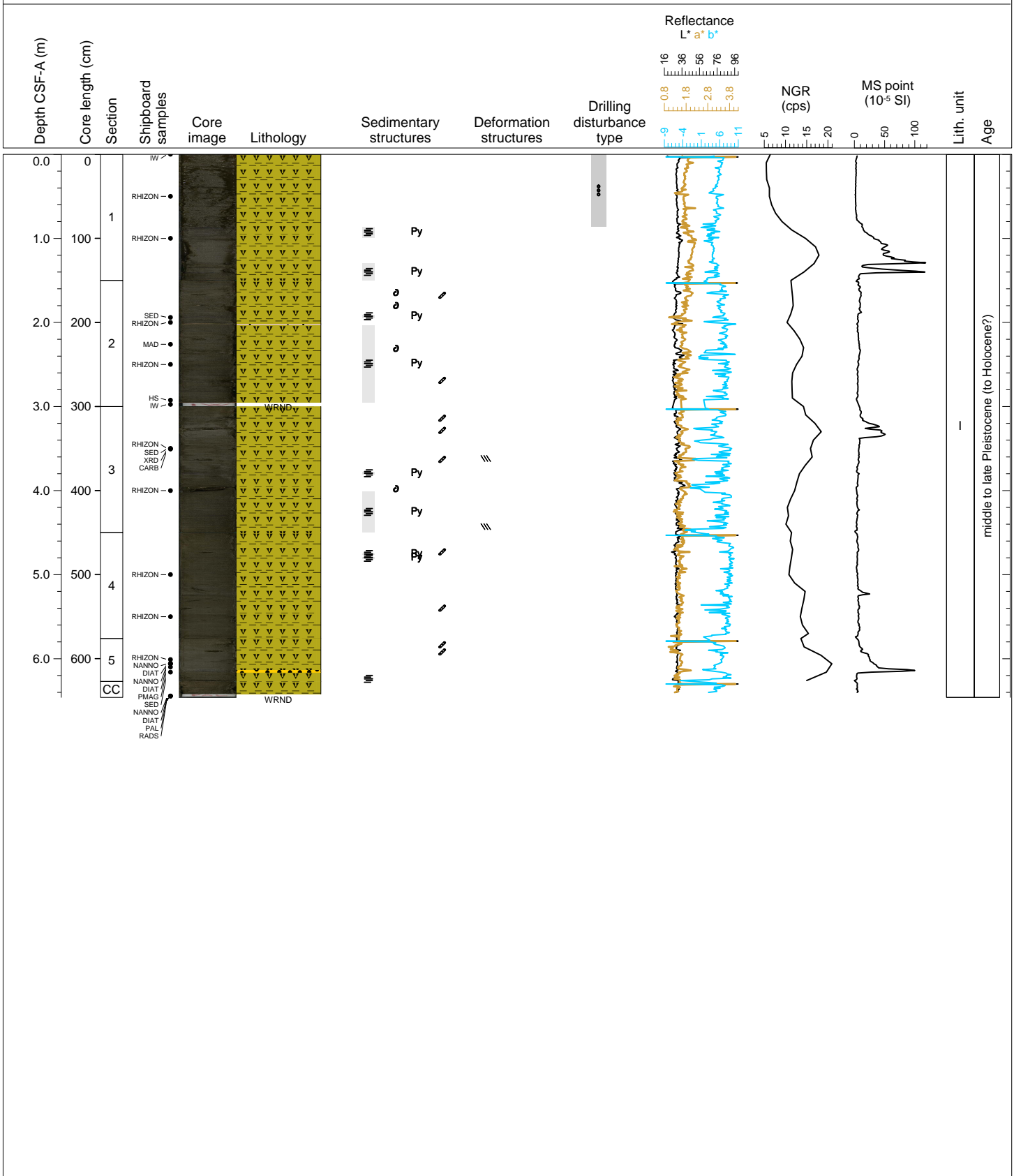


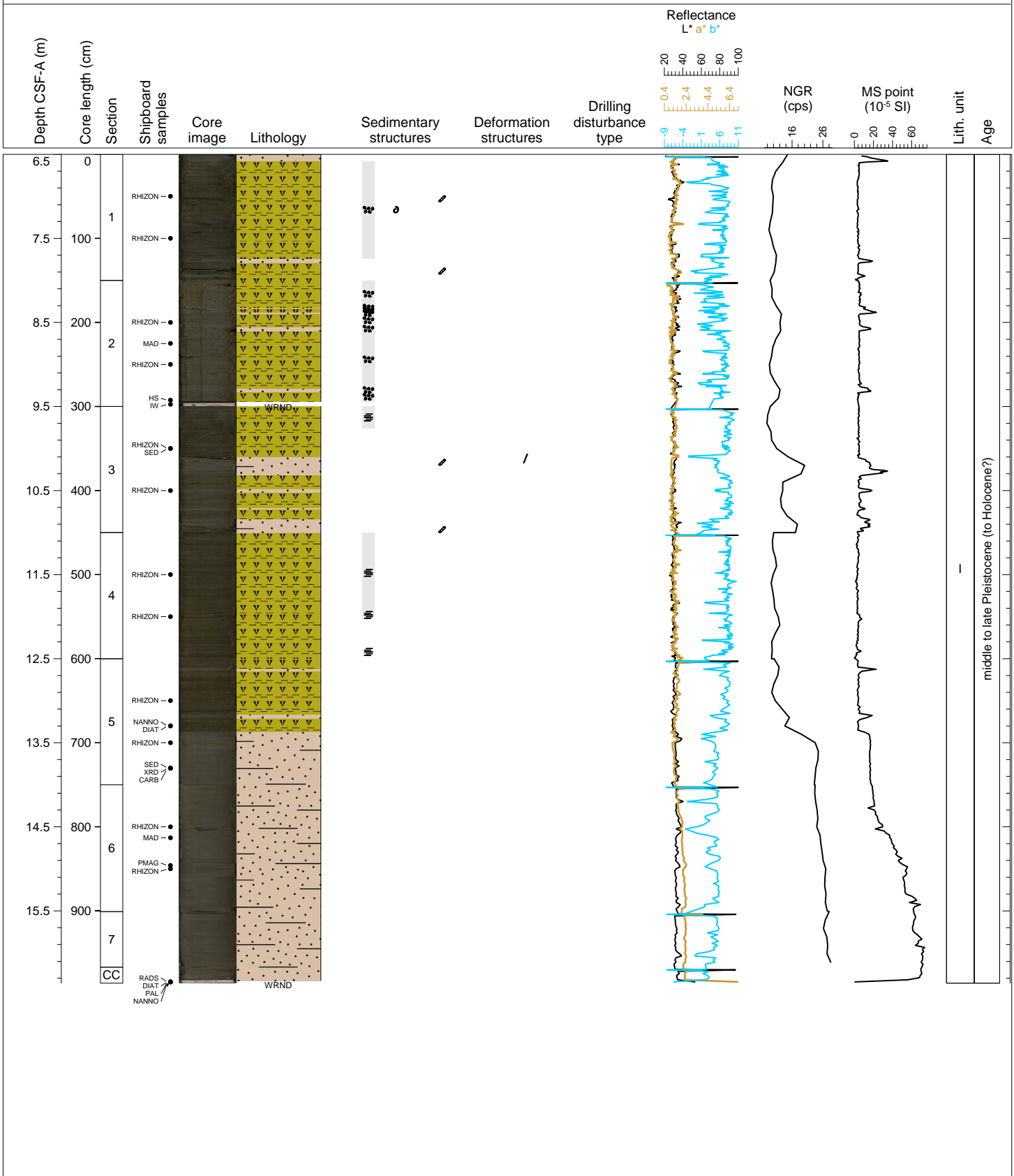
Hole 385-U1549A Core 1H, Interval 0.0-6.46 m (CSF-A)

This core consists of mainly homogeneous moderate olive brown (5Y 4/4) NANNO-RICH DIATOM CLAY. Black laminae and patches composed of sulfide precipitates are present in sections 1 (86-99 cm, 130-150 cm), 2 (41-44.5 cm, 53-145 cm), 3 (78-81 cm, 101-150 cm) and 4 (25-26 cm, 29-31 cm). A light olive gray (5Y 5/2) layer of DIATOM-RICH CLAYEY SILT is present at 51.5-53 cm in section 2. A black (N3) SAND layer is present at 37-40 cm in section 5. Shell fragments occur in sections 2 and 3. Open burrows are present in sections 2, 3, 4 and 5. The top 86 cm of section 1 are highly disturbed by drilling.



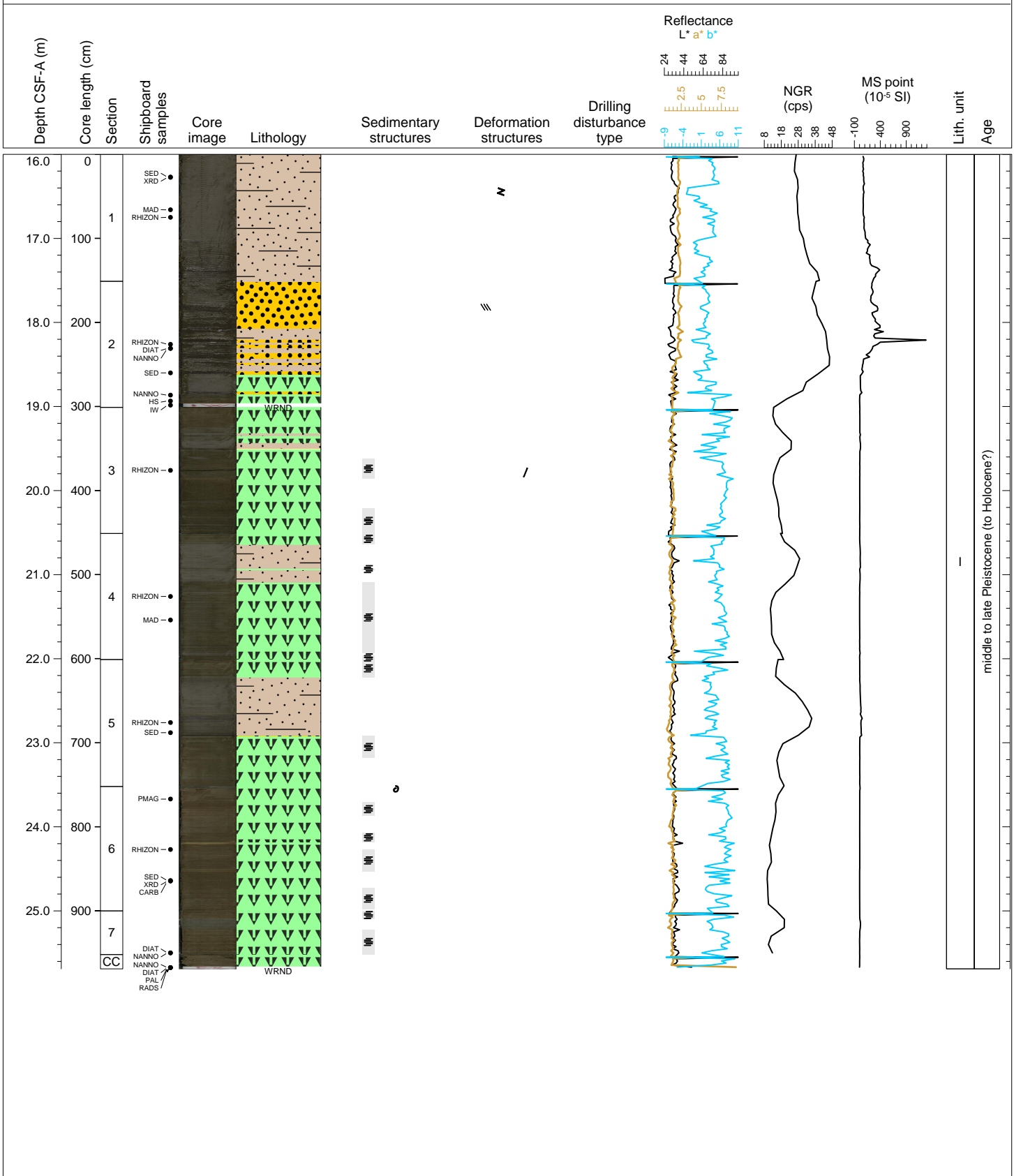
Hole 385-U1549A Core 2H, Interval 6.5-16.36 m (CSF-A)

This core is mainly composed of an alternation between olive gray (5Y 3/2) NANNO-RICH DIATOM CLAY and light olive gray (5Y 5/2) DIATOM-RICH CLAYEY SILT. Fine lamination is present throughout section 2. A shell fragment occurs in section 1. Open burrows are present in sections 1 and 3. Sediments from sections 1 and 2 are highly disturbed by drilling.



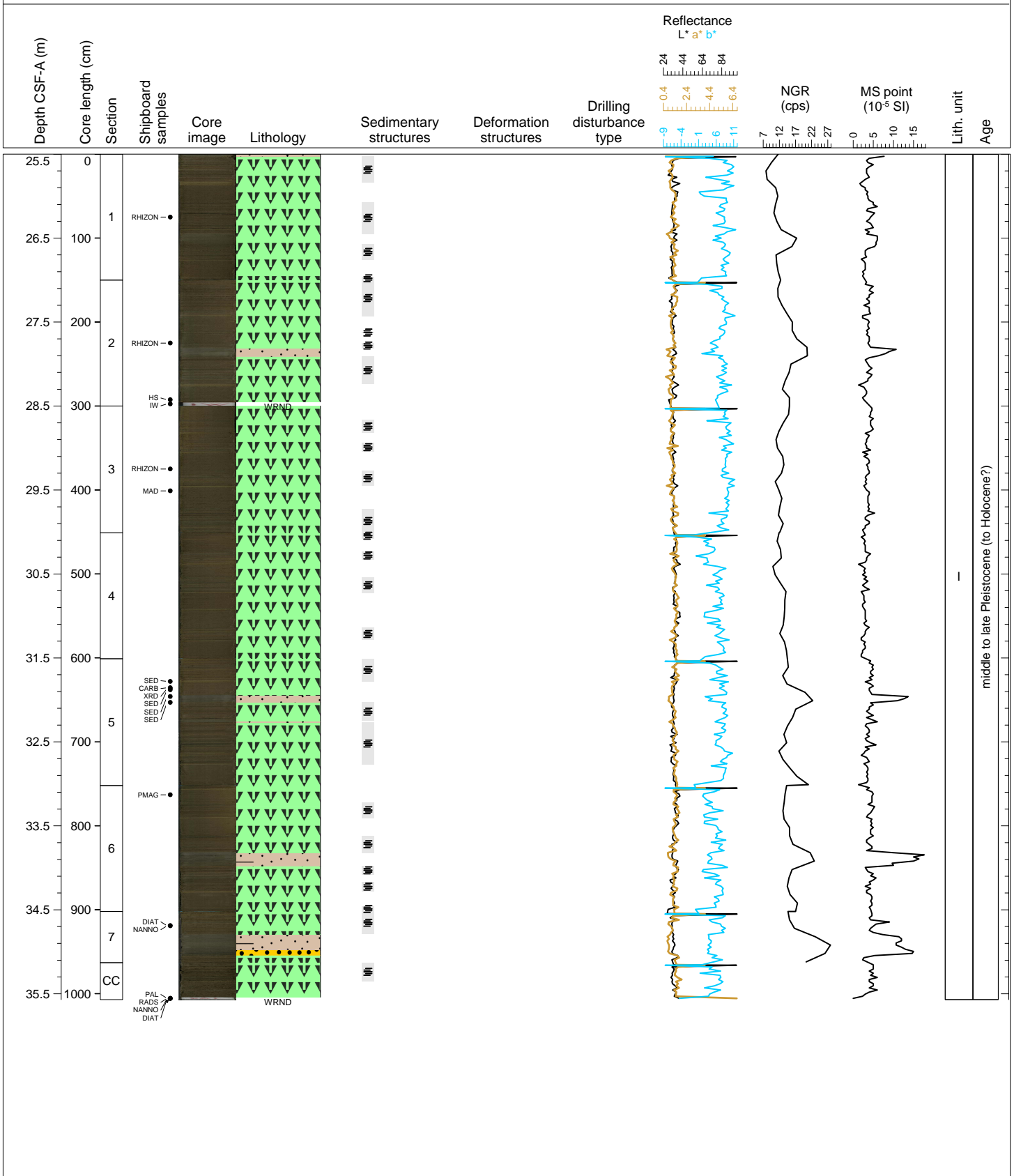
Hole 385-U1549A Core 3H, Interval 16.0-25.69 m (CSF-A)

This core consists of partially laminated olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE intercalated with grayer layers of DIATOM-RICH CLAYEY SILT. Several thin and two thick gray layers are present. A coarse SAND layer in section 2 at 107-111 cm with a sharp basal contact transitions upward into laminated fine SAND to SILT at the base of section 1, then transitioning to DIATOM-RICH CLAYEY SILT at the top of section 1, forming a single depositional unit that passes up into Core 2H to section 5 (86 cm). Another medium gray (N5) SAND layer is present in section 5 at 90-91 cm overlain by fine sand and silt laminae intercalated with DIATOM-RICH CLAYEY SILT, forming a thinner depositional unit from 21 to 91 cm. A shell is present in section 6 at 5 cm.



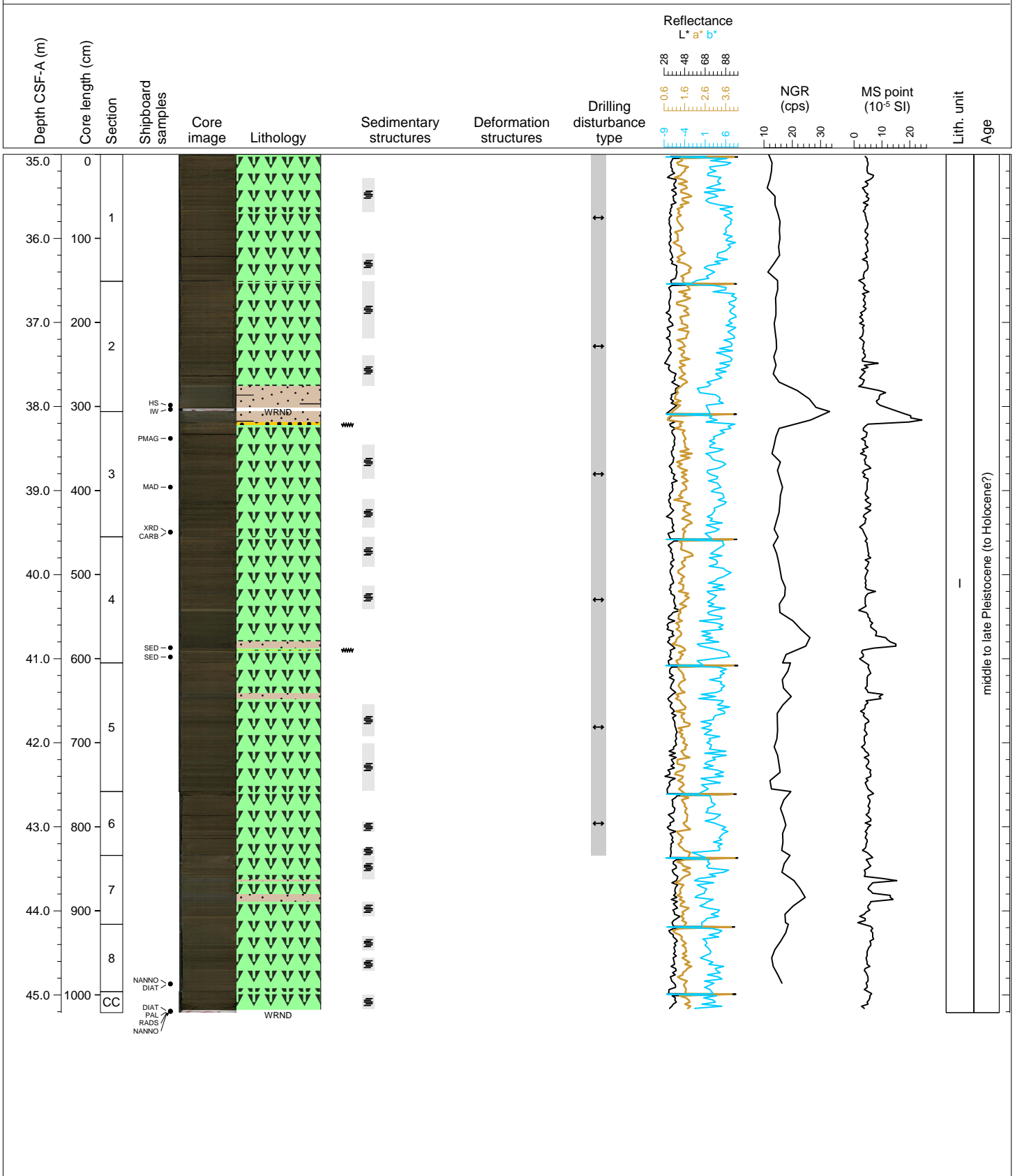
Hole 385-U1549A Core 4H, Interval 25.5-35.57 m (CSF-A)

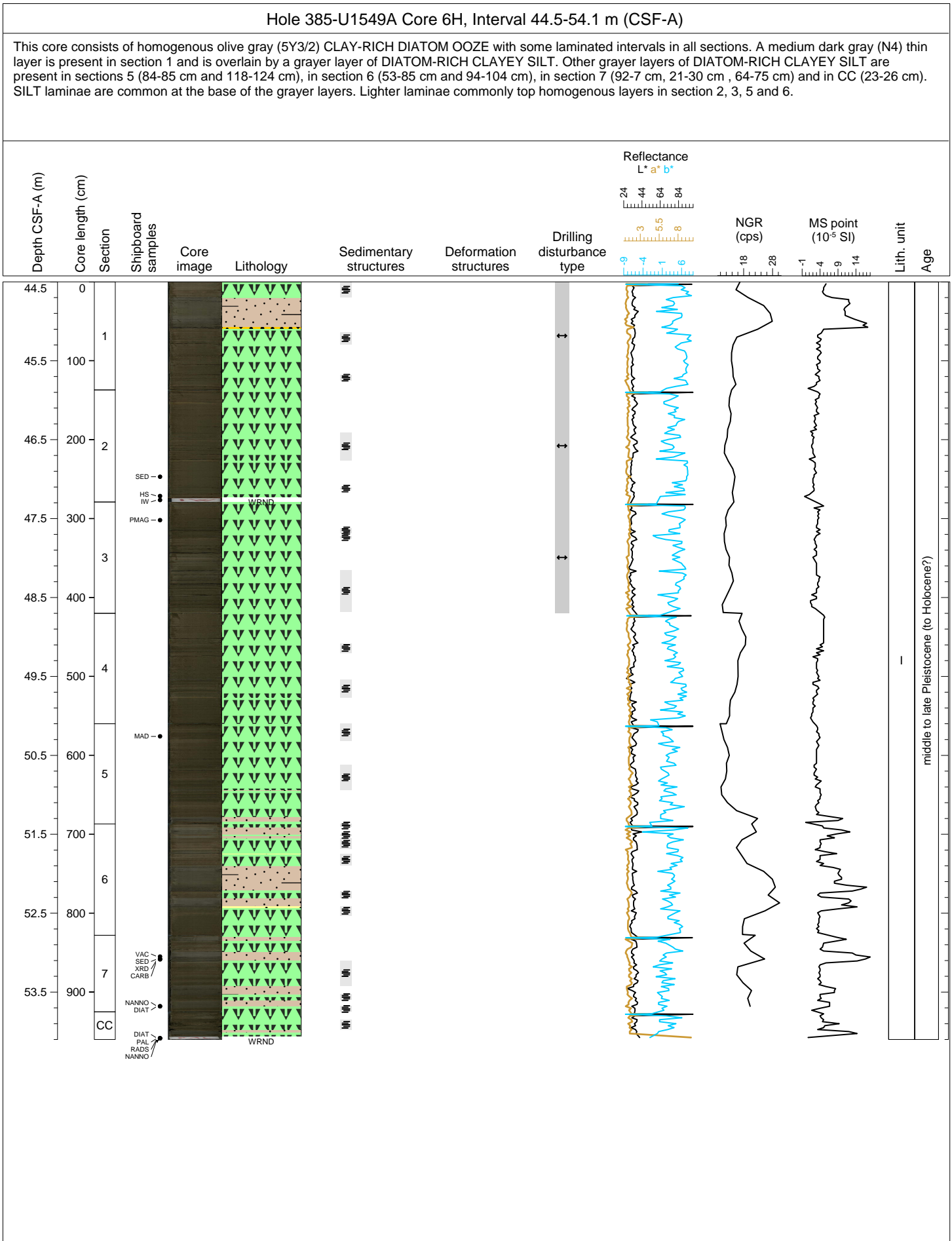
This core consists of laminated olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE alternating with homogenous intervals. Most homogenous intervals are capped by an lighter layer of DIATOM OOZE. Grayer (5Y 4/1) intervals of DIATOM-RICH CLAYEY SILT are present in section 2 at 81-92 cm, in section 5 at 44-52 cm and at 74-76 cm, and in section 7 at 27-46 cm; the latter is overlain by two medium gray thin SILT layers.



Hole 385-U1549A Core 5H, Interval 35.0-45.21 m (CSF-A)

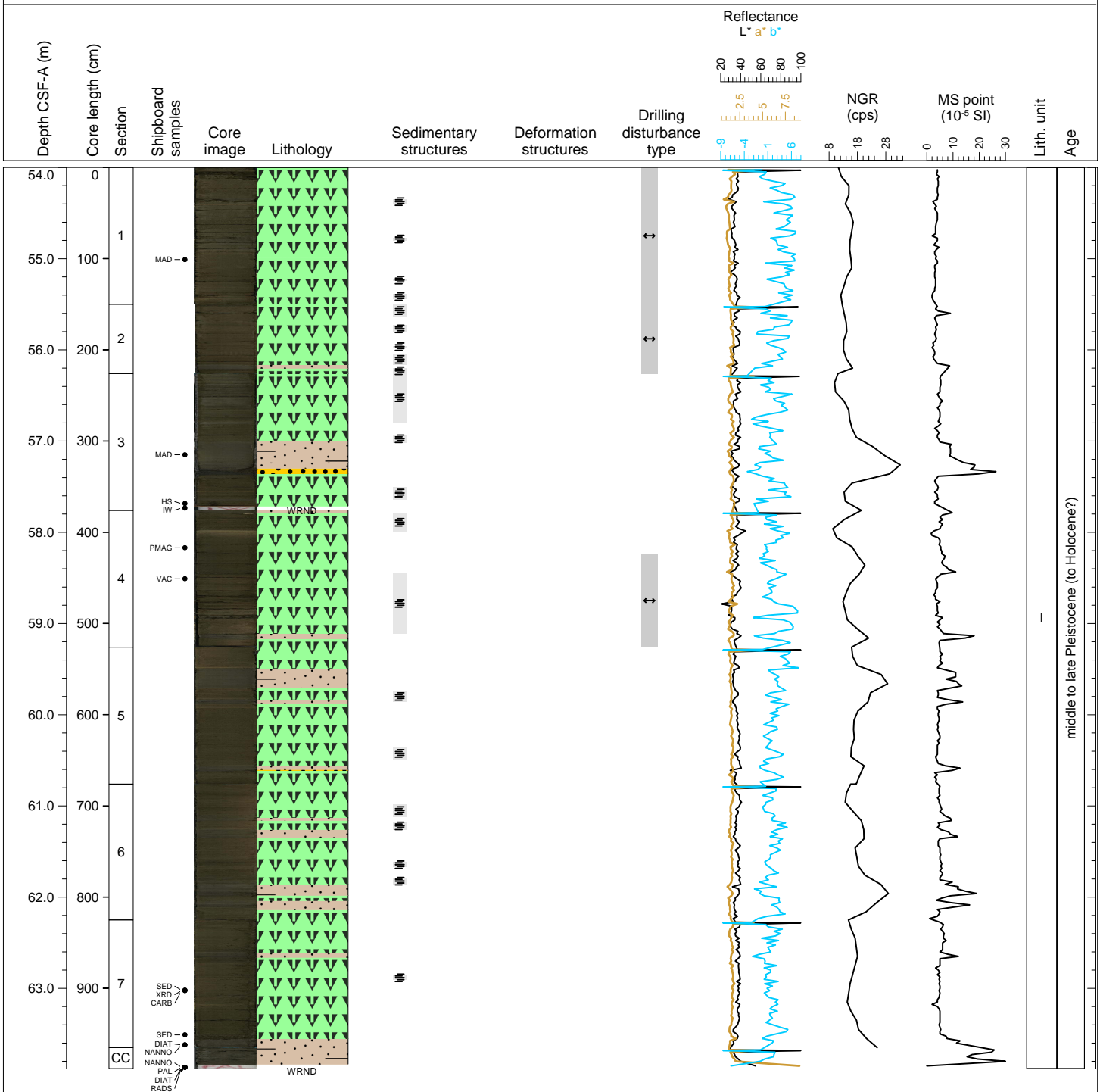
This core consists of laminated olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE alternating with homogenous intervals. Most homogenous intervals are capped by a lighter layer of DIATOM OOZE. Grayer (5Y 4/1) intervals of DIATOM-RICH CLAYEY SILT are present in sections 5 and 7. A SAND layer with scoured basal contact at 16 cm in section 3 is overlain by laminated SILT passing up into a gray homogenous sediment in section 2. A similar gray depositional unit starts with SILT above a scoured base in section 4 at 134 cm passing up section into laminated SILT and CLAY-RICH DIATOM OOZE until 86 cm.





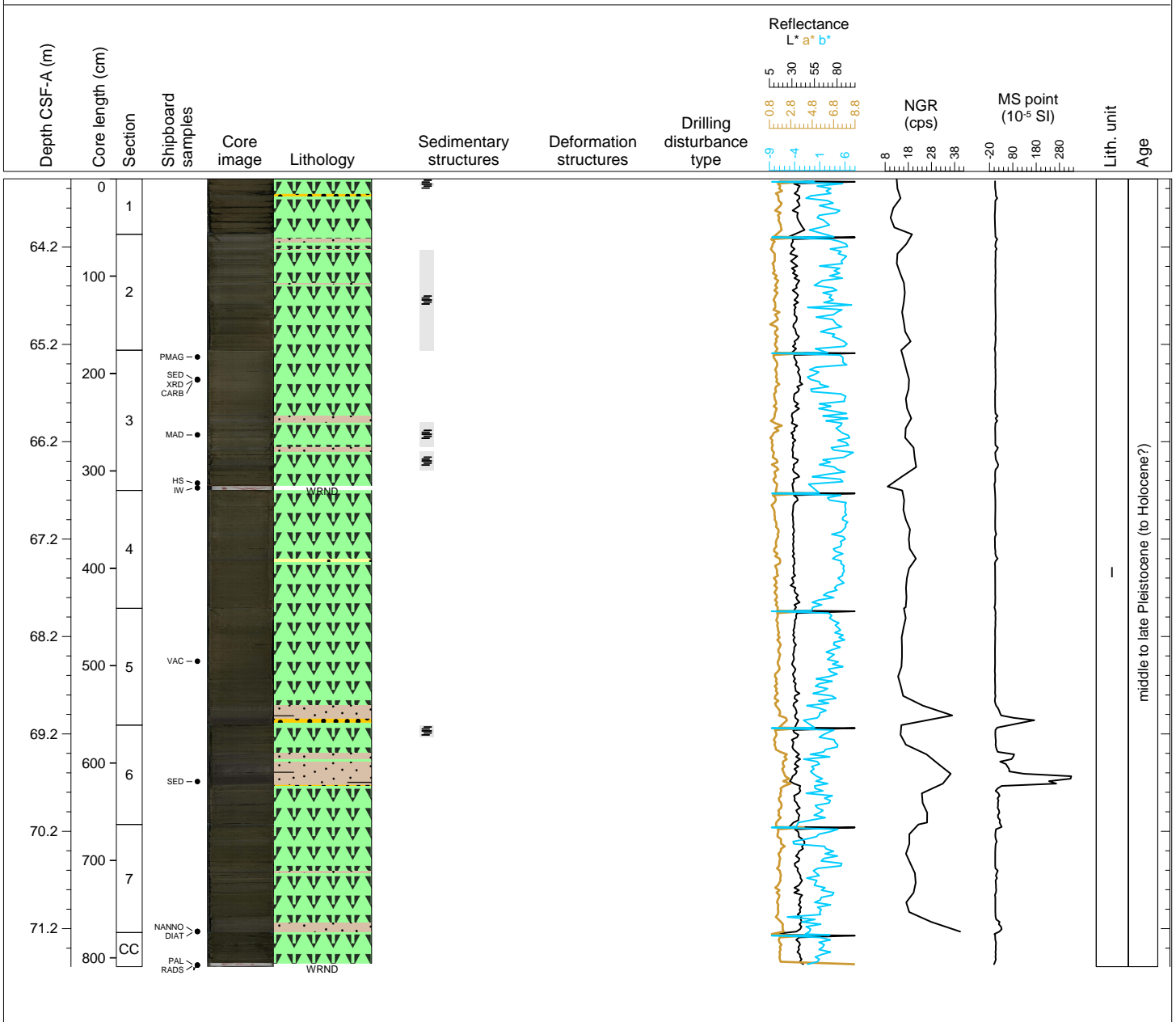
Hole 385-U1549A Core 7H, Interval 54.0-63.88 m (CSF-A)

This core mainly consists of homogenous olive gray (5Y3/2) CLAY-RICH DIATOM OOZE with a few laminated intervals. Gray layers composed of sharp-based SILTY SAND overlain by CLAYEY SILT and DIATOM-RICH SILTY CLAY are present in section 3 (76-112 cm), in section 4 (141-135 cm), in section 5 (24-45 cm , 58-62 cm and 130-135 cm), in section 6 (37-46 cm , 50-59 cm , 110-122 cm, 128-138 cm) and in section 7 (36-41 cm). Homogenous intervals of olive gray CLAY-RICH DIATOM OOZE are commonly capped by a lighter lamina of DIATOM OOZE.



Hole 385-U1549A Core 8H, Interval 63.5-71.59 m (CSF-A)

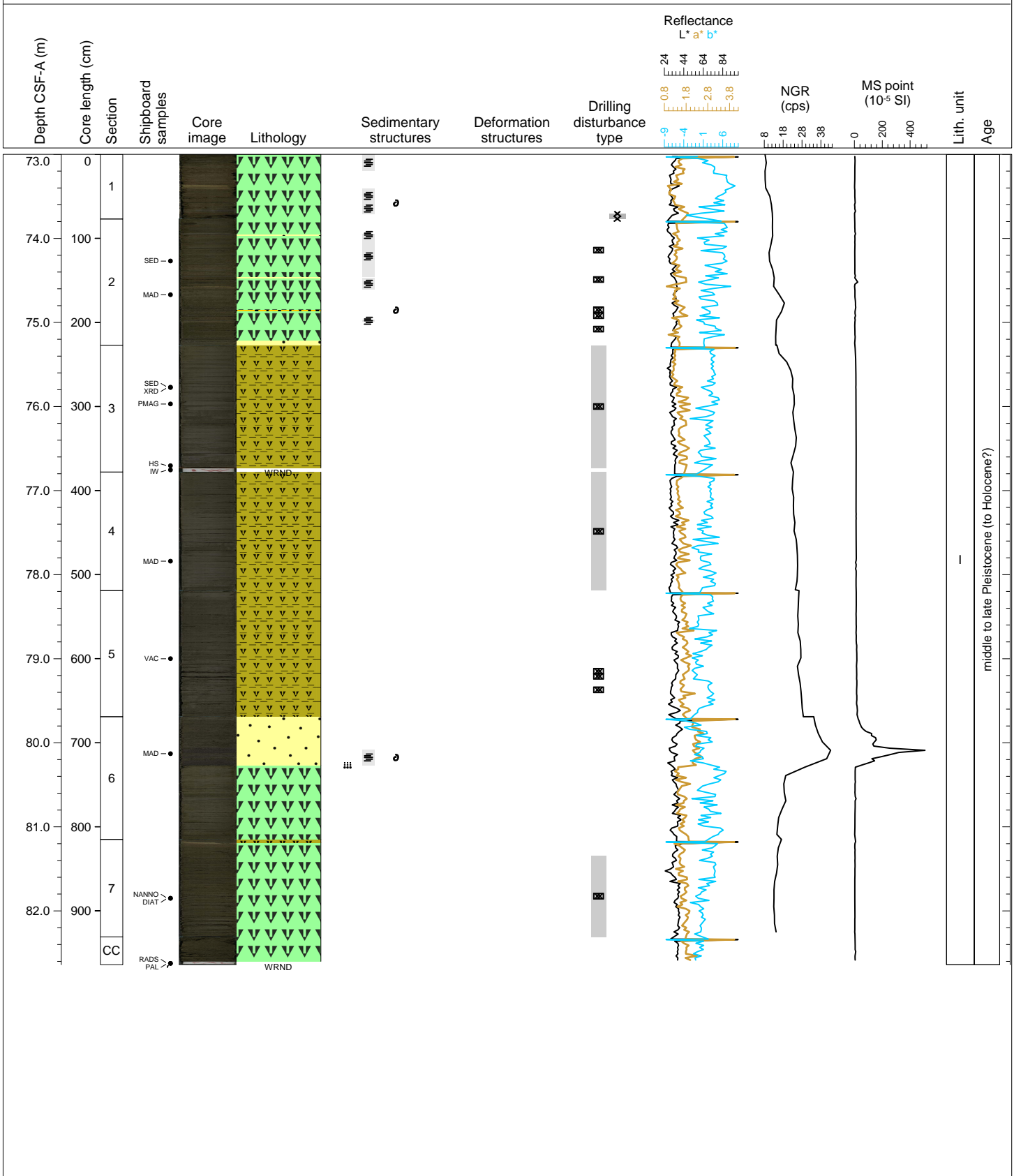
This core consists of homogenous and laminated olive gray (5Y3/2) CLAY-RICH DIATOM OOZE intercalated with grayer (5Y 4/1) layers of DIATOM-RICH SILTY CLAY in section 2 (4-8 cm, 15-16 cm, 50-51 cm), in section 3 (71-74 cm, 99-104 cm), in section 5 (99-113 cm), in section 6 (28-35 cm, 37-61 cm) and in section 7 (100-110 cm). In section 5, a grayer layer overlies a brownish gray (5YR 4/1) fine SAND. The 18 cm-thick unit displays upward-fining grain size from 117 to 99 cm. In section 6, a 33 cm-thick fining-upward depositional unit starts at 61 cm with the presence of a brownish gray (5Y 4/1) sand layer with a scoured base that extends up to 37 cm.





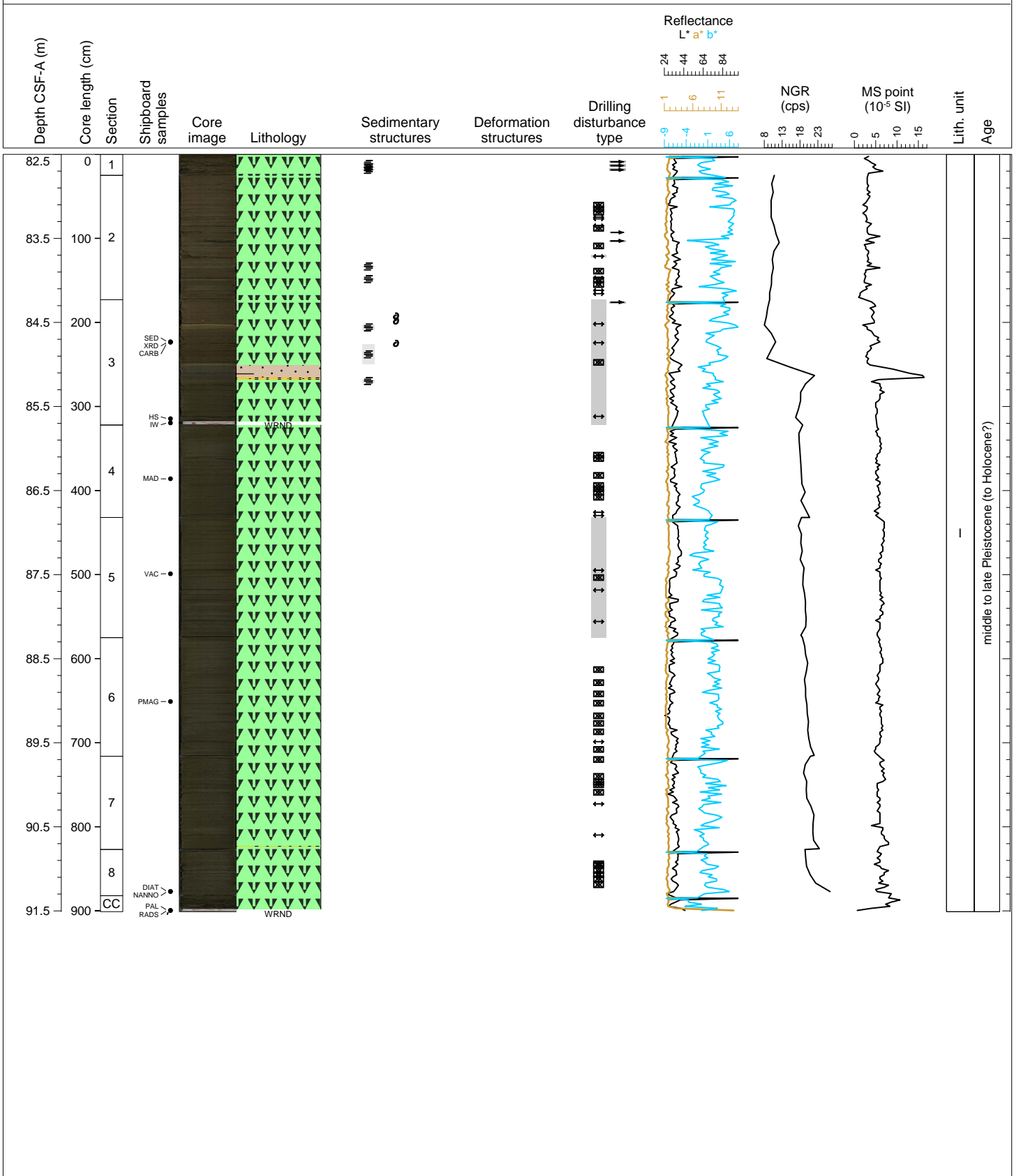
Hole 385-U1549A Core 9H, Interval 73.0-82.64 m (CSF-A)

This core consists of olive gray (5Y 3/2) NANNOFOSSIL-BEARING CLAY-RICH DIATOM OOZE with some light olive gray (5Y 5/2) NANNOFOSSIL-BEARING SILT-RICH DIATOM CLAY intervals. Faint lamination is present in sections 1 (0-20 cm, 258-71 cm) and 2 (0-81 cm). Grayer SILT layers are present in section 2 (18-19 cm, 69-70 cm, 144-150 cm). Dark gray (N3) SAND layers associated with shell debris are present in sections 1 (58 cm) and 2 (108-109 cm). In section 6, gradational bedding occurs at 39-58 cm and is composed of more or less laminated SAND and SILT in association with shell fragments. Erosional features are observed at 58 cm in section 6 and at 4 cm in section 7. Thick depositional unit is identified from the bottom of section 2 (144 cm) to section 6 (58 cm).



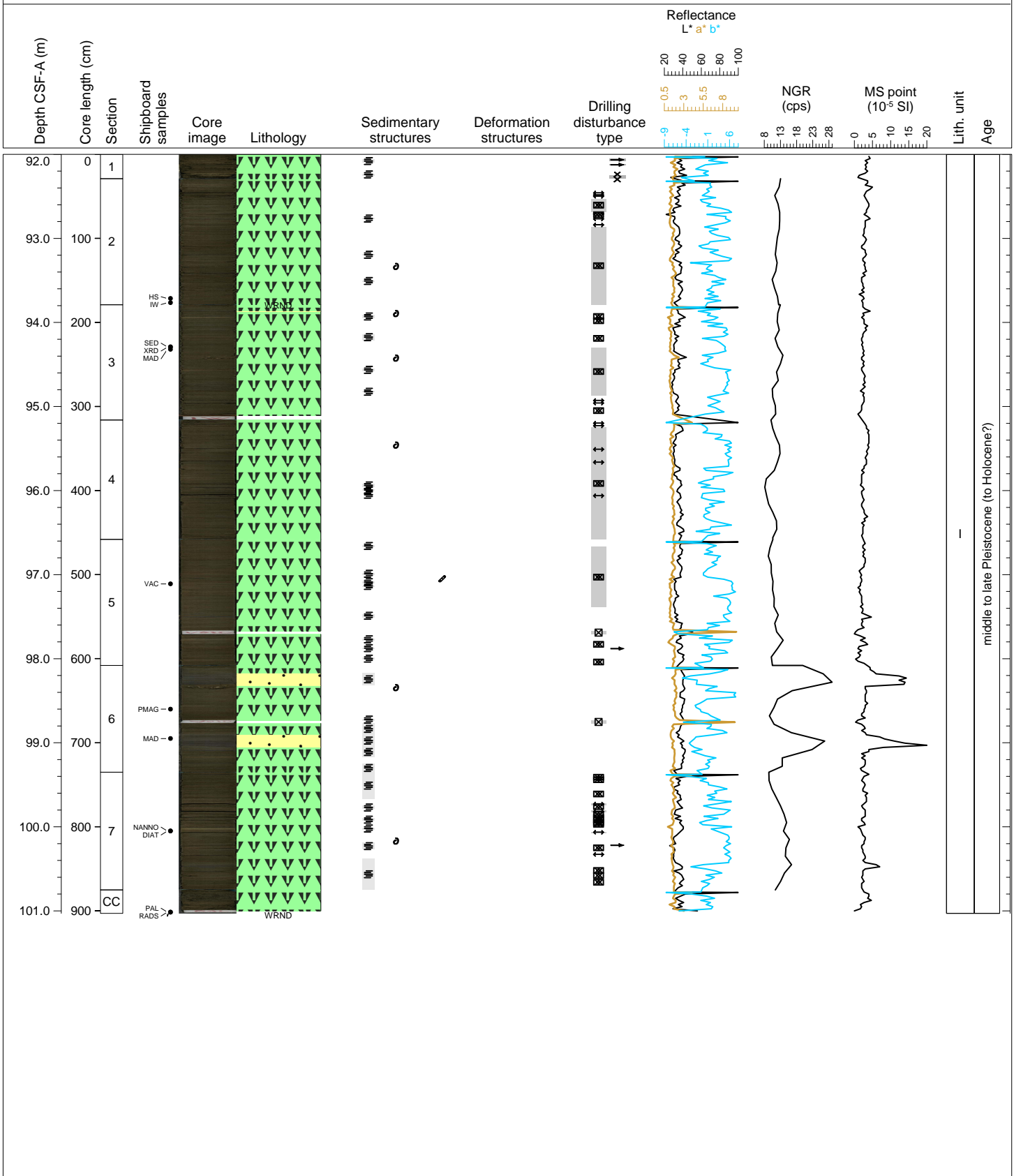
Hole 385-U1549A Core 10H, Interval 82.5-91.51 m (CSF-A)

This core consists of light olive gray (5Y 5/2) to olive gray (5Y 3/2) NANNOFOSSIL-BEARING CLAY-RICH DIATOM OOZE with some laminated intervals in sections 1, 2 and 3. Very light gray (N8) to medium light gray (N6) SILT layers are present in section 3 (77-95 cm). Dark gray (N3) SAND layers are also present in sections 3 (92-93 cm, 94-95 cm) and 7 (106-107 cm). A thick depositional unit is identified from sections 3 (95 cm) to 7 (107 cm).



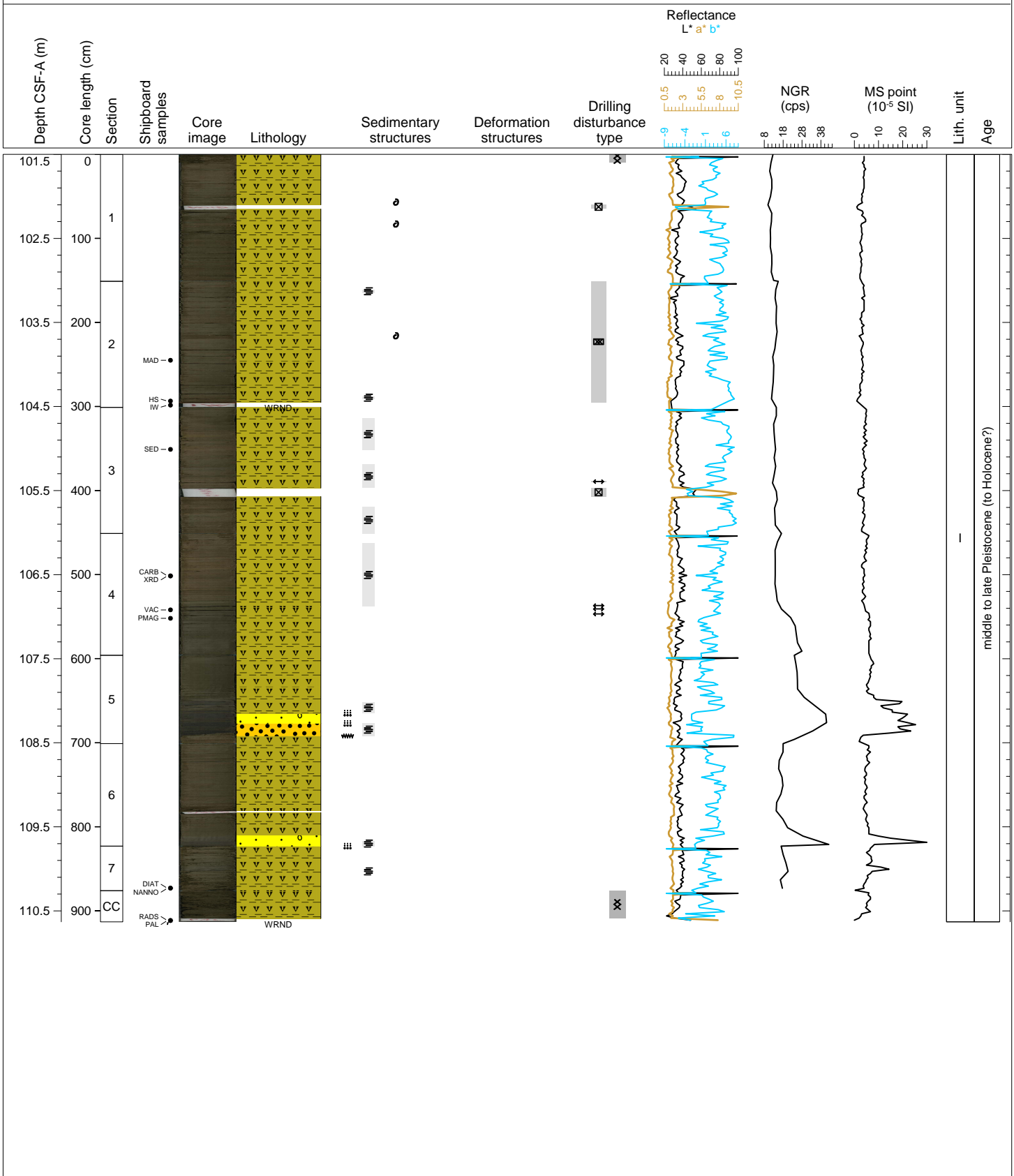
Hole 385-U1549A Core 11H, Interval 92.0-101.03 m (CSF-A)

This core consists of olive gray (5Y 3/2) NANNOFOSSIL-BEARING CLAY-RICH DIATOM OOZE with some laminated intervals in sections 1 to 7. Laminae display darker and lighter (light olive gray, 5Y 5/2; yellowish gray, 5Y 7/2) colors. Very light gray (N8) to medium gray (N5) SILT layers are present in sections 3 (7-8 cm), 4 (116 cm), 5 (118-120 cm), 6 (9-23 cm, 98-102 cm) and 7 (103-140 cm). Dark gray (N3) SAND layers or patches are also present in sections 4 (117 cm), 5 (92-93 cm, 118 cm), 6 (82-97 cm, 98-102 cm) and 7 (111-113 cm). Shell fragments are present in sections 2 (104-105 cm), 3 (10-11 cm, 62-65 cm), 4 (30 cm), 6 (25-28 cm) and 7 (82 cm).



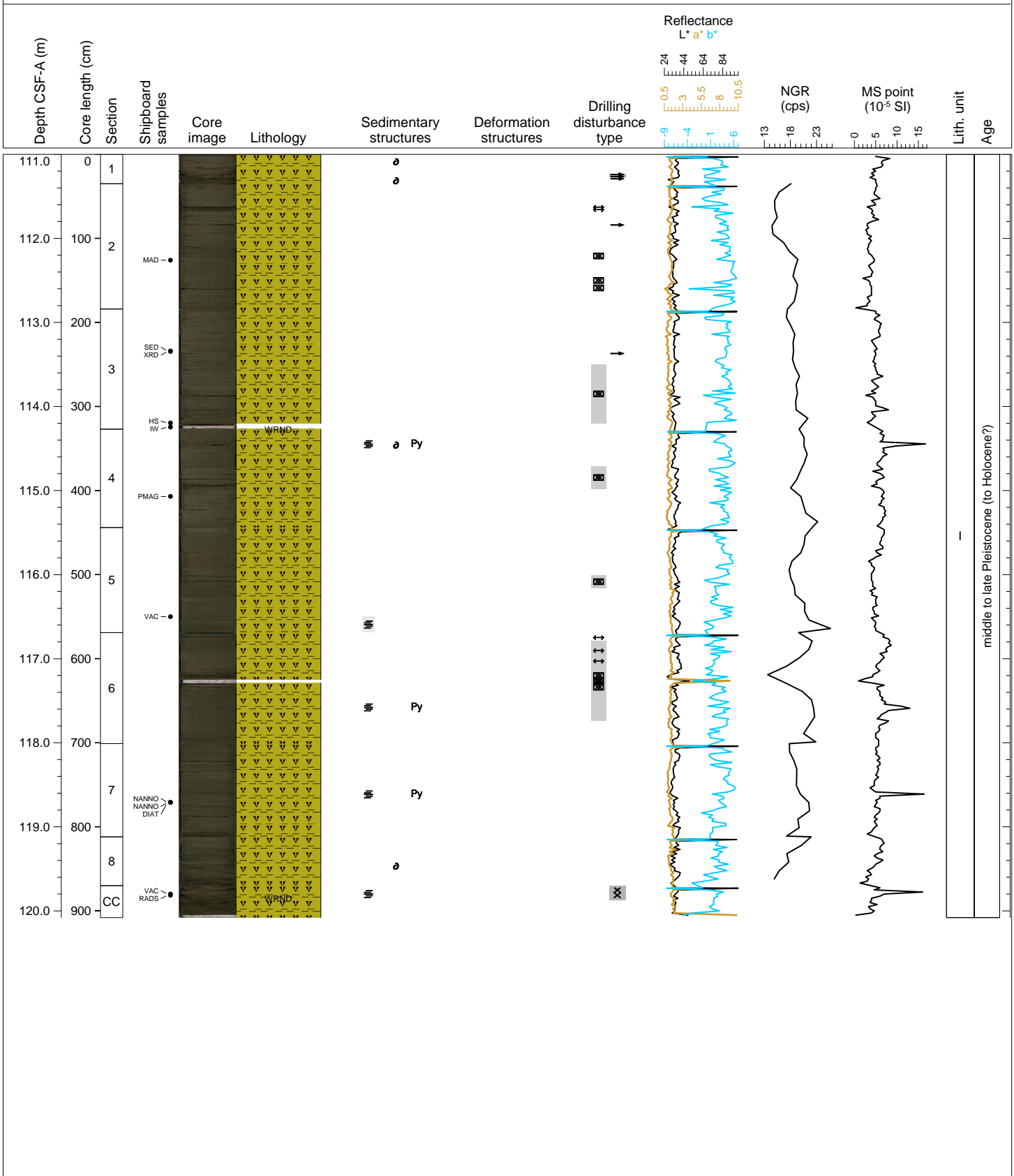
Hole 385-U1549A Core 12H, Interval 101.5-110.63 m (CSF-A)

This core consists of light olive gray (5Y 5/2) to olive gray (5Y 3/2) NANNOFOSSIL-RICH DIATOM CLAY with some laminated intervals in sections 2 to 6. A thick depositional unit is identified from sections 4 (87 cm) to 7 (32 cm). A medium dark gray (N4) SAND layer is present at 81-96 cm in section 5 above a scoured contact. Medium gray (N5) and dark yellowish brown (10YR 4/2) SILTY SAND layers are also present at 69-81 cm in section 5 and at 109-122 cm in section 6. Gradational boundaries are present at 56-81 cm in section 5 and at 109-121 cm in section 6. Shell fragments are present in sections 1 (57 cm, 83 cm) and 2 (65 cm).



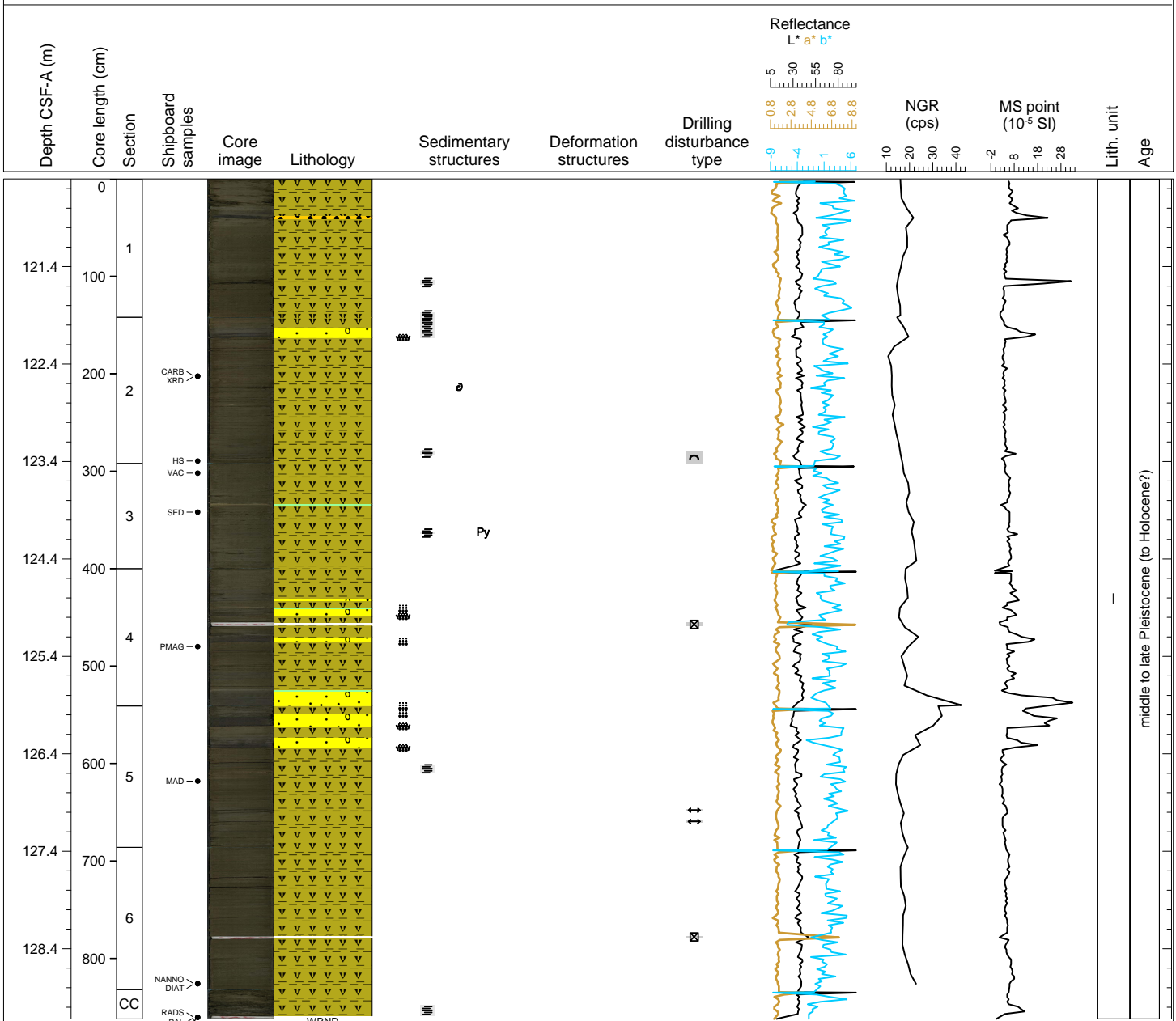
Hole 385-U1549A Core 13H, Interval 111.0-120.08 m (CSF-A)

This core consists of mainly homogeneous moderate olive gray (5Y 4/4) NANNOFOSSIL-BEARING DIATOM CLAY with an interval with very faint laminae in sections 5 (106-125 cm) and CC (8-12 cm). Black laminae composed of sulfide precipitates are present in sections 4 (18 cm), 6 (89 cm) and 7 (60-61 cm). Shell fragments are present in sections 1 (9 cm, 31-32 cm), 4 (18-20 cm) and 8 (34-36 cm). The top 17 cm of section CC are highly disturbed by drilling.



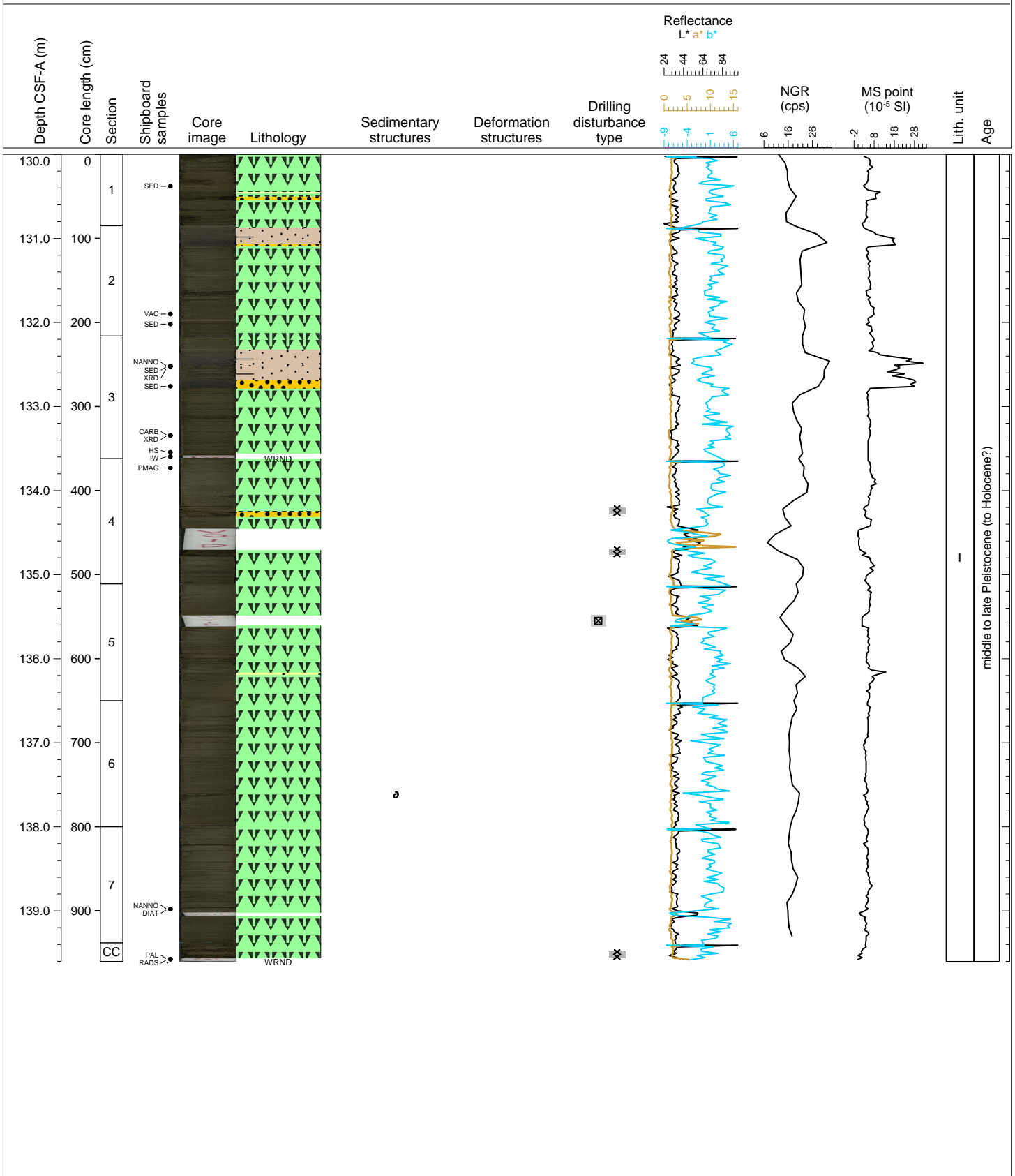
Hole 385-U1549A Core 14H, Interval 120.5-129.12 m (CSF-A)

This core consists of mainly homogeneous moderate olive gray (5Y 4/4) to olive gray (5Y 3/2) NANNOFOSSIL-RICH DIATOM CLAY. A black (N3) SAND layer is present at 38-41 cm in section 1. A layer composed of pyroclastic particles (scoria) is present at 104-109 cm in section 1. A depositional unit composed of light olive gray (5Y 5/2) DIATOM OOZE and medium gray SILTY SAND is identified in sections 4 (40-49 cm, 124-141 cm) and 5 (0-21 cm, 32-43 cm). Gradational boundaries are always observed within the medium gray SILTY SAND layers. Erosional features are also present in sections 1 (41 cm), 2 (21 cm), 4 (49 cm, 75 cm) and 5 (21 cm, 43 cm). Black lamina composed of sulfide precipitates is present in section 3 (71-72 cm). Shell fragments are present in section 2 (71-72 cm). The top 29 cm of section 1 and the whole section CC are highly disturbed by drilling.



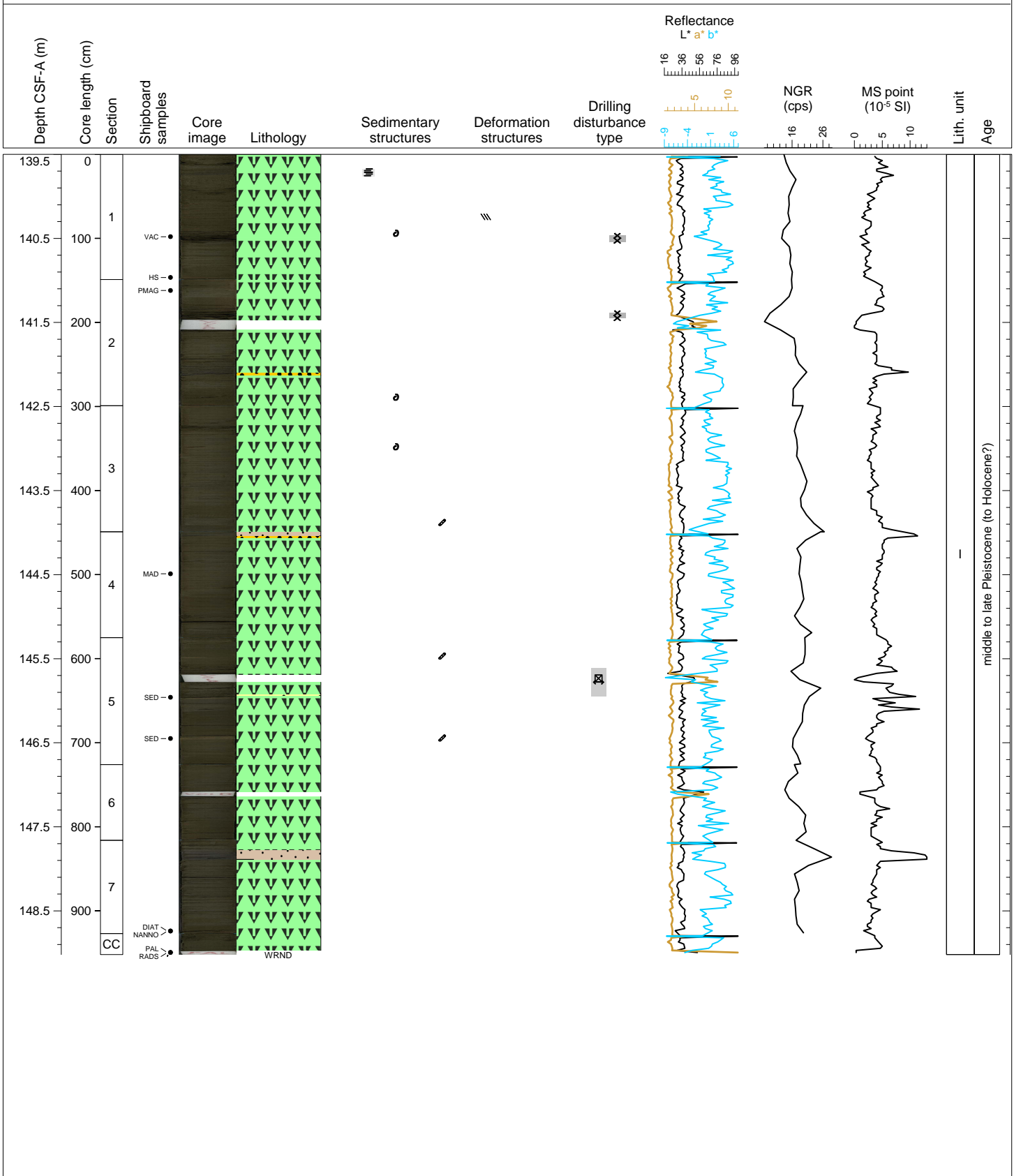
Hole 385-U1549A Core 15H, Interval 130.0-139.6 m (CSF-A)

This core consists of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Thin SILT and SAND layers occur in section 1 at 45 and 54 cm. In section 2, a 24 cm-thick fining-upward depositional unit is present between 24 and 0 cm, where the basal brownish gray SAND layer displays a sharp basal contact. In section 3, a 47 cm-thick depositional unit consists of a medium gray (N5) SAND at the base, overlain by an alternation of mud and silty layers and with a grayer layer of DIATOM-RICH SILTY CLAY on top. A FORAMINIFERA-RICH SAND occurs in section 4. A shell fragment is present in section 6 at 111 cm.



Hole 385-U1549A Core 16H, Interval 139.5-149.02 m (CSF-A)

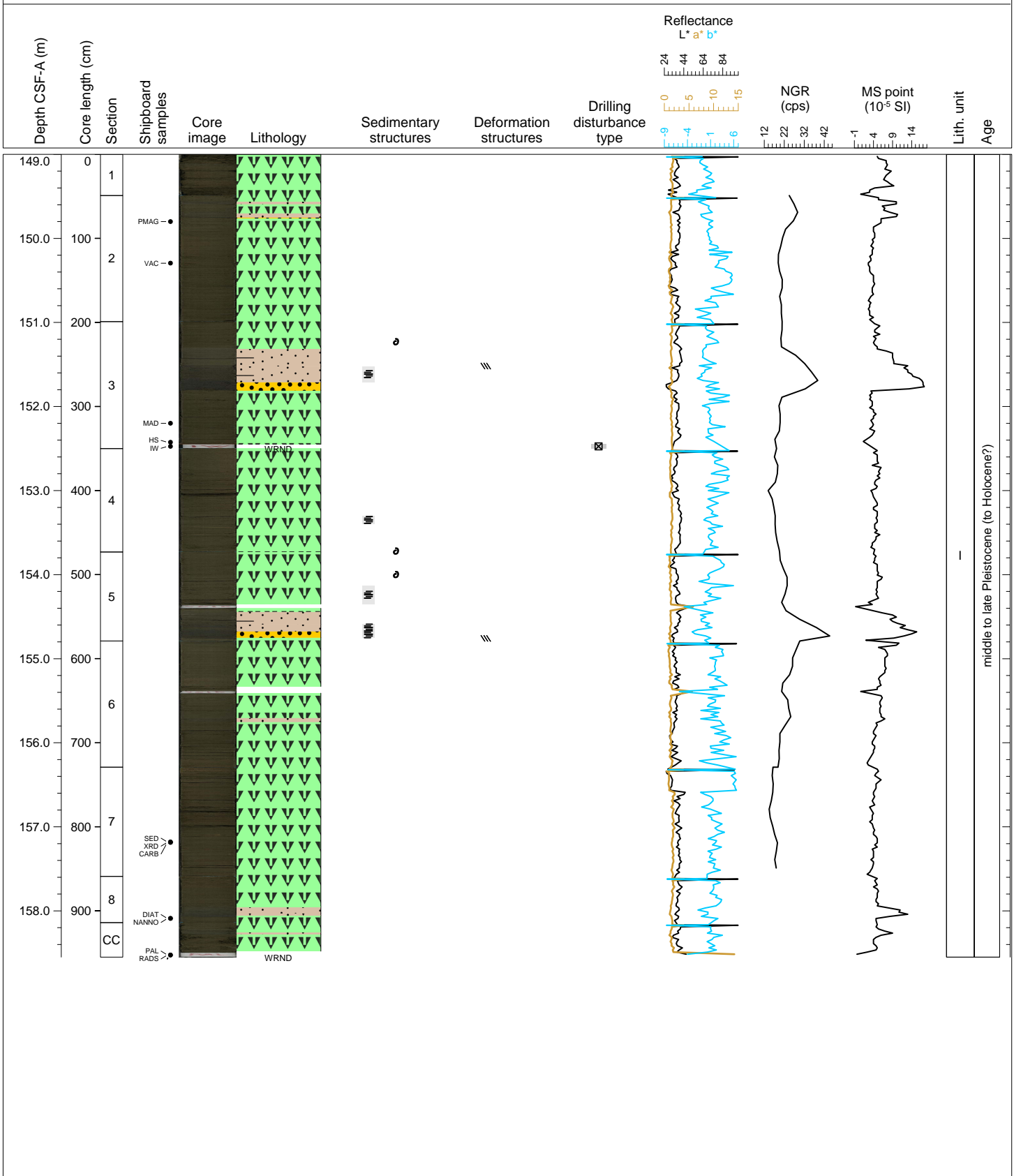
This core consists of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Shell fragments occur in section 1 (94 cm), in section 2 (140 cm) and section 3 (49 cm). Medium dark gray (N4) SAND patches are present in section 2 at 111 cm. In section 4, a grayer layer of DIATOM-RICH SILTY CLAY is overlain by a medium gray sand layer with a scoured base (0-7 cm). Another grayer layer is present in section 7 (11-23 cm). In section 5, a SAND/ASH lamina with volcanic glass occurs at 71 cm, below two laminae of SILT. Bioturbation is evidenced by the presence of patches of ASH in sections 5 (85 cm) and 7 (67 cm) and by lighter patches of DIATOM OOZE (i.e., 118-121 cm in section 5).





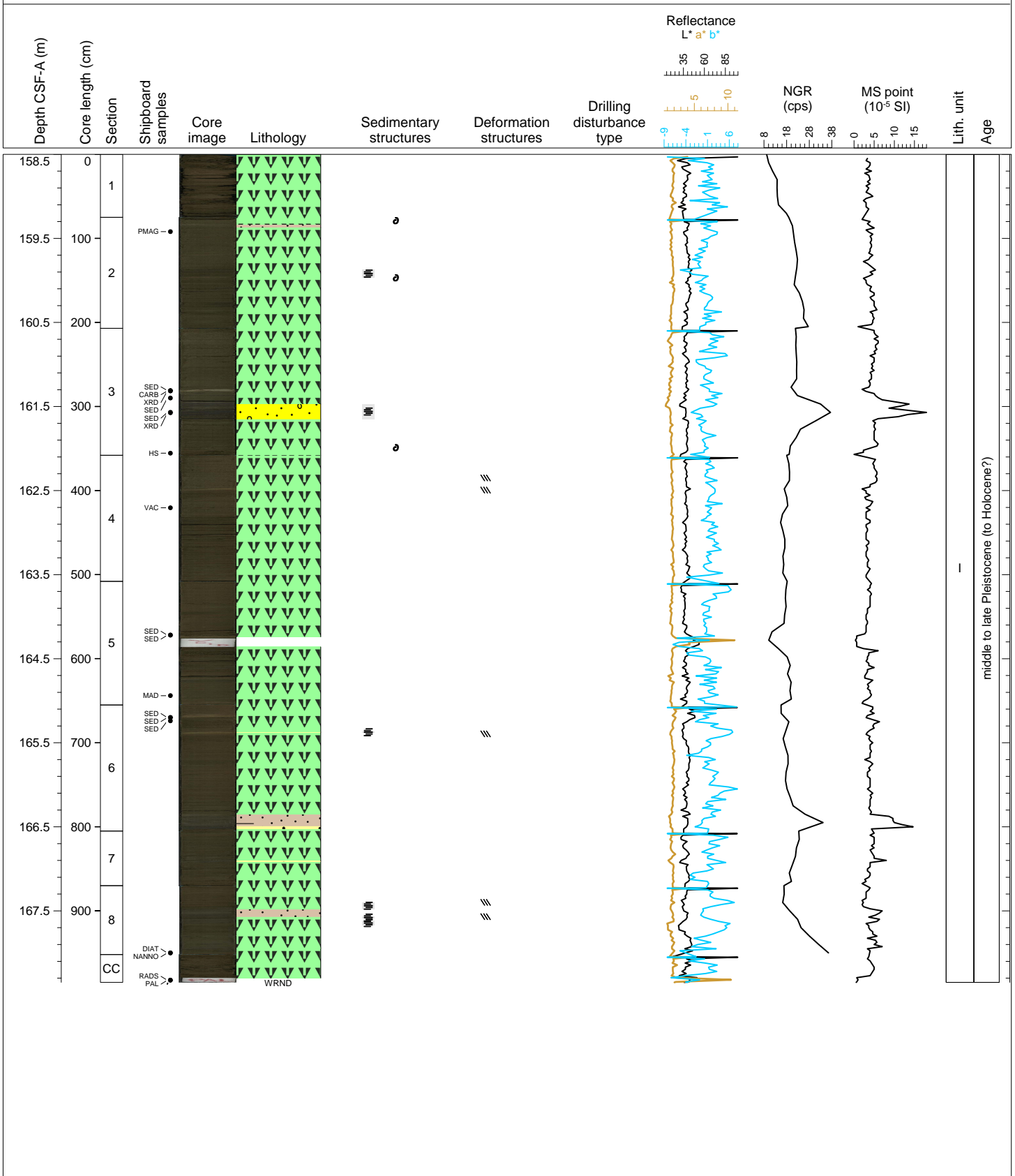
Hole 385-U1549A Core 17H, Interval 149.0-158.55 m (CSF-A)

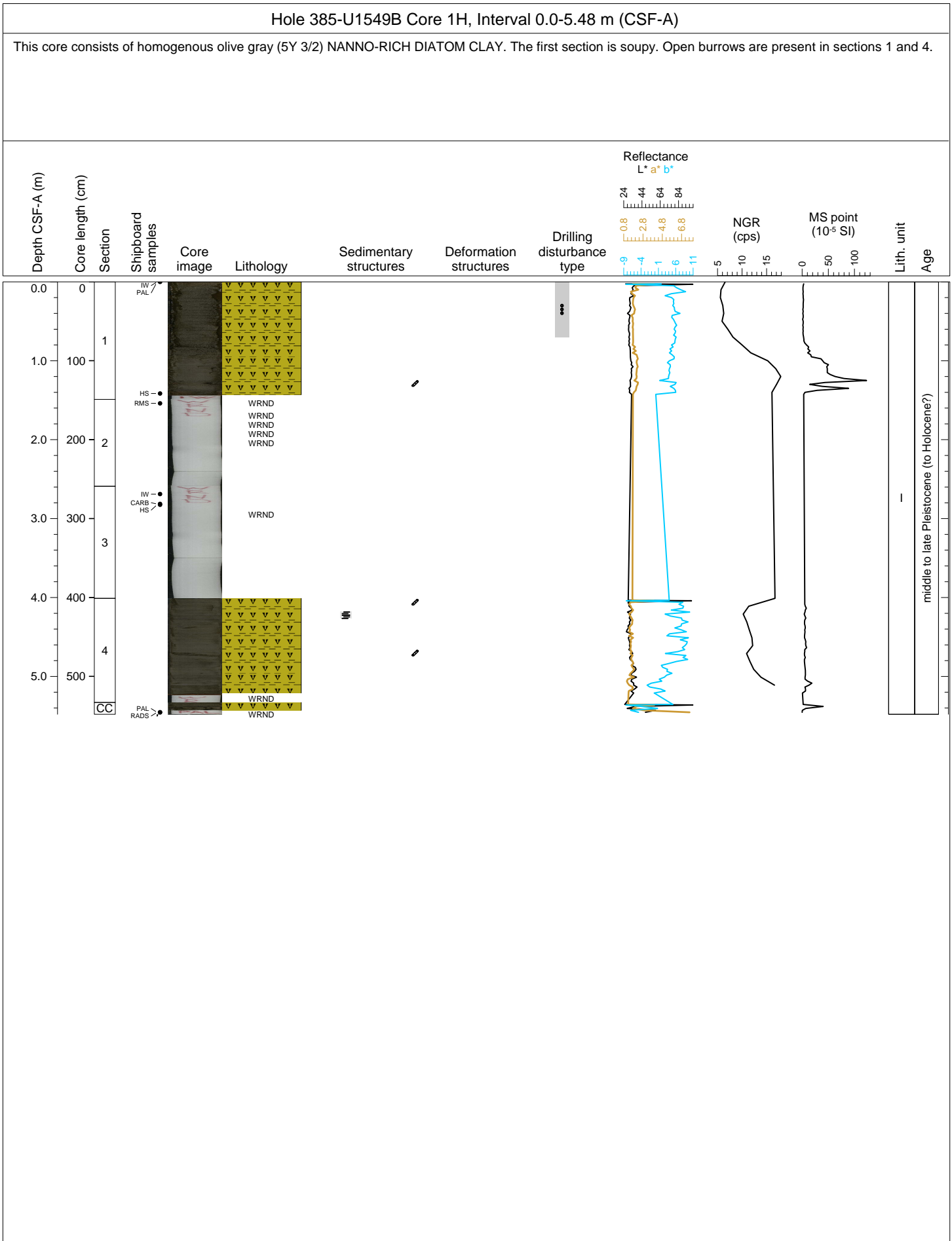
This core consists of homogenous (bioturbated) olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with thin intervals of grayer of DIATOM-RICH CLAYEY SILT in section 2 (7-10 cm and 21-26 cm) and complete depositional units in section 3 (32-82 cm), in section 5 (71-102 cm) and in section 8 (36-48 cm). These begin with an abrupt contact at the base with SAND overlain by CLAYEY SILT and SILTY CLAY at the top of each unit.



Hole 385-U1549A Core 18H, Interval 158.5-168.35 m (CSF-A)

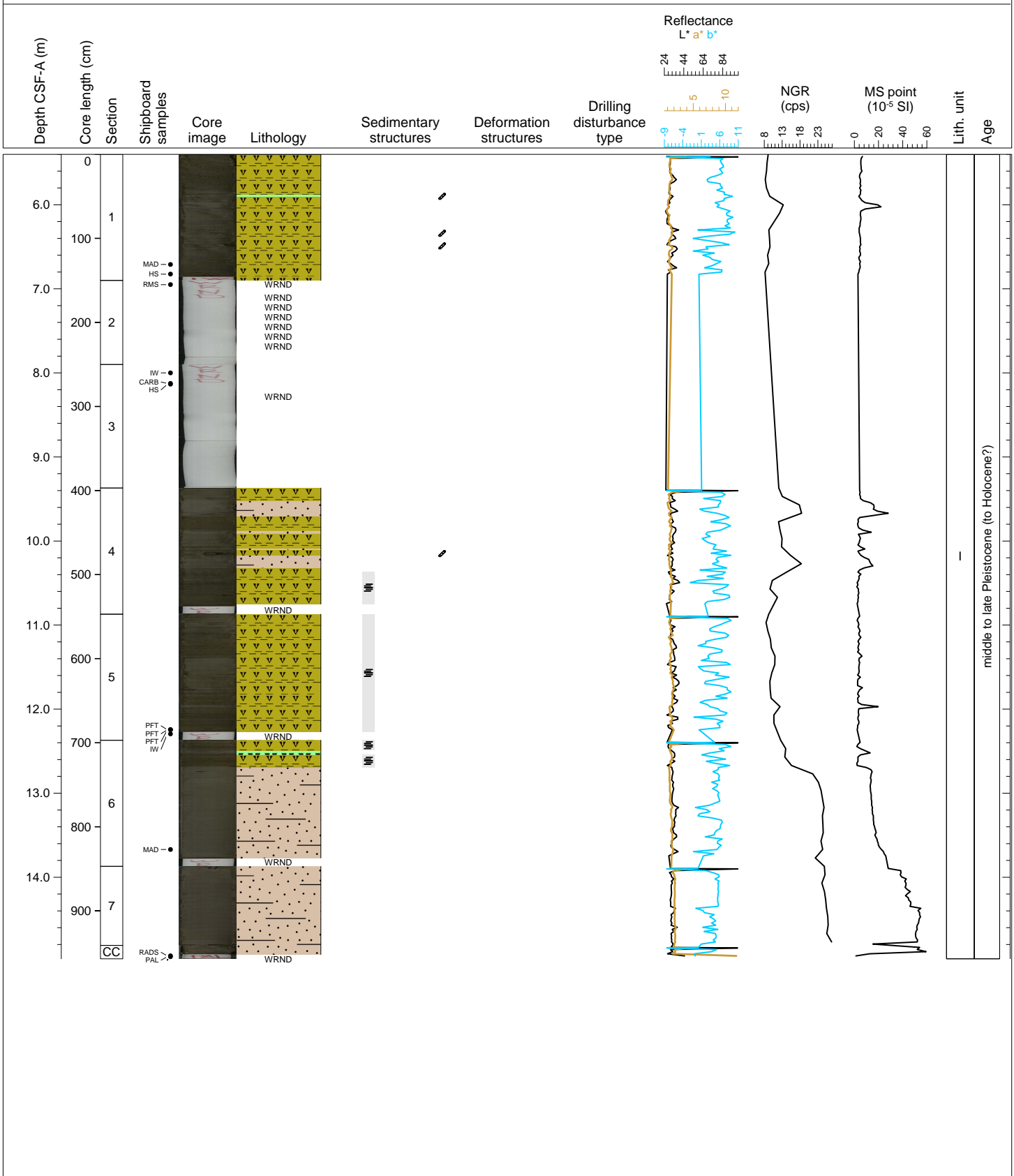
This core consists of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Few laminated intervals are present in sections 2 and 8. SILT laminae are present in sections 6, 7 and 8. Thin depositional units that fine-upward from SAND to SILT occur in section 3 (74-108 cm) and in section 6 (130-147 cm). The first section displays gas expansion cracks.





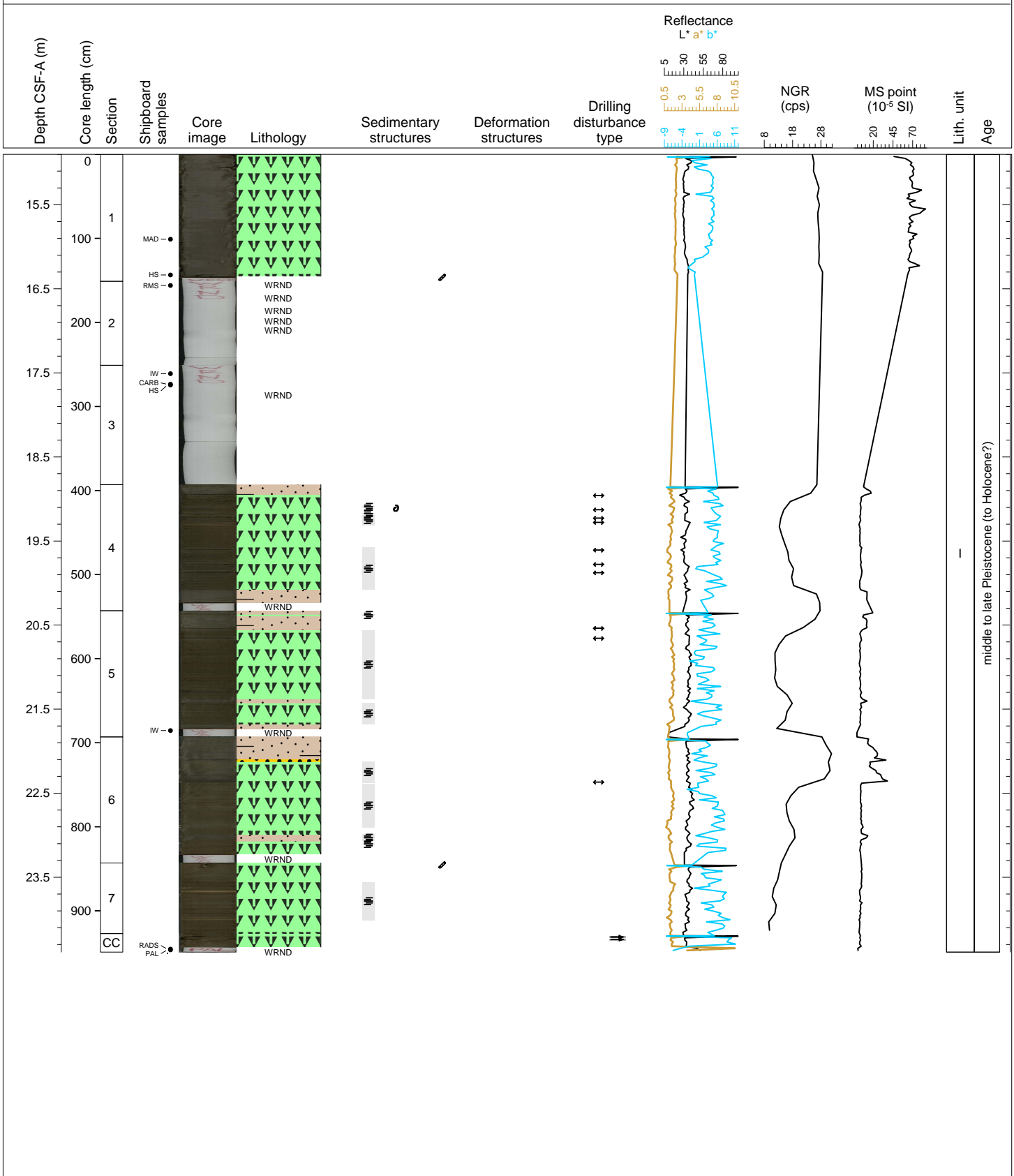
Hole 385-U1549B Core 2H, Interval 5.4-14.97 m (CSF-A)

This core consists of homogenous and laminated olive gray (5Y 3/2) NANNO-RICH DIATOM CLAY from section 1 to section 6 with a few intervals of grayer layers in section 4. Open burrows are present in sections 1 and 4. From 32 cm in section 6 to the CC, homogenous light olive gray (5Y 5/2) DIATOM-RICH CLAYEY SILT is present. It corresponds to the top of a large depositional unit that begins in the sampled interval in core 3H.



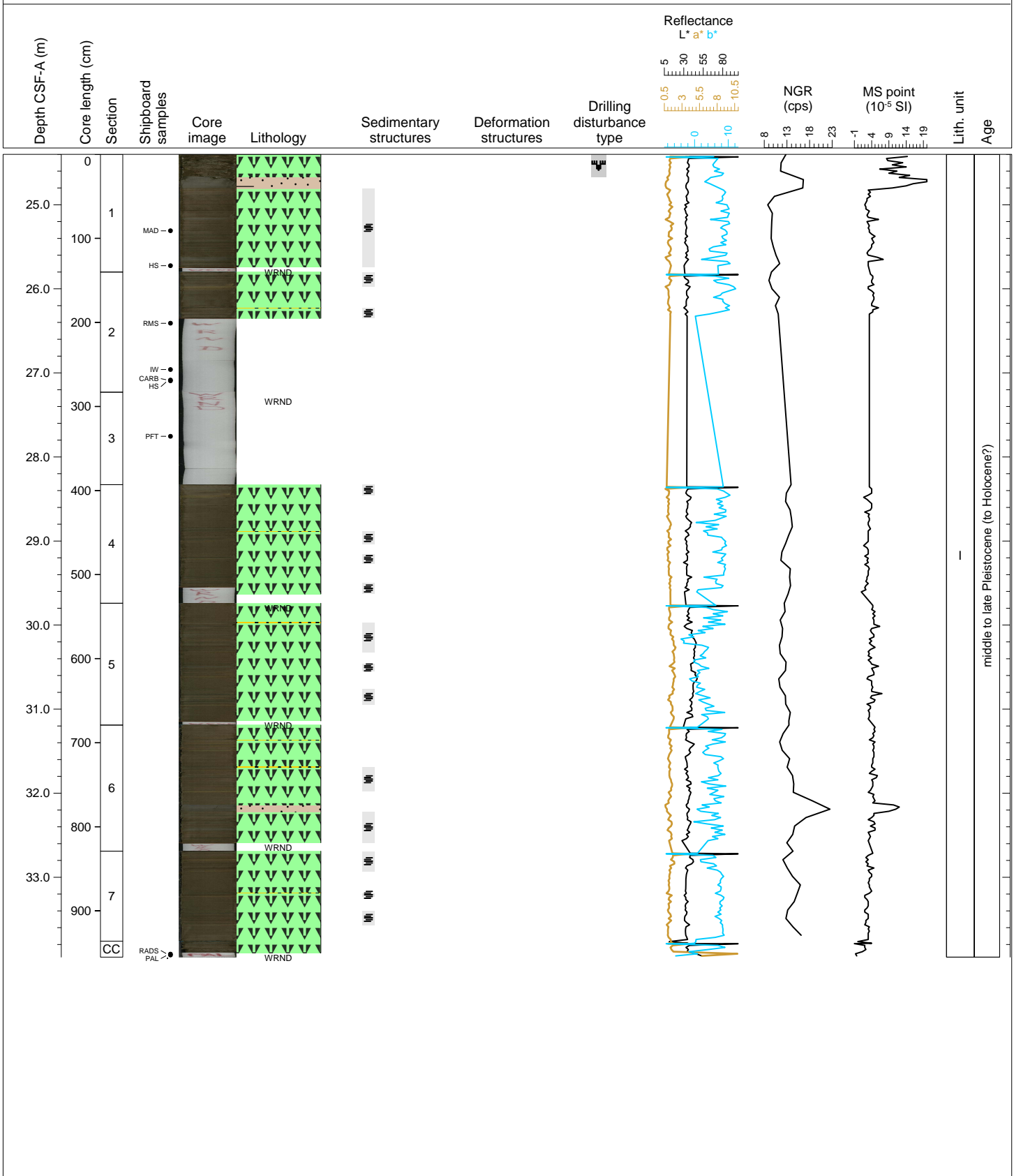
Hole 385-U1549B Core 3H, Interval 14.9-24.39 m (CSF-A)

This core consists of dark yellowish brown (10YR 4/2) to moderate olive brown (5Y 4/4) CLAY-RICH DIATOM OOZE with few light gray (N7) to medium light gray (N7) intervals of DIATOM-RICH CLAYEY SILT in sections 4 (0-12 cm, 125-140 cm), 5 (0-4 cm, 6-23 cm, 105-110 cm, 135-141 cm) and 6 (0-30 cm, 116-123 cm). Open burrows are present in sections 1 (142-145 cm) and 7 (0-5 cm). Black (N1) SAND laminae are present in sections 5 (4 cm) and 6 (26-30 cm). Shell fragments are present in section 4 (28 cm).



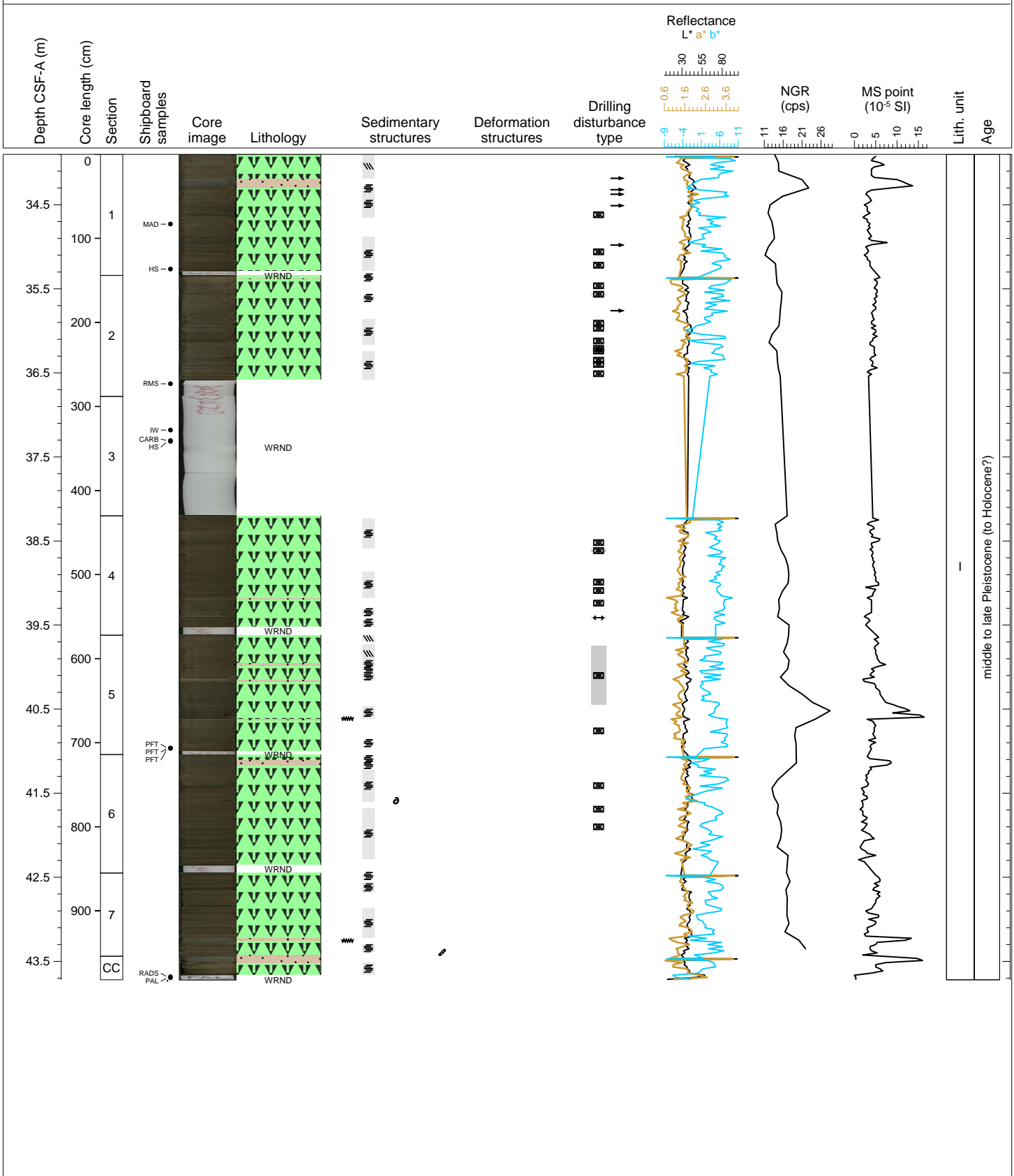
Hole 385-U1549B Core 4H, Interval 24.4-33.95 m (CSF-A)

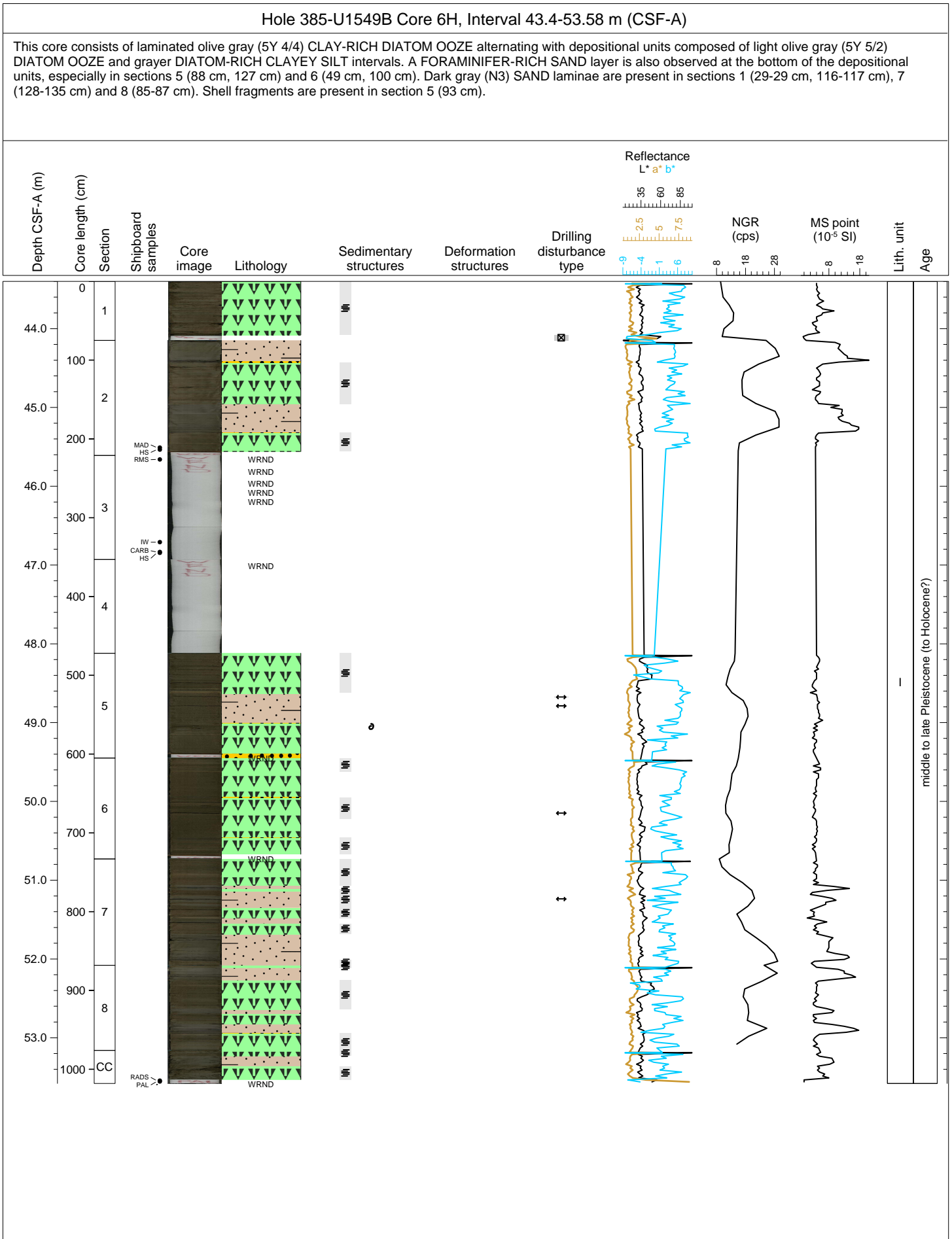
The majority of this core is dominated by 15-30 cm thick depositional units characterized by slight scouring at the bottom, a homogeneous olive gray (5Y 3/2) layer and a light olive gray (5Y 5/2) DIATOM-RICH CLAYEY SILT layer at the top of the unit dominated by DIATOM OOZE. A FORAMINIFER-RICH SAND layer is also observed at the bottom of the depositional units. These depositional units alternate regularly with laminated sediments.



Hole 385-U1549B Core 5H, Interval 33.9-43.72 m (CSF-A)

This core consists of laminated moderate olive gray (5Y 4/4) CLAY-RICH DIATOM OOZE alternating with depositional units composed of light olive gray (5Y 5/2) DIATOM OOZE and grayer DIATOM-RICH CLAYEY SILT intervals. Dark gray (N3) SAND laminae are present in sections 1 (39-42 cm), 5 (33-36 cm, 85-99.5 cm) and 6 (6-13 cm). Scoured basal contacts occur at 99.5 cm in section 5 and at 80.5 cm in section 7. Tilted and folded laminae are present at the bottom of section 2 (103-106 cm) and in section 5. Shell fragments are present in section 6 (54-55 cm). Filled burrow occurs at 94.5 cm in section 7.

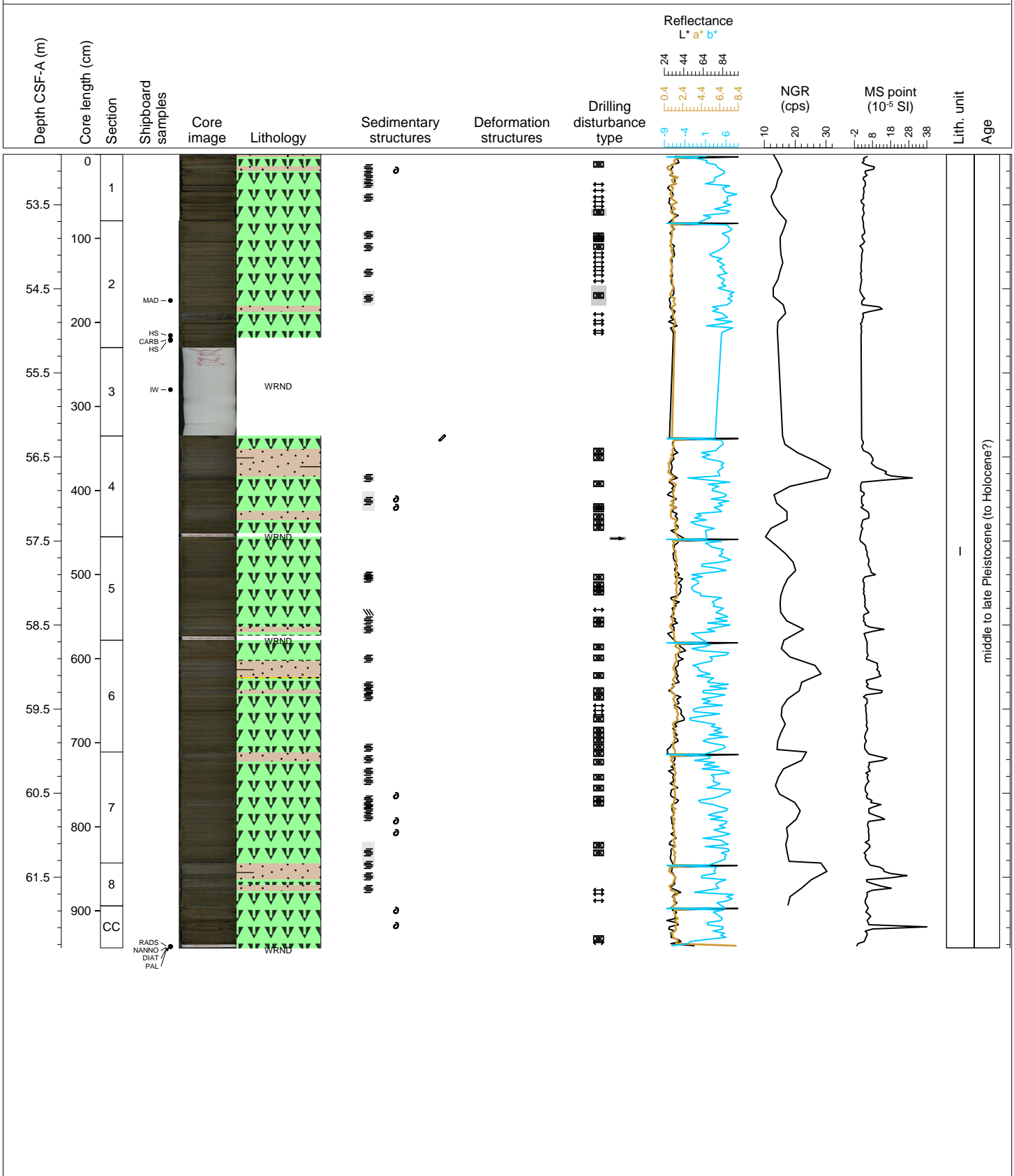






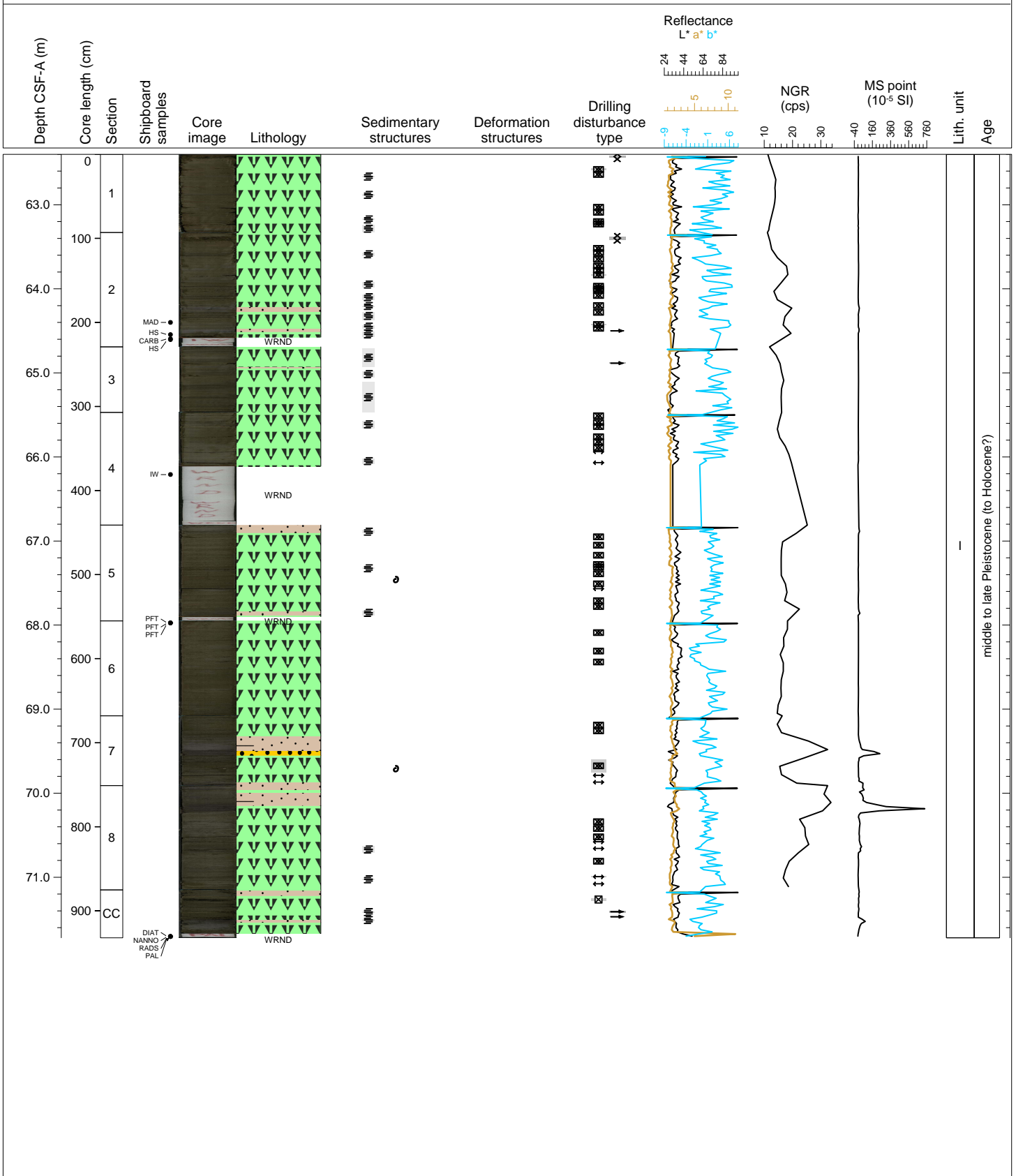
Hole 385-U1549B Core 7H, Interval 52.9-62.34 m (CSF-A)

This core consists of laminated olive gray (5Y 4/4) CLAY-RICH DIATOM OOZE alternating with depositional units composed of light olive gray (5Y 5/2) DIATOM OOZE and grayer DIATOM-RICH CLAYEY SILT intervals. A FORAMINIFER-RICH SAND layer is also observed at the bottom of the depositional units. Tilted laminae are present at 89-91 cm in section 5. Dark gray (N3) to black (N1) SAND laminae are present in sections 1 (19 cm), 4 (46-54 cm), 5 (46-46.5 cm, 107-113 cm), 6 (43.5-45 cm, 59.5-60.5 cm, 128 cm), 7 (6-10 cm, 79-80 cm) and 8 (13-19 cm, 29-33 cm). Shell fragments are present in sections 1 (19 cm), 4 (75 cm, 85 cm), 7 (52 cm, 82 cm, 96 cm) and CC (5-6 cm, 23-24 cm). Open burrows are present at the top of section 4.



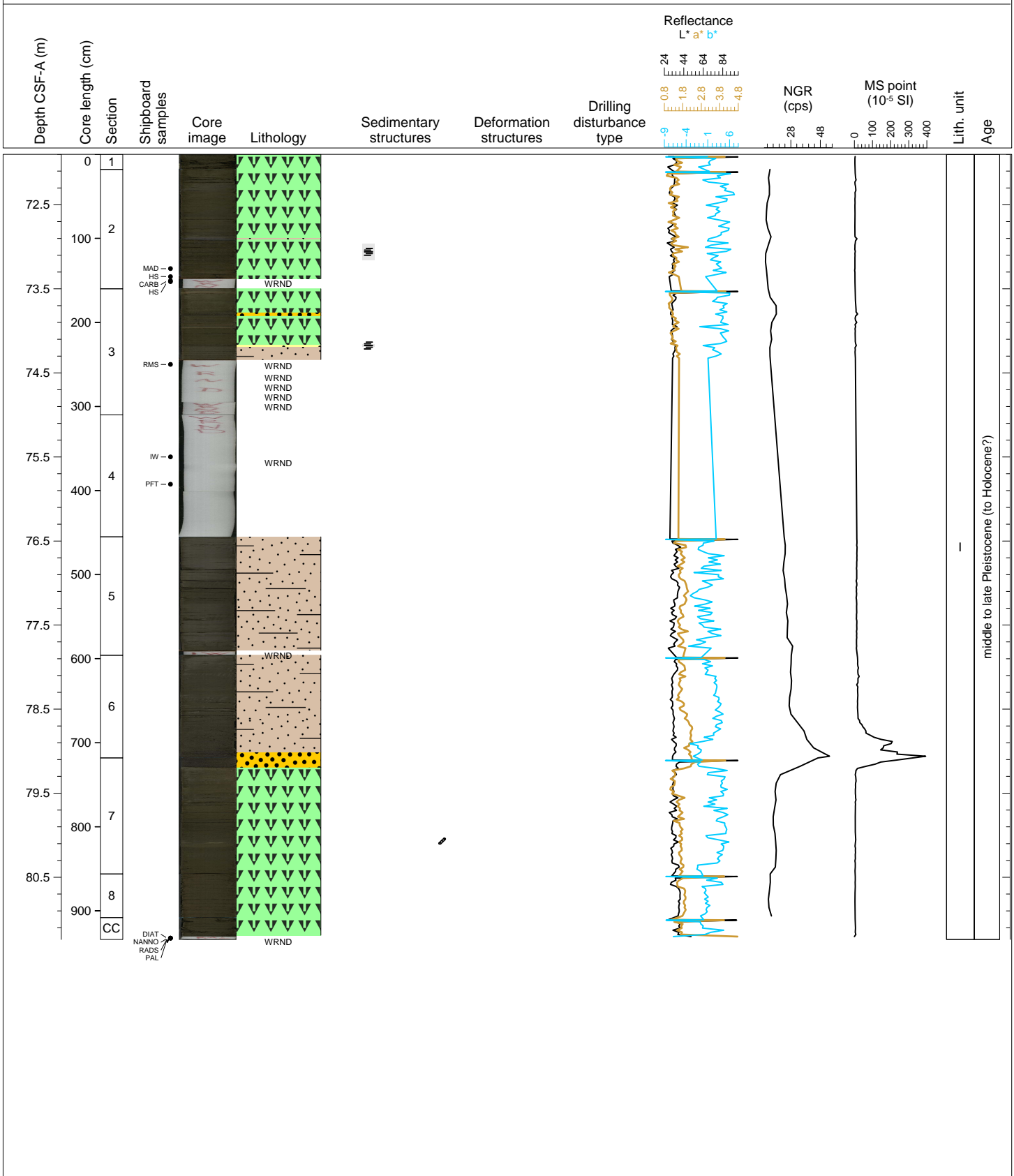
Hole 385-U1549B Core 8H, Interval 62.4-71.72 m (CSF-A)

This core consists of homogenous and laminated olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE intercalated with grayer (5Y 4/1) to light olive gray (5Y 5/2) layers of DIATOM-RICH SILTY CLAY. Dark gray (N3) to grayer (5Y 4/1) SAND layers and laminae are present in sections 2 (88-95 cm), 3 (24-25 cm), 5 (6-10 cm, 102-107 cm), 7 (40-47 cm), 8 (2 cm, 4-5 cm, 24-33 cm, 72-80 cm) and CC (9 cm, 11 cm, 35-37 cm). Shell fragments are present in sections 5 (65 cm) and 7 (63 cm).



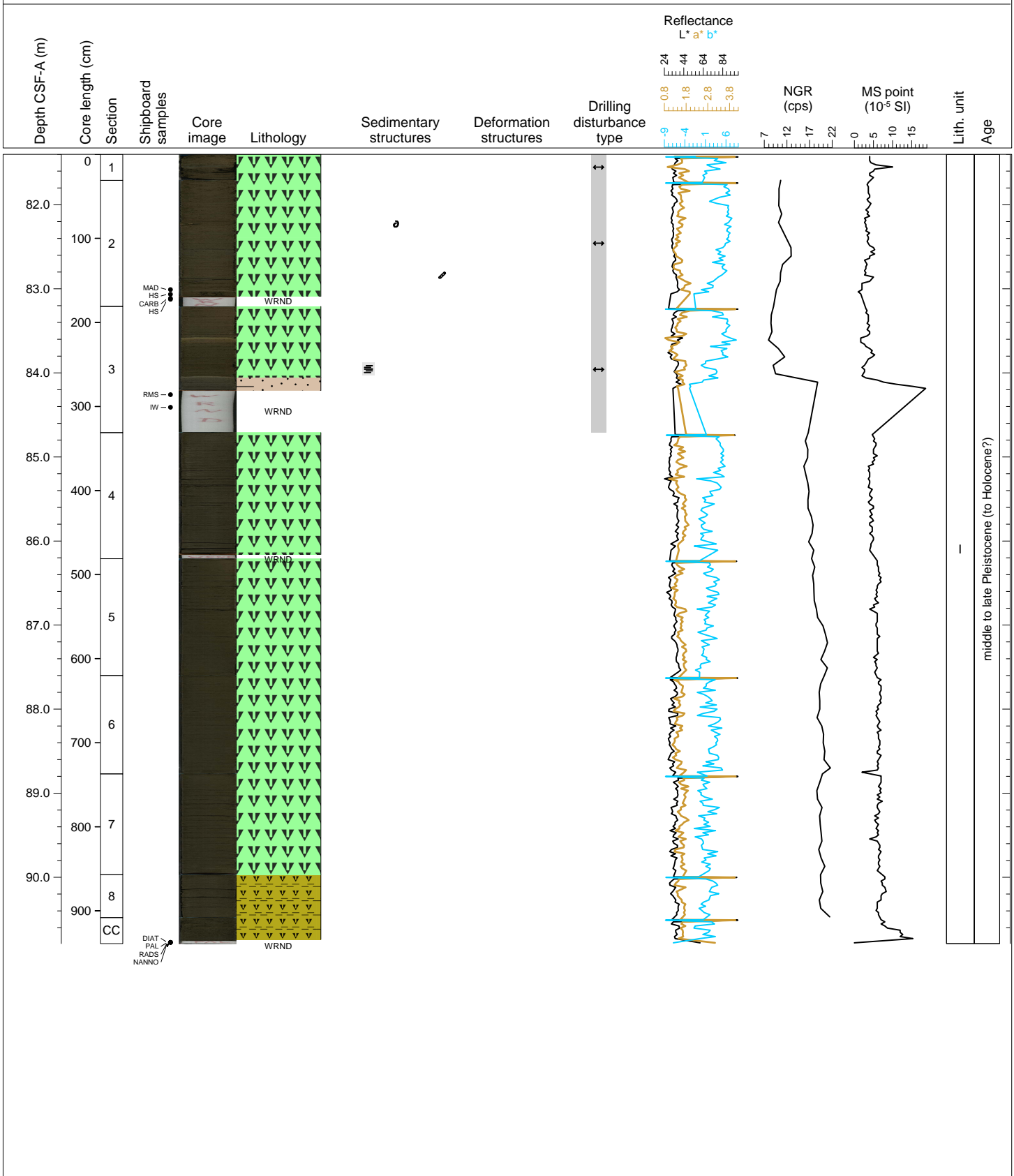
Hole 385-U1549B Core 9H, Interval 71.9-81.24 m (CSF-A)

This core consists of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with a thick depositional unit observed in section 5, 6 and top of section 7. The base of this unit is characterized by a SAND fining upward and overlain by SILT and DIATOM-RICH SILTY CLAY. In sections 5 and 6, anastomosing lighter laminae reflect subtle changes in detrital grain proportions present in the DIATOM-RICH SILTY CLAY.



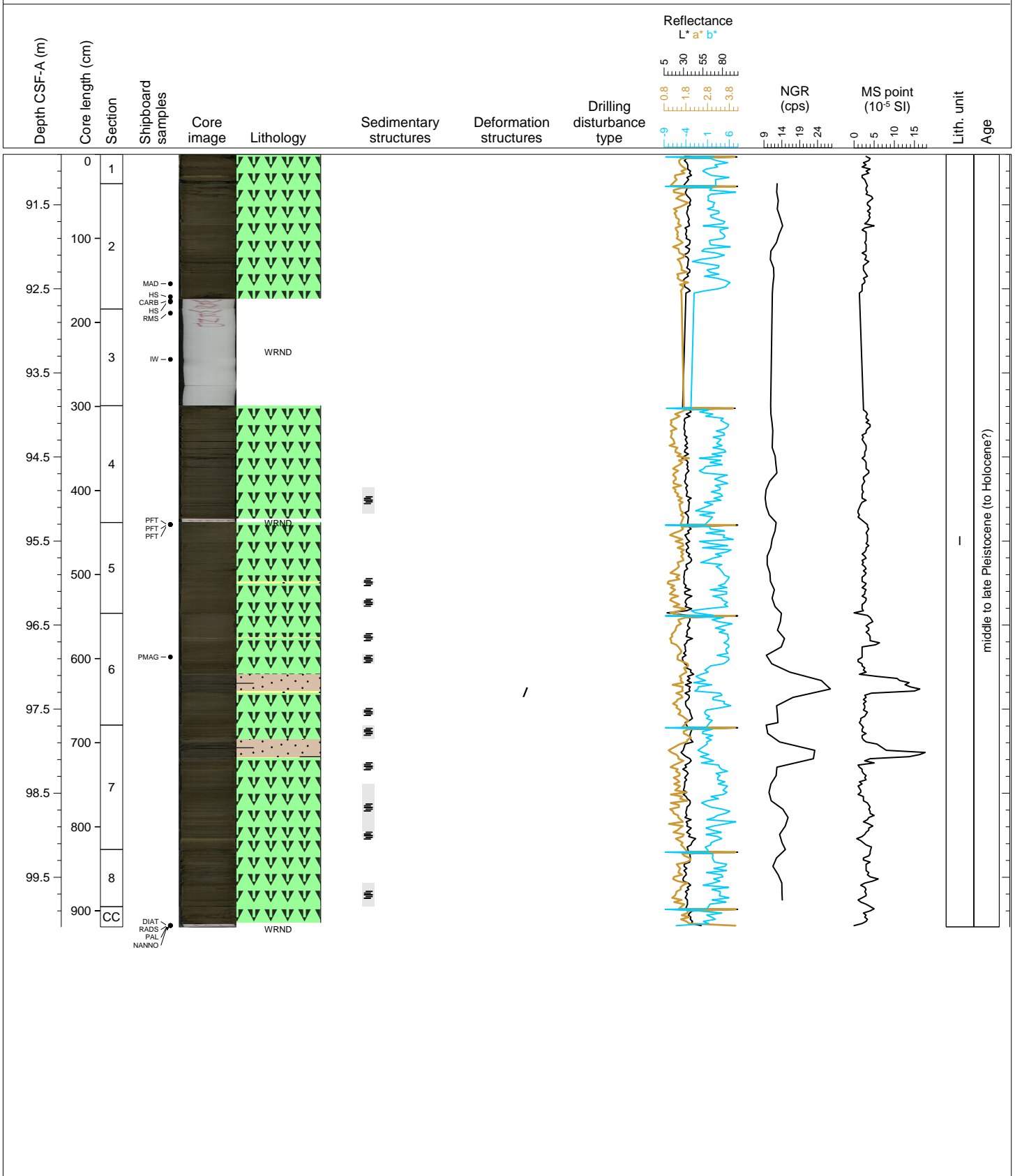
Hole 385-U1549B Core 10H, Interval 81.4-90.79 m (CSF-A)

This core consists mainly of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. A light olive gray (5Y 5/2) interval of DIATOM OOZE is present in section 3 (37-43 cm). A grayer layer occurs in section 3 between 100 and 82 cm with a lighter lamina on top. In section 8, the sediment is SILTY DIATOM CLAY overlain by homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE suggesting the occurrence of a large depositional unit. The CC is composed of SANDY DIATOM CLAY.



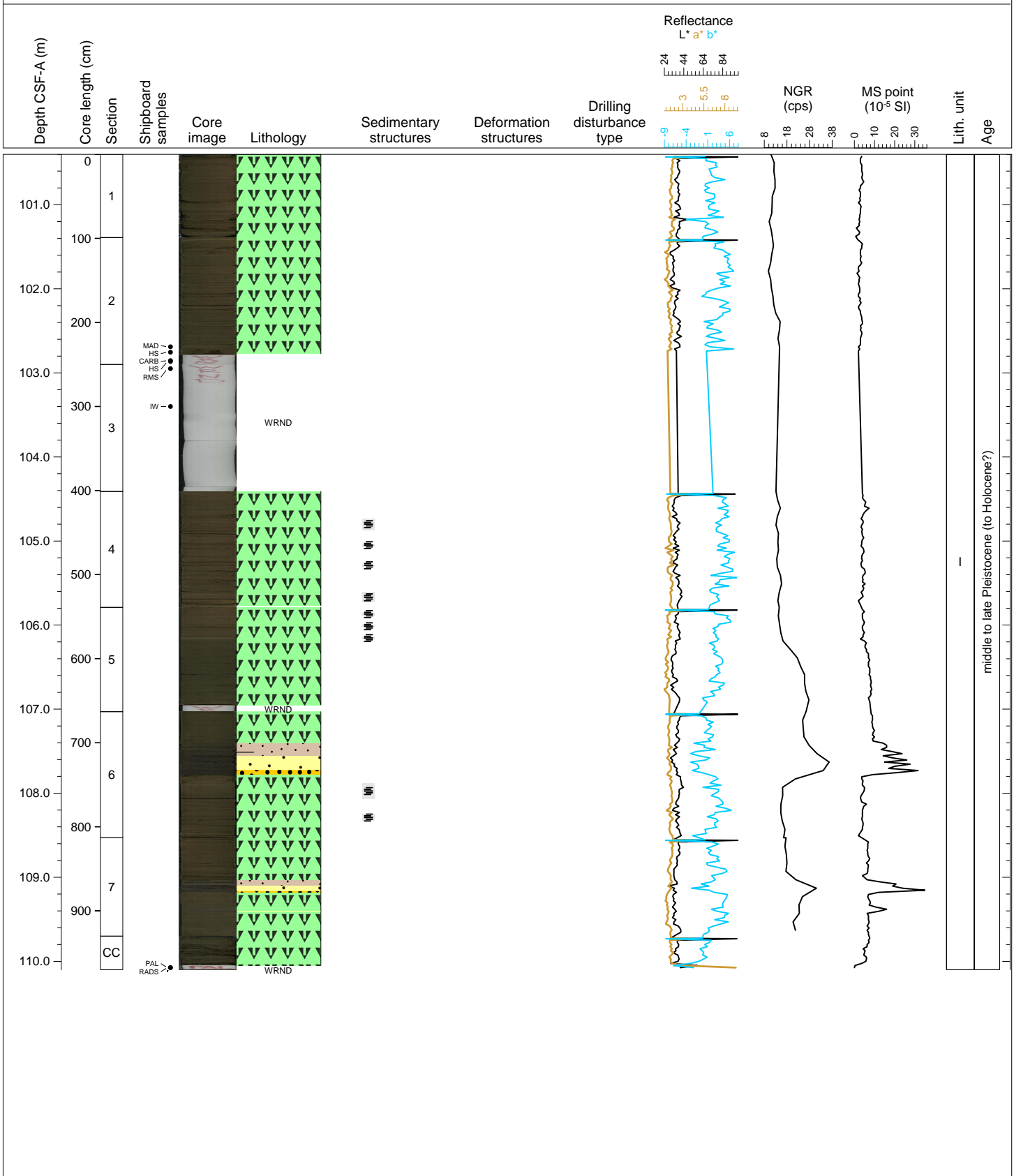
Hole 385-U1549B Core 11H, Interval 90.9-100.09 m (CSF-A)

This core is mainly composed of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with a few laminated intervals in sections 1, 4, 5, 6, 7 and 8 and sparse laminae of lighter DIATOM OOZE. Two depositional units characterized by basal SAND over an abrupt contact, fining-upward into SILT and DIATOM-RICH SILTY CLAY are present in section 6 (72-94 cm) and in section 7 (16-39 cm).



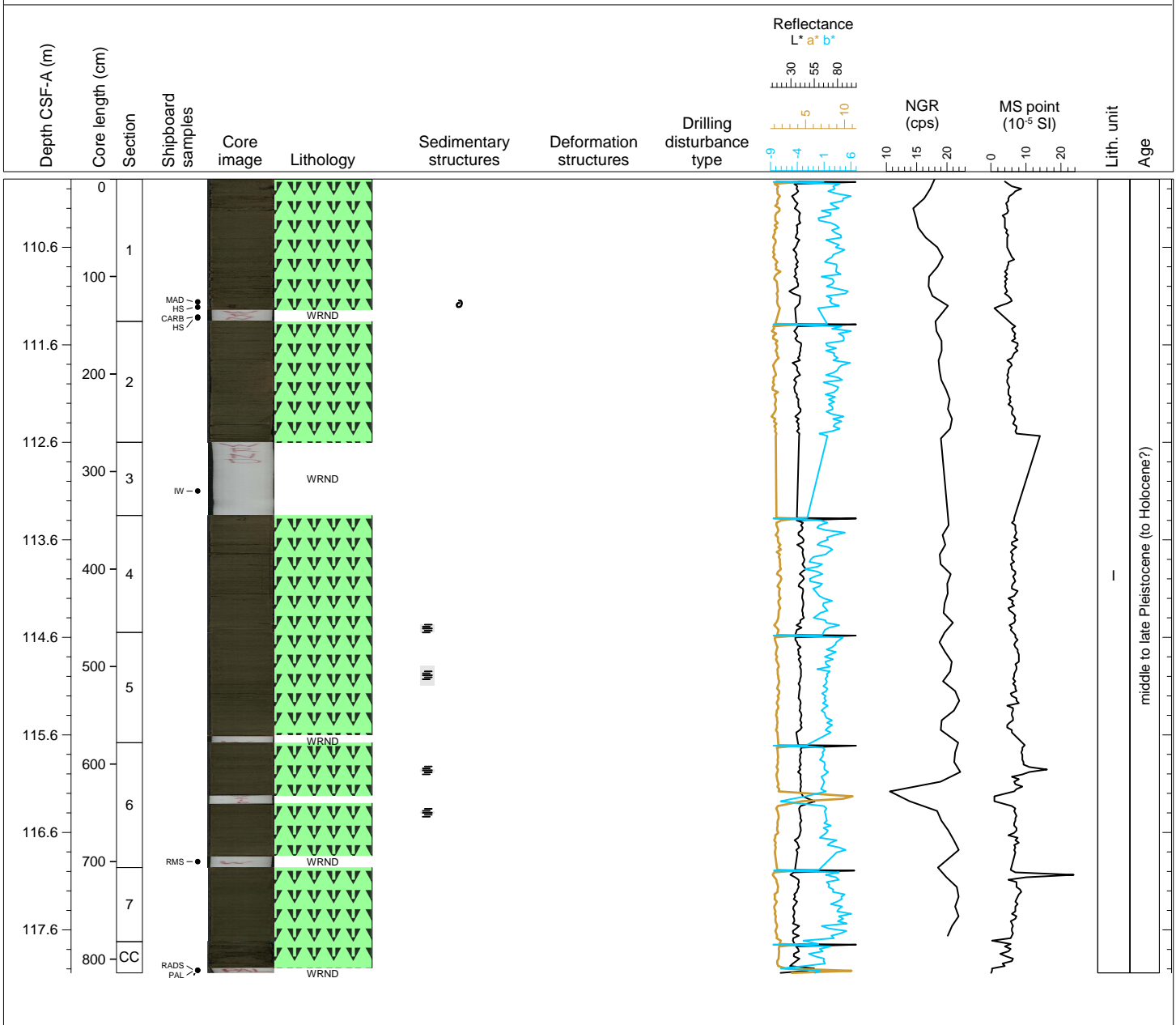
Hole 385-U1549B Core 12H, Interval 100.4-110.1 m (CSF-A)

This core is composed of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE, locally laminated, and sparse lighter laminae of DIATOM OOZE. Two depositional units characterized by basal SAND that fines-upward into SILT and DIATOM-RICH SILTY CLAY are present in section 6 (37-75 cm; 50-65 cm). A thin SILT lamina is present in section 7 at 87-88 cm.



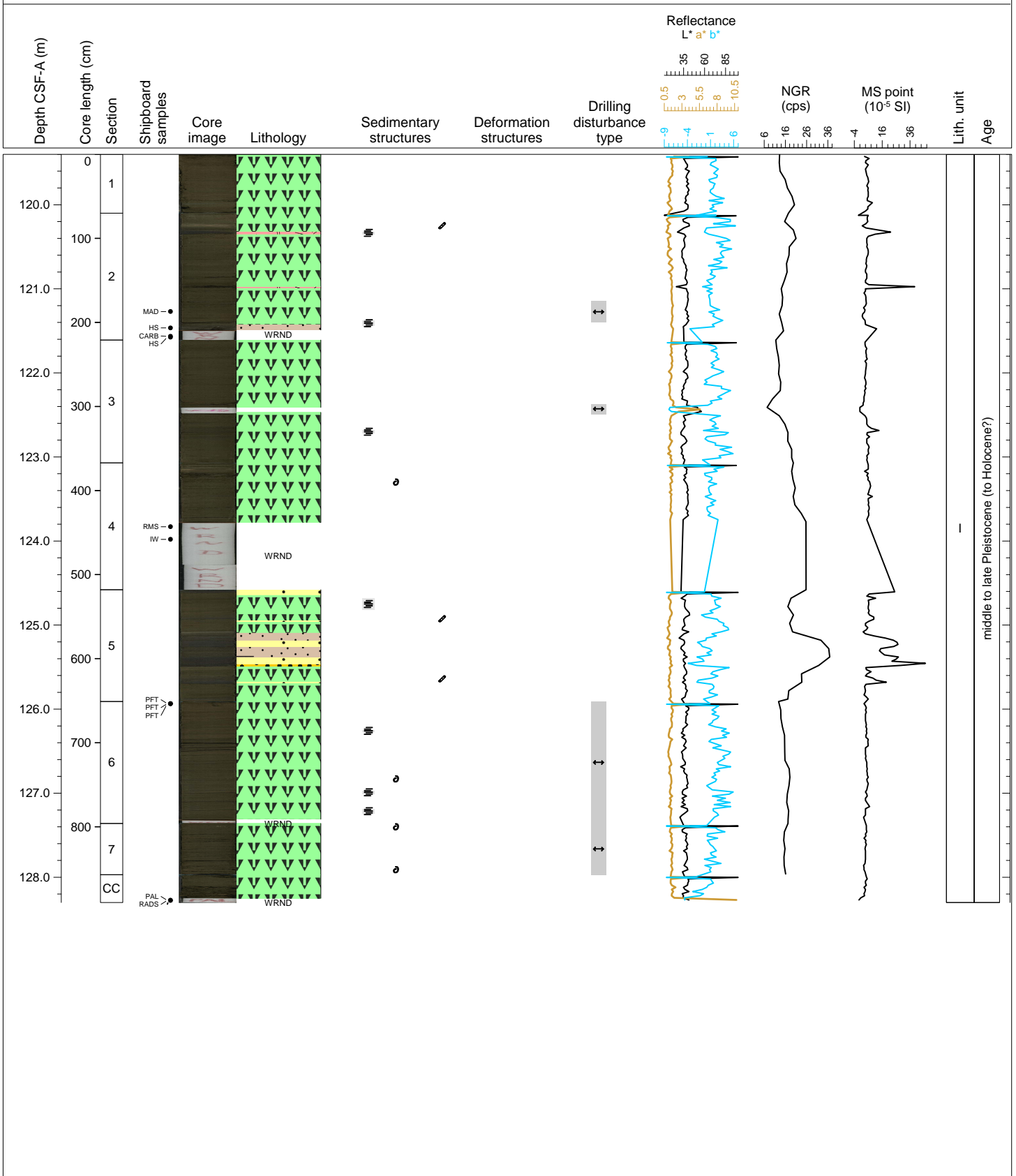
Hole 385-U1549B Core 13H, Interval 109.9-118.04 m (CSF-A)

This core is composed of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Rare intervals of faint laminae are present in sections 4, 5 and 6. A shell fragment is present in section 1 at 128 cm.



Hole 385-U1549B Core 14H, Interval 119.4-128.3 m (CSF-A)

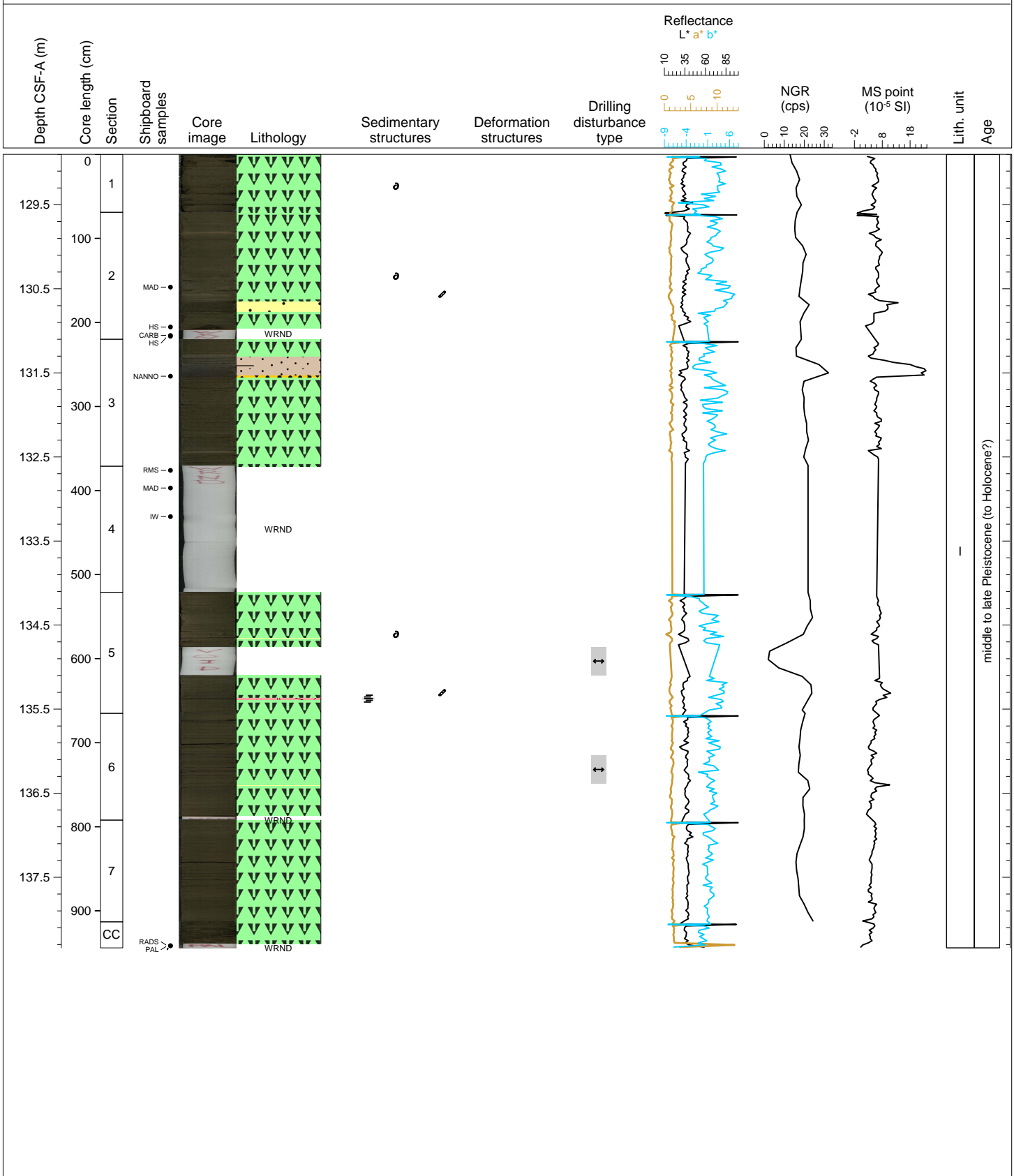
This core consists mainly of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Laminated ASH occurs at 22-25 cm in section 2. A layer of scoria is also present in the same section at 87-89 cm. A complete depositional unit occurs in section 5 (52-92 cm). It is characterized by basal SAND that fines upward into SILT and DIATOM-RICH SILTY CLAY. Burrows occur in section 5 and fragmented shells are sparse in all sections.





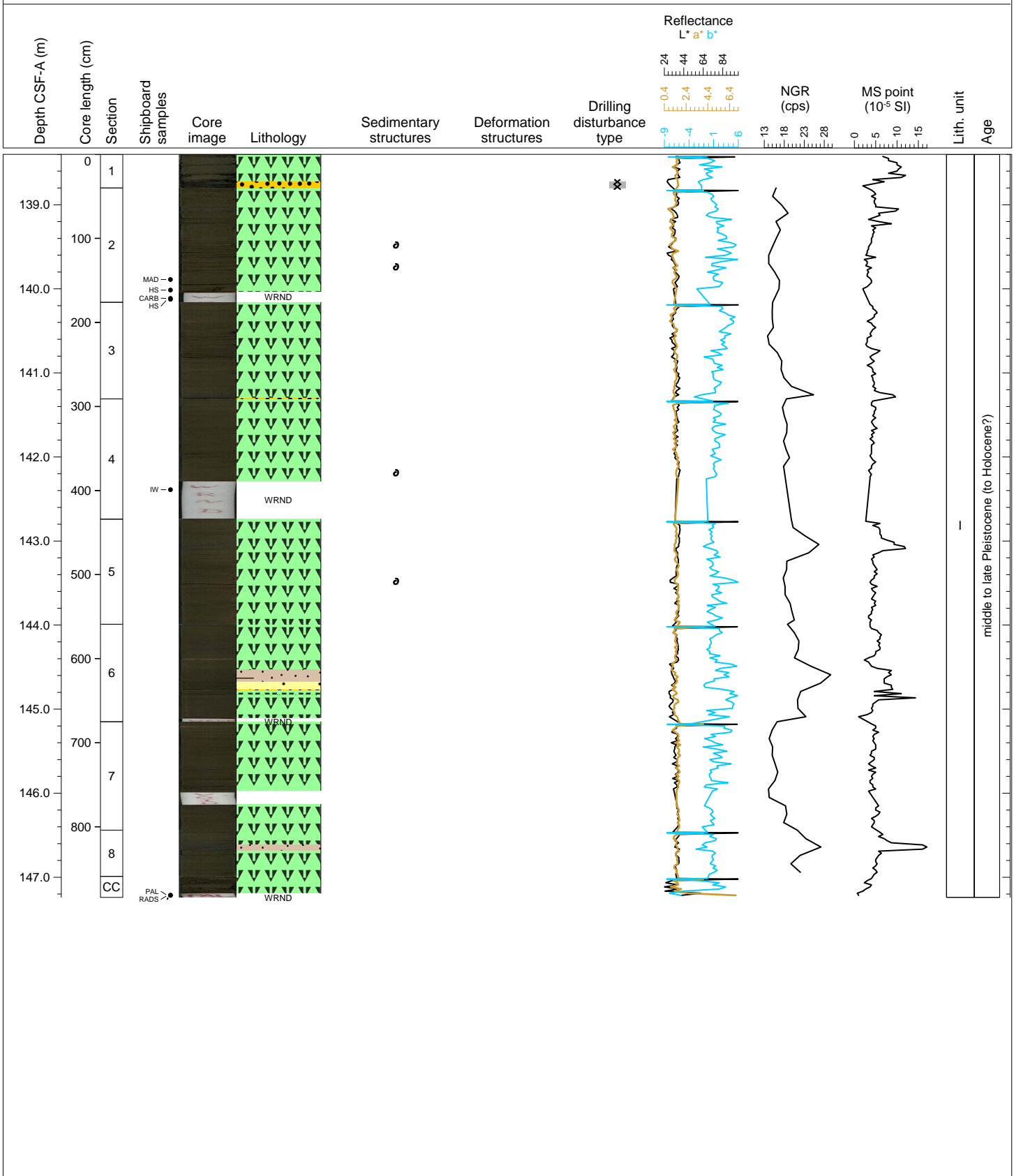
Hole 385-U1549B Core 15H, Interval 128.9-138.34 m (CSF-A)

This core is composed of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with sparse shell fragments and burrows. A complete depositional unit occurs in section 3 (19-45 cm). It is characterized by basal SAND that fine upward into SILT and DIATOM-RICH SILTY CLAY. A thin SILT layer is present in section 6 at 85-86 cm.



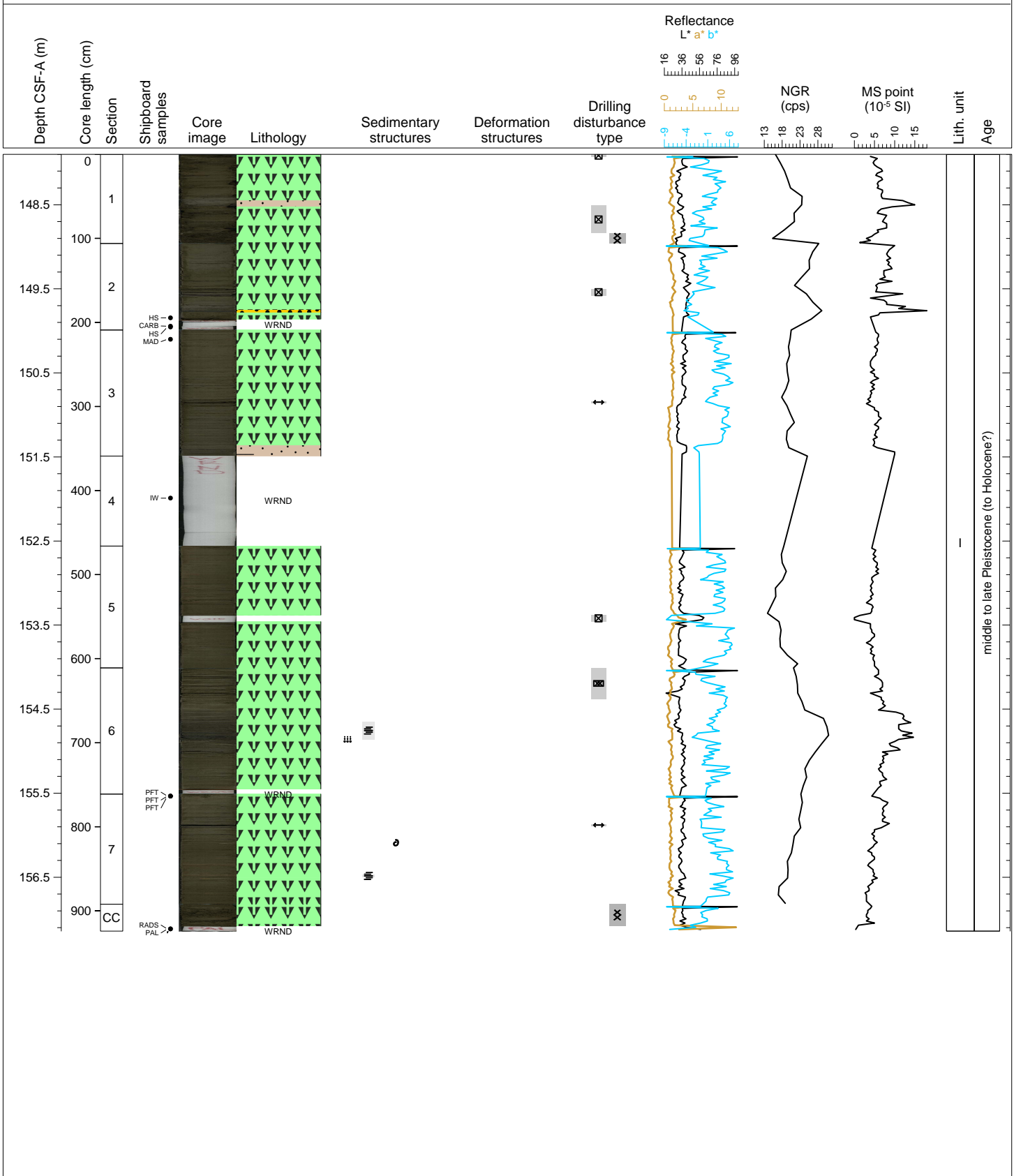
Hole 385-U1549B Core 16H, Interval 138.4-147.24 m (CSF-A)

This core is composed of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with sparse shell fragments. Thin SILT layers are present at 113 cm in section 3 and at 38 cm in section 5. In section 6, a brownish gray (5YR 4/1) SAND (77-78 cm) is overlain by a SILT layer and a CLAYEY SILT forming a fining upward unit about 30-cm thick. In the same section an ASH layer is present at 83 cm. A darker gray layer with a thin lamina of SILT at its base is present in section 8 (17-24 cm).



Hole 385-U1549B Core 17H, Interval 147.9-157.14 m (CSF-A)

This core consists of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with small intervals of grayer of DIATOM-RICH CLAYEY SILT in sections 1 (54-62 cm) and 2 (137-149 cm). In section 6, a 37 cm-thick fining-upward depositional unit is present between 48 and 85 cm. Dark gray (N3) SAND laminae are present in sections 2 (79-82 cm) and 6 (64-85 cm). Shell fragments are present in section 7 (58 cm).



Hole 385-U1549B Core 18H, Interval 157.4-166.8 m (CSF-A)

This core consists of mainly homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with few laminated intervals in sections 1 (12-13 cm), 2 (31-32 cm), 3 (81-98 cm), 5 (86-89 cm, 122-123 cm), 6 (2-3 cm, 18-20 cm, 40-43 cm), 7 (13-20 cm, 66-68 cm) and 8 (20-39 cm). Dark yellowish brown (10YR 4/2) DIATOM-RICH CLAYEY SILT layers are present in sections 3, 7 and 8. Thin depositional units that fine upward into sand to silt occur in sections 3 (81-98 cm) and 7 (66-68 cm). Scoured contacts are present at 62 cm and at 98-99 cm in section 3. Medium dark gray (N4) SAND laminae and patches are present in sections 3 (81-98 cm, 119-121 cm) and 7 (13-20 cm, 66-68 cm). Shell fragments are present in section 3 (111 cm, 113-114 cm).

