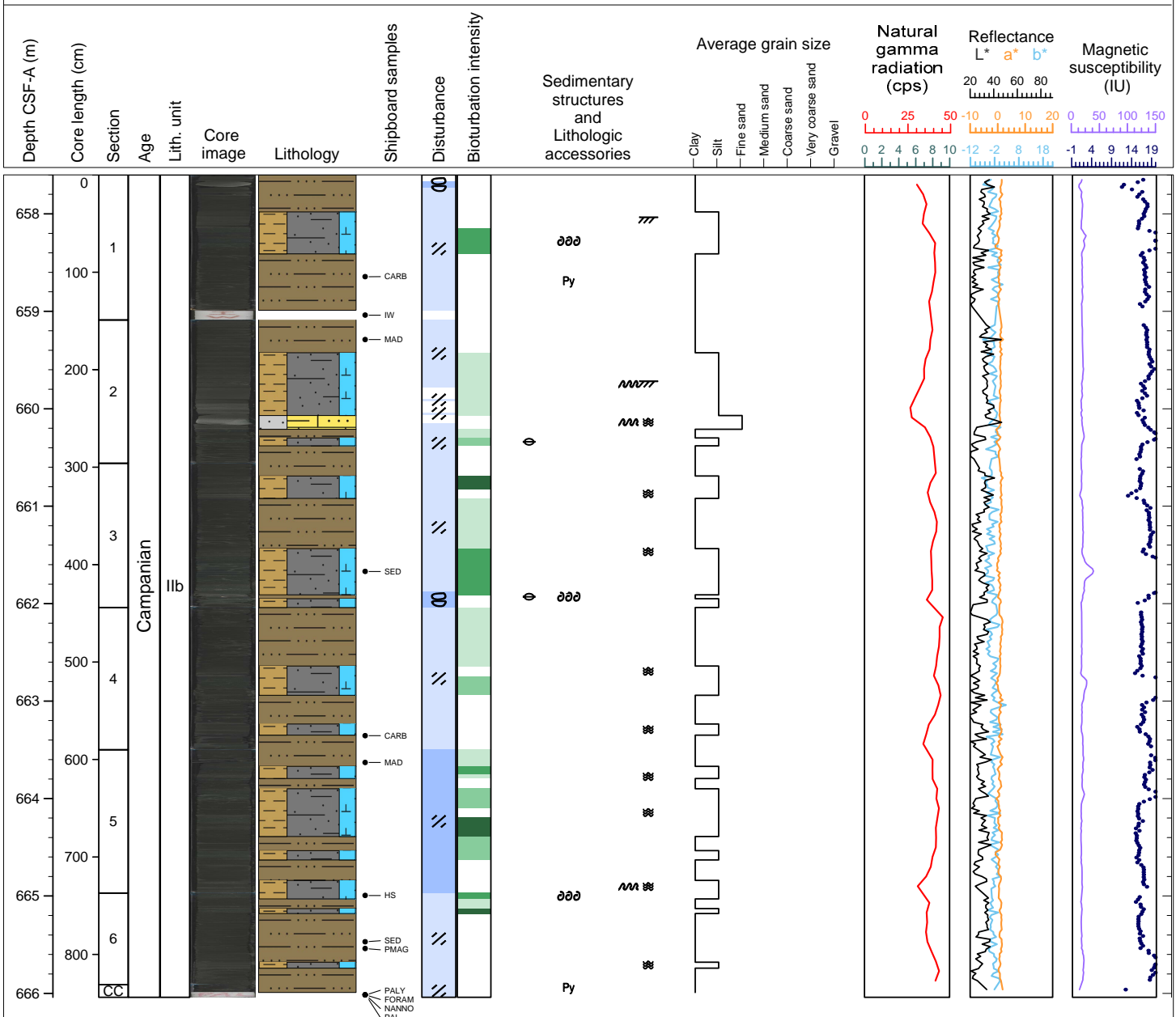
Core U1581B-39R consists of very dark green clayey siltstones, black claystones, and one intensely bioturbated silty sandstone interval. There are a number of thinly laminated intervals throughout with low-angle cross-bedding in Sections 1 (66-67 cm), 4 (51-53 cm), and 7 (55-57 cm). In Sections 1 (90-93 cm), and 6 (26-27, 48-49, and 53-55 cm) there are inoceramid (bivalve) fragments. All clay intervals are slightly fractured due to drying. Drilling disturbance is minimal, but Section 2, 16-21 cm, is moderately bisected and Sections 5 (57-72 cm), and 7 (88-98 cm) are slightly fragmented.





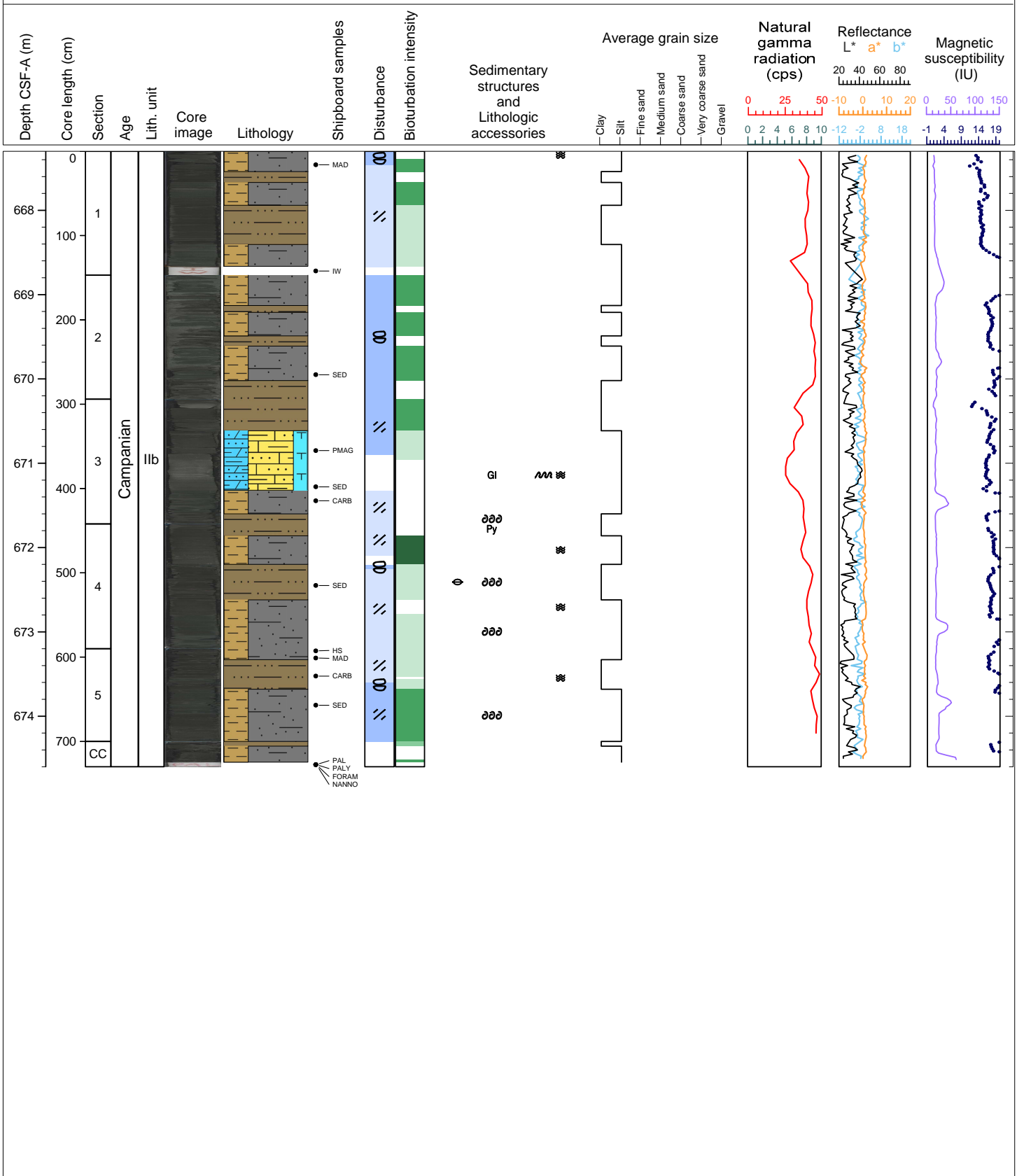
Hole 392-U1581B Core 40R, Interval 657.6-666.04 m (CSF-A)

Core U1581B-40R consists largely of dark green clayey siltstones with nanofossils and black claystones with nanofossils. Bioturbation is variable and more prominent in siltstone intervals. There are intervals with well-defined cross bedding in Sections 2 (83-96 cm), and 3 (31-34 cm). In Sections 2 (120-121 cm), and 3 (134-135 cm), there are inoceramid (bivalve) fragments. In Sections 3 (134-136 cm), and 6 (0-2 cm), there are non-bivalve shell fragments. The clay intervals are fractured due to drying. Drilling disturbance is minimal and ranges from absent to moderate (biscuited).



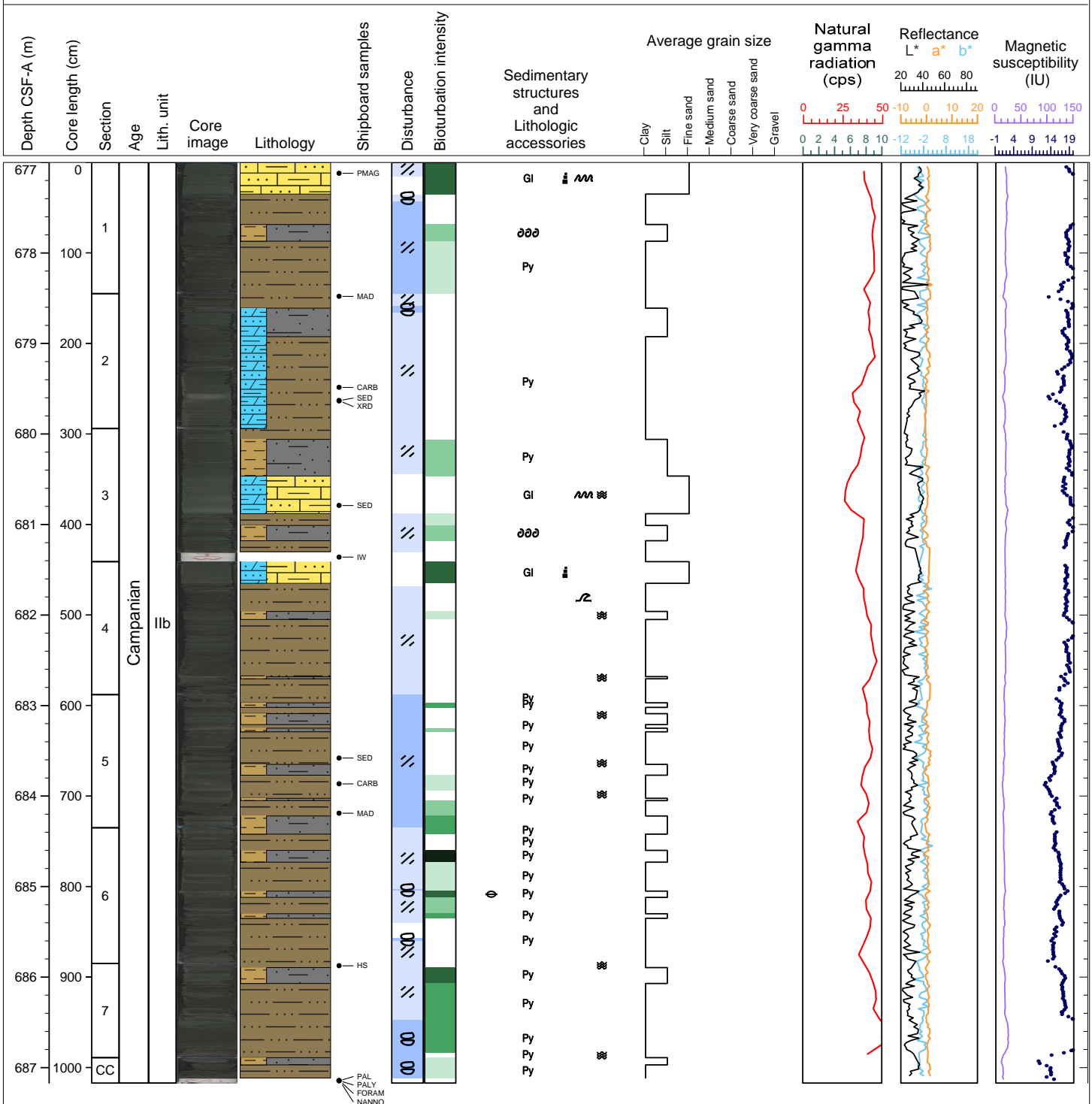
Hole 392-U1581B Core 41R, Interval 667.3-674.6 m (CSF-A)

Core U1581B-41R consists of very dark green clayey siltstone and dark greenish black claystone. Bioturbation is occasionally present, usually in siltstone intervals. In Section 3, 71-108 cm, there is fine calcareous sandstone with foraminifera that is thinly laminated. There are shell fragments in Sections 3 (136-148 cm), 4 (48-90, and 107.5-148 cm), and 5 (48-110 cm). There are inoceramid (bivalve) fragments in Section 4, 48-90 cm. The clay intervals are fractured due to drying. Drilling disturbance ranges from absent to moderate



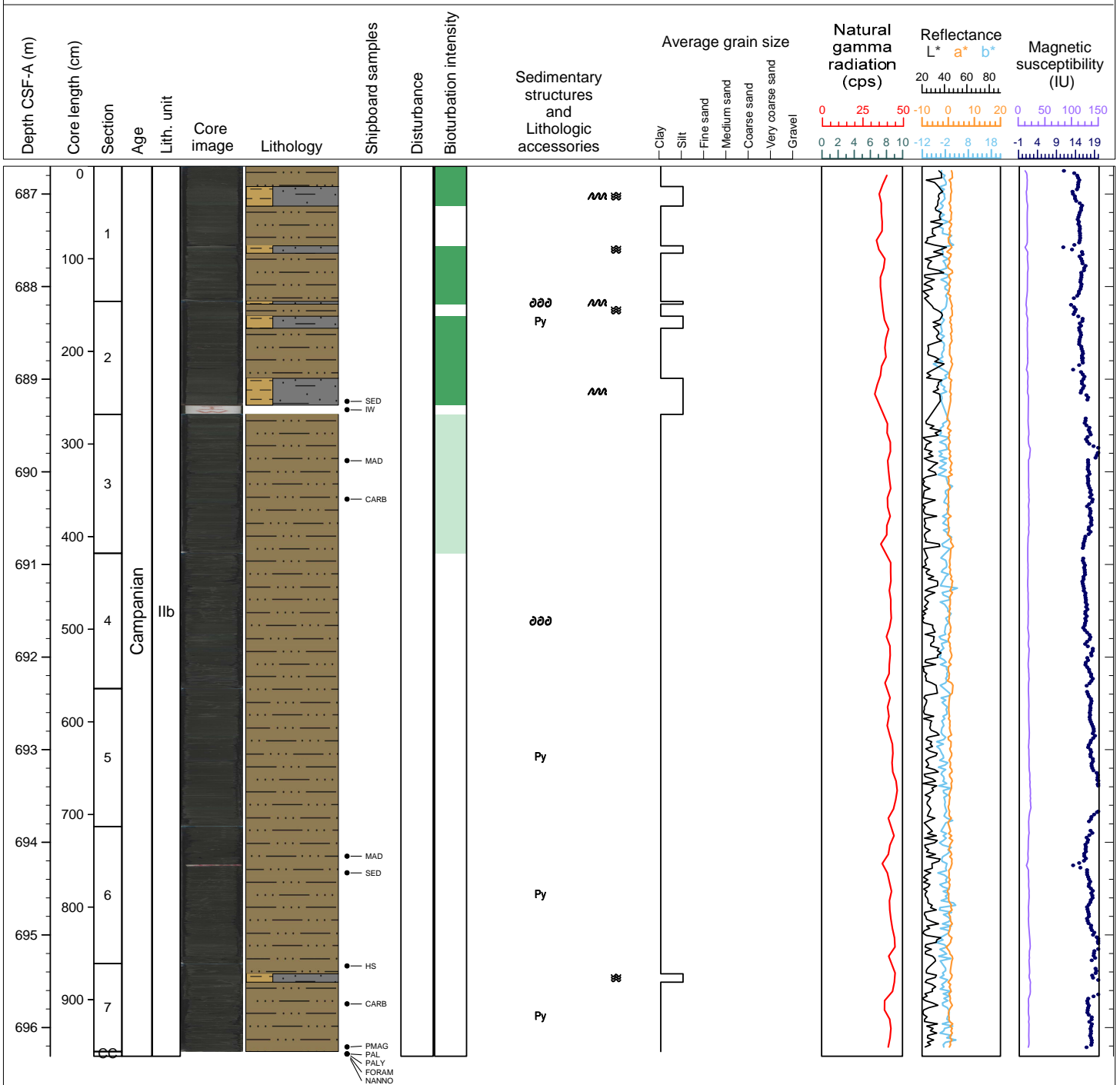
Hole 392-U1581B Core 42R, Interval 677.0-687.17 m (CSF-A)

Core U1581B-42R consists of greenish black claystone and dark green siltstone. There are a few fine sand intervals that are normally graded. Bioturbation intensity varies throughout from absent to high. In Section 6, 73 cm, there is an inoceramid (bivalve) fragment. All clay intervals are slightly fractured due to drying. Drilling disturbance ranges from absent to moderate (biscuited, fractured, and fragmented).



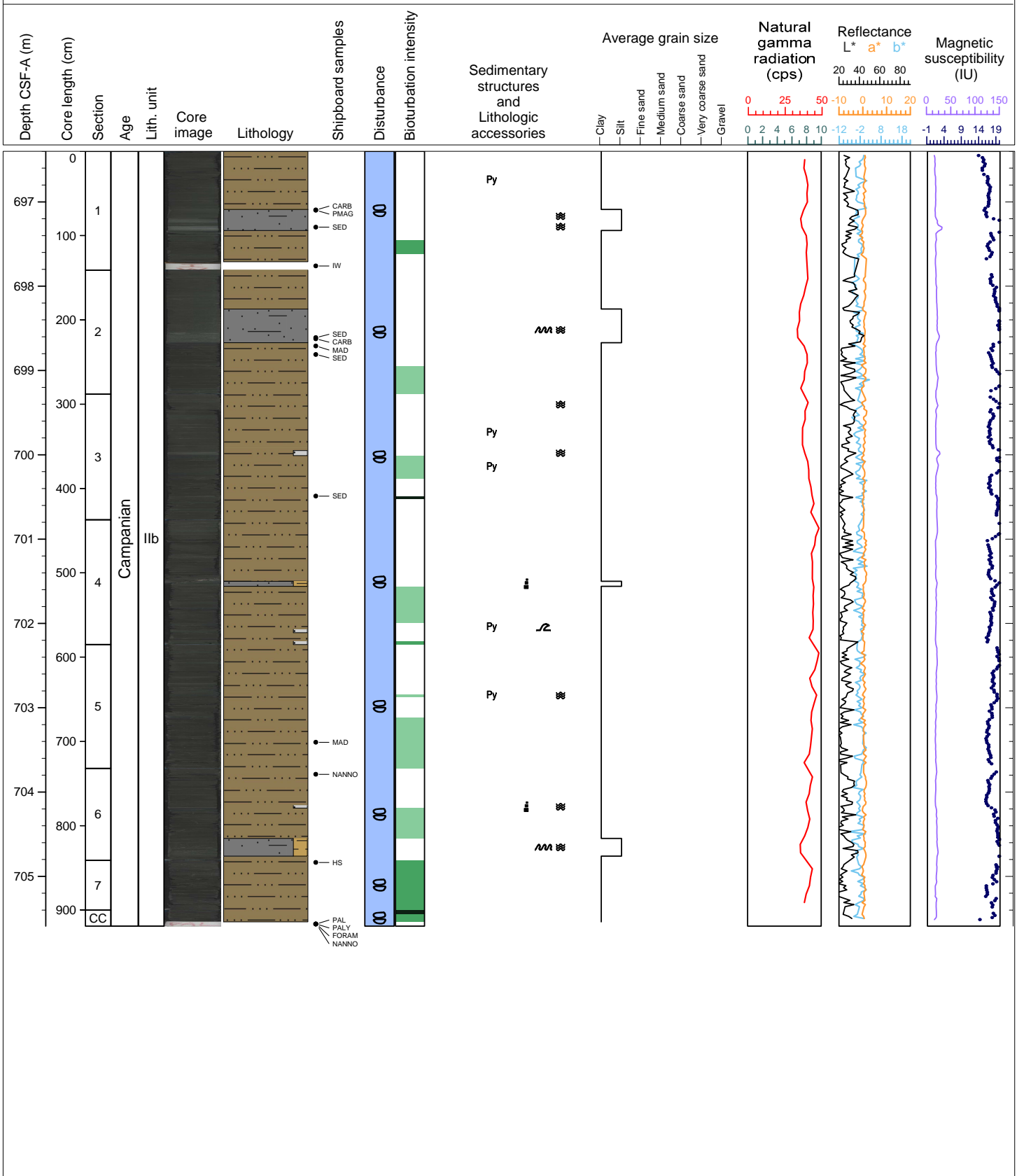
Hole 392-U1581B Core 43R, Interval 686.7-696.31 m (CSF-A)

Core U1581B-43R consists of greenish black claystone alternating with dark greenish gray clayey siltstone. The siltstone facies is sometimes laminated, sometimes with convolute bedding. Pyrite nodules occur within the claystone in Sections 2, 6, and 7. Inoceramid shell fragments occur in both facies in Sections 2 and 4. Bioturbation occurs in the claystone facies, ranging from absent to moderate.



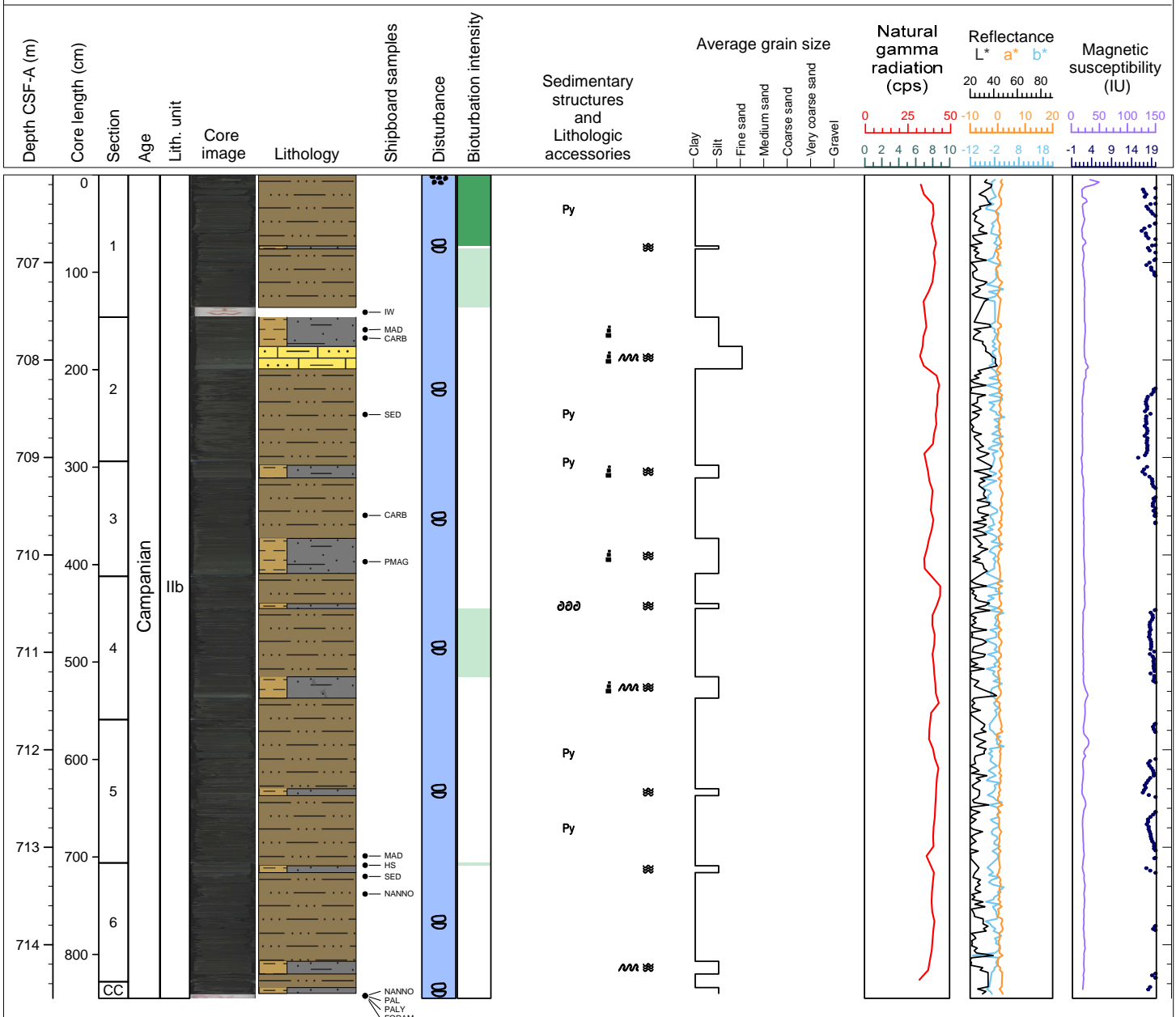
Hole 392-U1581B Core 44R, Interval 696.4-705.59 m (CSF-A)

Core U1581B-44R consists of black or greenish black massive or finely laminated claystone with occasional thin or medium beds of siltstone at Section 1, 65-94 cm, and Section 2, 46-86 cm, and siltstone with clay in Section 4, 73-79 cm, and Section 6, 83-104 cm. Some siltstone beds show convolute bedding. Pyrite nodules occur within the claystone in Sections 2, 6, and 7. Inoceramid shell fragments occur in both facies in Sections 2 and 4. Variable amounts of pyrite occurs in all sections. Bioturbation is low to intense and occurs in the claystones. The claystones also have silt lenses. The entire core shows moderate biscuiting.



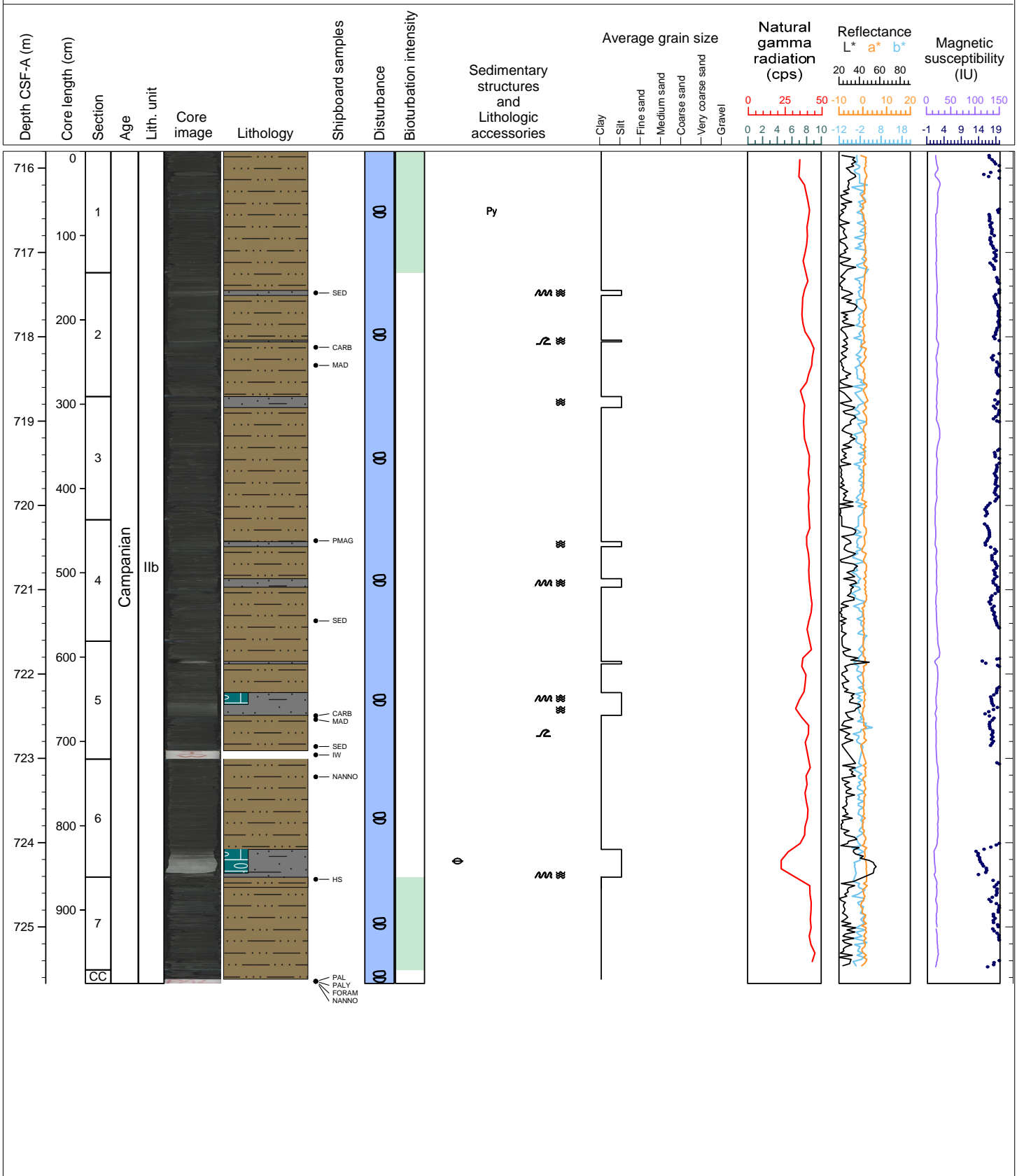
Hole 392-U1581B Core 45R, Interval 706.1-714.55 m (CSF-A)

Core U1581B-45R consists of greenish black claystone interbedded at meter scale with discrete decimeter-scale intervals of greenish gray to dark greenish gray siltstone. The siltstone intervals are laminated, have gradational tops and sharp bases, are often normally graded, and sometimes feature convolute bedding. Pyrite nodules and sparse bioturbation are both present in the claystone intervals, and shell fragments are observed in a siltstone interval in Section 4, 101-124 cm.



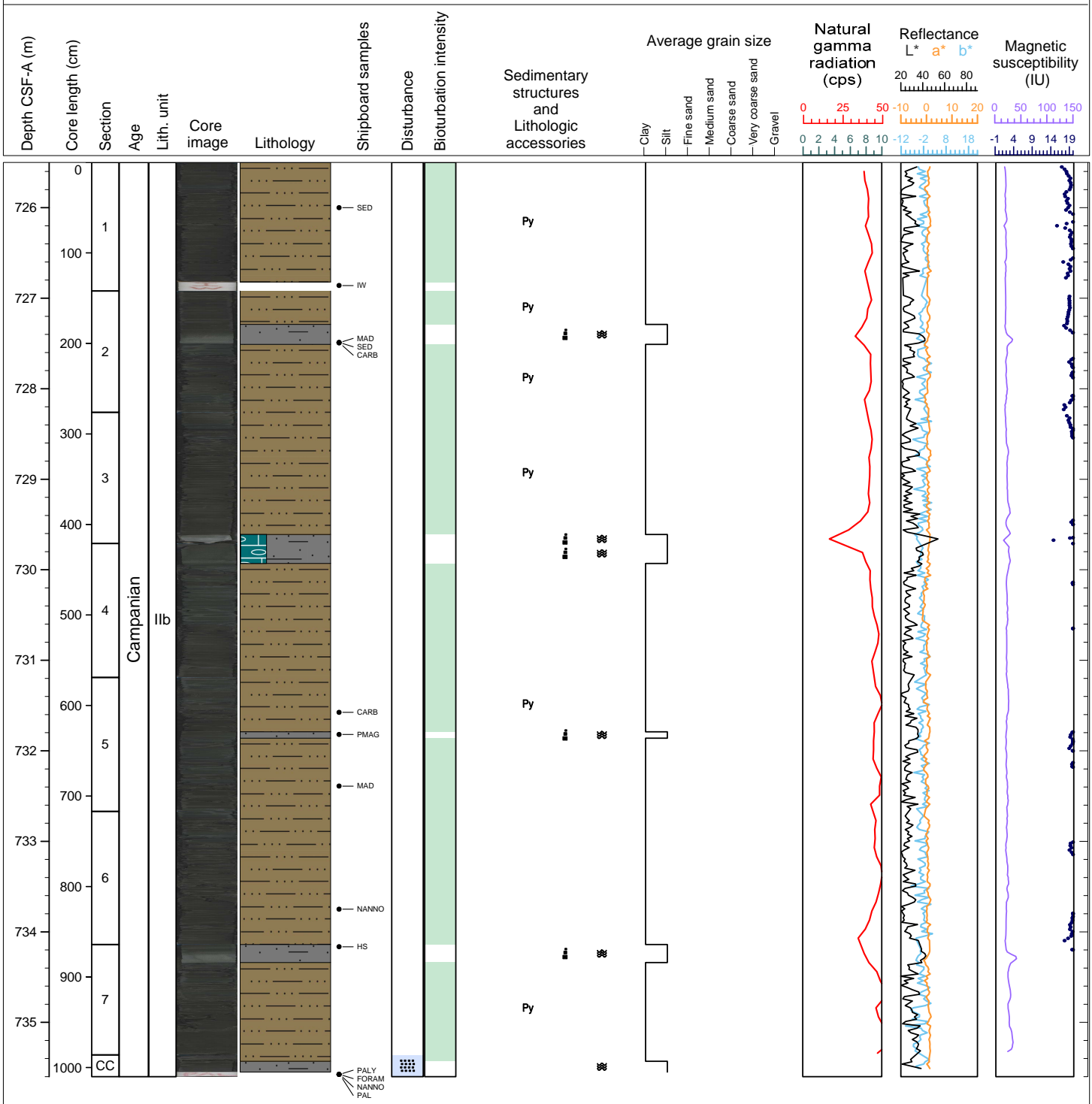
Hole 392-U1581B Core 46R, Interval 715.8-725.67 m (CSF-A)

Core U1581B-46R consists of greenish black claystone interbedded at meter scale with discrete decimeter-scale intervals of greenish gray to dark greenish gray siltstone. The siltstone intervals are laminated, and sometimes feature convolute bedding. In Section 1, 140 cm, a pyrite patch is present, and sparse bioturbation occurs at Section 1, 7-11 cm. An inoceramid (bivalve) fragment is present at Section 6, 139 cm. The entire core is severely biscuited.



Hole 392-U1581B Core 47R, Interval 725.5-735.6 m (CSF-A)

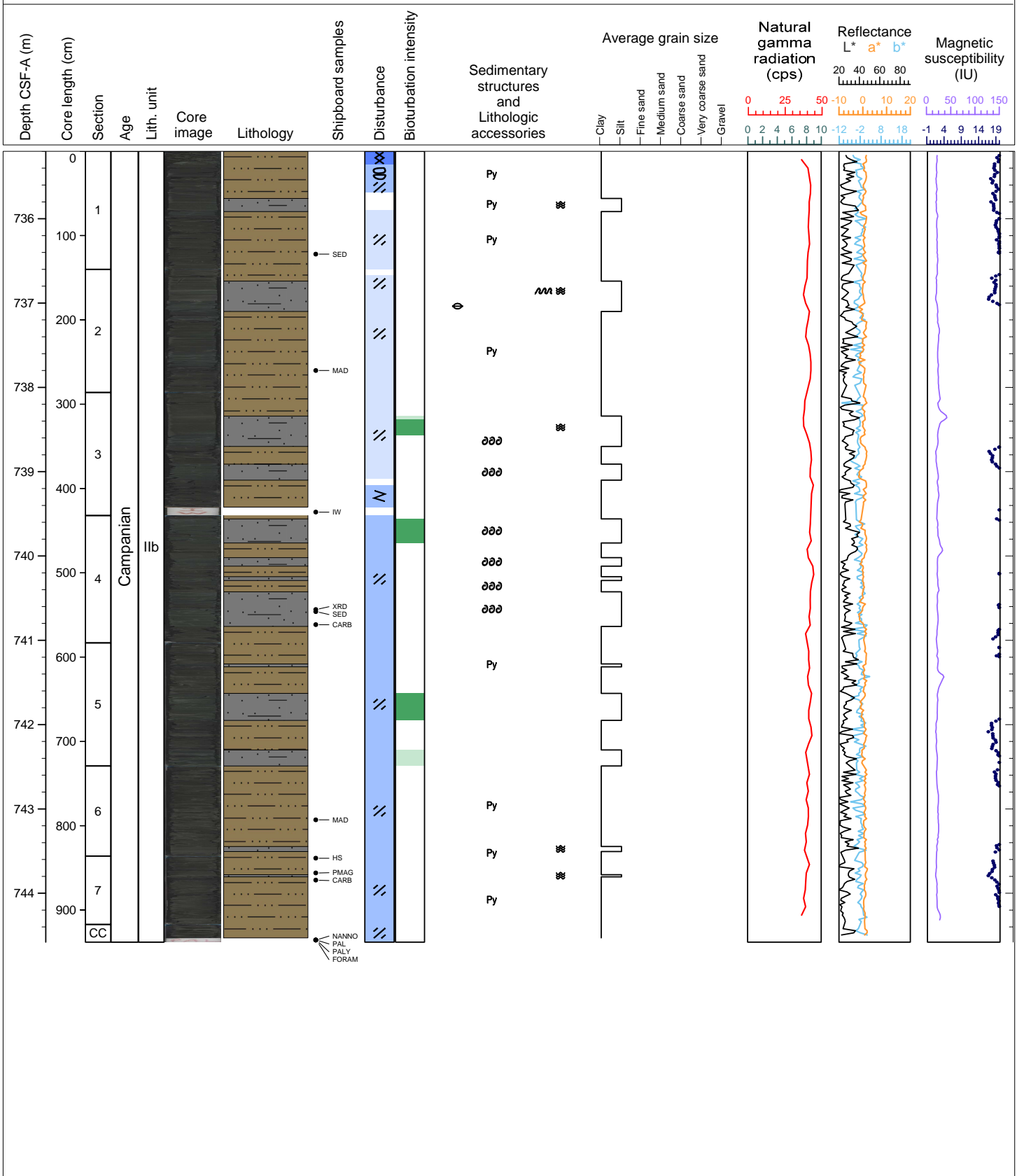
Core U1581B-47R consists of greenish black claystone with decimeter-scale intervals of dark greenish gray siltstone in Sections 2, 3, 4, 5, and 7. The siltstone beds are all laminated, with gradational tops and sharp bases. The siltstone bed in Section 3, 135-145 cm, is silicified. Some of the siltstone beds contain inoceramid prisms, e.g. Section 6, 139 cm. The claystone facies is sparsely bioturbated. In Section 1, 70 cm, there is a 5mm-thick, 2 cm-long pyritized burrow.





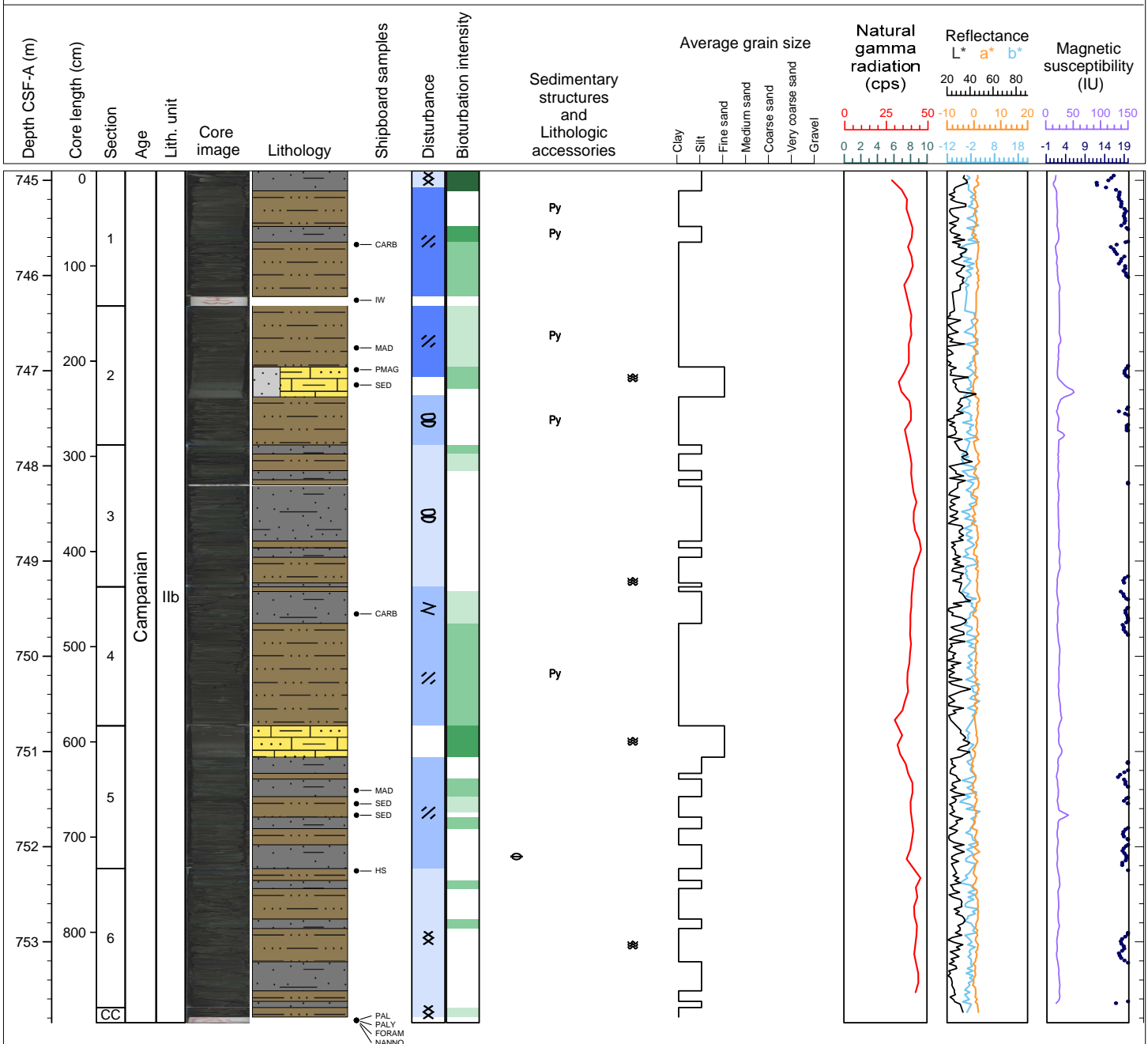
Hole 392-U1581B Core 48R, Interval 735.2-744.58 m (CSF-A)

Core U1581B-48R consists of very dark green and black clay and silt. There is occasional bioturbation and laminated intervals. Drilling disturbance ranges from slight to moderate (fractured, fragmented, biscuited, and brecciated).



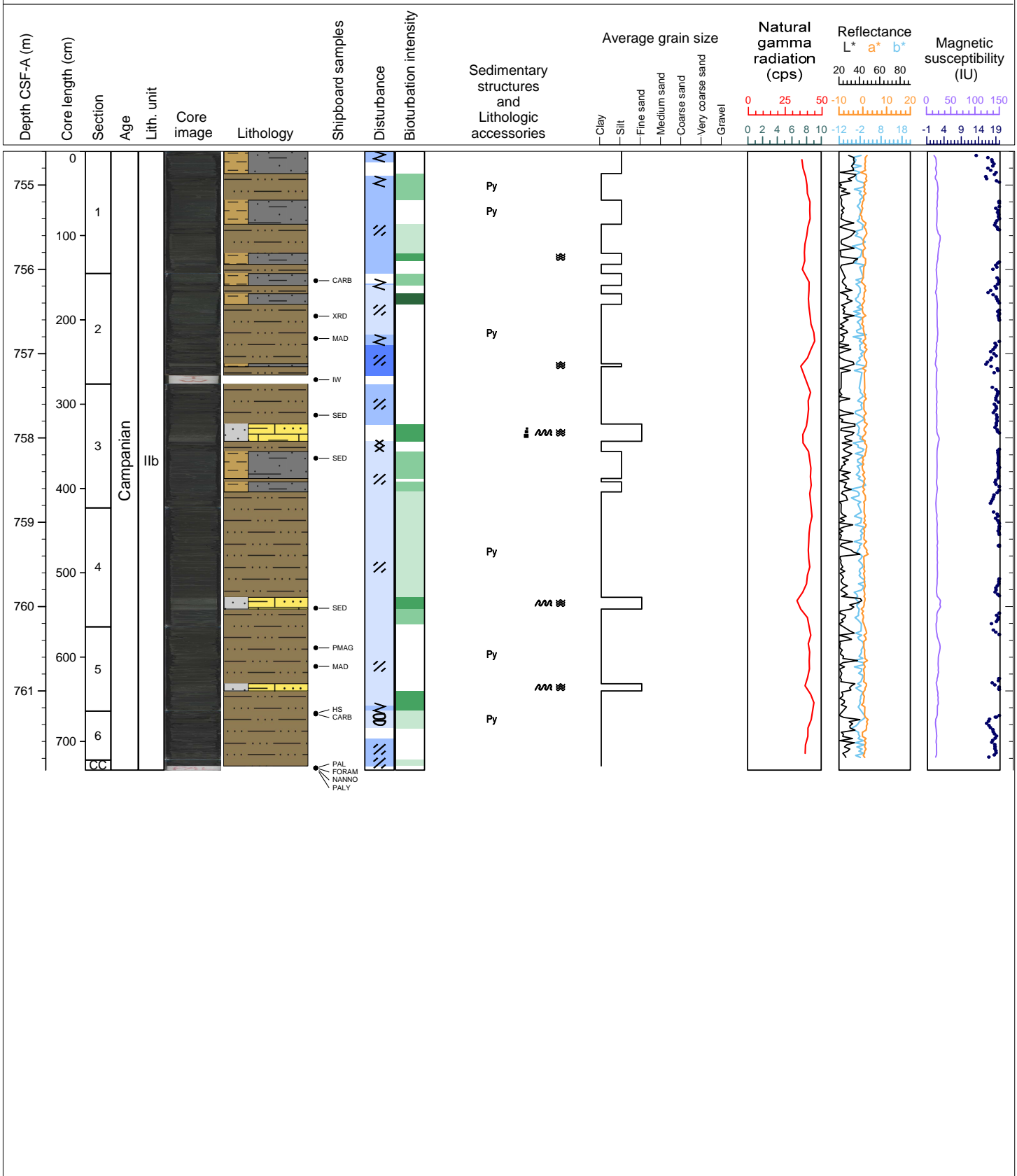
Hole 392-U1581B Core 49R, Interval 744.9-753.85 m (CSF-A)

Core U1581B-49R consists of very dark green and black clay and silt, with dark greenish gray fine sand in Sections 1, 64-97.5 cm, and 5, 0-33 cm. There is occasional bioturbation and laminated intervals. In Section 5, 132 cm, there is an inoceramid fragment. Drilling disturbance ranges from slight to severe (fractured, fragmented, biscuited, and brecciated).



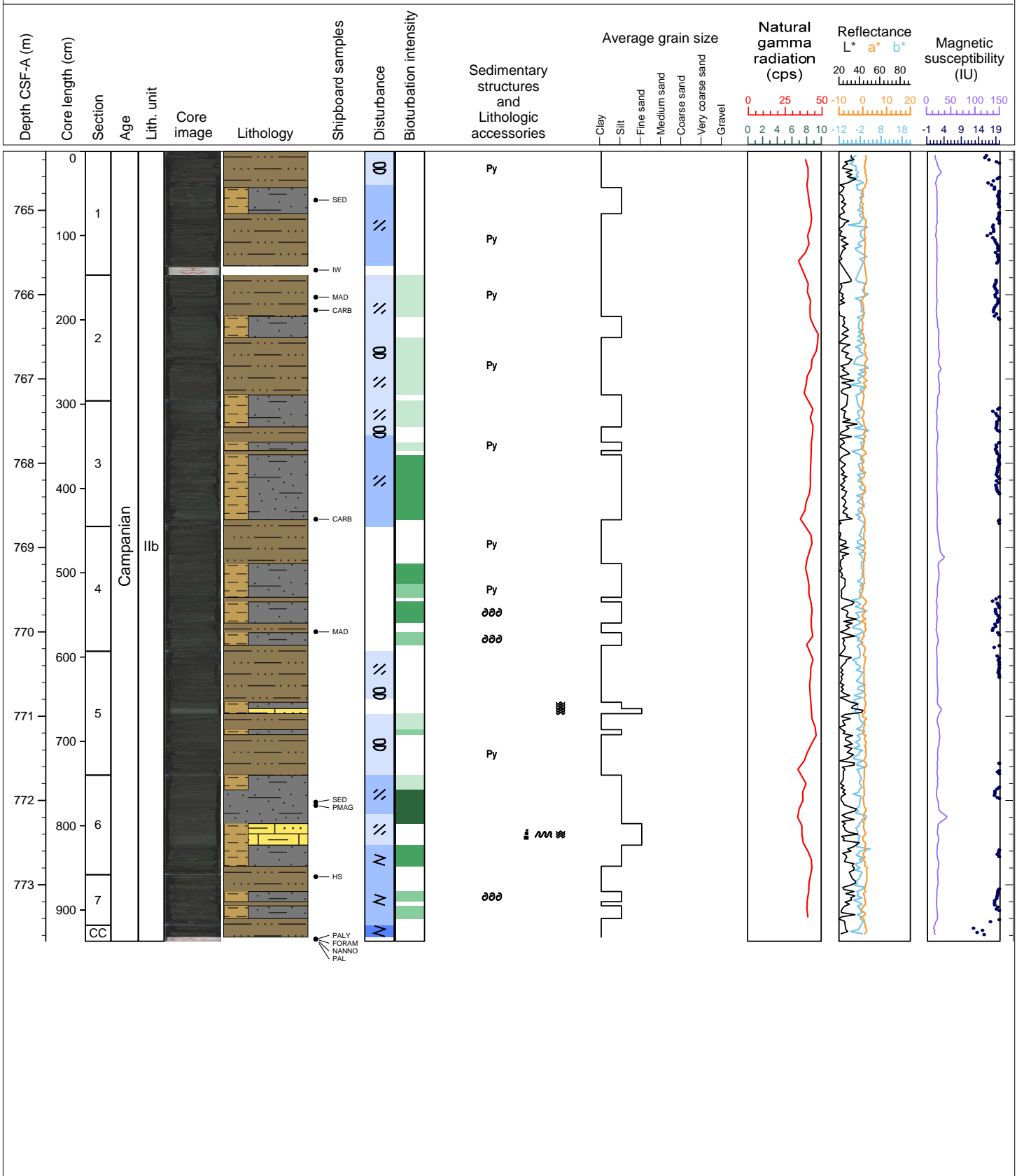
Hole 392-U1581B Core 50R, Interval 754.6-761.94 m (CSF-A)

Core U1581B-50R largely consists of very dark green and black claystones and clayey siltstones. In Section 3, 57-69 cm, and Section 4, 106-120 cm, and 67-76 cm, there are laminated fine silty sandstone intervals with convolute beds that are commonly bioturbated. There are occasional pyritic features throughout. Drilling disturbance ranges from absent to moderate and severe (fractured, brecciated, biscuited).



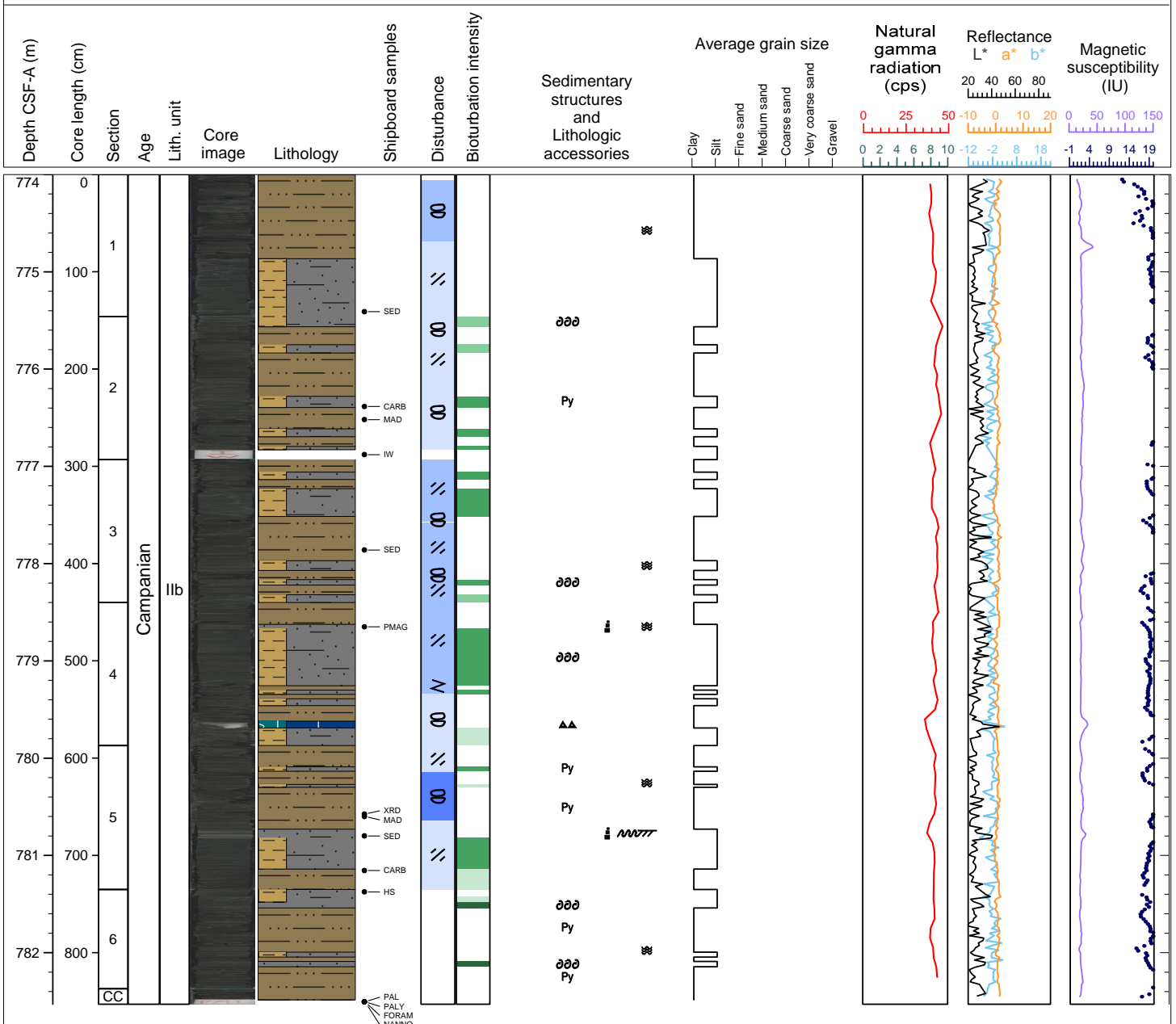
Hole 392-U1581B Core 51R, Interval 764.3-773.67 m (CSF-A)

Core U1581B-51R consists largely of black claystones and very dark green clayey siltstones. The dark green intervals are occasionally bioturbated. In Sections 5, 63-73.5 cm, and 6, 62-82 cm, there are prominent fine sand intervals that are laminated with convolute laminations in Section 6. Drilling disturbance ranges from absent to severe (fractured, fragmented, and biscuited).



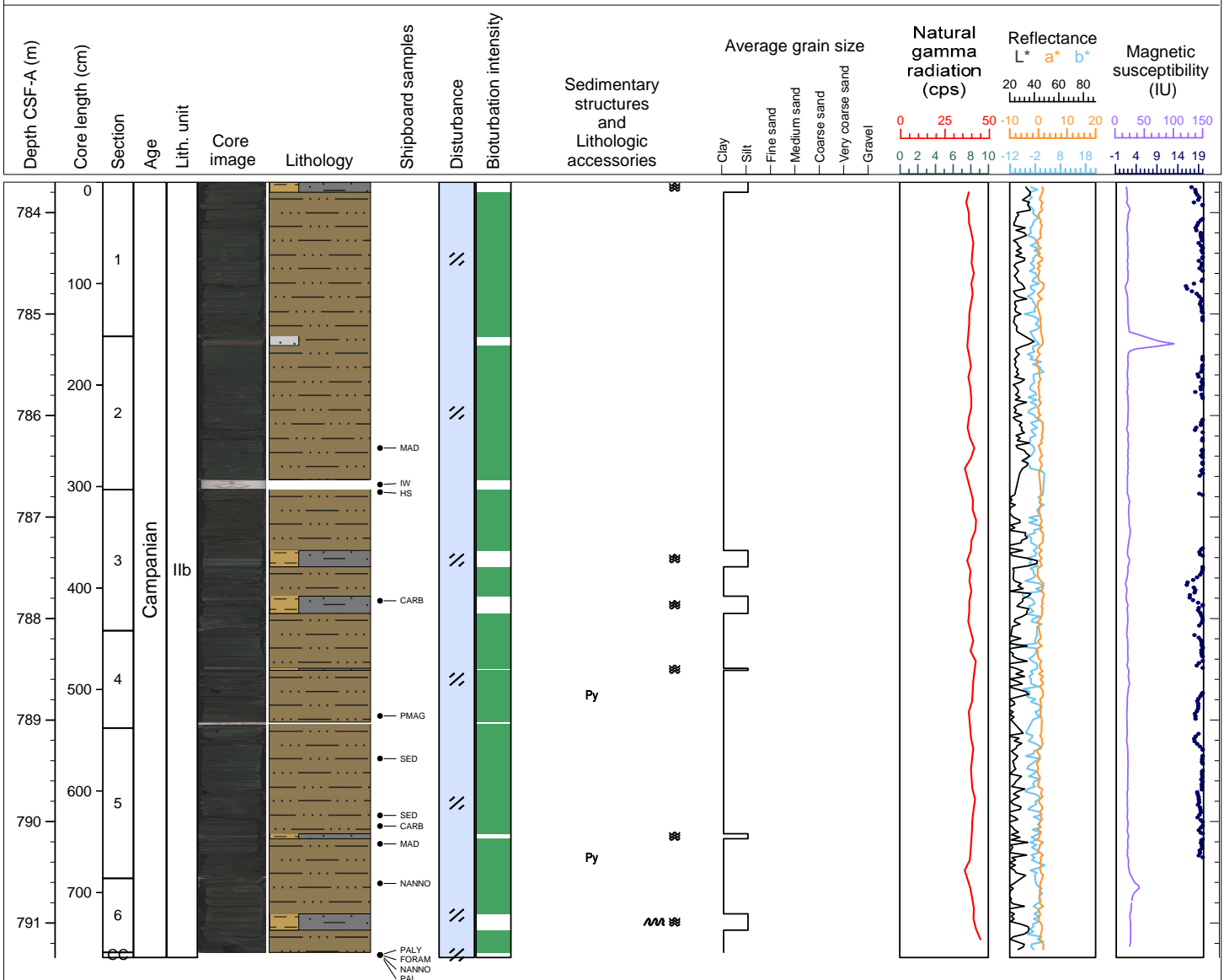
Hole 392-U1581B Core 52R, Interval 774.0-782.53 m (CSF-A)

Core U1581B-52R largely consists of black claystones and very dark green clayey siltstones. The dark green intervals are generally bioturbated. There are thinly laminated intervals in Sections 1 (57-59 cm), 4 (23-27 cm), 5 (87-95 cm - convolute), and 6 (61-64 cm). There are occasional pyrite nodules throughout. Drilling disturbance ranges from slight to severe (fractured, fragmented, and biscuited).



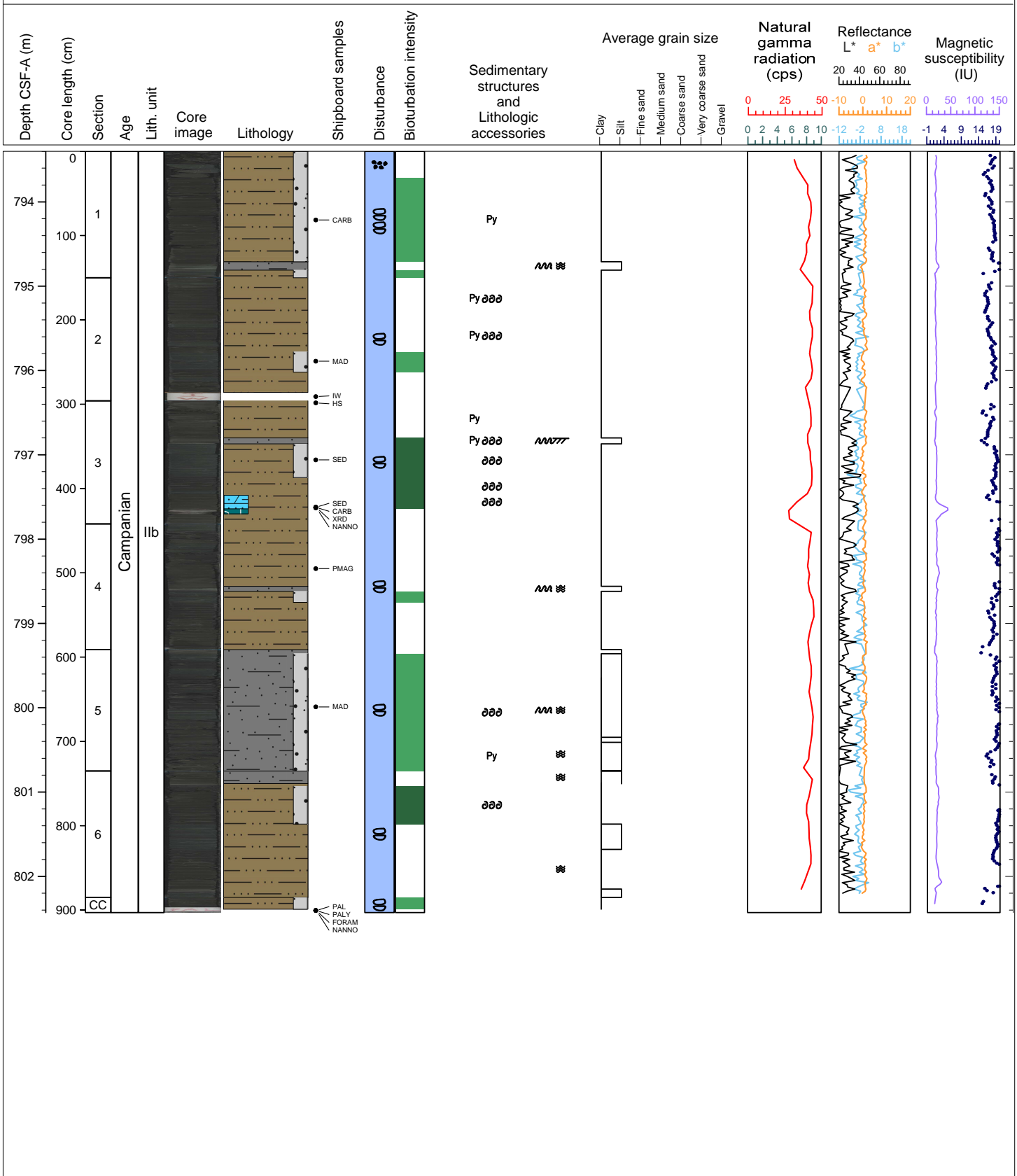
Hole 392-U1581B Core 53R, Interval 783.7-791.34 m (CSF-A)

Core U1581B-53R consists of moderately bioturbated, massive, greenish black claystone with several centimeter to decimeter-scale dark greenish gray laminated clayey silt intervals. Pyrite occurs as nodules and pyritized burrows in the claystone of Sections 4 and 5.



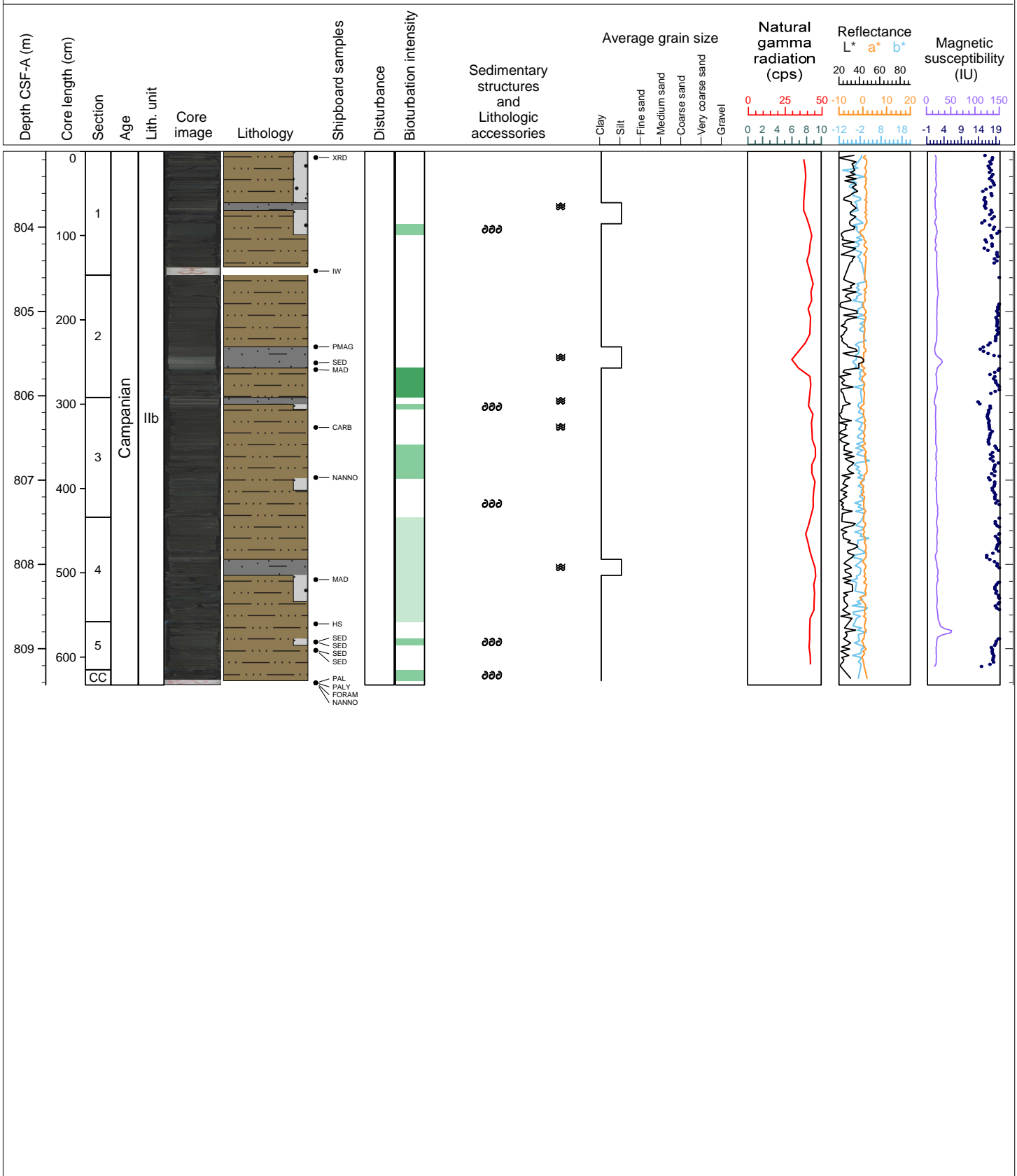
Hole 392-U1581B Core 54R, Interval 793.4-802.43 m (CSF-A)

Core U1581B-54R consists of moderately bioturbated, massive, greenish black claystones with variable amounts of silt as the minor component. Several centimeter to decimeter-scale dark greenish gray laminated siltstone intervals are present throughout the core. Convolute bedding is common in the siltstones. A brief interval of massive, dark greenish gray calcareous claystone is found in Section 3, 112-128 cm directly overlying a layer of silicified claystone between 128 and 134 cm. Pyrite patches are common, with prominent patches several mm in diameter in Section 1, 38 cm and Section 5, 133 cm. Shell fragments are common in all sections. Bioturbation is more intense in the claystones with a larger amount of silt.



Hole 392-U1581B Core 55R, Interval 803.1-809.43 m (CSF-A)

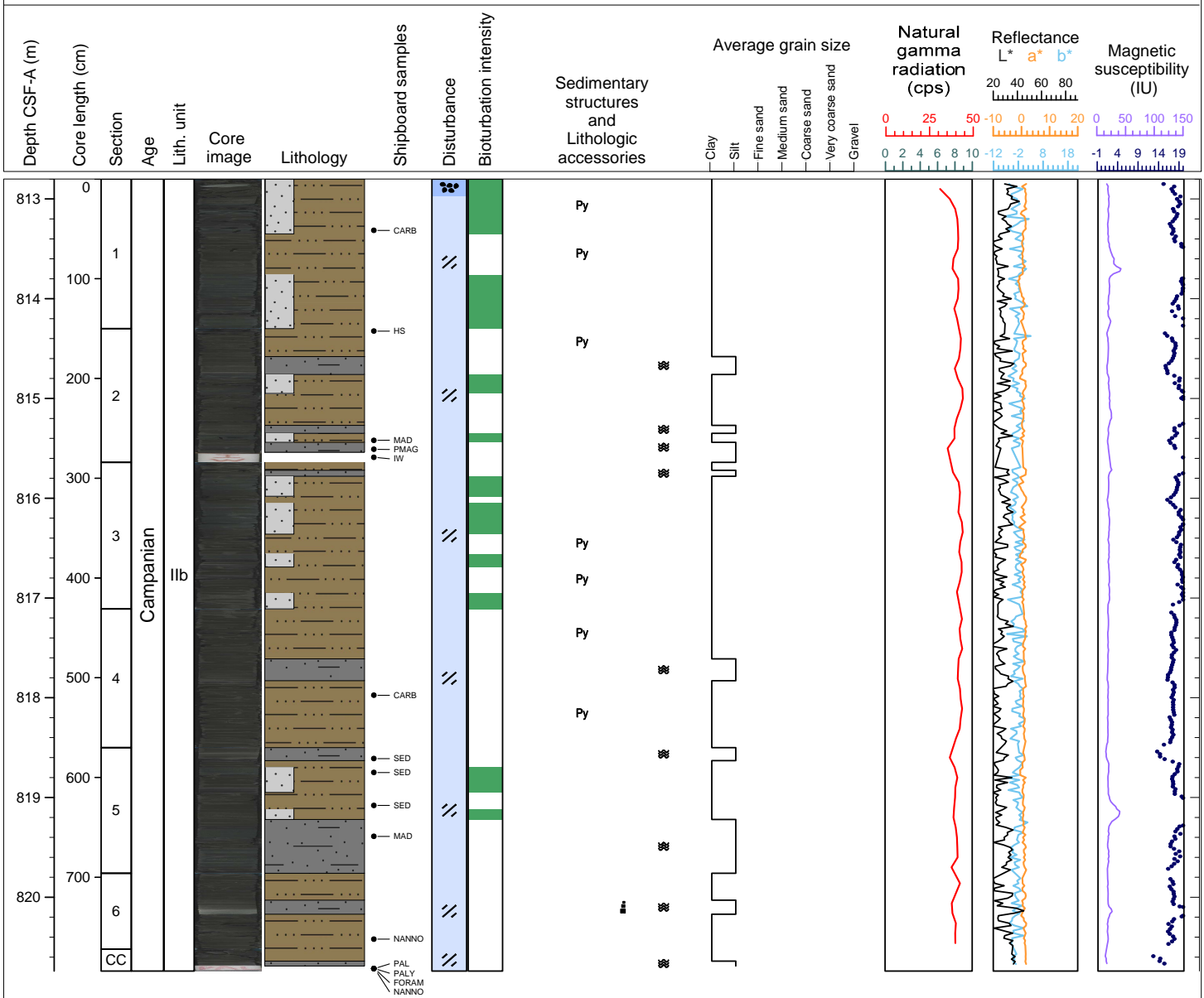
Core U1581B-55R consists of moderately bioturbated, massive, greenish black claystones with variable amounts of silt as the minor component. Several centimeter- to decimeter-scale dark greenish gray laminated siltstone intervals are present throughout the core. Convolute bedding is common in the siltstones. Pyrite patches are common, with prominent patches several mm in size. Shell fragments are common throughout the core. Bioturbation is more intense in the claystones with a larger amount of silt.





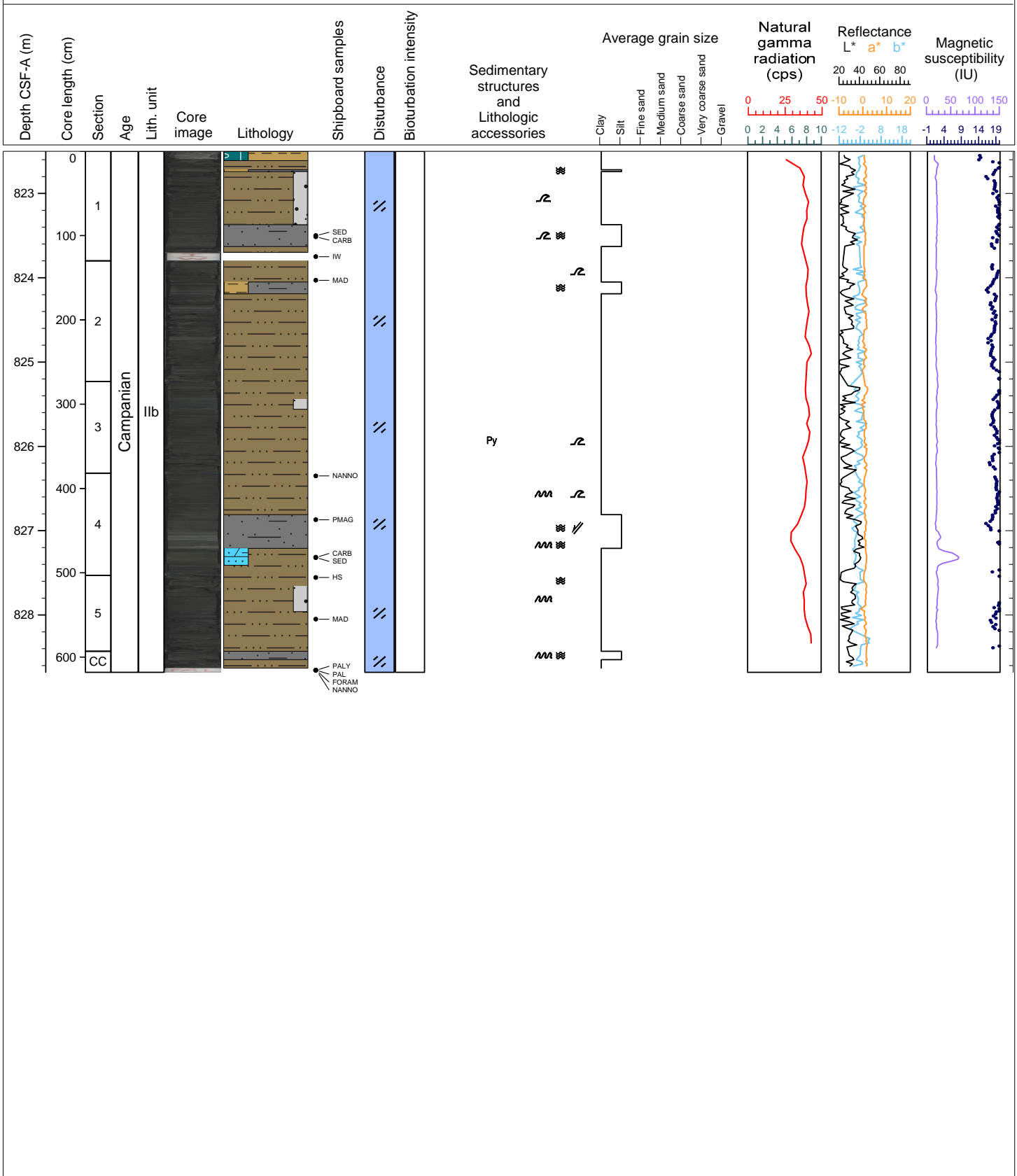
Hole 392-U1581B Core 56R, Interval 812.8-820.74 m (CSF-A)

Core U1581B-56R consists of very dark greenish gray claystone and silty claystone and dark greenish gray laminated siltstone. The siltstone intervals are decimeter scale, occurring approximately once or twice per section. There is one thicker gray siltstone that is normally graded in Section 6. Bioturbation is sparse to moderate. Section 1, 0-16 cm, is fall-in material, and the rest of the core is slightly fractured.



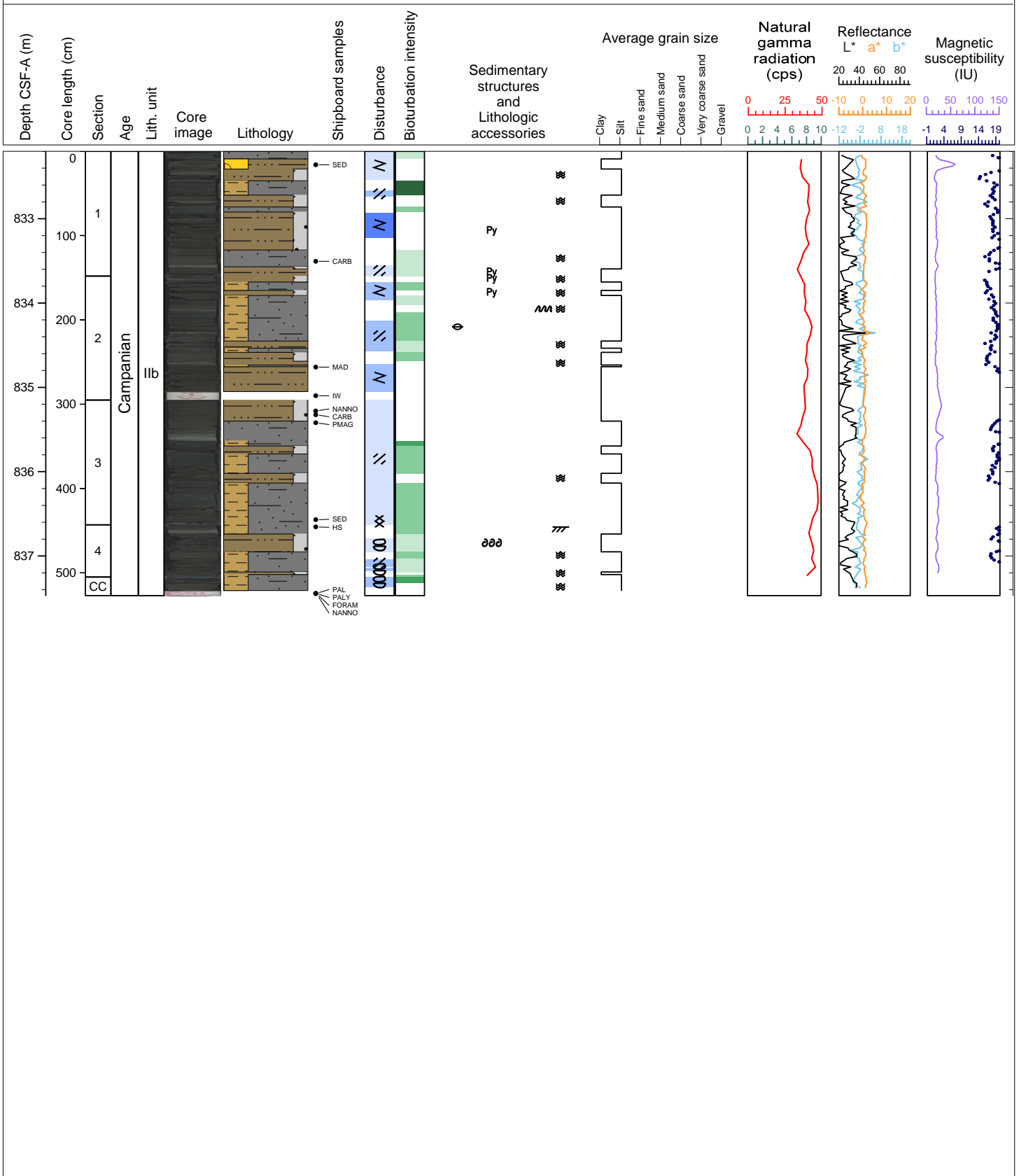
Hole 392-U1581B Core 57R, Interval 822.5-828.68 m (CSF-A)

Core U1581B-57R consists of very dark greenish gray claystone and silty claystone and dark greenish gray laminated siltstone. The siltstone intervals are decimeter scale, occurring approximately once or twice per section. Microfaults are noted at Section 4, 49-81 cm. Bioturbation is sparse to moderate. The core is slightly fractured throughout.



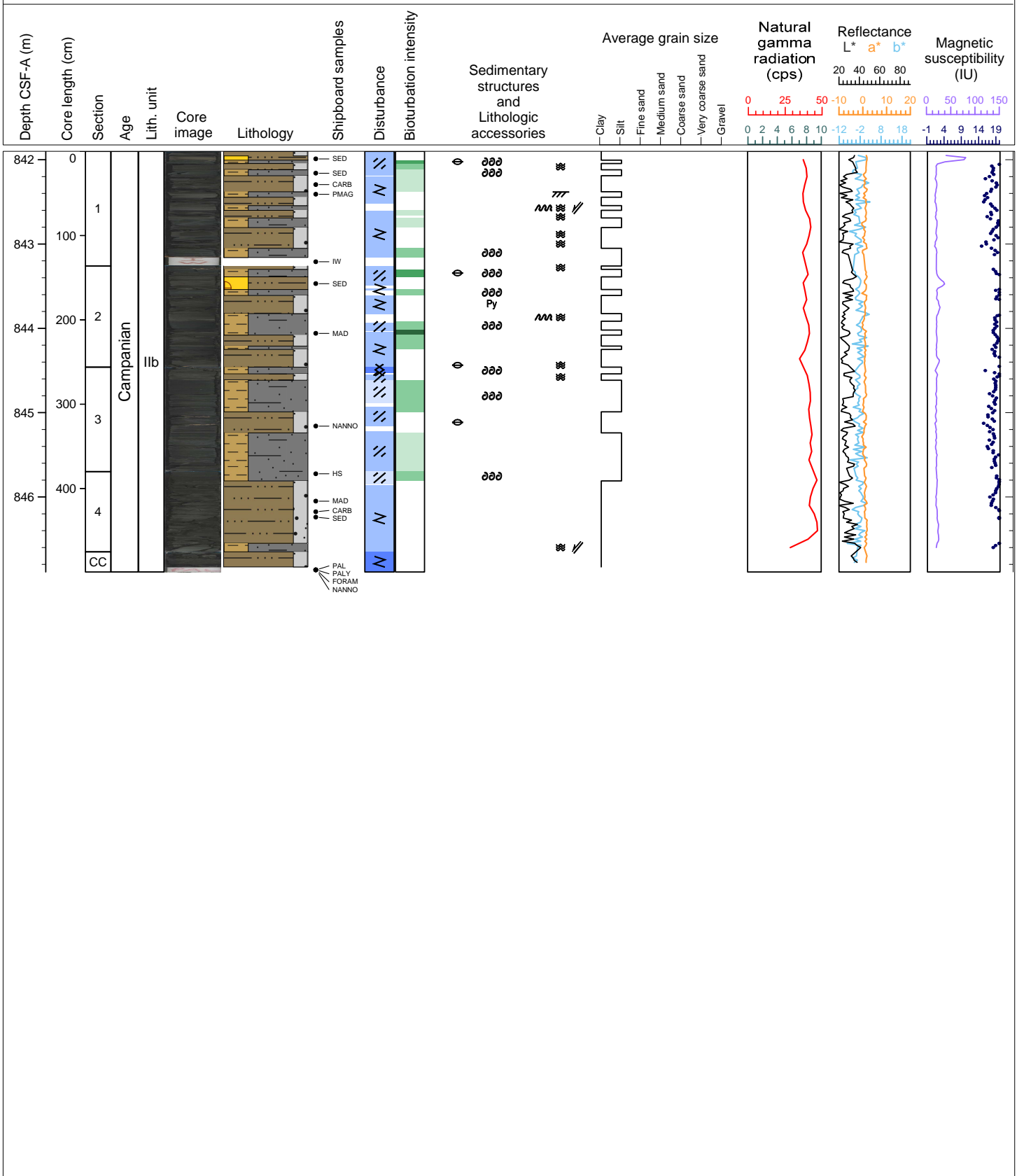
Hole 392-U1581B Core 58R, Interval 832.2-837.47 m (CSF-A)

Core U1581B-58R consists of very dark greenish gray claystone and silty claystone and dark greenish gray laminated siltstone. The siltstone intervals are decimeter scale, occurring approximately once or twice per section. There are light gray thinly laminated siltstone intervals in each section that span ~1-20 cm. Bioturbation is sparse to moderate. Drilling disturbance ranges from absent to severe (fractured, fragmented, brecciated, biscuited).



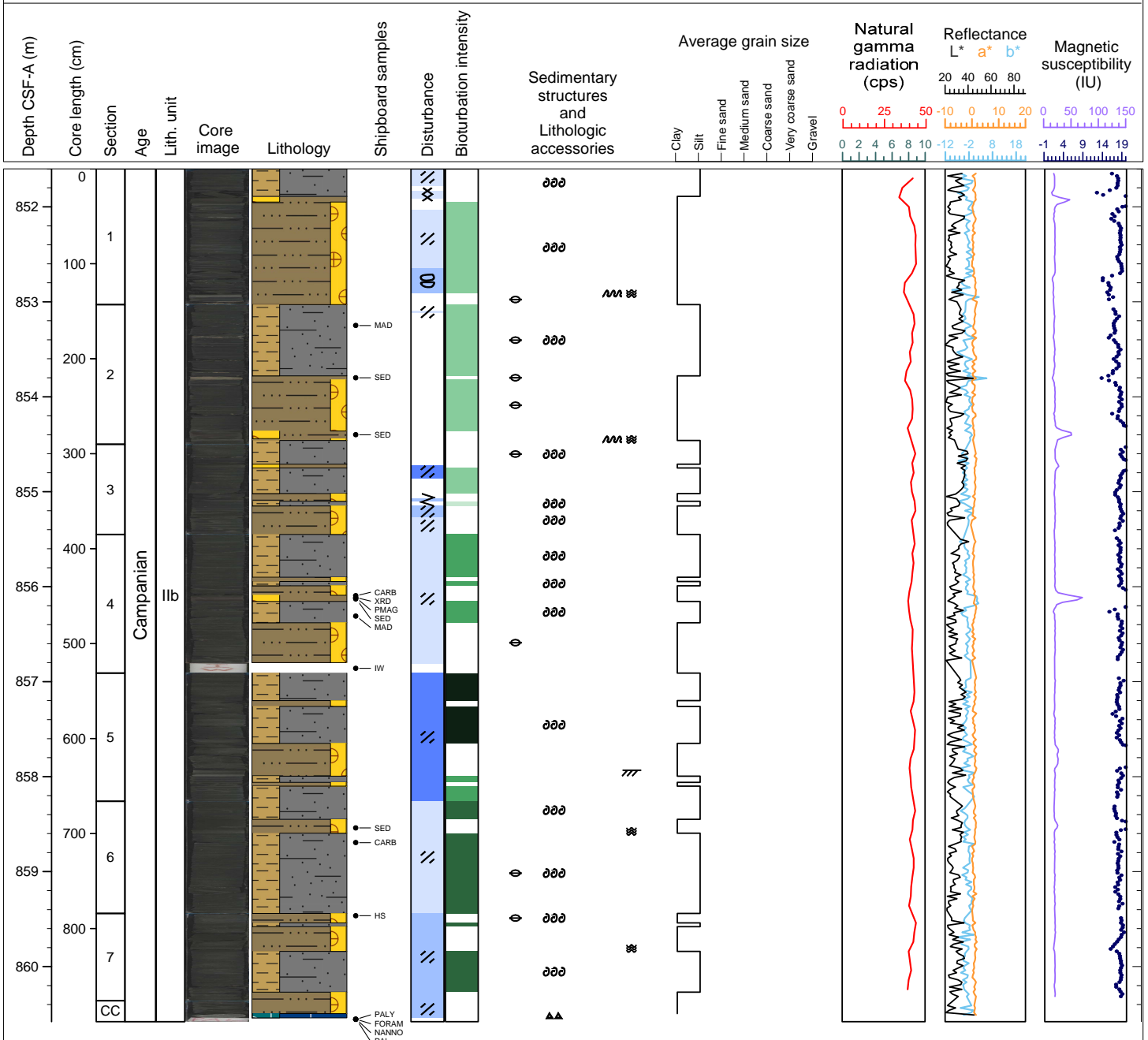
Hole 392-U1581B Core 59R, Interval 841.9-846.89 m (CSF-A)

Core U1581B-59R consists predominantly of very dark greenish gray claystone with silt and silty claystone. There are two intervals in Sections 1 (5.5-10.5 cm), and 2 (13-28 cm), that are made up of sideritic clay. There are light gray thinly laminated siltstone intervals in Sections 1-3 that span ~3-15 cm. Microfaulting is noted in Sections 1 (64.5-70 cm), and 4 (91-92 cm), and there are inoceramids in Sections 1 (11 cm), 2 (4 cm and 118-120 cm) and 3 (3-4 cm, 57-60 cm, 67-69 cm and 95 cm). Bioturbation is sparse to high. Drilling disturbance ranges from slight to severe (fractured, fragmented and brecciated).



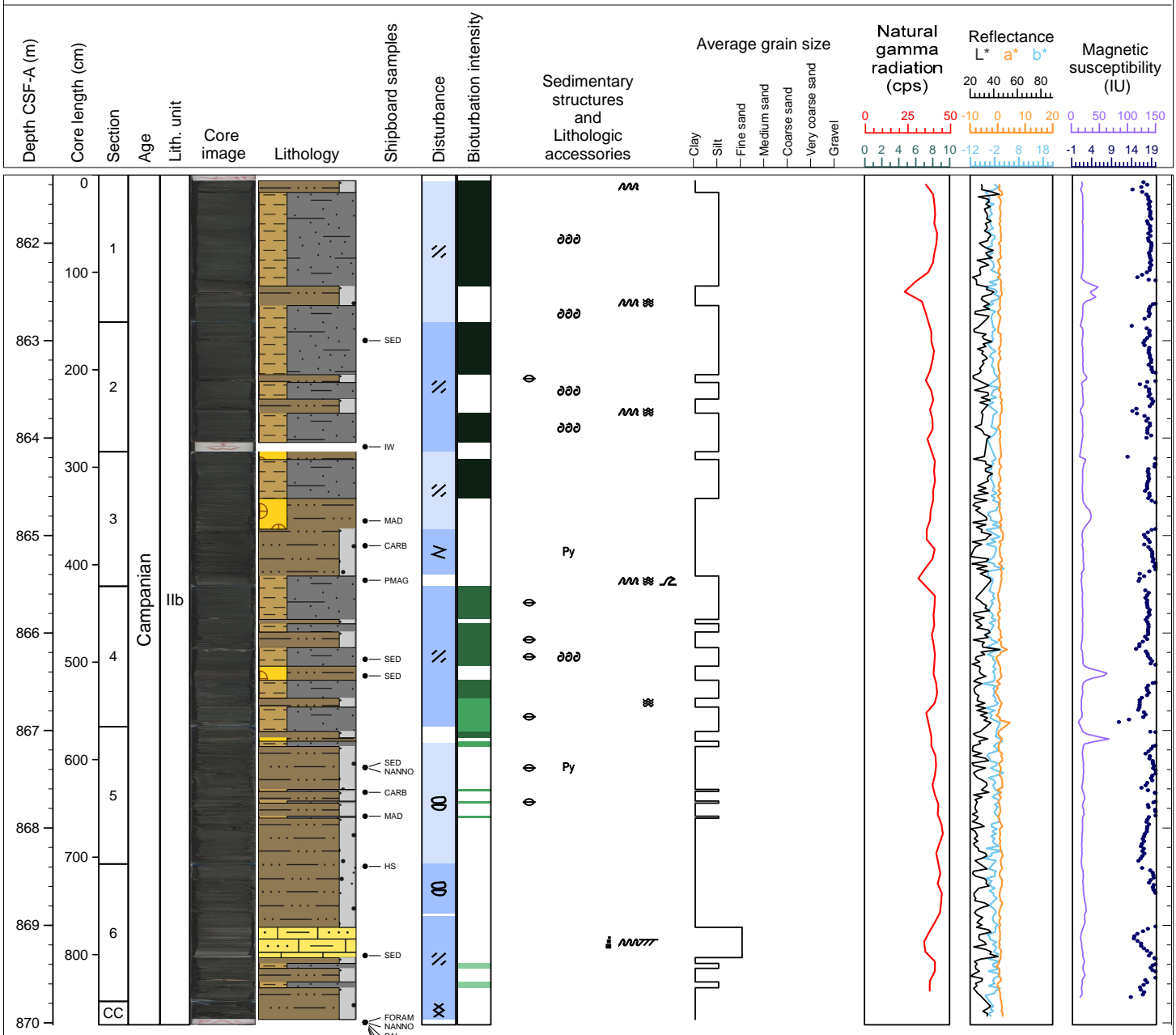
Hole 392-U1581B Core 60R, Interval 851.6-860.58 m (CSF-A)

Core U1581B-60R consists predominantly of very dark green to black clayey siltstone and clay with siderite. In Section 1, 29-35 cm, there is a light brown siderite-rich claystone interval that is massive. There are inoceramid (bivalve) fragments in Sections 1 (137-140 cm), 2 (33-35, 58-59, 71, 78-78.5, and 115-116 cm), 3 (14-15 and 40-41 cm), 4 (110.5-112 cm), 6 (90-82 cm), and 7 (0-1 cm). There are thinly laminated clayey silt intervals in Sections 1 (36-37 cm), 3 (58-29 cm), 5 (102-108 cm - cross bedding), 6 (30-34 cm), and 7 (35-39 cm). In Section CC, 13-18 cm, there is a silicified interval. Drilling disturbance ranges from absent to severe (fractured, biscuited, brecciated).



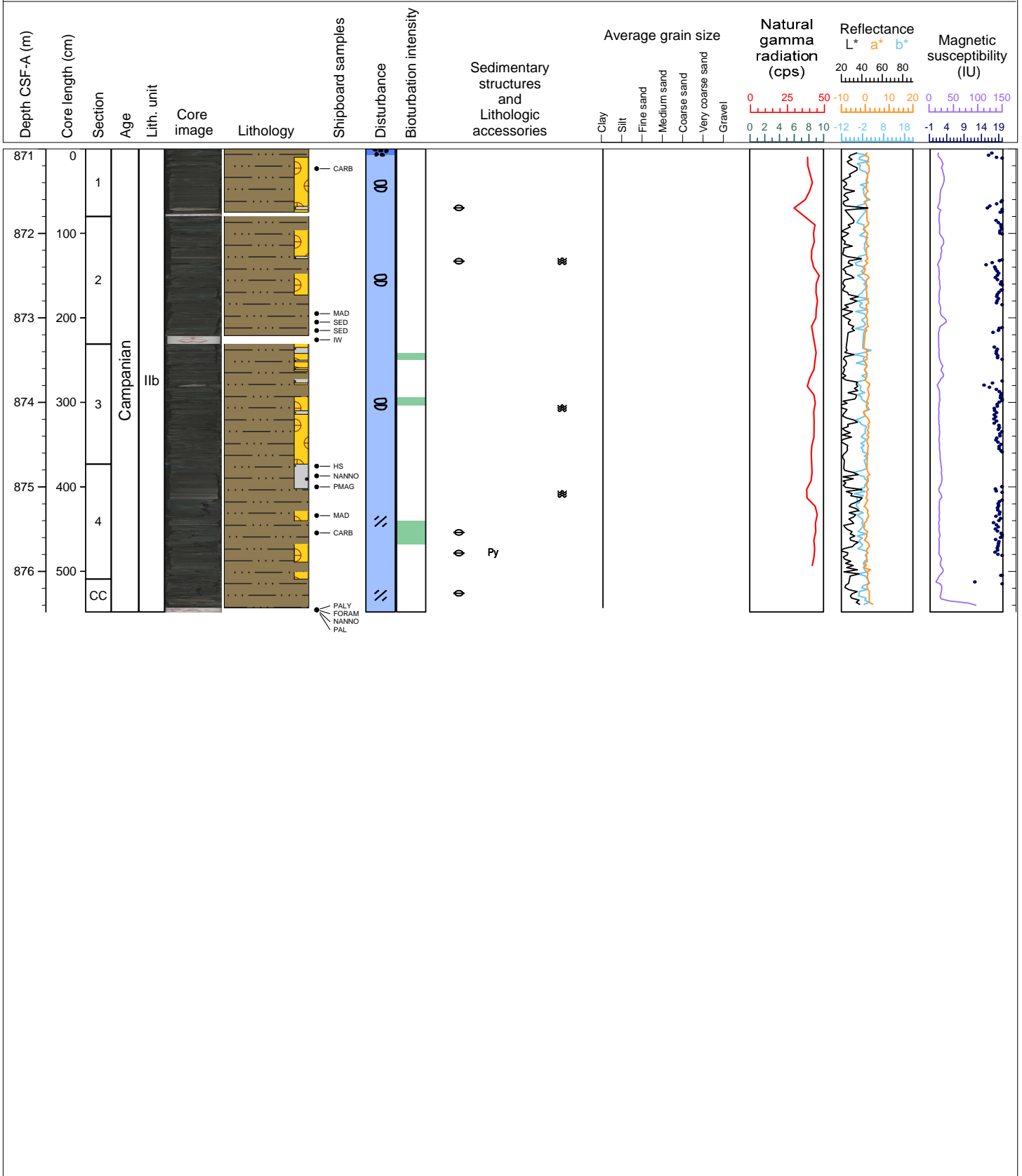
Hole 392-U1581B Core 61R, Interval 861.3-870.02 m (CSF-A)

Core U1581B-61R consists predominantly of very dark green to black clayey siltstone, claystone with silt, and massive light brown siderite-rich clay. The siderite-rich clay occurs in Sections 3 (0-8 and 48-79.5 cm), 4 (82-96.5 cm) and 5 (11.5-15 cm). There are inoceramid (bivalve) fragments in Sections 2 (60-62 cm), 4 (33, 58, 64-65, 127-128, 138-139 and 143 cm), 5 (63.5-64.5 cm) and 6 (118-120 cm). Section 6 contains a normal graded interval of fine sand grading into silt, with cross-bedding and convolute structures. Drilling disturbance ranges from absent to moderate (fractured, fragmented, biscuited, brecciated).



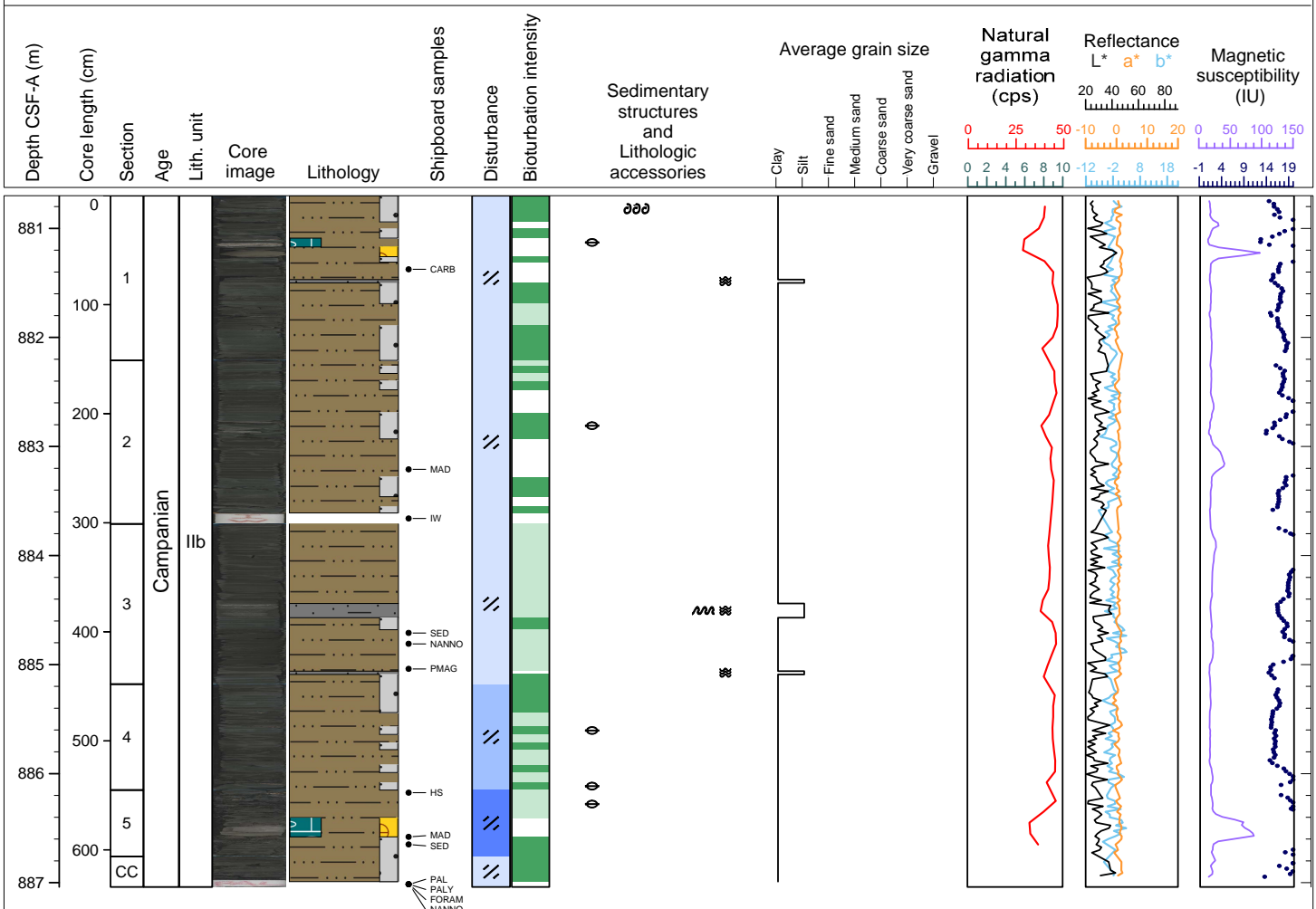
Hole 392-U1581B Core 62R, Interval 871.0-876.48 m (CSF-A)

Core U1581B-62R consists of sparsely bioturbated very dark greenish gray claystone interbedded with moderately bioturbated greenish gray claystone with silt and claystone with siderite. Inoceramid (bivalve) shells are found in Sections 1 (68-72 cm), 4 (71 and 79 cm), and in Section CC (30 cm).



Hole 392-U1581B Core 63R, Interval 880.7-887.04 m (CSF-A)

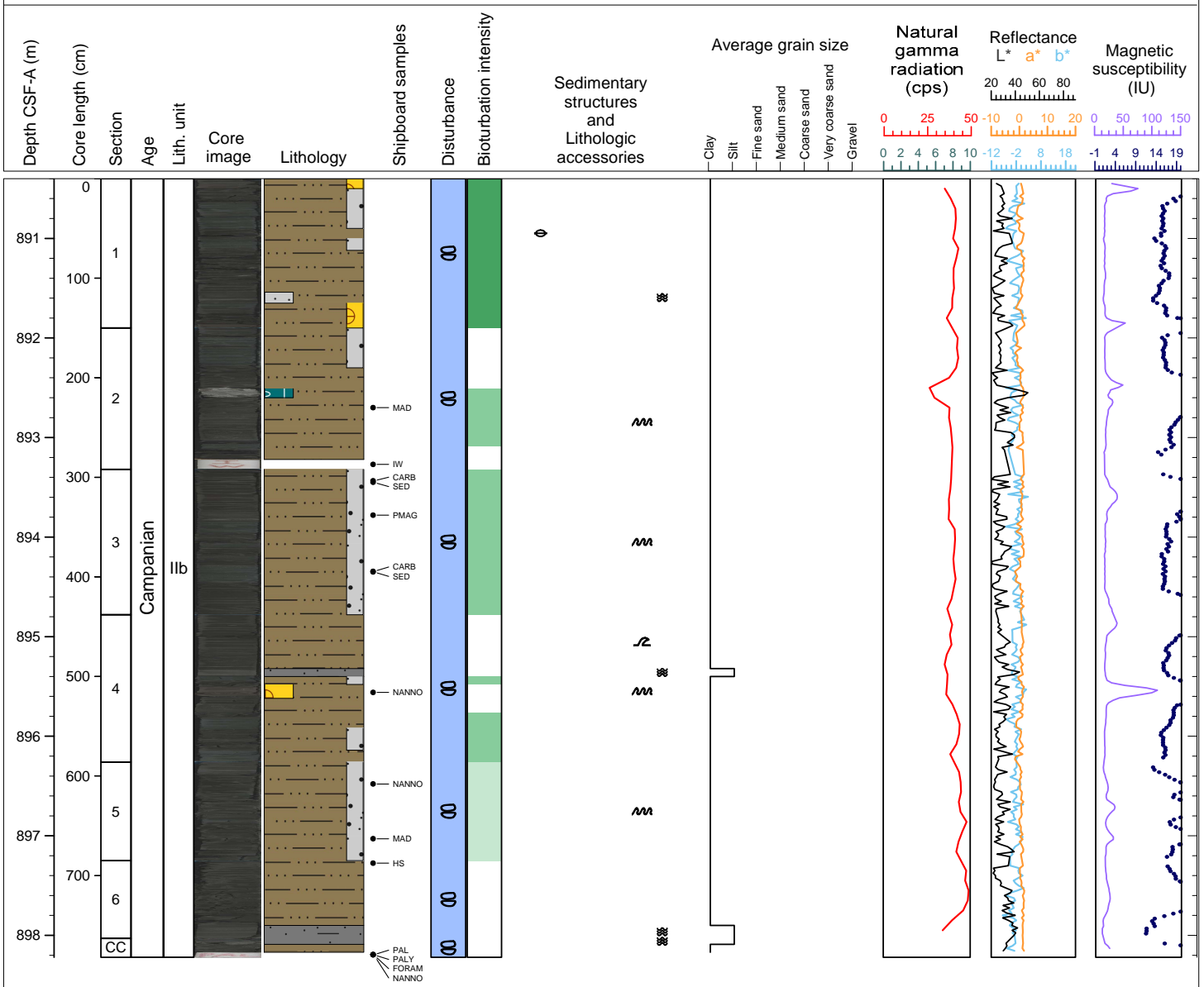
Core U1581B-63R consists of moderately bioturbated very dark greenish gray claystone with silt interbedded with sparsely bioturbated greenish gray claystone. Inoceramids occur in Sections 1, 2, 4 and 5 within the claystone with silt facies. Section 1, 50 cm, contains a silicified interval of claystone with silt and claystone with siderite. Section 3, 73-86 cm, contains one ~15 cm-thick interval of siltstone showing lamination and convolute bedding.





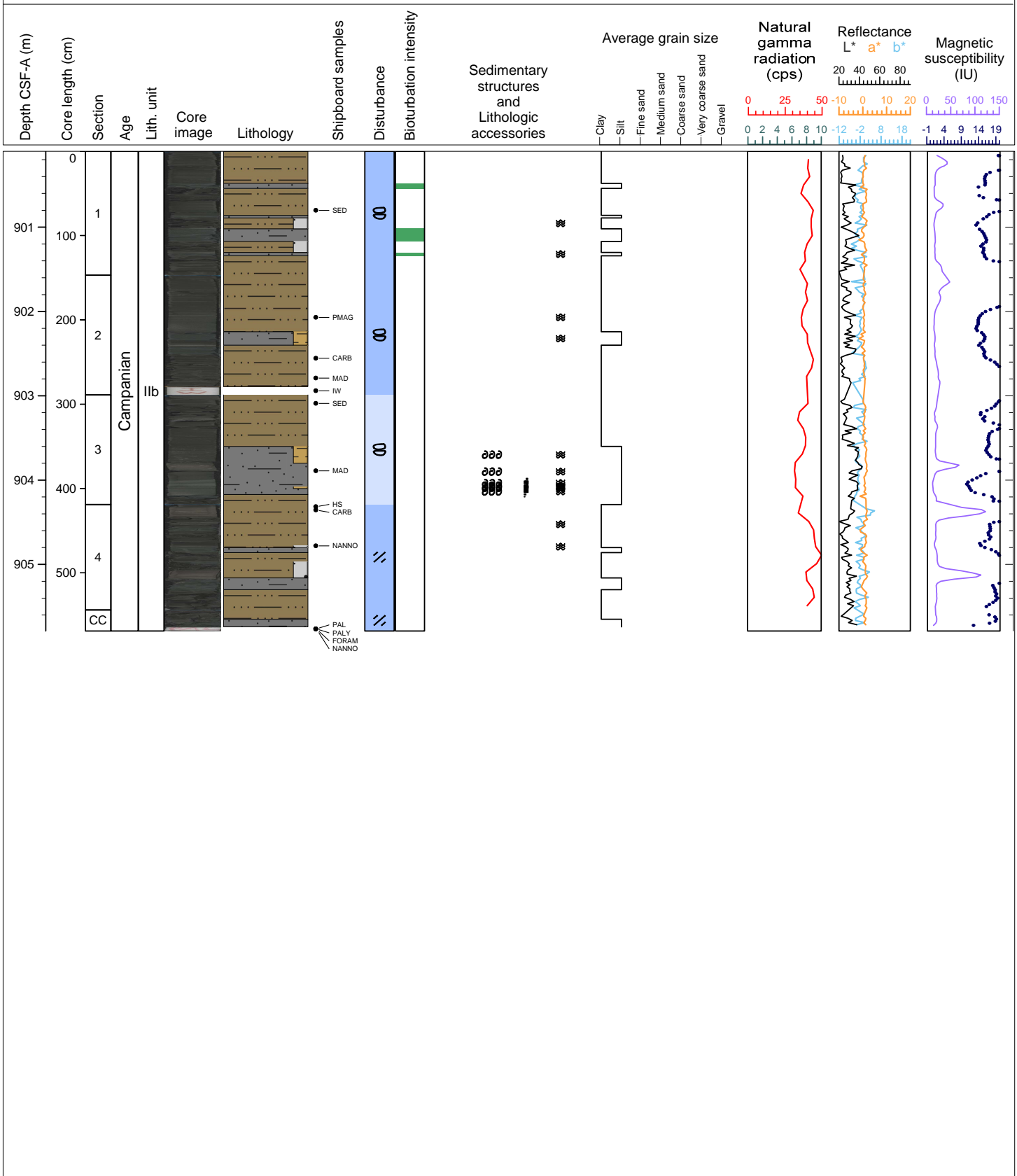
Hole 392-U1581B Core 64R, Interval 890.4-898.22 m (CSF-A)

Core U1581B-64R consists of slightly bioturbated very dark greenish gray claystone interbedded with moderately bioturbated greenish gray claystone. Inoceramids occur in Sections 1, 60 cm within the claystone with silt facies. A silicified interval of claystone occurs in Section 1, 0-5 cm, and Section 2, 61-70 cm. Claystone with siderite occurs in Section 1, 125-148 cm, and sideritic claystone occurs in Section 4, 70-84 cm.



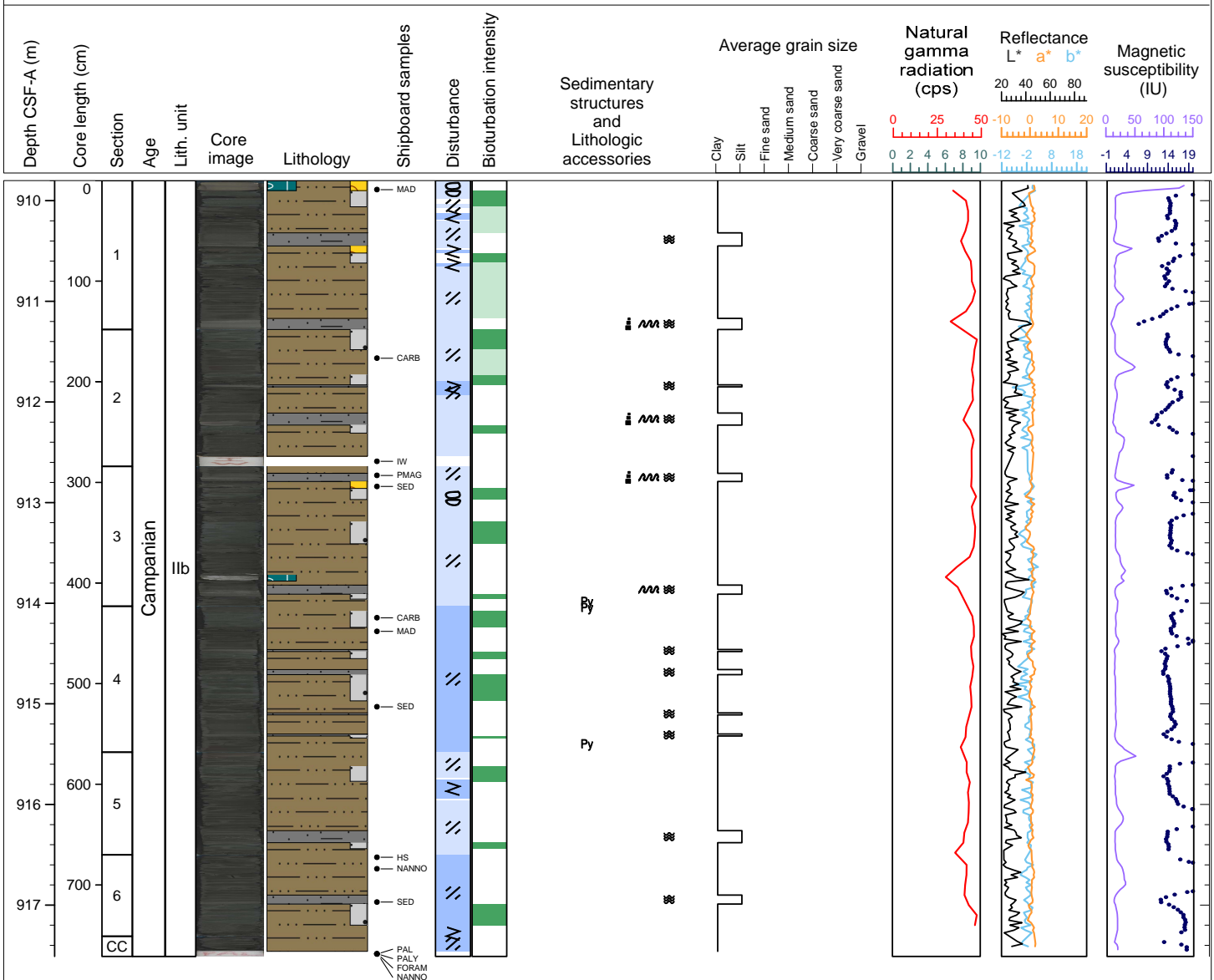
Hole 392-U1581B Core 65R, Interval 900.1-905.79 m (CSF-A)

Core U1581B-65R consists of slightly bioturbated very dark greenish gray claystone interbedded with moderately bioturbated greenish gray claystone. Section 3, 61-118 cm consists of thinly laminated siltstones showing both normal and inverse grading. Shell fragments are present in this interval. The entire core is slightly to moderately fractured or biscuited.



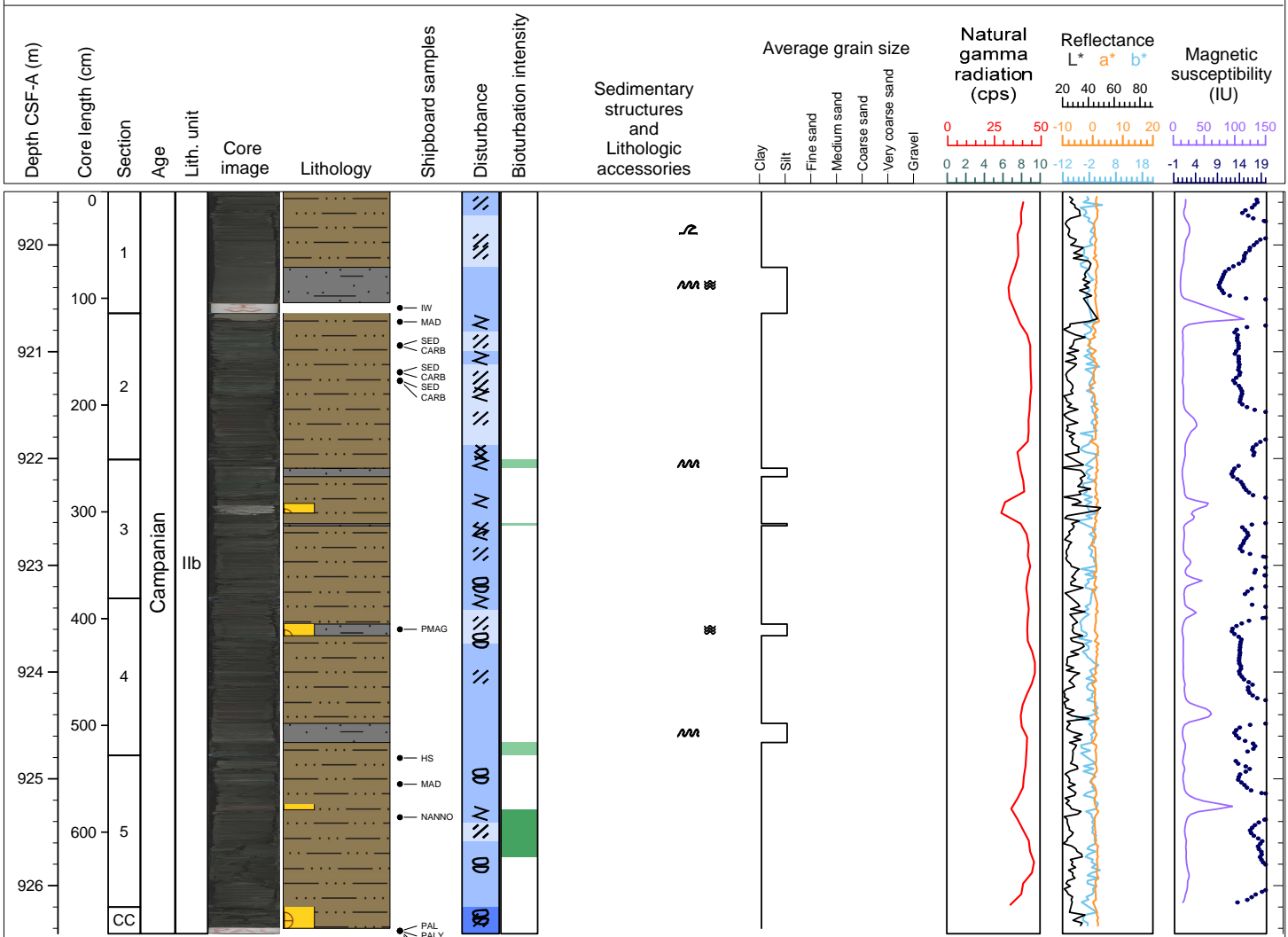
Hole 392-U1581B Core 66R, Interval 909.8-917.51 m (CSF-A)

Core U1581B-66R consists of repeating ~meter-scale sequences of moderately bioturbated very dark greenish gray claystone with silt overlying greenish gray claystone above cm-scale laminated gray siltstone. Section 1, 0-10 cm, is silicified claystone with siderite. Pyrite occurs as mm-scale nodules in the claystone facies of Sections 4 and 5.



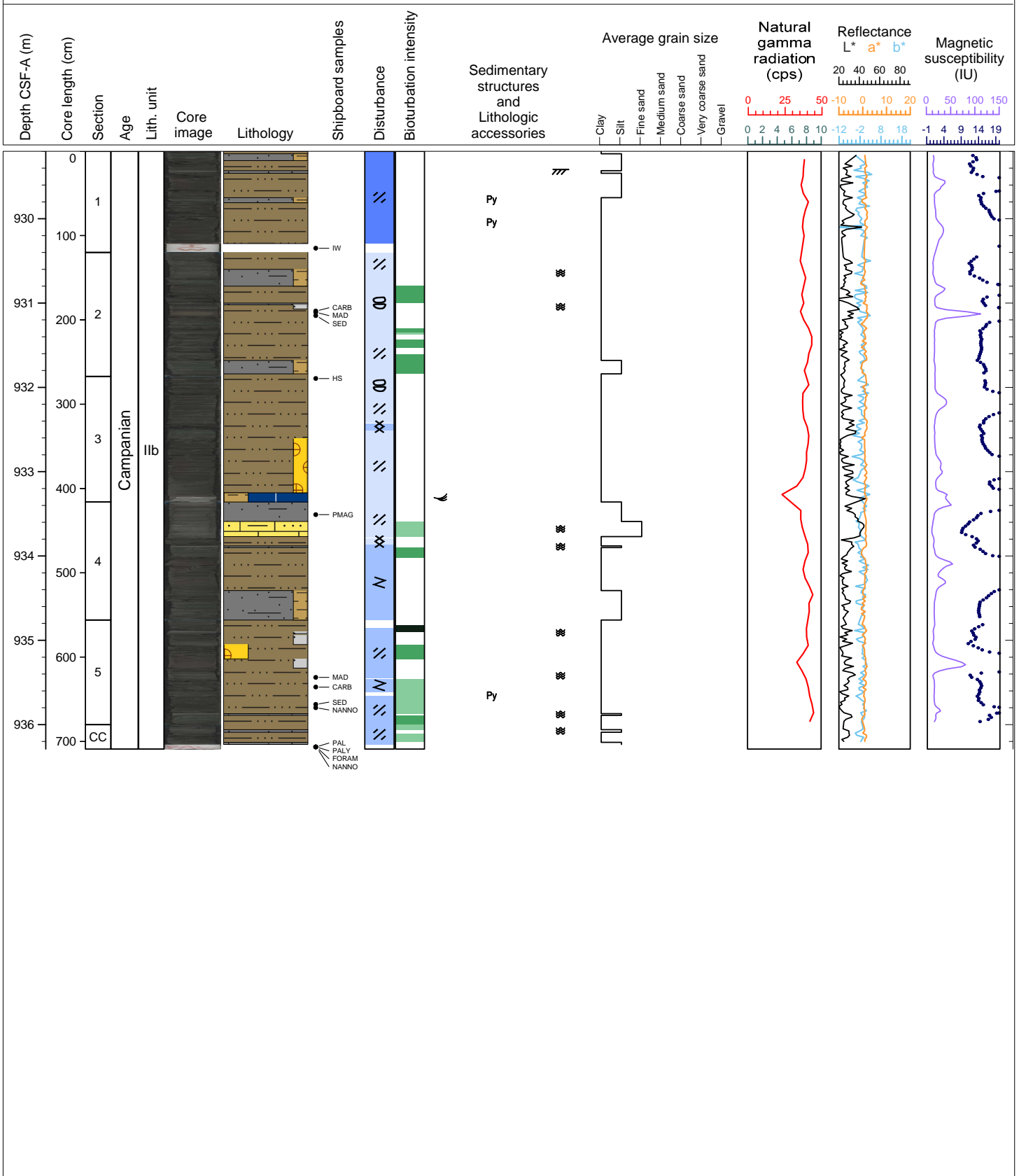
Hole 392-U1581B Core 67R, Interval 919.5-926.45 m (CSF-A)

Core U1581B-67R consists of slightly bioturbated very dark greenish gray claystone interbedded with moderately bioturbated greenish gray claystone, greenish gray sideritic claystone and rare thinly laminated siltstones with convolute lamination. In Section 5, thin convolute laminae of siltstone occur at 7, 8, 18 and 20 cm. The entire core is slightly to moderately fractured or biscuited.



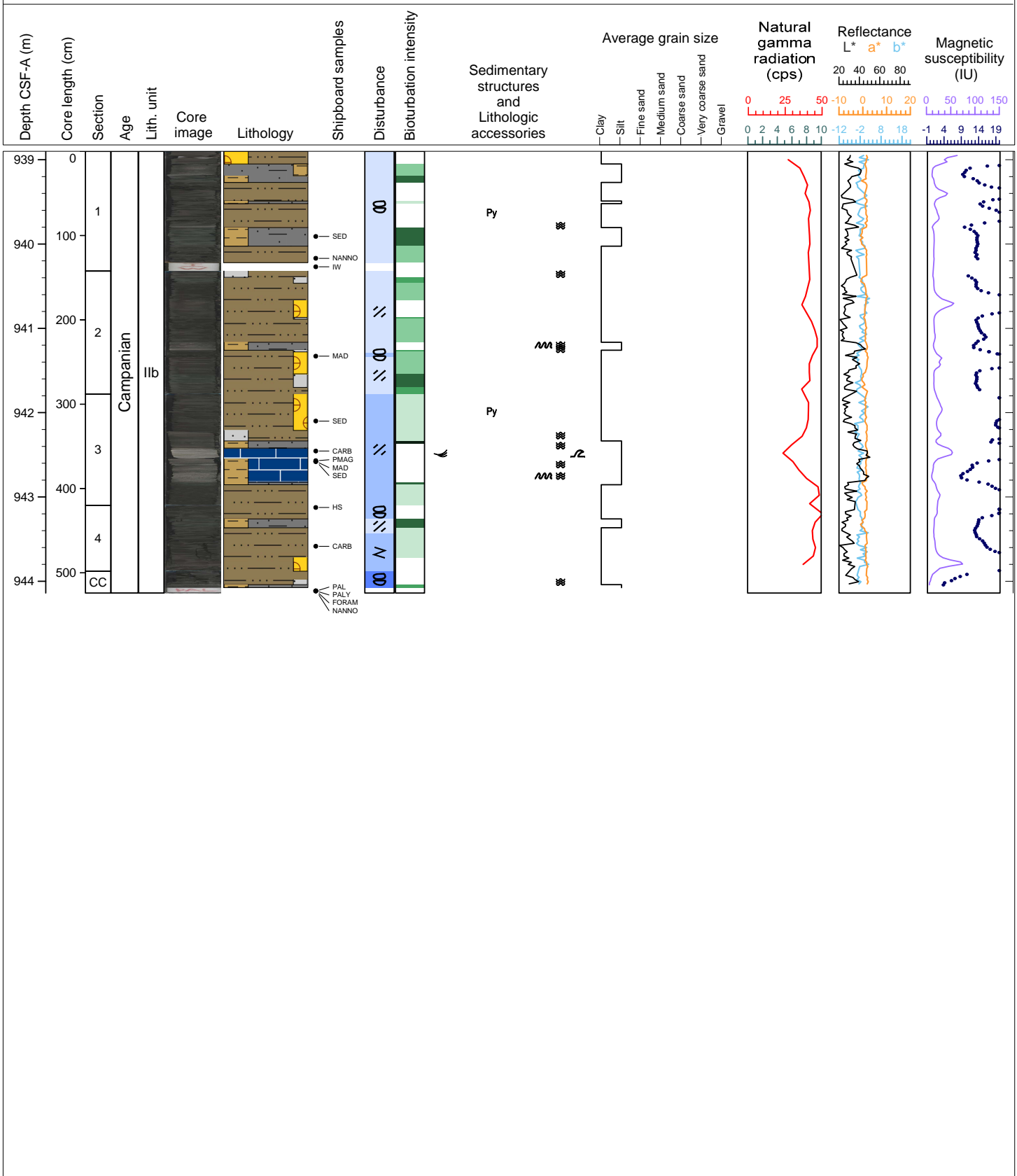
Hole 392-U1581B Core 68R, Interval 929.2-936.29 m (CSF-A)

Core U1581B-68R consists of slightly to moderately bioturbated very dark greenish gray claystone interbedded with greenish gray claystone, greenish gray sideritic claystone and rare thinly laminated siltstones. A clayey limestone interval is found in Section 3, 138-149 cm that shows flaser bedding and some features probably associated with dissolution and reprecipitation of carbonates. Cross-bedding is observed in Section 1, 23-26 cm. Section 1 shows severe fracturing, while the rest of the core is slightly to moderately fractured or biscuited.



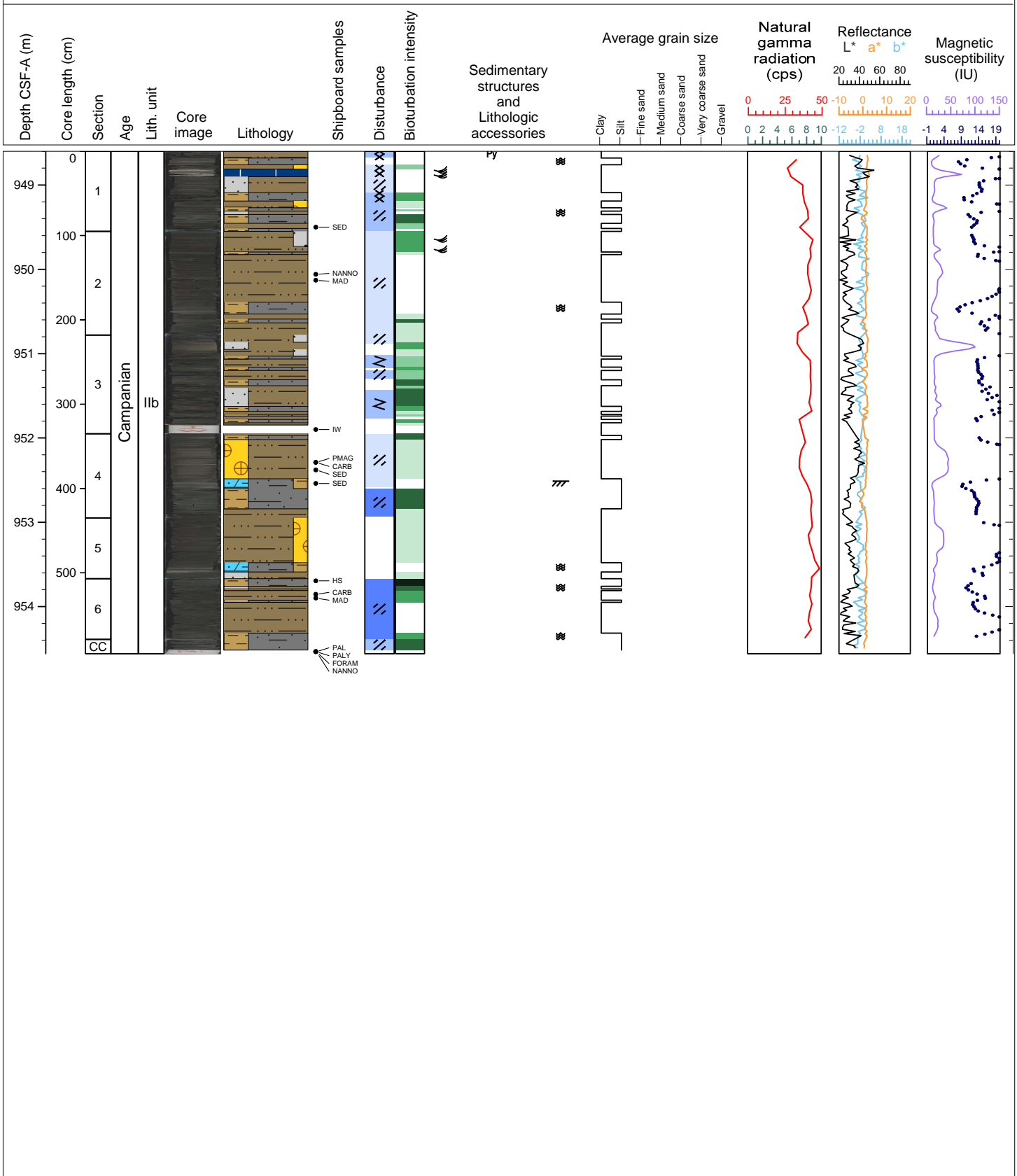
Hole 392-U1581B Core 69R, Interval 938.9-944.14 m (CSF-A)

Core U1581B-69R consists of black and very dark green claystone and clayey siltstone. In Sections 1 (0-16 cm), 2 (35-54 cm), and 4 (63-74 cm), there are intervals of dark brown claystone with siderite and siderite-rich claystone. Bioturbation intensity is absent to high, with most occurring in the dark green clayey silt intervals. In Section 3, 64-77 cm, is a brownish limestone interval with pronounced white calcareous dissolution seams and shear zone. Drilling disturbance ranges from slight to severe (fractured, fragmented, and biscuited).



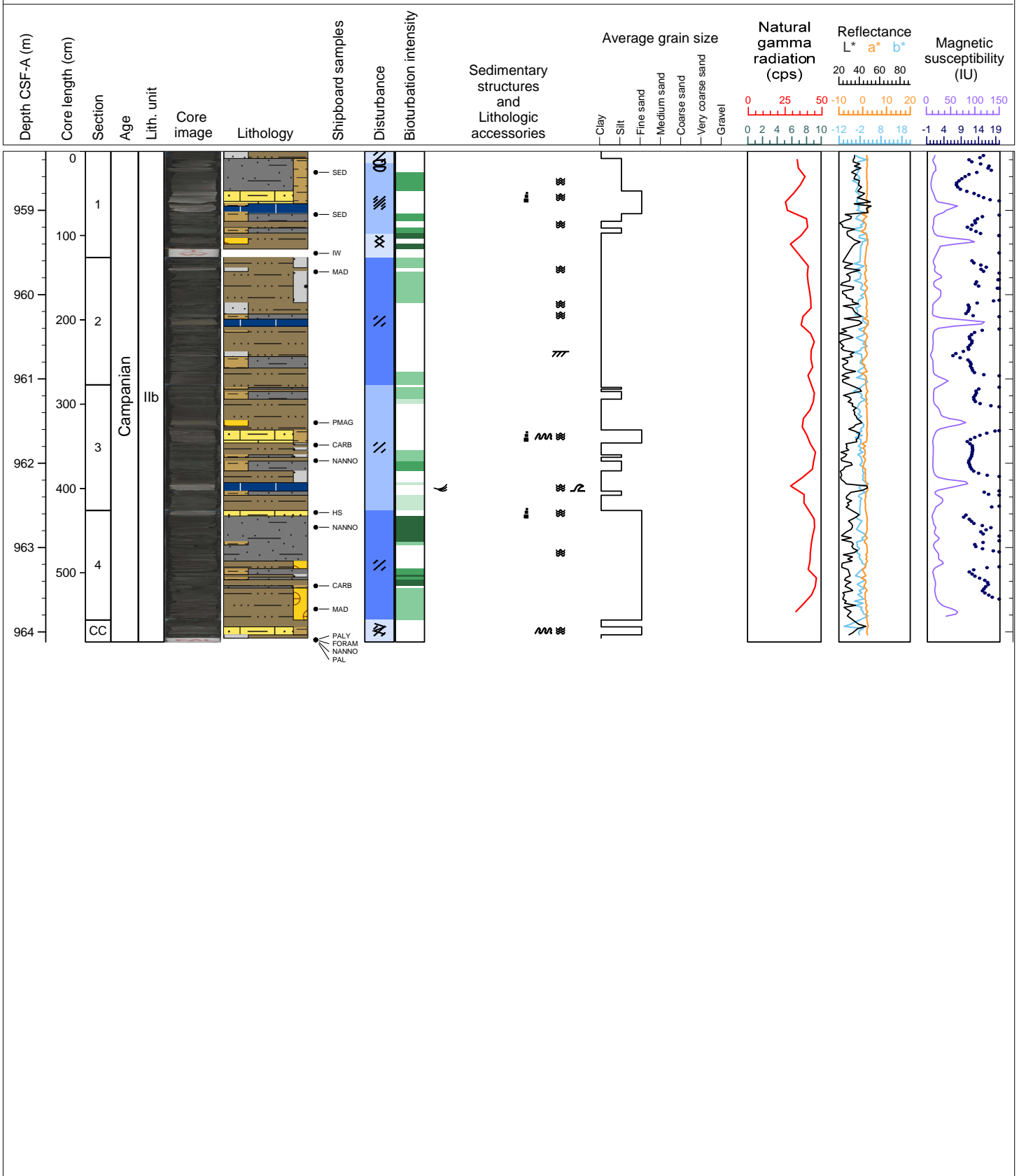
Hole 392-U1581B Core 70R, Interval 948.6-954.56 m (CSF-A)

Core U1581B-70R consists dominantly of black claystones and dark green clayey siltstones. In Sections 3 (9-17 cm), and 4 (6-53 cm), there are intervals of brown siderite-rich claystones. There are 4-10 cm-long intervals of laminated clayey siltstone throughout. In Sections 1 (22-30 cm), and 2 (6-12 cm), there are pronounced white carbonate dissolution seams. Drilling disturbance ranges from slight to severe (fractured, fragmented, and brecciated).



Hole 392-U1581B Core 71R, Interval 958.3-964.12 m (CSF-A)

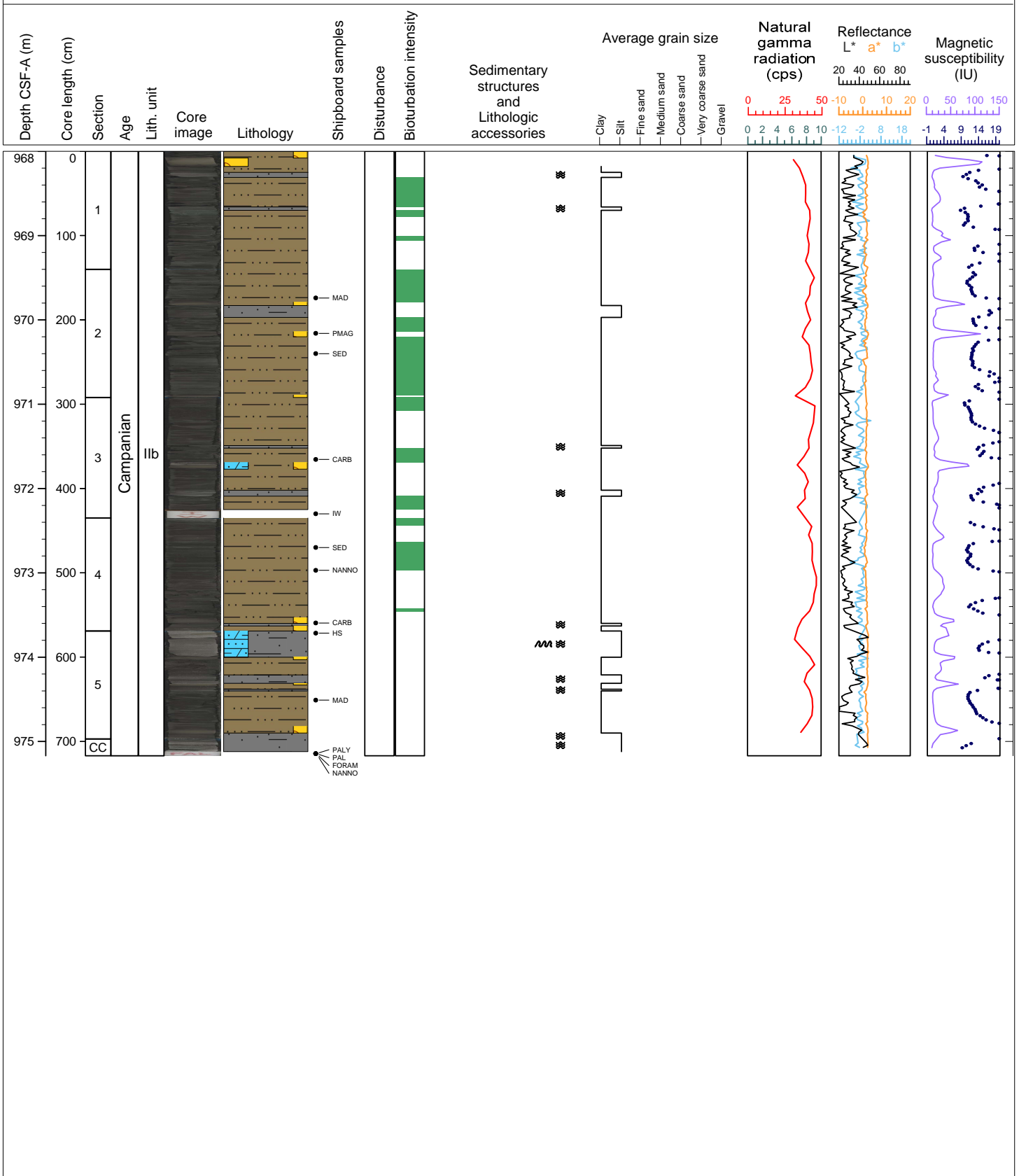
Core U1581B-71R consists dominantly of black claystones and dark green clayey siltstones. In Sections 1 (61-73 cm), and 3 (116-125 cm), there are intervals of limestone with white calcareous dissolution seams and shear zones. There are brown clay intervals in Sections 1 (102-110 cm), 3 (41-50 cm), and 4 (40-69 and 108-129 cm), with common to abundant siderite. There are 1-40 cm-long intervals with finely laminated clayey silts in each section. Drilling disturbance ranges from slight to severe (fractures, fragmented, brecciated, and biscuited).





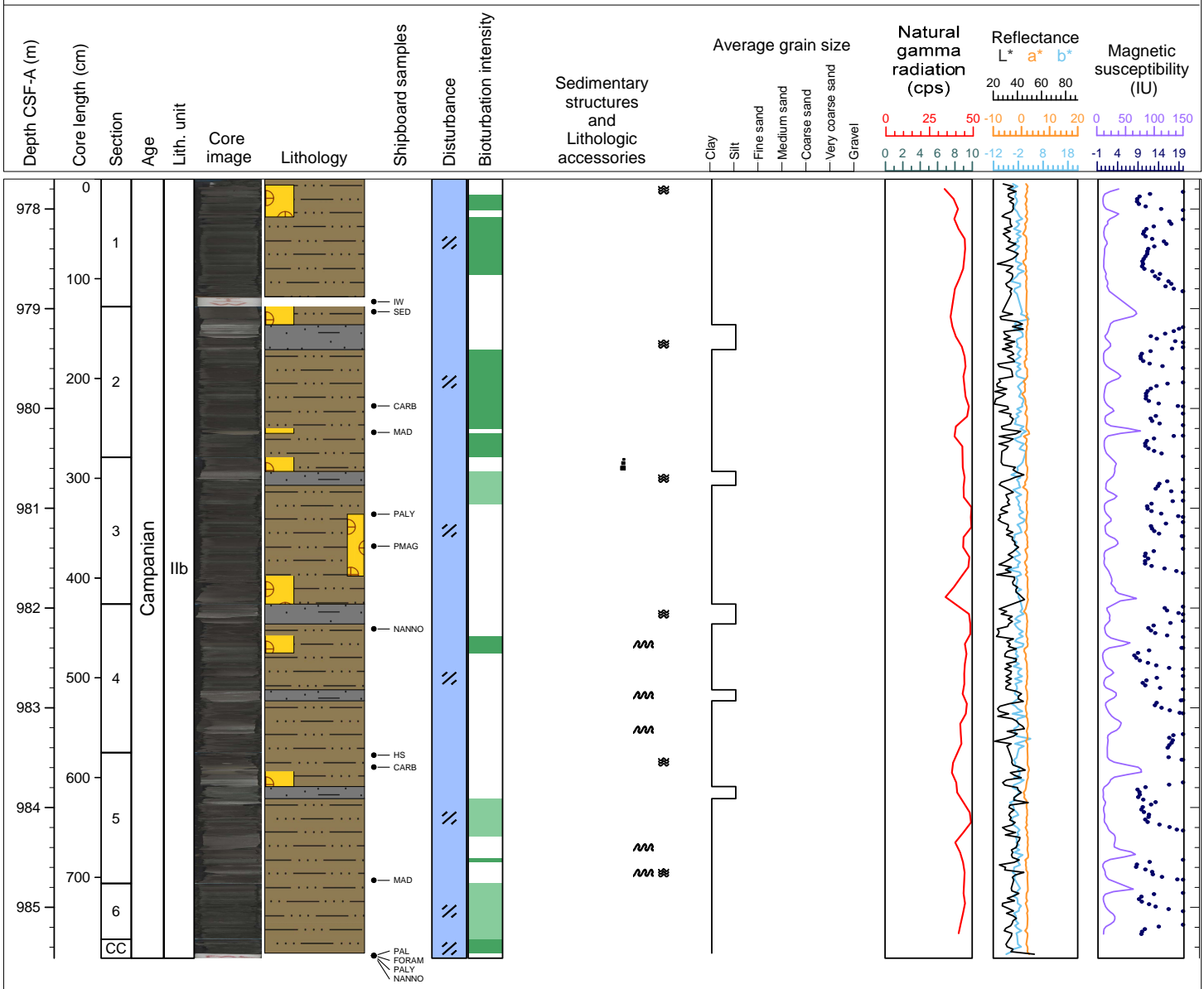
Hole 392-U1581B Core 72R, Interval 968.0-975.17 m (CSF-A)

Core U1581B-72R consists of greenish black to dark greenish gray claystone with discrete beds of laminated gray siltstone and dark gray claystone with siderite. Bioturbation is absent to moderate in the claystone facies, and the entire core is slightly fractured by drilling. The largest siltstone bed occurs in Section 5 and also features convolute bedding and is moderately calcified.



Hole 392-U1581B Core 73R, Interval 977.7-985.51 m (CSF-A)

Core U1581B-73R consists of black, very dark greenish gray claystone and grayish brown to light olive brown siderite-rich claystone interbedded with centimeter to decimeter scale thinly laminated siltstone. The thickest siltstone bed occurs in Section 1, 18-43 cm and consists of medium- to thin-laminae. Convolute lamination is common in the siltstones, and within some color banded intervals where they are <1 cm in thickness. Low-moderate bioturbation is observed in all sections, more so in the color banded claystone intervals. The entire core is moderately fractured.



Hole 392-U1581B Core 74R, Interval 987.4-994.02 m (CSF-A)

Core U1581B-74R consists of alternating black and very dark greenish gray claystone interbedded with centimeter to decimeter scale laminated siltstone. The thickest siltstone bed, in Section 4, is normally graded. The very dark greenish gray intervals of claystone are moderately bioturbated, while the black intervals are slightly bioturbated or not bioturbated at all. The entire core is slightly fractured, moderately so in Section 5.

