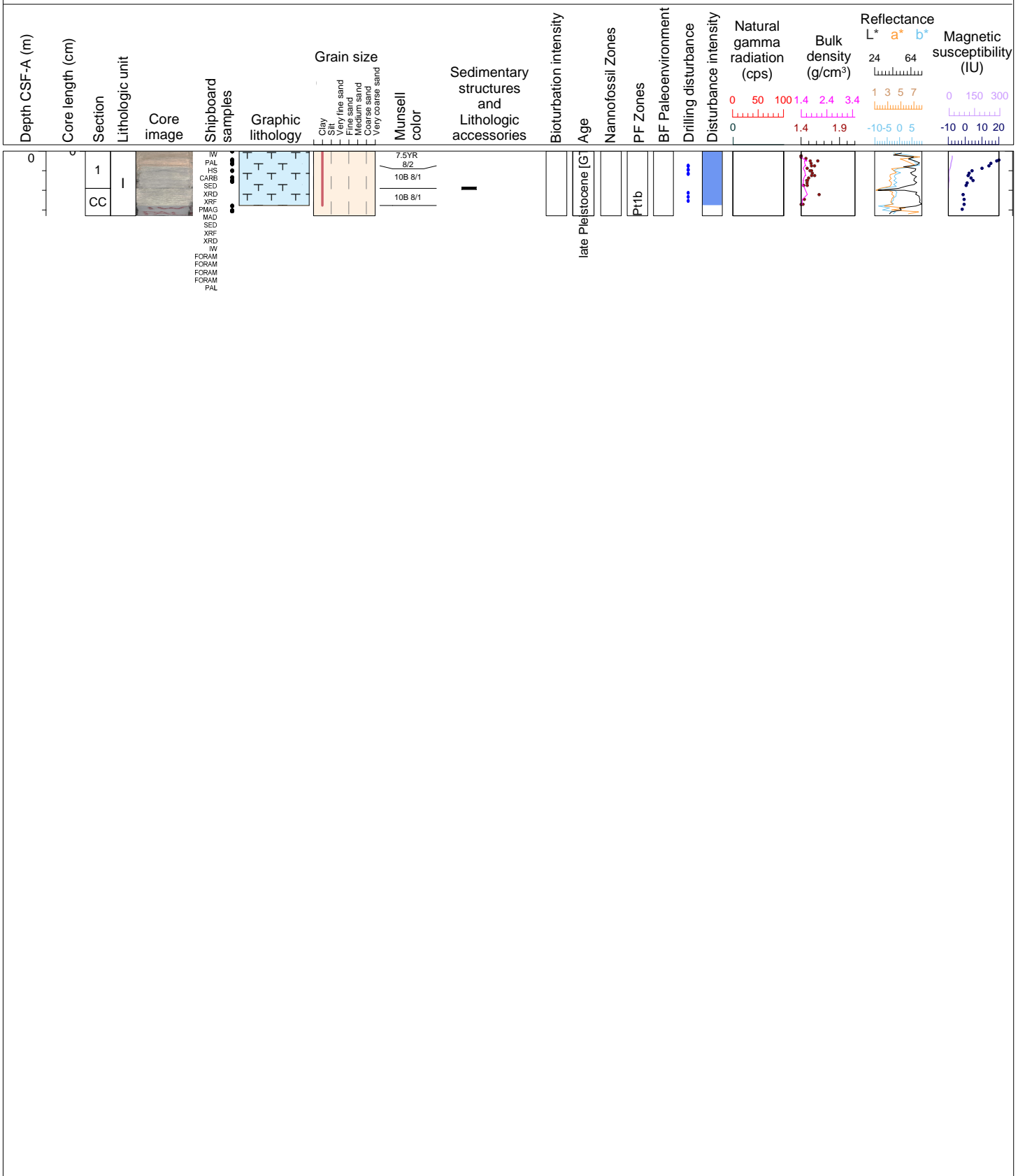


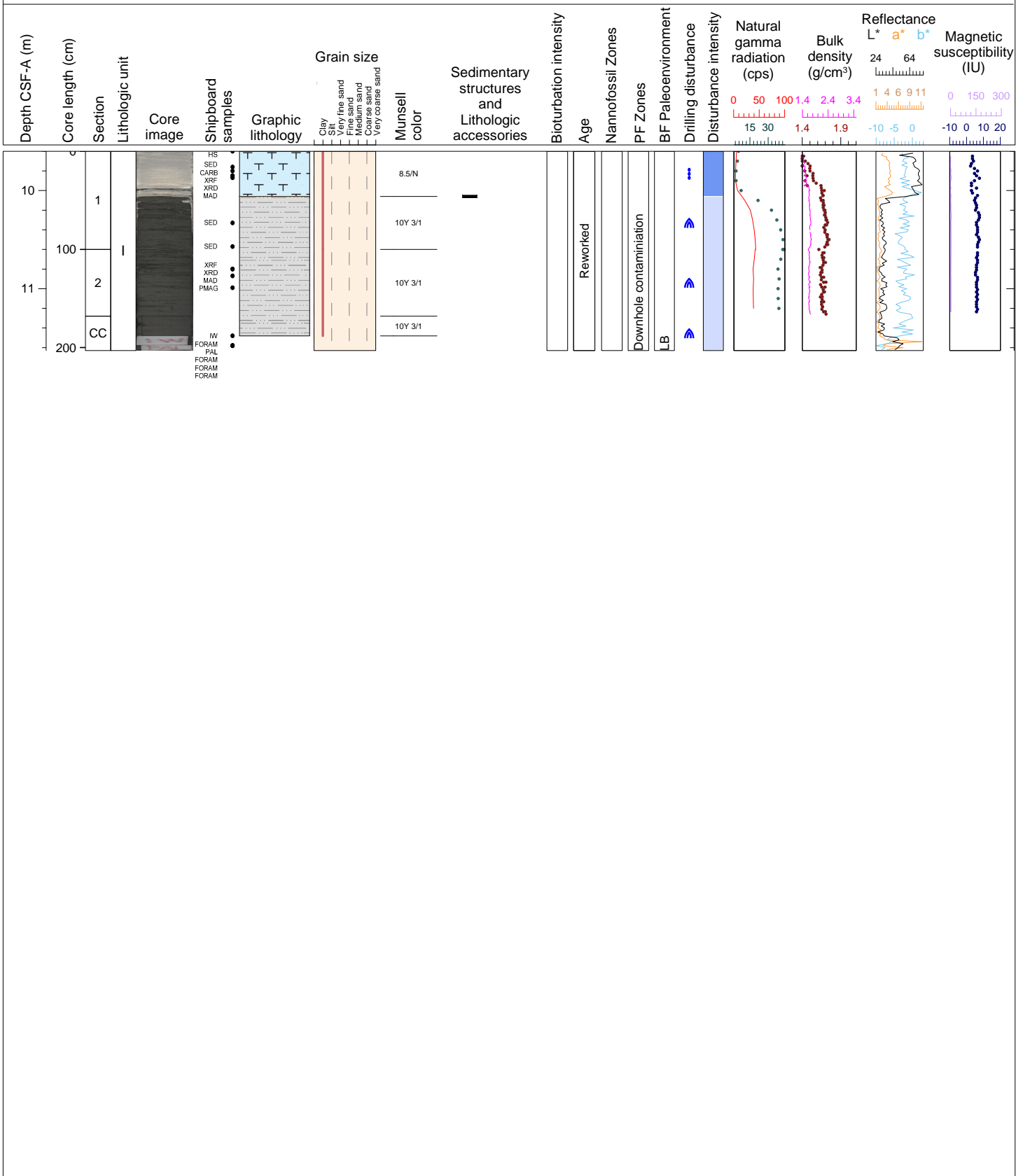
Hole 369-U1512A Core 1R, Interval 0.0-0.66 m (CSF-A)

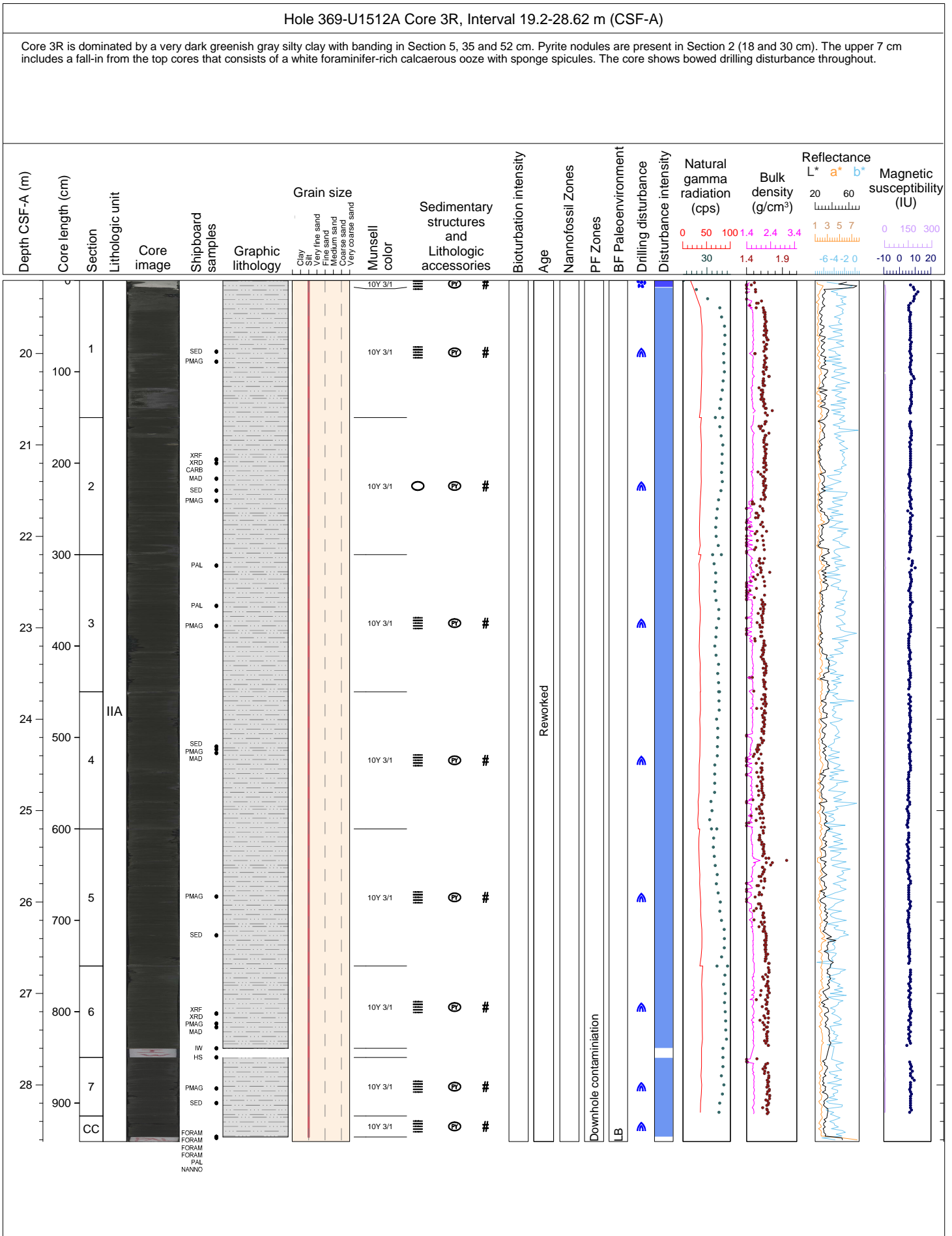
Core recovery is very low for 1R. The lithology is dominated by a pinkish white to light bluish gray foraminifer-rich calcareous ooze with sponge spicules. A sharp boundary can be distinguished at 15 cm in Section 1. The core is soupy throughout.



Hole 369-U1512A Core 2R, Interval 9.6-11.63 m (CSF-A)

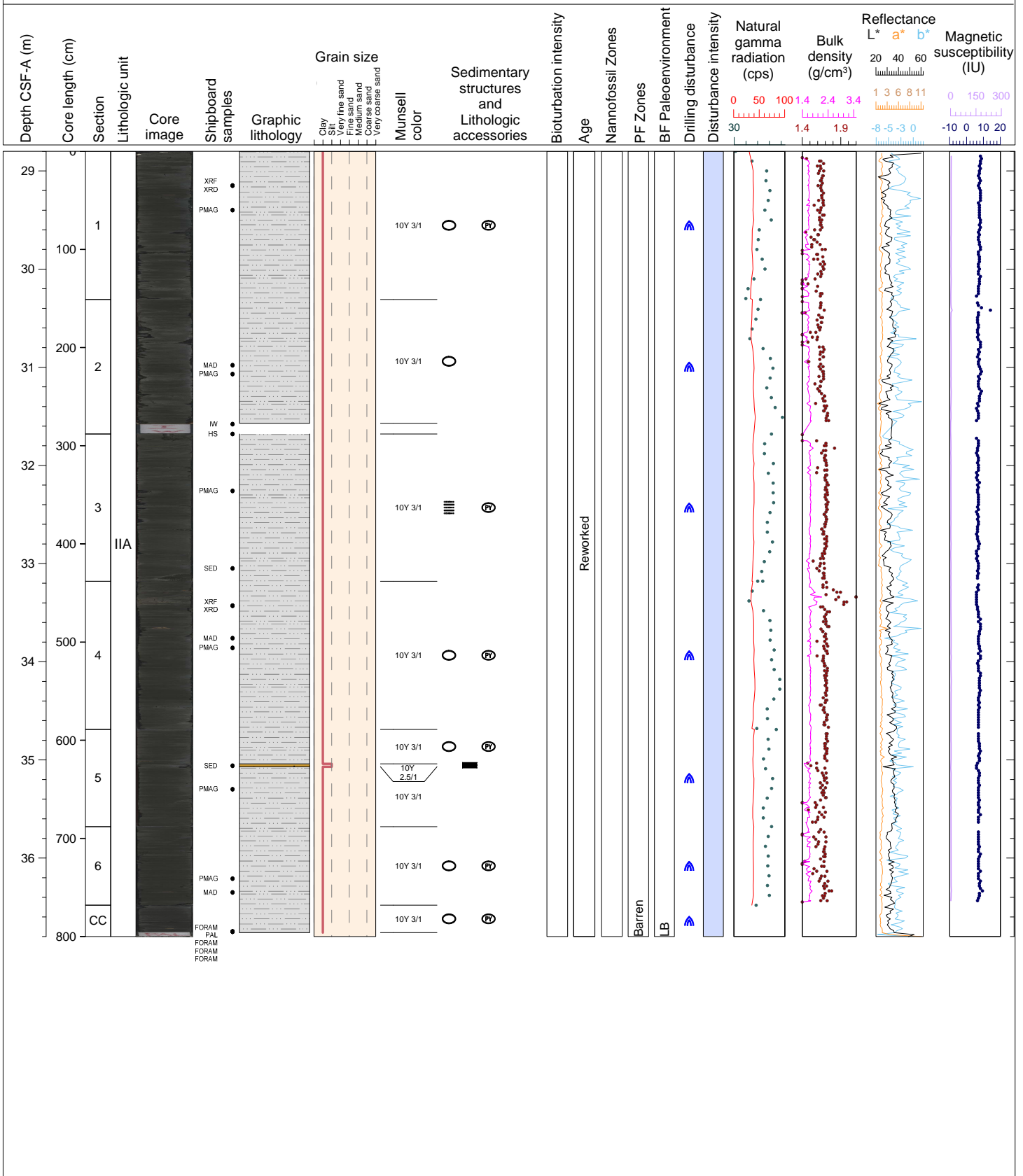
Core 2R can be divided into two lithologies at 47 cm of Section 1. The upper lithology consists of a white foraminifer-rich calcareous ooze with sponge spicules. The lower lithology consists of dark greenish gray biosiliceous silty clay. The core is bowed and drilling disturbance is slight.





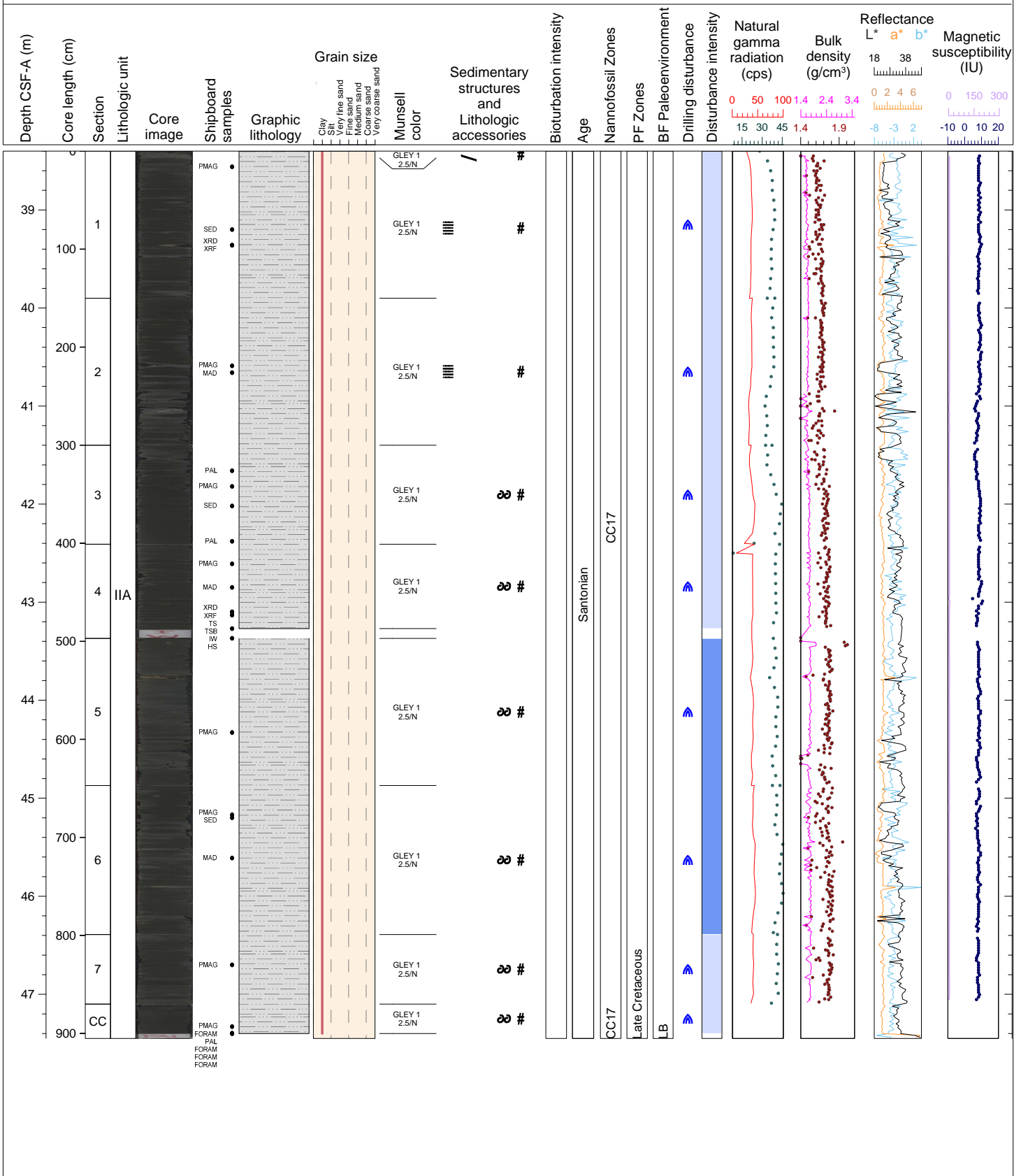
Hole 369-U1512A Core 4R, Interval 28.8-36.8 m (CSF-A)

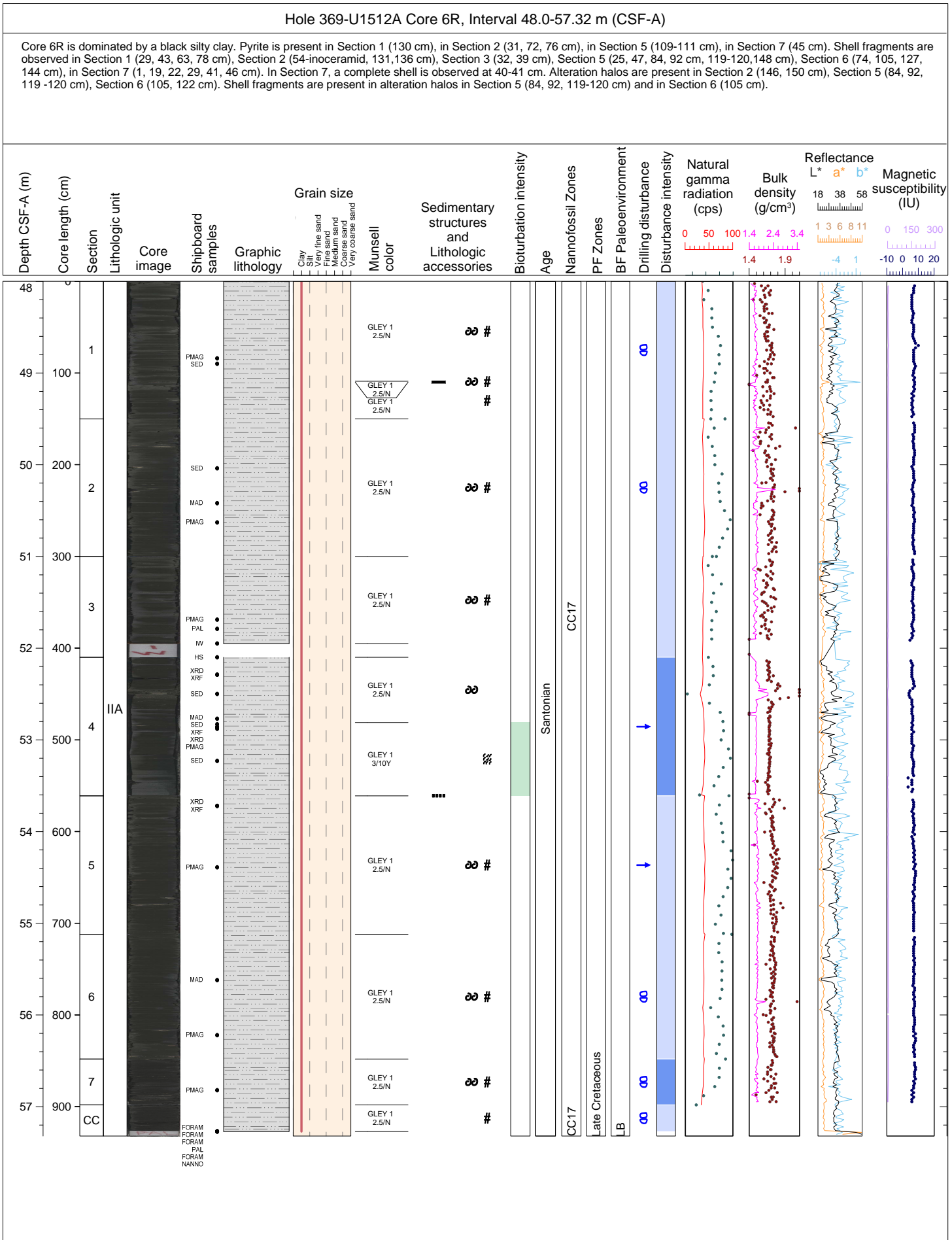
Core 4R is dominated by very dark greenish gray silty clay. Pyrite nodules are common throughout. An interval consisting of pyrite bands occurs in Section 4 (9-25 cm). The core is highly consolidated and shows moderate bowed drilling disturbance.

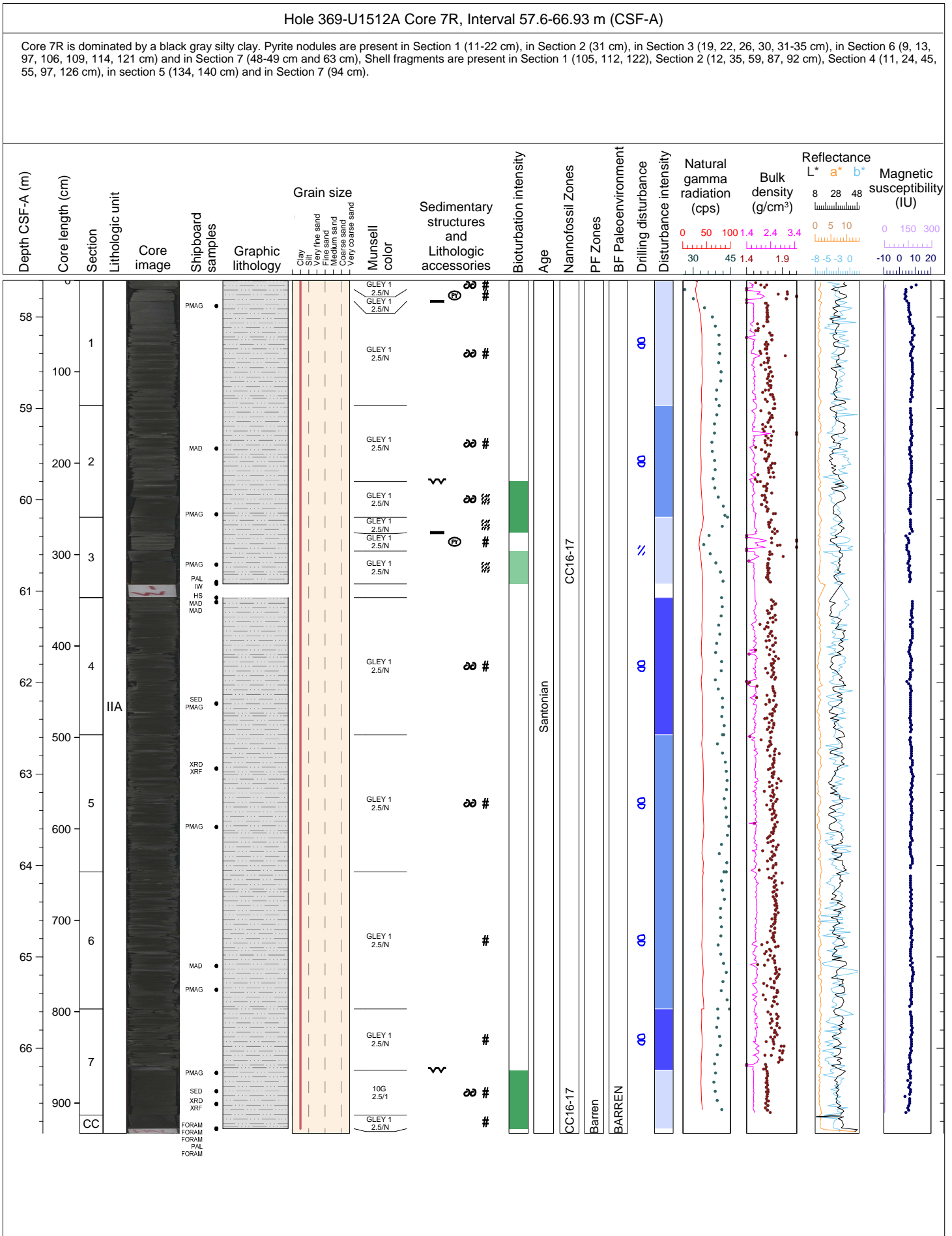


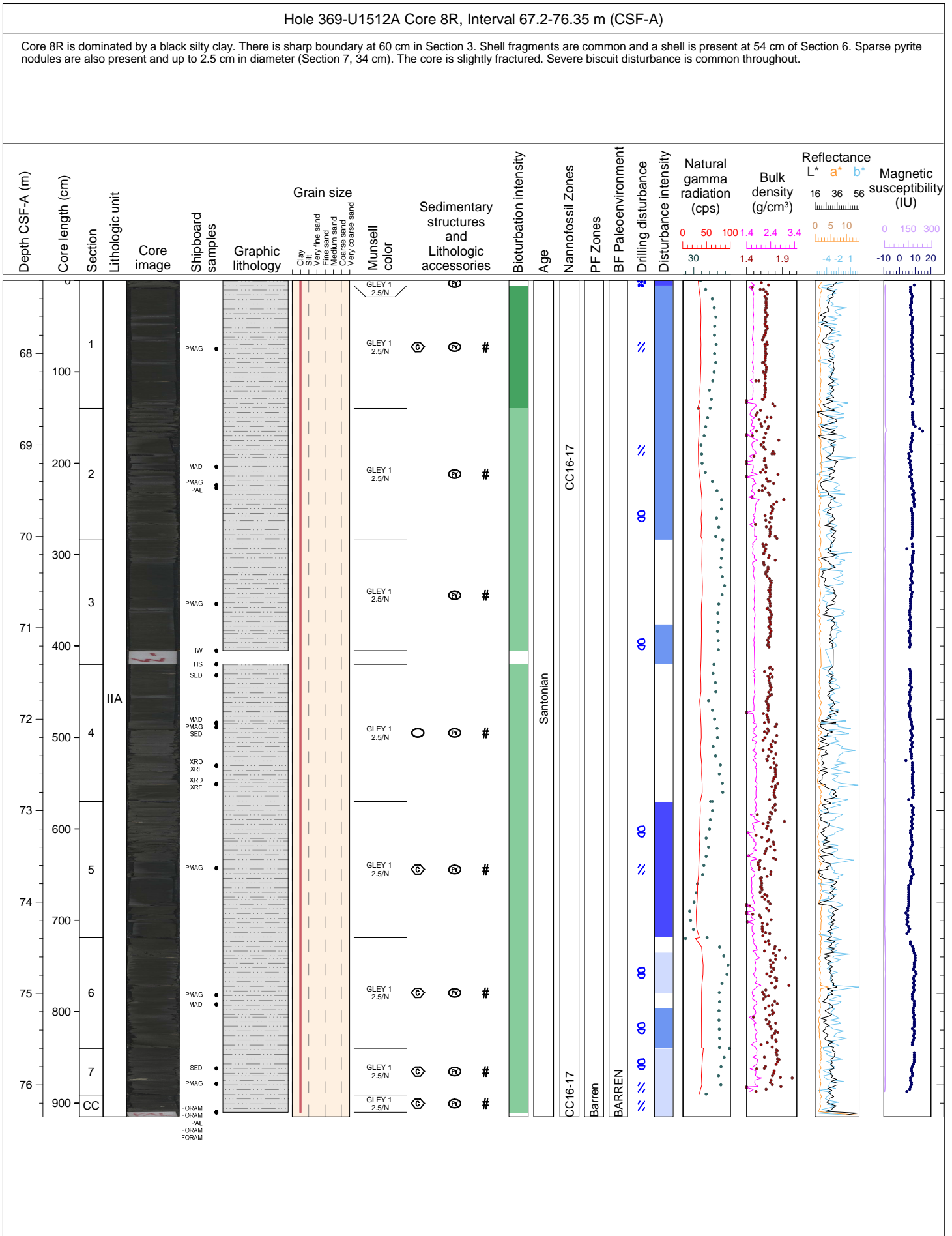
Hole 369-U1512A Core 5R, Interval 38.4-47.45 m (CSF-A)

Core 5R is dominated by a black silty clay. Alteration halos are present in Section 1 (96 cm), in Section 2 (27 and 40 cm), in Section 4 (40, 61 cm) and in Section 6 (103 cm). Alteration halos are observed in the Section 5 (39-41 cm). Pyrite is present in Section 2 (113-116 cm), in Section 3 (41cm), Section 5 (5 cm), Section 6 (11, 59 cm). Inoceramid shell fragments are present in Section 3 (26, 73 cm), Section 4 (17, 55, 60, 74, 86 cm), Section 5 (20, 33, 109, 144 cm), Section 6 (10 cm, 60 cm, 93 cm, 104 cm, 141 cm), Section 7 (22, 67 cm) and in the CC (5-8 cm). The upper 7 cm in Section 1 is disturbed.





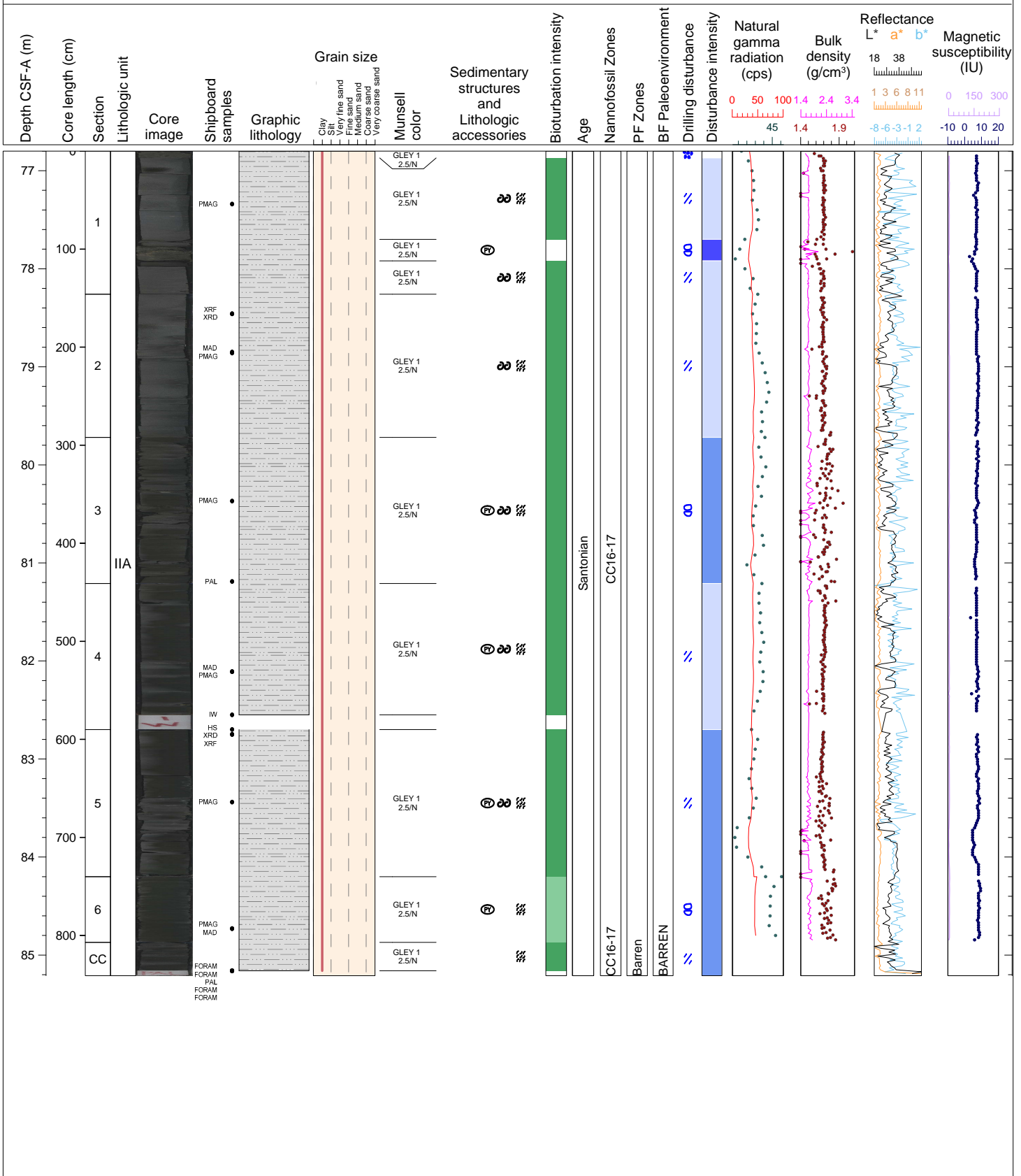






Hole 369-U1512A Core 9R, Interval 76.8-85.21 m (CSF-A)

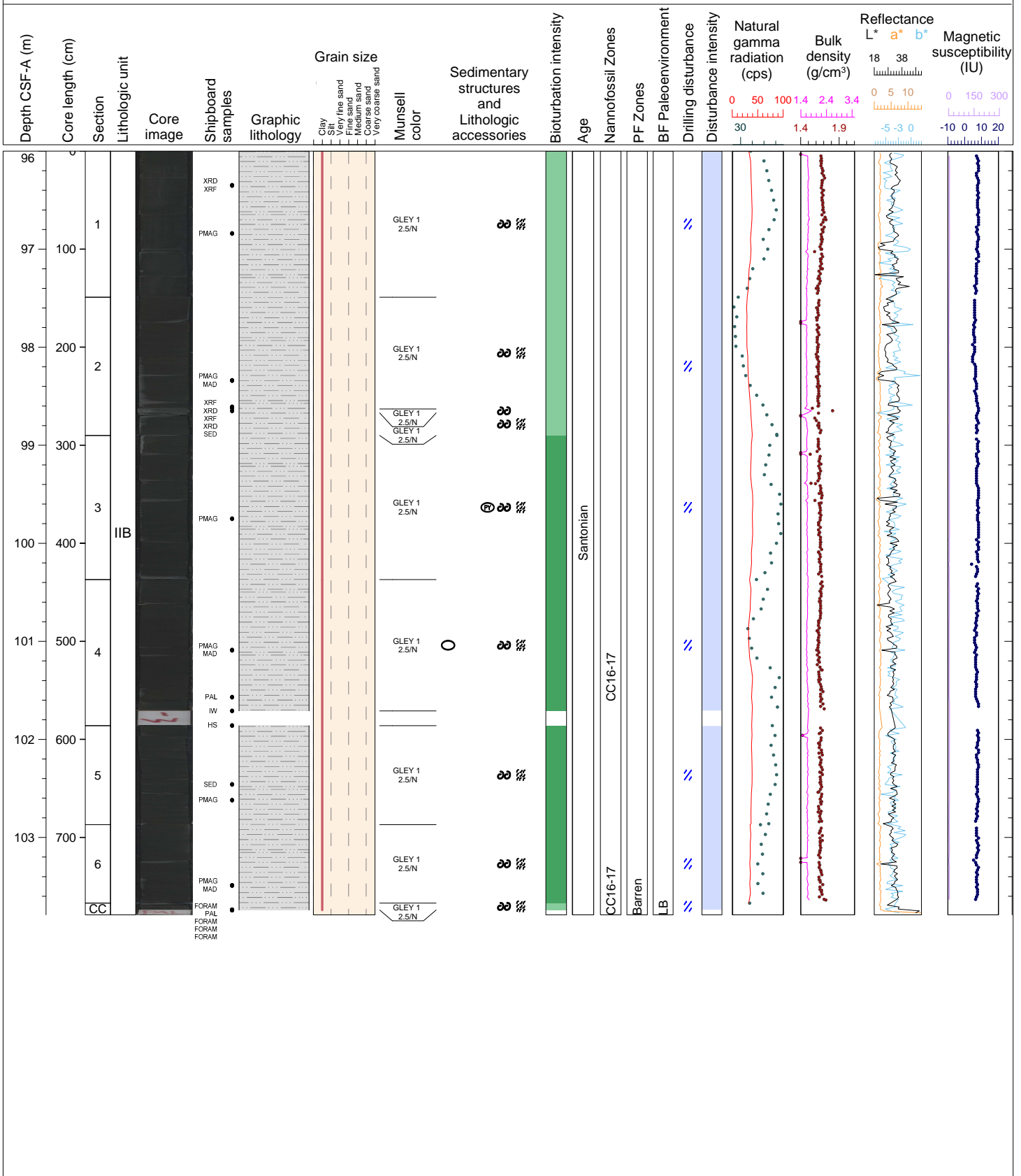
Core 9R is dominated by a black silty clay. Shell fragments are common throughout. Bioturbation is moderate, with an increasing number of burrows and mottling downhole. Pyrite nodules are also common. Slightly fractured to severe biscuited drilling disturbances are present throughout.

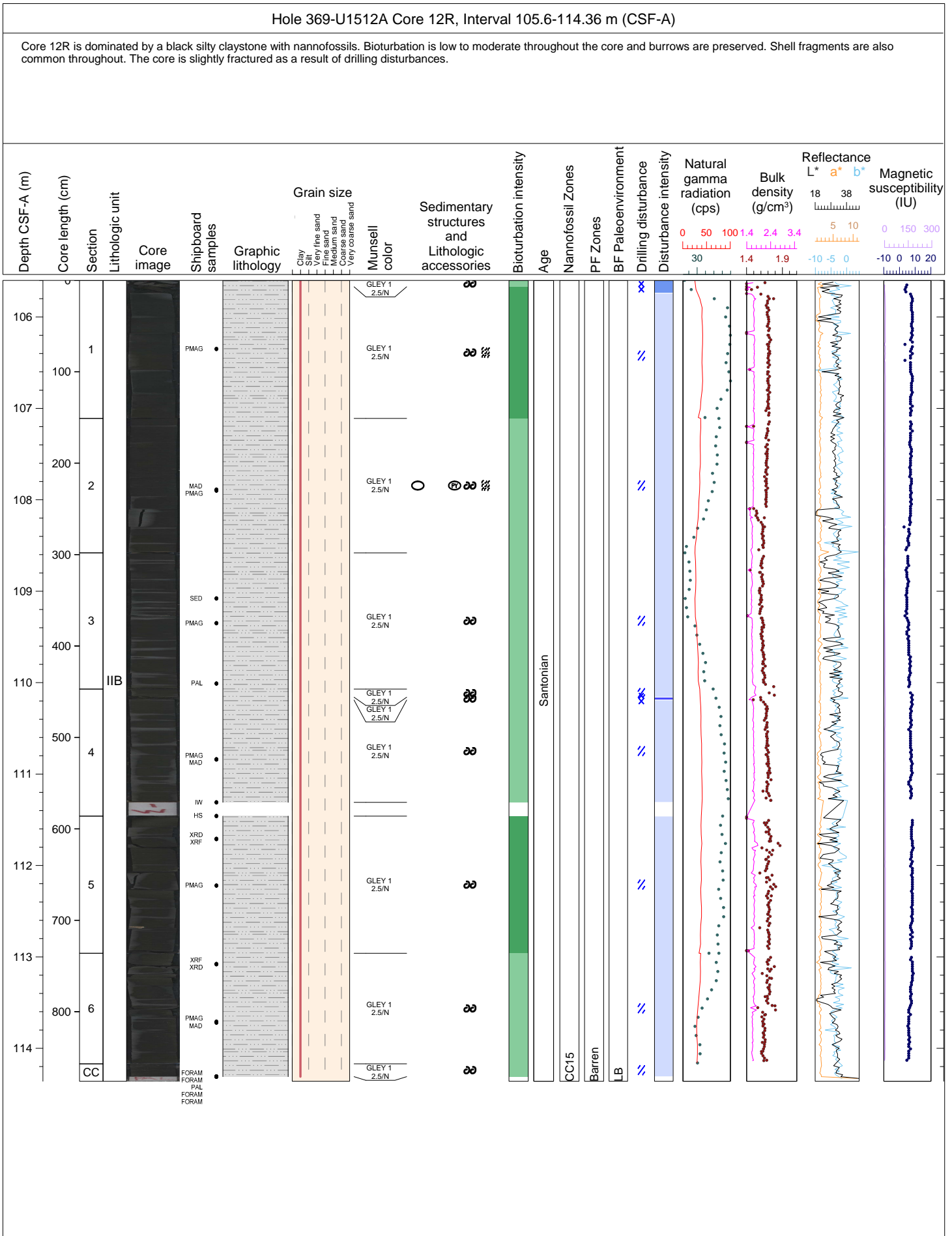


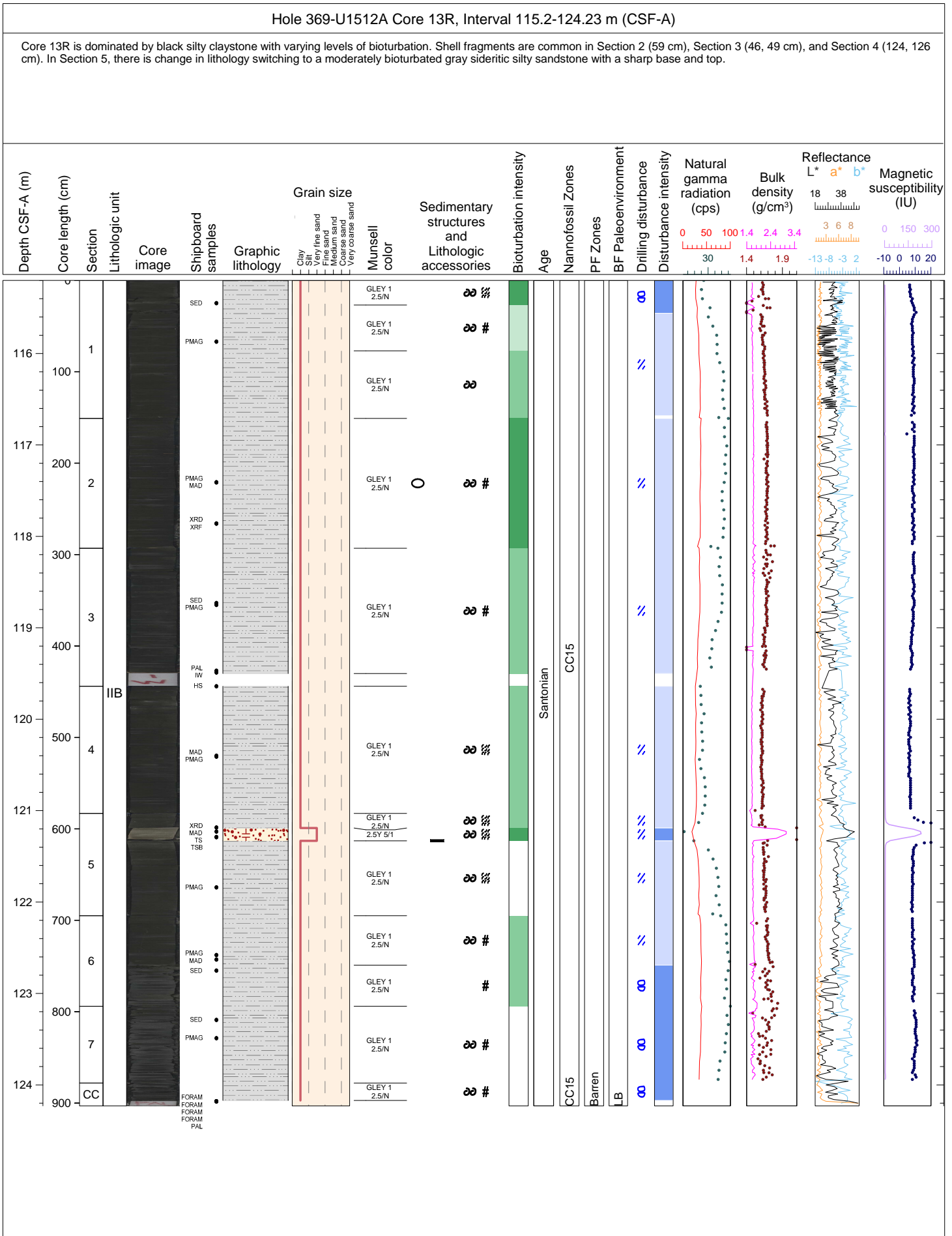


Hole 369-U1512A Core 11R, Interval 96.0-103.79 m (CSF-A)

Core 11R is dominated by a black silty claystone with nanofossils that exhibits low to moderate levels of bioturbation. The core is slightly fractured as a result of drilling disturbances.

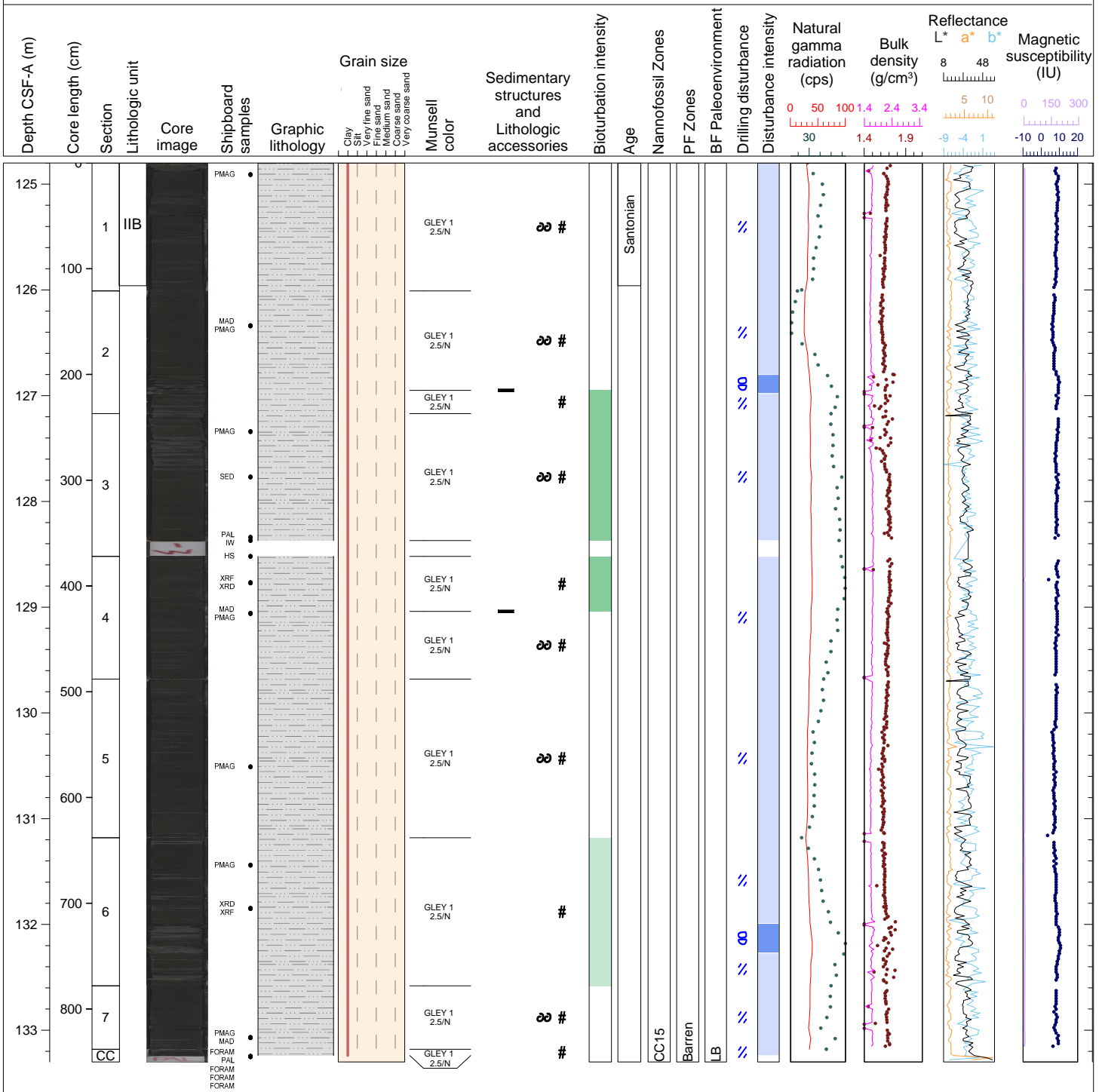


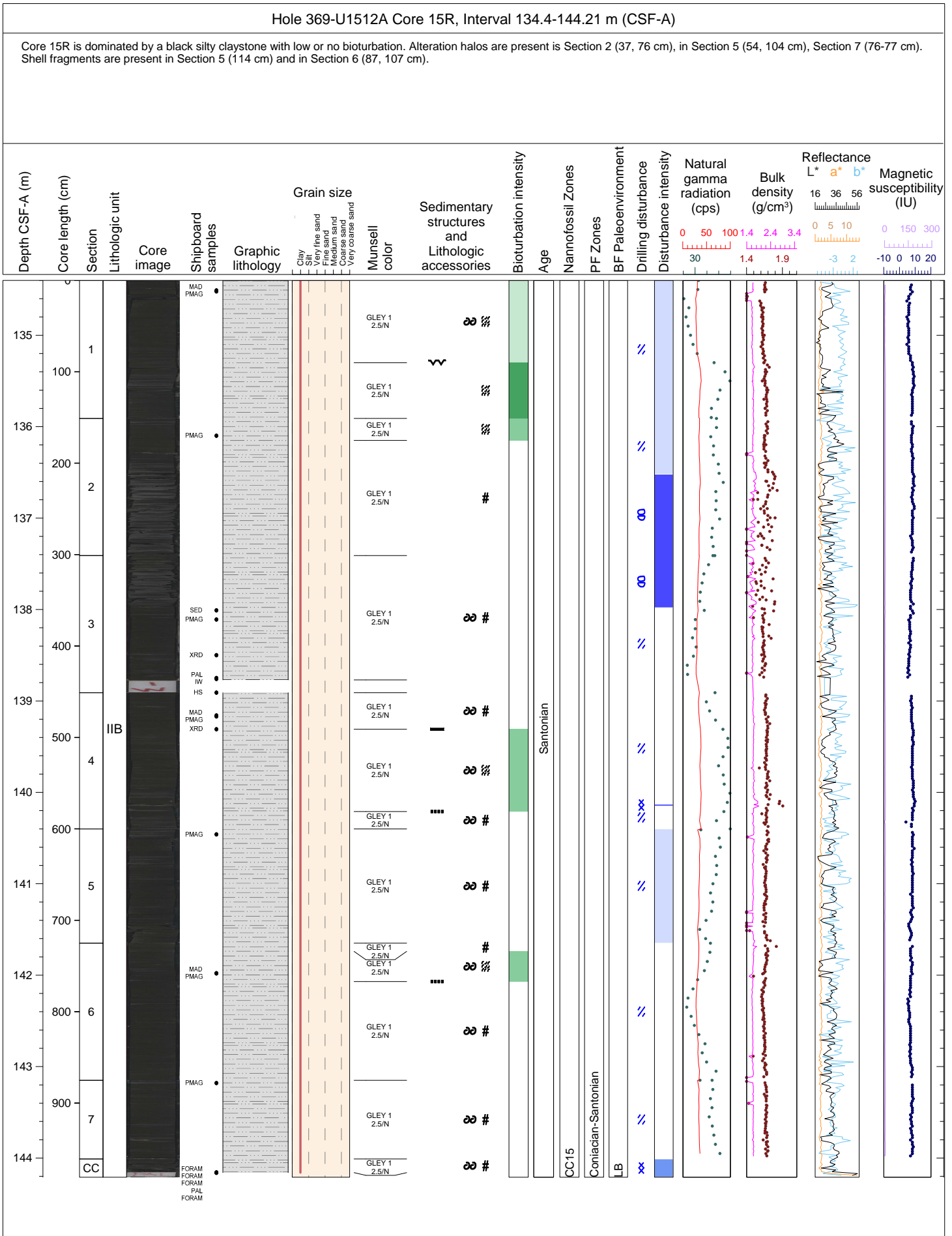




Hole 369-U1512A Core 14R, Interval 124.8-133.3 m (CSF-A)

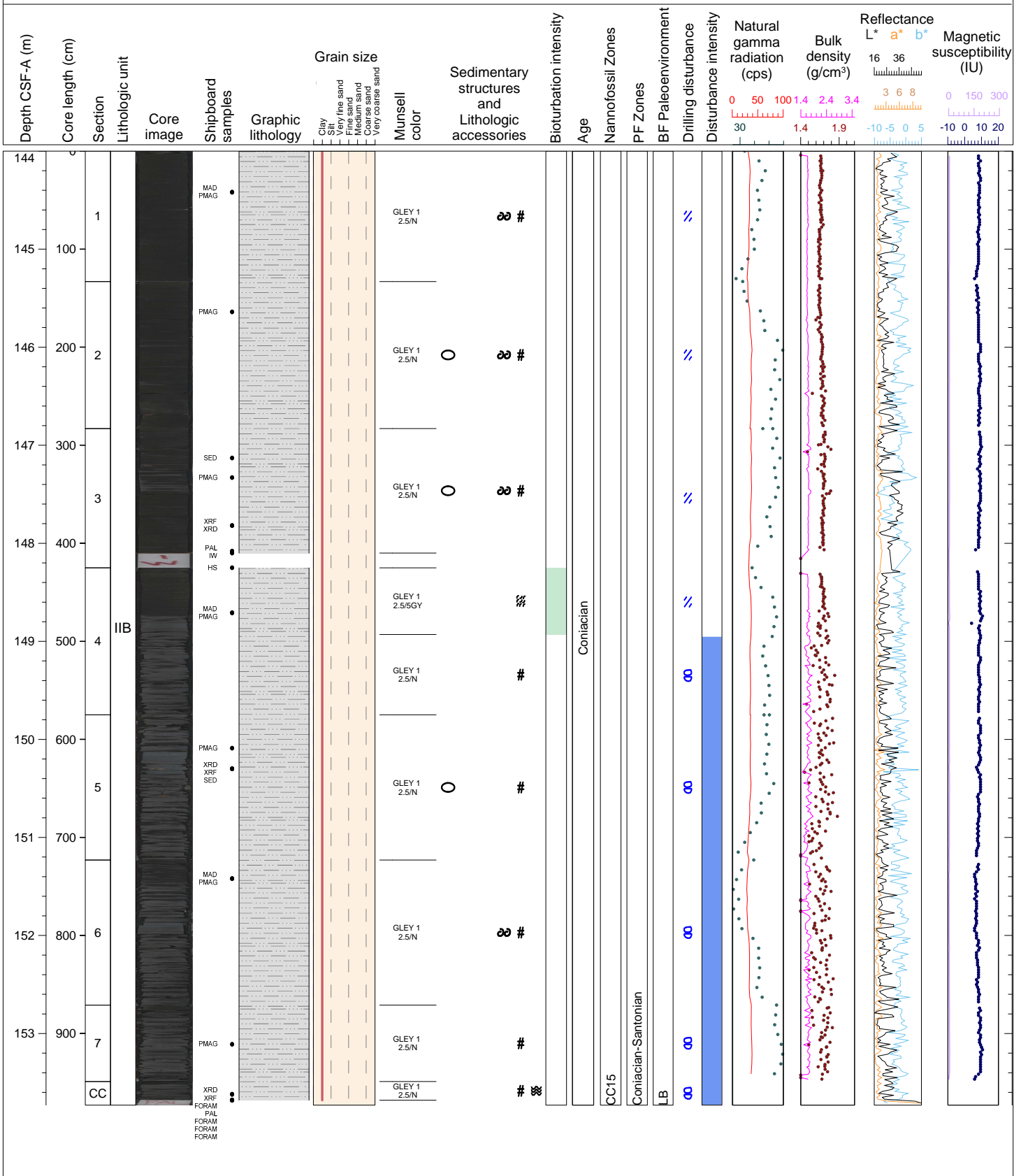
Core 14R is dominated by a black silty claystone with low levels of bioturbation. Shells fragments are present in Section 1 (44, 47, 54, 70, 87 cm), Section 4 (109 cm), and Section 5 (57 cm and 65 cm), and are absent in Sections 2, 3, 6 and 7. Disseminated pyrite is present in Section 4 (57-60 cm).



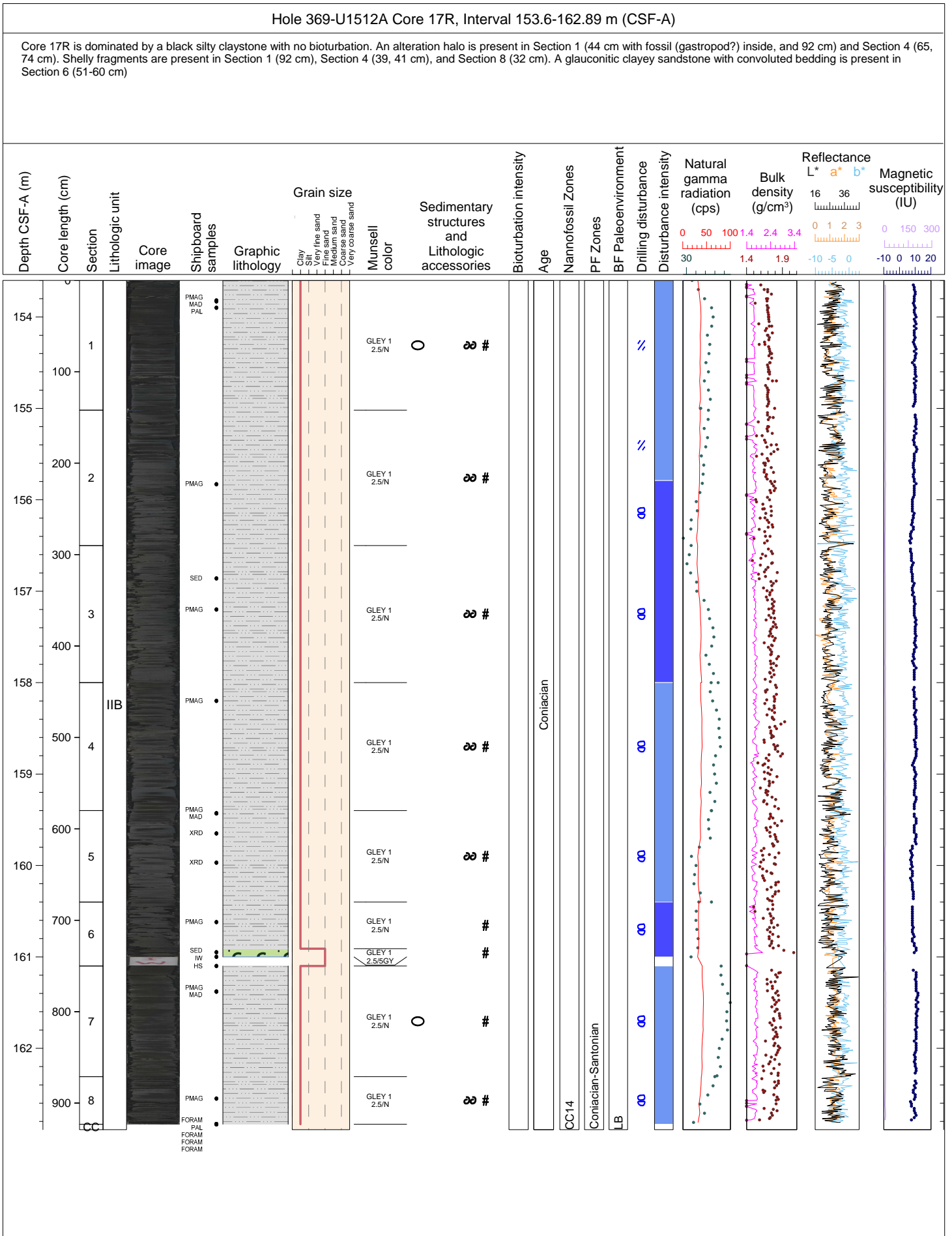


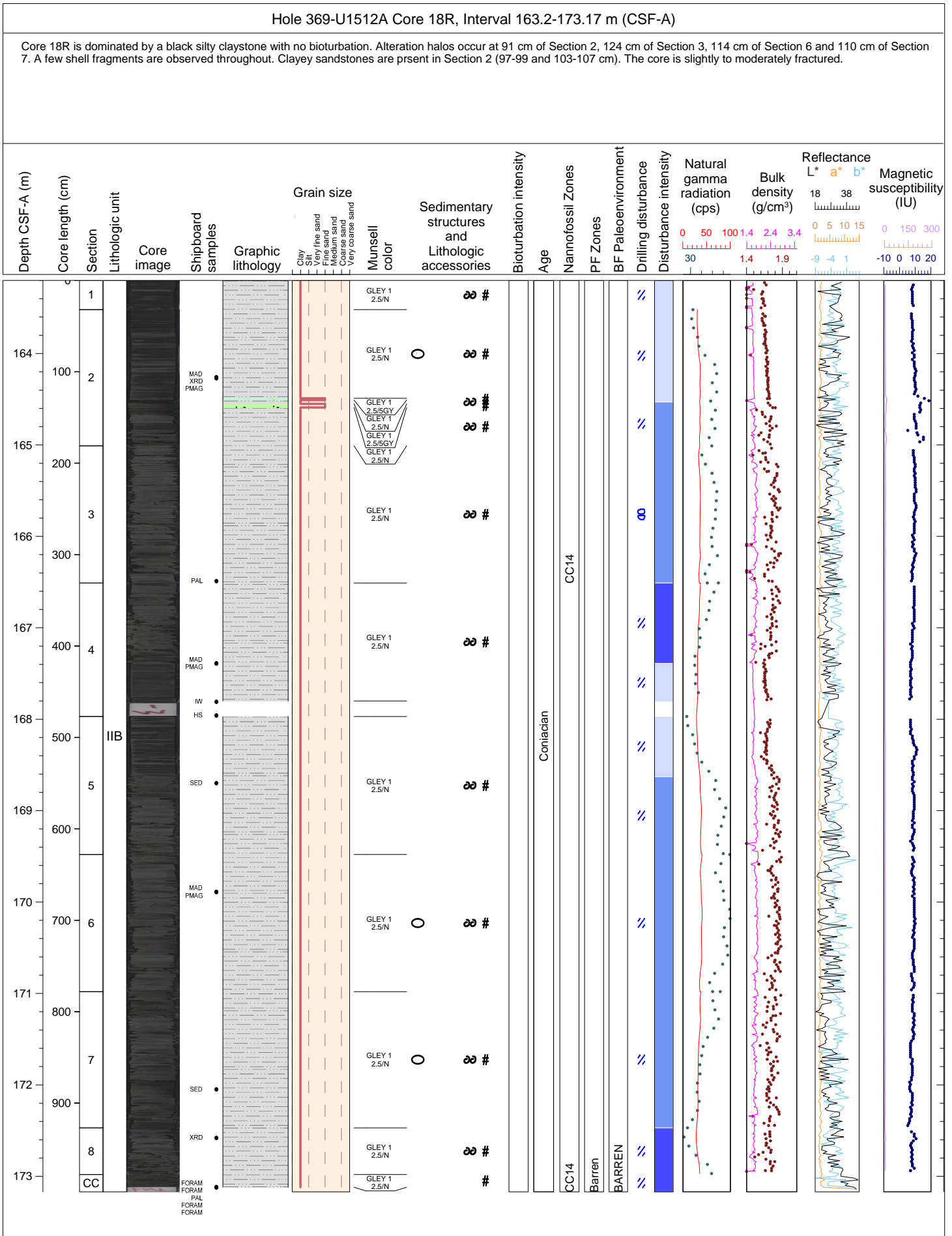
Hole 369-U1512A Core 16R, Interval 144.0-153.73 m (CSF-A)

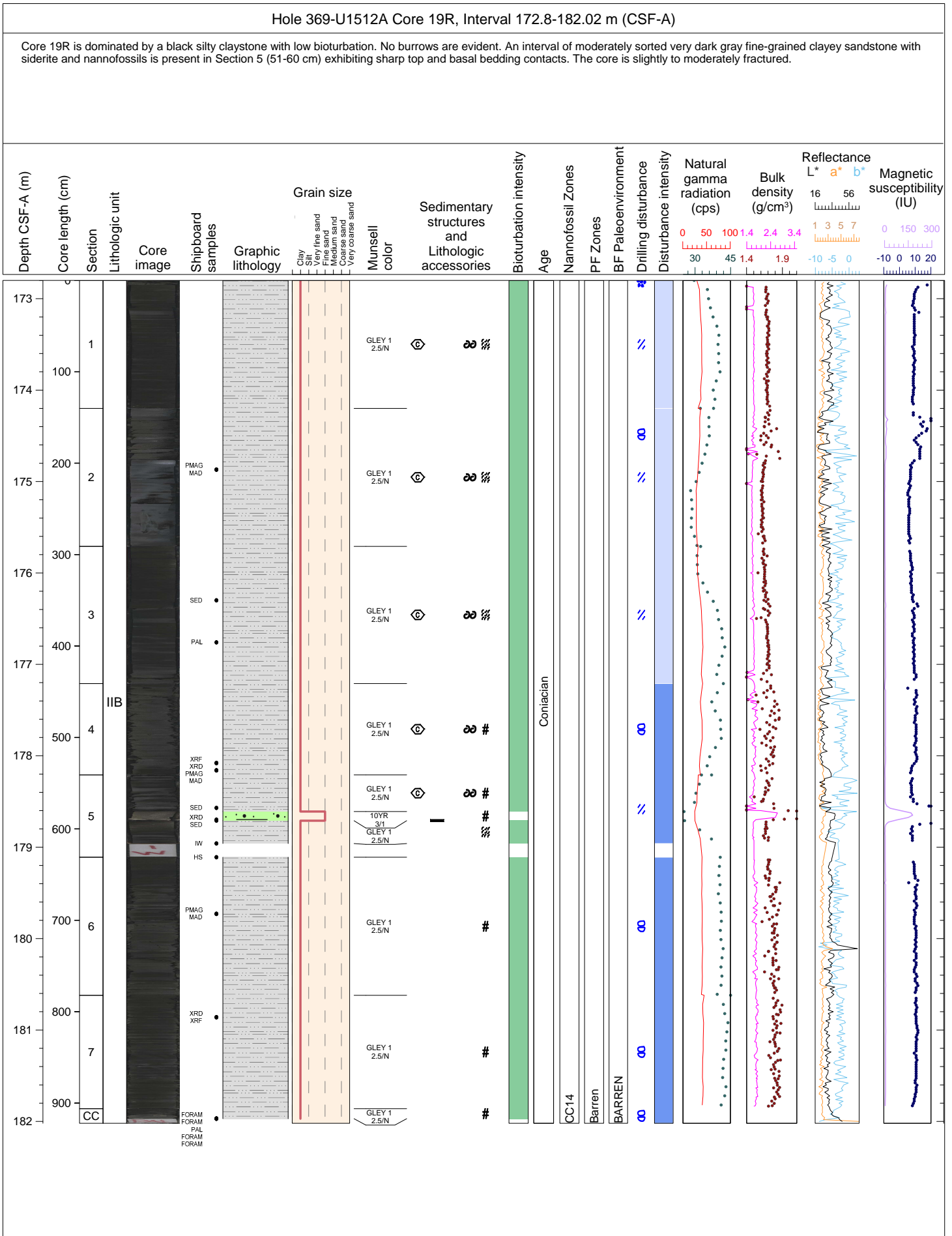
Core 16R is dominated by a black silty claystone with no bioturbation. Alteration halos are present in Section 2 (135 cm), Section 3 (39 cm). In Section 5, it is difficult to distinguish between alteration halos and sulphitic nodules - these are present at 55 cm and 83 cm and be analyzed shipboard using XRD to determine their composition. Shell fragments are present in Section 2 (94-95 cm), Section 3 (42, 69, 109, 122 cm), Section 5 (97, 139 cm). Wavy laminations, load casts and thin silt streaks are present in the CC at 15 cm.

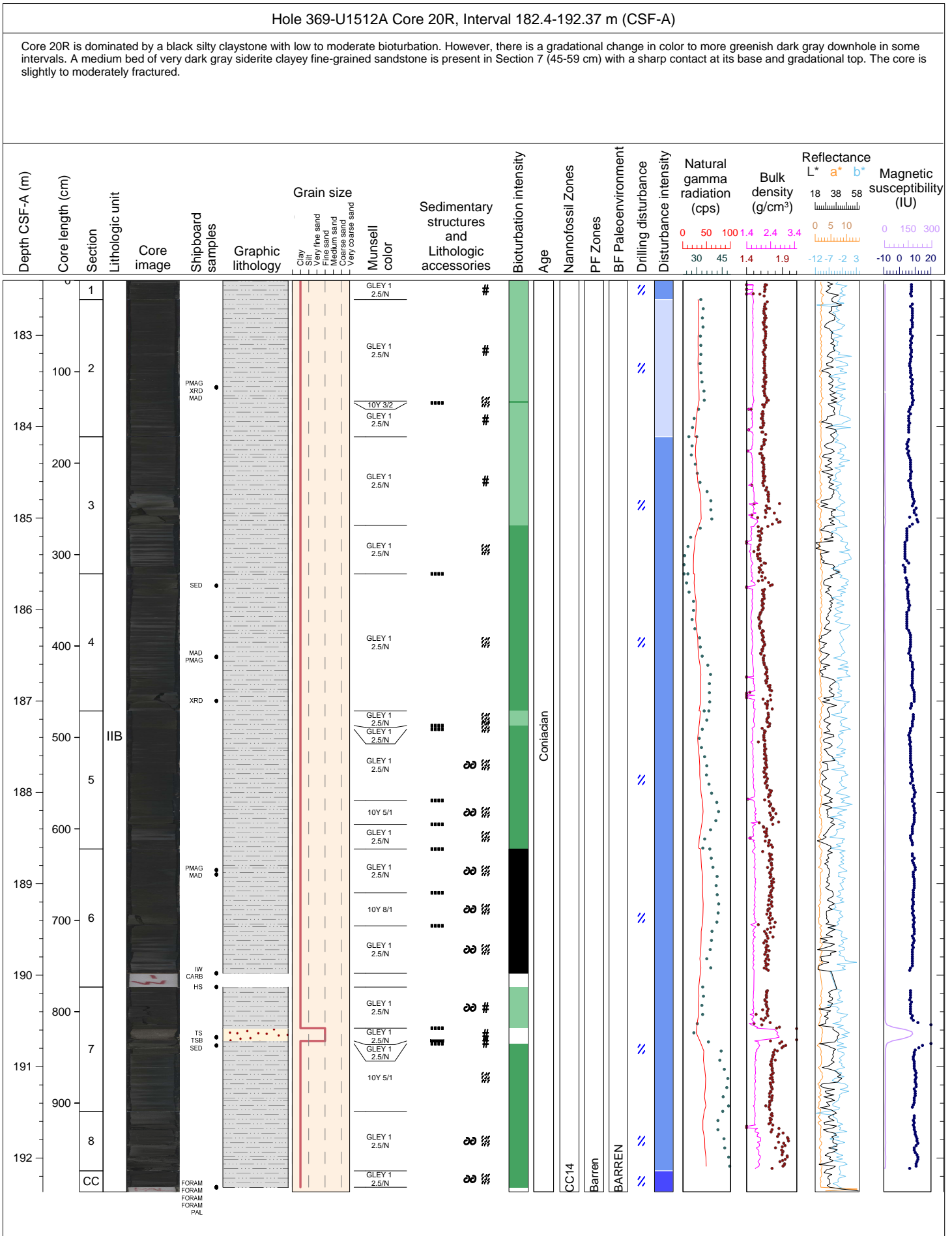


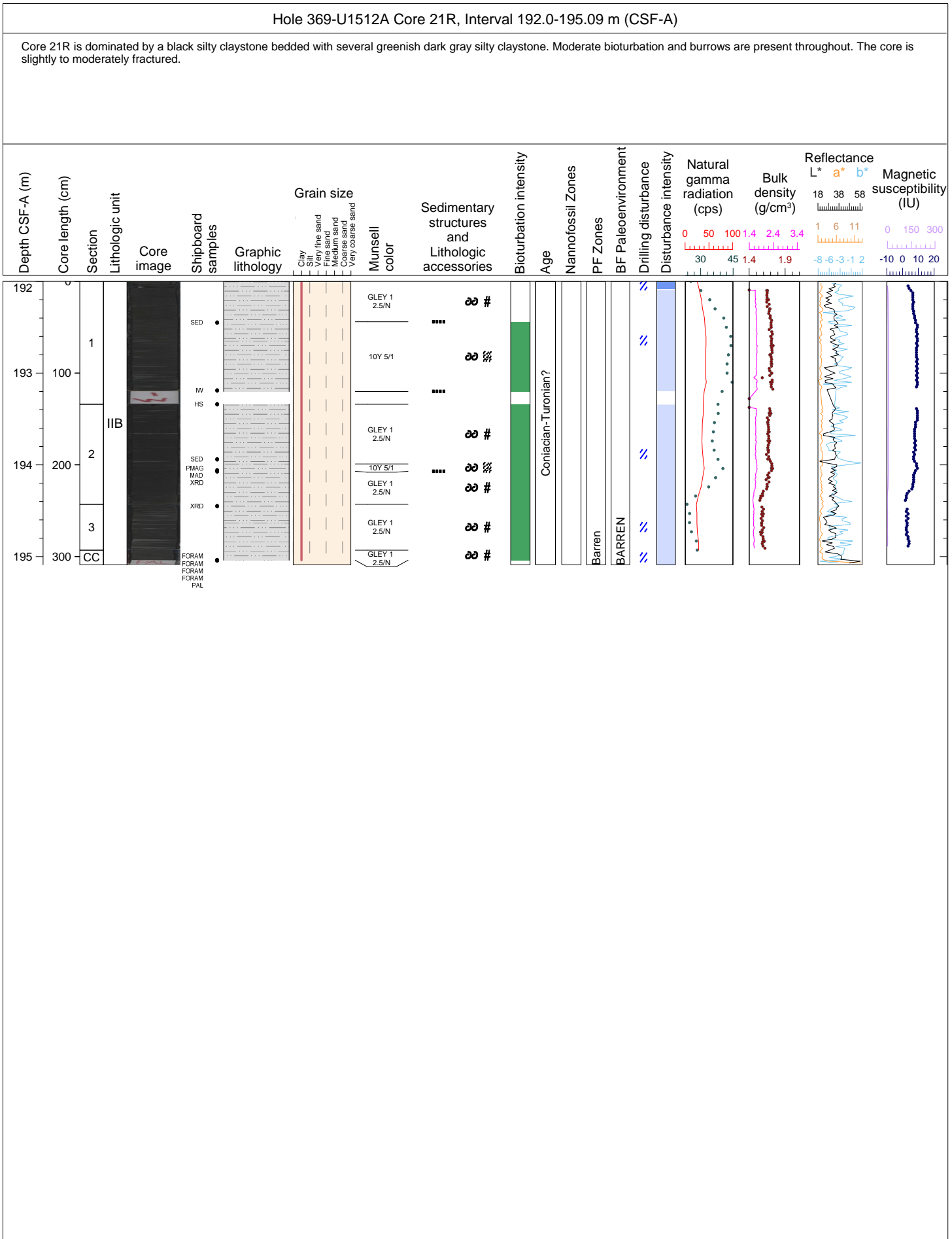


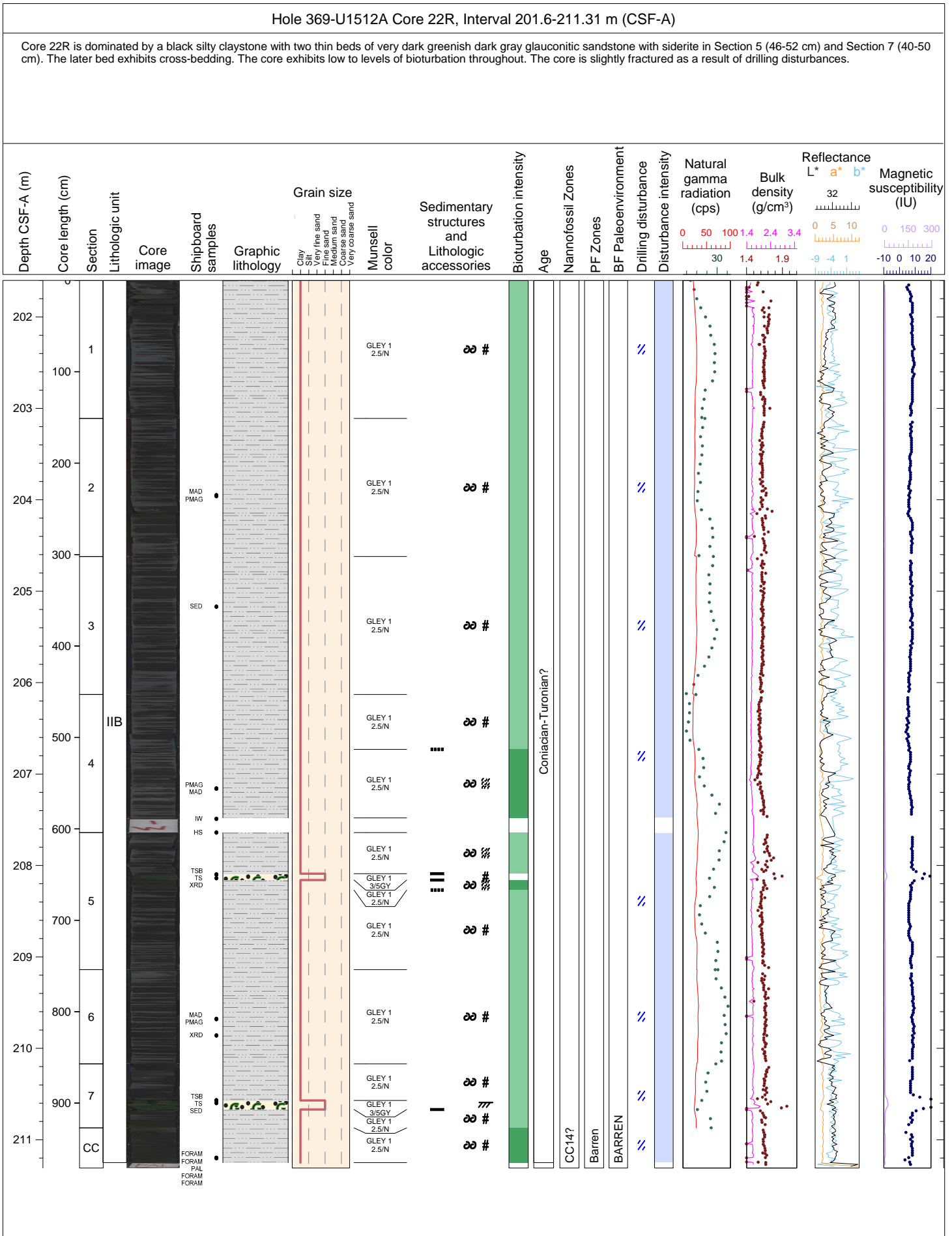


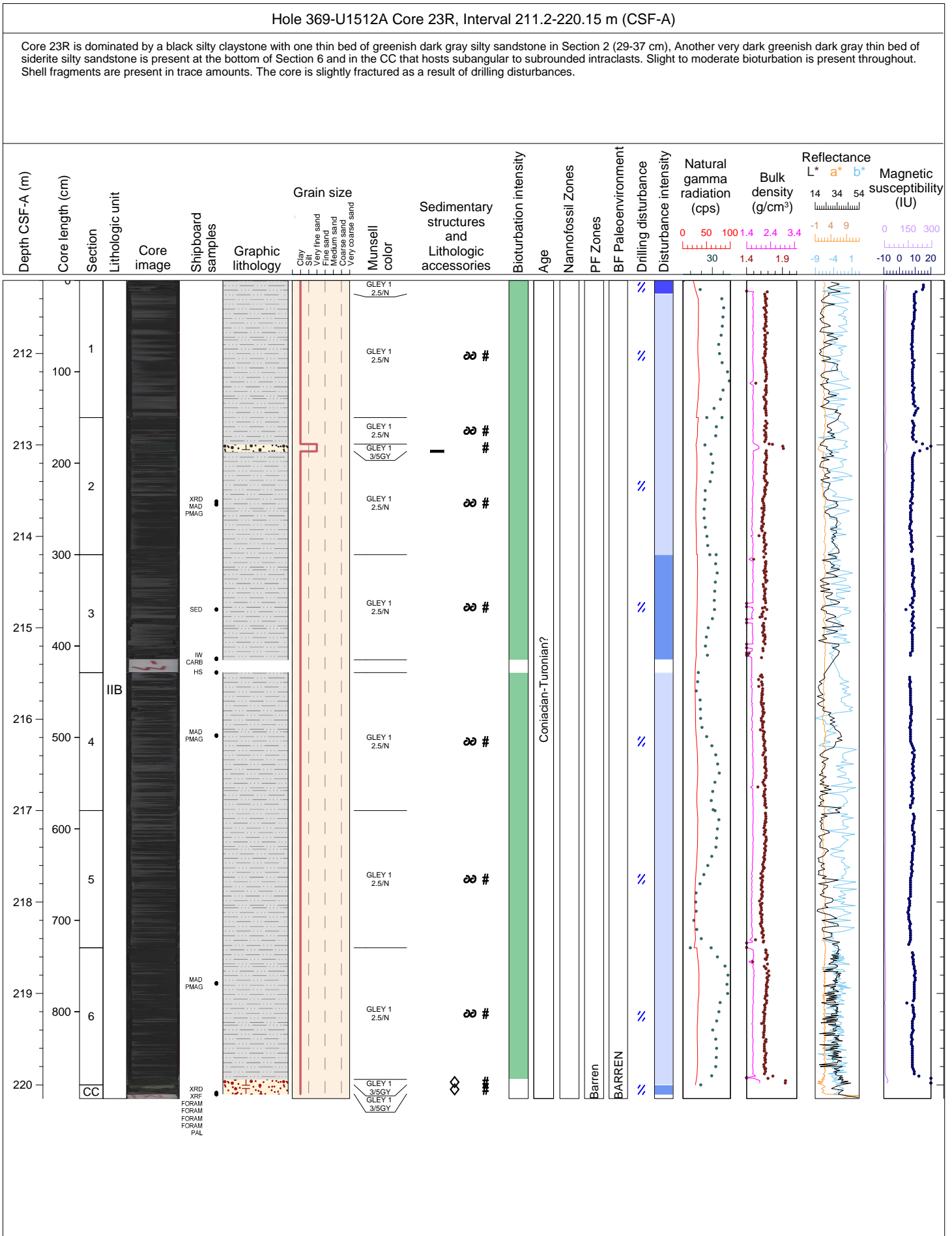


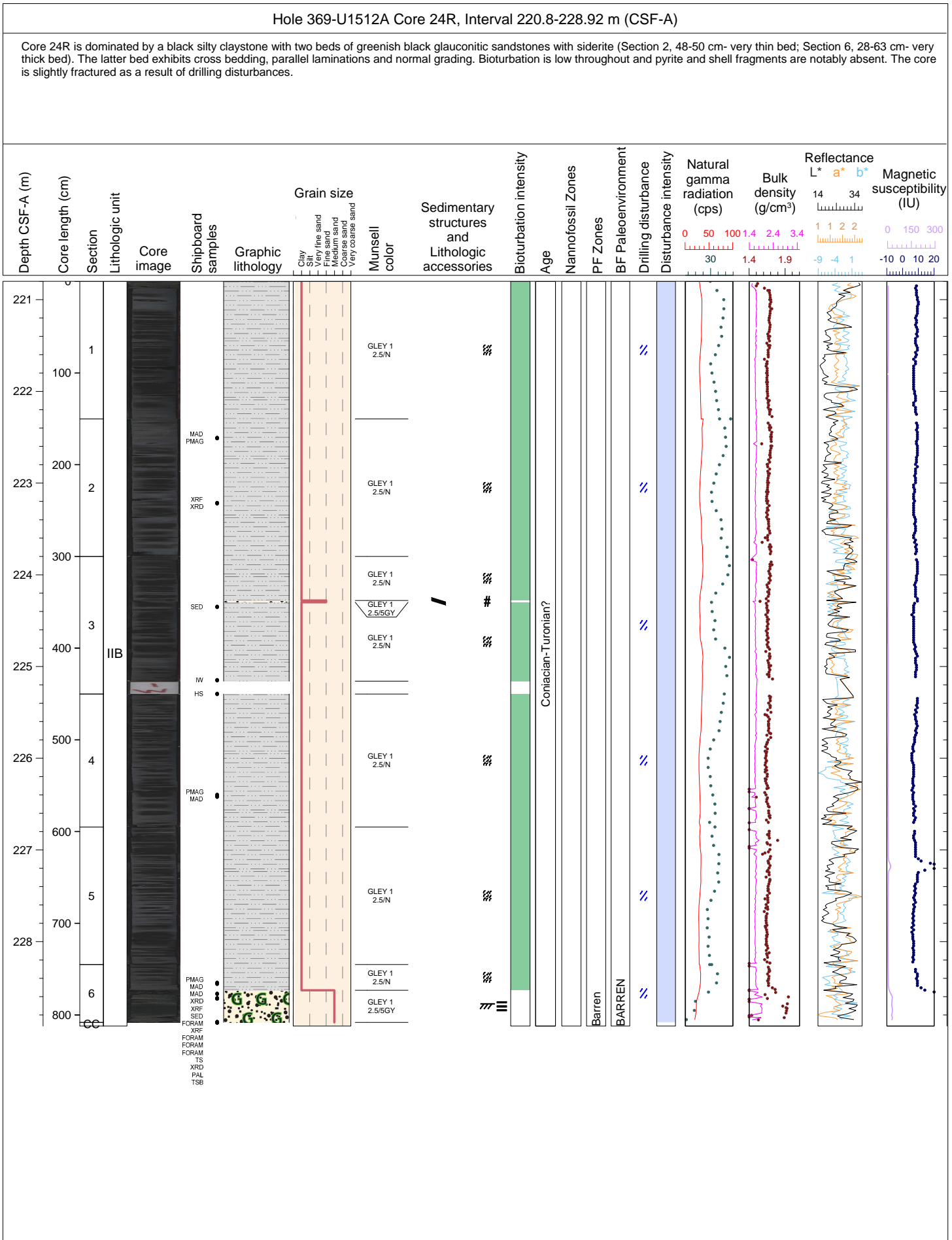








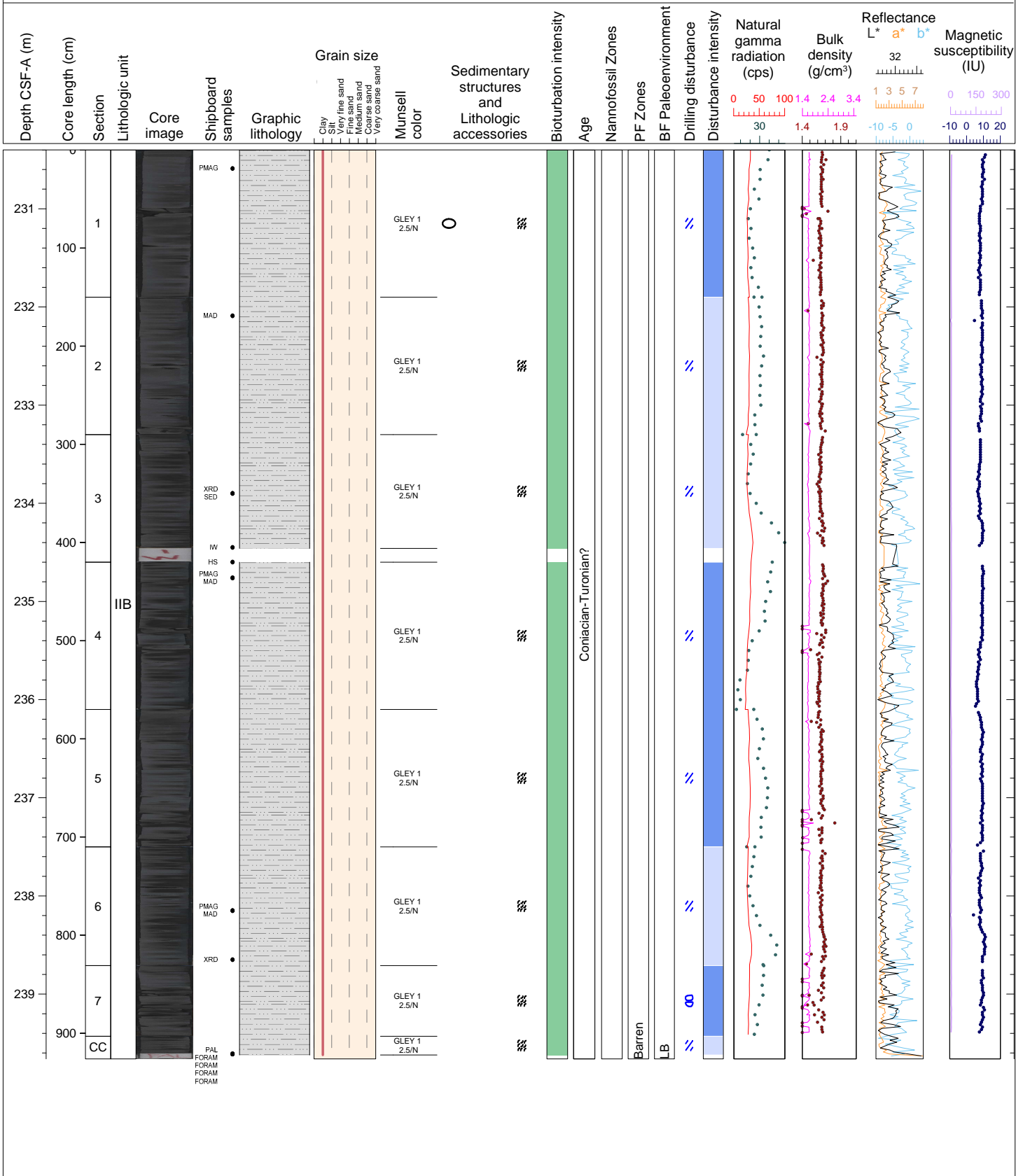






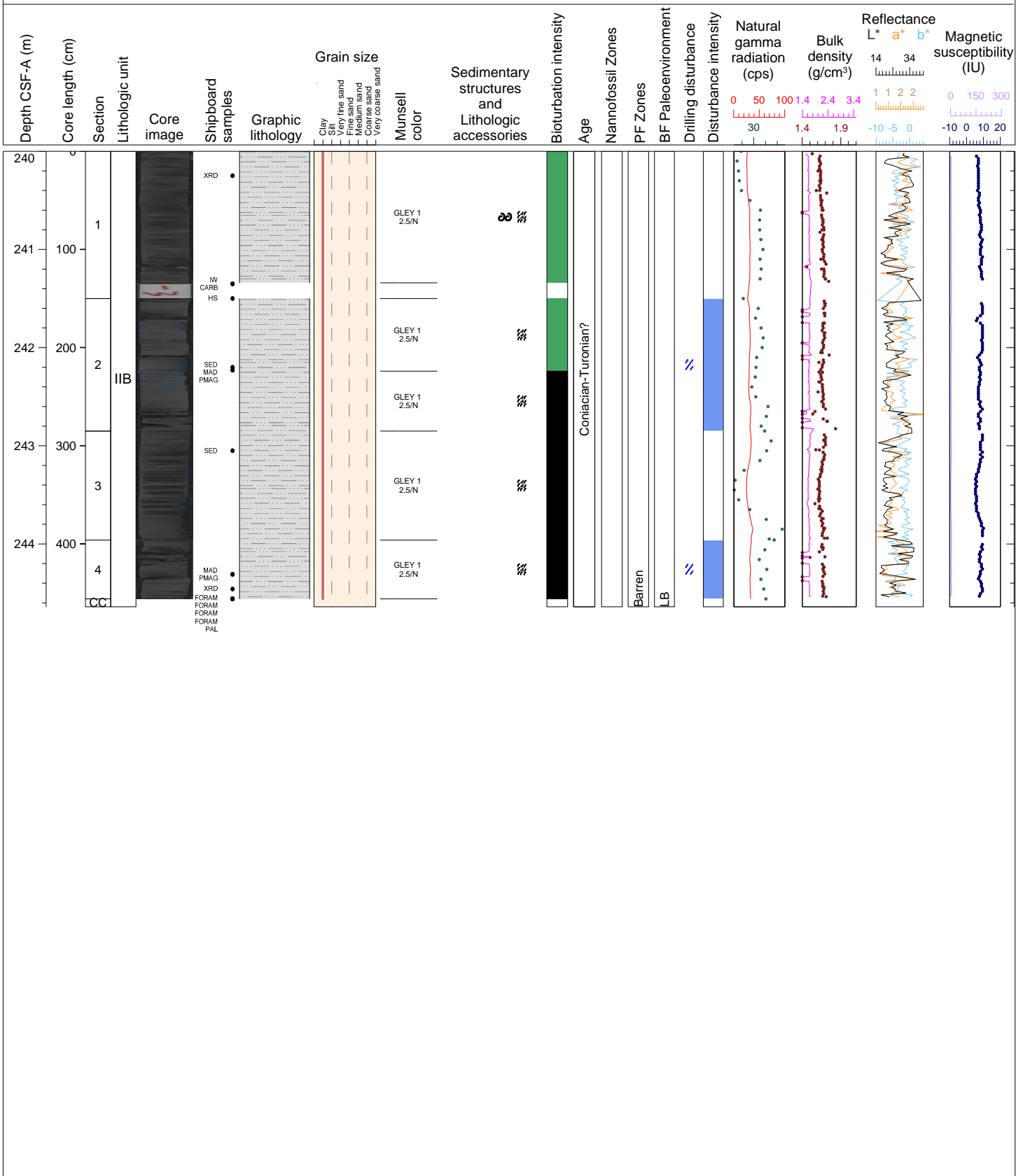
Hole 369-U1512A Core 25R, Interval 230.4-239.66 m (CSF-A)

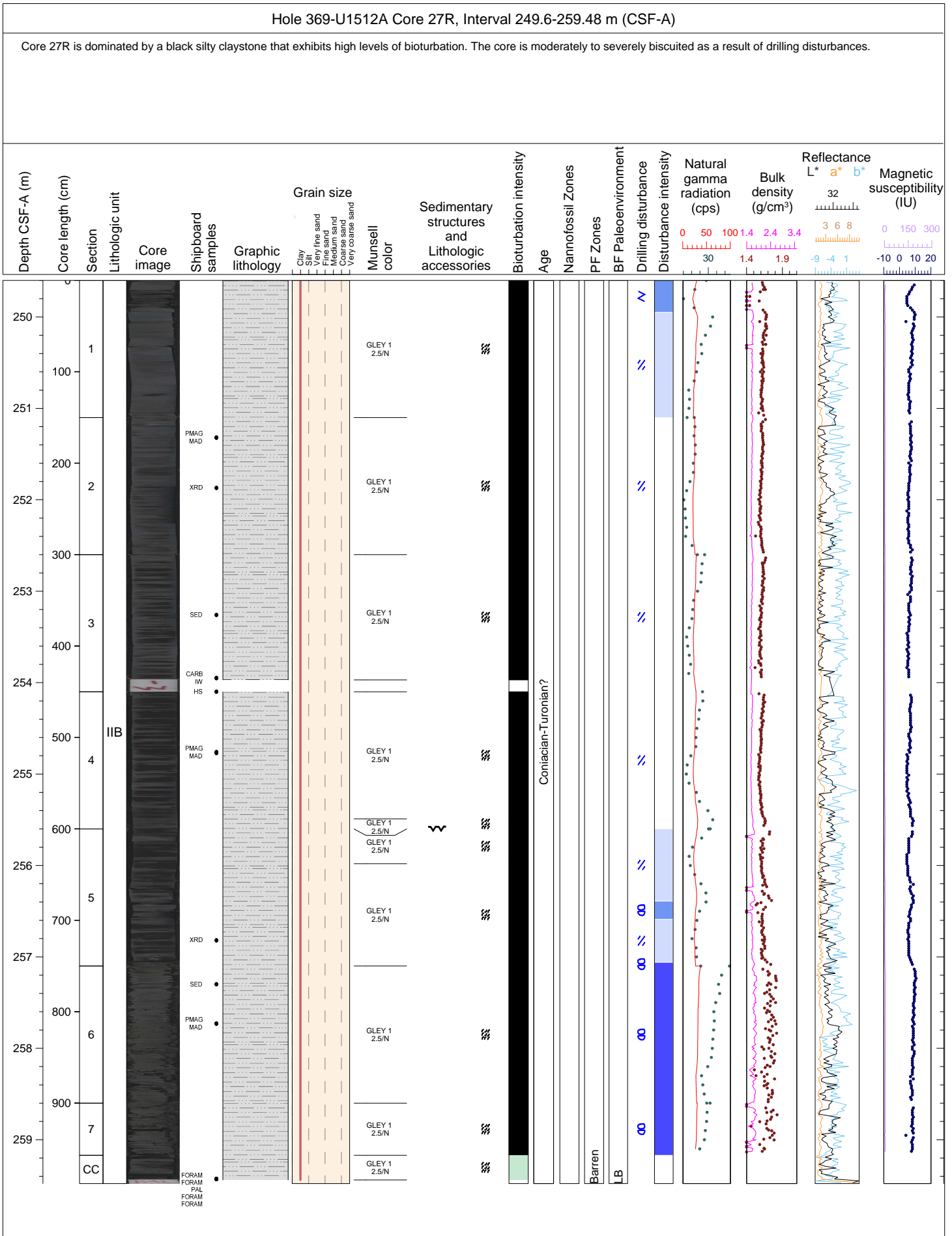
Core 25R is dominated by a black silty claystone with low levels of bioturbation. Two nodules of siderite are present in Section 1 (37 and 38 cm). The core is slightly to moderately fractured as a result of drilling disturbances.

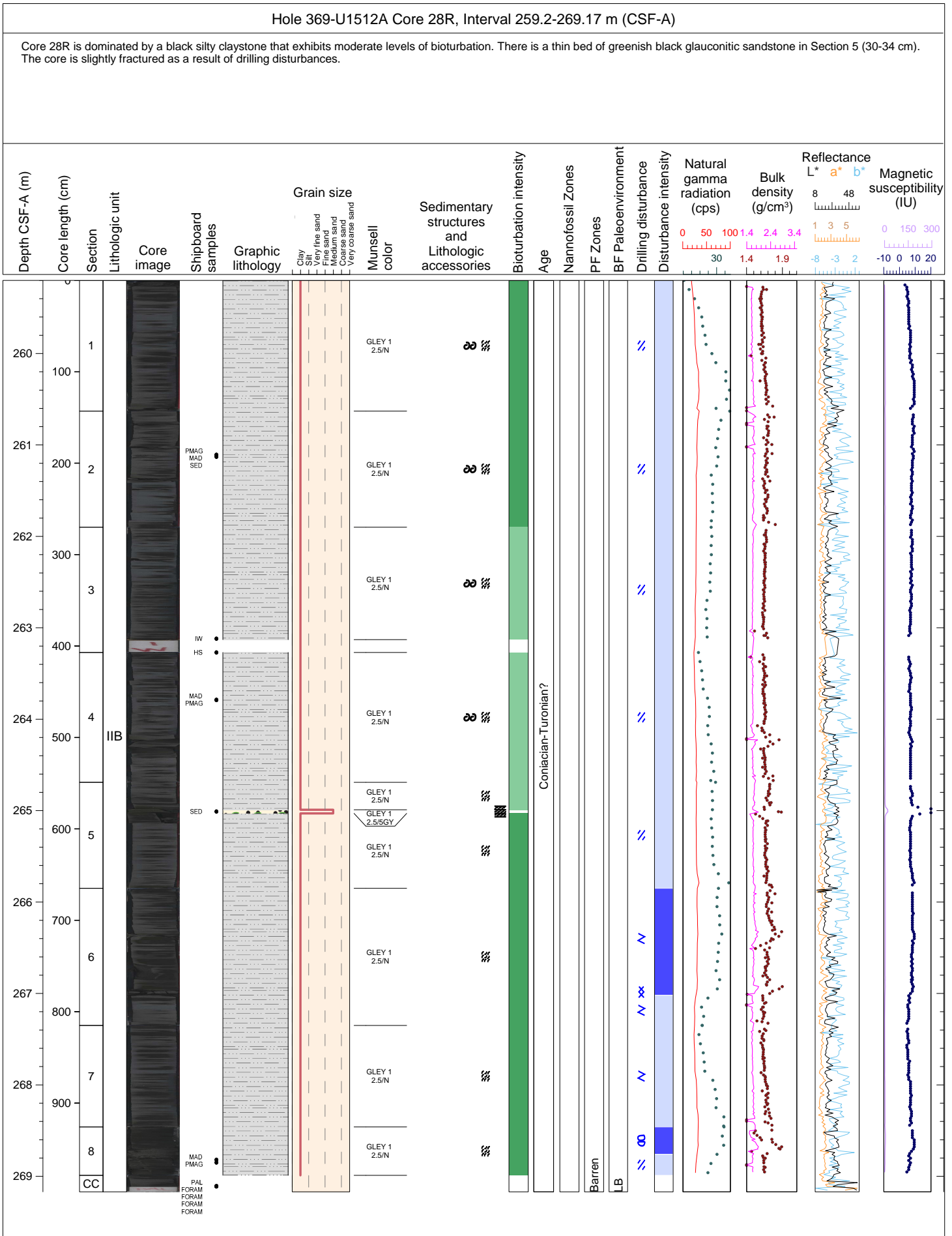


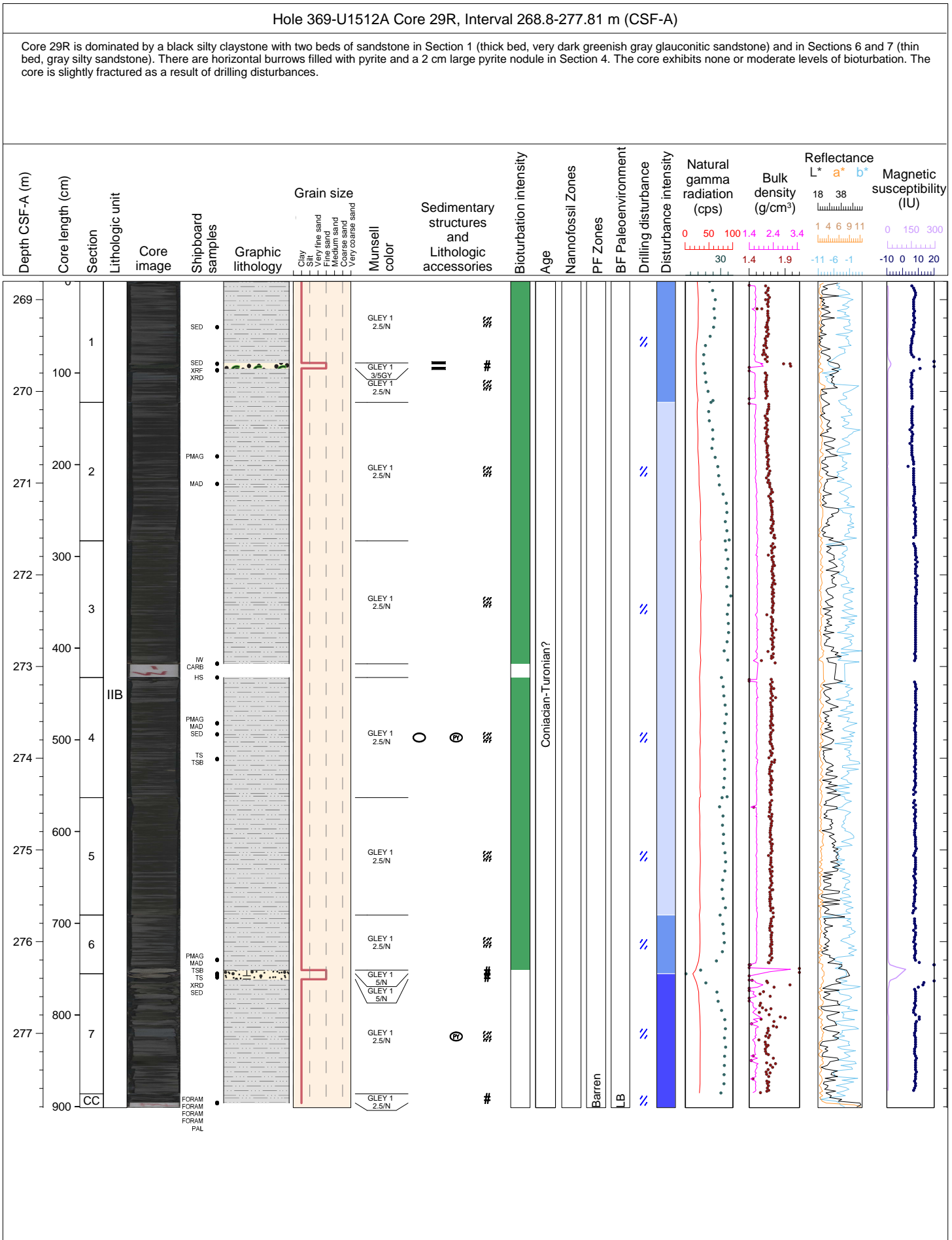
Hole 369-U1512A Core 26R, Interval 240.0-244.64 m (CSF-A)

Core 26R is dominated by a black silty claystone that exhibits moderate to high levels of bioturbation. The core is moderately fractured as a result of drilling disturbances.



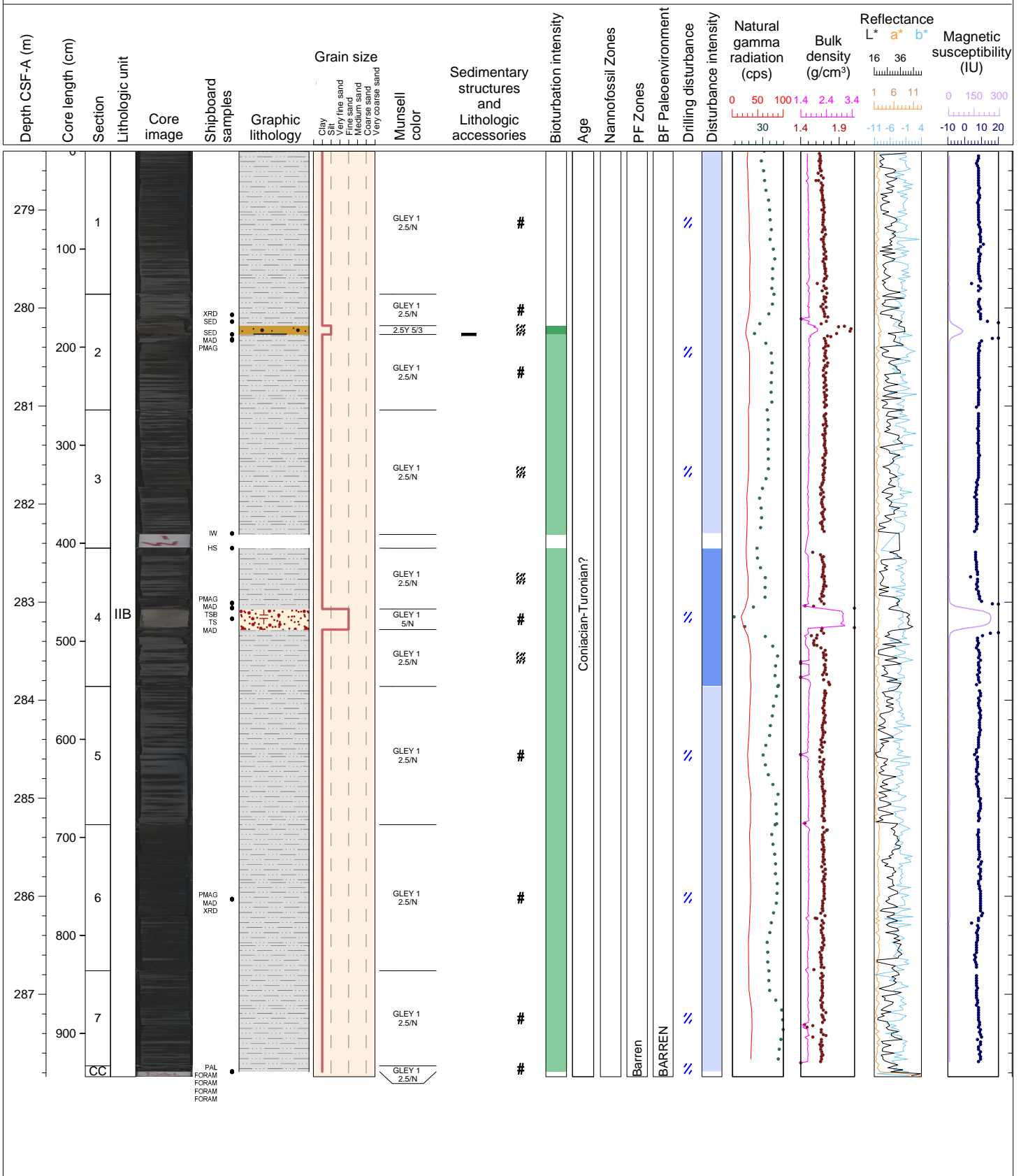


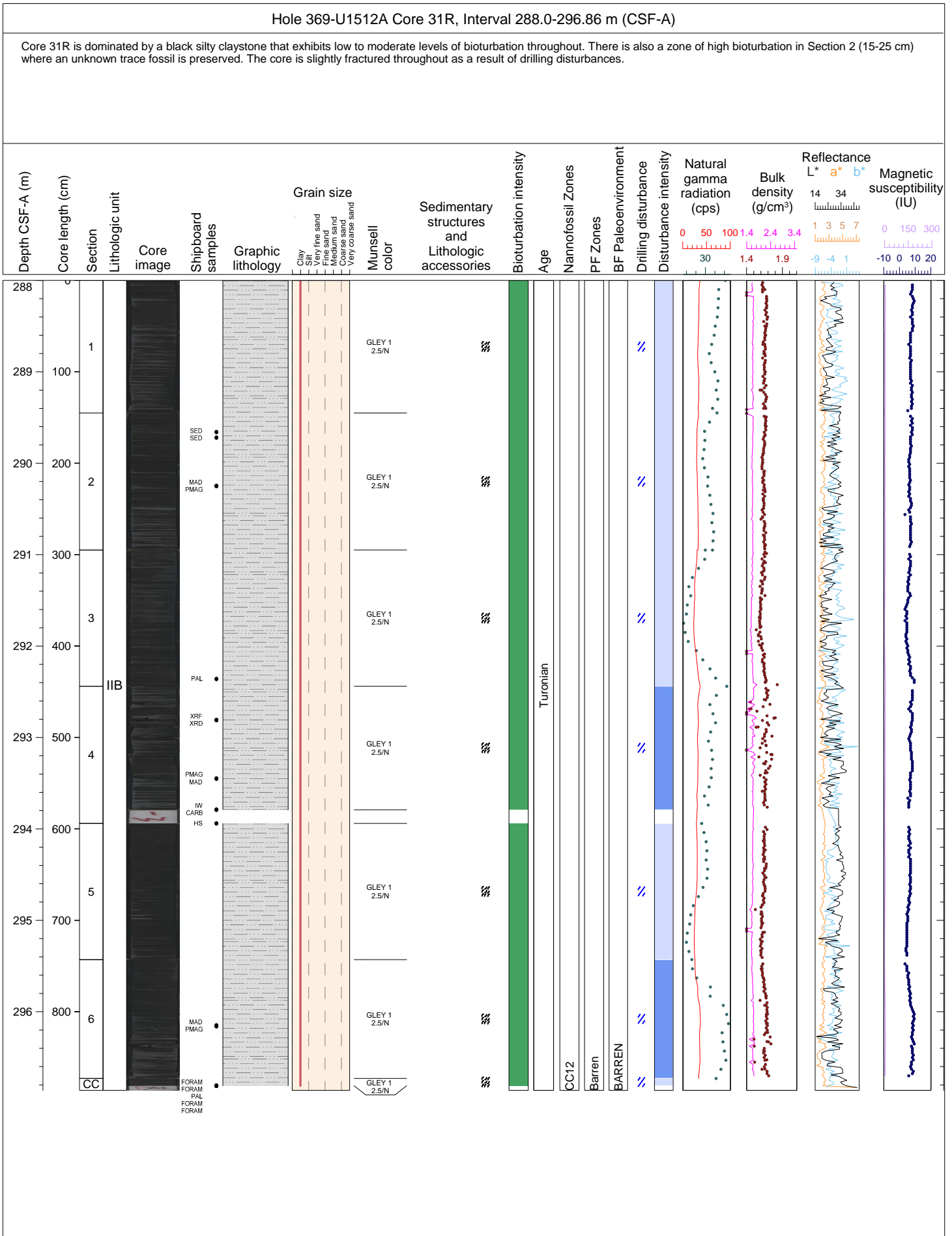


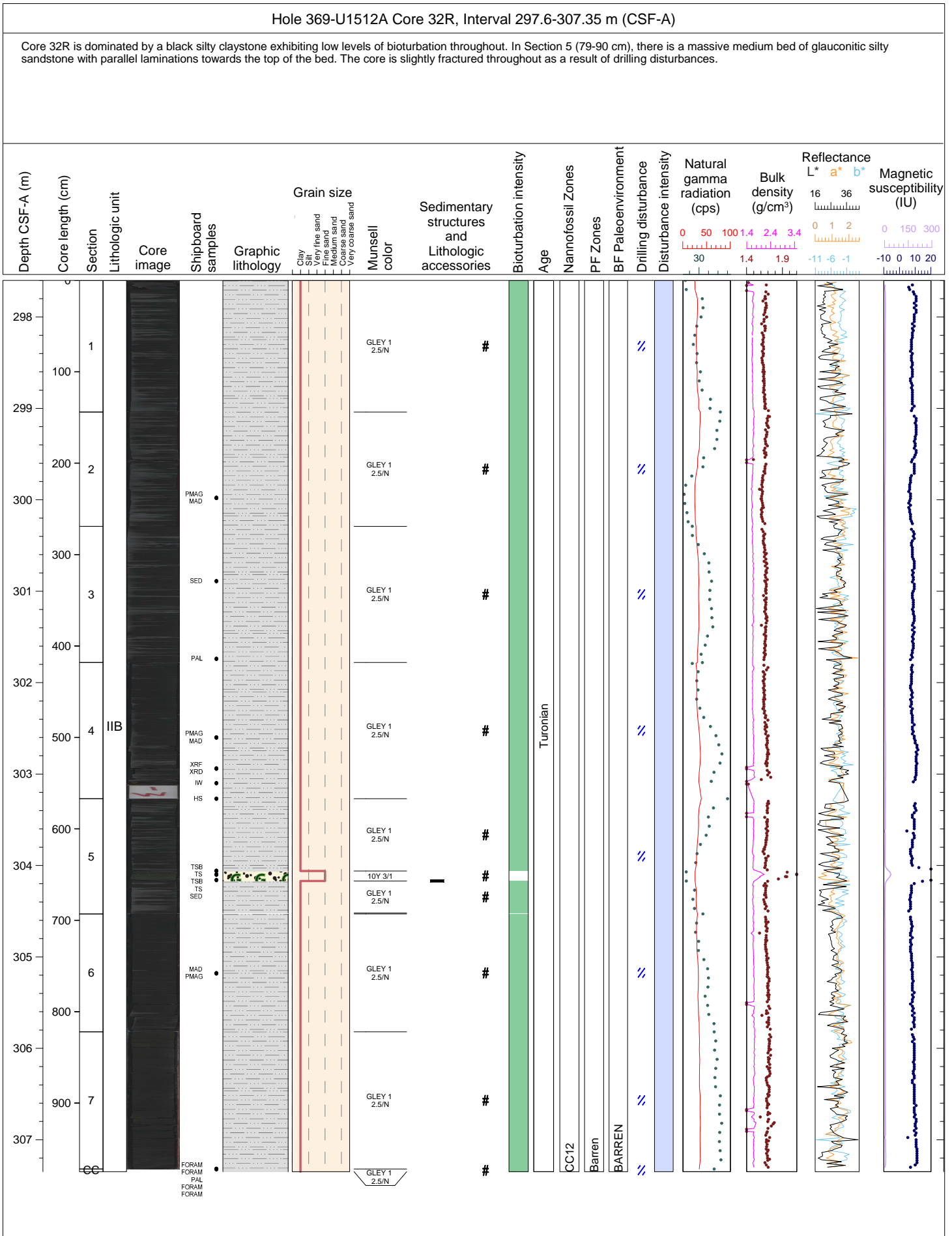


Hole 369-U1512A Core 30R, Interval 278.4-287.84 m (CSF-A)

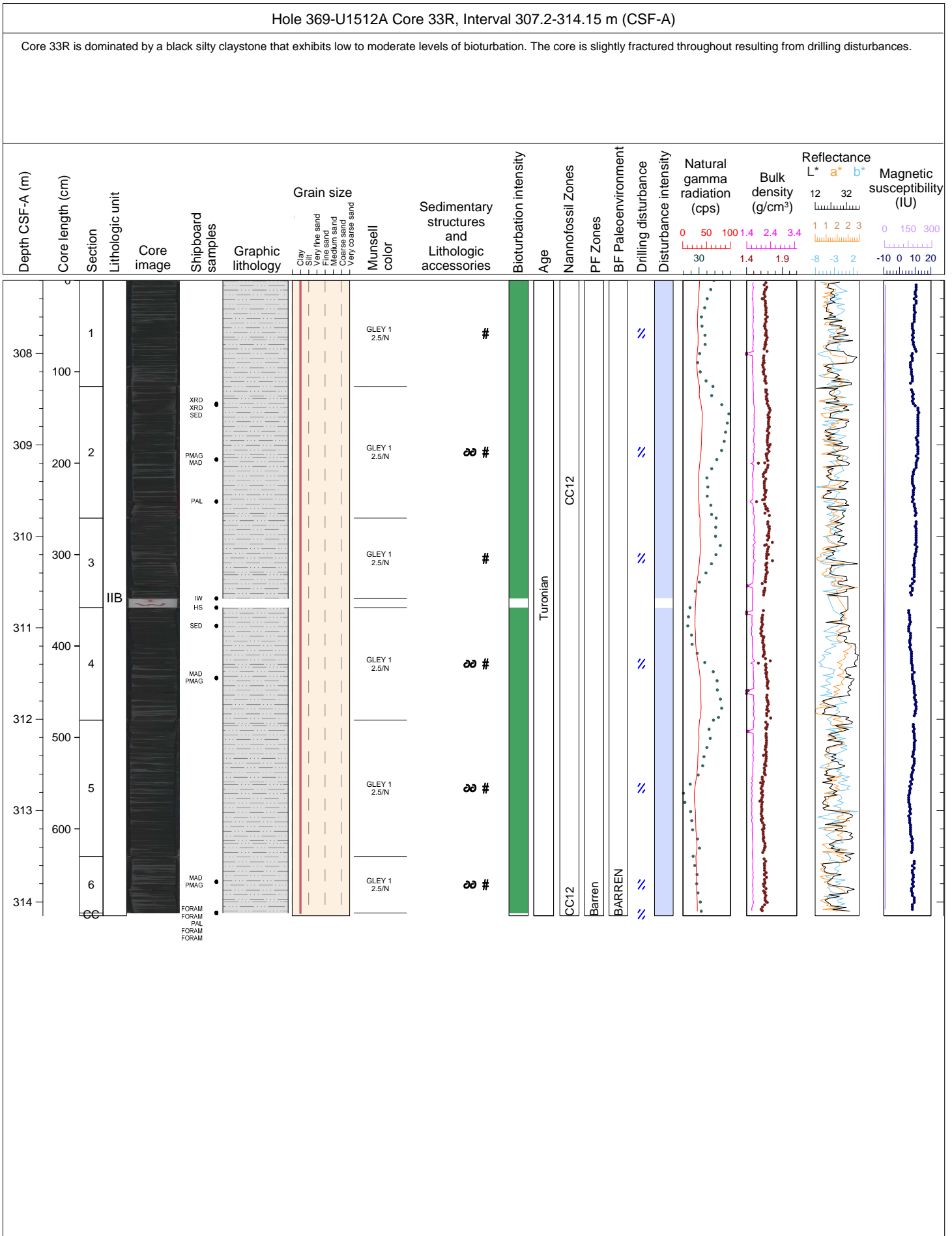
Core 30R is dominated by a black silty claystone with two beds; the first is a thin bed of clayey siltstone bed with a sharp base that contains siderite in Section 2 (32-41 cm). The second is a thick bed of thick sideritic sandstone bed with a sharp base in Section 4 (62-83 cm). The core exhibits low to moderate levels of bioturbation. The core is slightly fractured as a result of drilling disturbances.

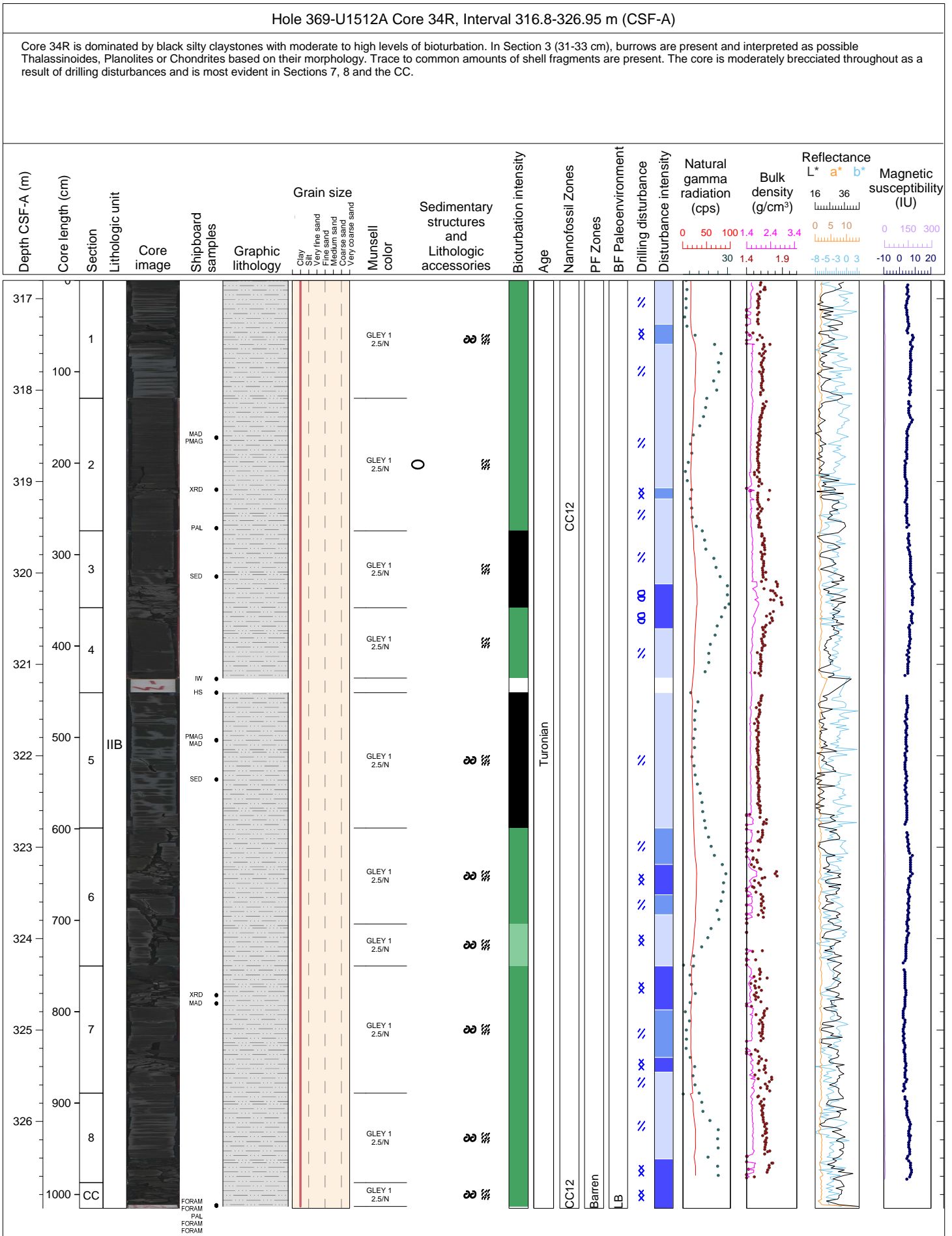


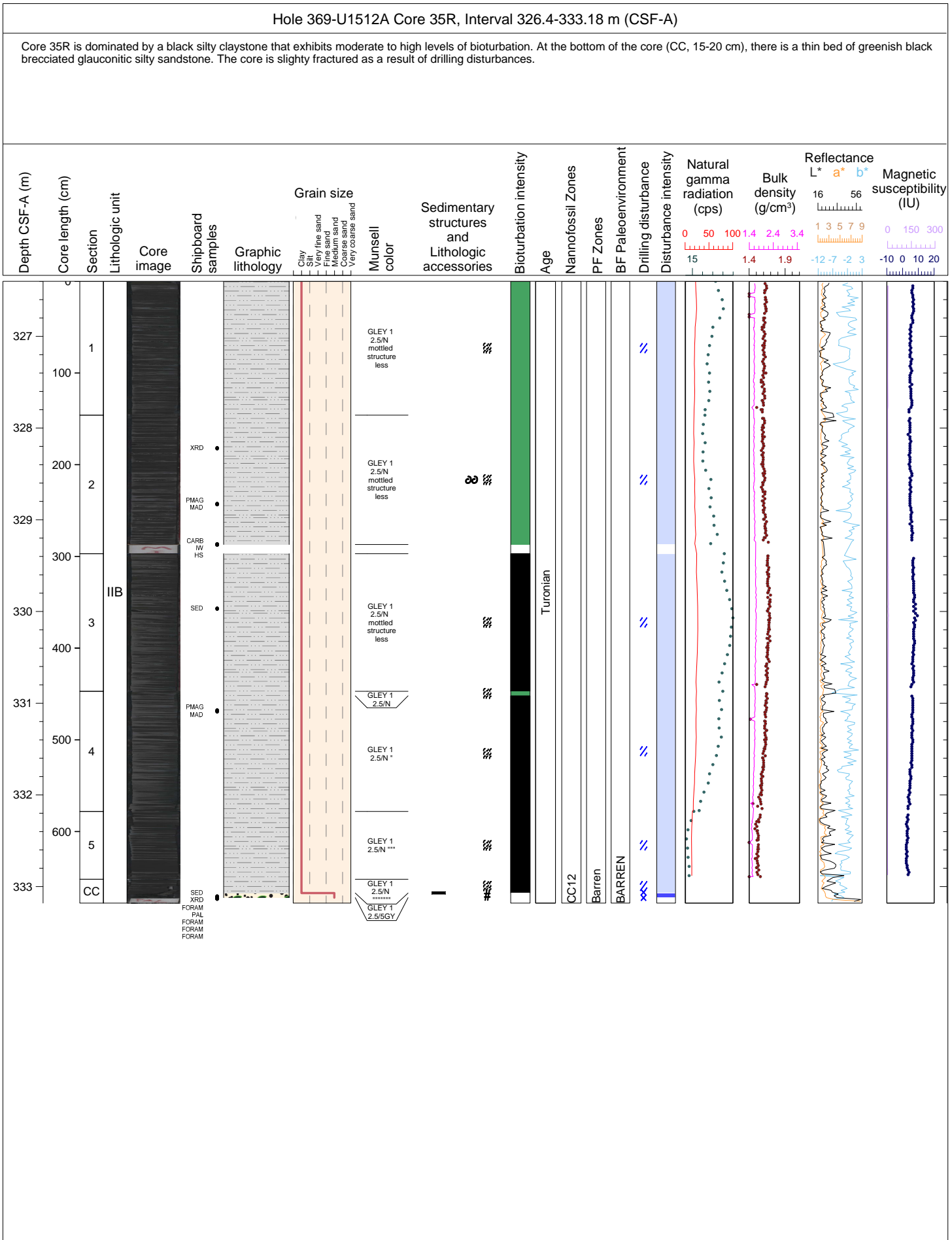


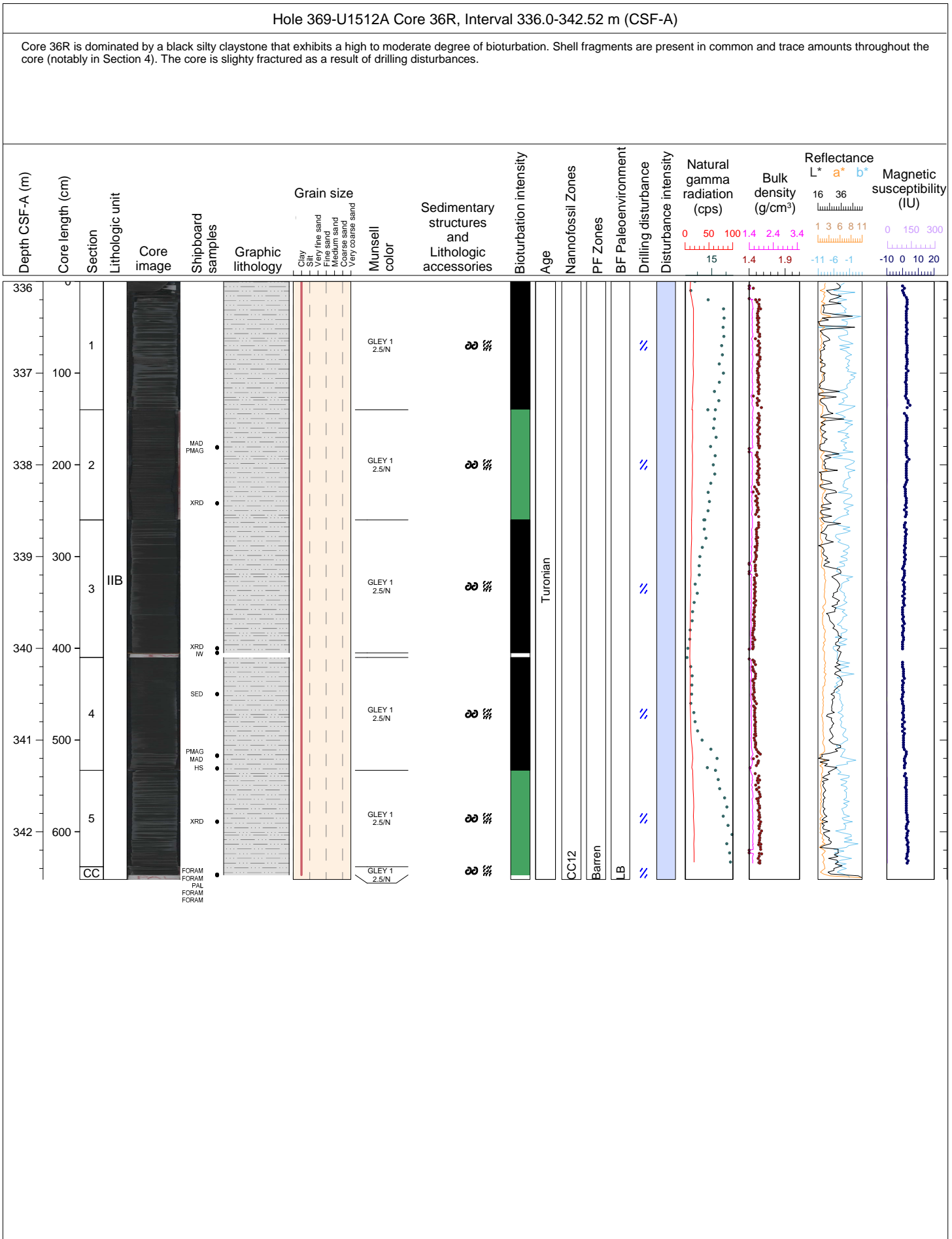






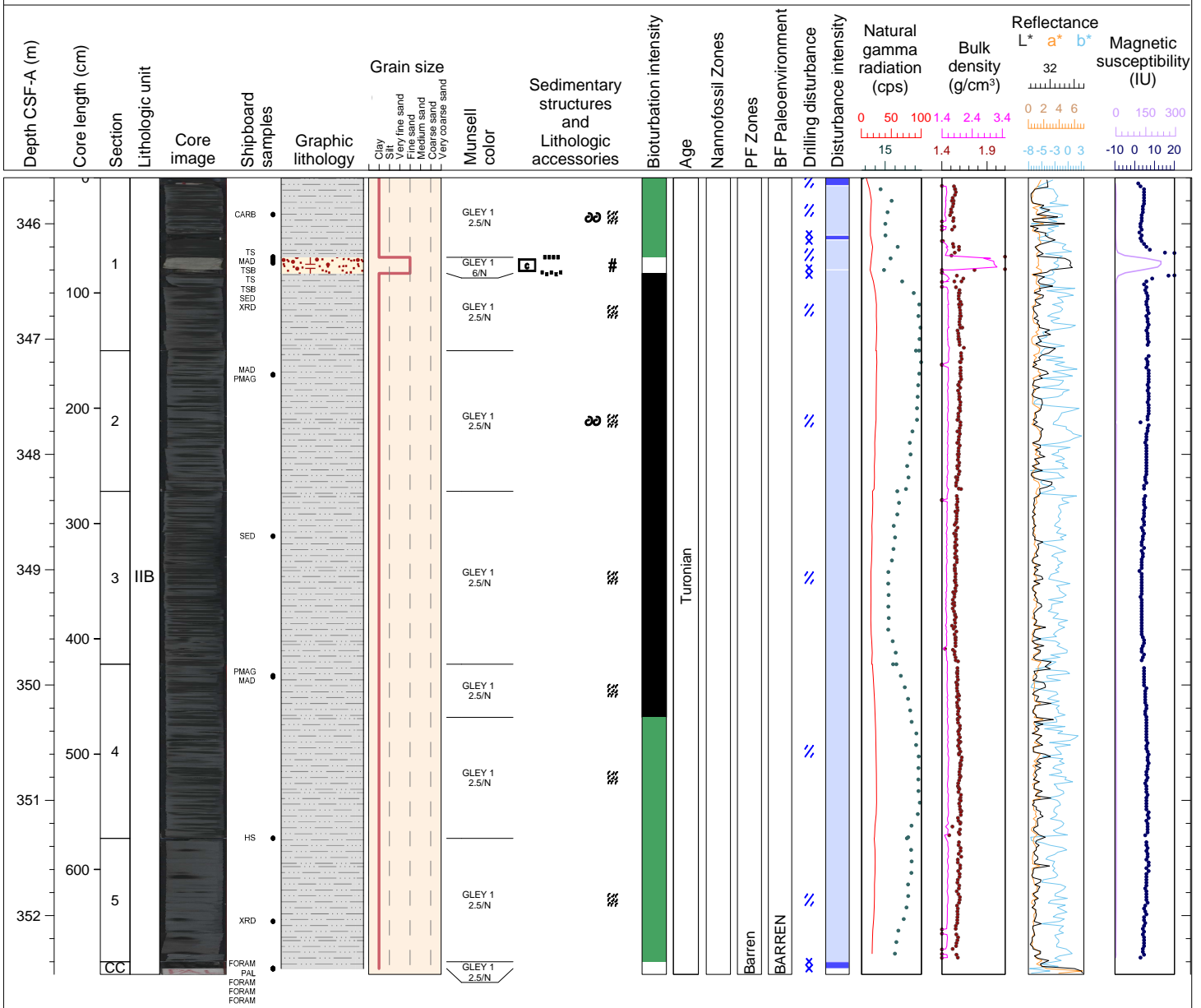


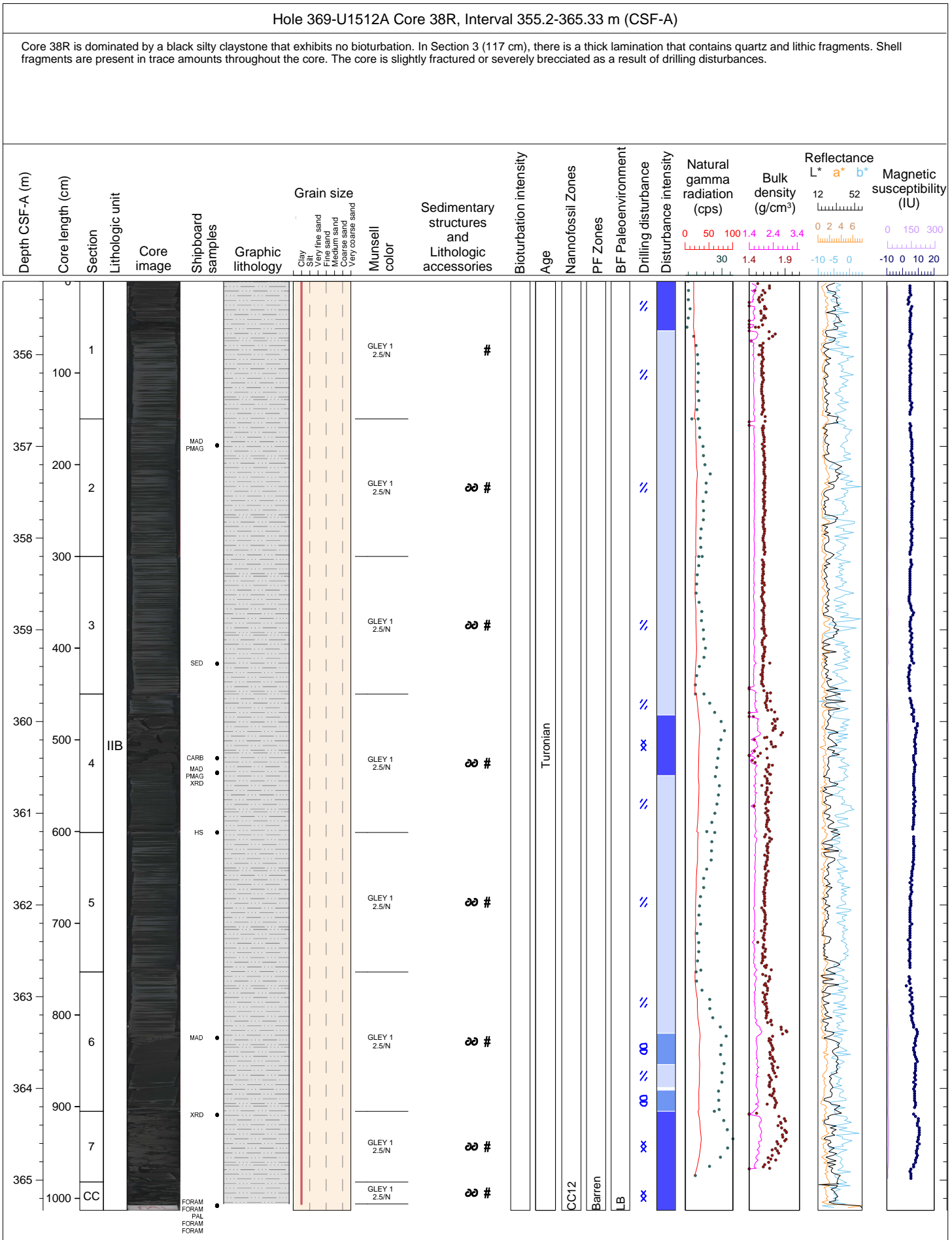


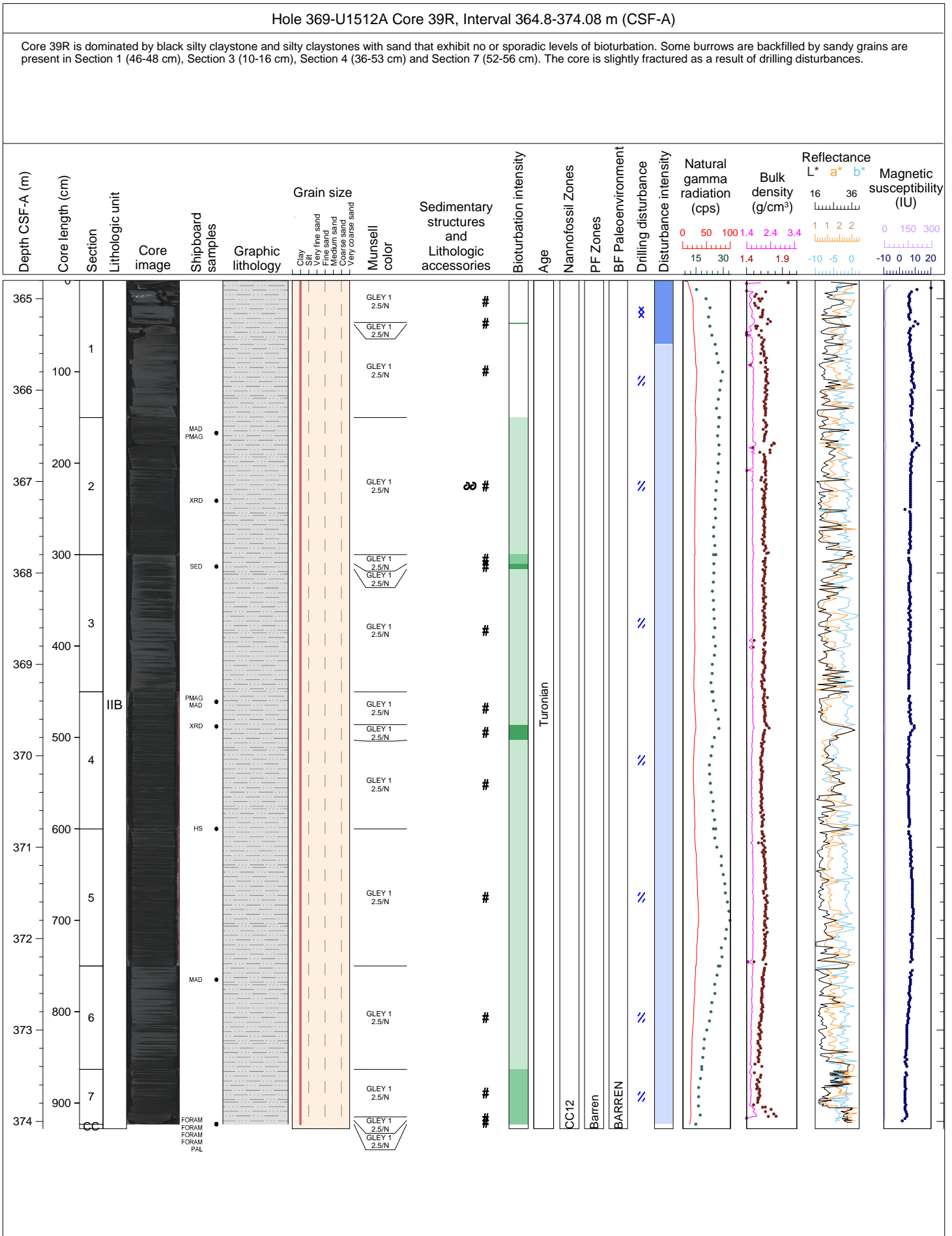


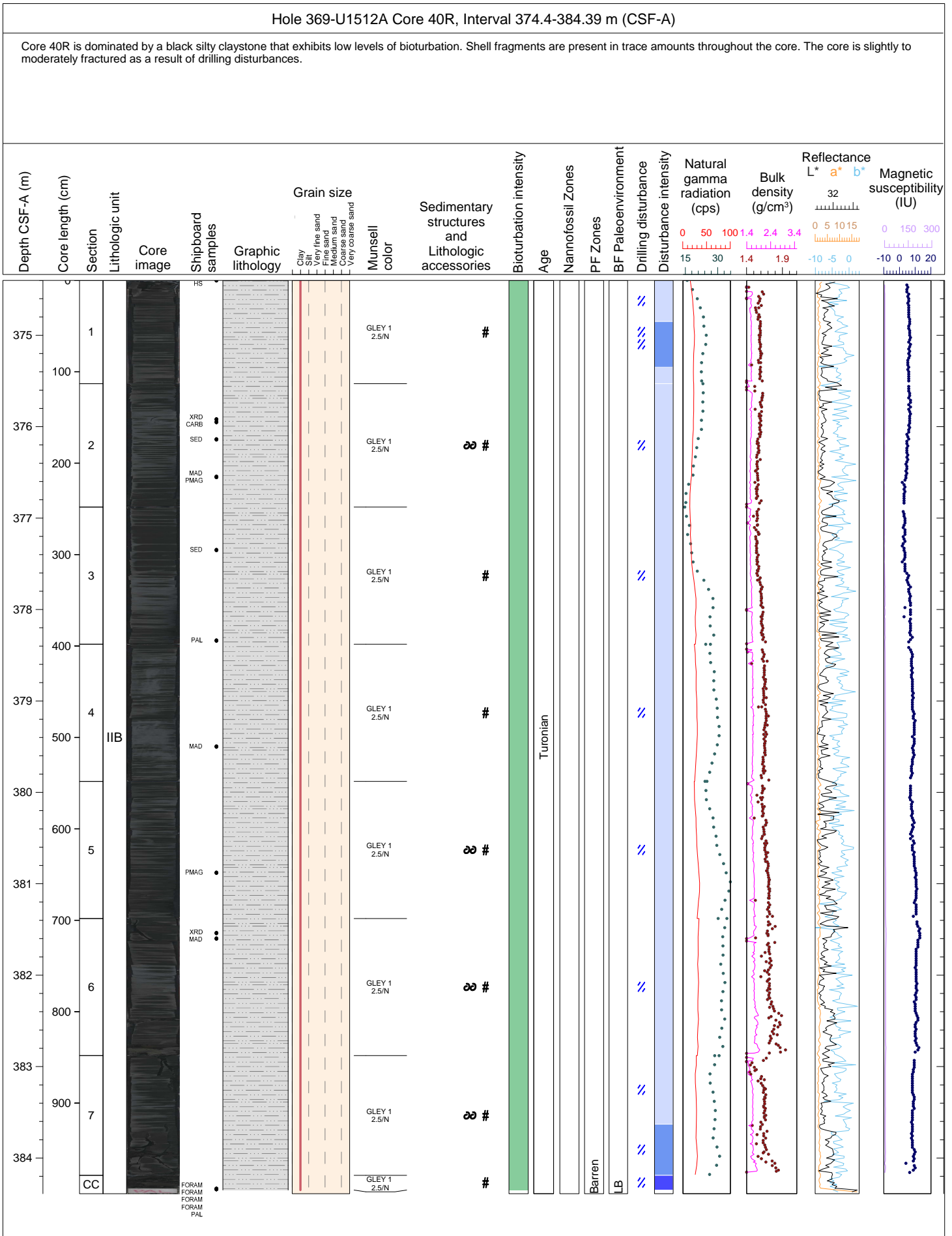
Hole 369-U1512A Core 37R, Interval 345.6-352.51 m (CSF-A)

Core 37R is dominated by a black silty claystone that exhibits high levels bioturbation. Shell fragments are present in trace amounts. In Section 1 (69-83 cm), there is a medium bed of sideritic silty sandstone. The core is either slightly brecciated or severely brecciated as a result of drilling disturbances.

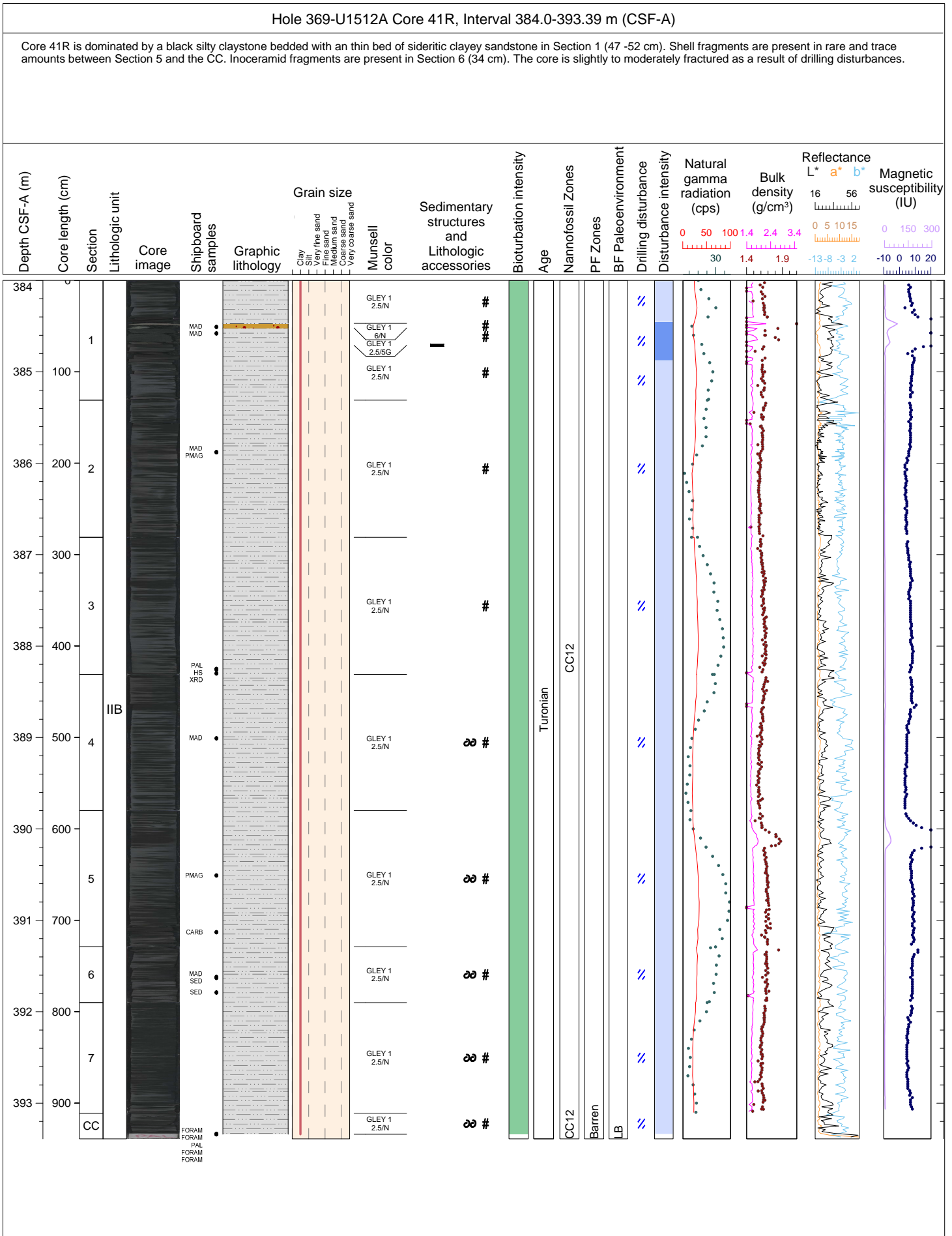


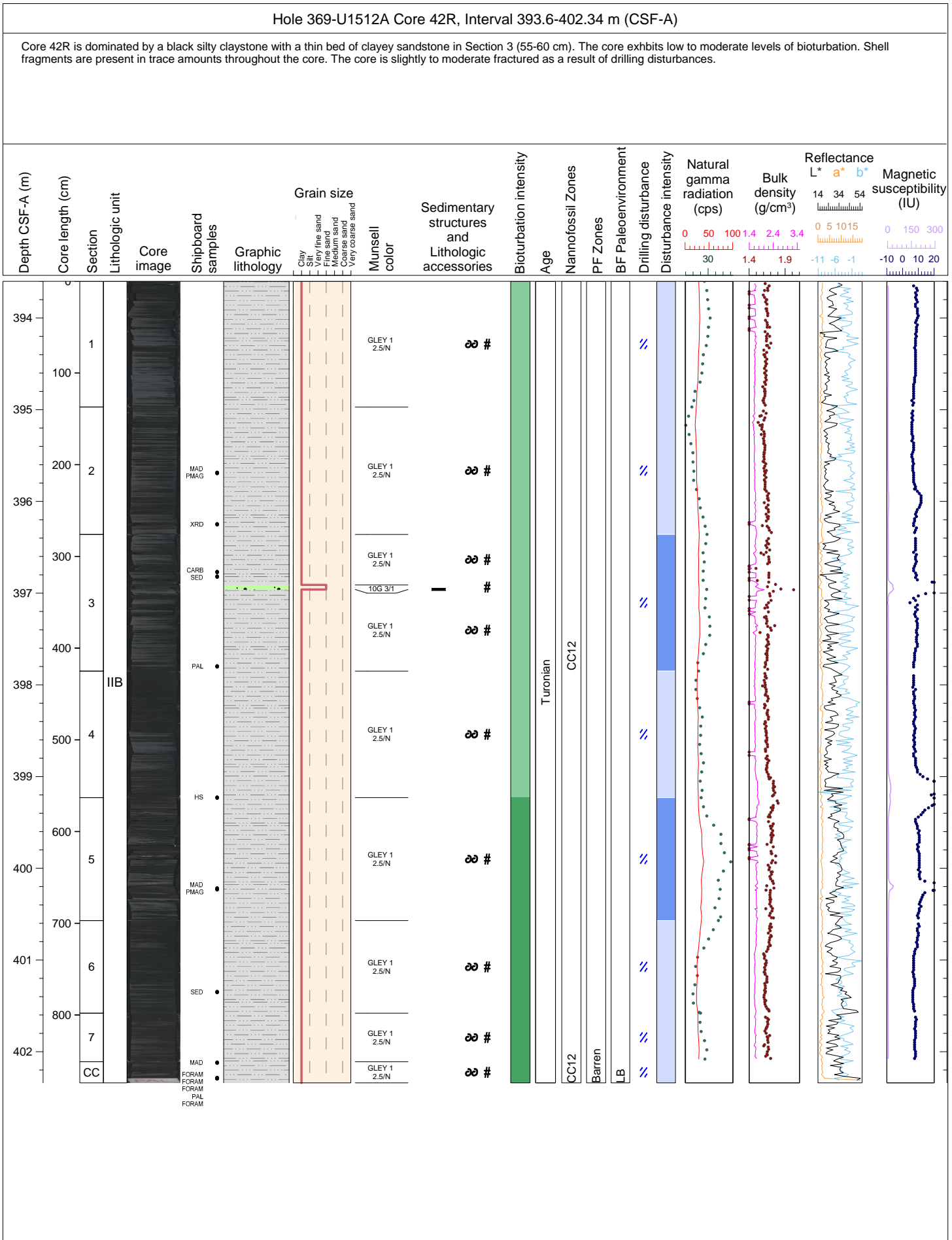


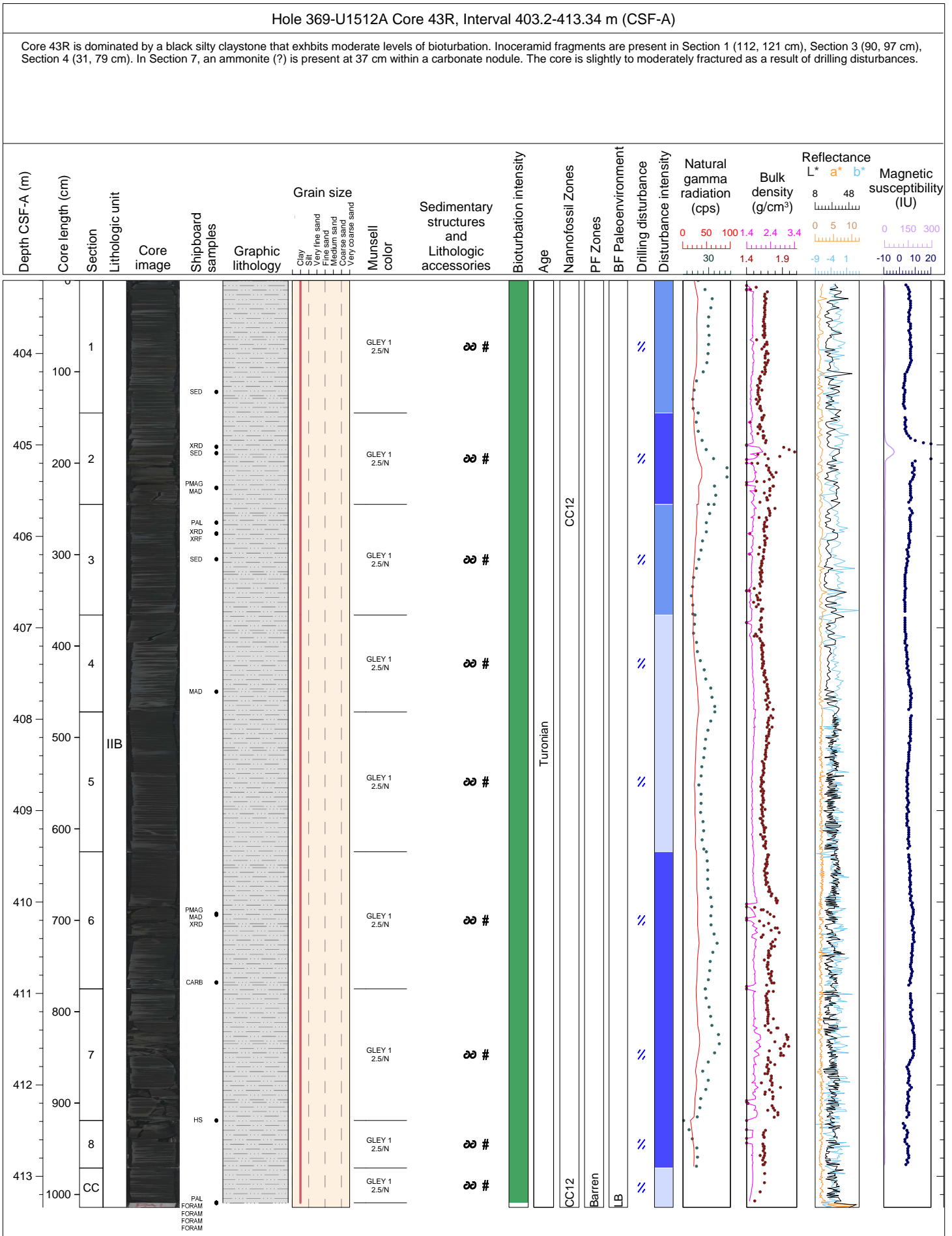






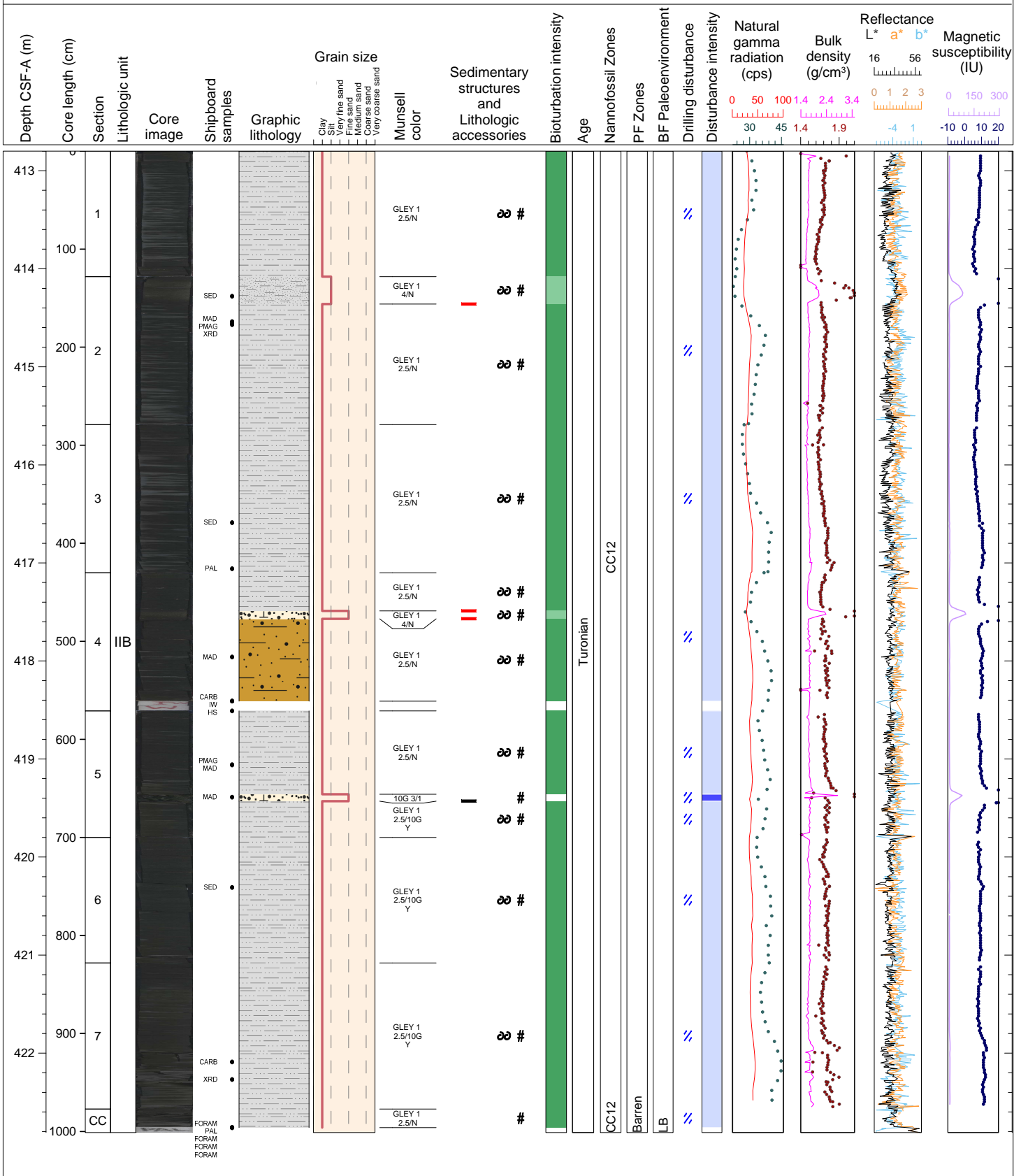


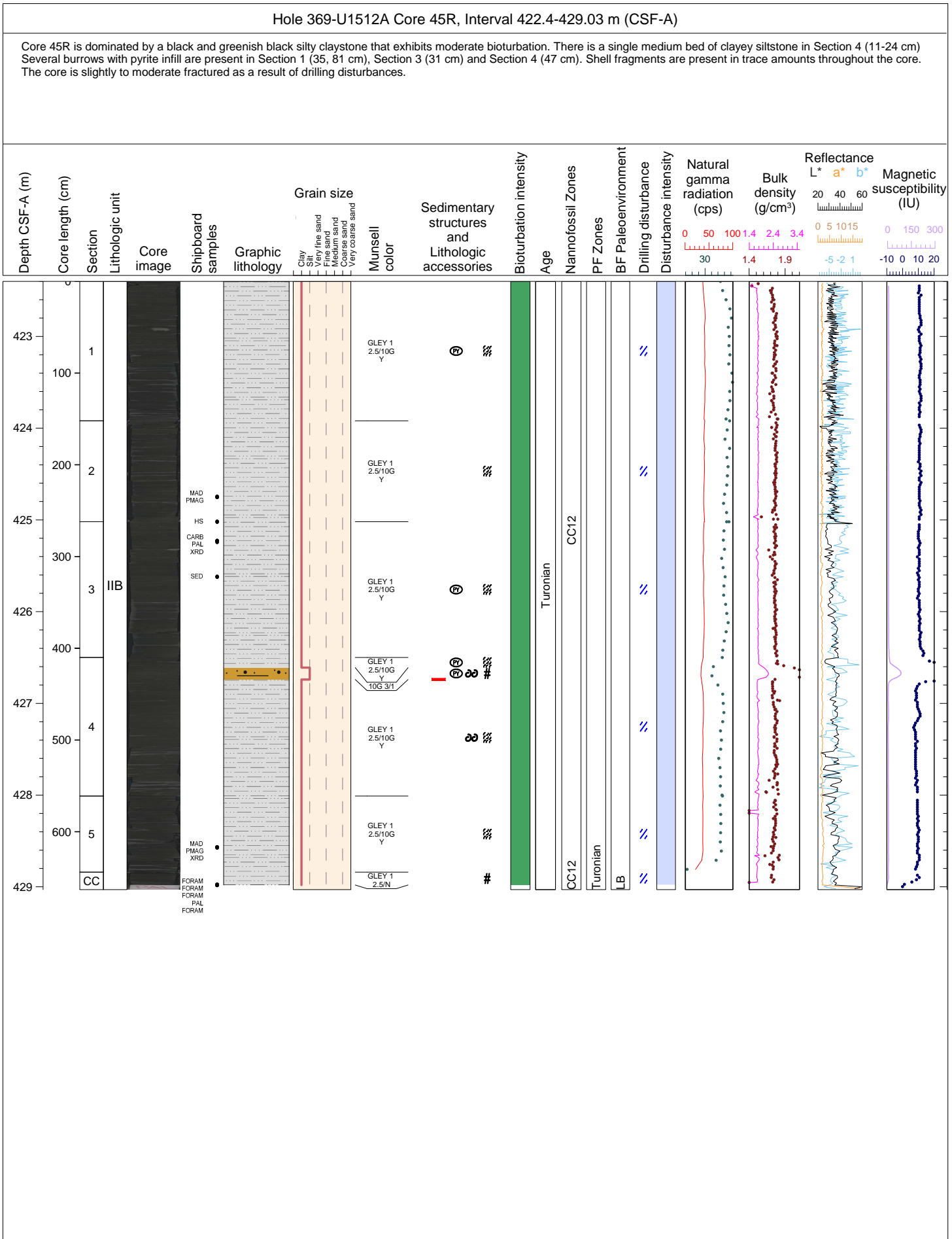




Hole 369-U1512A Core 44R, Interval 412.8-422.81 m (CSF-A)

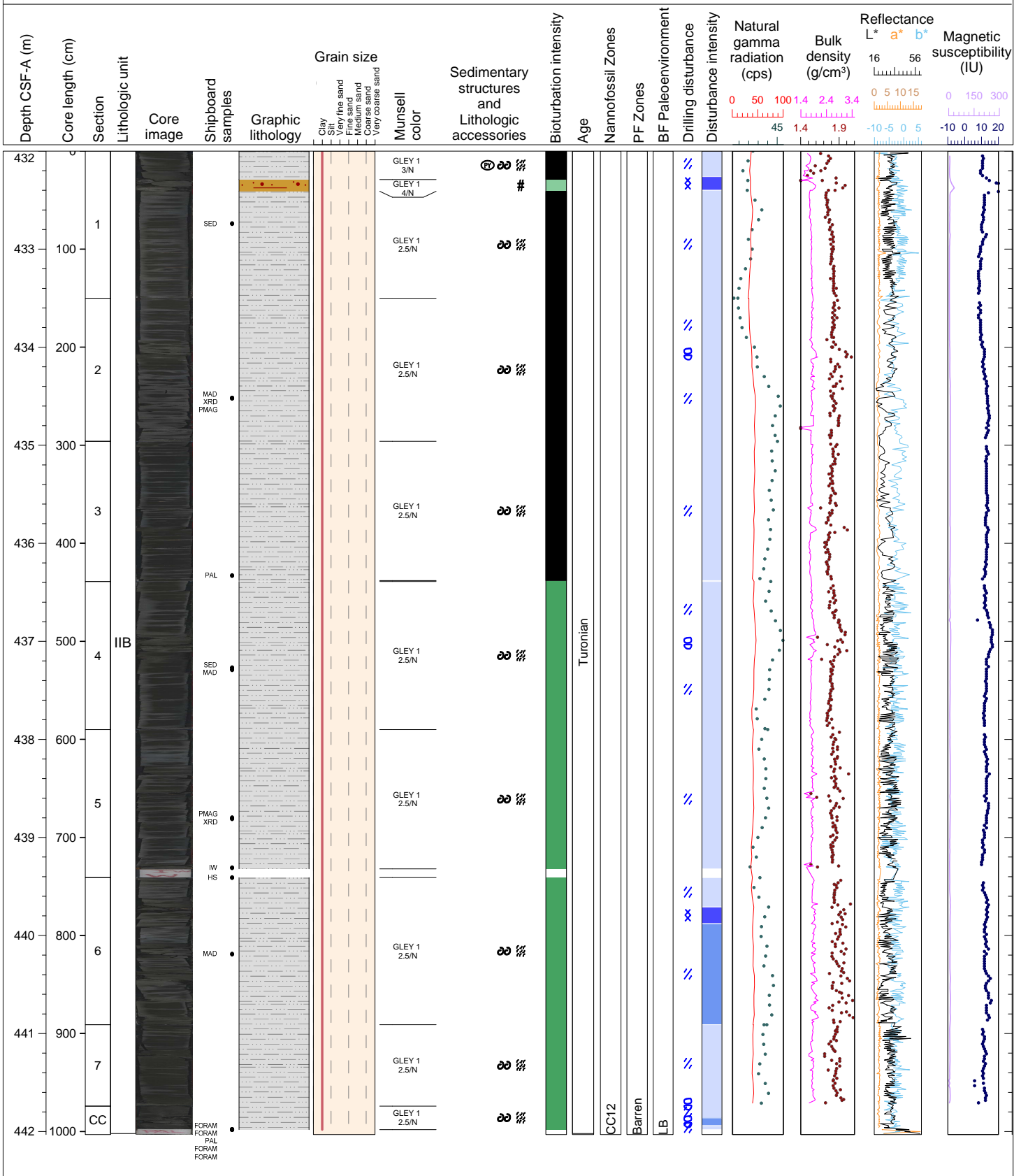
Core 44R is dominated by a black silty claystone with thick beds of greenish black clayey siltstone. There is one medium bed of sandy claystone in Section 2 and two thin beds of silty sandstone in Section 5 (39-47 and 85-92 cm). The core exhibits moderate levels of bioturbation. Shell fragments are present in trace and rare amounts throughout. The core is slightly to moderately fractured as a result of drilling disturbances.





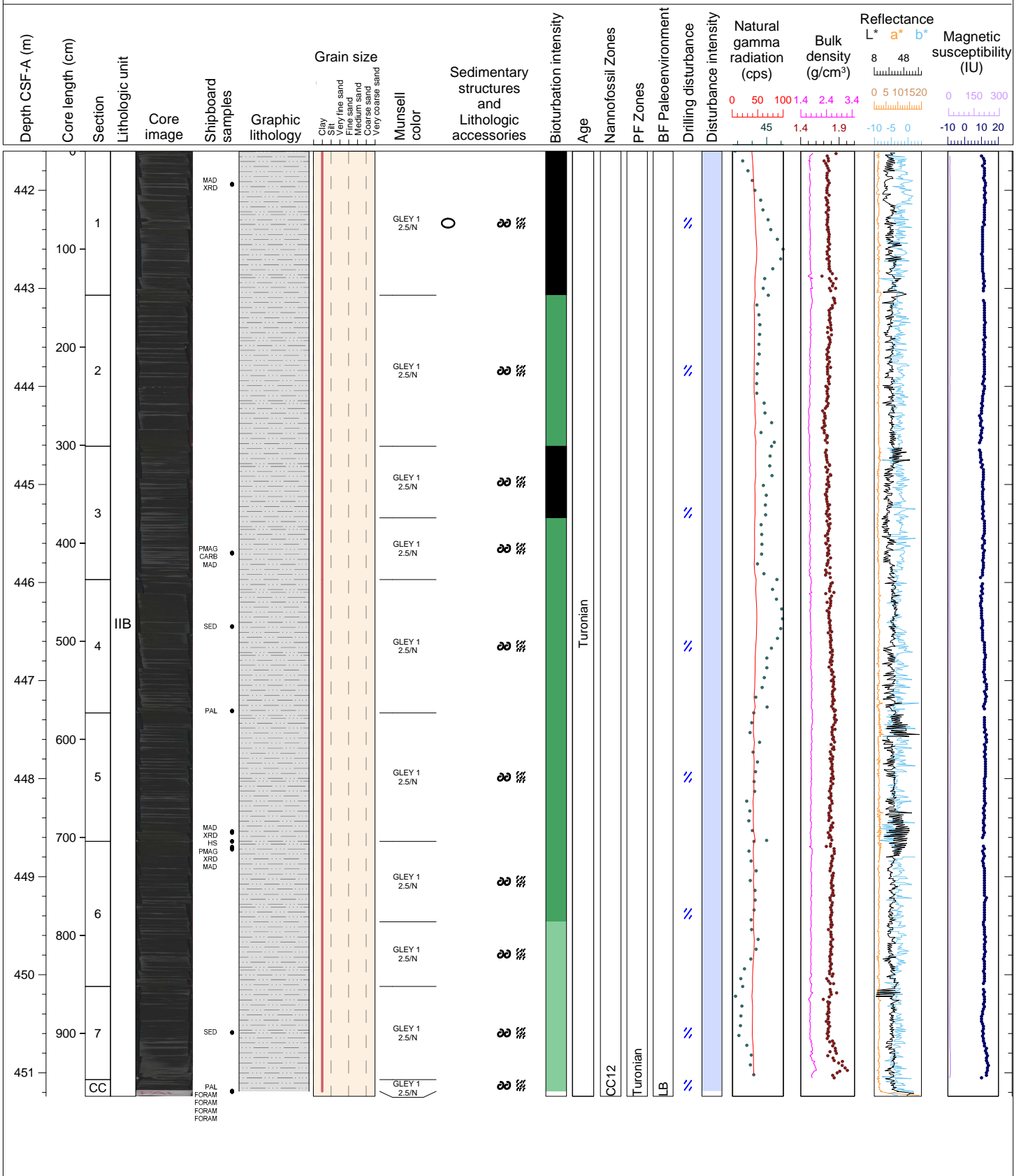
Hole 369-U1512A Core 46R, Interval 432.0-442.03 m (CSF-A)

Core 46R is dominated by a black silty claystone with a single medium interbed of siderite clayey sandstone in Section 1 (29-41 cm). The core exhibits both moderate and high levels of bioturbation. Common shell fragments are present in Section 1 (64, 103, 130 cm), Section 3 (126 cm), Section 6 (12, 13, 29 cm). Alteration halos (pyrite or phosphate) are present in Section 1 (118 cm), Section 2 (84 cm), Section 3 (62 cm) and in Section 5 (122 cm). Shell fragments are occasionally found in association with pyrite notably in Section 2 (100 cm). Burrows infilled with fine green sand are present in Section 2 (32 cm). The core is slightly fractured as a result of drilling disturbances.



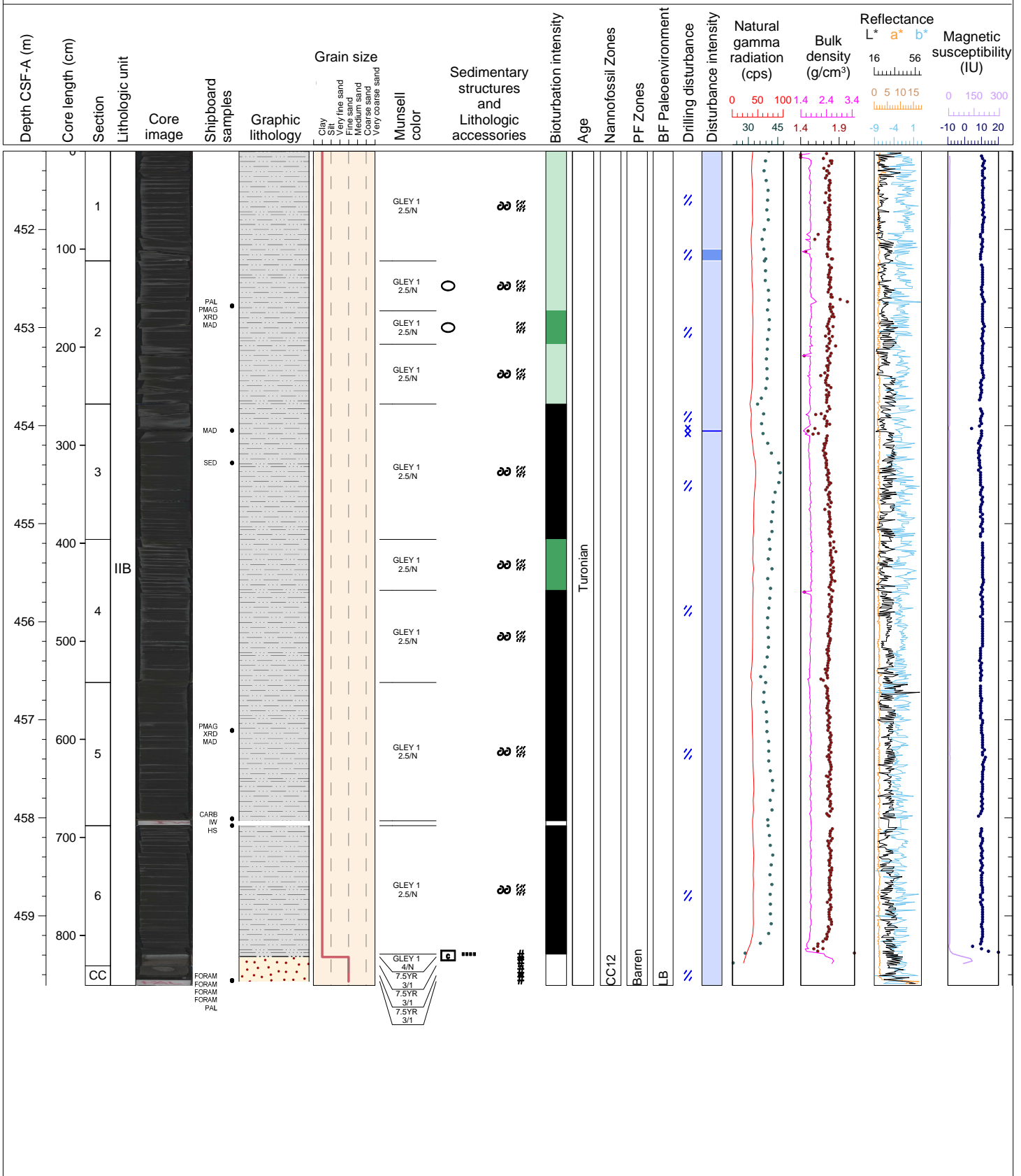
Hole 369-U1512A Core 47R, Interval 441.6-451.24 m (CSF-A)

Core 47R is dominated by a black silty claystone that exhibits moderate levels of bioturbation. Burrows filled with glauconitic sand are present in Section 2 (three burrows from 101-103 cm), and in Section 5 (one burrow 4-5 cm). Shell fragments are present in trace amounts in Section 2 (4, 31, 64, 112 cm), Section 4 (103, 104 cm), Section 5 (87 cm), Section 6 (102 cm) and Section 7 (31, 41 cm). A nodule of pyrite is also present in Section 6 (120 cm). The core is slightly fractured as a result of drilling disturbances.



Hole 369-U1512A Core 48R, Interval 451.2-459.71 m (CSF-A)

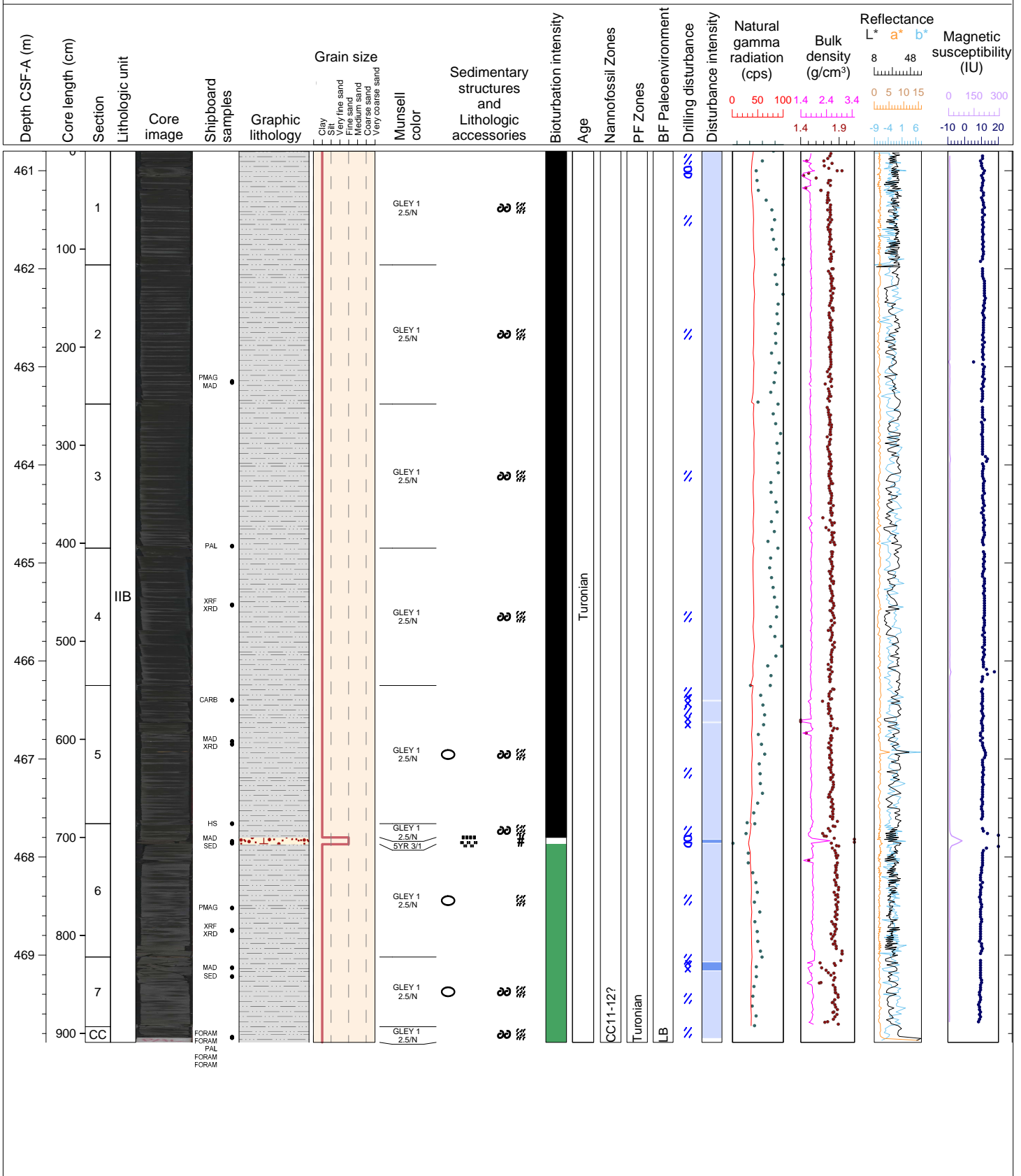
Core 48R is dominated by a black silty claystone that become more calcareous in composition in Section 6. From Section 6 (132 cm) to the CC (16 cm), there is a siderite sandstone with rounded mudclasts. The core exhibits high levels of bioturbation between Sections 1 to 6 and absent to the CC. Shell fragments are present in trace amounts in Section 1 (22 cm), Section 2 (122 cm) and Section 5 (11 cm). A nodule of pyrite is also present in Section 2 (19, 65 cm). The core is slightly fractured as a result of drilling disturbances.





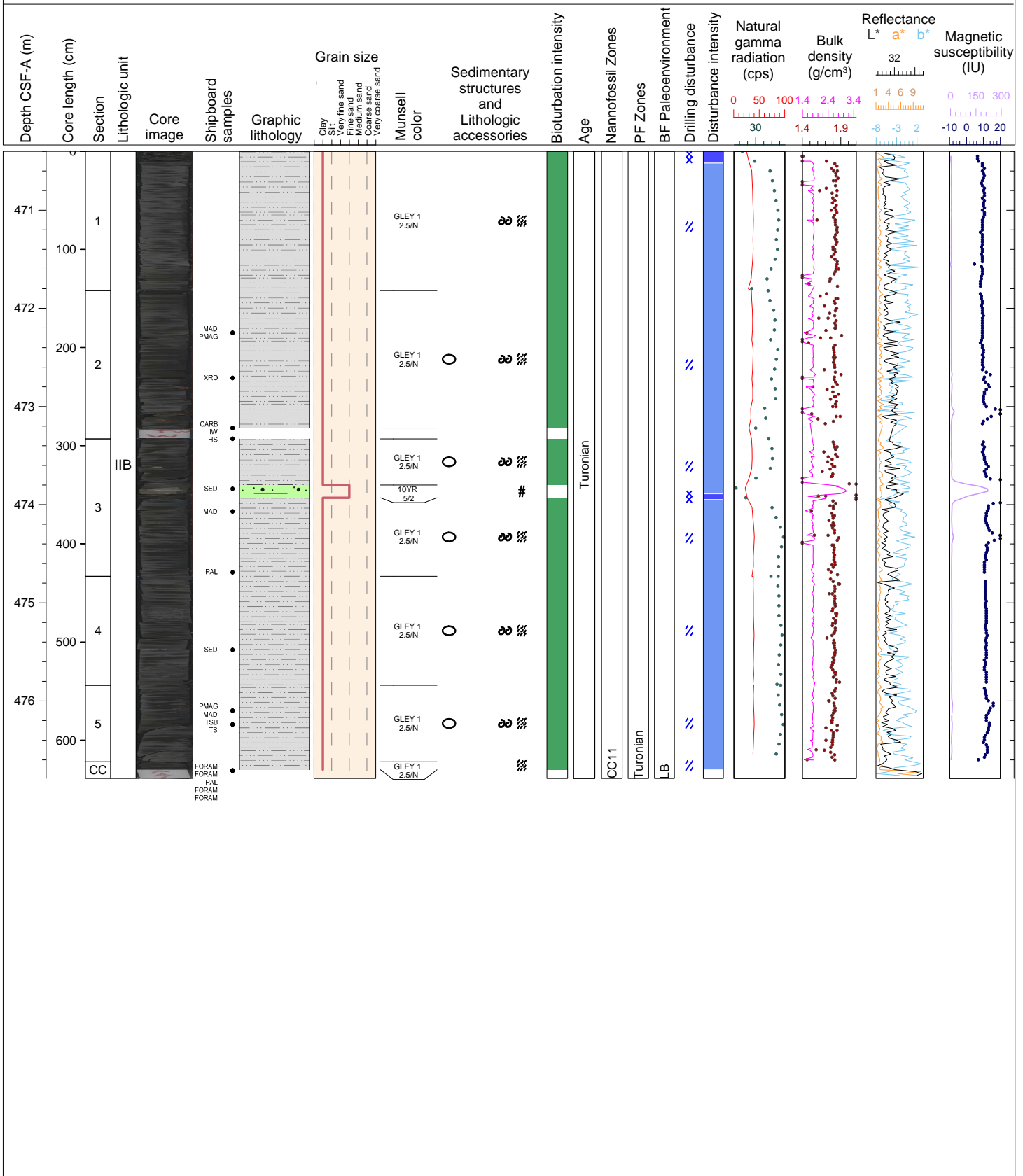
Hole 369-U1512A Core 49R, Interval 460.8-469.89 m (CSF-A)

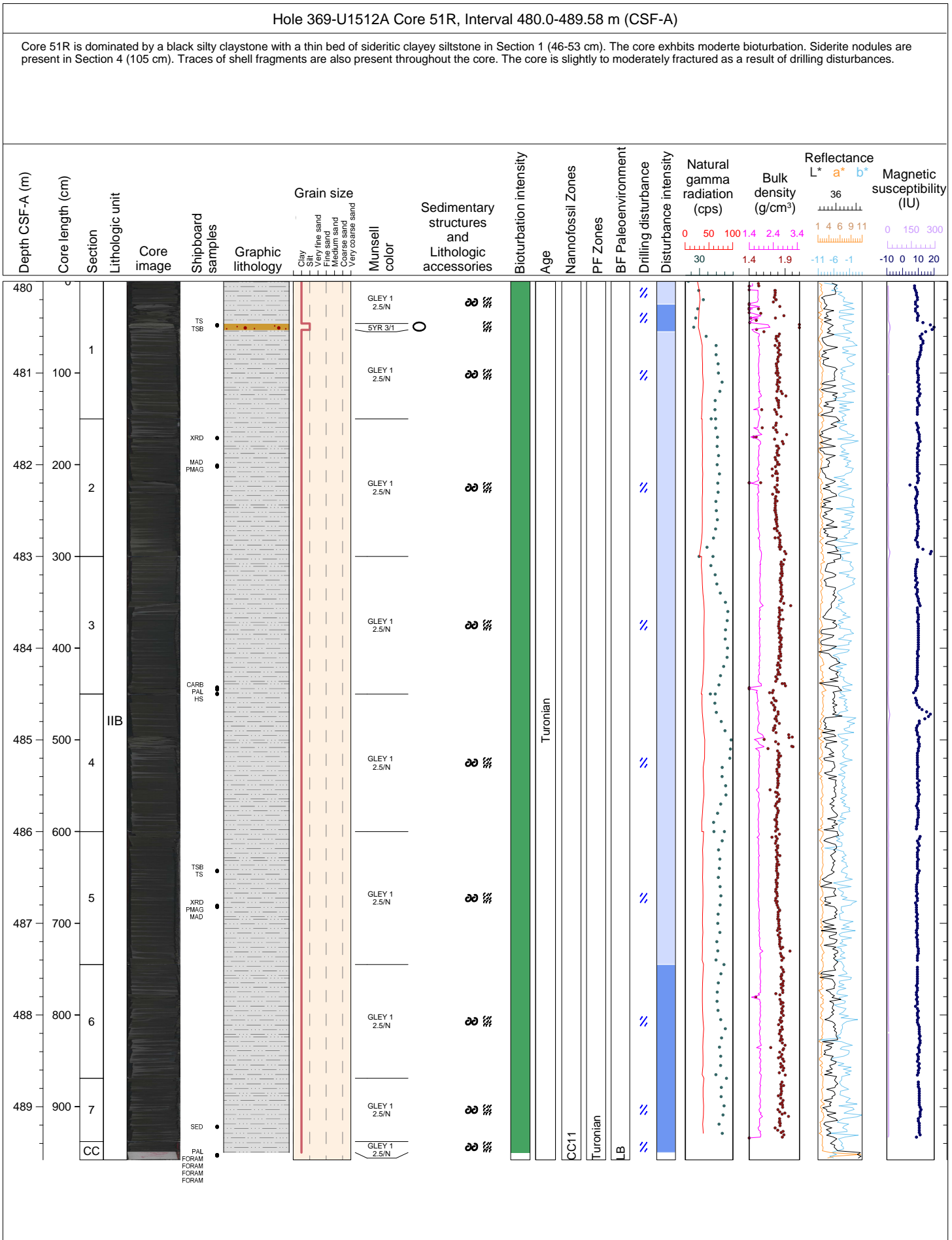
Core 49R is dominated by a black silty claystone with a thin bed of siderite clayey sandstone in Section 6 (14-20 cm). The core exhibits moderate levels of bioturbation. Shell fragments are present in rare amounts in Section 1 (12, 47 cm), Section 2 (63 cm), Section 4 (24, 99 cm), Section 5 (23, 136 cm), Section 6 (51, 123 cm) and in Section 7 (23, 37 cm). Nodules of pyrite are present in Section 5 (67 cm) and Section 6 (100-110 cm). The core is slightly fractured as a result of drilling disturbances.

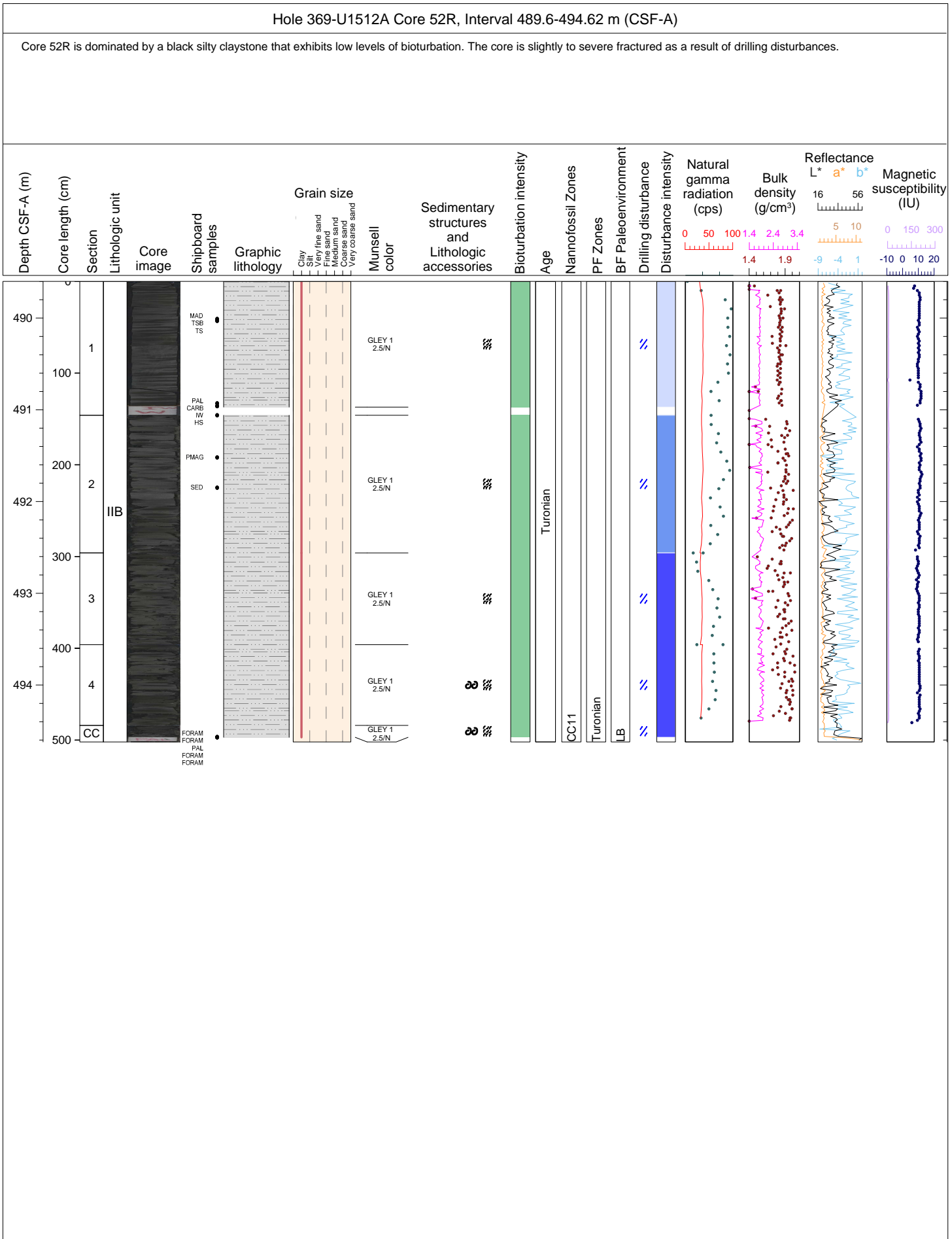


Hole 369-U1512A Core 50R, Interval 470.4-476.79 m (CSF-A)

Core 50R is dominated by a black silty claystone with a medium bed of clayey sandstone with siderite that exhibits normal grading and two bands of siderite in Section 3 (47-60 cm). The core exhibits moderate bioturbation. Nodules of siderite are present in Section 2 (97, 124, 130 cm), Section 3 (29 cm), Section 4 (75 cm) and Section 5 (20 cm). Shell fragments are present in trace and rare amounts in Section 1 (71 cm), Section 2 (49, 69 cm), Section 3 (37, 101 cm) and Section 4 (69 cm). The core is moderately fractured as a result of drilling disturbances.

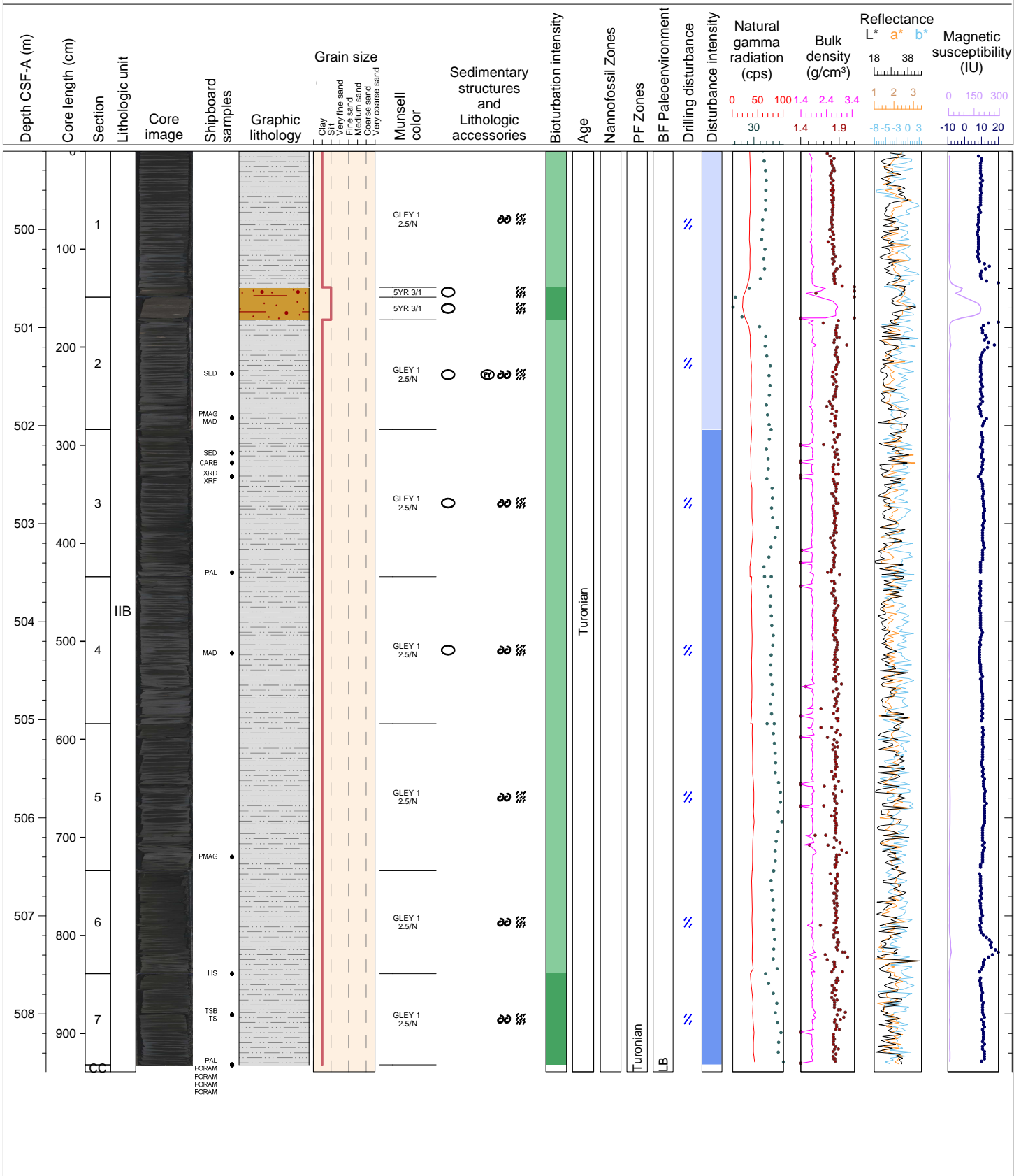


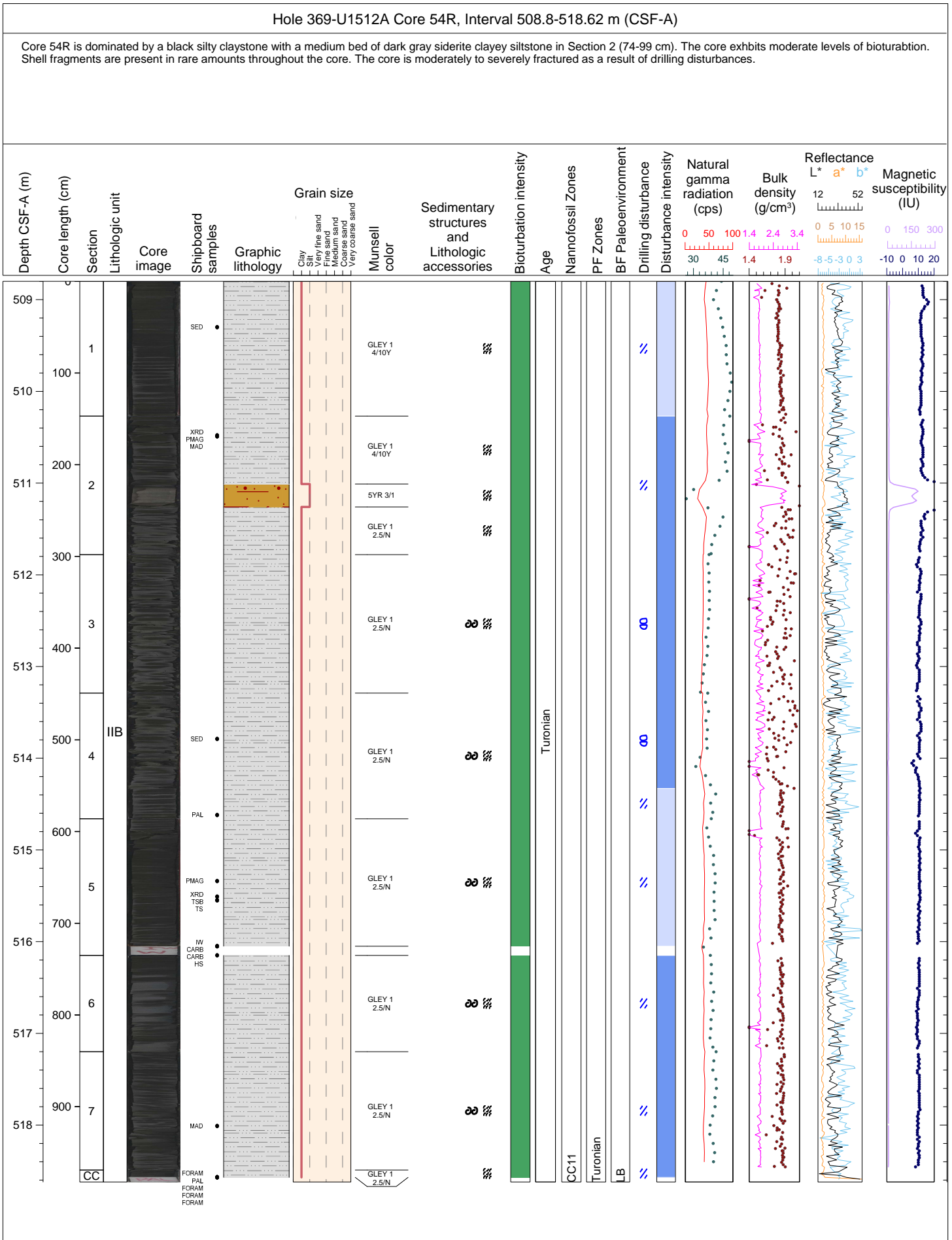


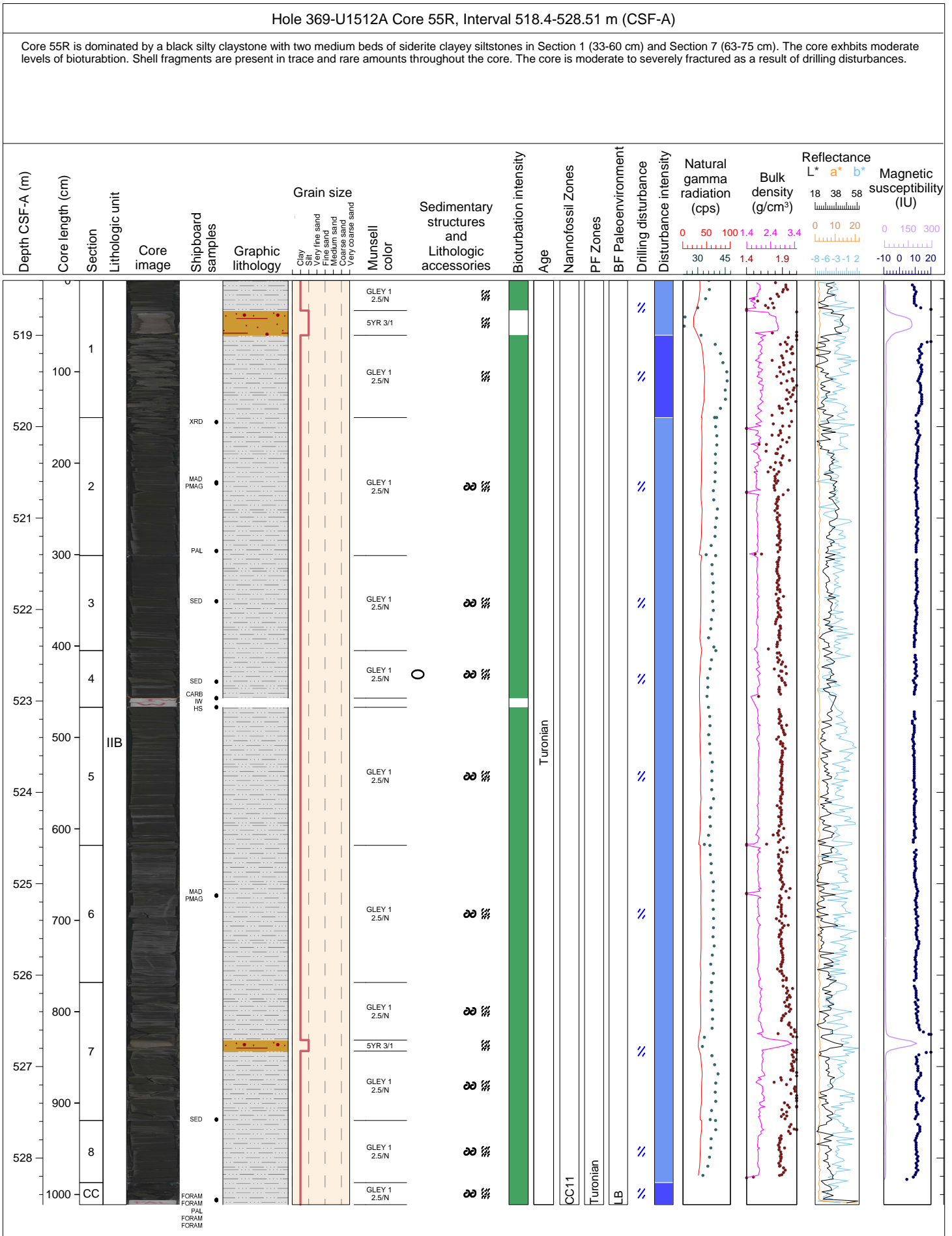


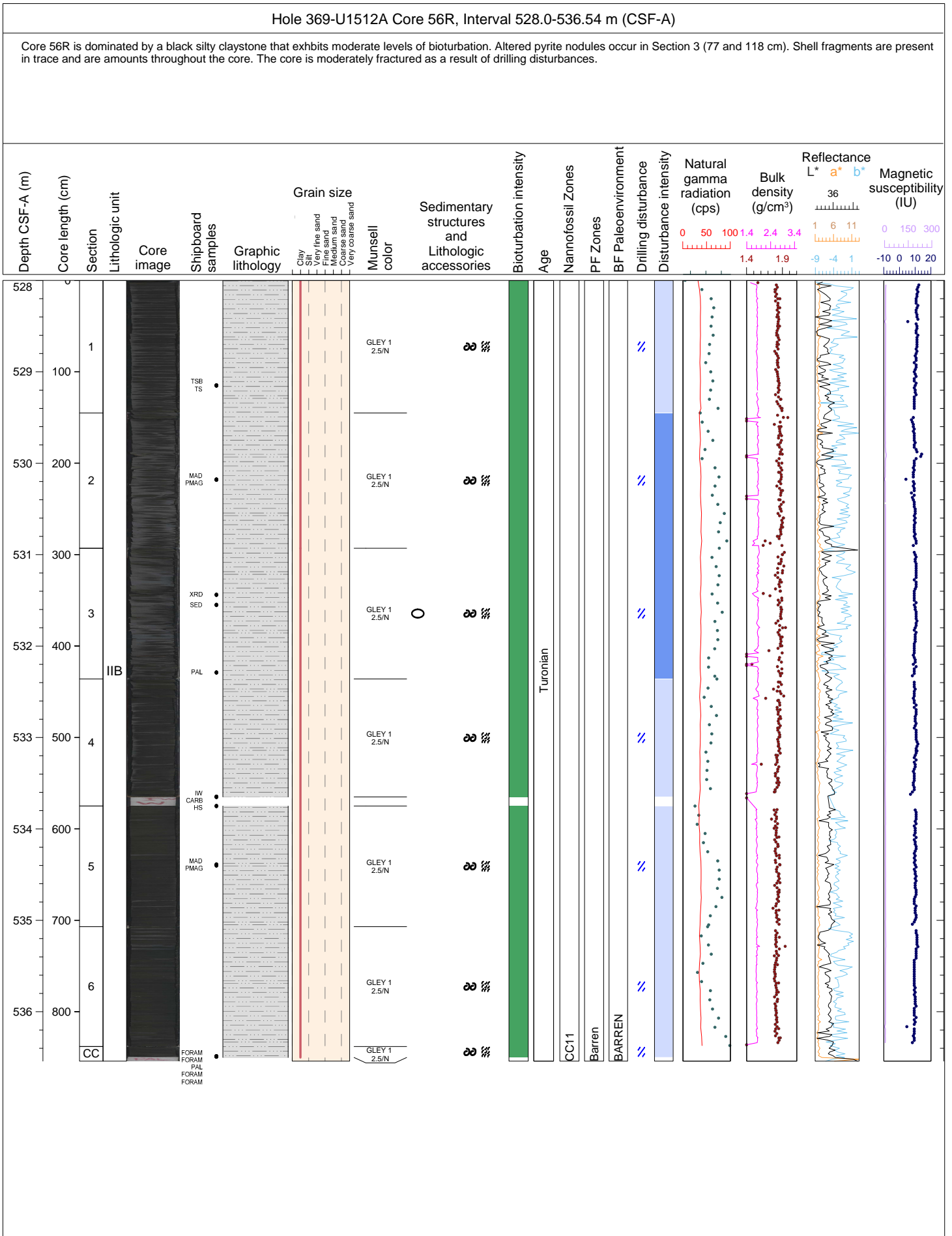
Hole 369-U1512A Core 53R, Interval 499.2-508.59 m (CSF-A)

Core 53R is dominated by a black silty claystone with a thick bed siderite clayey siltstone spanning Section 1 (139-149 cm) and Section 2 (0-23 cm). The core exhibits moderate levels of bioturbation. Several carbonate and pyritic nodules are present in the upper parts of Sections 1-3. Shell fragments are present in trace and rare amounts throughout the core. The core is low to moderately fractured as a result of drilling disturbances.





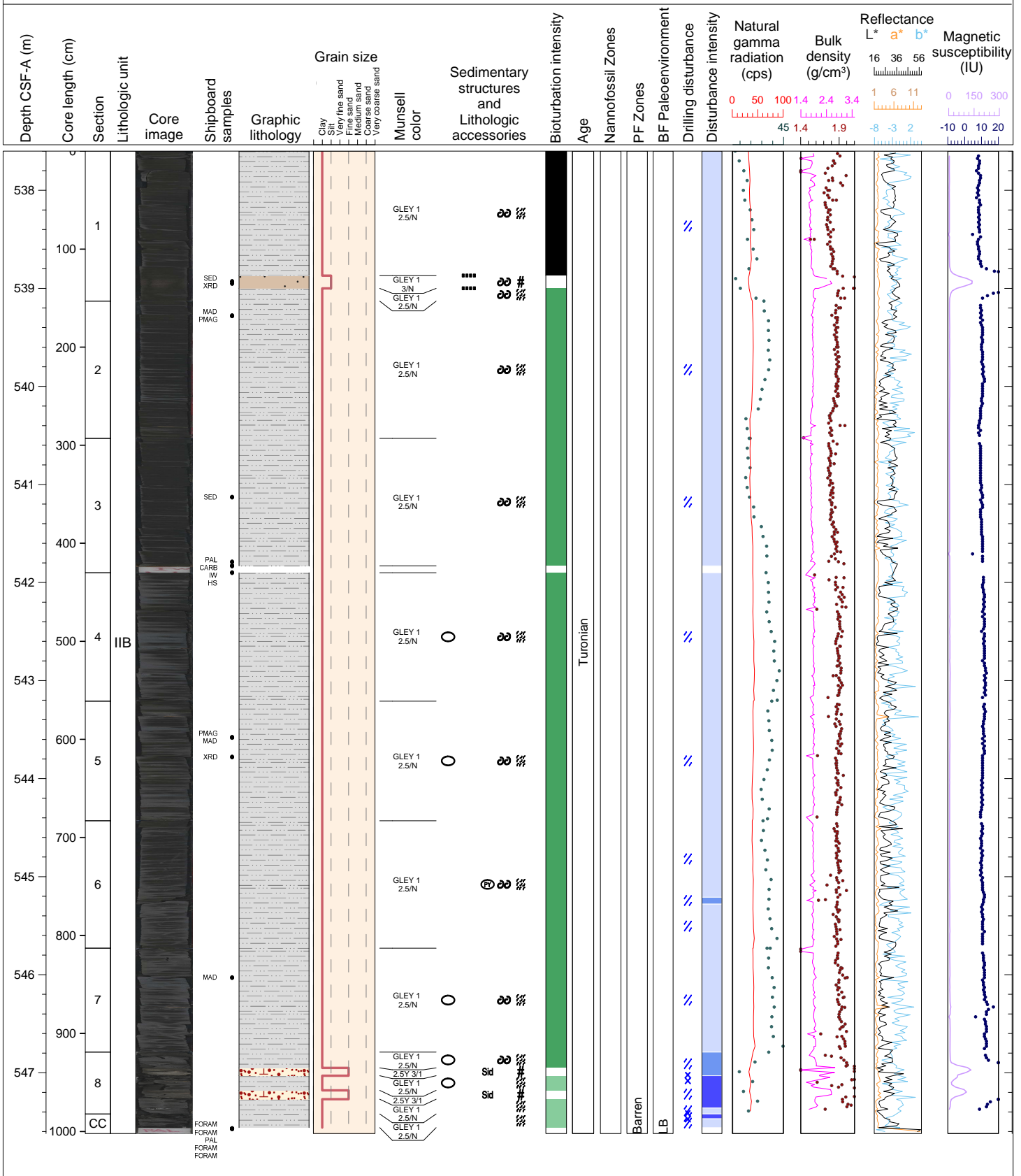






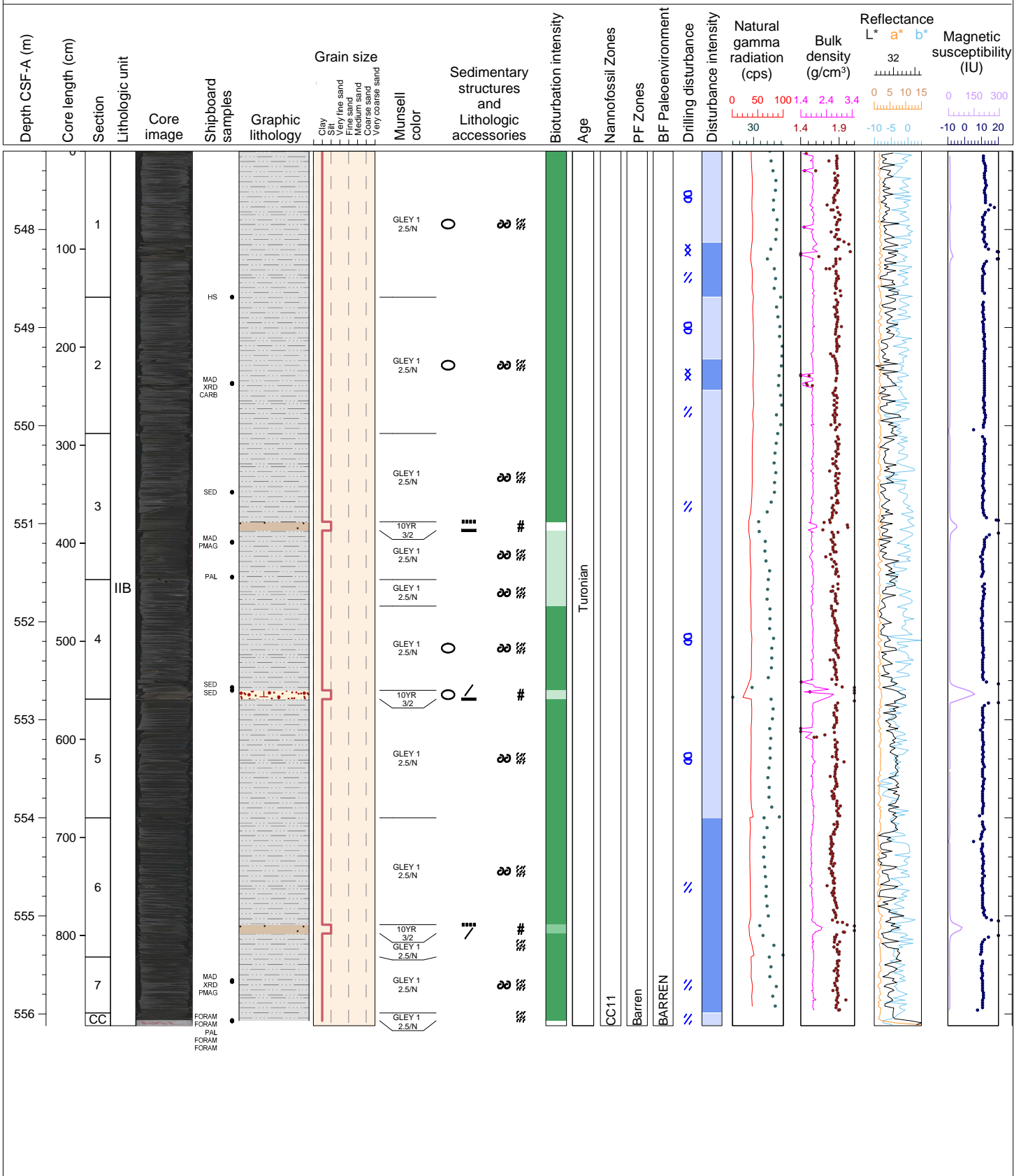
Hole 369-U1512A Core 57R, Interval 537.6-547.62 m (CSF-A)

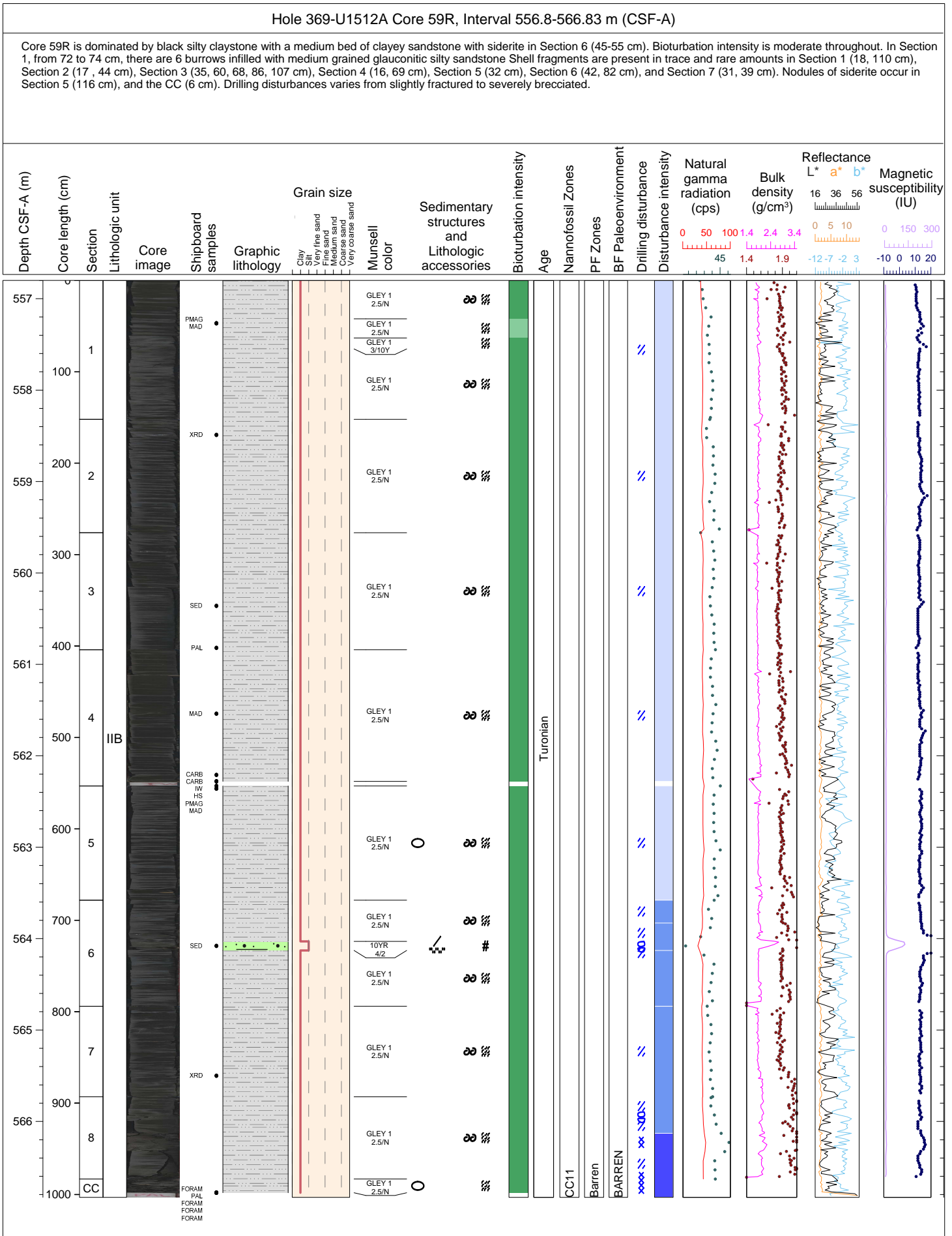
Core 57R is dominated by a black silty claystone with a medium bed of sandy siltstone in Section 1 (127-140 cm) that contains siderite and two thin beds of sideritic silty sandstone in Section 8 (16-24 cm and 39-48 cm) that are banded. The core exhibits moderate levels of bioturbation. There is a horizontal burrow infilled with fine grained glauconitic sand in Section 1 (52 cm). Shell fragments are present in rare amounts in Section 1 (100 cm), Section 3 (72, 98, 100 cm), Section 4 (39, 76 cm), Section 5 (12, 73 cm) and Section 7 (56 cm). There is disseminated pyrite in Section 6 (20-60 cm) and pyrite nodules are present in Section 5 (109 cm) and in Section 6 (54 cm). Siderite nodules are present in Section 5 (16 cm), Section 7 (60 cm), Section 8 (30 cm). The core slightly fractured as a result of drilling disturbances.

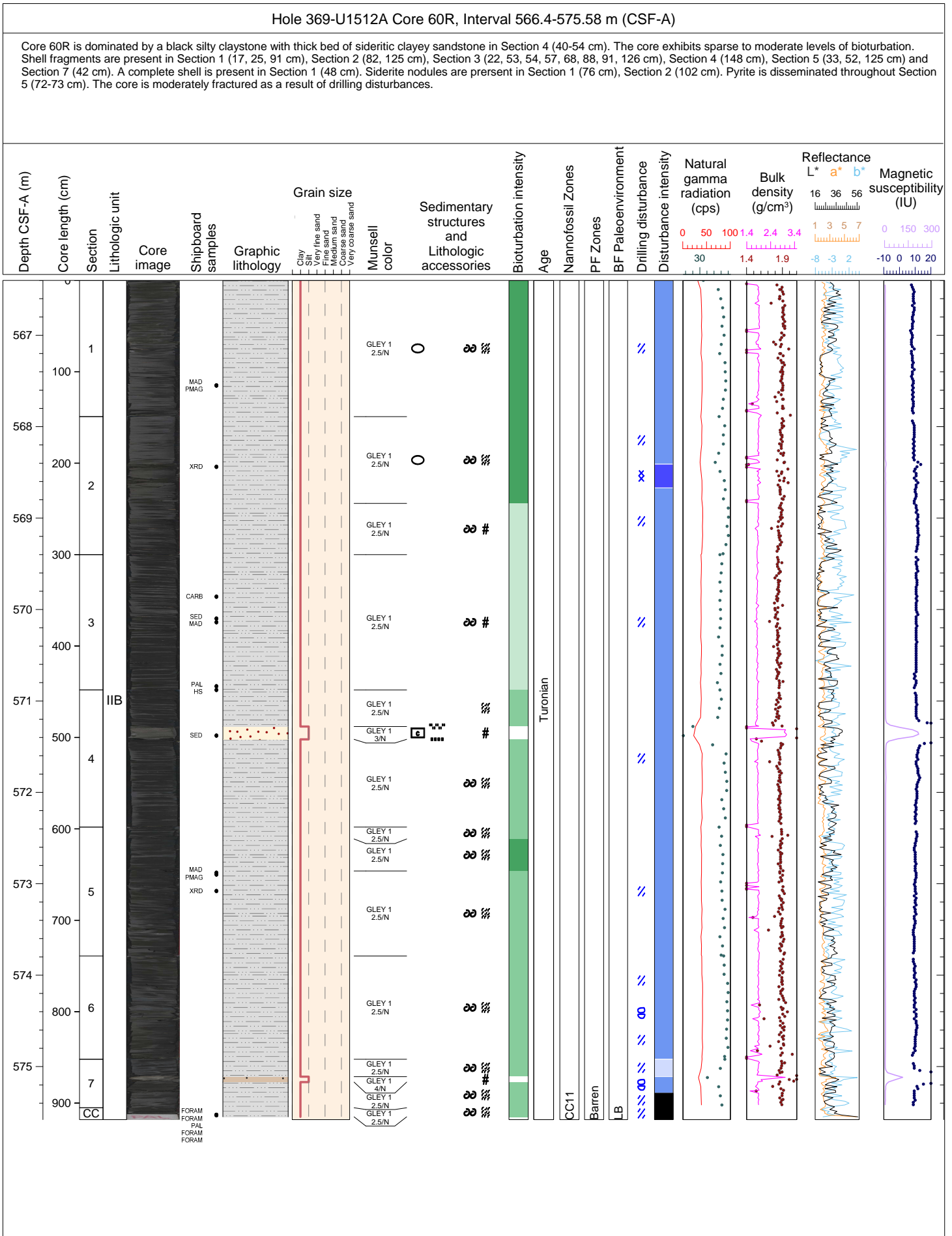


Hole 369-U1512A Core 58R, Interval 547.2-556.12 m (CSF-A)

Core 58R is dominated by a black silty claystone with a medium bed of siderite sandy siltstone in Section 4 (110-122 cm) and thin beds of sandy siltstone with burrows in Section 3 (90-99 cm) and in Section 6 (109-118 cm). The core exhibits moderate levels of bioturbation. A horizontal burrow infilled with fine grained glauconitic sandstone is also present in Section 1 (34-35 cm), Section 3 (93-98 cm), Section 5 (73-75 cm). Nodules of siderite are present in Section 1 (102, 144 cm), Section 2 (27, 94 cm), and Section 4 (94 cm). Shell fragments are present in rare amounts in Section 1 (27 cm), Section 3 (49 cm), Section (84 cm), Section 45 (64 cm), Section 6 (63, 69 cm), and Section 7 (50, 57 cm). The core is moderately bisected and slightly bisected as a result of drilling disturbances.

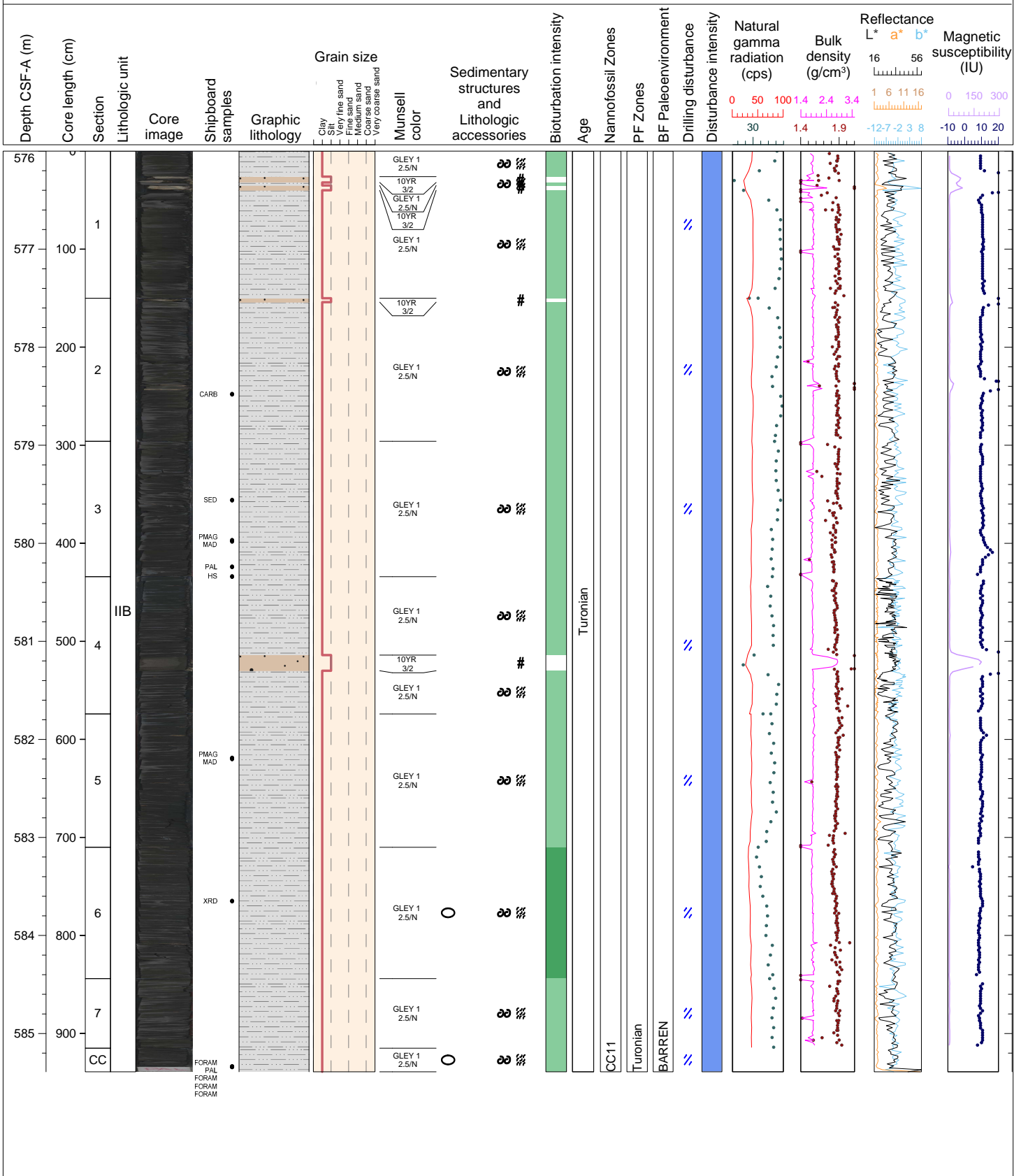


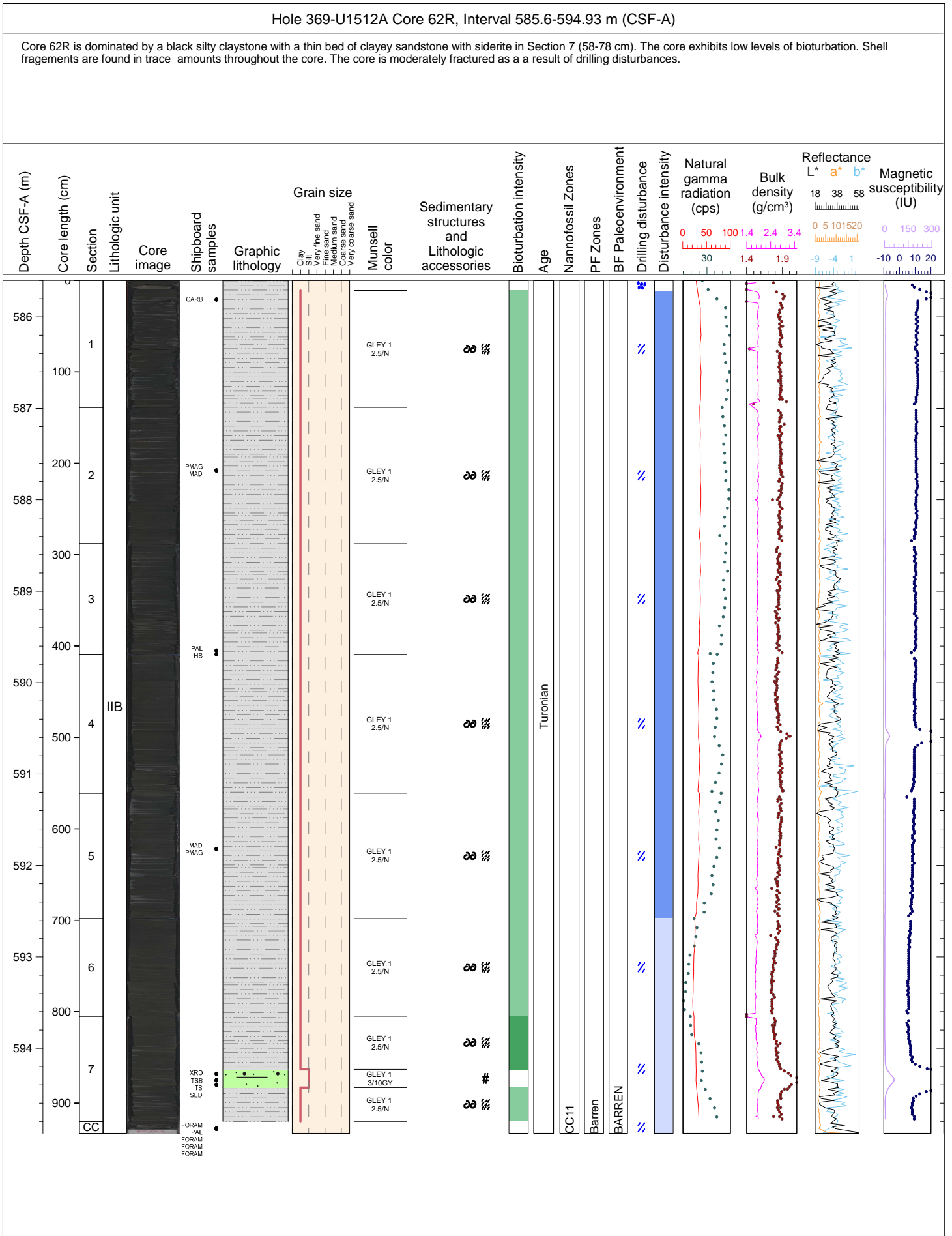


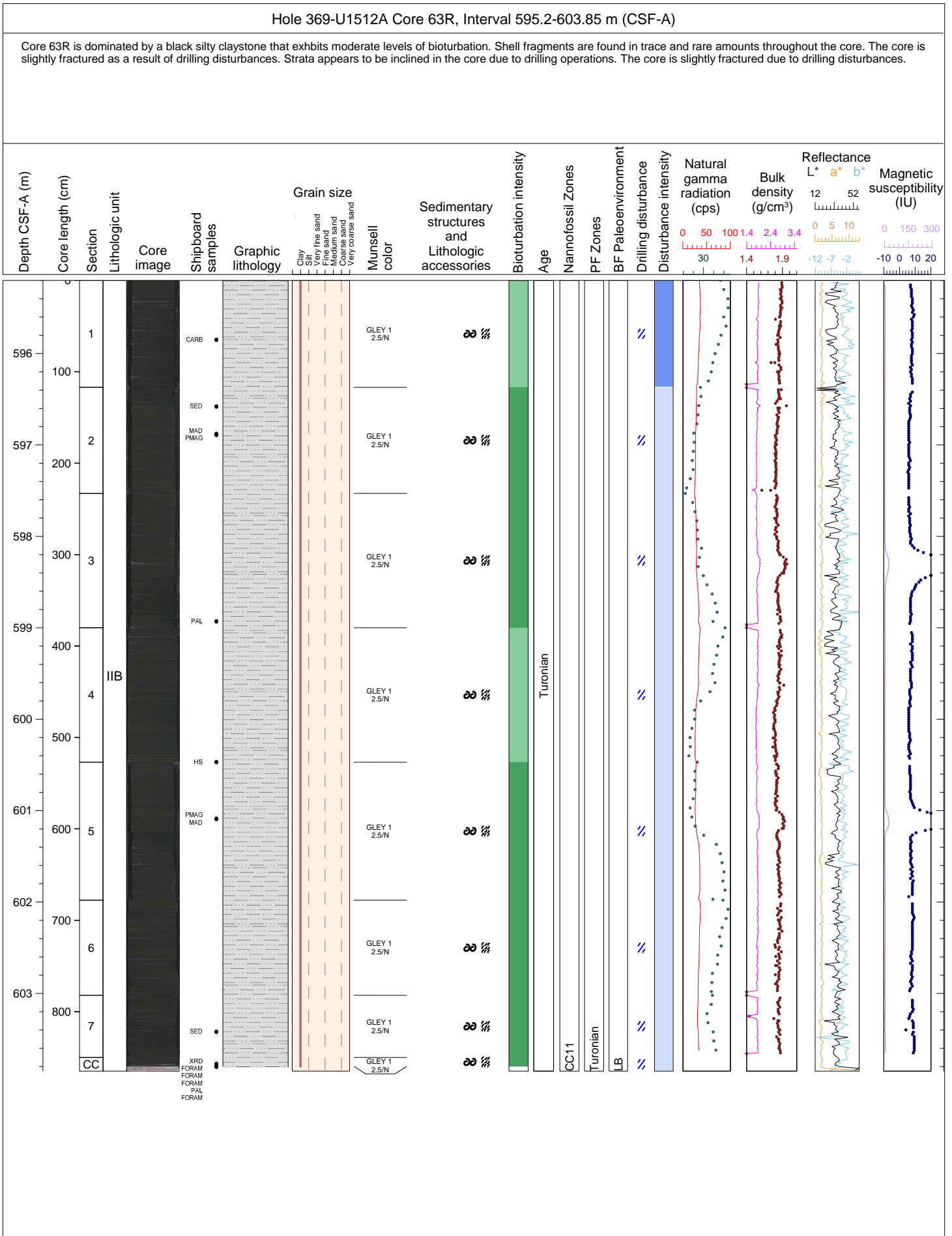


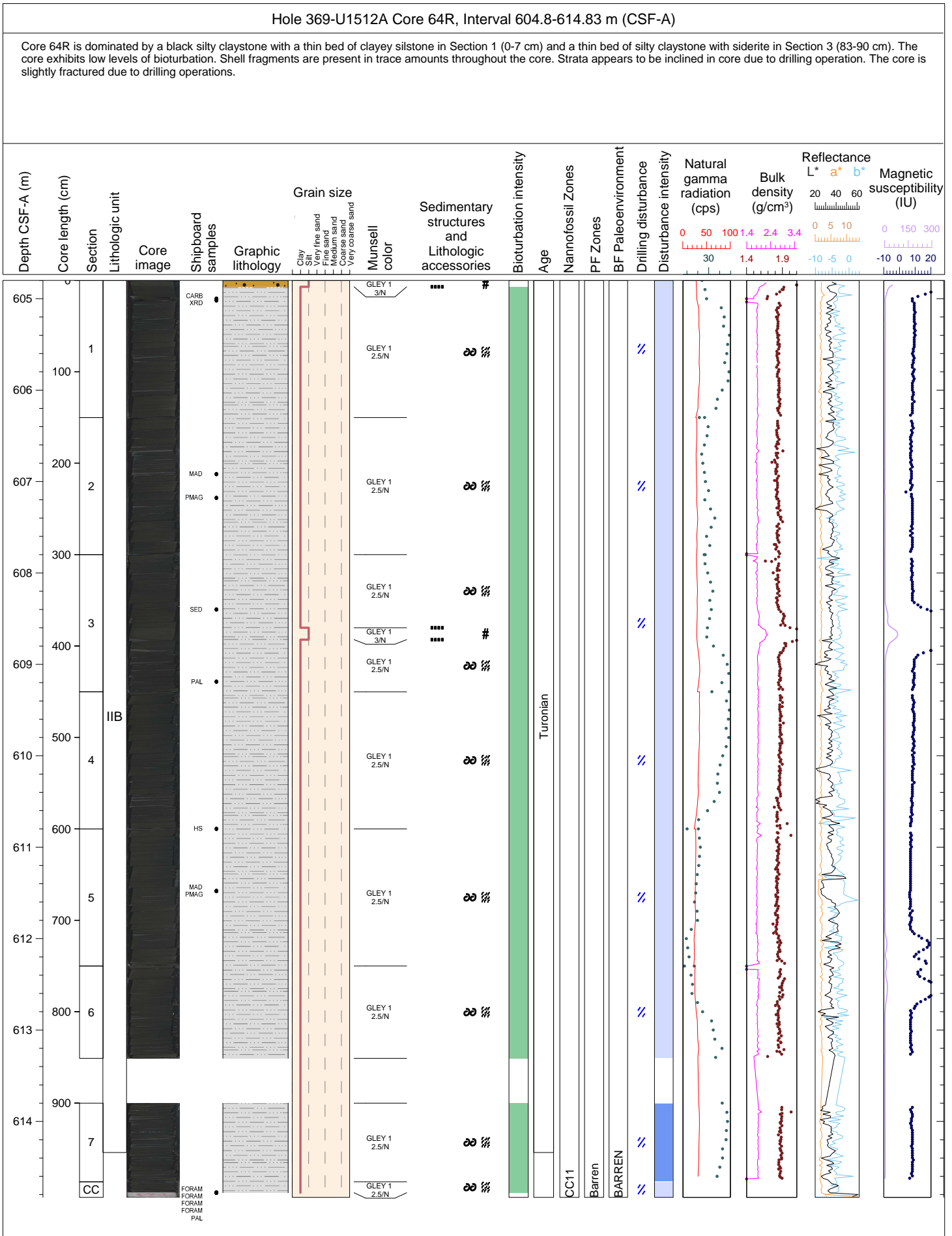
Hole 369-U1512A Core 61R, Interval 576.0-585.39 m (CSF-A)

Core 61R is dominated by a black silty claystone bedded with four thin beds of sandy siltstone in Section 1 (26-32 and 35-40 cm), Section 2 (0-4) and Section 4 (80-96 cm). The core exhibits no or lo levels of bioturbation. Shell fragments are found in rare and trace amounts throughout the core. Siderite nodules are present throughout Sections 1 and 2. Altered pyrite nodules also occur in Section 2 (88 cm) and in the CC (13 cm). The core is moderately fractured as a result of drilling disturbances.





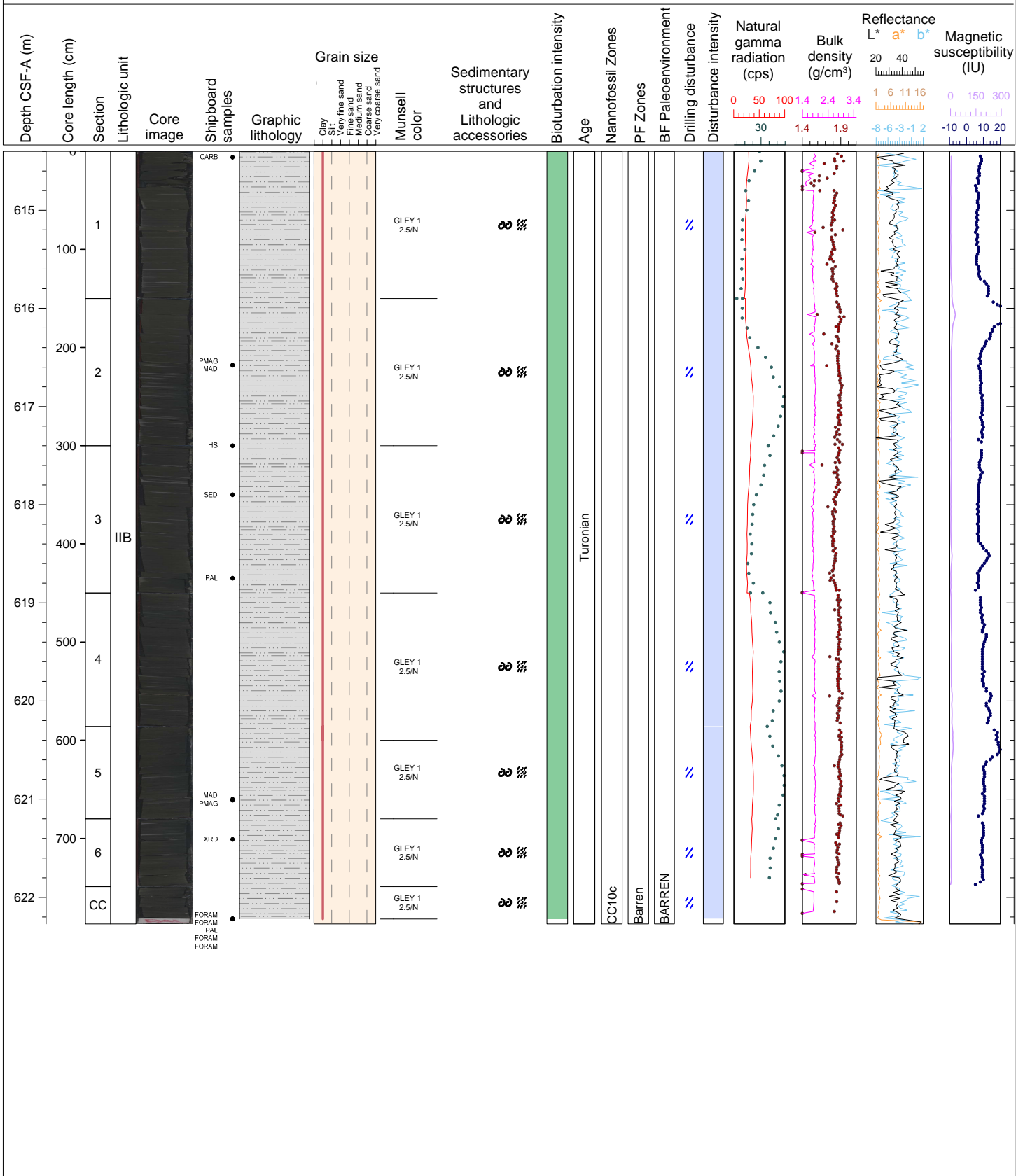


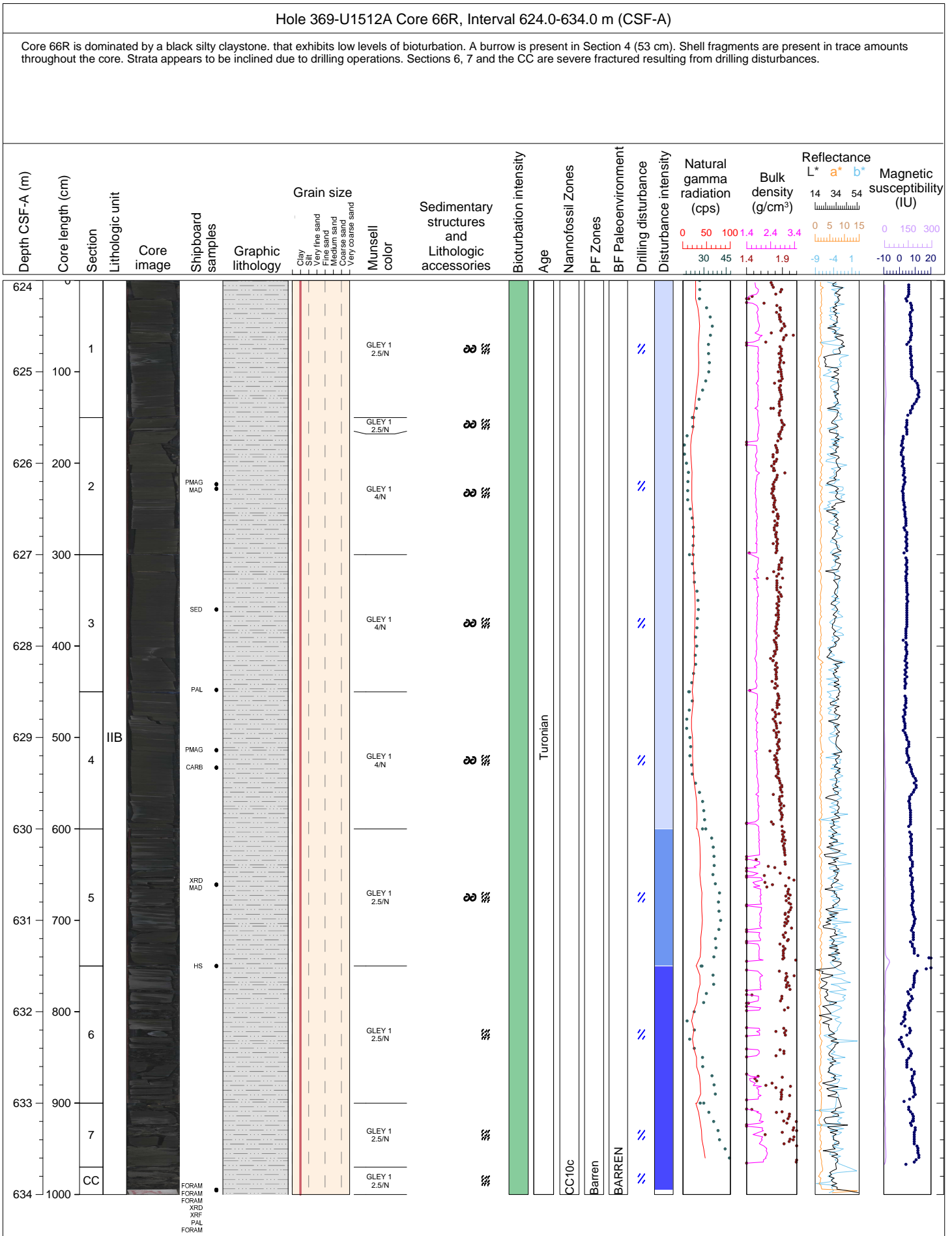




Hole 369-U1512A Core 65R, Interval 614.4-622.27 m (CSF-A)

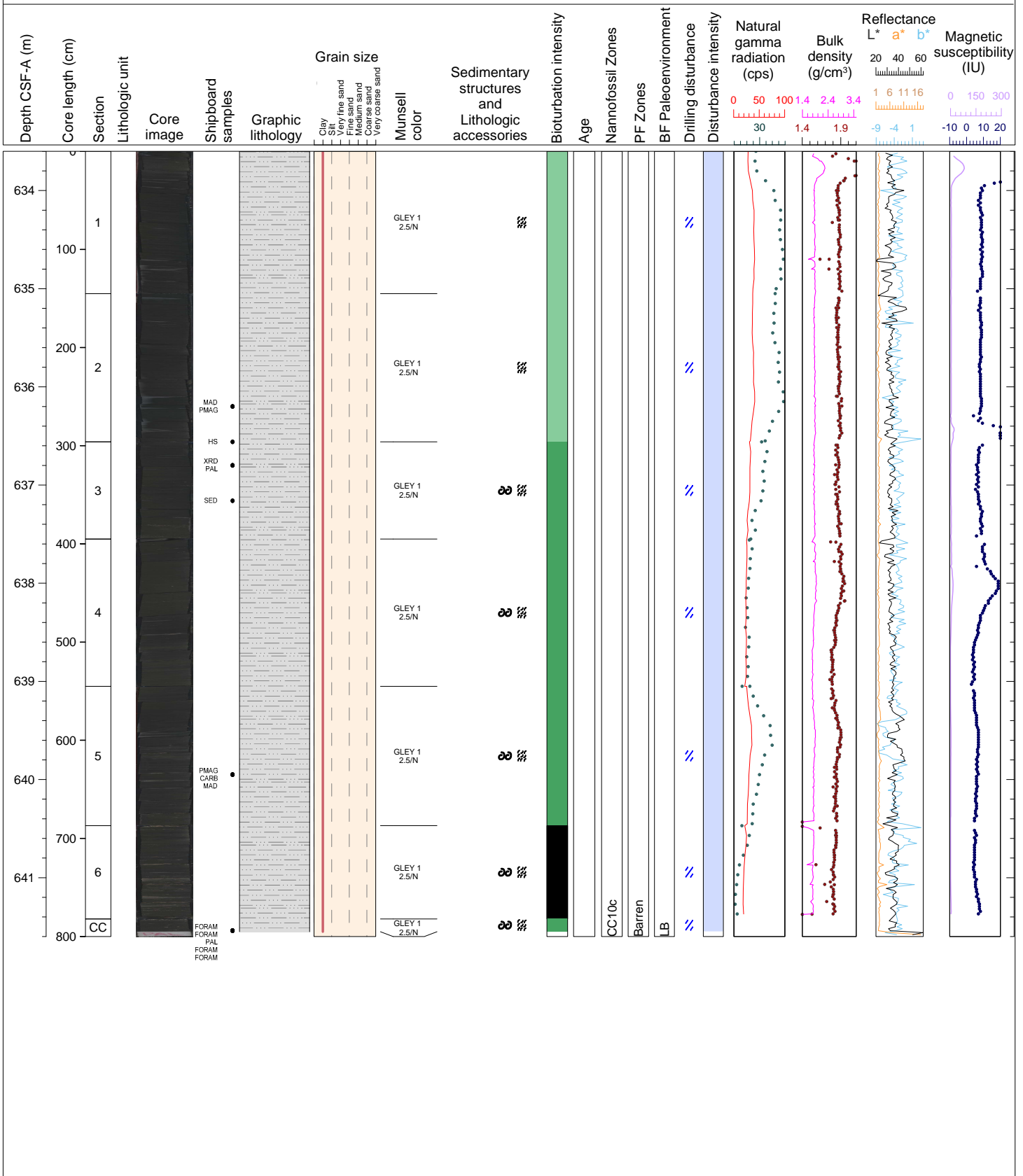
Core 65R is dominated by a black silty claystone that exhibits low levels of bioturbation. Shell fragments are found in trace amounts throughout the core. Pyrite occurs in Section 4 (105 cm). Strata appears to be inclined in core due to drilling operations. The core is also slightly fractured as a result of drilling disturbances.





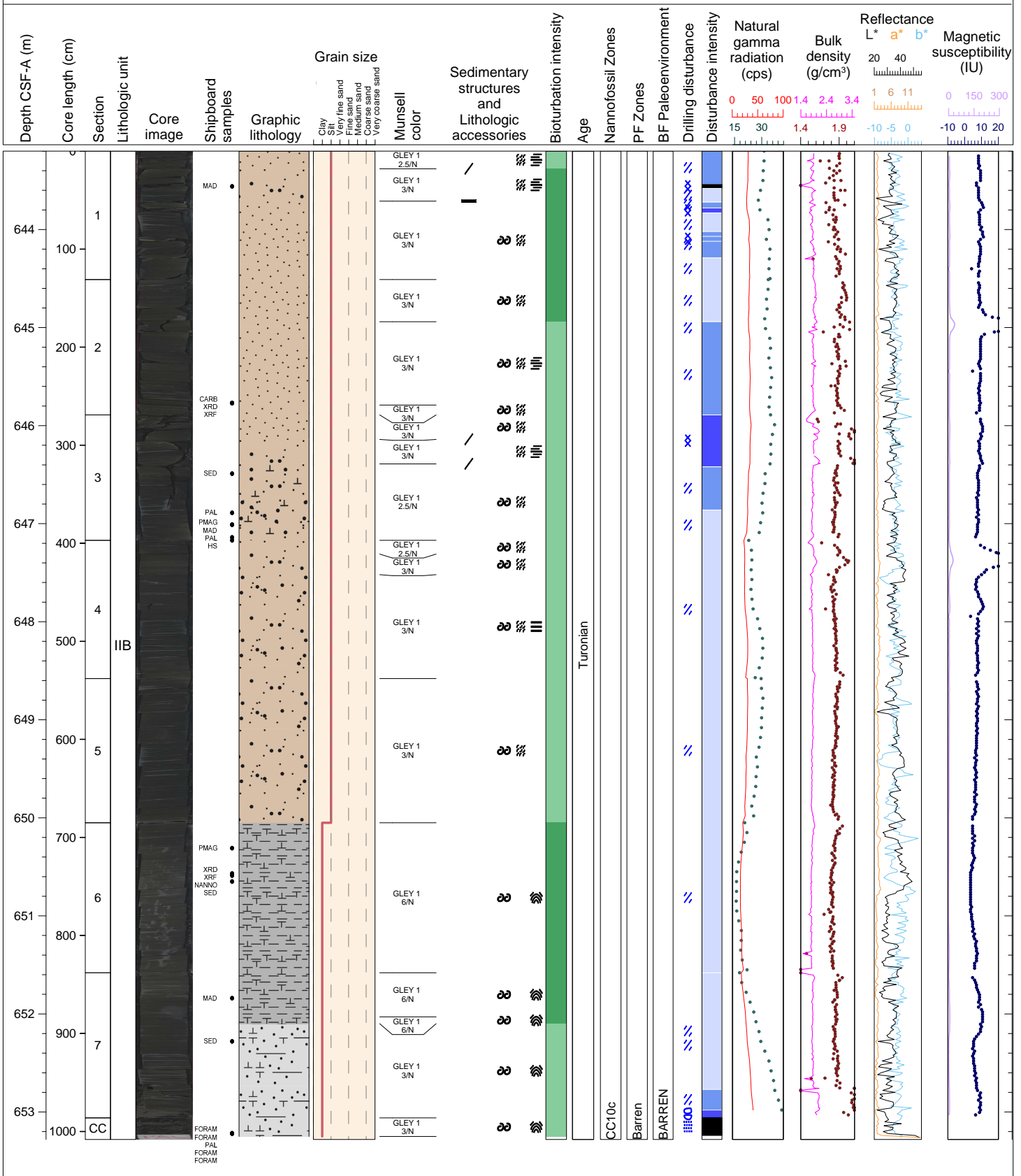
Hole 369-U1512A Core 67R, Interval 633.6-641.6 m (CSF-A)

Core 67R is dominated by a black silty claystone that exhibits low to moderate levels of bioturbation. Shell fragments are present in rare and abundant amounts throughout the core. Strata appears inclined due to drilling operations. The core is slightly fractured due to drilling operations.



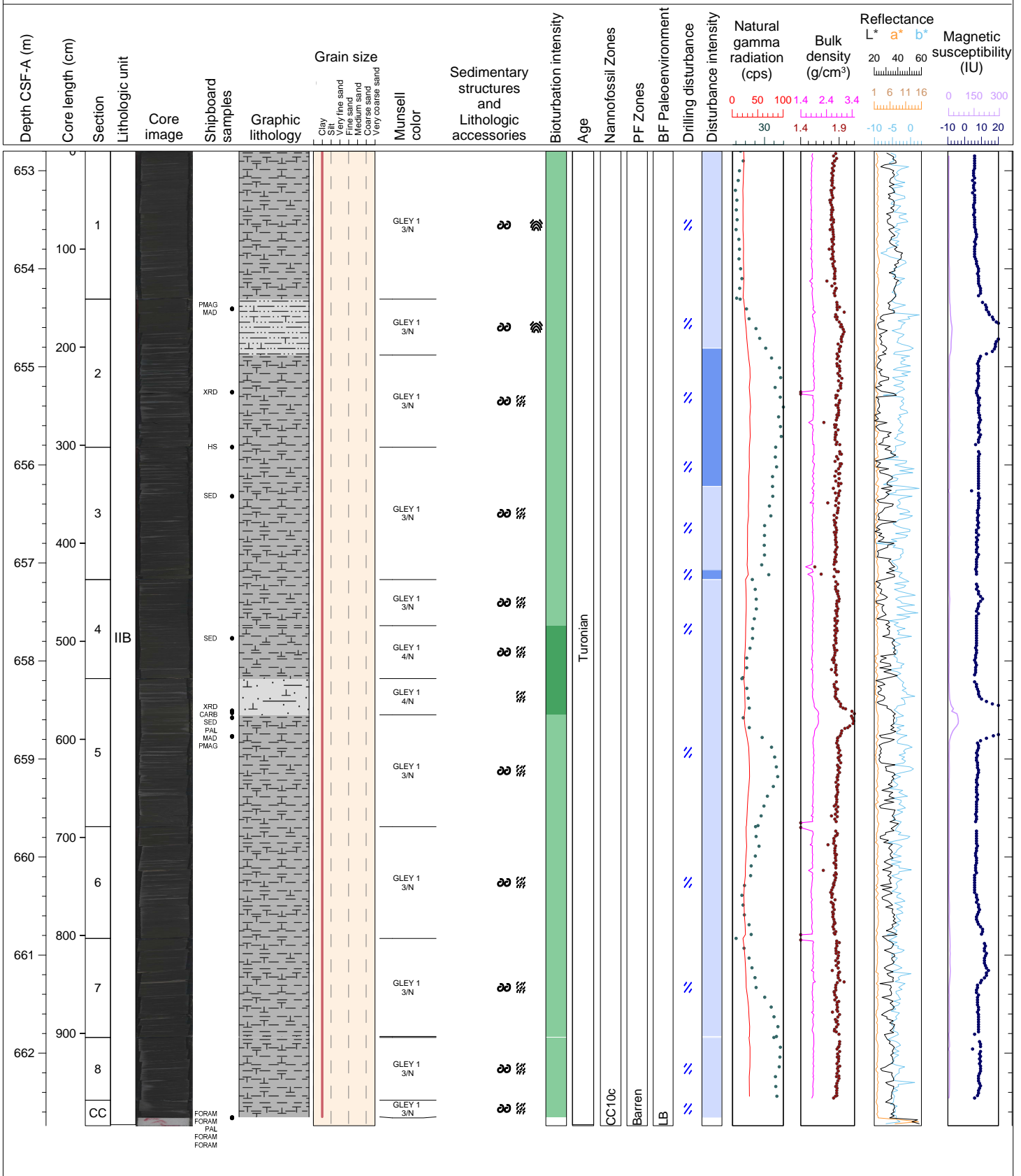
Hole 369-U1512A Core 68R, Interval 643.2-653.28 m (CSF-A)

Core 68R is dominated by a very dark gray siltstone with sandy siltstone medium laminations and interlamaintions - these are most prominent in Section 1. There is a thick bed of nannofossil-rich sandy siltstone in Section 3 (50-128 cm). This lithology then transitions into a very dark gray sandy siltstone by Section 5. From Section 6 to the CC there is a change in lithology to calcareous claystone with non-parallel and parallel laminations. The core exhibits low levels of bioturbation. Shell fragments are present in trace and abundant amounts in Section 1 (53, 74, 87, 92, 118 and 126 cm), Section 2 (27, 35-40, 131, 133, 139 cm), Section 4 (17, 22, 45, 70 cm) and Section 5 (43, 38, 35, 110, 118, 123, 144 cm). Drilling disturbances varies in the core from slightly fractured to severely brecciated.



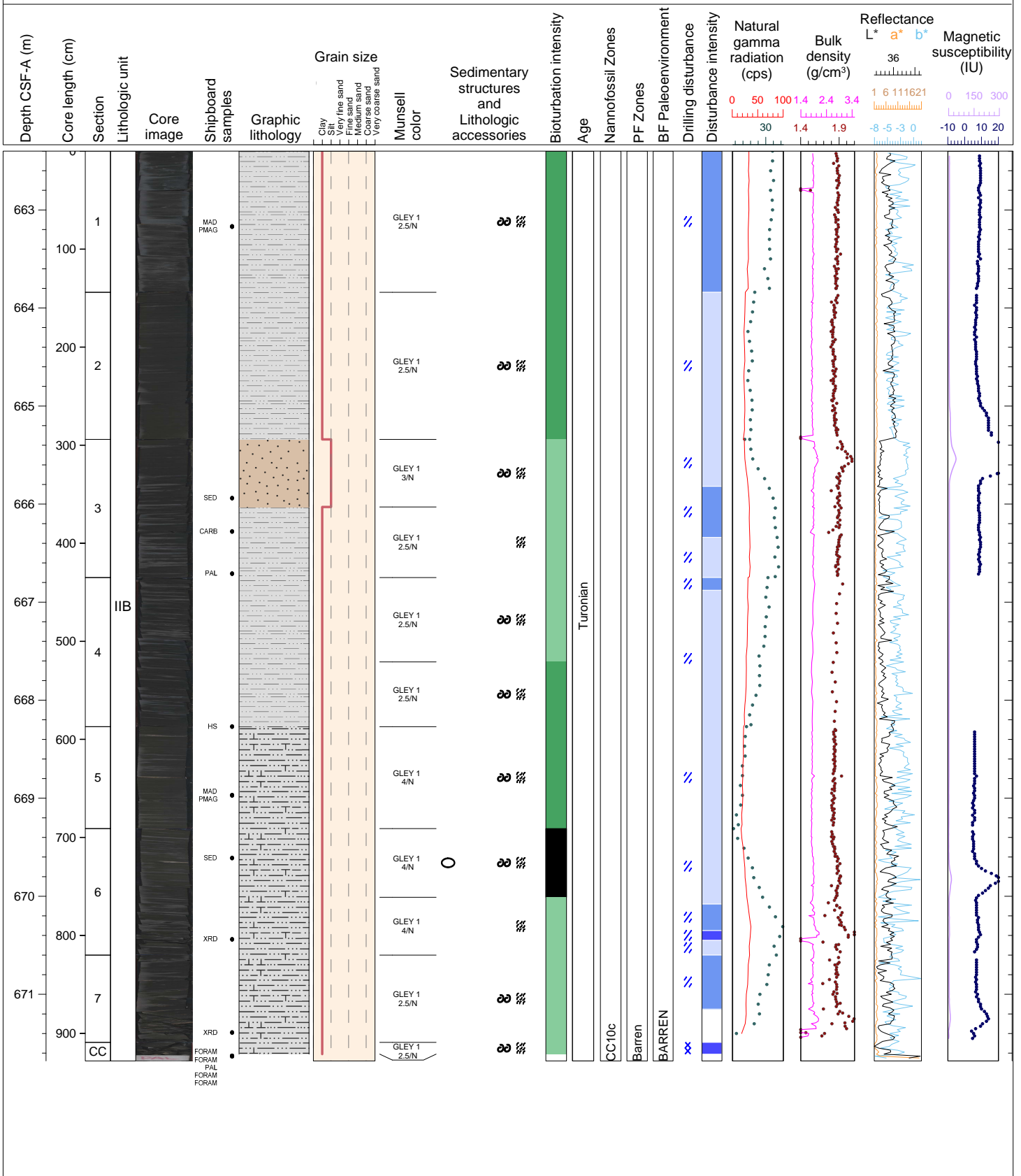
Hole 369-U1512A Core 69R, Interval 652.8-662.74 m (CSF-A)

Core 69R is dominated by a very dark gray calcareous claystone with a thick bed of sandy claystone in Section 5 (0-37 cm). Non-parallel and parallel laminations are evident in Section 1 and Section 2 (57 cm). The core exhibits low and moderate levels of bioturbation throughout the core. Shell fragments are present in rare amounts in Section 1 (8, 10, 13, 34, 48, 102 cm), Section 4 (15, 25, 64, 69, 98 cm), Section 5 (56, 119, 139, 144 cm), Section 7 (33, 92 cm) and Section 8 (11 cm). Complete shells are present in Section 6 (18 and 44 cm). A carbonate nodule enveloping shell fragments is present in Section 7 (42-44 cm). The core is moderately to slightly fractured.



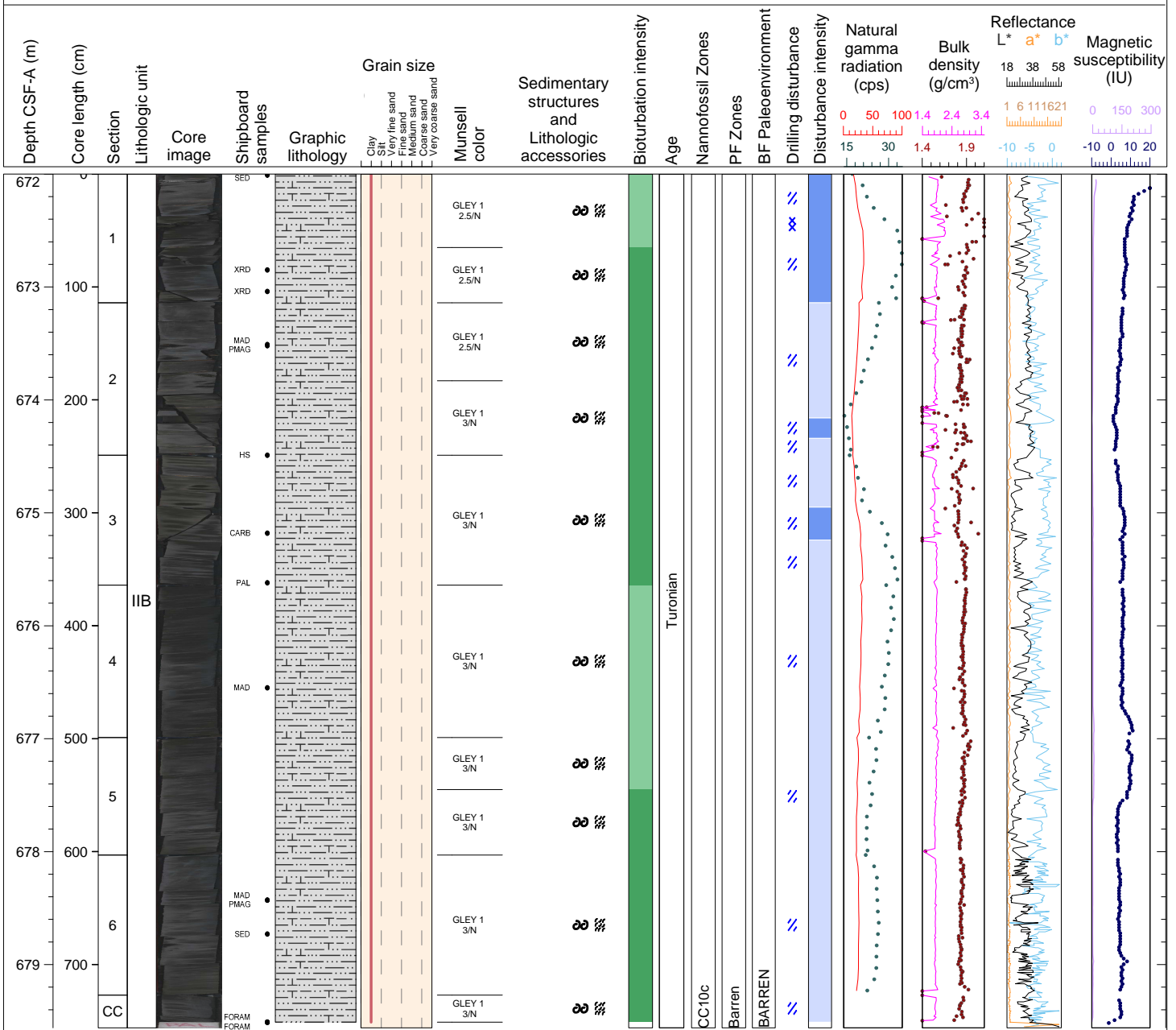
Hole 369-U1512A Core 70R, Interval 662.4-671.68 m (CSF-A)

Core 70R is dominated by black silty claystone and a dark gray calcareous silty claystone. The core exhibits low to high levels bioturbation. Shell fragments are present in Section 1 (25, 28, 73, 106, 107, 109 cm), Section 2 (16 cm), Section 5 (11, 52 cm), Section 6 (33-34 within a nodule), and Section 7 (6 cm, 22-26 cm, 35-80 cm). A complete shell is present in Section 5 (52 cm). The core is slightly to moderately fractured due to drilling disturbances.



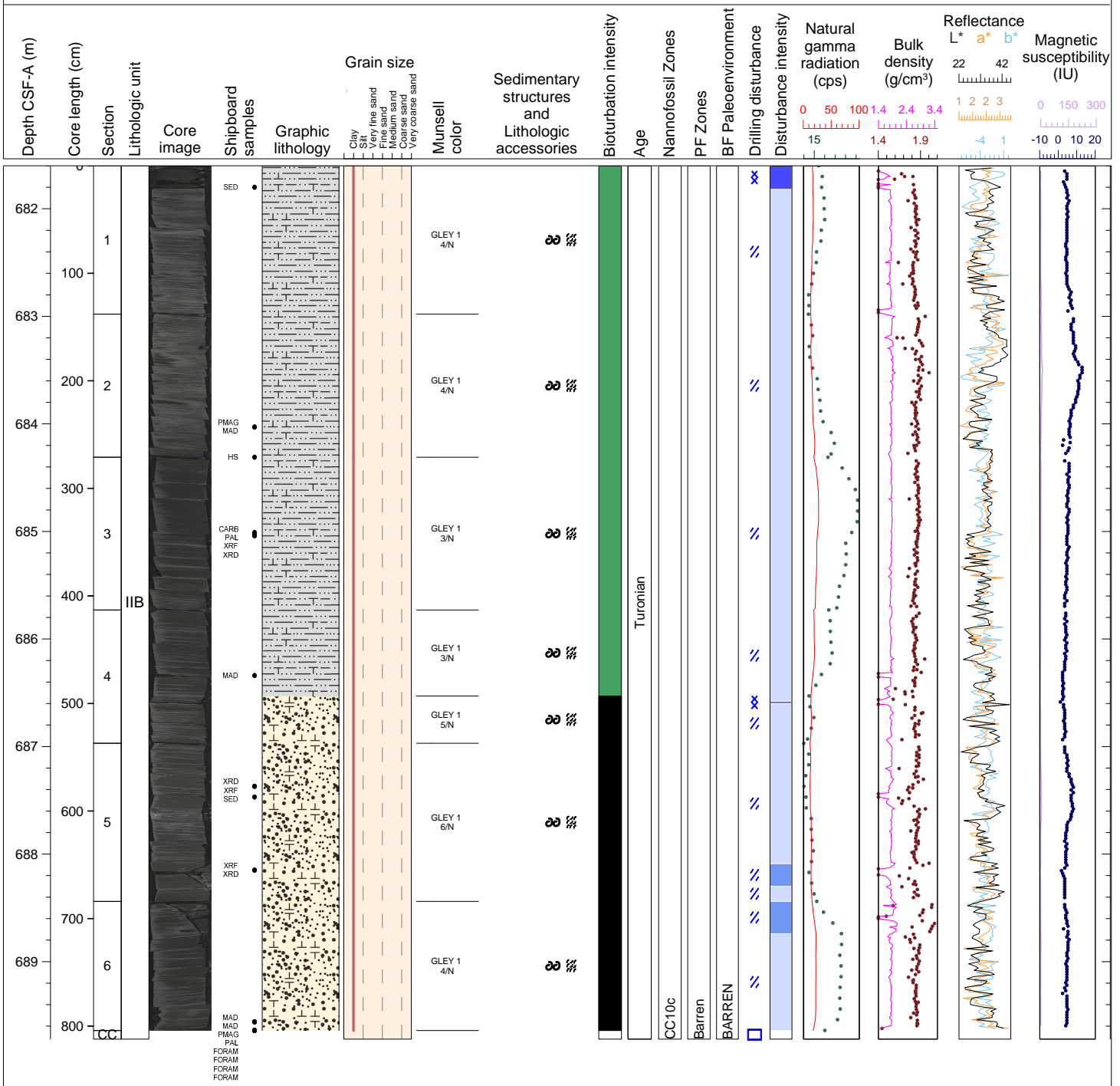
Hole 369-U1512A Core 71R, Interval 672.0-679.56 m (CSF-A)

Core 71R is dominated by a very dark grey calcareous silty claystone. The core exhibits Bioturbation intensity is low to moderate throughout the core. Complete shells are present in Section 1 (24.29, 65 cm), Section 2 (48, 54, 94 cm) and Section 3 (19 cm). Shell fragments are also present in rare amounts in Section 1 (6, 33, 42, 104 cm), Section 2 (47-48, 64, 79, 106, 127 cm), Section 3 (9, 46, 56, 103 cm), Section 5 (48 cm), Section 6 (44 cm), and in the CC (4 cm). The core is slightly to moderately fractured due to drilling disturbances.



Hole 369-U1512A Core 72R, Interval 681.6-689.72 m (CSF-A)

Core 72R is dominated by a very dark grey calcareous silty claystone and transitions into a calcareous silty sandstone in Section 4. Bioturbation intensity is moderate throughout the core. Shell fragments are present in Section 1 (56, 65 cm), Section 2 (53, 87, 102, 124, 127, 130 cm), Section 3 (40, 75, 77, 112-113 cm), Section 4 (49, 54, 62-63, 88, 96, 100, 102, 112 cm), Section 5 (5, 24, 136 cm) and Section 6 (84-86, 98-99, 115-116 cm). The core exhibits slight to severe fracturing due to drilling disturbances.





Hole 369-U1512A Core 73R, Interval 691.2-701.38 m (CSF-A)

Core 73R is dominated by a very dark grey calcareous silty claystone that exhibits moderate levels of bioturbation. Shell fragment are present in trace and rare amounts throughout the core. Strata appears to be inclined in the core due to drilling operations. The core is slightly to severely fractured due to drilling disturbances.

