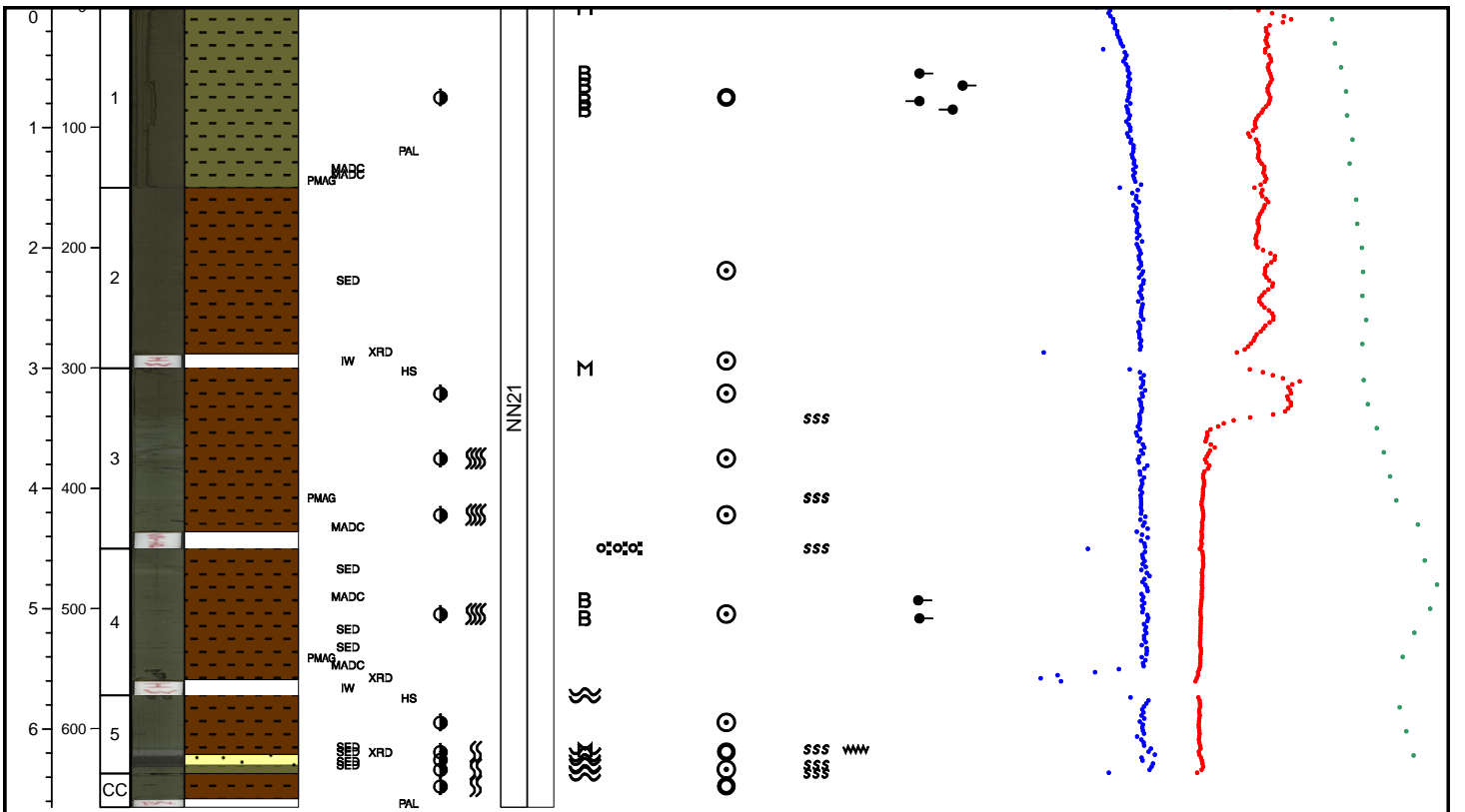
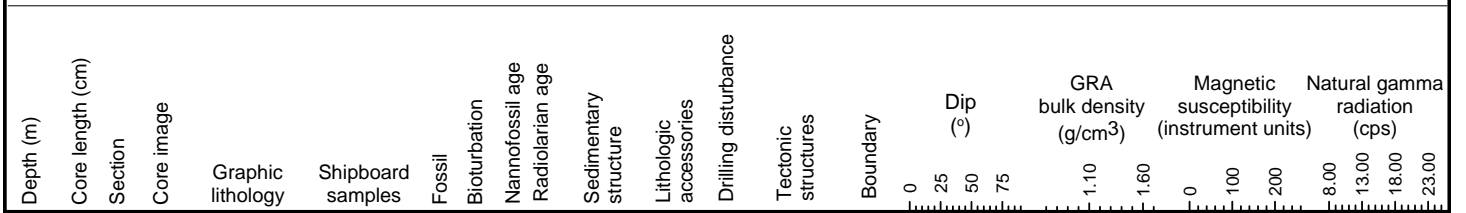


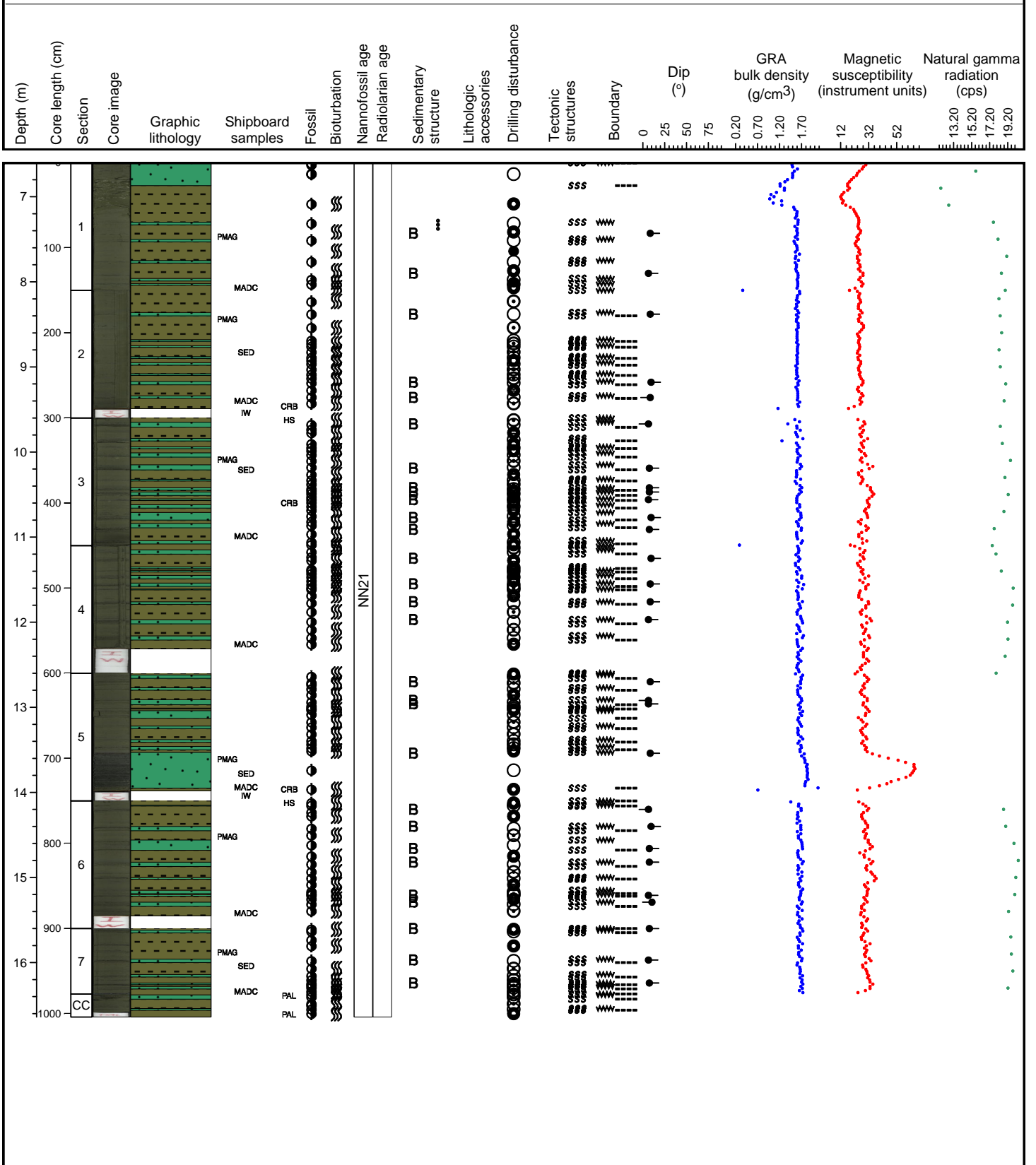
Hole 344-U1413A Core 1H, Interval 0.0-6.65 m (CSF-A)

Olive-green and green-gray clay rich in biogenic components. Most abundant are sand-sized foraminifera that are frequently enriched in pods and laminations. Fish scales and large shell fragments. A wood fragment in section 3 at 126 cm. Section 4 contains laminated 10 cm thick turbidite layer rich in sapropel and glauconite. Overlain by light-colored greenish clay with might have ash. Some light-colored ash pod in section 4 at 17 cm.



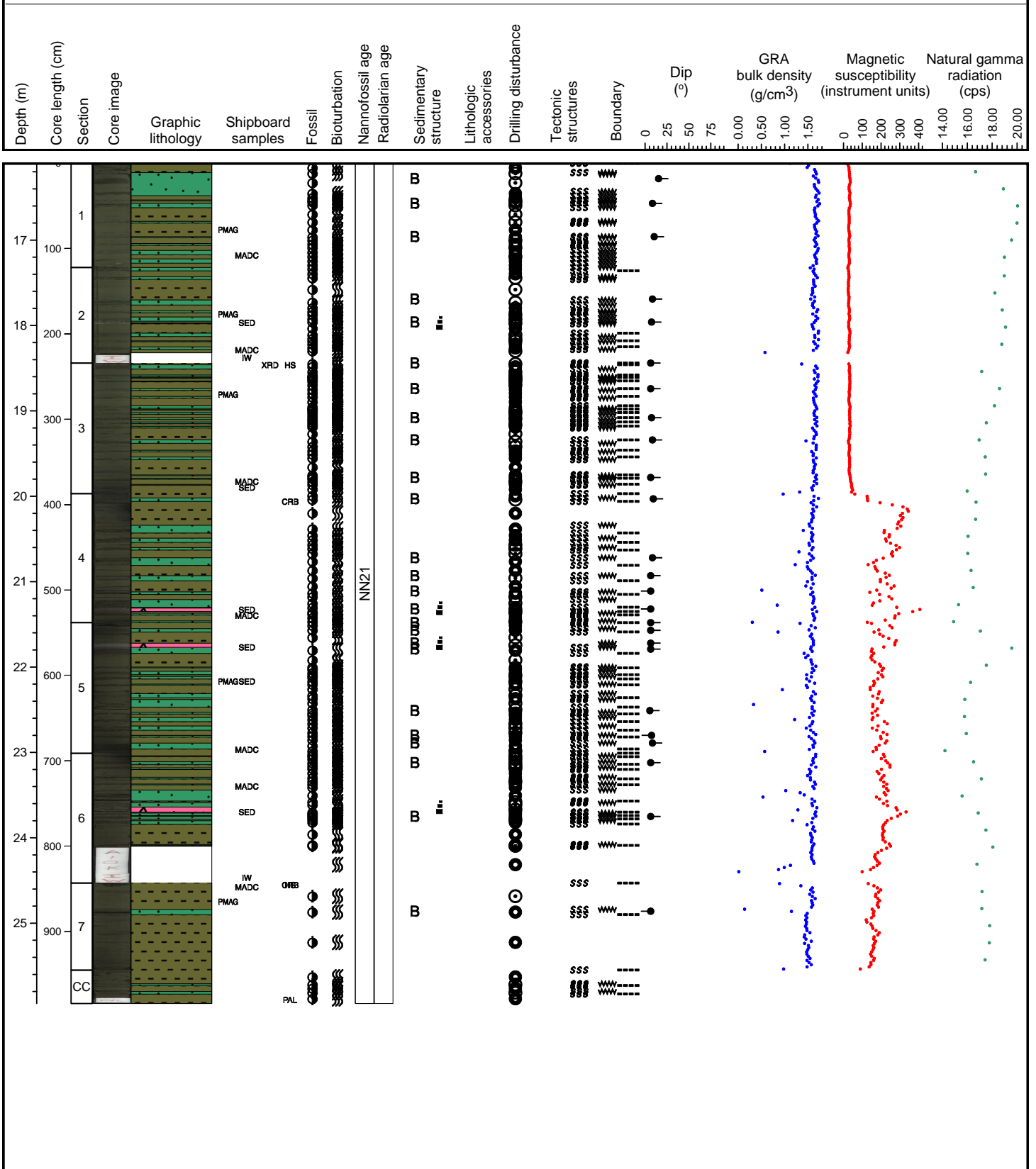
Hole 344-U1413A Core 2H, Interval 6.6-16.64 m (CSF-A)

Greenish-gray, moderately bioturbated, silty clay, rich in cm-sized, dark grey fine sand sequences built up by sand laminae rich in biogenic components (forams, diatoms, radiolarians, some nannos) and terrigenous matter (magmatic crystals, glass, lithic fragments, glauconite). The matrix is composed of the same components like the fine sandy parts. Section 5 contains a 40 cm thick laminated turbidite layer rich in sapropel at the top.



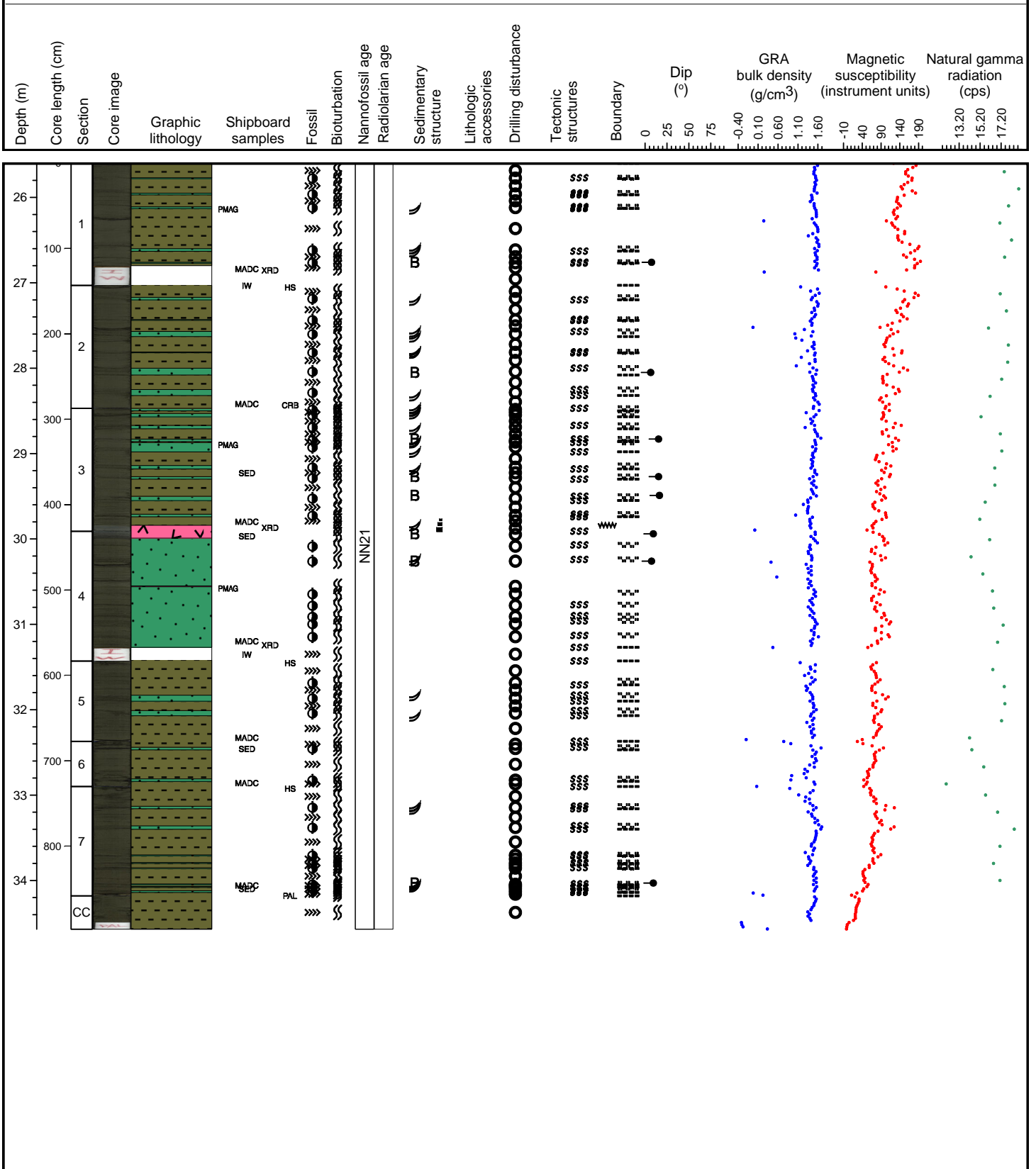
Hole 344-U1413A Core 3H, Interval 16.1-25.94 m (CSF-A)

Greenish-gray, moderately bioturbated, silty clay, rich in cm-sized, dark grey fine sand sequences built up by sand laminae rich in biogenic components (forams, diatoms, radiolarians, some nannos) and terrigenous matter (magmatic crystals, glass, lithic fragments, glauconite). The matrix is composed of the same components like the fine sandy parts. Four white to light grey, very fine grained tephra layers in section 2 (65 to 66), 4 (134 to 138), 5 (24 to 29) and 6 (63 to 69).



Hole 344-U1413A Core 4H, Interval 25.6-34.57 m (CSF-A)

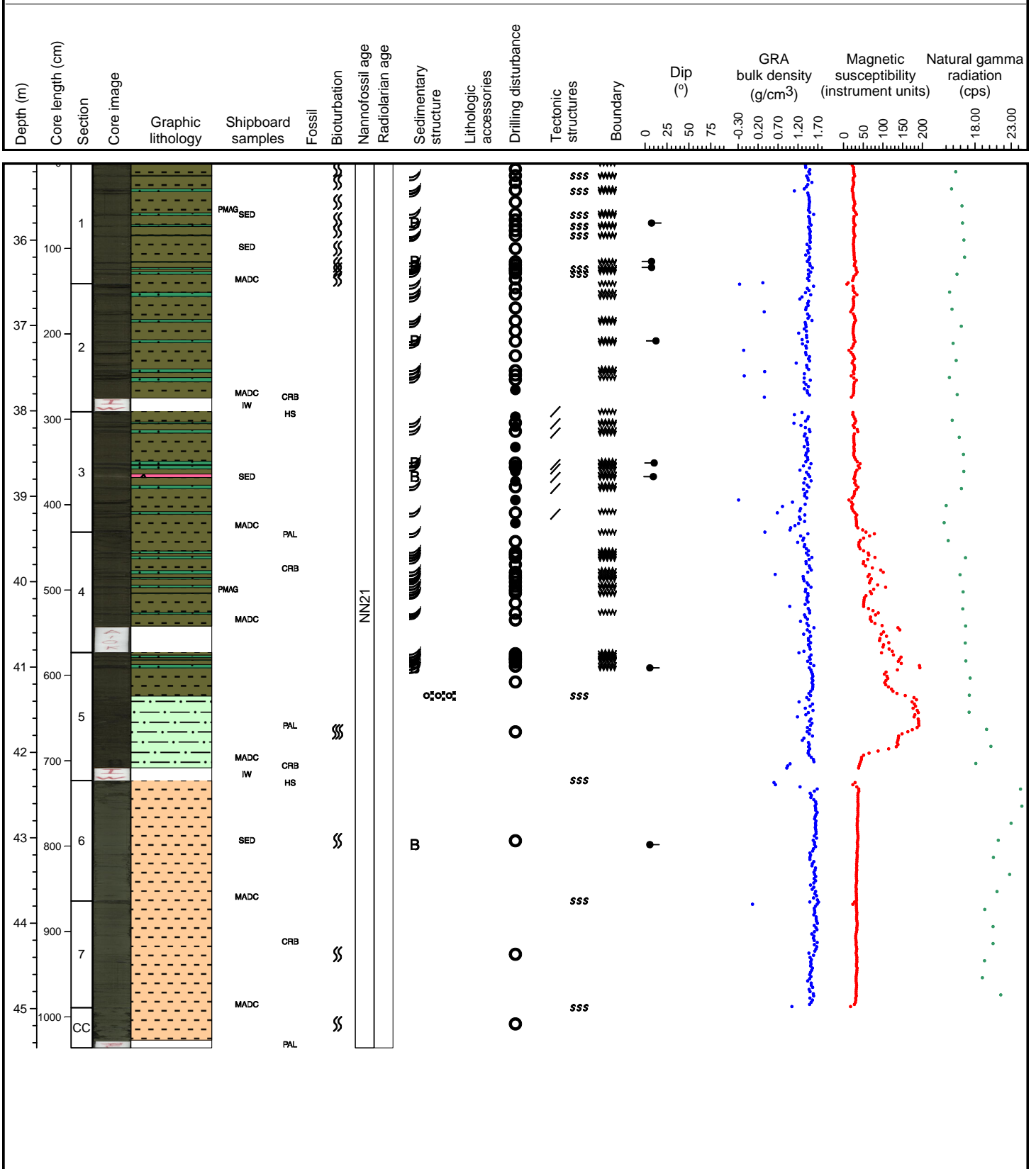
Massive greenish gray silty clay with abundant cm-sized dark grey fine sand sequences rich in biogenic components (forams, diatoms, radiolarians and some nannos) and terrigenous matter (magmatic crystals, glass, lithic fragments, glauconite). The matrix is composed of the same components as the fine sandy layers, but in the biogenic components the diatoms are dominant. Sporadic ash pod, sapropel and shell fragments. Tephra layers in section 3 (137 to 144) continues in section 4 (0 to 8.) Another layer in section 4 at 64 to 65.





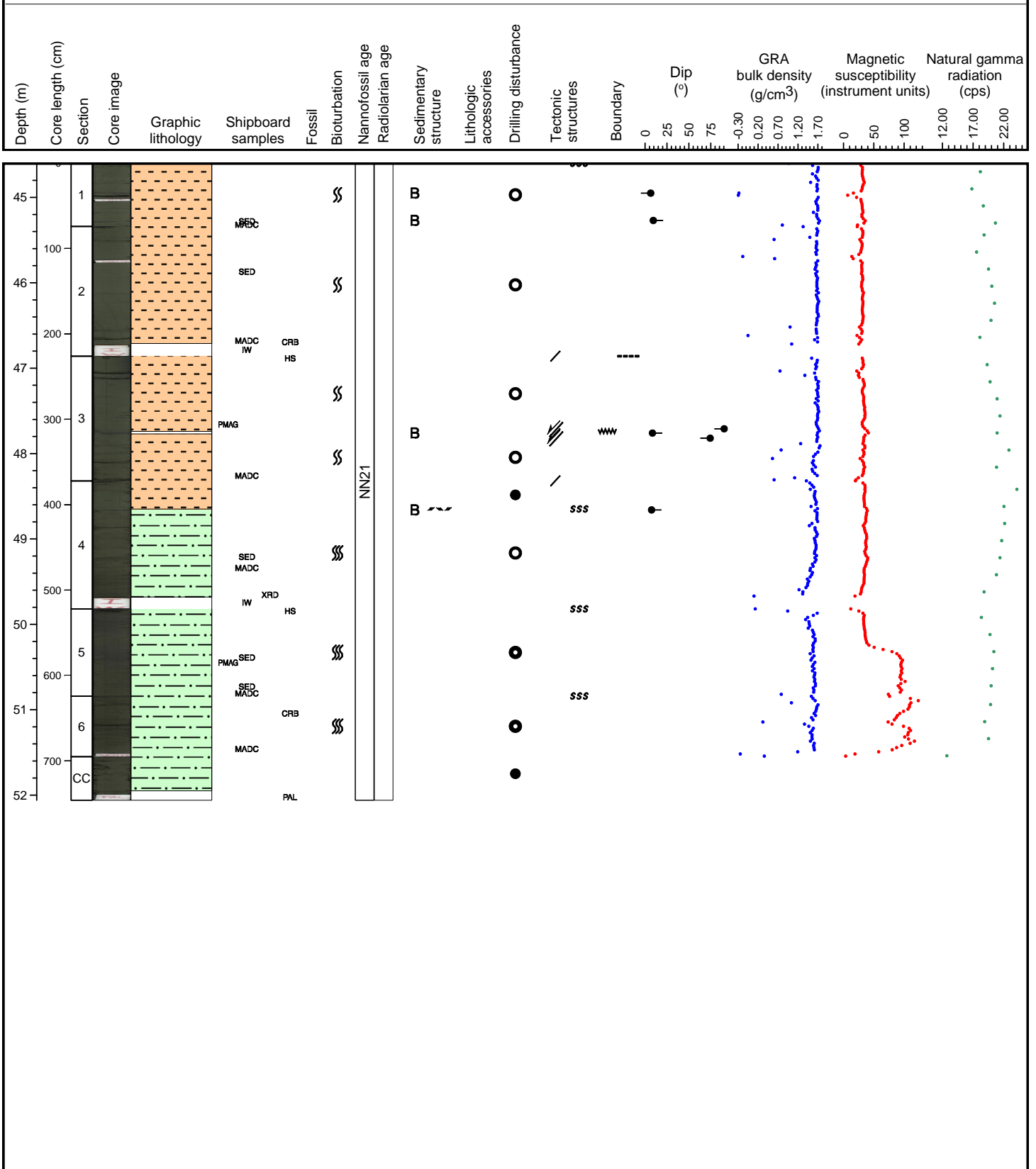
Hole 344-U1413A Core 5H, Interval 35.1-45.46 m (CSF-A)

Massive greenish gray silty clay with abundant cm-sized dark greenish gray fine sand sequences rich in foraminifera and other biogenic and terrigenous components (diatoms, radiolarians and some nannofossils, magmatic crystals, glass, lithic fragments, glauconite). Below section 4, clay dominates and silty-sandy components are rare and enriched in fine laminations. Clay matrix is calcareous throughout.



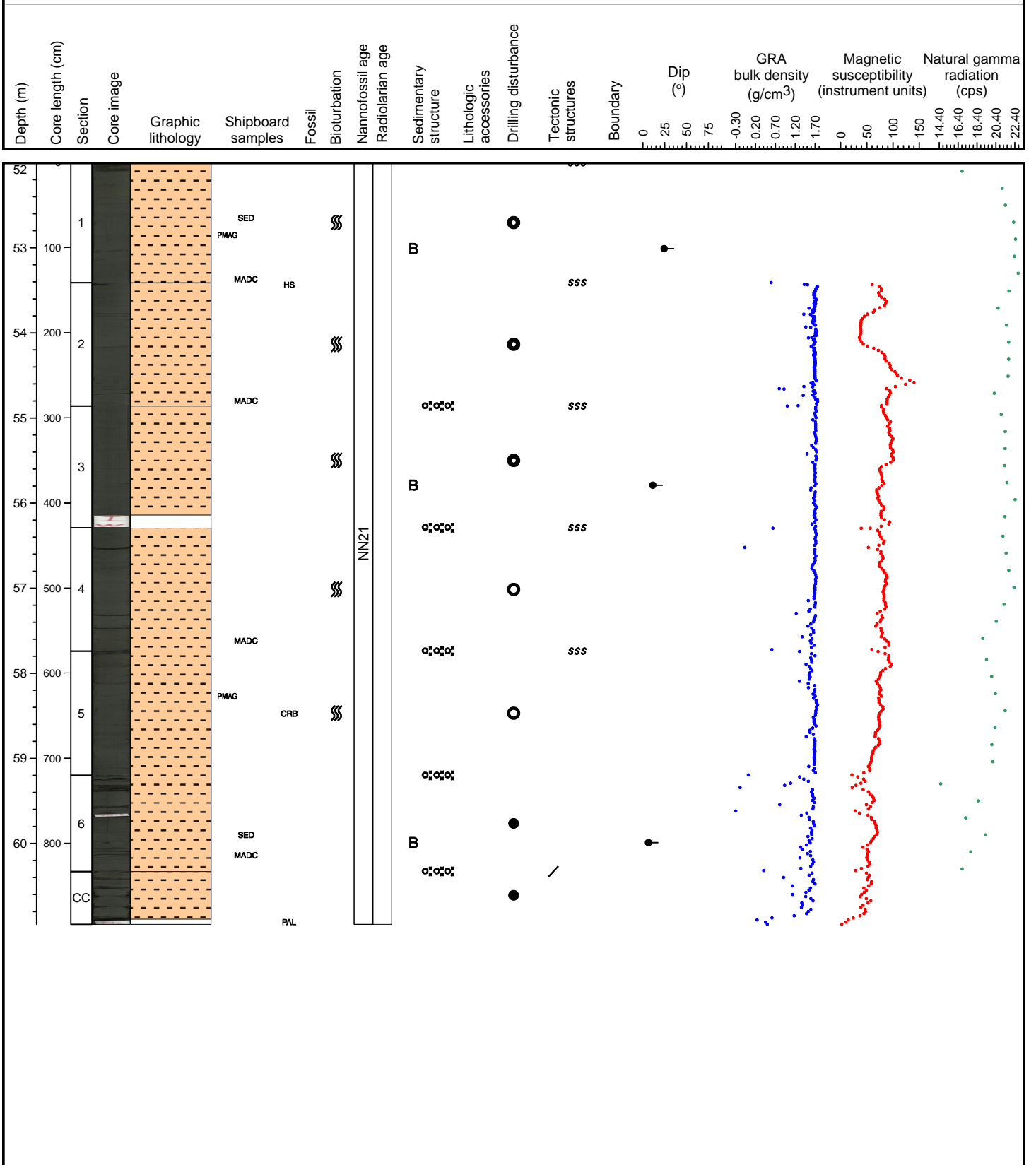
Hole 344-U1413A Core 6H, Interval 44.6-52.06 m (CSF-A)

Greenish gray calcareous clay with wisps and laminations of silt distributed through core. Turbidite sequence in section 3 at 88-91 cm. Transitional change in section 4 towards calcareous clayey silt. Biogenic components (fish scales, shells) and occasional wood fragments.



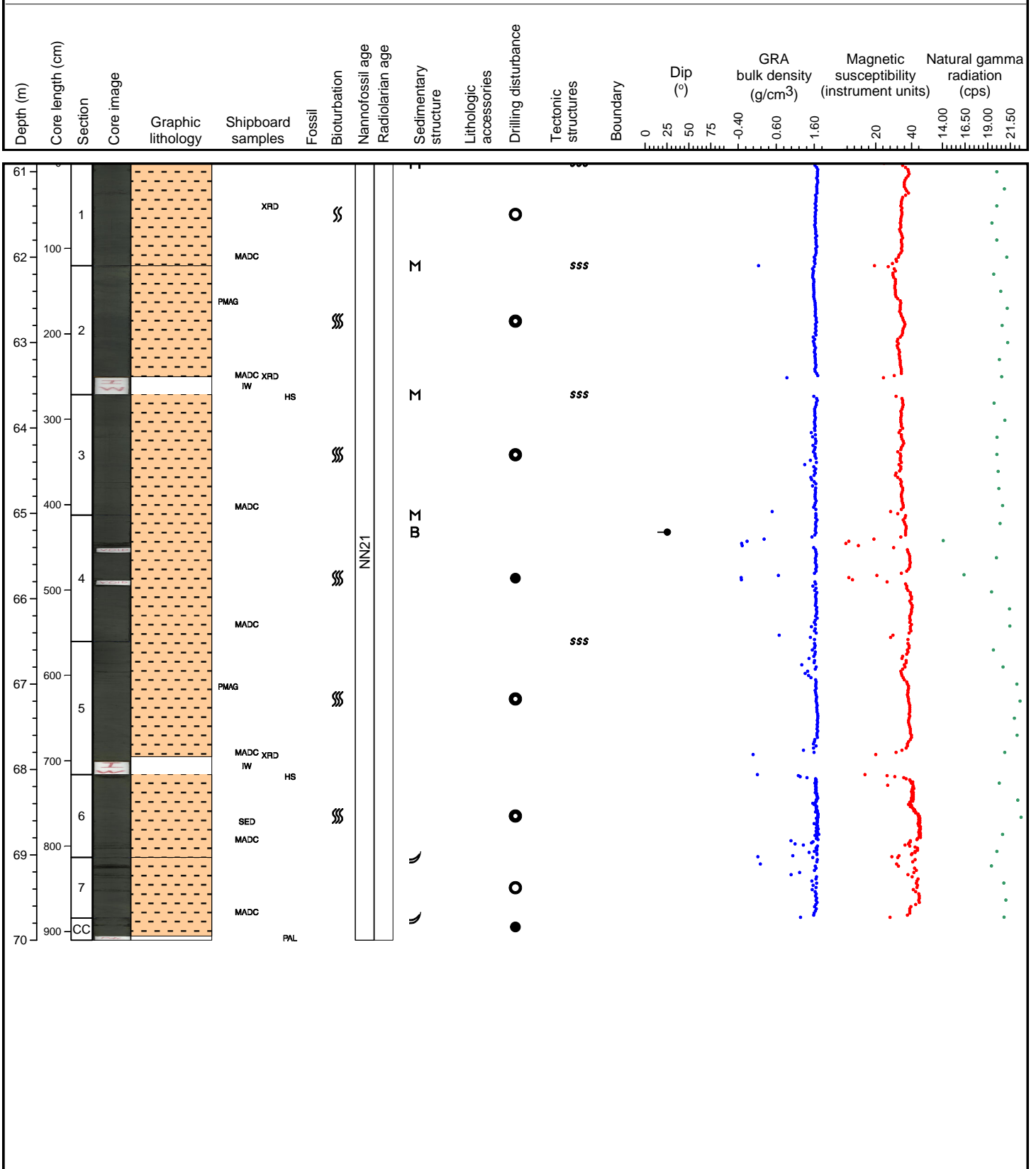
Hole 344-U1413A Core 7H, Interval 52.0-60.95 m (CSF-A)

Greenish gray calcareous clay with mm-thick wisps and laminations of silt distributed through core. Biogenic components and occasional wood fragments. Cm-sized wood fragment in section 6 at 78 cm.



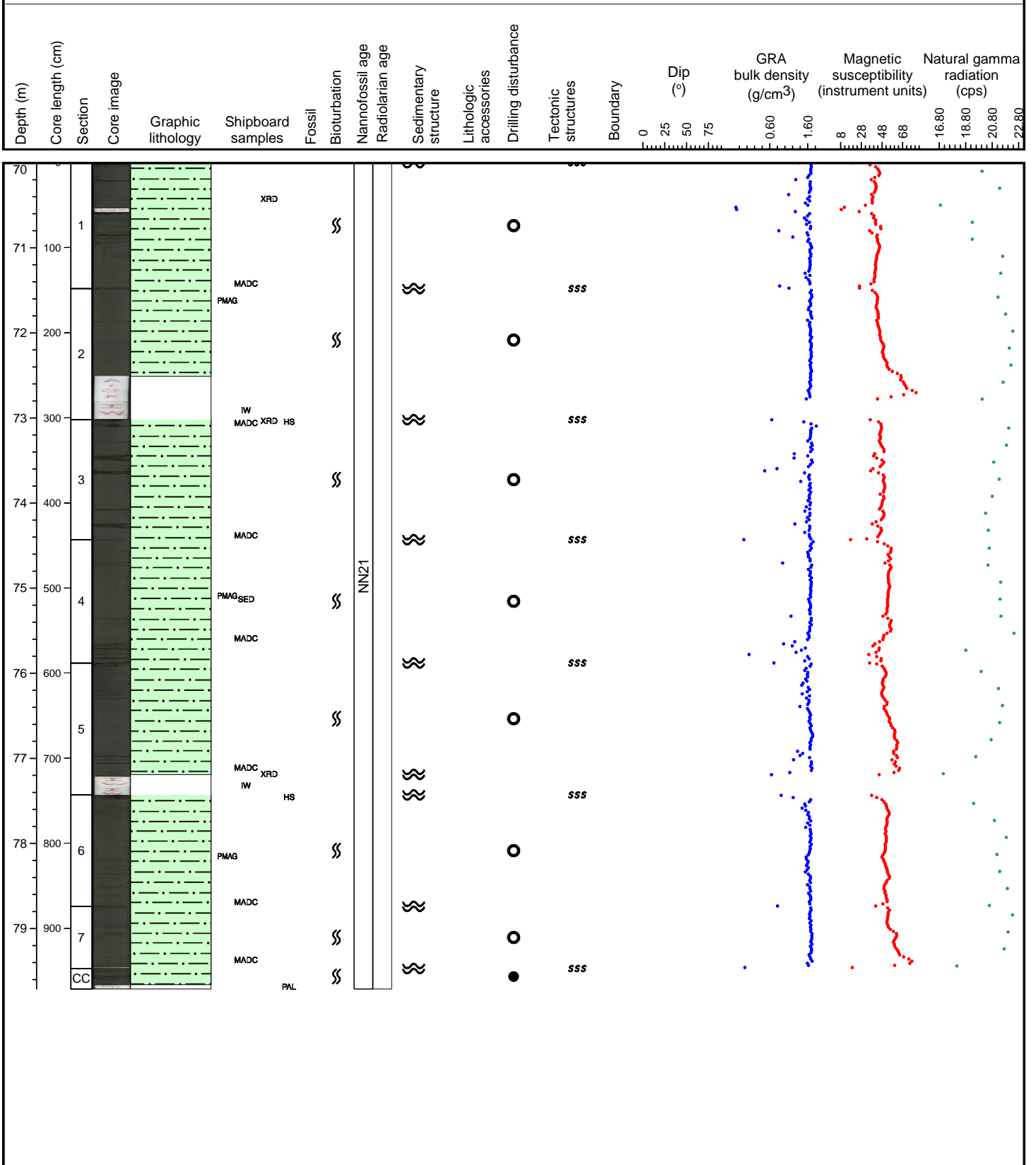
Hole 344-U1413A Core 8H, Interval 60.9-70.0 m (CSF-A)

Greenish gray massive calcareous clay with mm-thin wisps and laminations of silt distributed through core. Biogenic components and occasional wood fragments. Slightly marbledized by bioturbation.



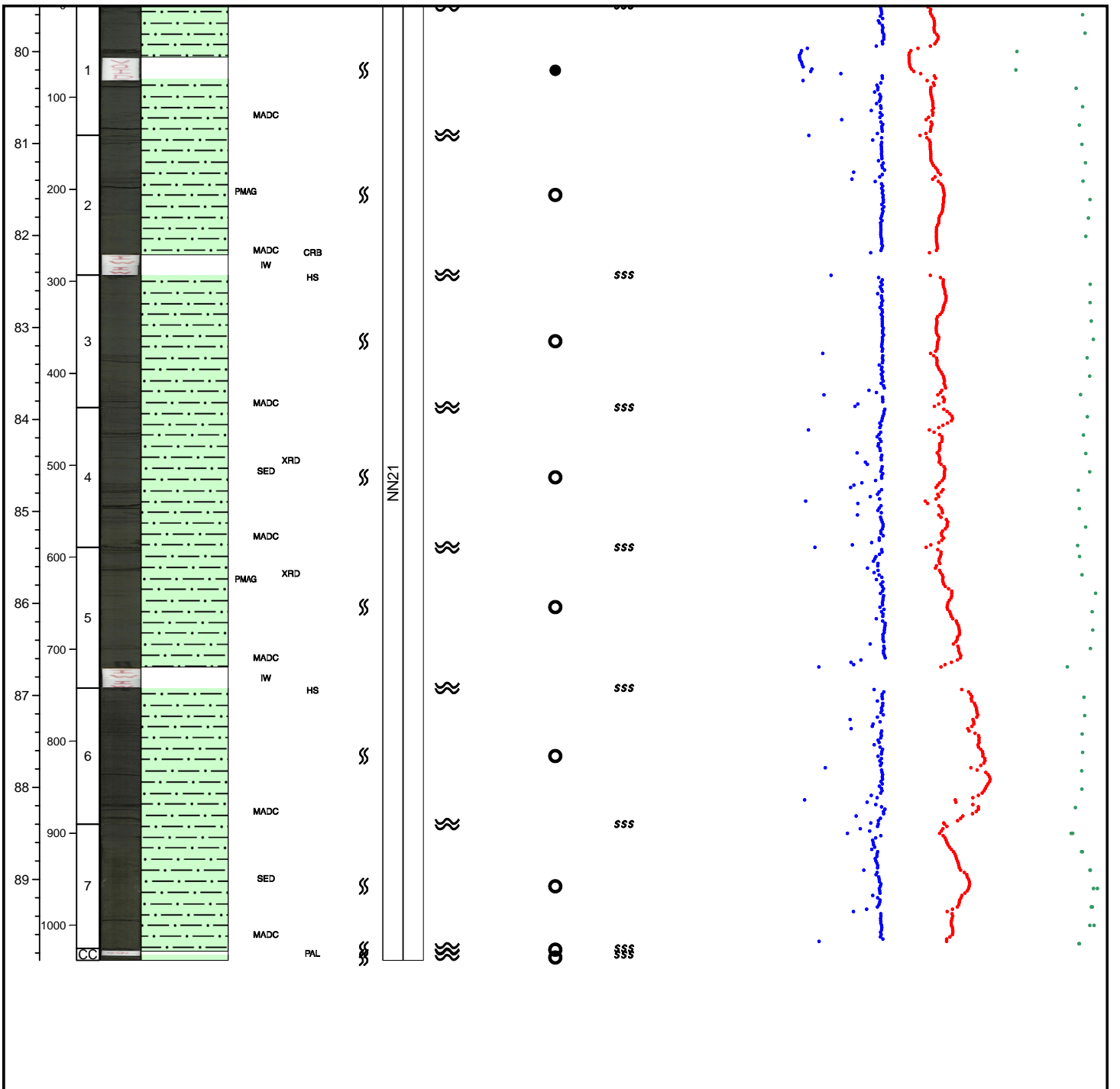
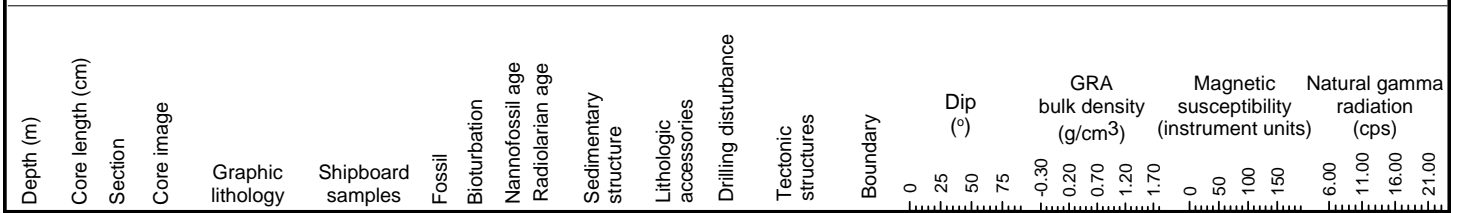
Hole 344-U1413A Core 9H, Interval 70.0-79.71 m (CSF-A)

Dark greenish gray calcareous clayed silt with abundant biogenic components such as fish scales, foraminifera and shell fragments. Wood splinters are frequent. Fine laminations through enrichment of silt in mm-thin layers. Slightly bioturbated.



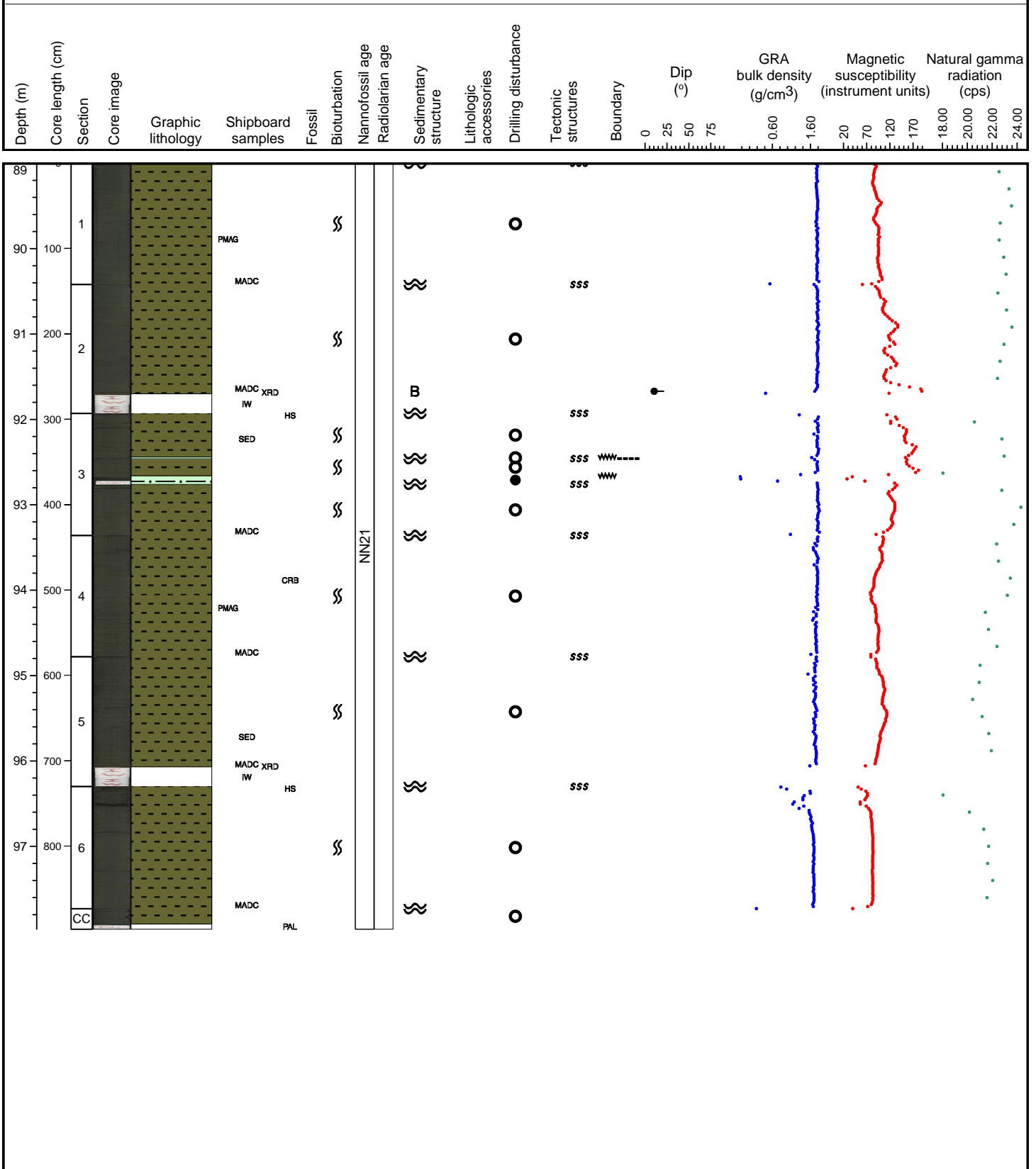
Hole 344-U1413A Core 10H, Interval 79.5-89.88 m (CSF-A)

Dark greenish gray calcareous clayey silt with abundant biogenic components such as fish scales, foraminifera and shell fragments. Wood splinters are frequent. Rare laminations through enrichment of silt in mm-thin layers. Slightly bioturbated. Some ash pods in section 7 at 50-70 cm.



Hole 344-U1413A Core 11H, Interval 89.0-97.97 m (CSF-A)

Dark greenish gray calcareous silty clay with abundant biogenic components such as fish scales, foraminifera and shell fragments at the top of the core, their amount decreasing after section 4. Slightly bioturbated. Wood splinters present in the two first sections. Rare laminations through enrichment of silt in mm-thin layers to cm-thick in section 3.

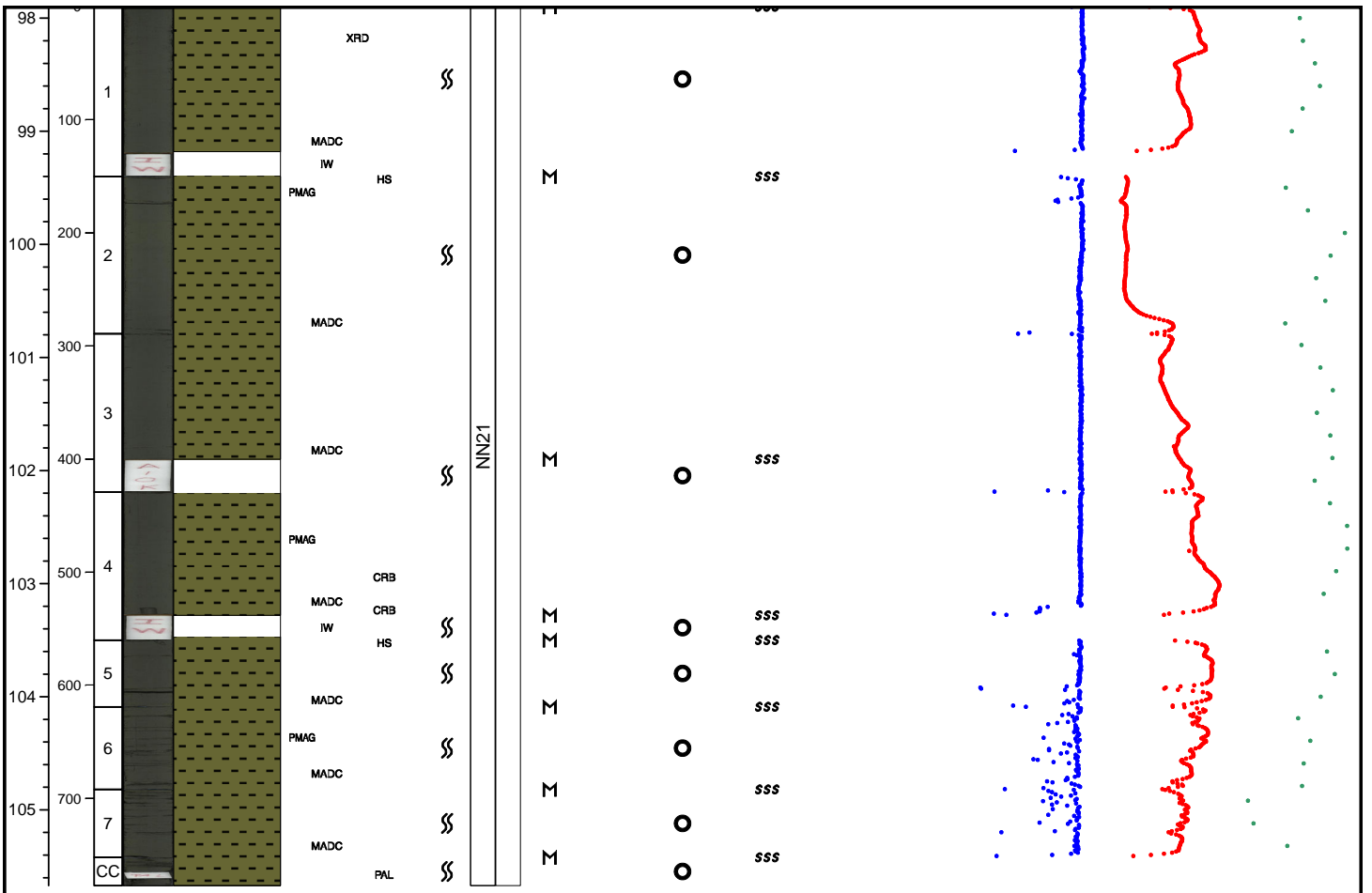




Hole 344-U1413A Core 12H, Interval 97.9-105.67 m (CSF-A)

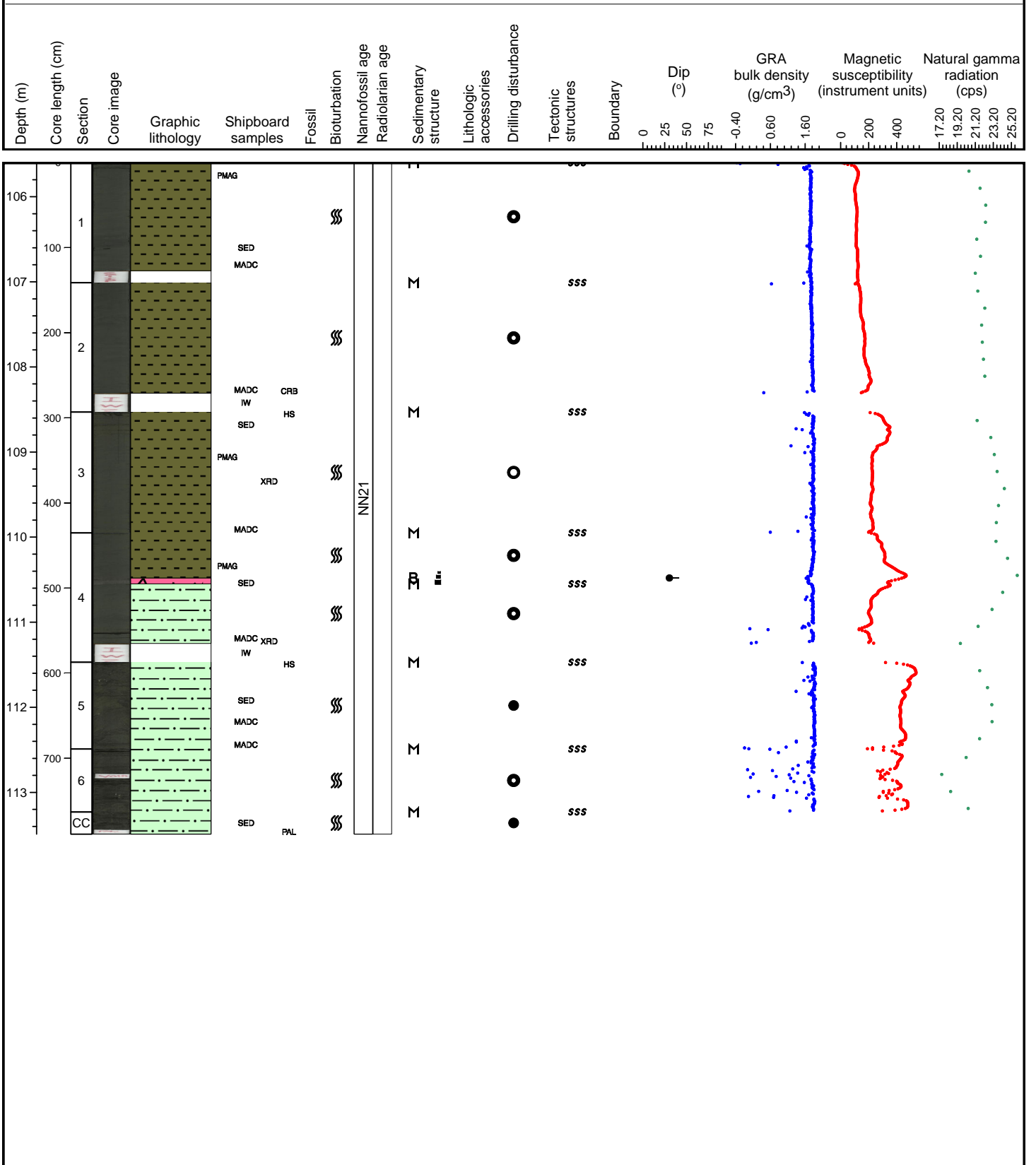
Dark greenish gray, massive, calcareous silty clay with rare biogenic components such as fish scales, foraminifera and shell fragments getting slightly more abundant toward the base of the core. Slightly bioturbated and matrix is dominated by terrigenous components.

Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)	Natural gamma radiation (cps)



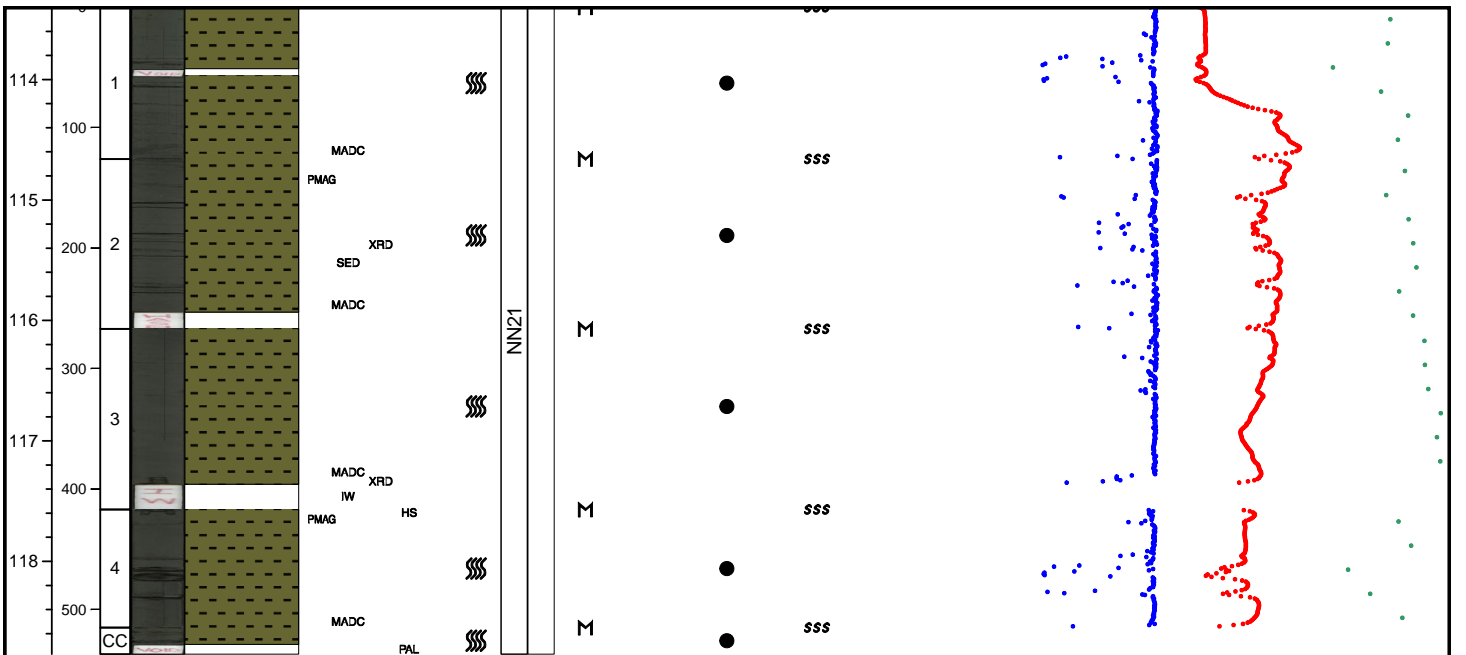
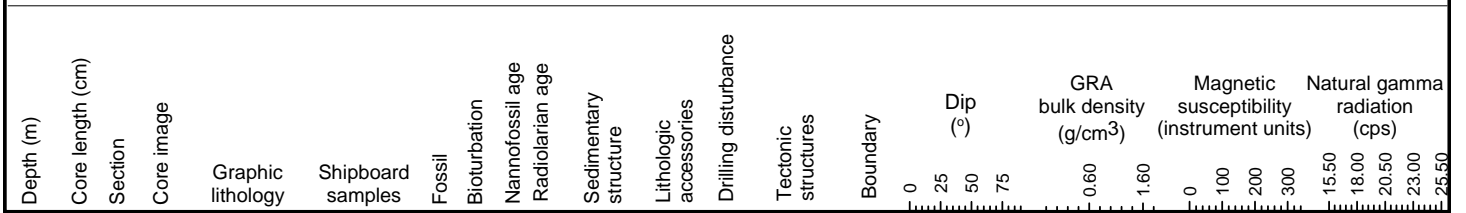
Hole 344-U1413A Core 13H, Interval 105.6-113.49 m (CSF-A)

Dark greenish gray, massive, calcareous silty clay with rare biogenic components such as fish scales, foraminifera and shell fragments getting slightly more abundant toward the base of the core. Slightly bioturbated and matrix is dominated by terrigenous components. Biogenic components are forams and diatom fragments, sponge spicules and nannos. Fine grained tephra layer in section 4 (53 to 60 cm.)



Hole 344-U1413A Core 14H, Interval 113.4-118.77 m (CSF-A)

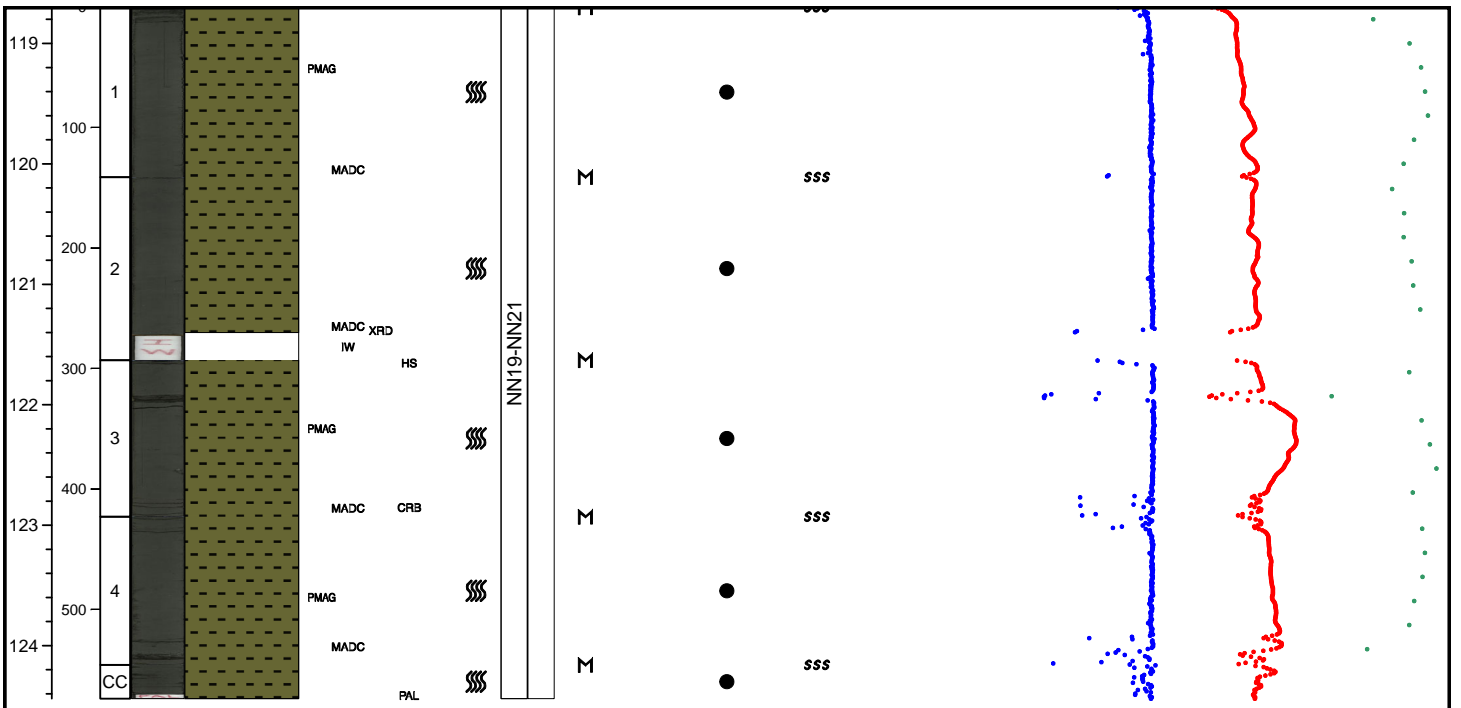
Dark greenish gray, massive, slightly calcareous, silty clay with common biogenic components such as fish scales, foraminifera and shell fragments. Common bioturbated and matrix is dominated by terrigenous components. Biogenic components are forams and diatom fragments, sponge spicules and nannos.



Hole 344-U1413A Core 15H, Interval 118.7-124.44 m (CSF-A)

Dark greenish gray, massive, slightly calcareous, silty clay with common biogenic components such as fish scales, foraminifera and shell fragments. Common bioturbated and matrix is dominated by terrigenous components. Biogenic components are forams and diatom fragments, sponge spicules and nannos.

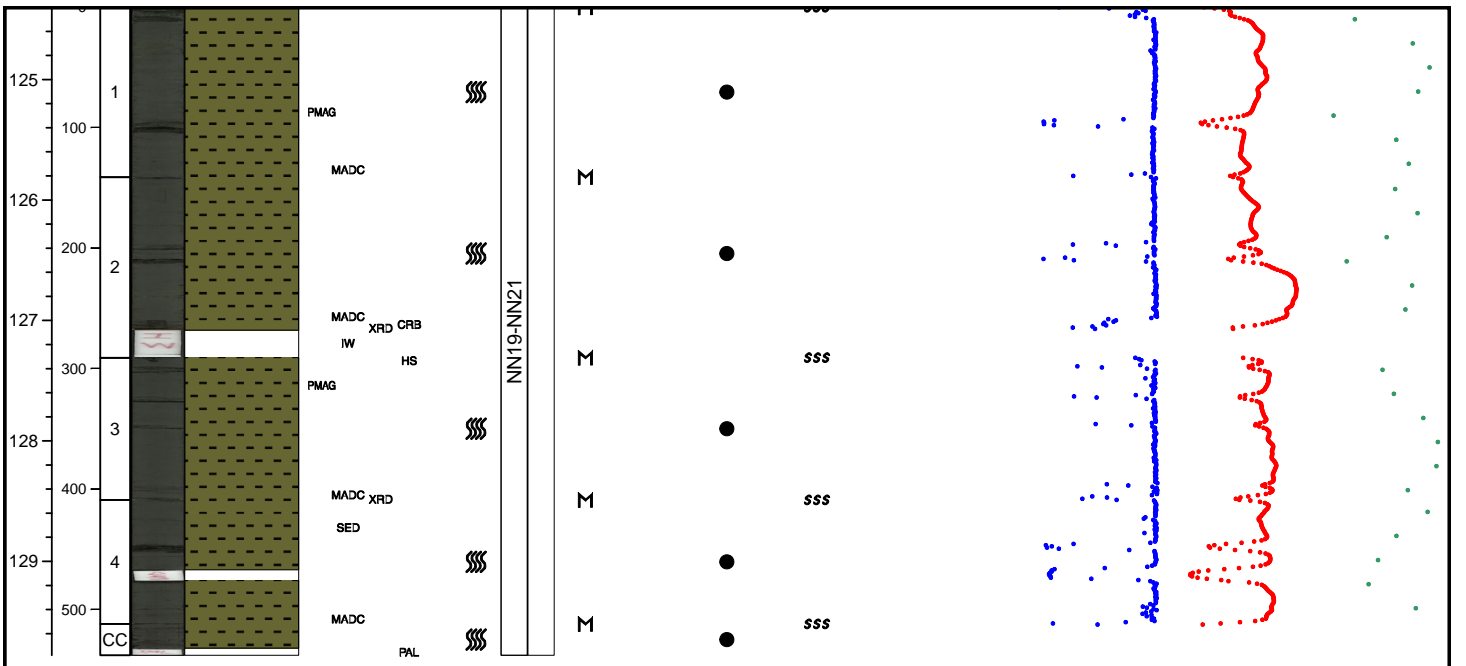
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )		Magnetic susceptibility (instrument units)		Natural gamma radiation (cps)	
																0.60	1.60	0	100	200	300



Hole 344-U1413A Core 16H, Interval 124.4-129.78 m (CSF-A)

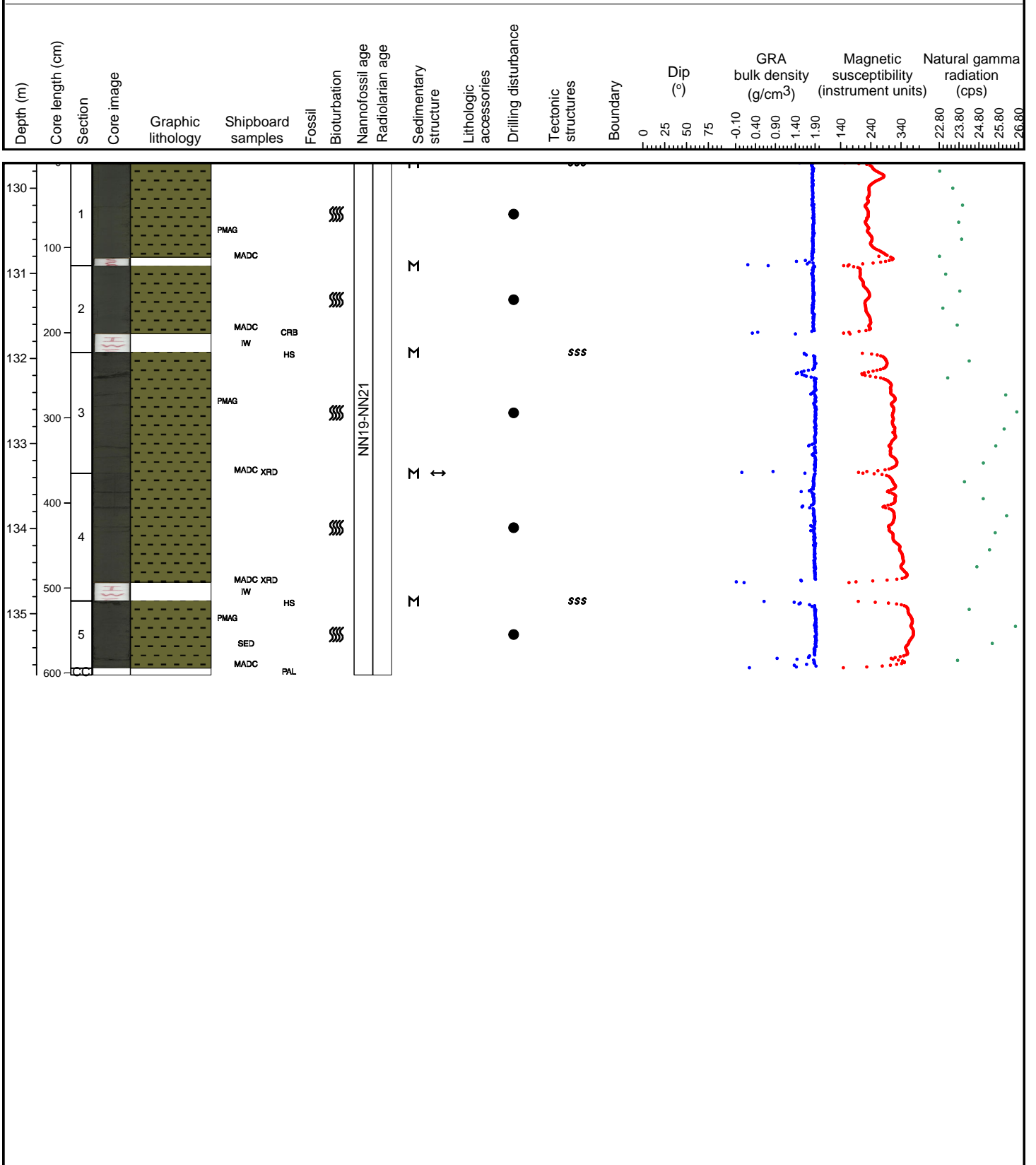
Dark greenish gray, massive, slightly calcareous, silty clay with common biogenic components such as fish scales, foraminifera and shell fragments. Common bioturbated and matrix is dominated by terrigenous components. Biogenic components are forams and diatom fragments, sponge spicules and nannos.

Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)	Natural gamma radiation (cps)
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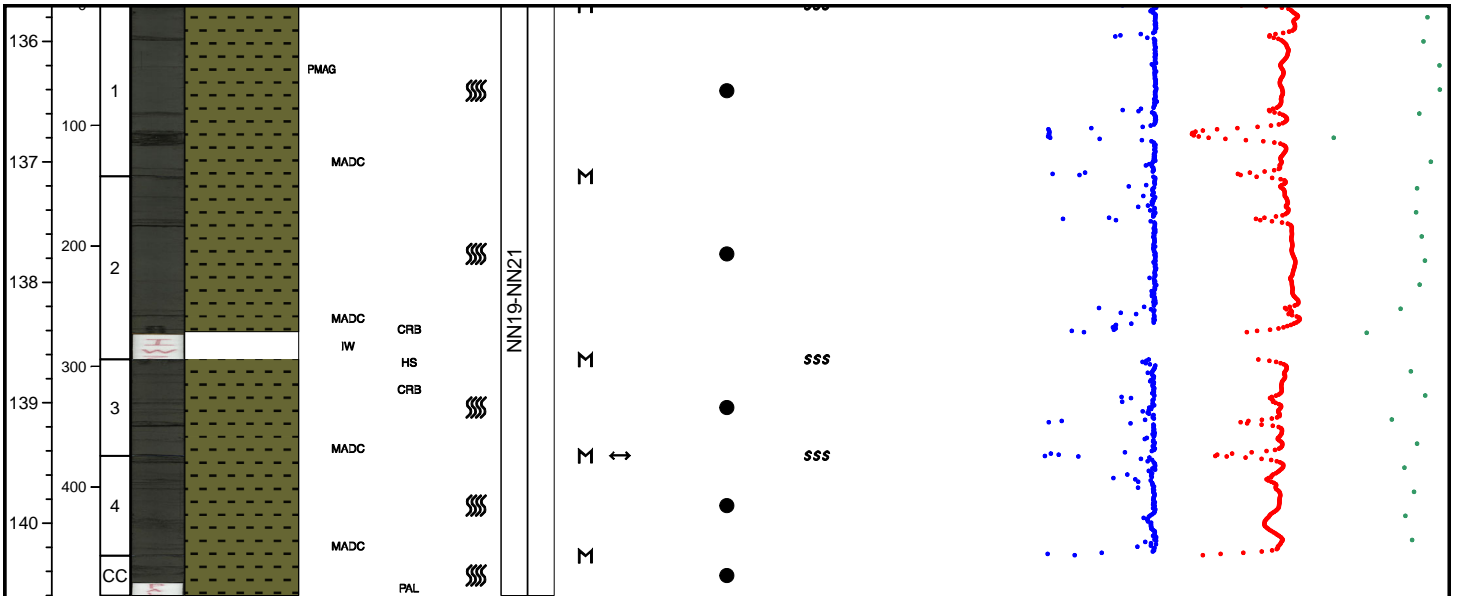
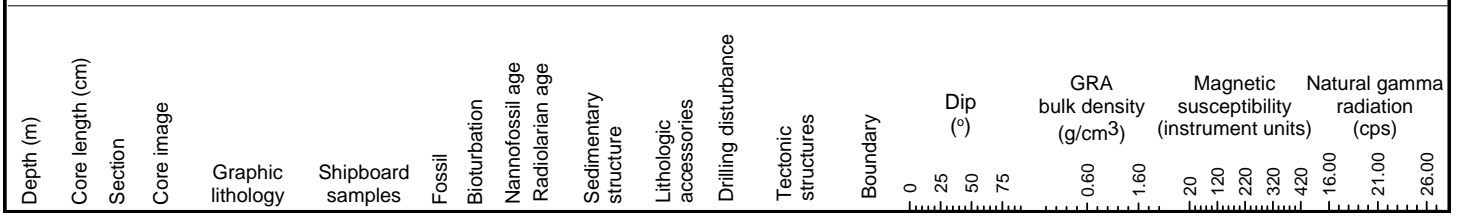
Hole 344-U1413A Core 17H, Interval 129.7-135.72 m (CSF-A)

Dark greenish gray, massive, slightly calcareous, silty clay with common biogenic components such as fish scales, foraminifera and shell fragments. Common bioturbated and matrix is dominated by terrigenous components. Biogenic components are forams and diatom fragments, sponge spicules and nannos.



Hole 344-U1413A Core 18H, Interval 135.7-140.6 m (CSF-A)

Dark greenish gray, massive, slightly calcareous, silty clay with common biogenic components such as fish scales, foraminifera and shell fragments. Common bioturbated and matrix is dominated by terrigenous components. Biogenic components are forams and diatom fragments, sponge spicules and nannos.

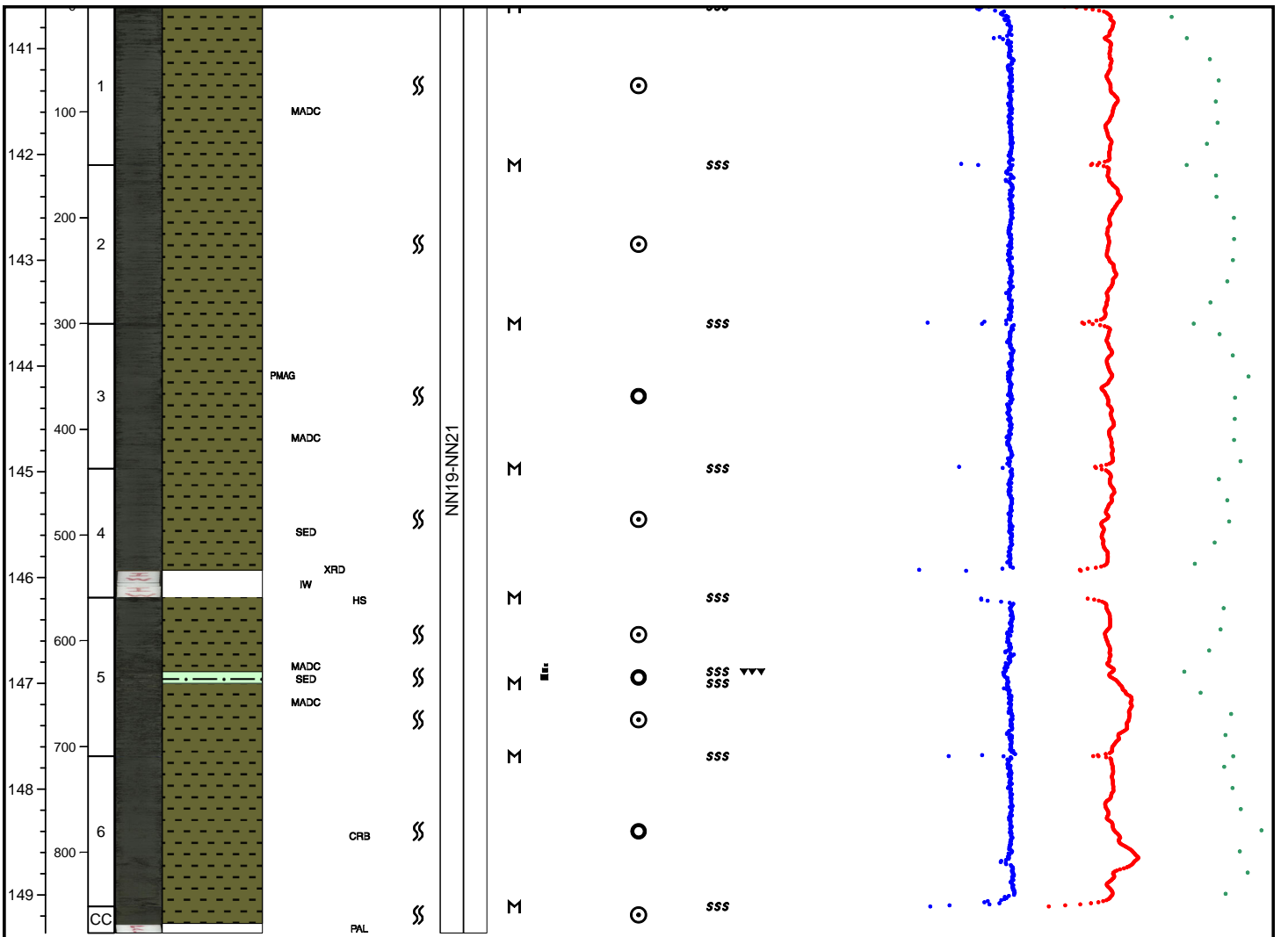




Hole 344-U1413A Core 19X, Interval 140.6-149.36 m (CSF-A)

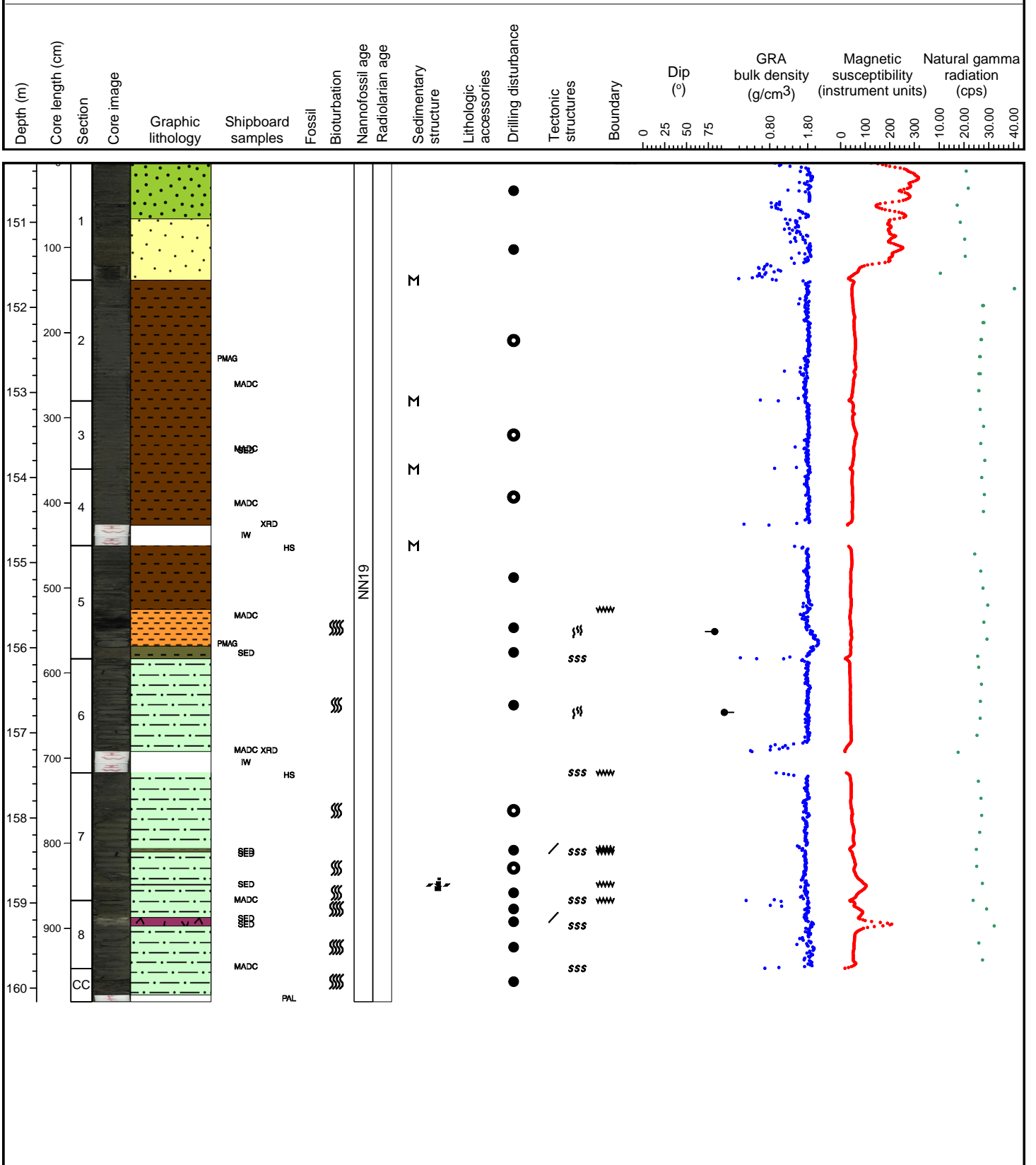
Dark greenish gray, massive, slightly calcareous, silty clay with common biogenic components such as fish scales, foraminifera and shell fragments. Bioturbation. In section 5 at 70-81 cm, a silt-rich layer with several mm-sized pods of light-colored ash distributed through the background sediment matrix.

Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA			Natural gamma radiation (cps)
																bulk density (g/cm <sup>3</sup> )	magnetic susceptibility (instrument units)		



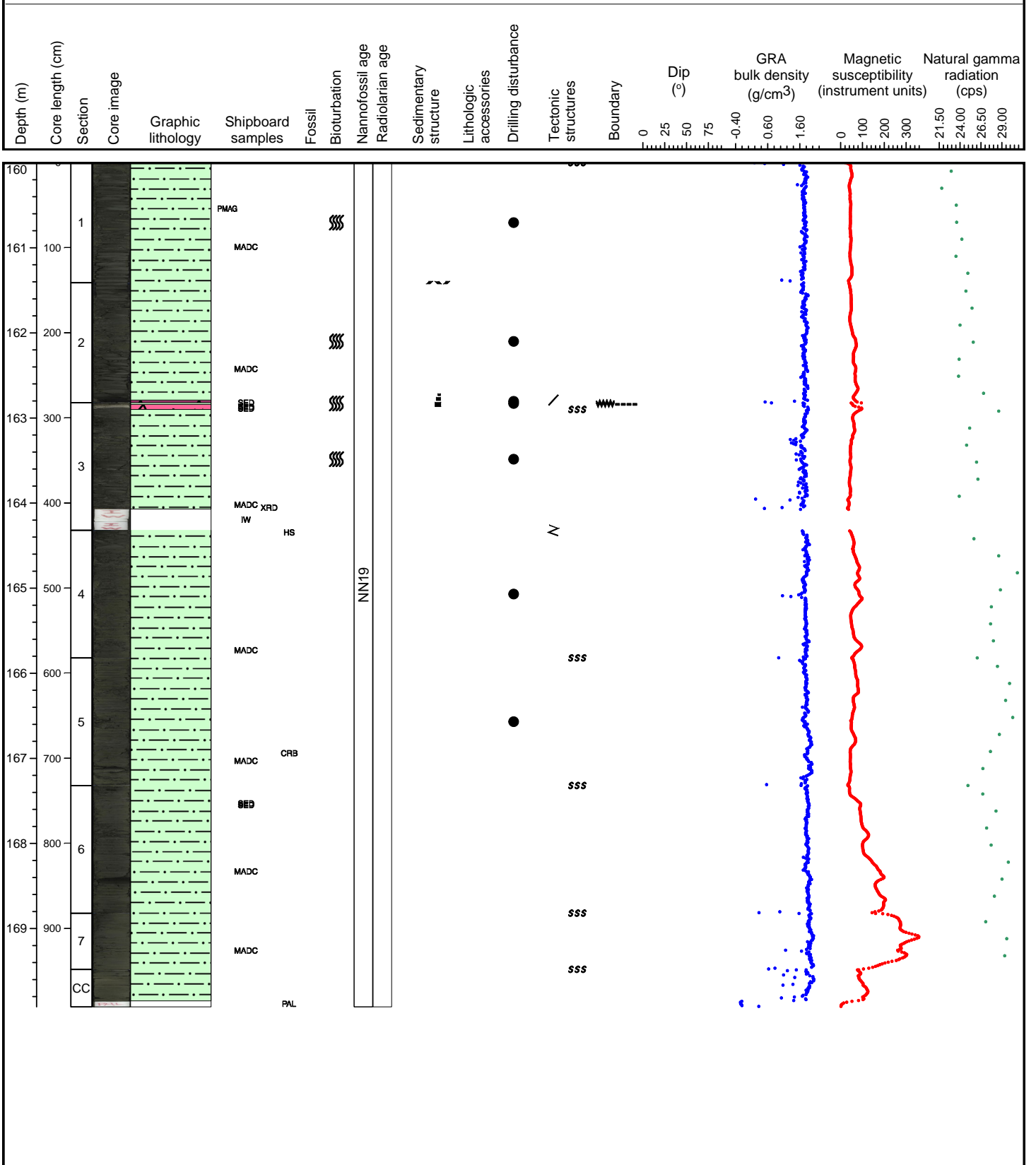
Hole 344-U1413A Core 20X, Interval 150.3-160.16 m (CSF-A)

Dark greenish gray sand, silty clay and claystone intercalated with two light-colored tephra layers in section 7 (130-131 cm) and 8 (20-30cm). Matrix is calcareous with common, but variable biogenic components. Bioturbation. Moderate to common.



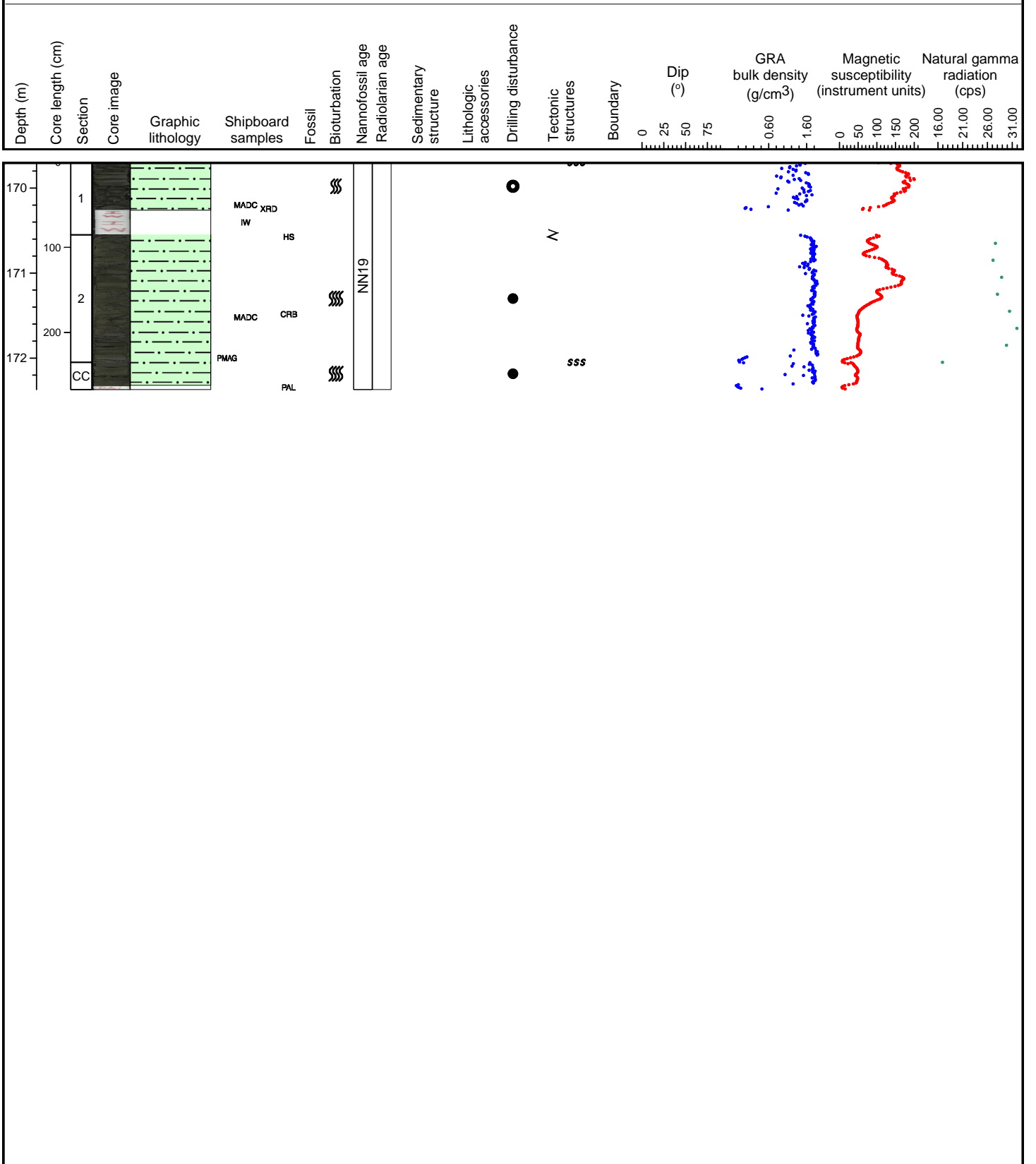
Hole 344-U1413A Core 21X, Interval 160.0-169.92 m (CSF-A)

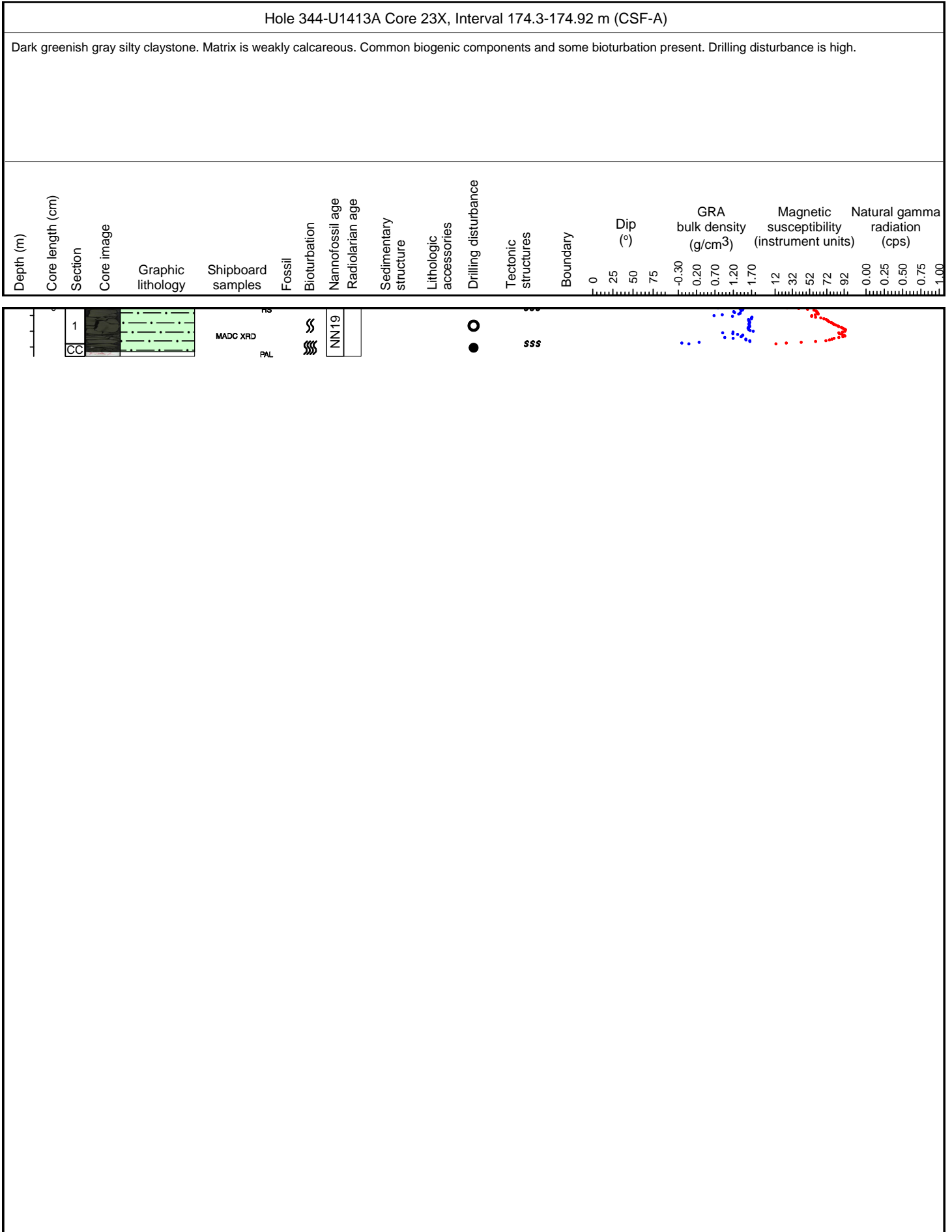
Dark greenish gray silty claystone intercalated with two light-colored tephra layers in section 2 (138-141 cm) and 2 (2-8 cm). Matrix varies between very weakly calcareous and non calcareous. Rare biogenic components and sometimes pyrite. Bioturbation moderate if recognizable.



Hole 344-U1413A Core 22X, Interval 169.7-172.37 m (CSF-A)

Dark greenish gray silty claystone. Matrix is weakly calcareous. Common biogenic components and some bioturbation present. Drilling disturbance high to severe, and some parts are destroyed.

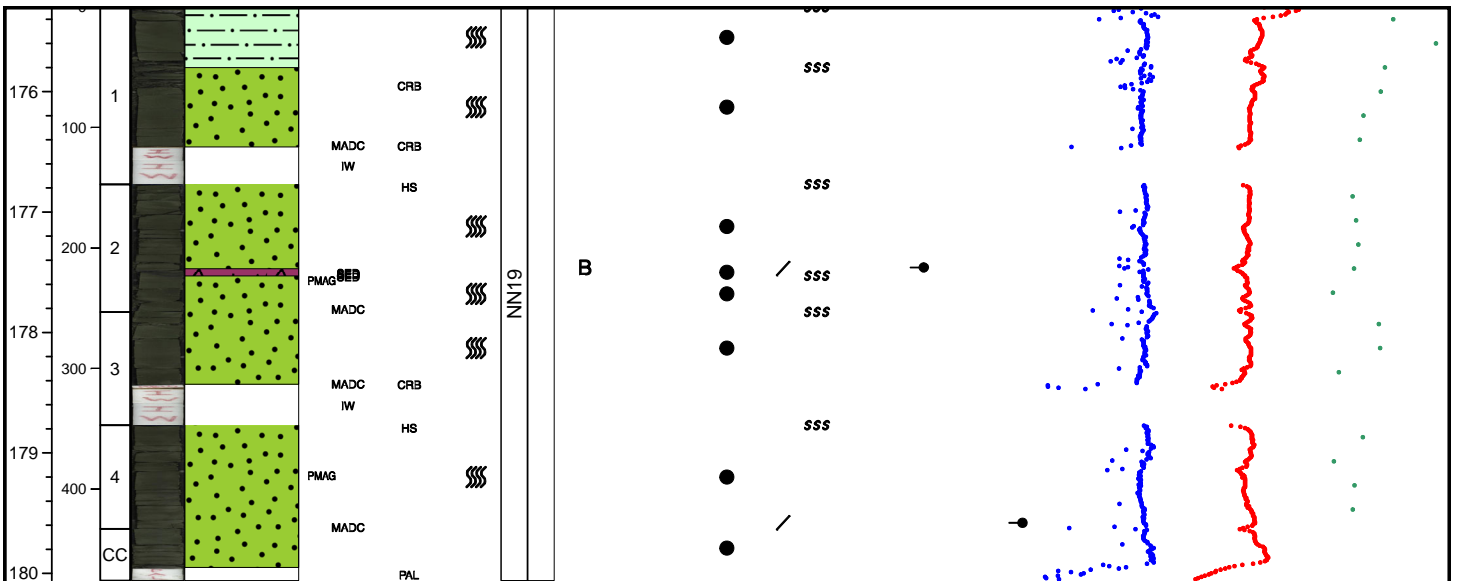




Hole 344-U1413A Core 24X, Interval 175.3-180.06 m (CSF-A)

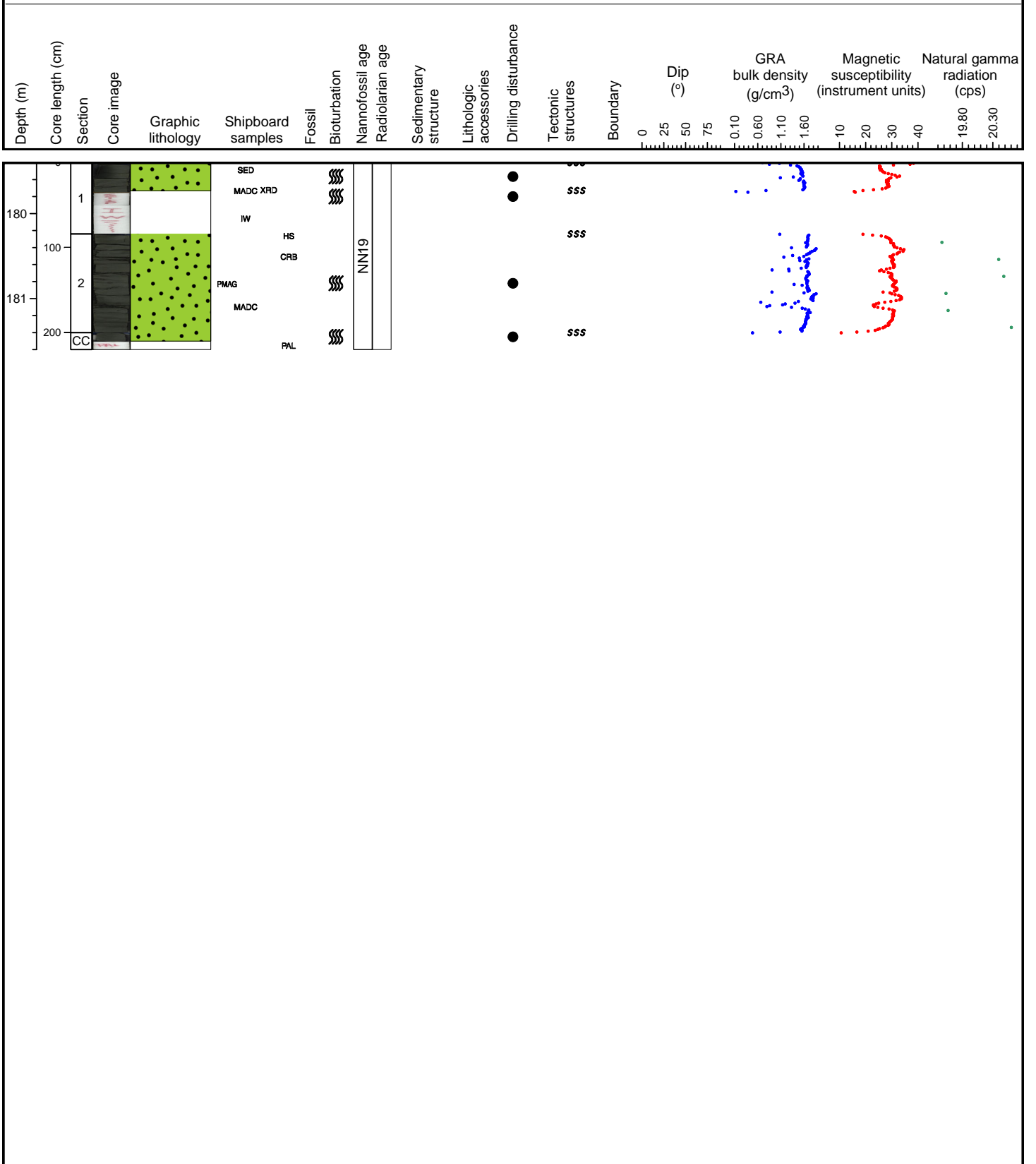
Alternation of dark greenish gray clayey siltstone and siltstone with sometimes sand-sized components. Sequence is laminated. Biogenic components are abundant and large shell fragments occur in the lower part of section 1. Gray-colored tuff bed in section 2 at 70-76 cm. Matrix is weakly calcareous. Bioturbation present. Drilling disturbance is moderate to high.

Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)	Natural gamma radiation (cps)



Hole 344-U1413A Core 25X, Interval 179.4-181.6 m (CSF-A)

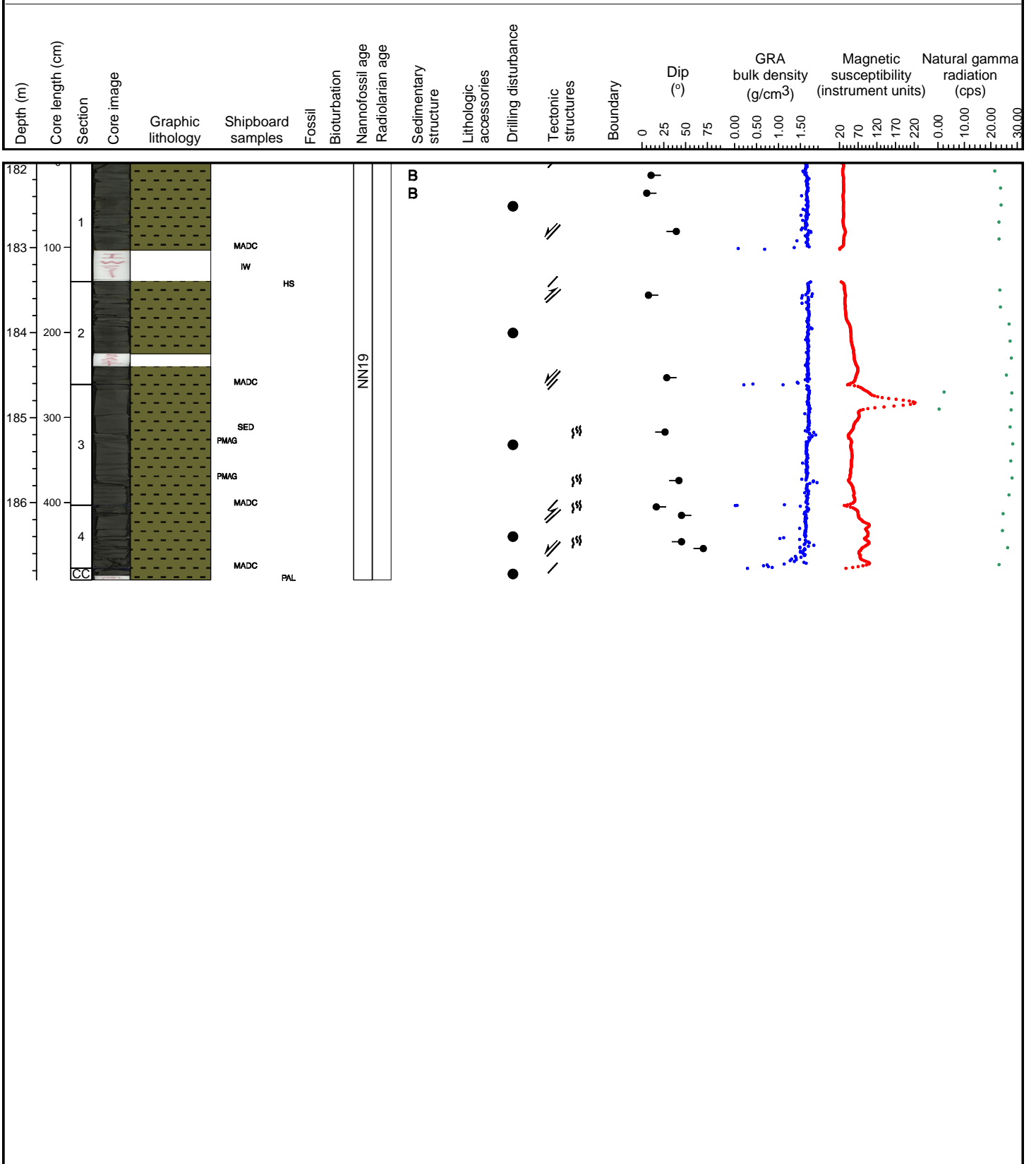
Dark greenish gray clayey siltstone larger biogenic fragments such as fish scales and shell fragments. Splinters of wood and sapropel in section 1 at 10-11 cm. Matrix is weakly calcareous. Bioturbation common. Traces of pyrite.





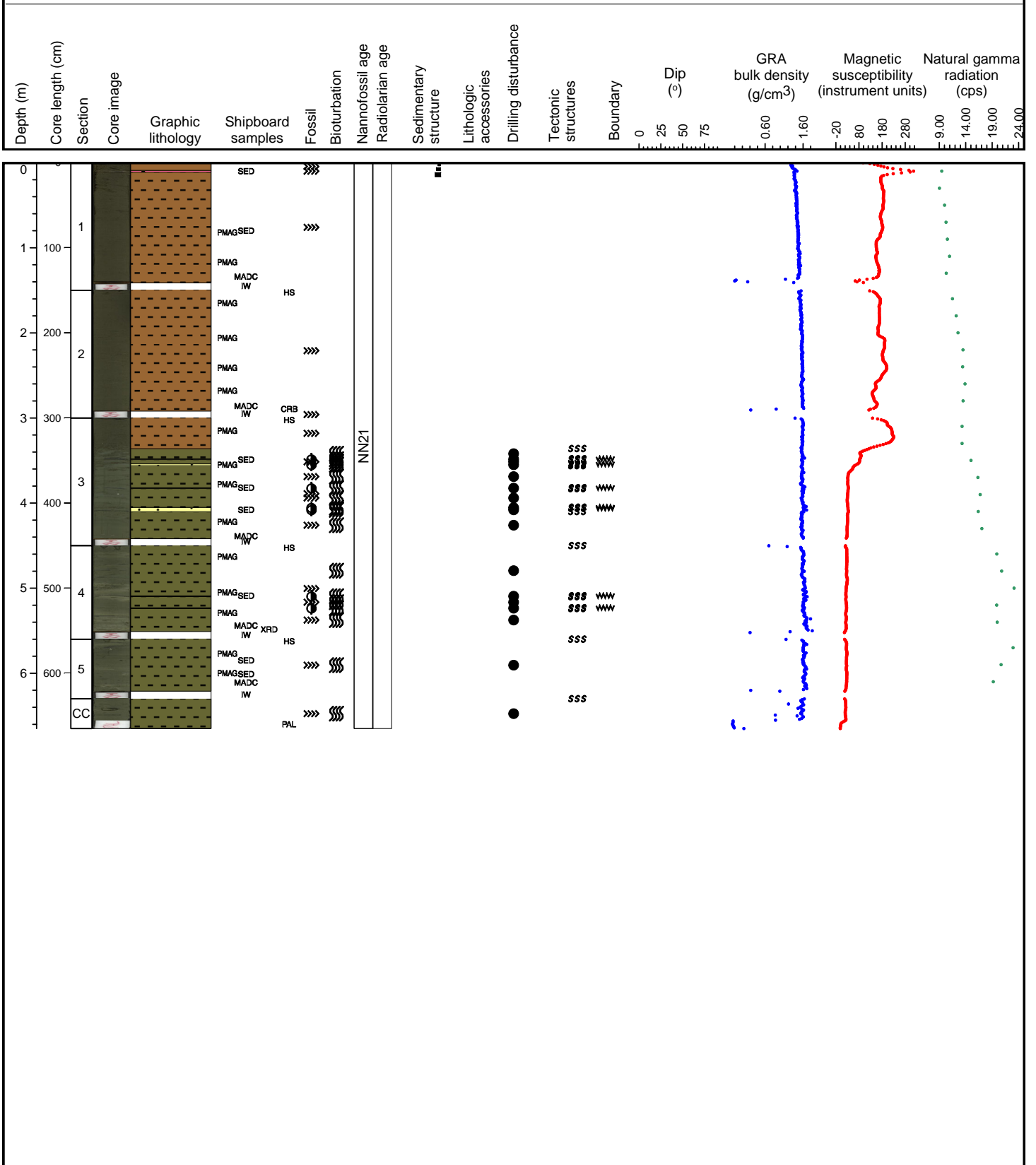
Hole 344-U1413A Core 26X, Interval 182.0-186.91 m (CSF-A)

Dark gray silty claystone contains macroscopic biogenic fragments such as shell fragments. Matrix is weakly calcareous and contains mostly terrigenous material. Disseminated pyrite and pyrite-filled veins observed.



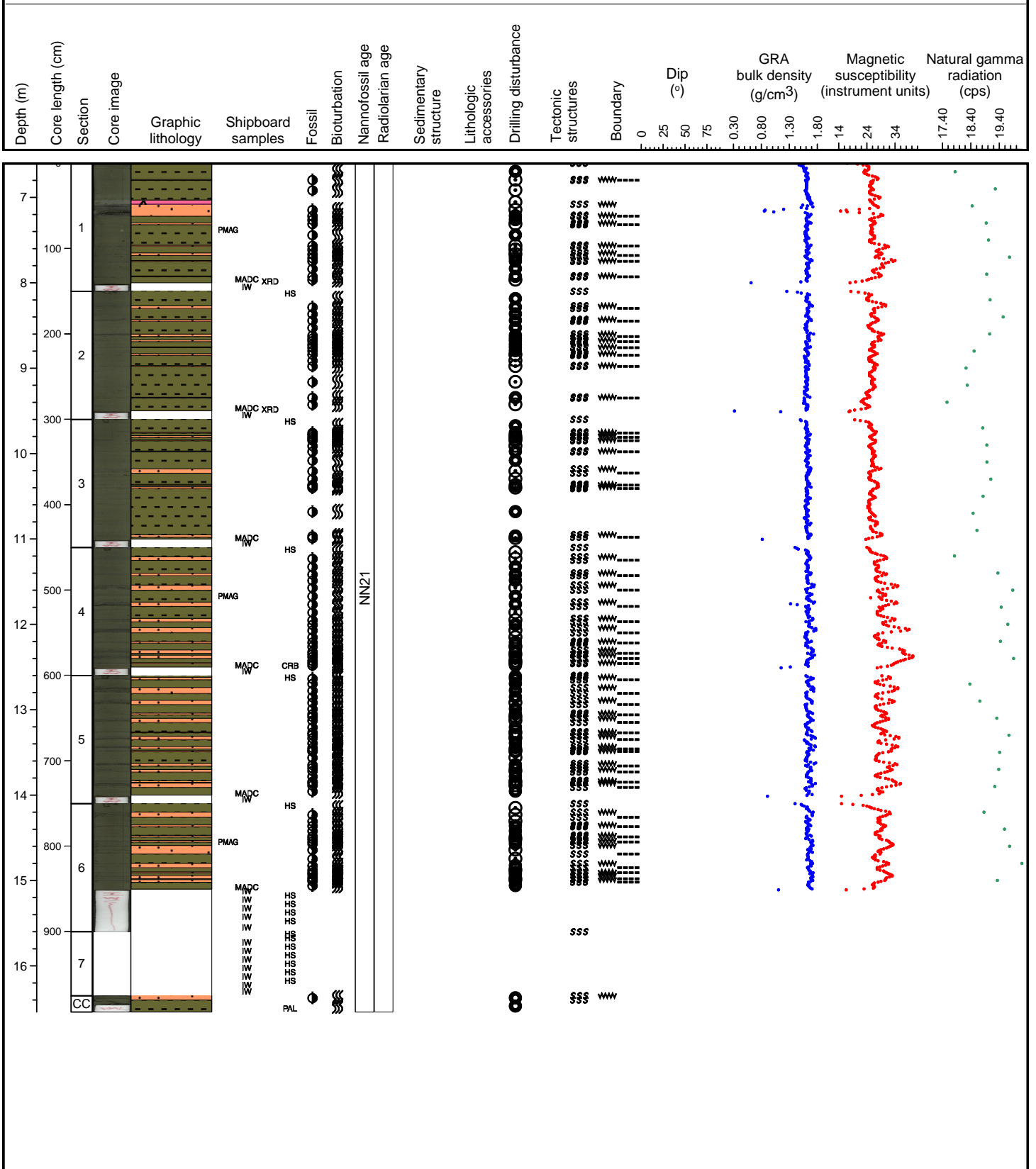
Hole 344-U1413B Core 1H, Interval 0.0-6.65 m (CSF-A)

Dark greenish grey to greenish gray silty clay that grades into a silty clay that contains several cm-sized sand layers. The top 2.5 sections contain abundant nannos and other biogenic components; the rest of the core has a mottled appearance due to calcite-rich and calcite cemented areas, including calcite nodules. The intercalated sand layers are rich in biogenic components, especially forams. There is a 2 cm thick tephra layer on the top 10 cm of section 1. The matrix components are dominated by calcite, galuconite and feldspar. Lithic fragments are less common. Rare amphybole, chlorite and some glass. In the top sections the matrix are dominant nannos, forams and feldspar. Then common sedimentary magmatic lithics, glauconite and hornblende. Common to rare spicules, pyroxene, glass and calcite.



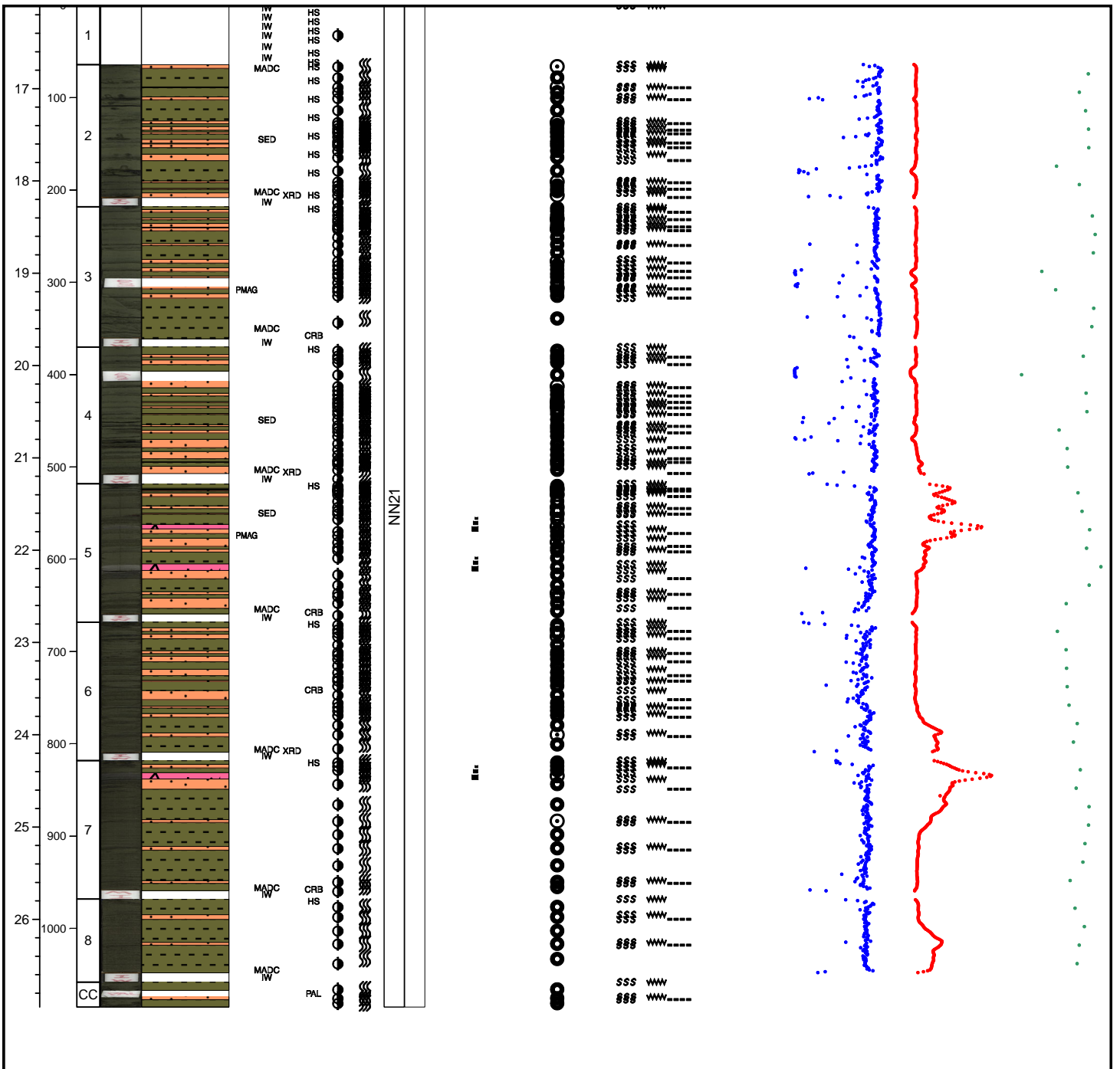
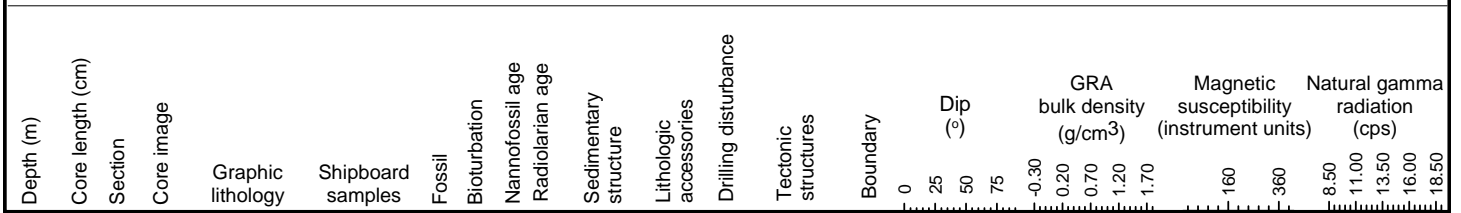
Hole 344-U1413B Core 2H, Interval 6.6-16.54 m (CSF-A)

Greenish-gray, moderately bioturbated, silty clay, rich in cm-sized, dark grey fine sand sequences built up by sand laminae rich in biogenic components (forams, diatoms, radiolarian, some nannos) and terrigenous matter (magmatic crystals, glass, lithic fragments, glauconite). The matrix is composed of the same components like the fine sandy parts. One white to light grey, very fine grained tephra layer in section 1 (43 to 48).



Hole 344-U1413B Core 3H, Interval 16.1-26.95 m (CSF-A)

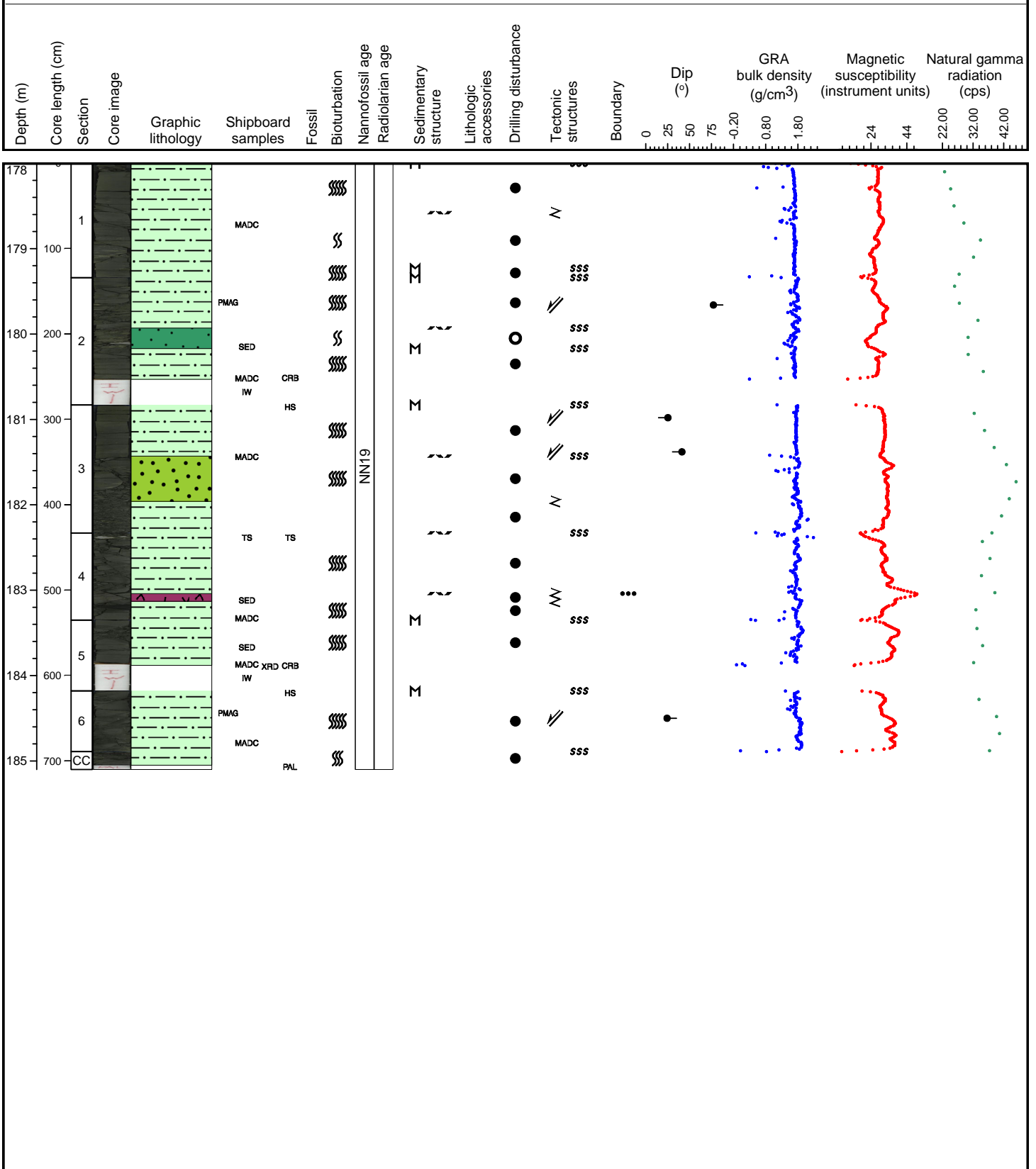
Greenish-gray, moderately bioturbated, silty clay, rich in cm-sized, dark grey fine sand sequences built up by sand laminae rich in biogenic components (forams, diatoms, radiolarian, some nannos) and terrigenous matter (magmatic crystals, glass, lithic fragments, glauconite). The matrix is composed of the same components like the fine sandy parts. One white to light grey, very fine grained tephra layer in section 5 (44 to 49, 87 to 95), and section 7 (13 to 21).



U1413C-11 Drilled interval

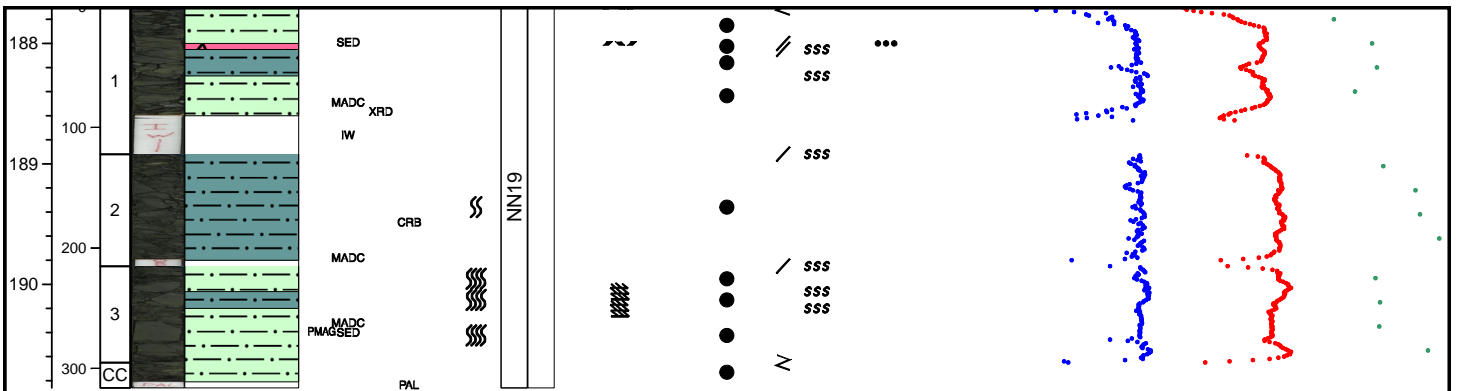
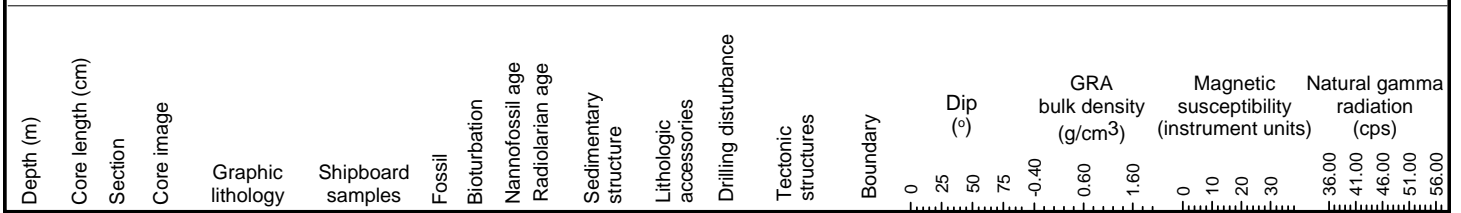
Hole 344-U1413C Core 2R, Interval 178.0-185.1 m (CSF-A)

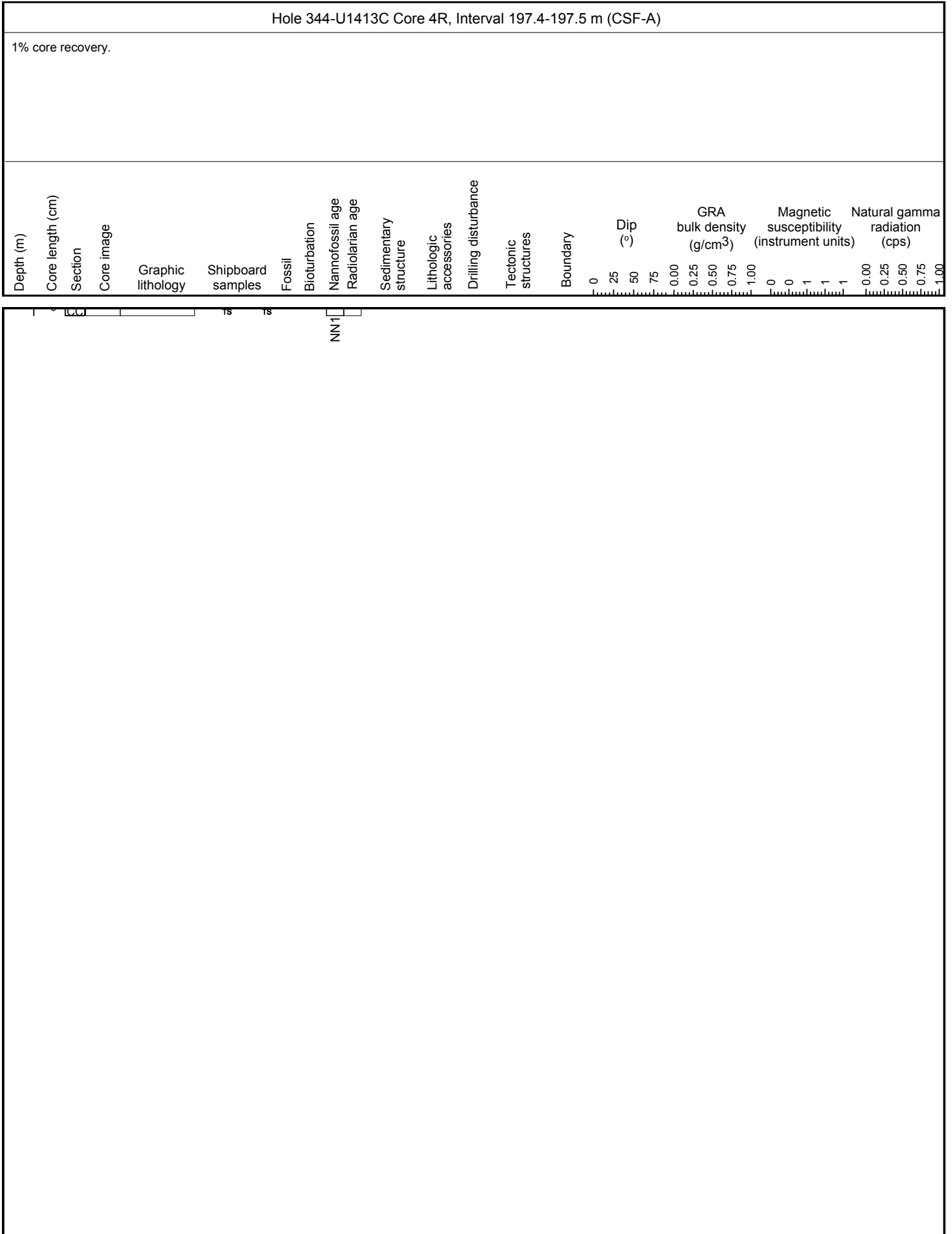
Massive very dark greenish gray clayey siltstone with common to abundant biogenic debris like shell fragments, fish scales and foraminifera. Matrix is very weakly calcareous. Siltstone is intercalated with beds of increased calcareous debris in section 1 to 3, where biogenic components accumulate in mm- to cm-sized lenses, laminations and pods. Boundaries are transitional to gradational. Reworked, re-deposited indurated gray tephra in section 4 71-80cm. Bioturbation common to heavy. Drilling disturbance high.



Hole 344-U1413C Core 3R, Interval 187.7-190.86 m (CSF-A)

Bioturbated very dark greenish gray clayey siltstone with common to abundant biogenic debris like shell fragments and foraminifera. Matrix is weakly calcareous. Siltstone is intercalated with beds of siltstone enriched in mm-sized calcitic spherules. Accumulation of spherules forming nodules at 35-47 in section 1 and 7-9cm in section 2. In section 1, 30-35cm, layer of ash mixed with rounded clasts of siltstone.



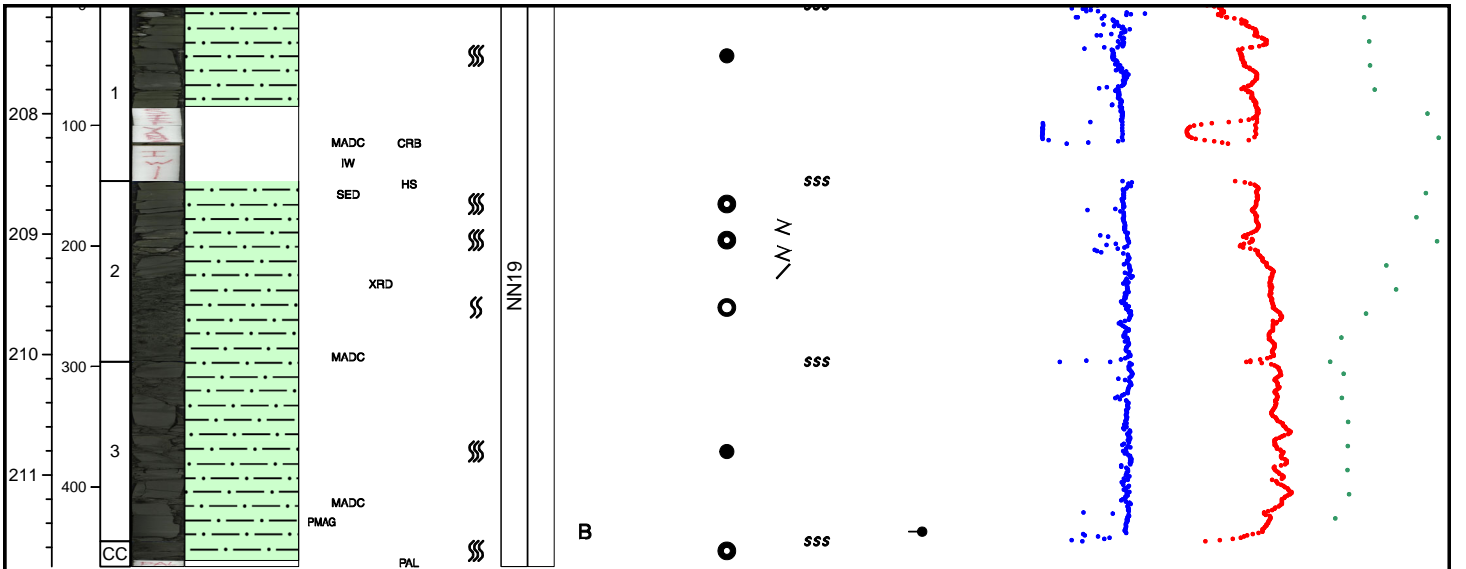




Hole 344-U1413C Core 5R, Interval 207.1-211.76 m (CSF-A)

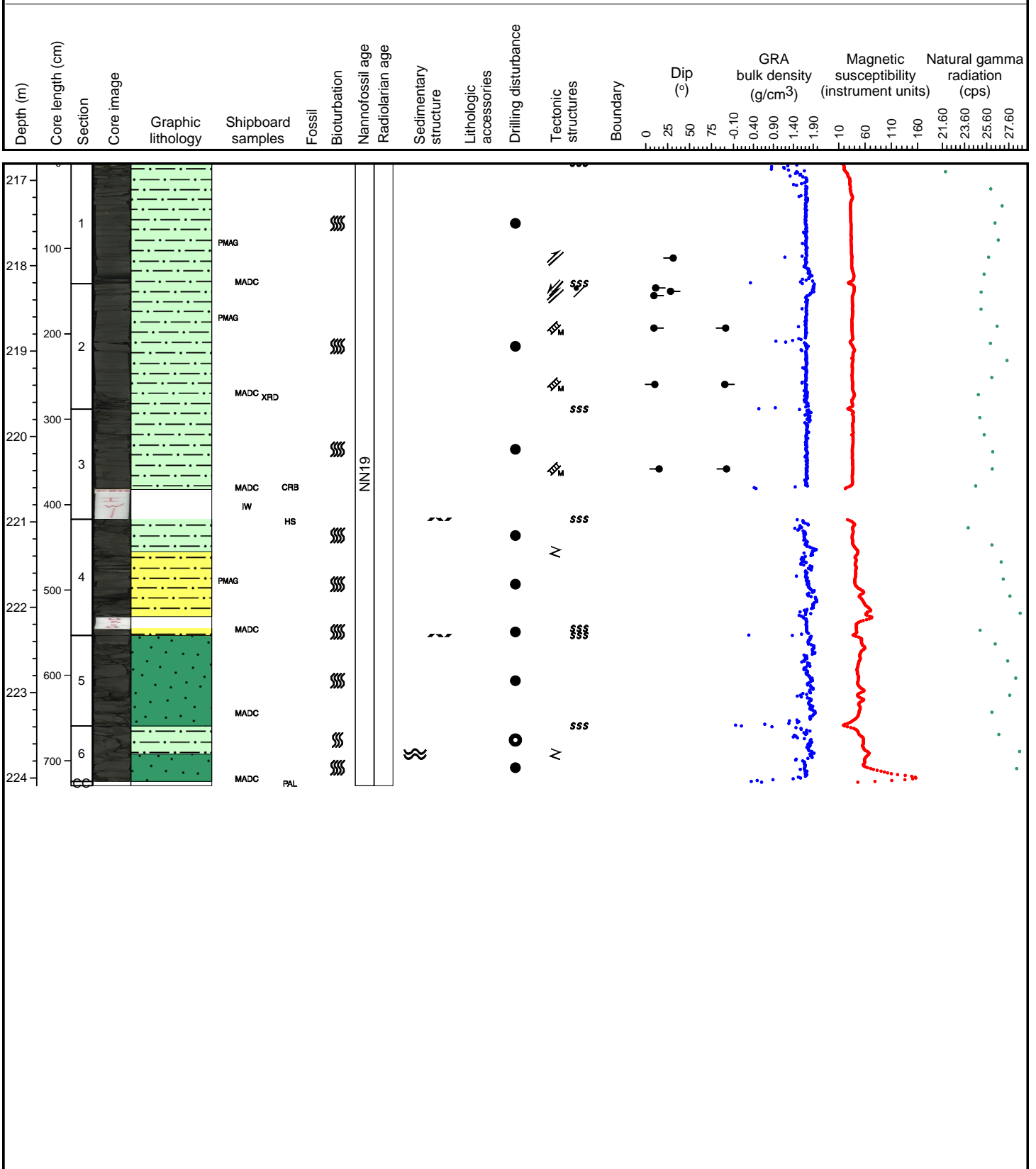
Dark greenish gray clayey siltstone with common calcareous biogenic fragments and a weakly calcareous matrix. Several carbonate nodules in section 1 from 0-25 cm and section 2 between 38-60 cm. A large needle-like biogenic fragment in section 2 at 9-14 cm. Re-crystallized calcite in section 2 at 38-60 cm. Moderate to common bioturbation, Drilling disturbance in parts severe.

Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )		Magnetic susceptibility (instrument units)		Natural gamma radiation (cps)			
																0.60	1.60	16	36	25.00	30.00	35.00	40.00



Hole 344-U1413C Core 6R, Interval 216.8-224.09 m (CSF-A)

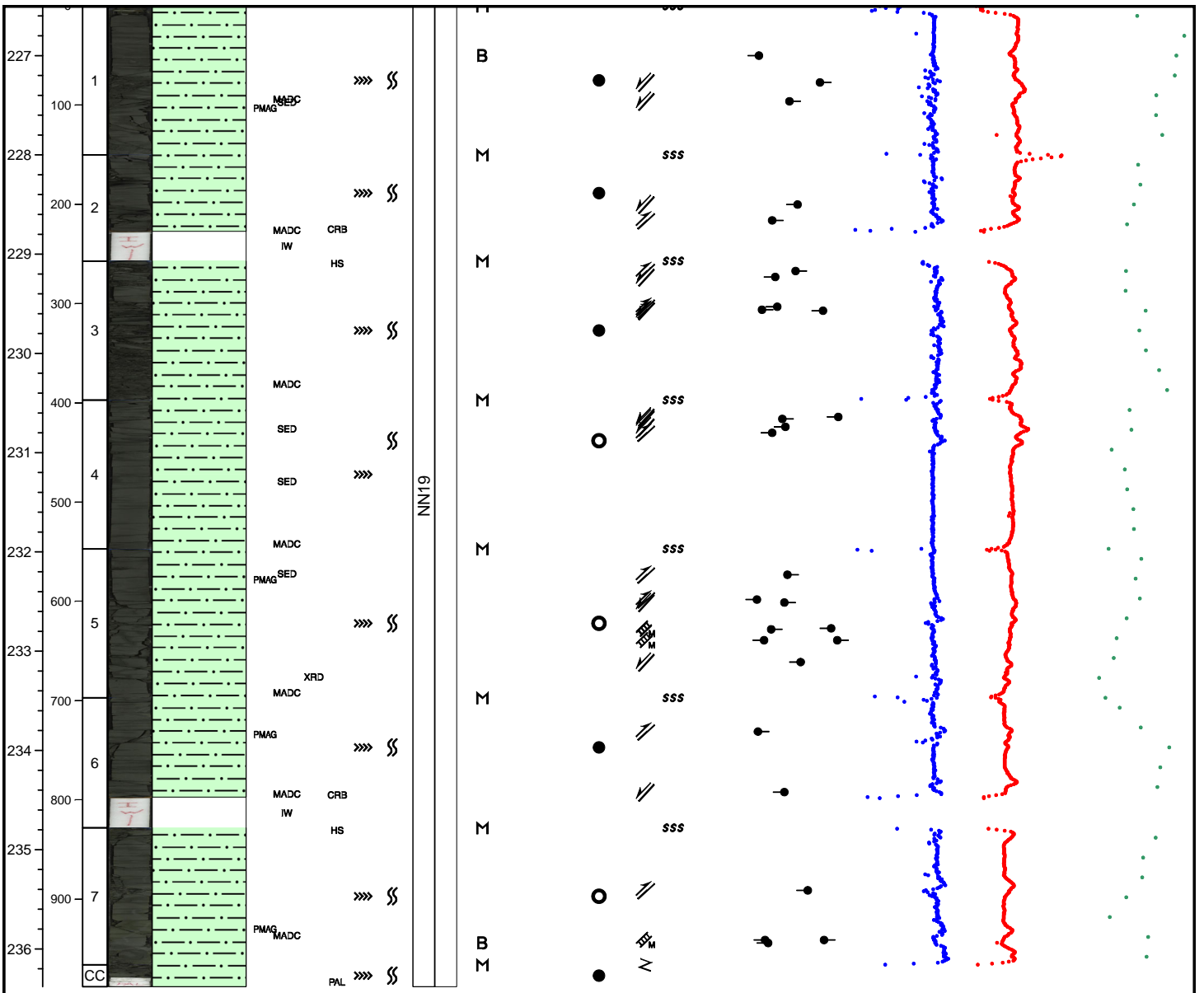
Dark greenish gray clayey siltstone beginning to grade into alternations of siltstone, sandy siltstone and silty sandstone with increasing core depth in section 4. With common biogenic fragments and pyrite in a weakly calcareous matrix. Several carbonate nodules in section 1 from 0-5 cm.



Hole 344-U1413C Core 7R, Interval 226.5-236.38 m (CSF-A)

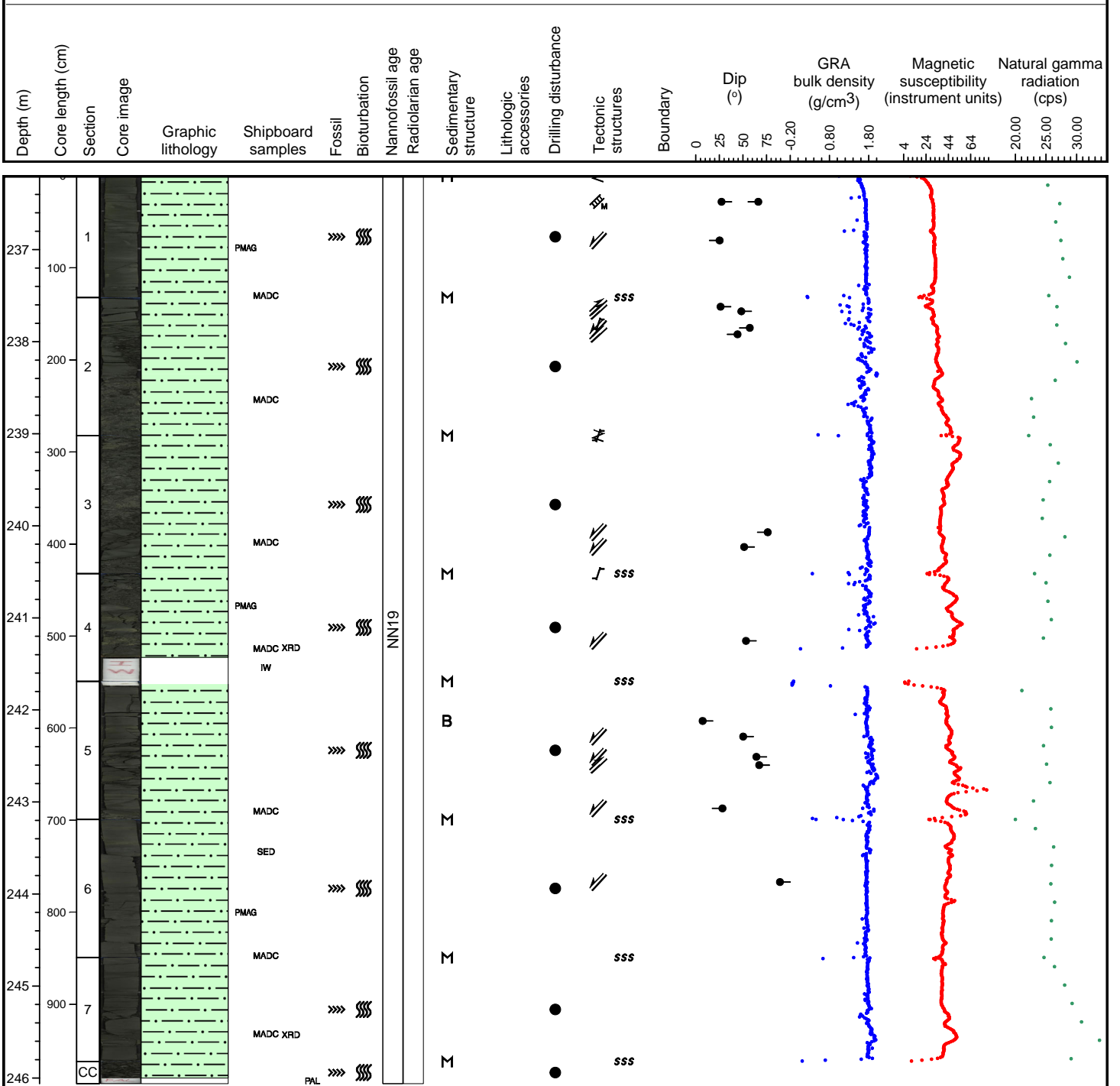
Dark greenish gray clayey siltstone with sparse biogenic fragments and disseminated pyrite in a calcareous matrix. Matrix mostly terrigenous with little biogenic material except nanofossils. Ash pod in section 4 at 29 cm.

Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)	Natural gamma radiation (cps)
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Hole 344-U1413C Core 8R, Interval 236.2-246.06 m (CSF-A)

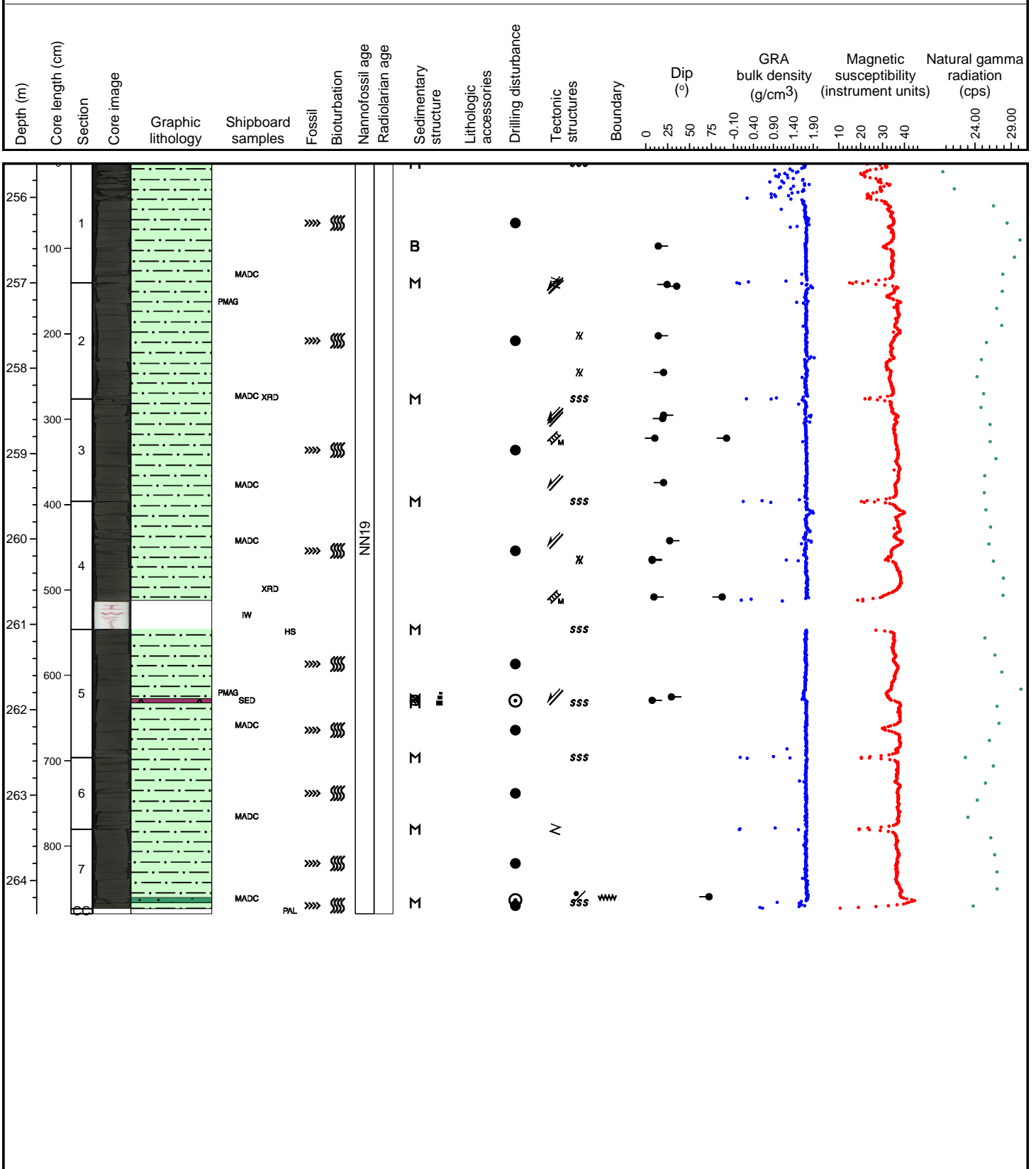
Dark greenish gray clayey siltstone with sparse biogenic fragments and disseminated pyrite in a calcareous matrix. Matrix mostly terrigenous with little biogenic material except nannofossils.



U1413C-9R No recovery

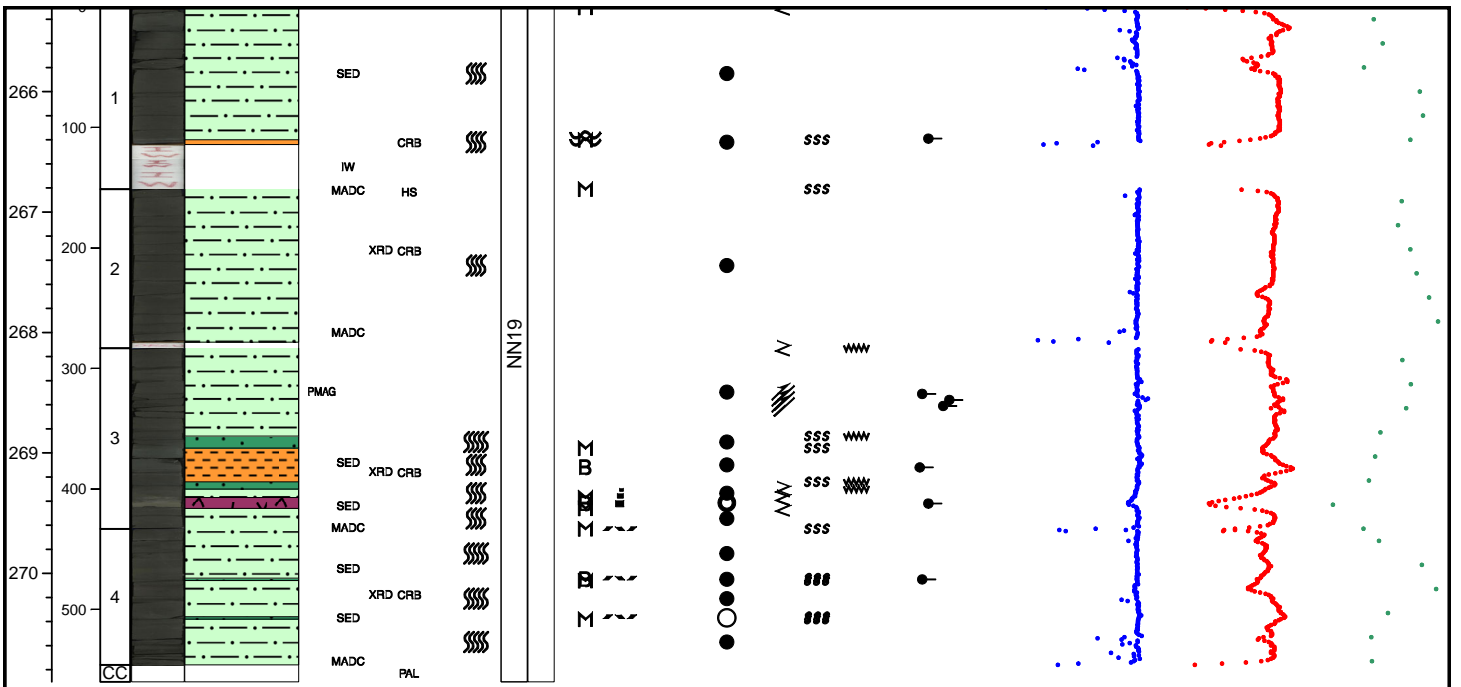
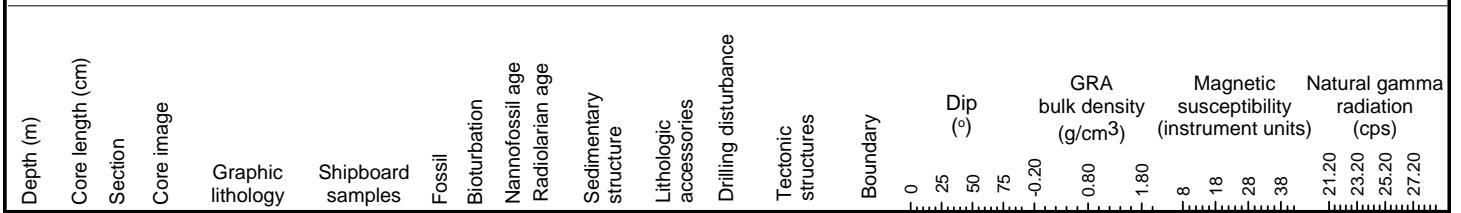
Hole 344-U1413C Core 10R, Interval 255.6-264.39 m (CSF-A)

Dark greenish gray mildly calcareous clayey siltstone with some biogenic fragments and disseminated pyrite in a calcareous matrix. Matrix mostly terrigenous with little biogenic material and common nannofossils. One ash layer in section 5 between 81 and 86 cm.



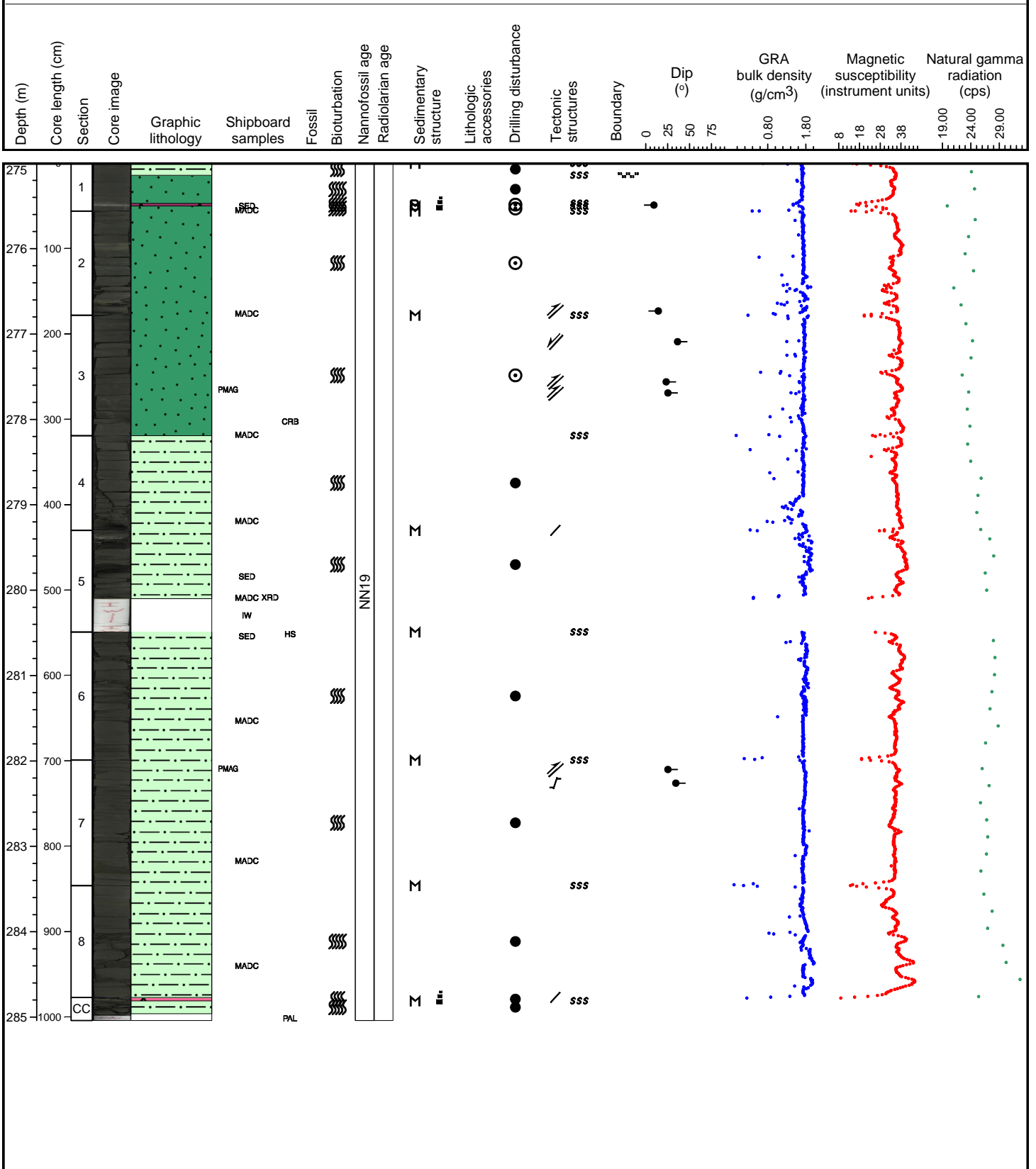
Hole 344-U1413C Core 11R, Interval 265.3-270.9 m (CSF-A)

Dark greenish gray mildly calcareous clayey siltstone intercalated with claystone (section 1, 110-114 cm), a tuff (section 3, 124-133 cm) and multiple cm-thick sand layers mostly in section 4. Siltstone contains biogenic fragments and foraminifera in a mildly calcareous matrix. Tuff is light-colored, normally graded and with laminations indicative of turbidite origin. Sandstone is gray, graded, rich in biogenic material and non-calcareous.



Hole 344-U1413C Core 12R, Interval 275.0-285.04 m (CSF-A)

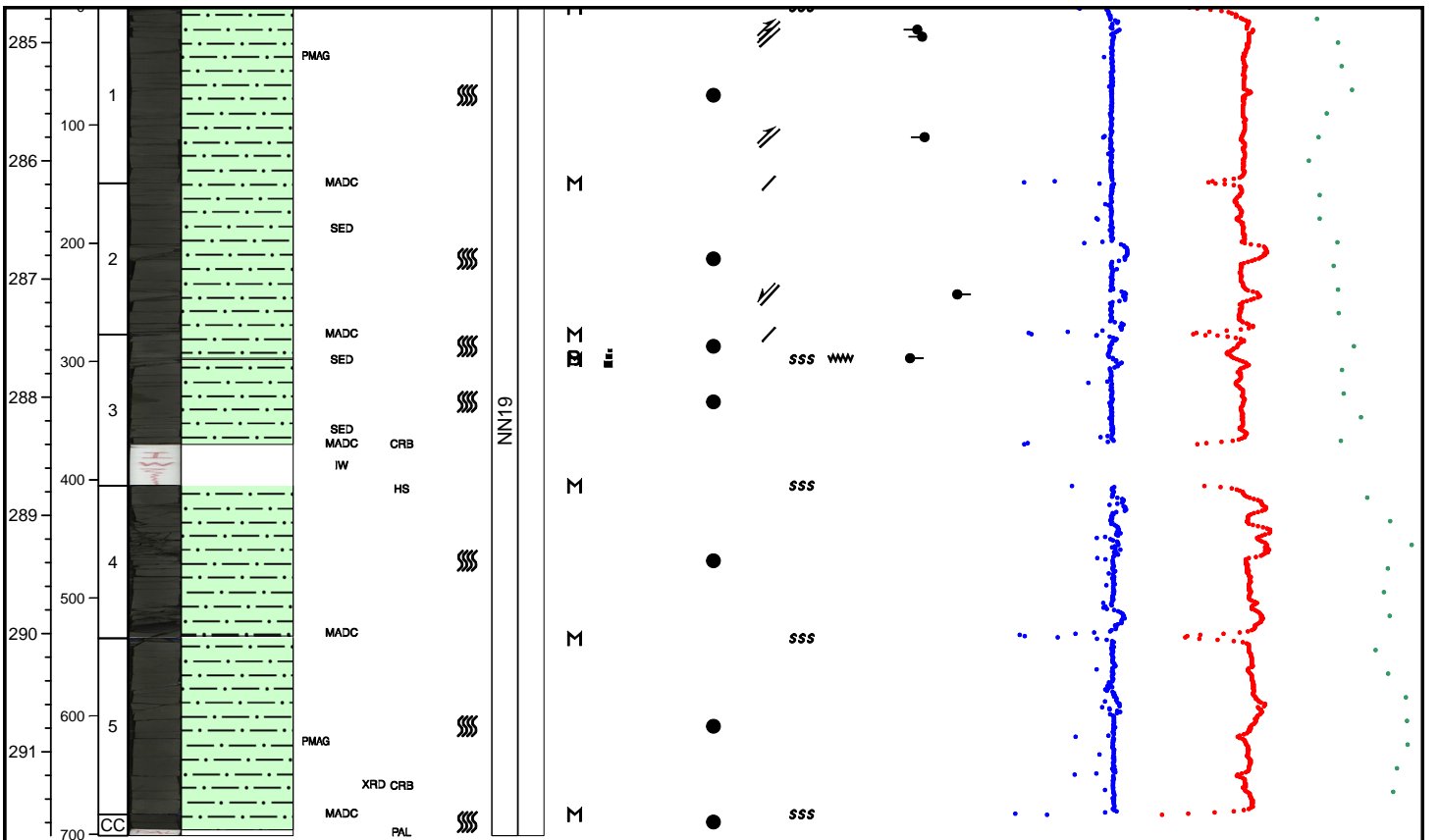
Dark greenish gray mildly calcareous clayey siltstone intercalated with cm-thick sand layers mostly in section 1-3, and two light-colored normally graded tuff layers in section 1 at 47-50 cm, and CC at 0-4 cm. Siltstone contains biogenic fragments, foraminifera, organic material and pyrite in a very weakly calcareous matrix. Two horizons with calcareous matrix in section 2 at 37-46 cm and 105-109 cm.



Hole 344-U1413C Core 13R, Interval 284.7-291.71 m (CSF-A)

Dark greenish gray mildly calcareous to calcareous clayey siltstone with biogenic fragments, foraminifera, organic material and pyrite. Gray tuff bed in section 3 at 20-21 cm.

Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)	Natural gamma radiation (cps)
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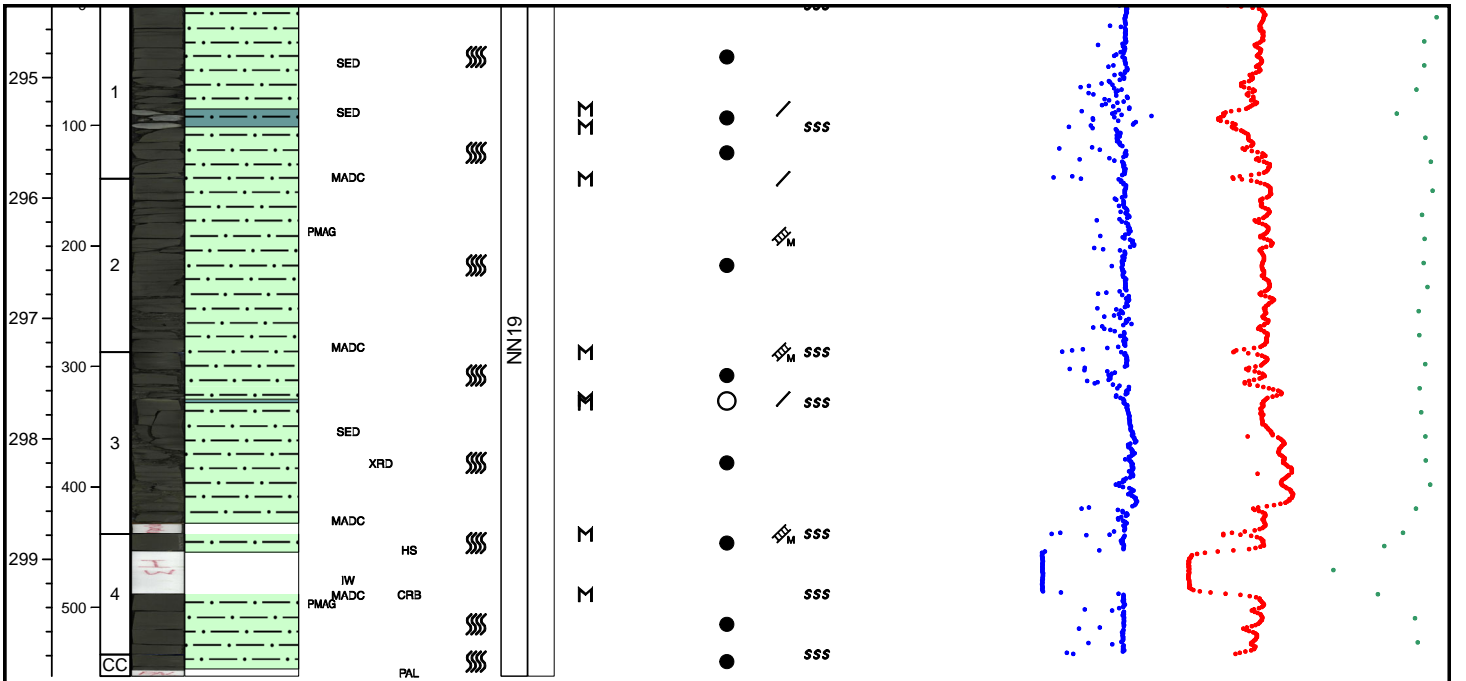




Hole 344-U1413C Core 14R, Interval 294.4-299.97 m (CSF-A)

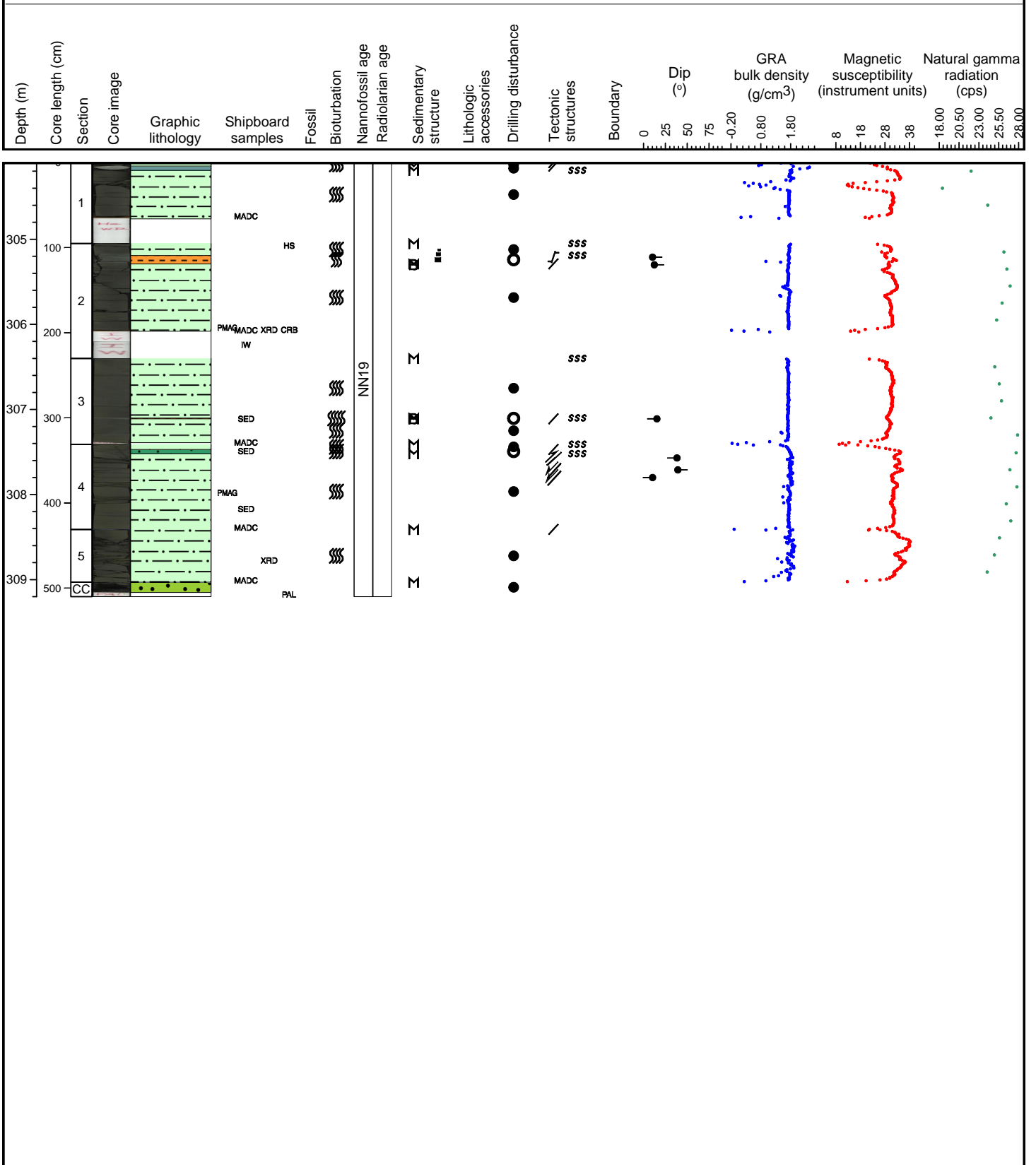
Dark greenish gray mildly calcareous to calcareous clayey siltstone with biogenic fragments, foraminifera, organic material (sapropel) and pyrite. Calcareous siltstone in section 1 at 86-101, and in section 3 at 39-42 cm.

Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )		Magnetic susceptibility (instrument units)			Natural gamma radiation (cps)			
																0	25	50	75	-0.40	0.60	1.60	-4	16



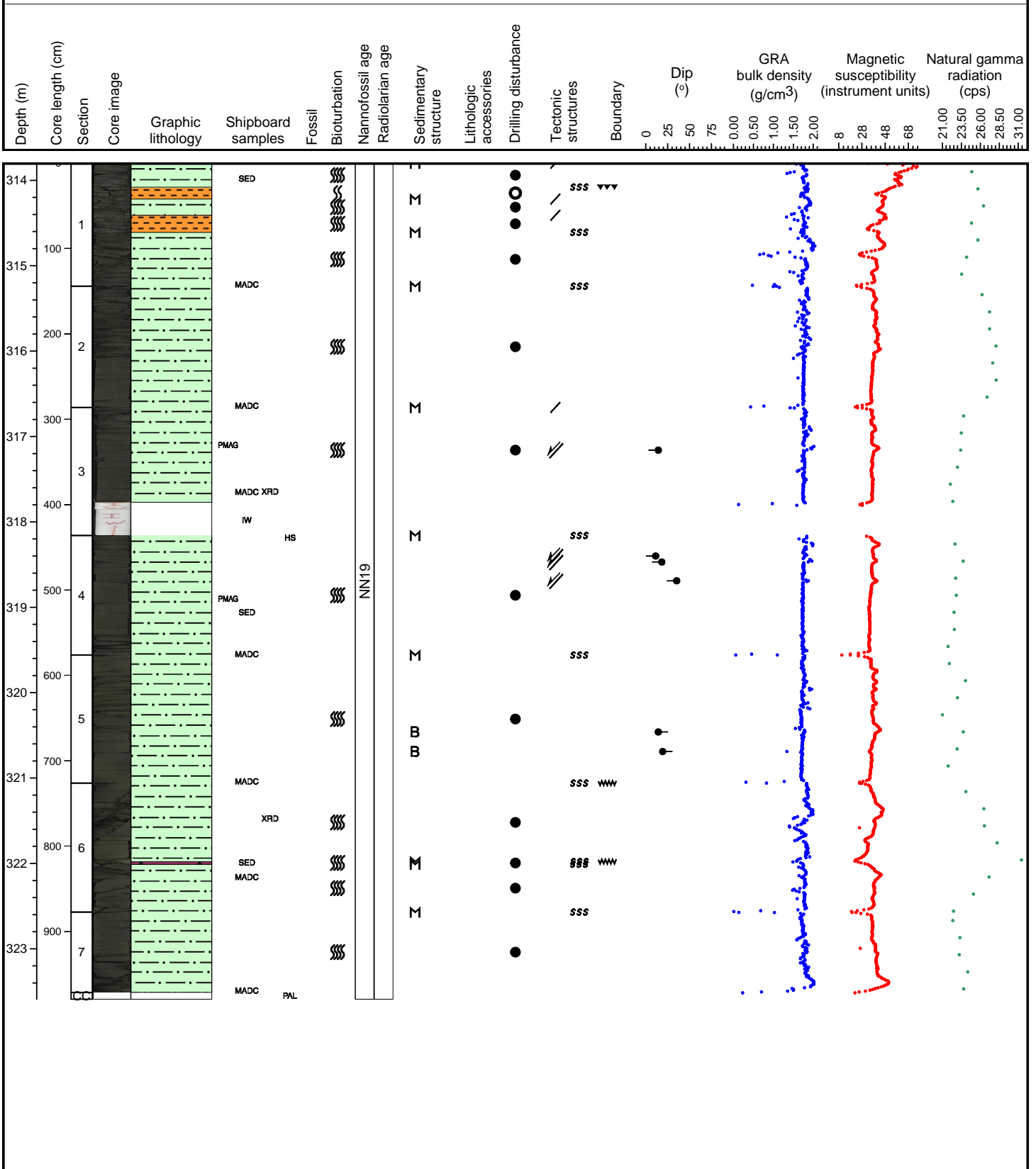
Hole 344-U1413C Core 15R, Interval 304.1-309.2 m (CSF-A)

Dark greenish gray mildly calcareous to calcareous clayey siltstone with biogenic fragments, foraminifera and pyrite. Calcareous siltstone in section 1 at 4-9 cm. Two layers of claystone in section 2 at 14-24 cm, and section 3 at 70-71 cm. Sandy horizon in section 5 at 6-11 cm. Bioturbation is high.



Hole 344-U1413C Core 16R, Interval 313.8-323.59 m (CSF-A)

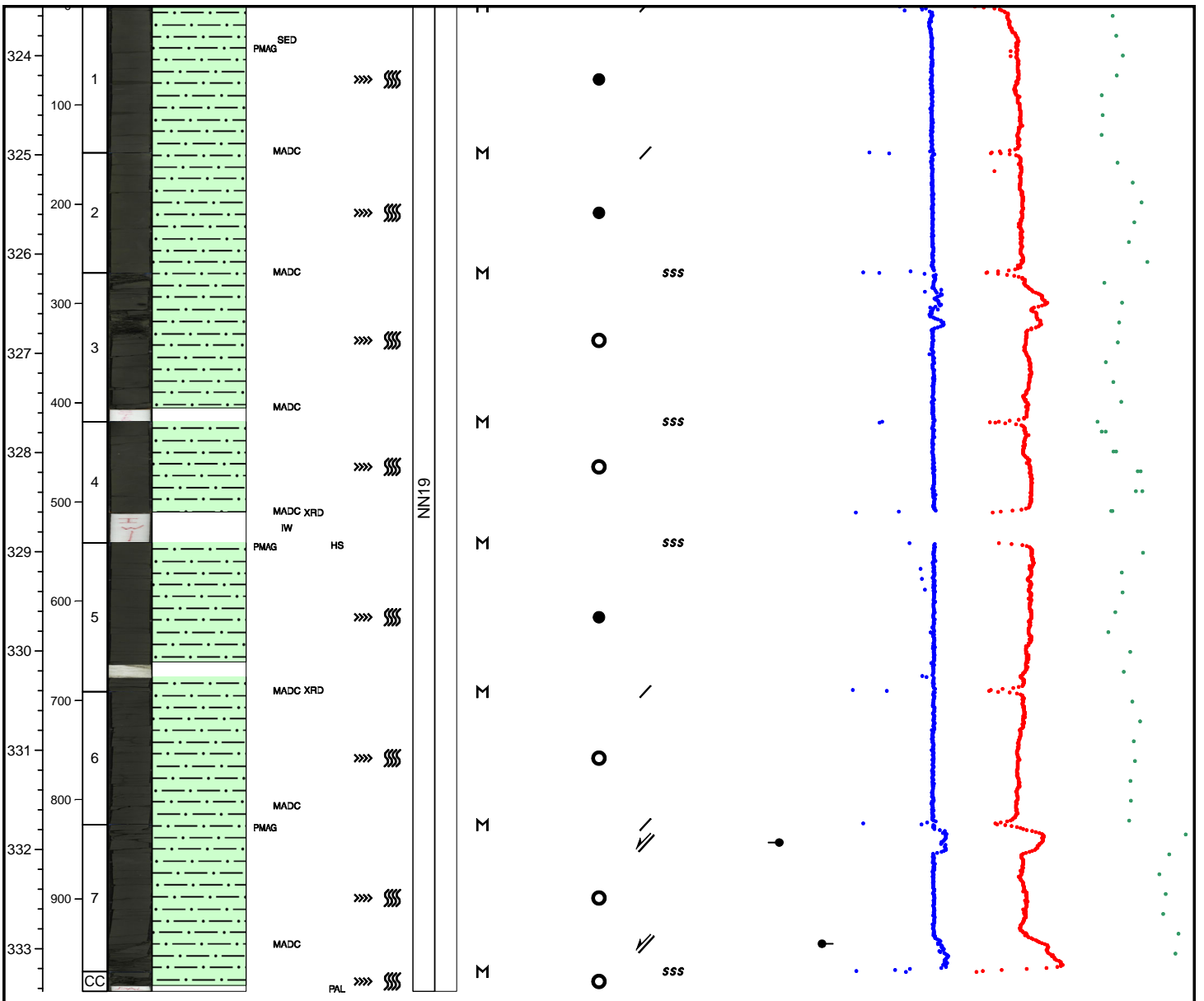
Dark greenish gray calcareous clayey siltstone with biogenic fragments, foraminifera and pyrite. Two layers of gray claystone in section 1 at 28-42 cm and at 61-81 cm. Grey silt layer in section 6 at 92-95 cm. Bioturbation is common.



Hole 344-U1413C Core 17R, Interval 323.5-333.43 m (CSF-A)

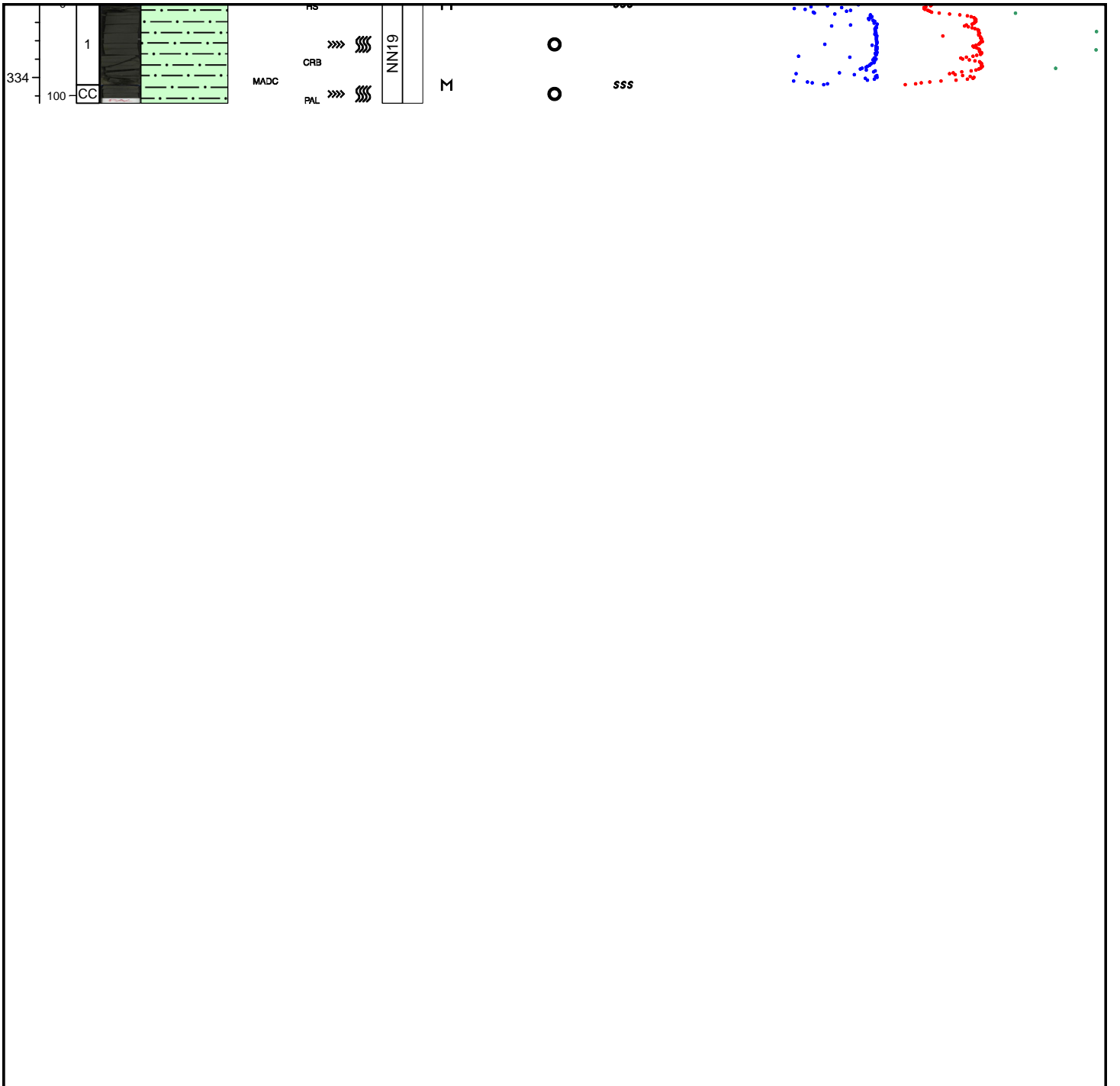
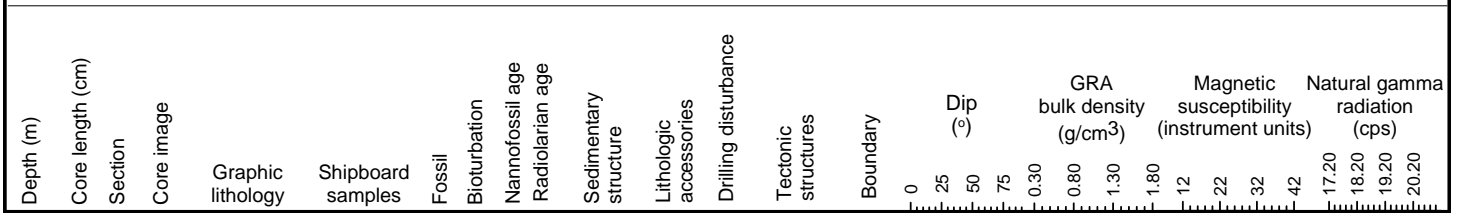
Dark greenish gray calcareous clayey siltstone with rare shell fragments, but abundant and visible foraminifera and pyrite. Terrigenous matrix becoming more calcareous by a fine detrital calcite grains. Bioturbation is common.

Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )		Magnetic susceptibility (instrument units)		Natural gamma radiation (cps)	
																0.00	0.50	1.00	1.50	2.00	22



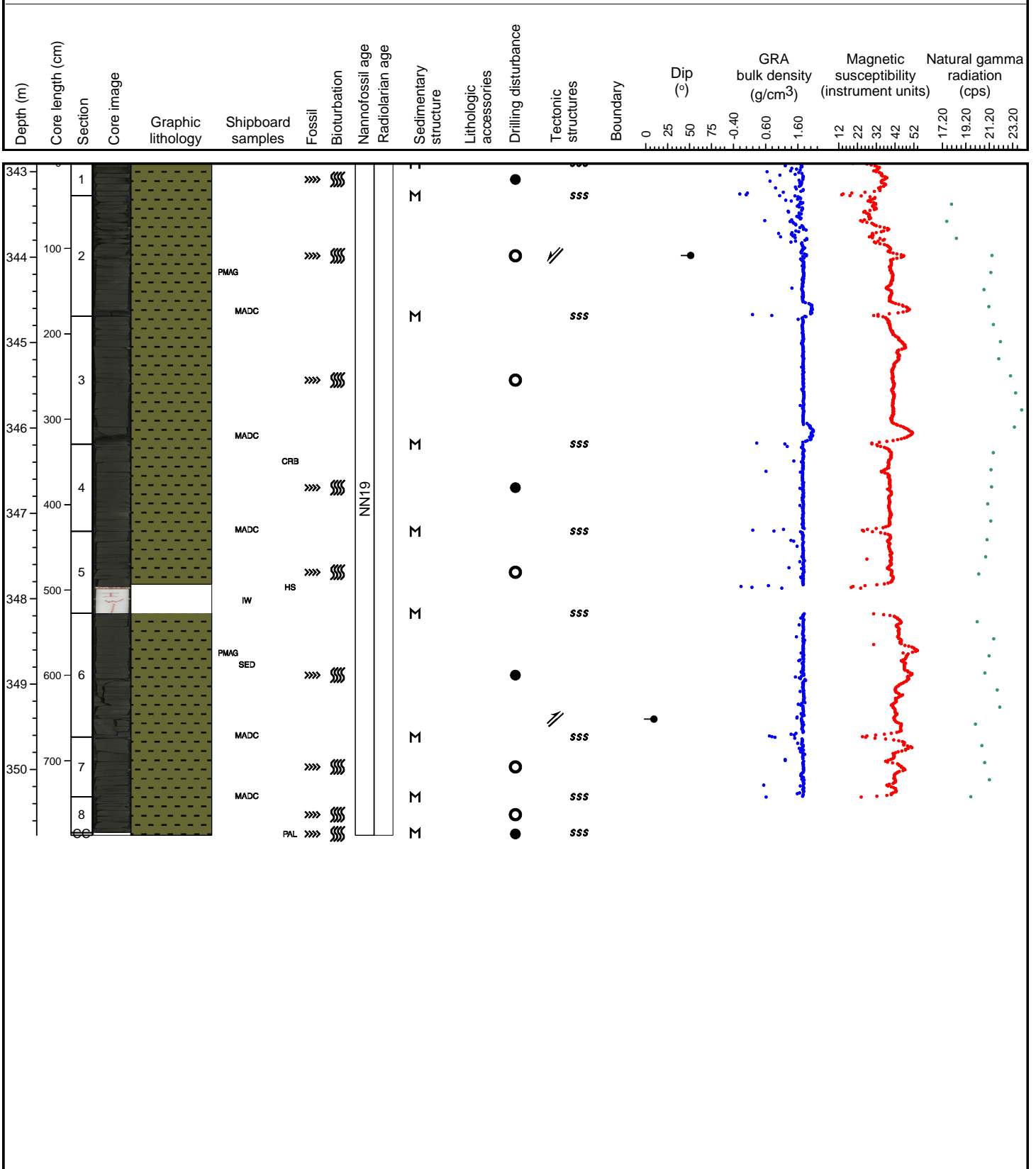
Hole 344-U1413C Core 18R, Interval 333.2-334.28 m (CSF-A)

Dark greenish gray calcareous clayey siltstone with rare shell fragments, but abundant and visible foraminifera and pyrite. Terrigenous matrix becoming more calcareous by a fine detrital calcite grains. Bioturbation is common.



Hole 344-U1413C Core 19R, Interval 342.9-350.77 m (CSF-A)

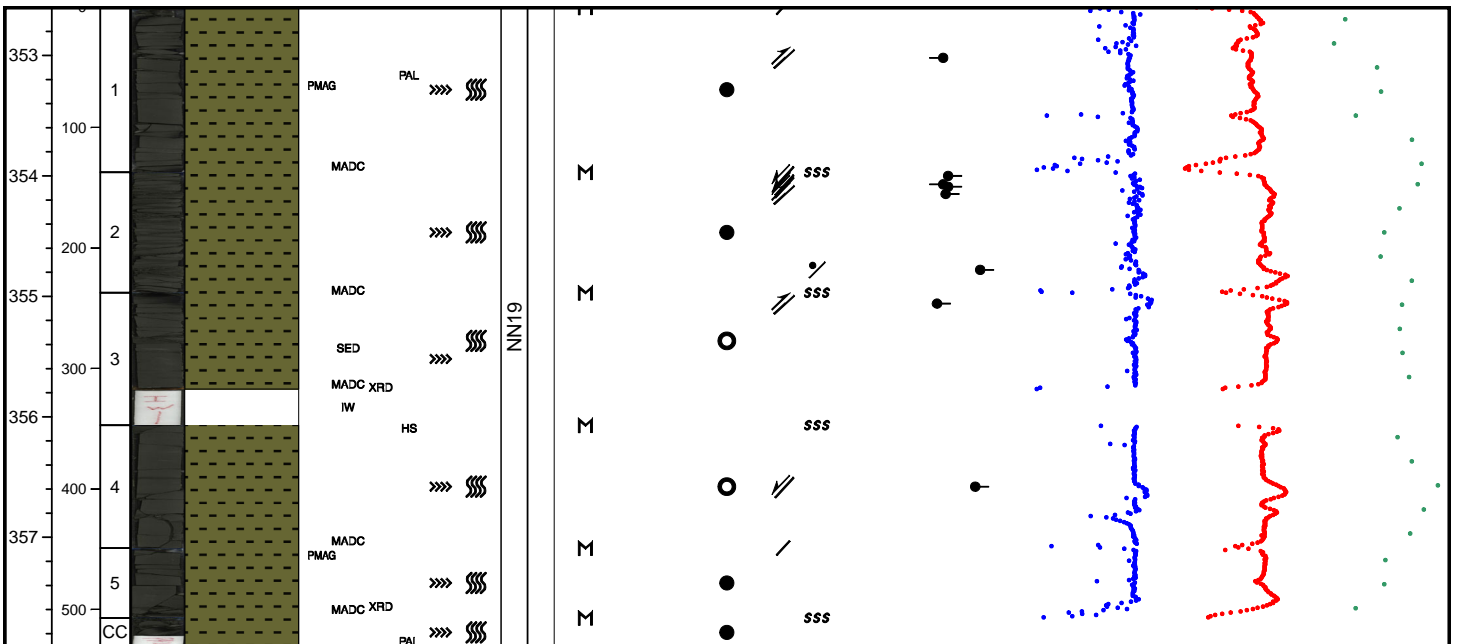
Dark greenish gray mildly calcareous silty claystone with common shell fragments, but abundant and visible foraminifera and pyrite enriched in cm-thick horizons. Terrigenous matrix becoming less in minerals but more enriched in sapropel fragments. Bioturbation is common.



Hole 344-U1413C Core 20R, Interval 352.6-357.91 m (CSF-A)

Dark greenish gray mildly calcareous silty claystone with common shell fragments, but abundant and visible foraminifera and pyrite enriched in cm-thick horizons. Terrigenous matrix becoming less in minerals but more enriched in sapropel fragments. Bioturbation is common.

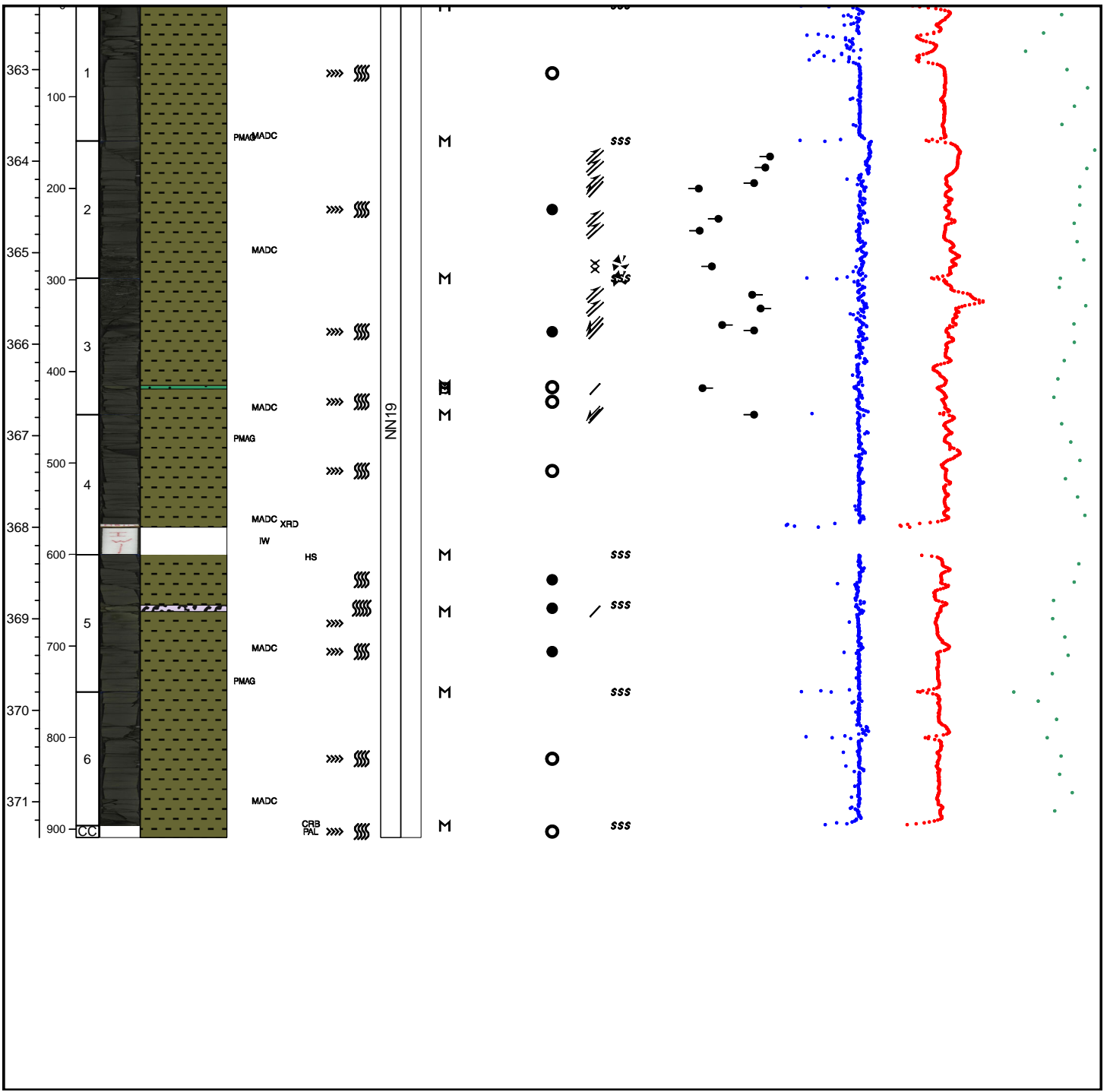
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)	Natural gamma radiation (cps)
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Hole 344-U1413C Core 21R, Interval 362.3-371.39 m (CSF-A)

Dark greenish gray mildly calcareous silty claystone with common shell fragments, but abundant and visible foraminifera and pyrite enriched in cm-thick horizons. Terrigenous matrix becoming less in minerals but more enriched in sapropel fragments. Bioturbation is common. One layer of enriched biogenic matter (tubular chitinic, forams, shells) the other one composed of heavily bioturbated calcareous mudstone.

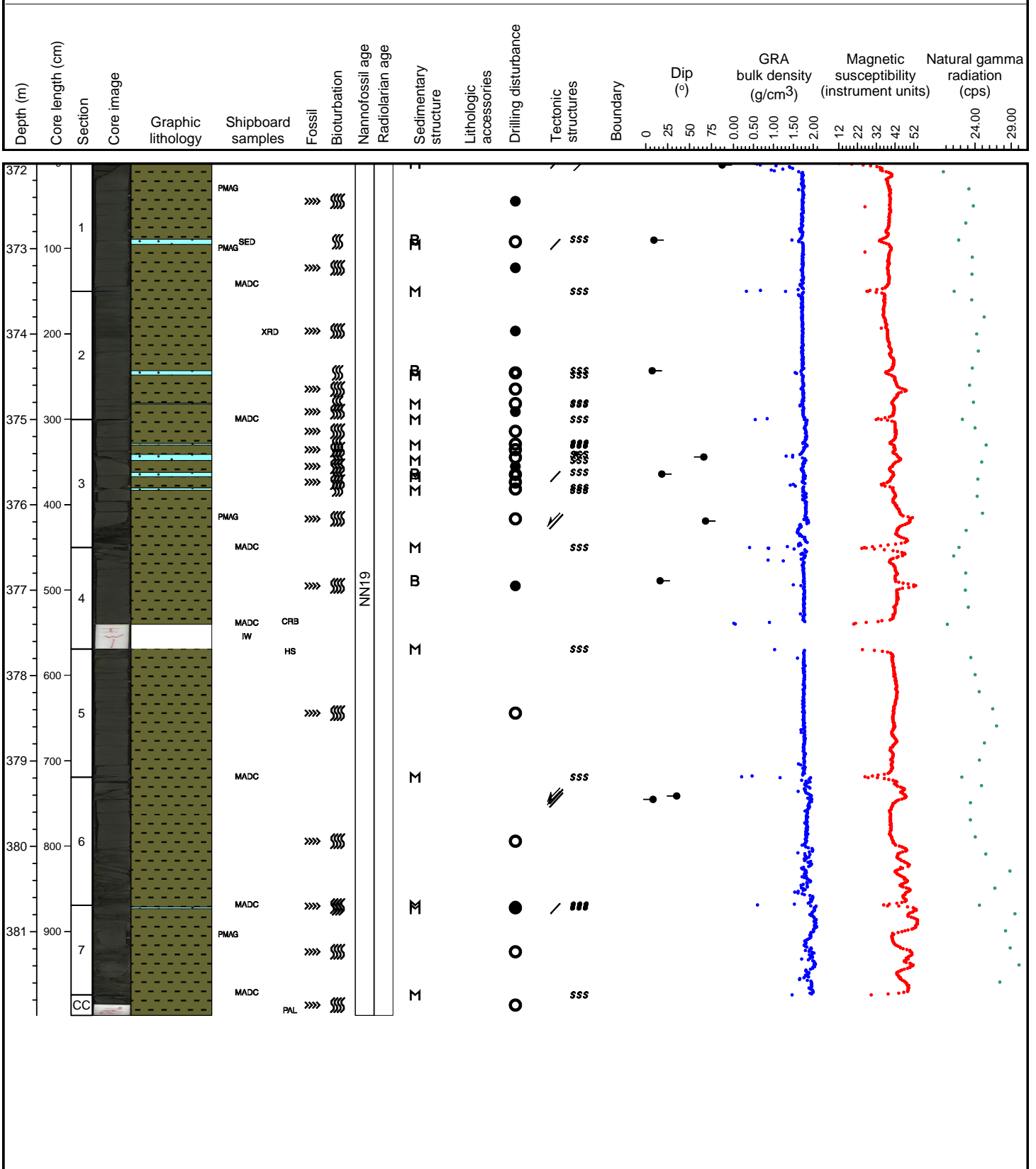
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)	Natural gamma radiation (cps)
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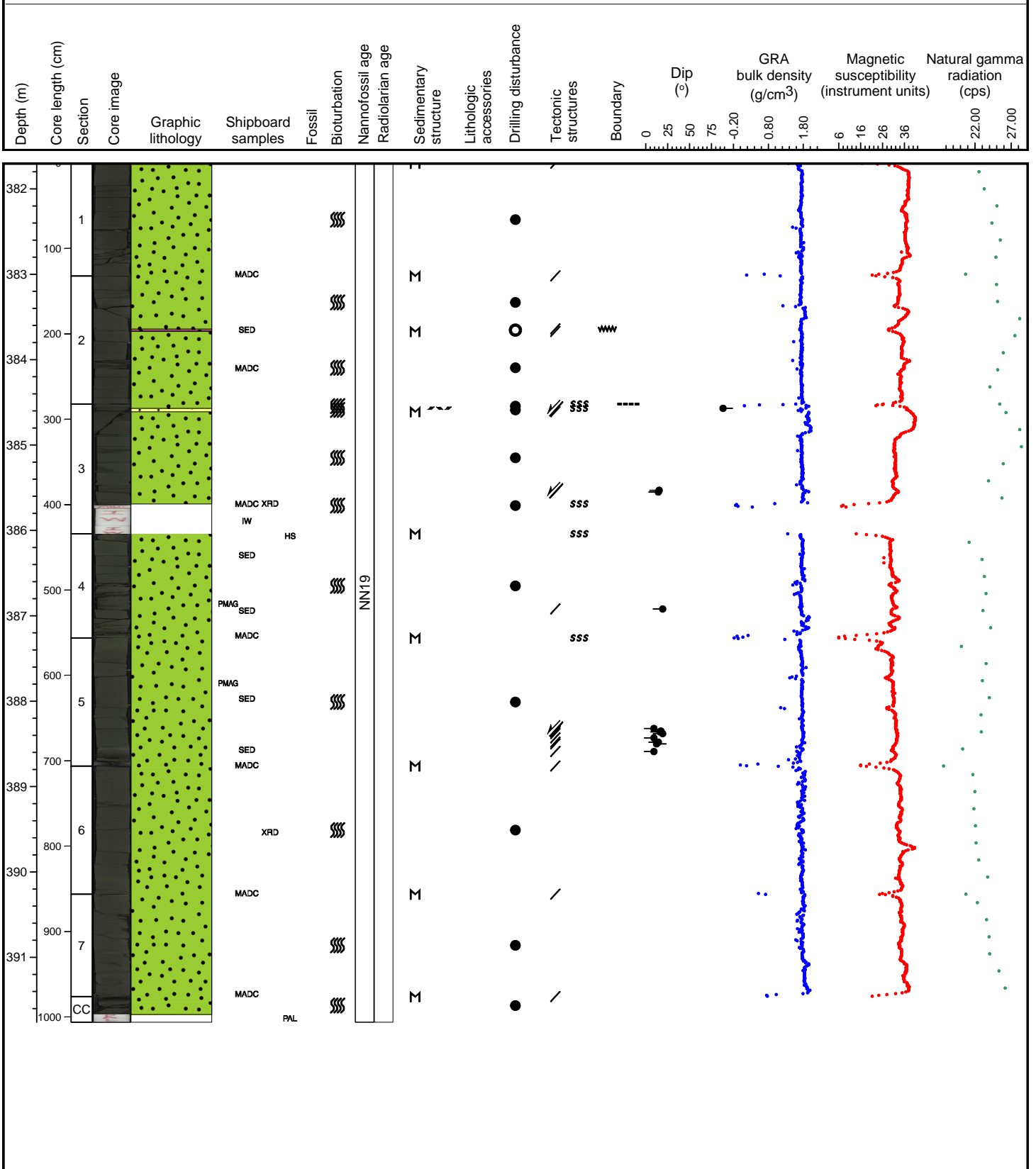
Hole 344-U1413C Core 22R, Interval 372.0-381.98 m (CSF-A)

Dark greenish gray mildly calcareous silty claystone with common shell fragments, but abundant and visible foraminifera and pyrite enriched in cm-thick horizons. Terrigenous matrix has rare to common minerals and sapropel fragments. Bioturbation is common. 8 cm-sized layers of enriched biogenic matter (tubular chitinic, forams, shells) in section 1, 2, 3 and 7.



Hole 344-U1413C Core 23R, Interval 381.7-391.76 m (CSF-A)

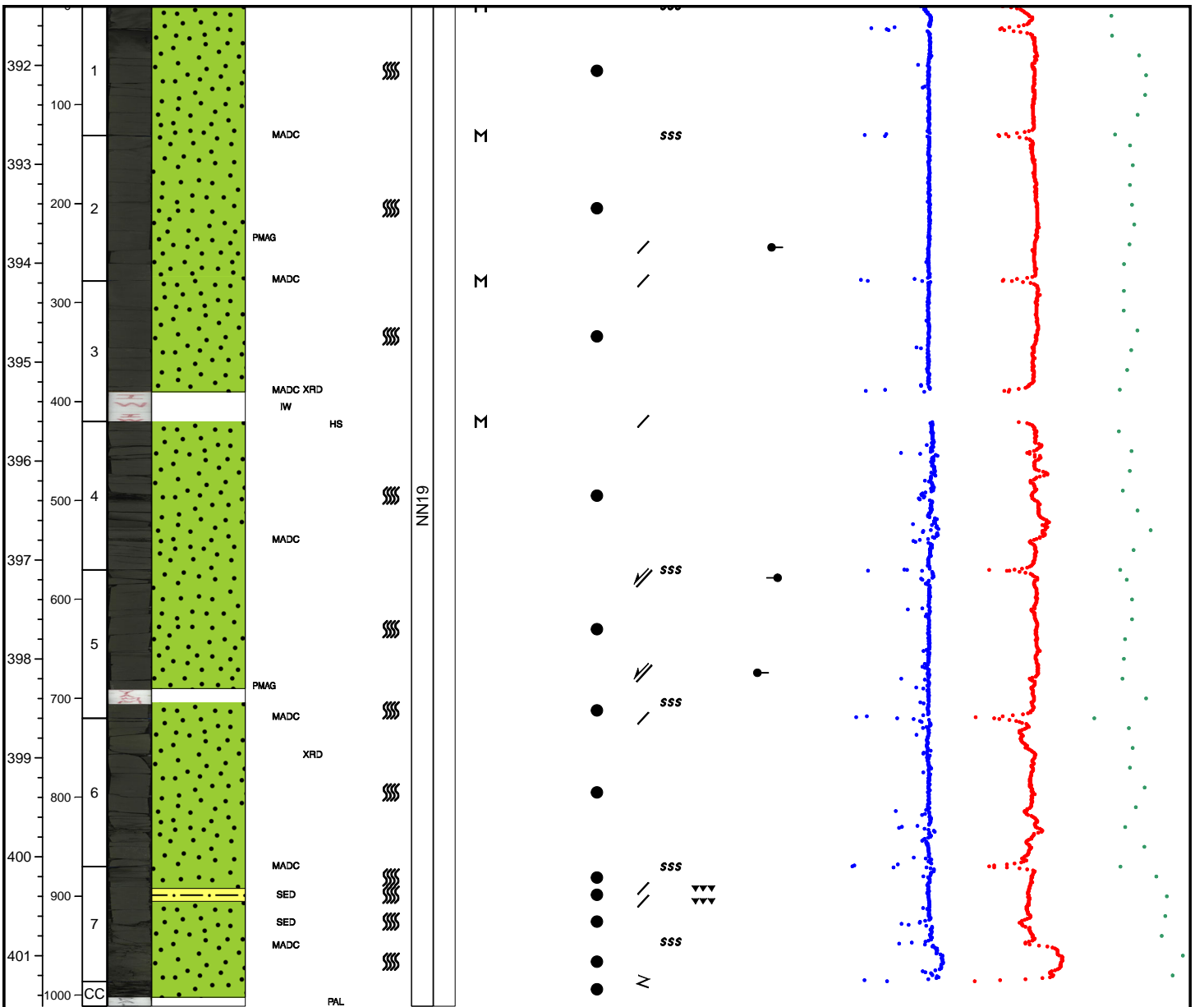
Dark greenish gray mildly calcareous siltstone with common to abundant foraminifera common pyrite rare and small shell fragments, Biogenic components decrease with increasing depth. Light-colored slumpy well-sorted ash layer in section 2 at 62-65 cm. Glauconite rich horizon in section 5 at 128-131 cm. Common bioturbation.



Hole 344-U1413C Core 24R, Interval 391.4-401.51 m (CSF-A)

Dark greenish gray massive siltstone and subordinate sandy siltstone with calcareous matrix. Common foraminifera, common pyrite; rare, shell fragments, calcareous matrix. Rare organic material. Bioturbation common.

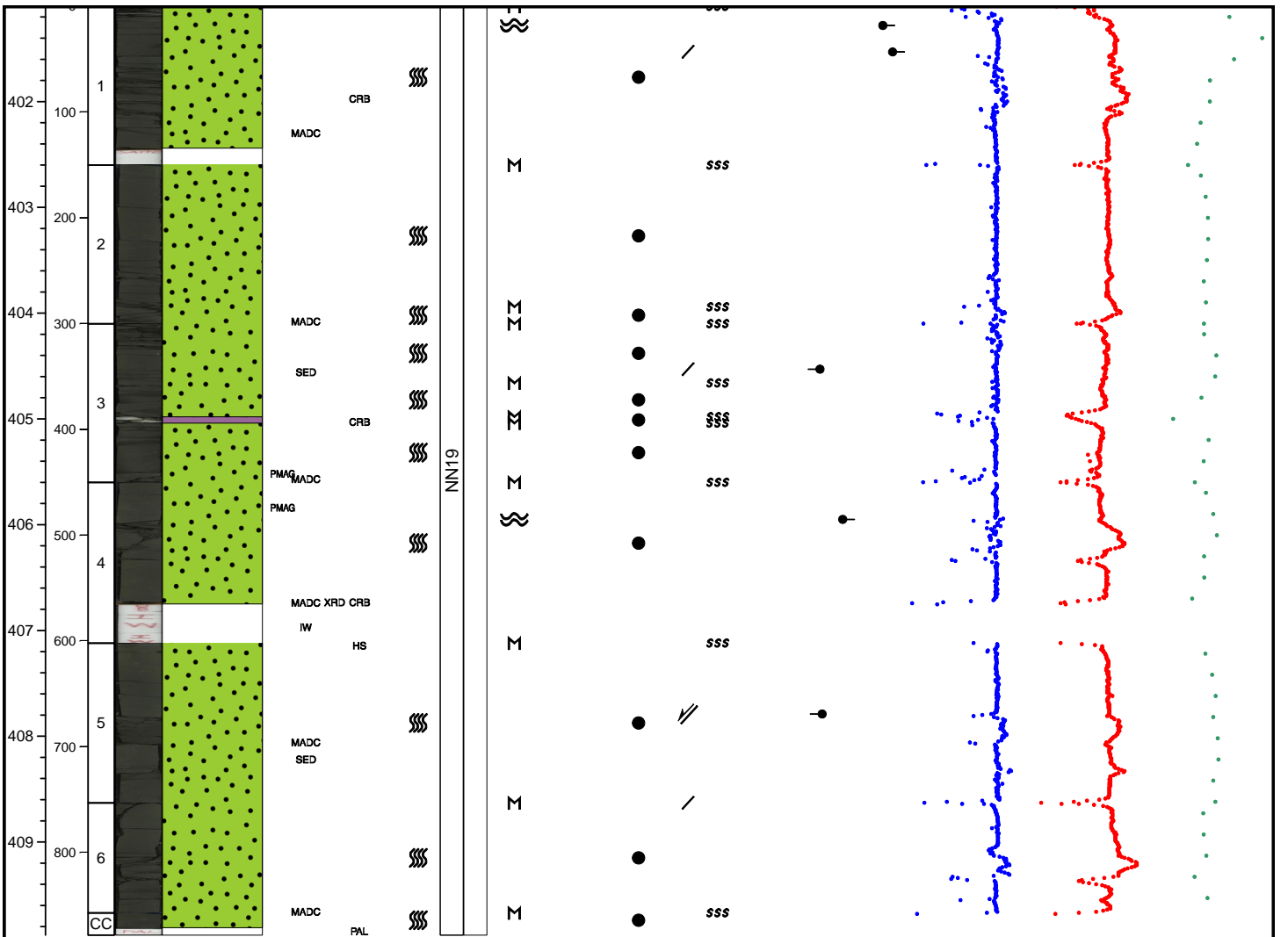
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)	Natural gamma radiation (cps)
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Hole 344-U1413C Core 25R, Interval 401.1-409.88 m (CSF-A)

Dark greenish gray massive siltstone and subordinate sandy siltstone with calcareous matrix. Glauconite starts to appear in lower part of section 2 and first increases with increasing depth to form glauconite-rich lamination in upper part of section 3. A layer of sandy-silty limestone occurs in section 3 at 88-94 cm. Common foraminifera, forming clasts of about 1 cm in the lower part of the core. Common pyrite, shell fragments. Bioturbation common.

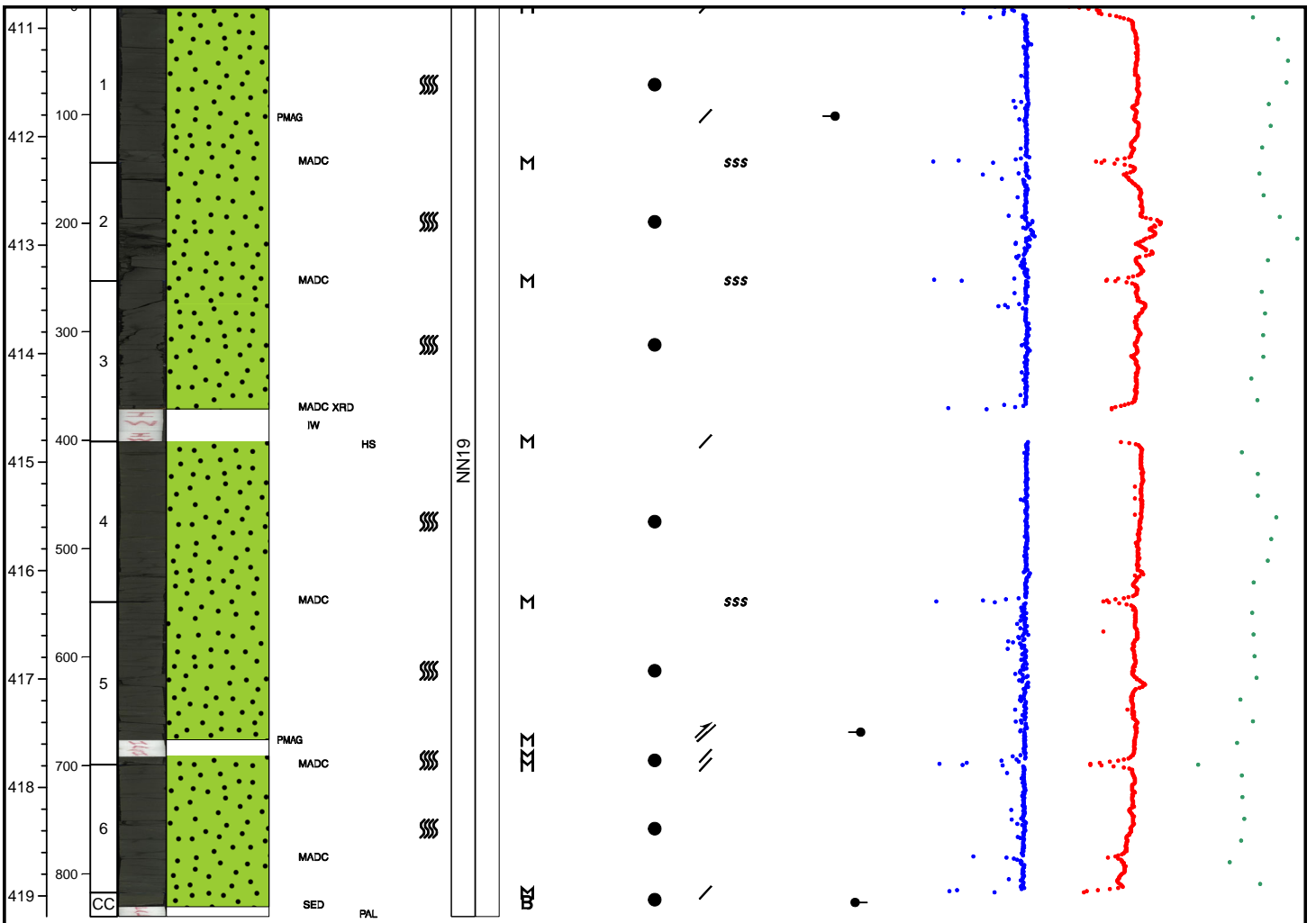
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)	Natural gamma radiation (cps)
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Hole 344-U1413C Core 26R, Interval 410.8-419.19 m (CSF-A)

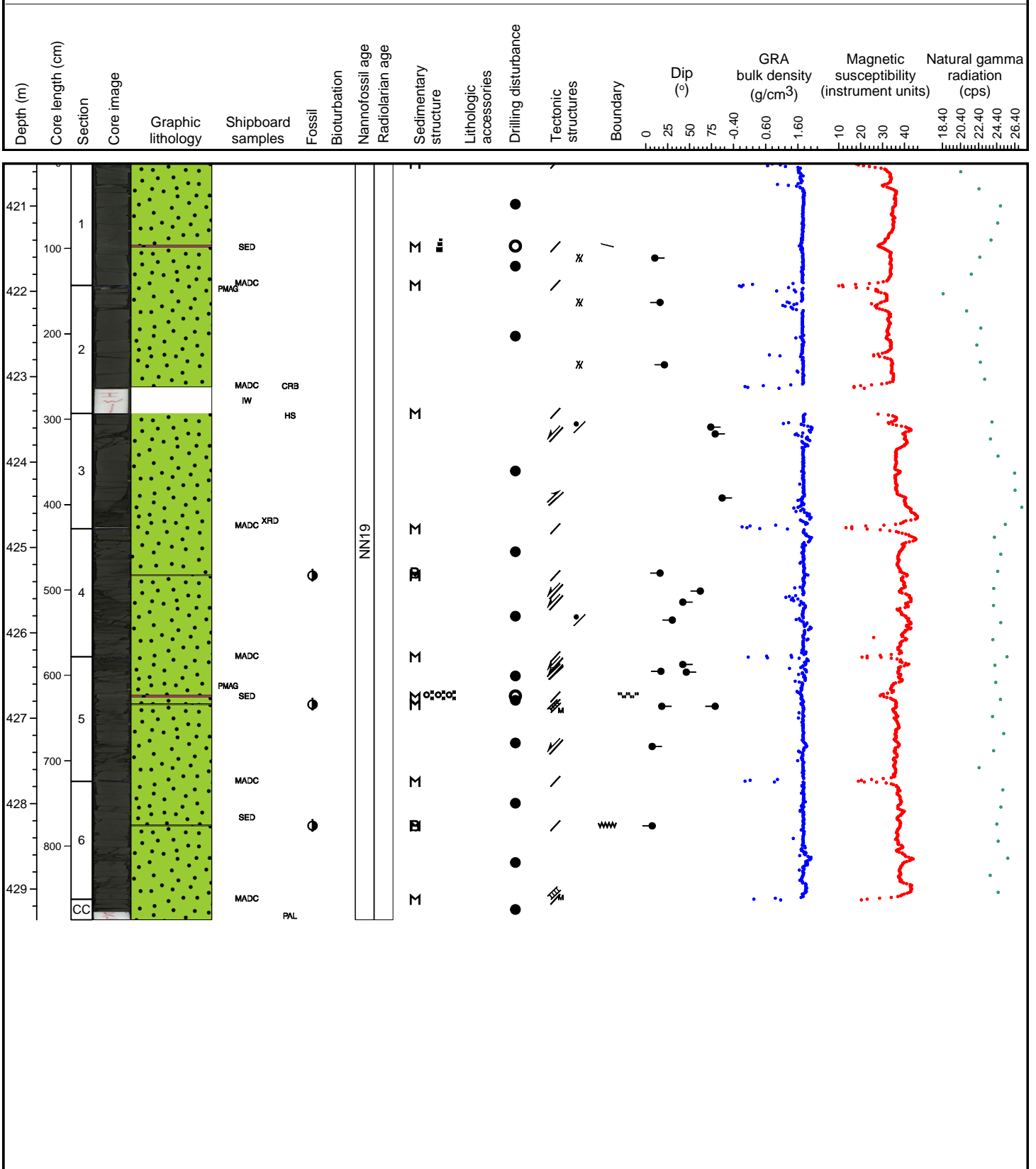
Dark greenish gray massive siltstone with calcareous matrix. Common foraminifera, sometime enriched in cm-sized lumps together with pyrite. A pyrite vein in section 6 at 103 cm. Common pyrite, shell fragments, Bioturbation common.

Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)	Natural gamma radiation (cps)
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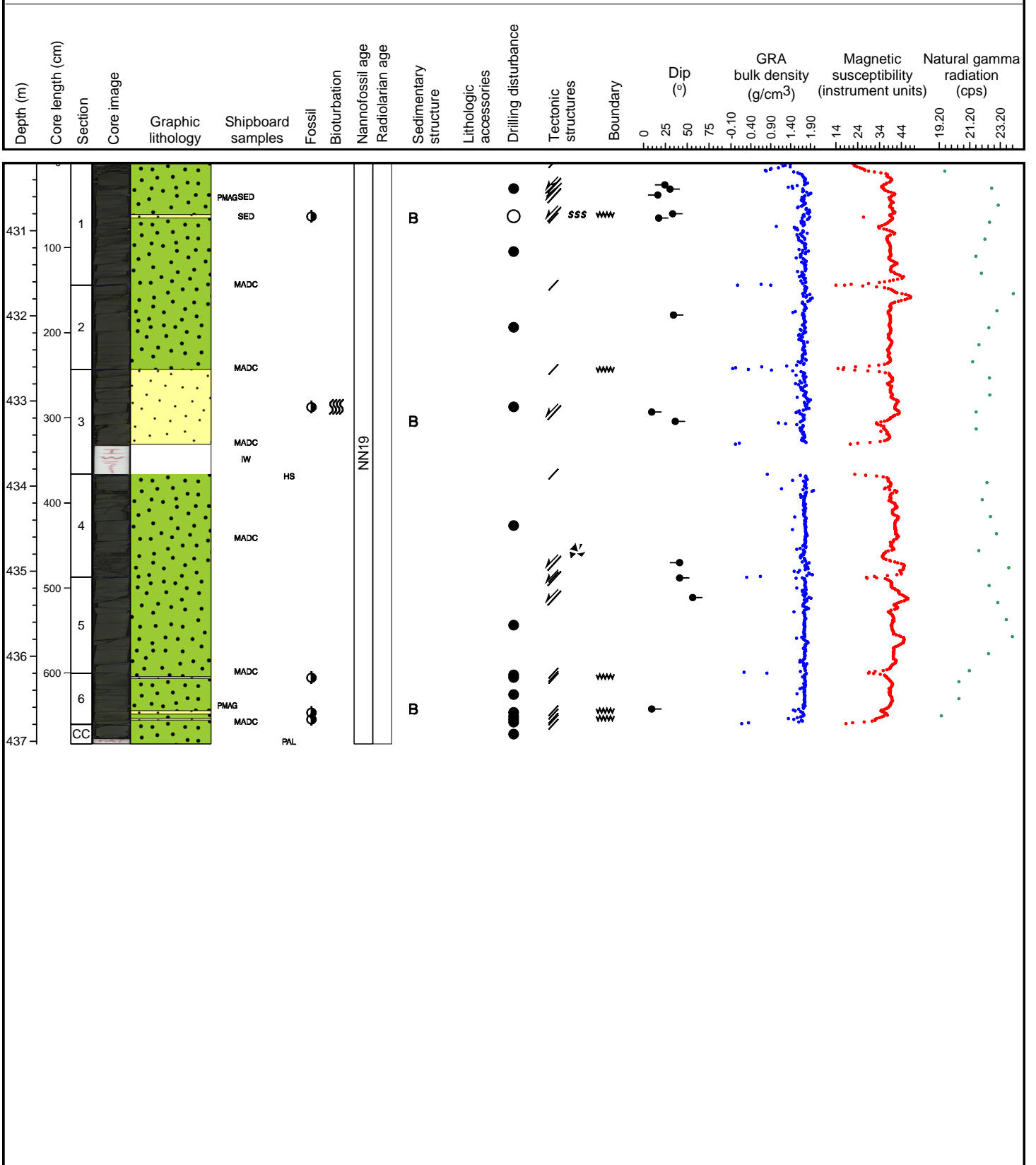
Hole 344-U1413C Core 27R, Interval 420.5-429.36 m (CSF-A)

Dark greenish gray massive siltstone with calcareous matrix. Common foraminifera, sometime enriched in cm-sized lumps together with pyrite. Larger enrichment of pyrite in form of lenses and concretions all over the core. Common pyrite, shell fragments in matrix, Bioturbation common and two partly eroded pinkish grey ash layers are intercalated (section: 97-98, section 5: 45 to 47cm) together with some 0.5 cm sized pods that are disseminated all over the core. Two cm-thick layers of enriched glauconite in section 5 and 6.



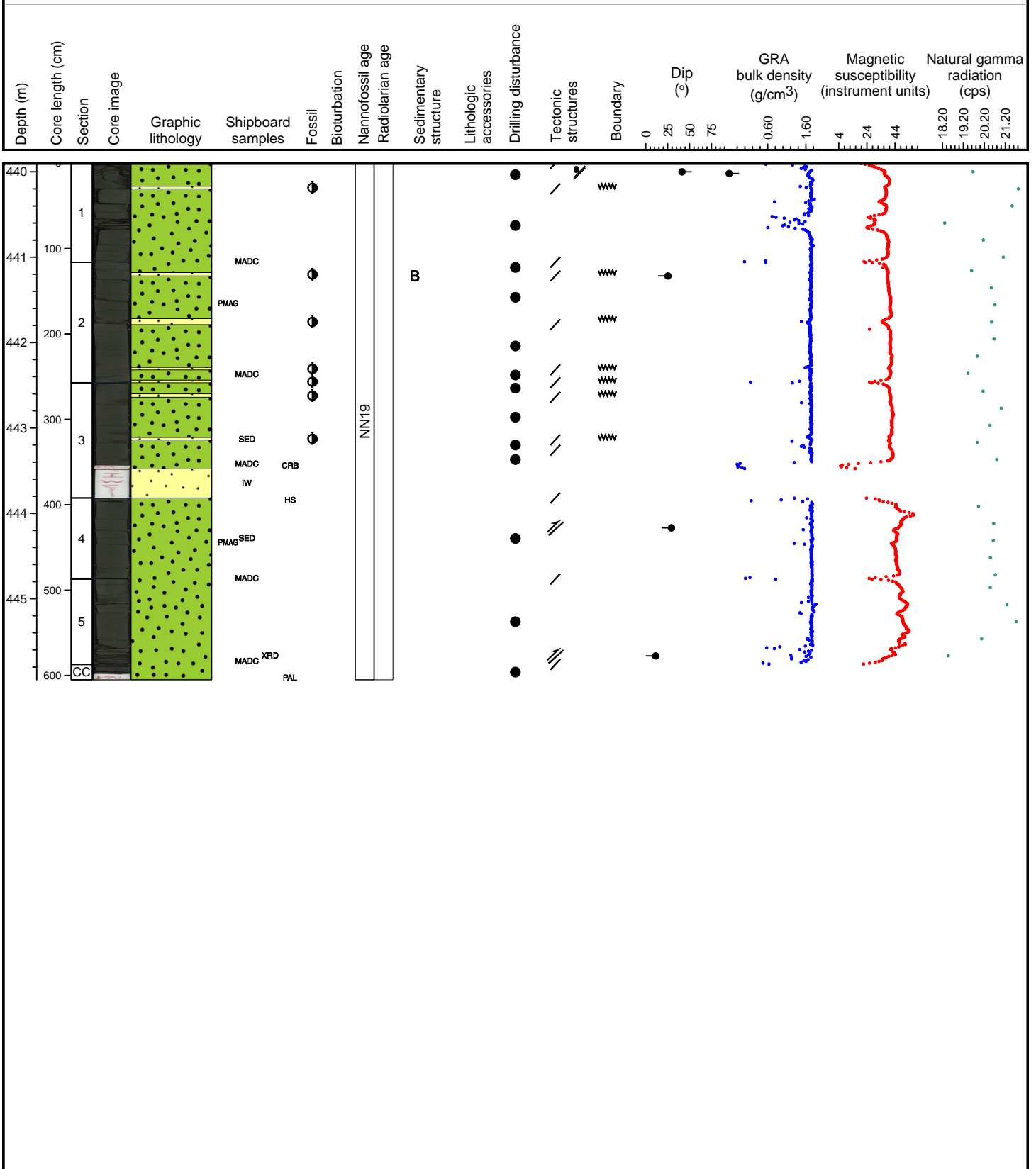
Hole 344-U1413C Core 28R, Interval 430.2-437.03 m (CSF-A)

Dark greenish gray massive siltstone with calcareous matrix. Sand layers intercalated are up to 5 cm and rich in shell fragments and forams. Common foraminifera, sometime enriched in cm-sized lumps together with pyrite. Larger enrichment of pyrite in form of lenses and concretions all over the core. Common pyrite, shell fragments in matrix, Bioturbation common Two cm-thick layers of enriched glauconite in section 1 and 6.



Hole 344-U1413C Core 29R, Interval 439.9-445.95 m (CSF-A)

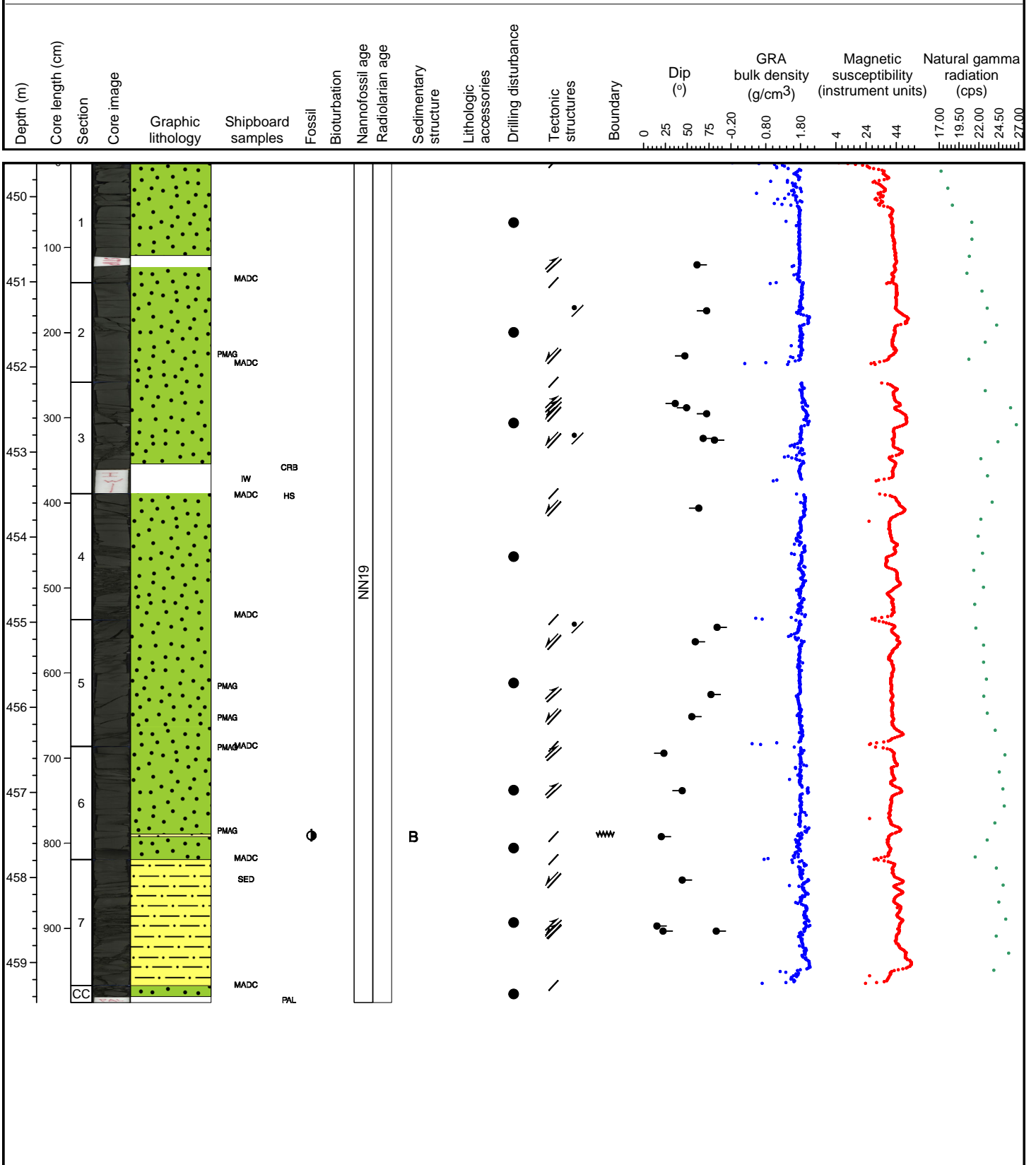
Greenish gray massive siltstone with calcareous matrix. Sand layers intercalated are up to 5 cm and rich in shell fragments and forams. Common foraminifera, sometime enriched in cm-sized lumps together with pyrite. Larger enrichment of pyrite and glauconite in form of lenses and concretions all over the core but particular for pyrite in section 2: 46 to 57 cm. Bioturbation common. One erosive contact in section 3 77 to 80 cm. Below erosive contact sandstone layers are missing.





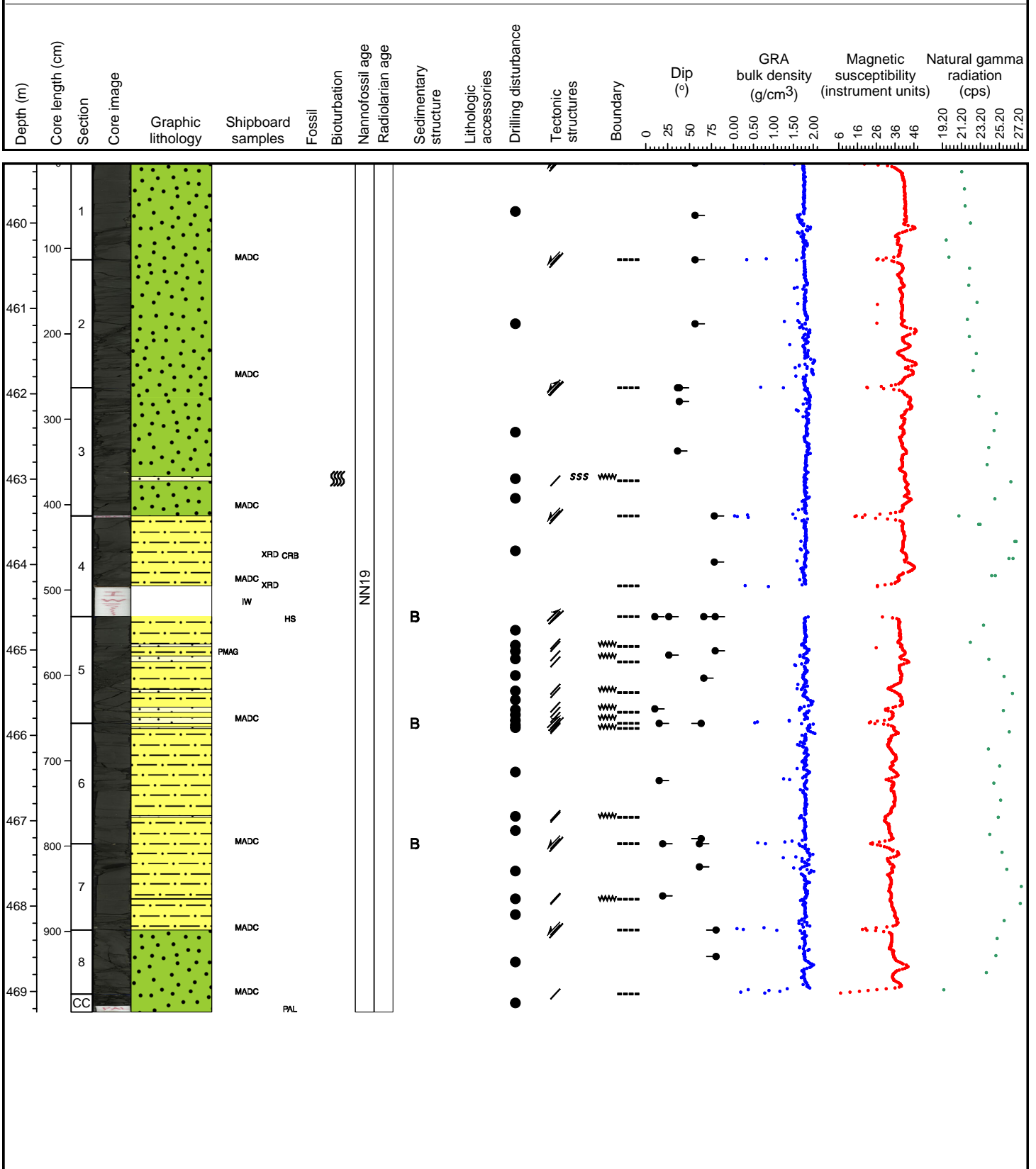
Hole 344-U1413C Core 30R, Interval 449.6-459.47 m (CSF-A)

Greenish gray massive siltstone with mildly calcareous matrix. A reduction of sand layers and shell fragments and forams. Short interval of sandy silt on section 7. Overall reduction of glauconite, pyrite and biogenic fragments throughout the core.



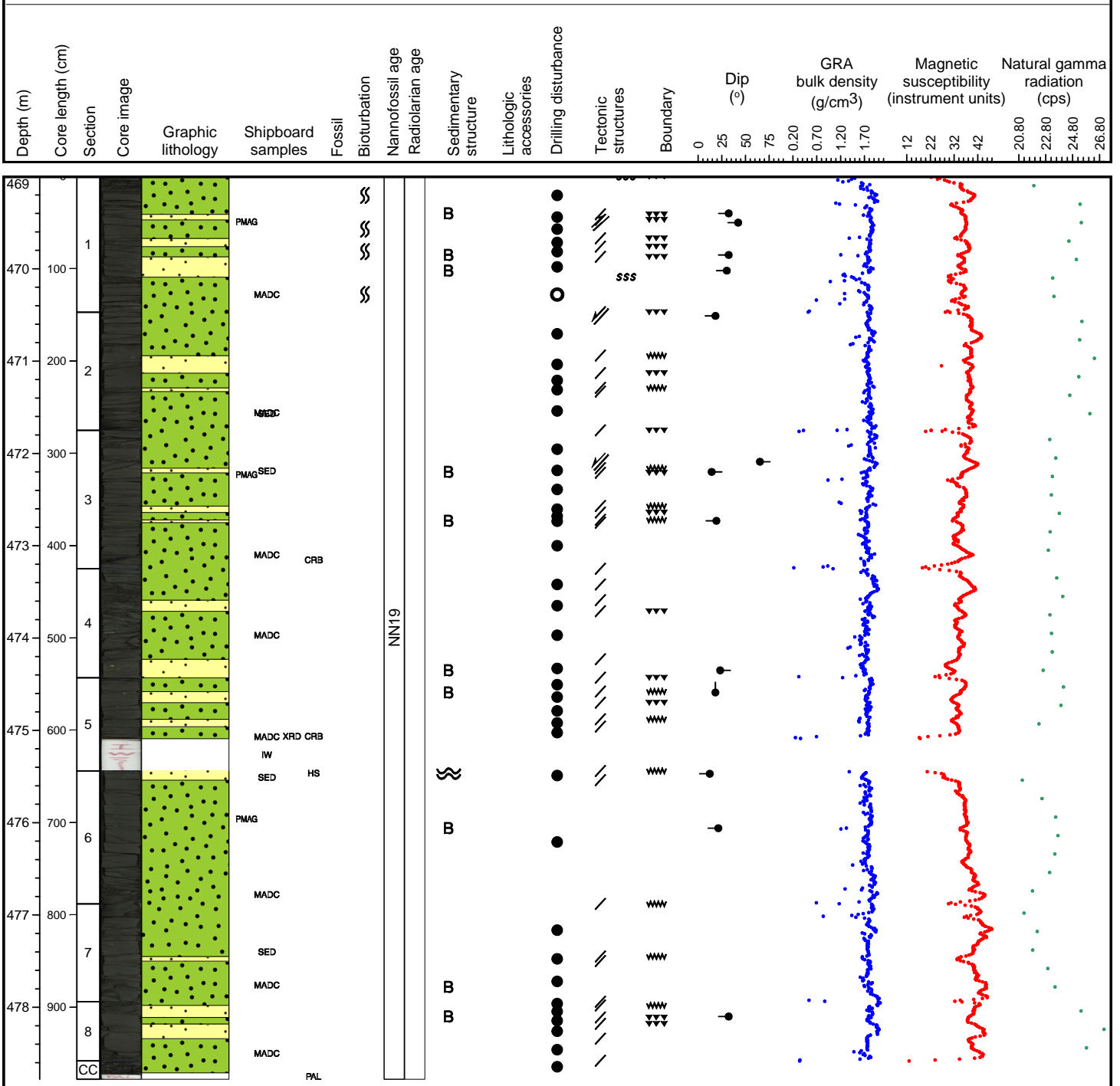
Hole 344-U1413C Core 31R, Interval 459.3-469.24 m (CSF-A)

Greenish gray massive siltstone with calcareous matrix. Common appearances of intercalated sand layers (moderately inclined) that contains very abundant shells and shell fragments, foraminifera and other biogenic material. The beginning of these visible sand layers of reworked material starts on section 3 at 99 cm. Additionally, reworked fragments of matrix material within the core appear at the top of section 5.



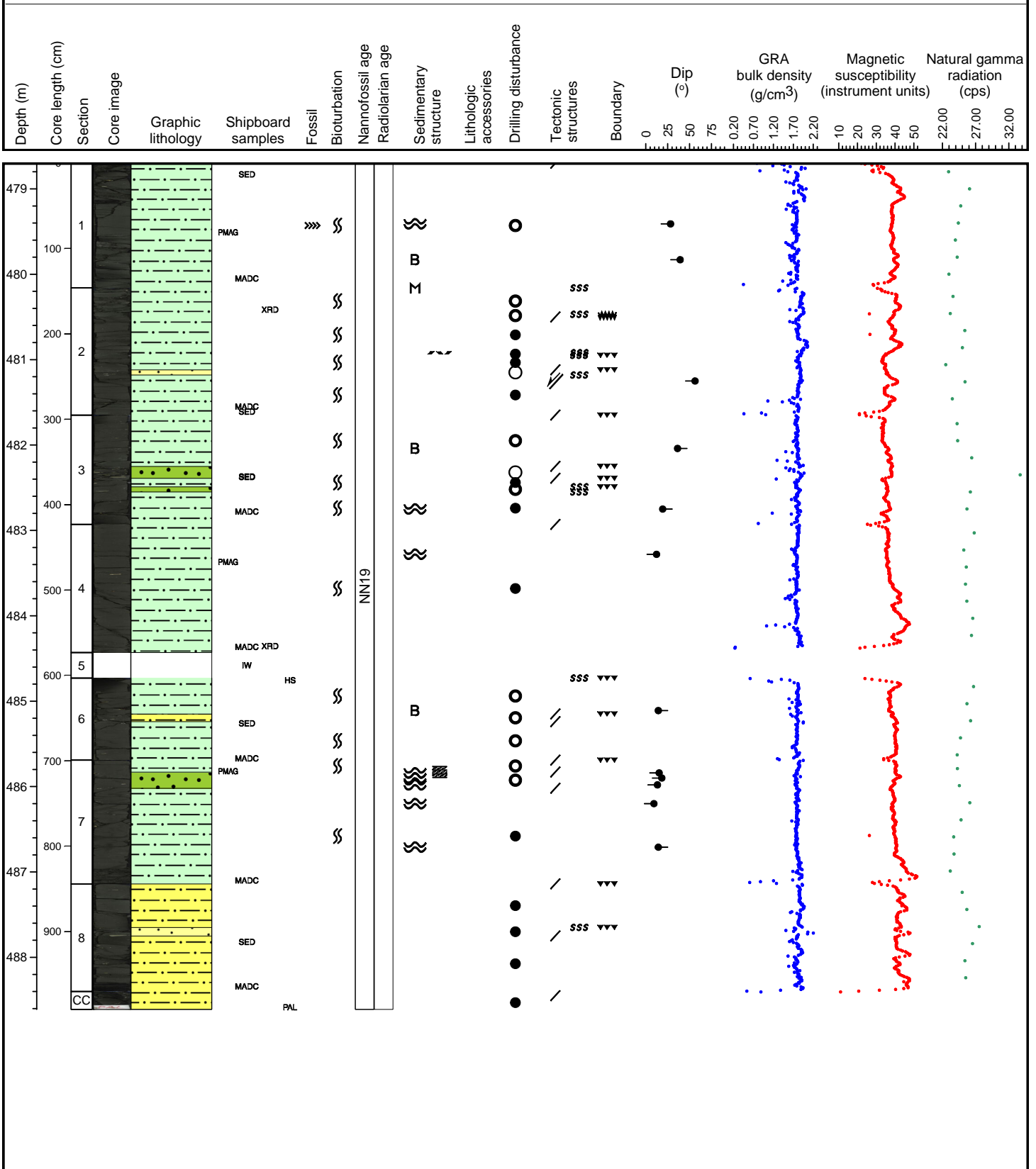
Hole 344-U1413C Core 32R, Interval 469.0-478.78 m (CSF-A)

Greenish gray massive siltstone with calcareous matrix that contains abundant foraminifera, and common shell fragments and glauconite and lesser common pyrite. Frequently intercalated with cm to dm-thick beds of re-deposited medium to coarse sandstone, that are variably enriched in foraminifera, shell fragments and glauconite. Section 4 contains cm-sized limestone nodules at 67 and 81 cm. No visible bioturbation.



Hole 344-U1413C Core 33R, Interval 478.7-488.61 m (CSF-A)

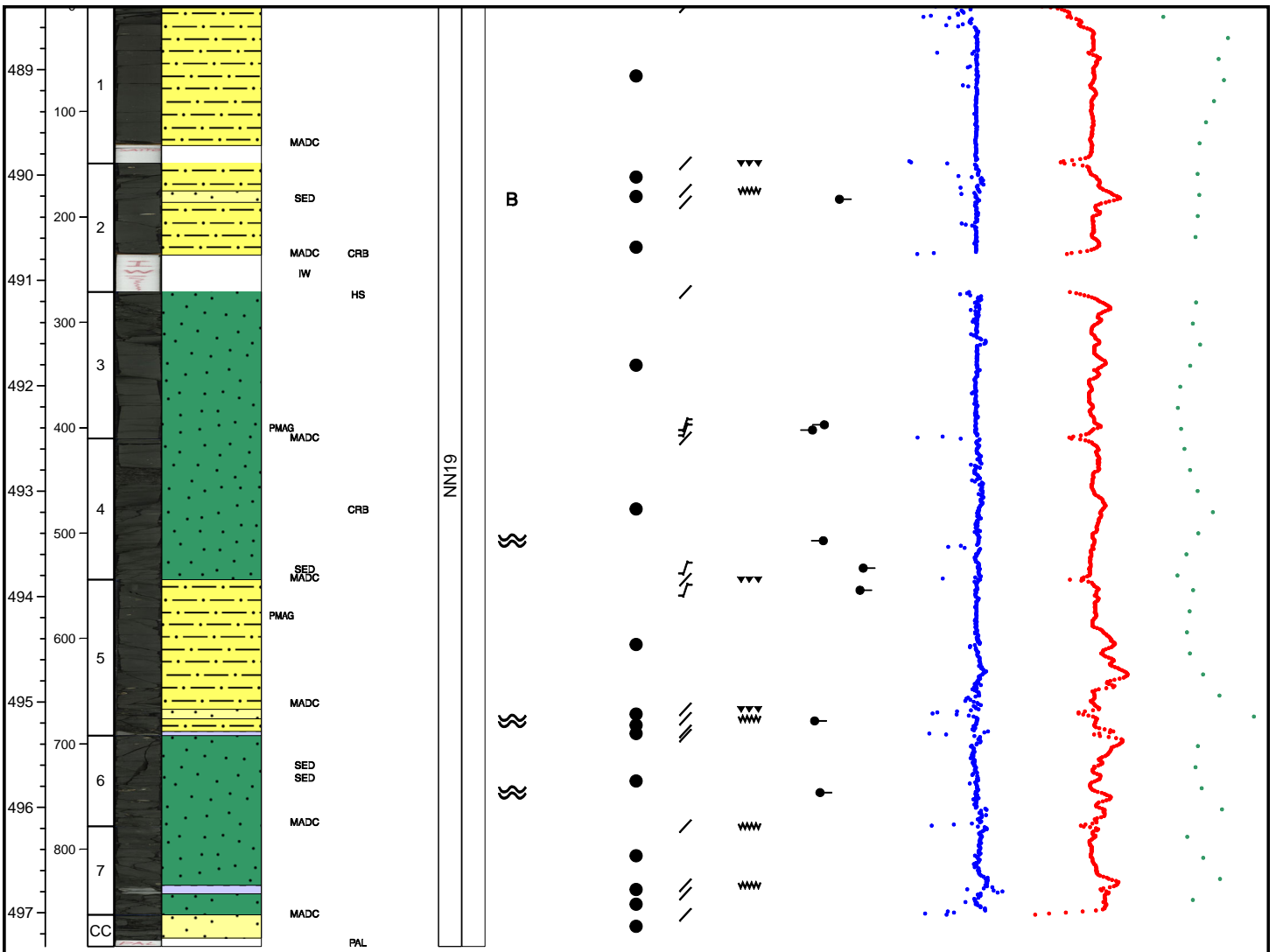
Very dark greenish gray alternating layers of clayey siltstone, siltstone and sandy siltstone with abundant biogenic fragments such as foraminifera, scaphopods and small and large shell fragments. Organic material is common as well as pyrite. Common well-rounded clasts of limestone and increasingly more common smaller clasts of siltstone. Biogenic and lithics clast often enriched in diffuse cm- to dm-thick horizons. Reworking is common.



Hole 344-U1413C Core 34R, Interval 488.4-497.32 m (CSF-A)

Greenish gray massive sandy siltstone and silty sandstone with abundant foraminifera, common shell fragments (gastropods, scaphopods) glauconite and rare pyrite and organic components. Limestone nodules in section 5 at 144-148 cm, and section 7 at 56-64 cm. No bioturbation.

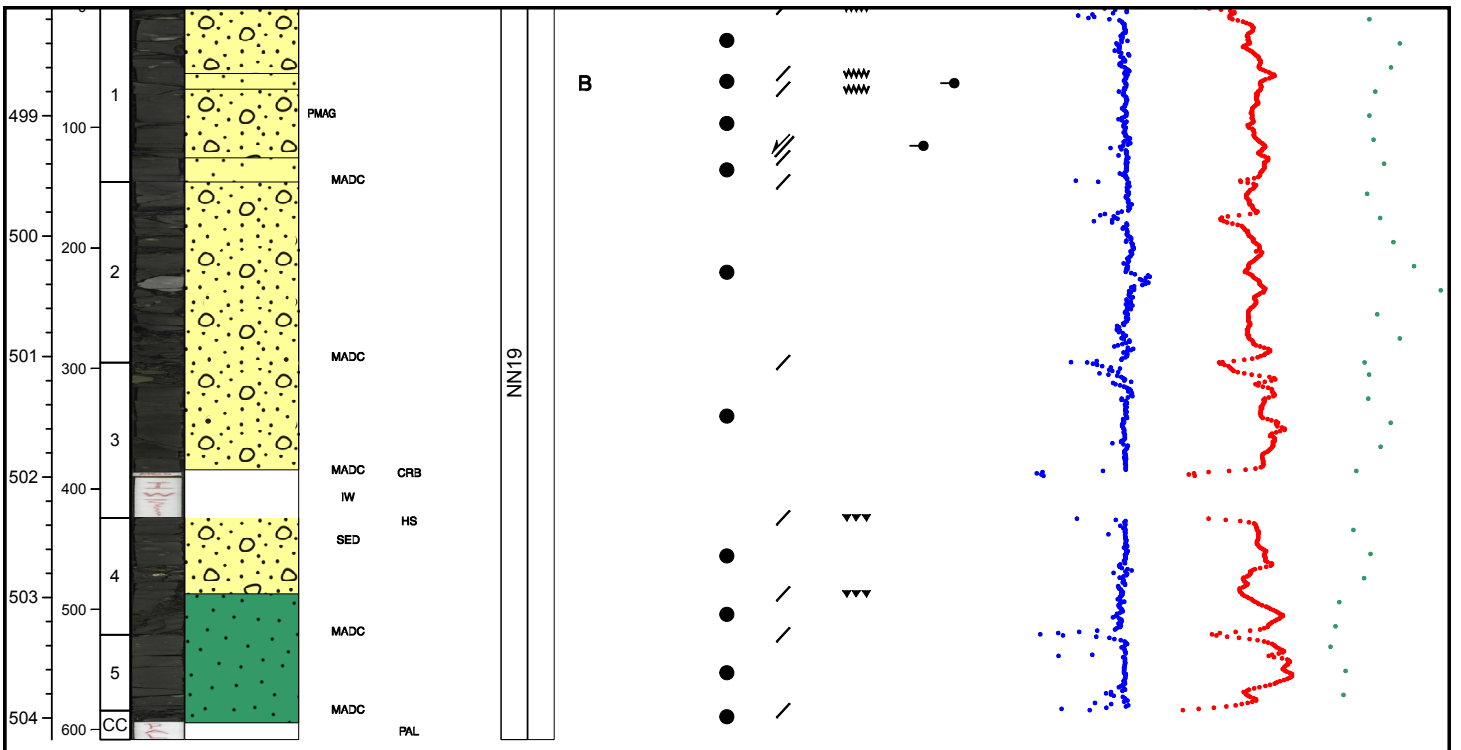
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)	Natural gamma radiation (cps)



Hole 344-U1413C Core 35R, Interval 498.1-504.18 m (CSF-A)

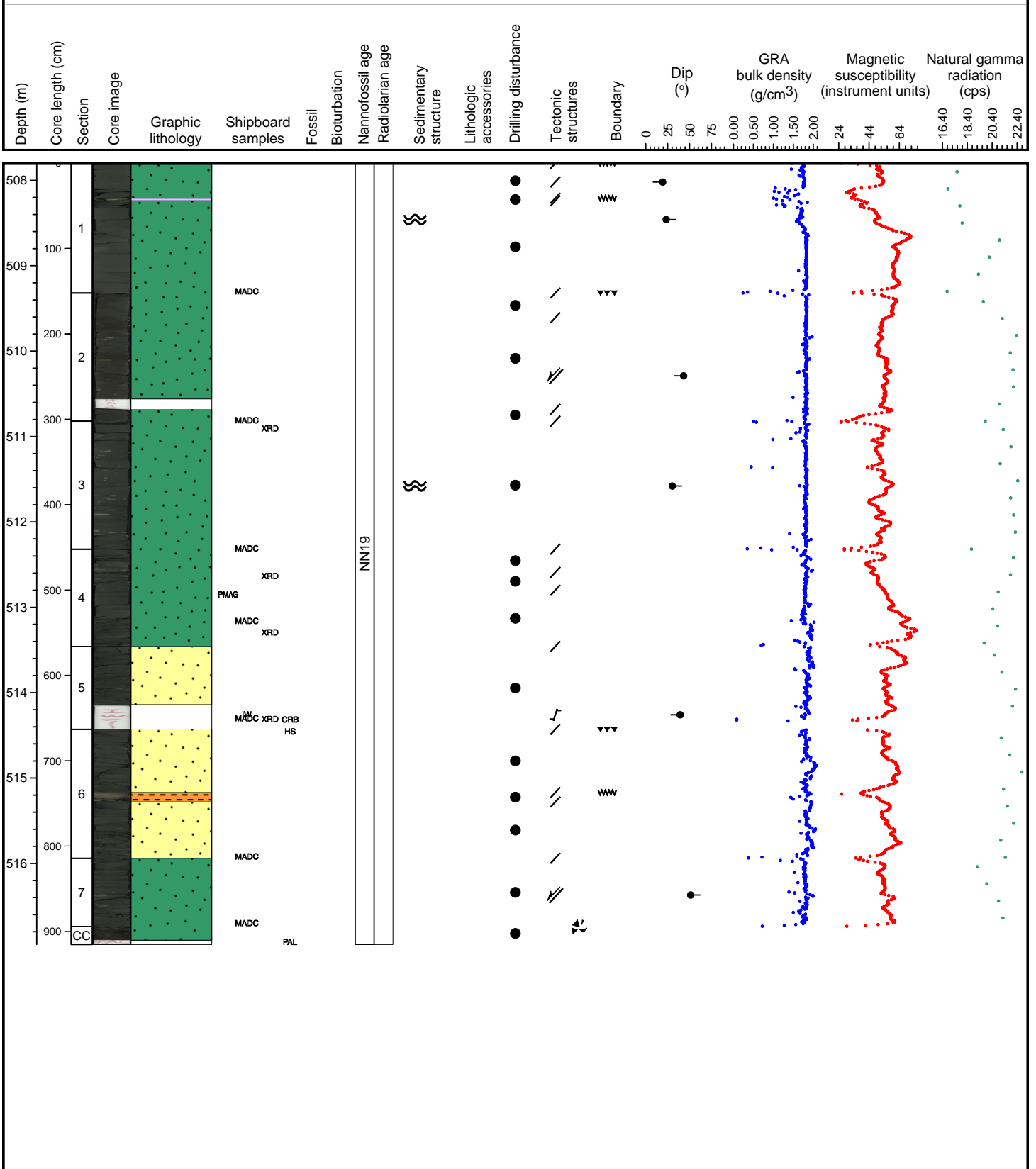
Greenish gray alternation of sandy siltstone with rare to abundant clast and heterogeneous conglomerate with up to dm-sized large clasts of claystone, sandstone and limestone. Common to abundant biogenic fragments, such as shell fragments and lesser foraminifera. Rare pyrite and glauconite. Large claystone clast in section 2 at 28 to 36 cm, and large limestone clast in section 2 at 78 to 91 cm. Matrix is silty to sandy.

Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)		GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)		Natural gamma radiation (cps)	
															0	25		50	75	8	28



Hole 344-U1413C Core 36R, Interval 507.8-516.95 m (CSF-A)

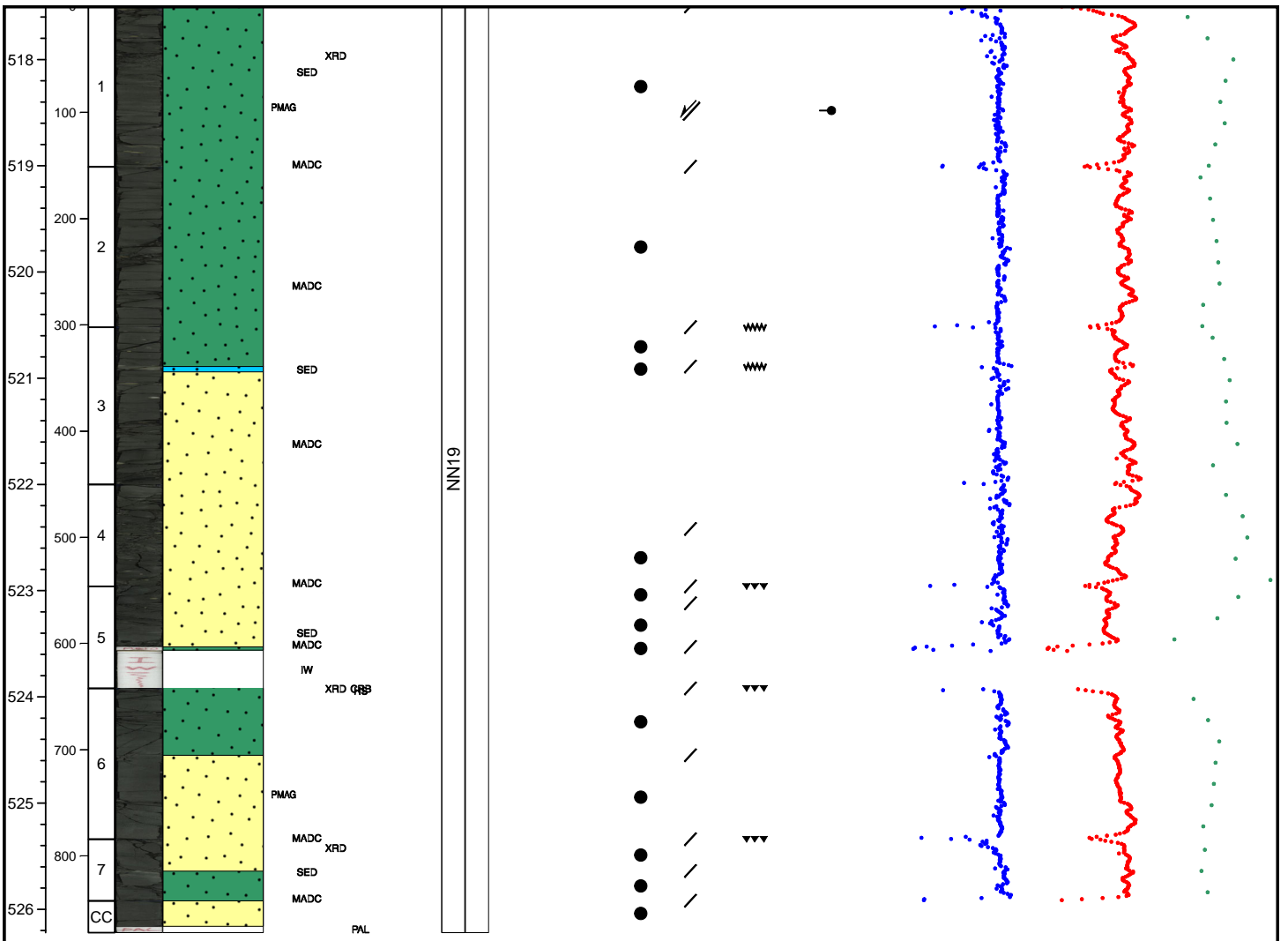
Greenish gray sandstone with horizons of abundant clast of claystone, sandstone and limestone from mm- to cm-sized. Common to abundant biogenic fragments, such as shell fragments and lesser foraminifera. Rare pyrite and glauconite. In section 6, large claystone clast containing foraminifera and organic fragments.



Hole 344-U1413C Core 37R, Interval 517.5-526.22 m (CSF-A)

Beginning with greenish gray sandstone with rare biogenic fragments, organic matter, and fewer clasts of limestone, sandstone and claystone. In section 5 at 16 cm, lithology transitions into silty sandstone and sandstone. Free of biogenic debris and rock clasts. In section 3, there is calcareous sandstone at 37-42 cm and a limestone nodule at 64-65 cm.

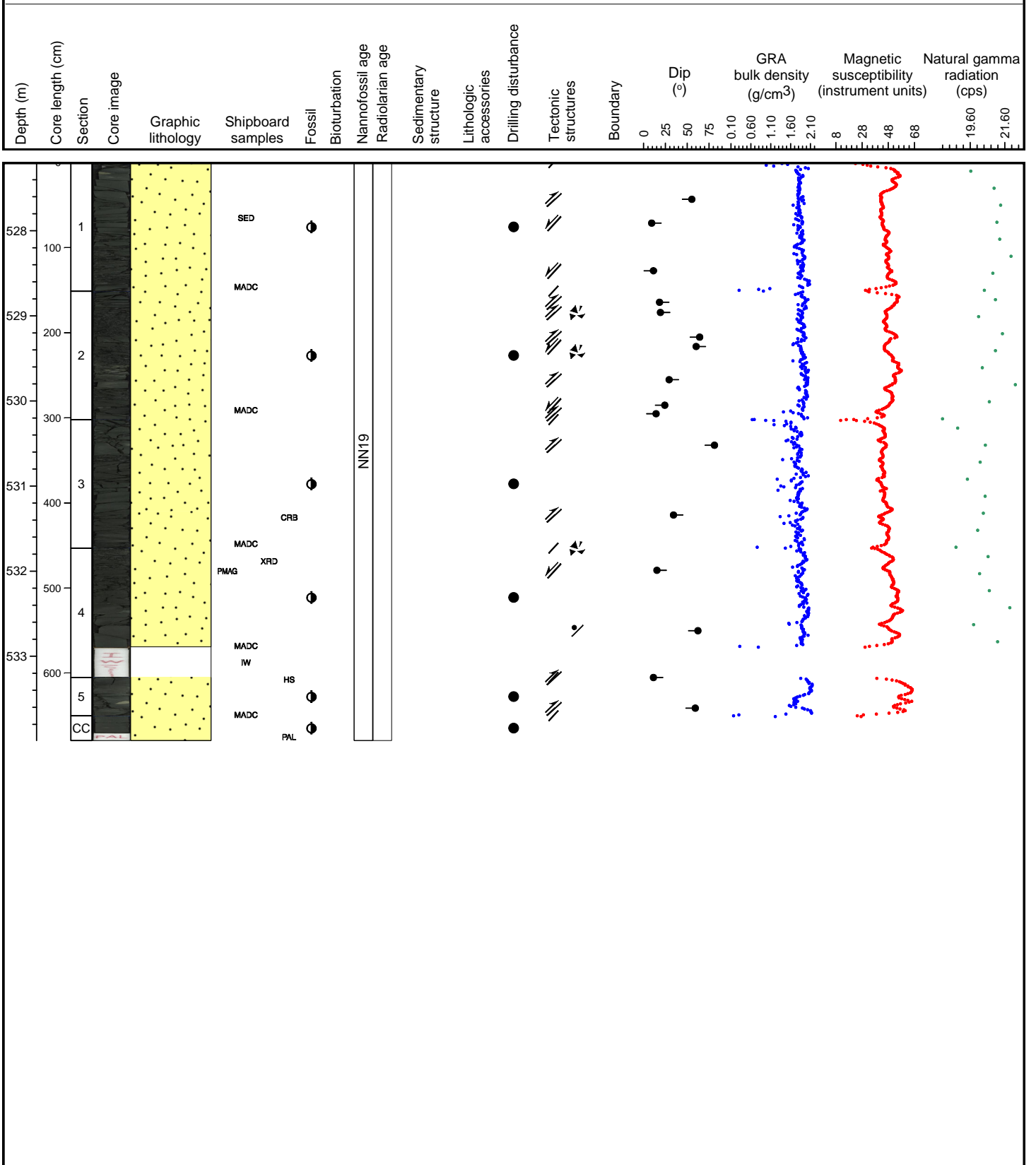
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Shipboard samples	Fossil	Bioturbation	Nannofossil age	Radiolarian age	Sedimentary structure	Lithologic accessories	Drilling disturbance	Tectonic structures	Boundary	Dip (°)	GRA bulk density (g/cm <sup>3</sup> )	Magnetic susceptibility (instrument units)	Natural gamma radiation (cps)





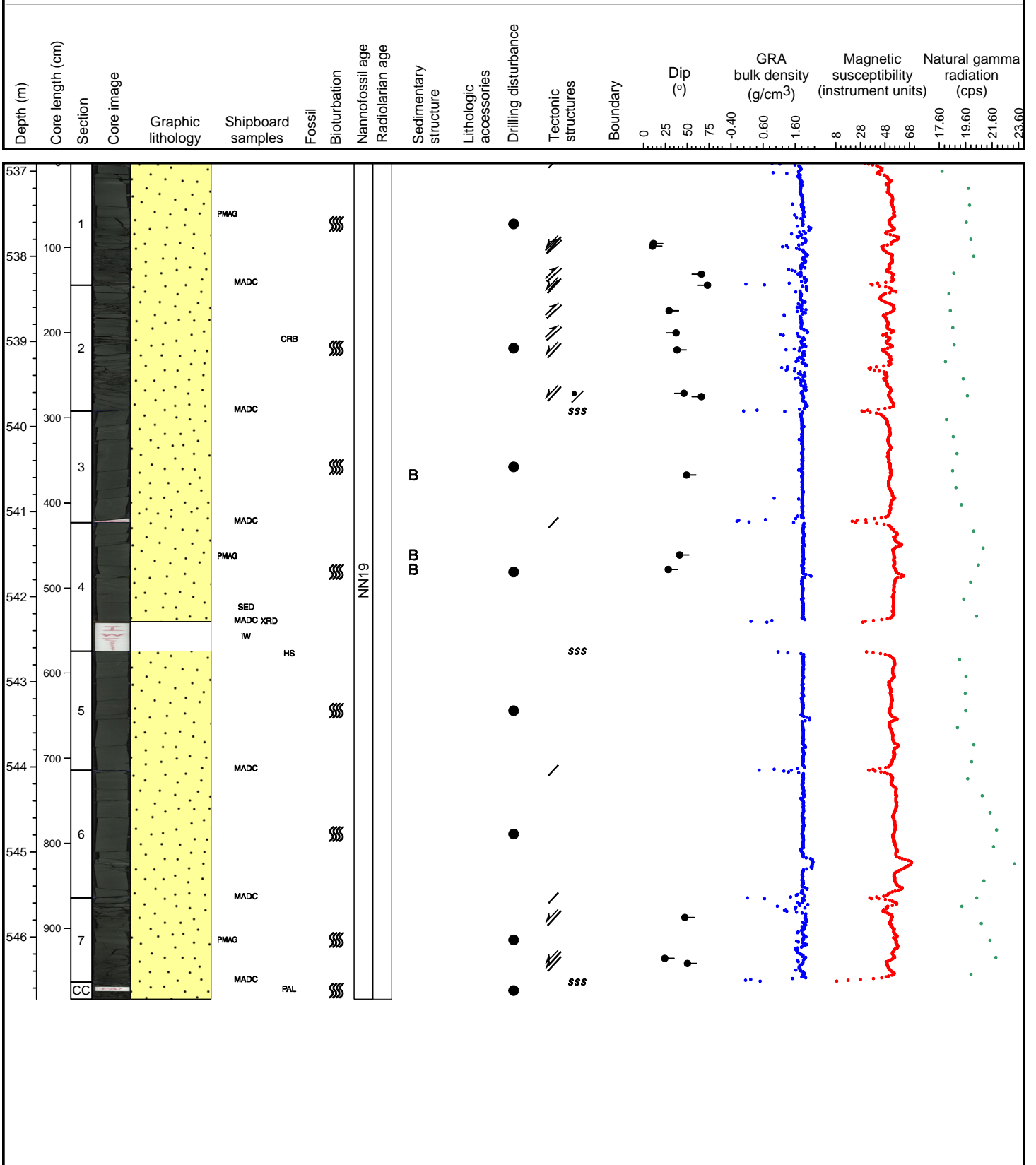
Hole 344-U1413C Core 38R, Interval 527.2-533.99 m (CSF-A)

Beginning with greenish gray fine to medium-grained sandstone with very rare biogenic fragments, organic matter, and only a few carbonate clasts. Section 5 between 0 and 20 there is a large reworked clay 'clast'.



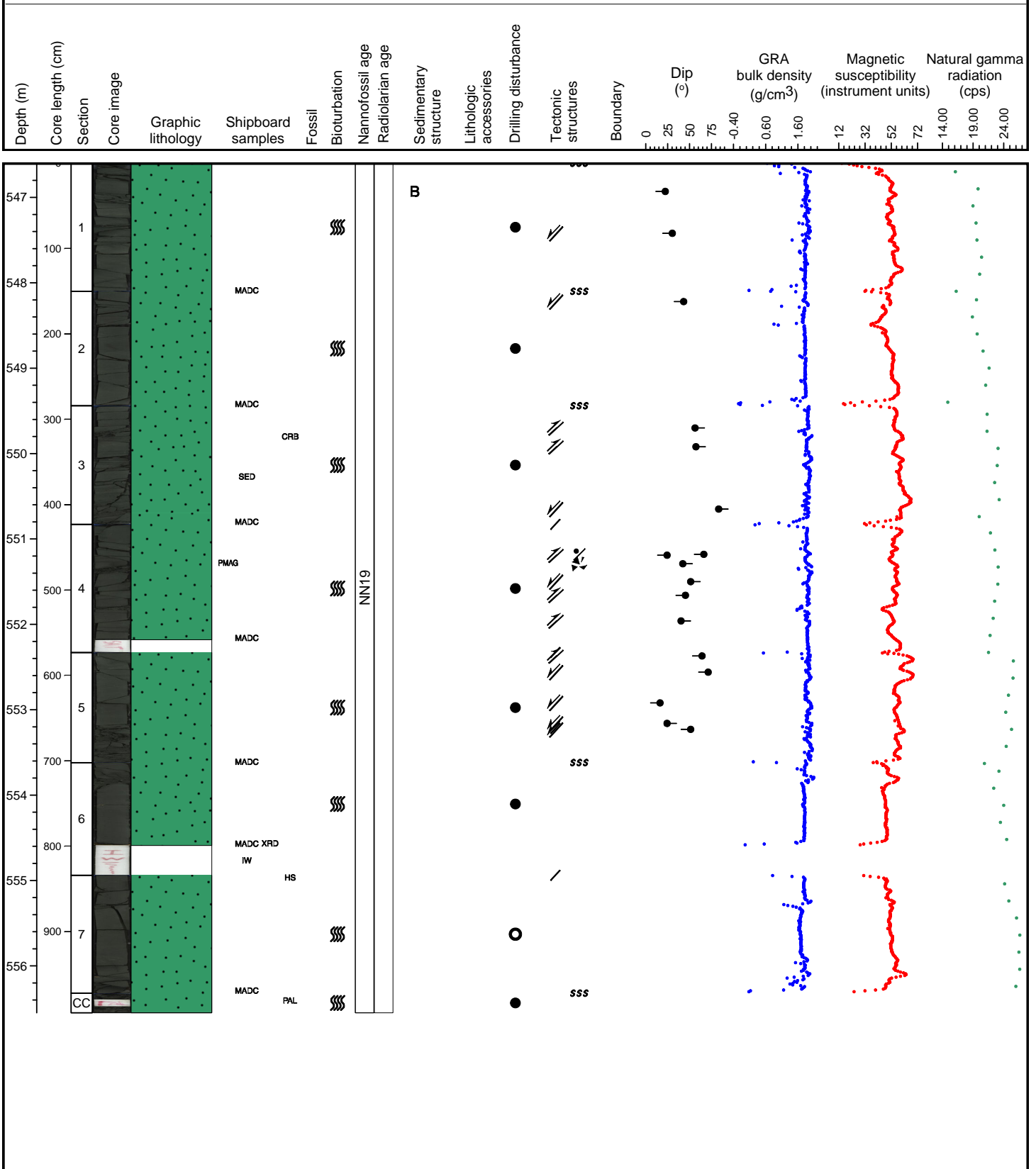
Hole 344-U1413C Core 39R, Interval 536.9-546.73 m (CSF-A)

Beginning with greenish gray medium-grained laminated sandstone with rare shell fragments but abundant organic matter (sapropel). No carbonate clasts observed.



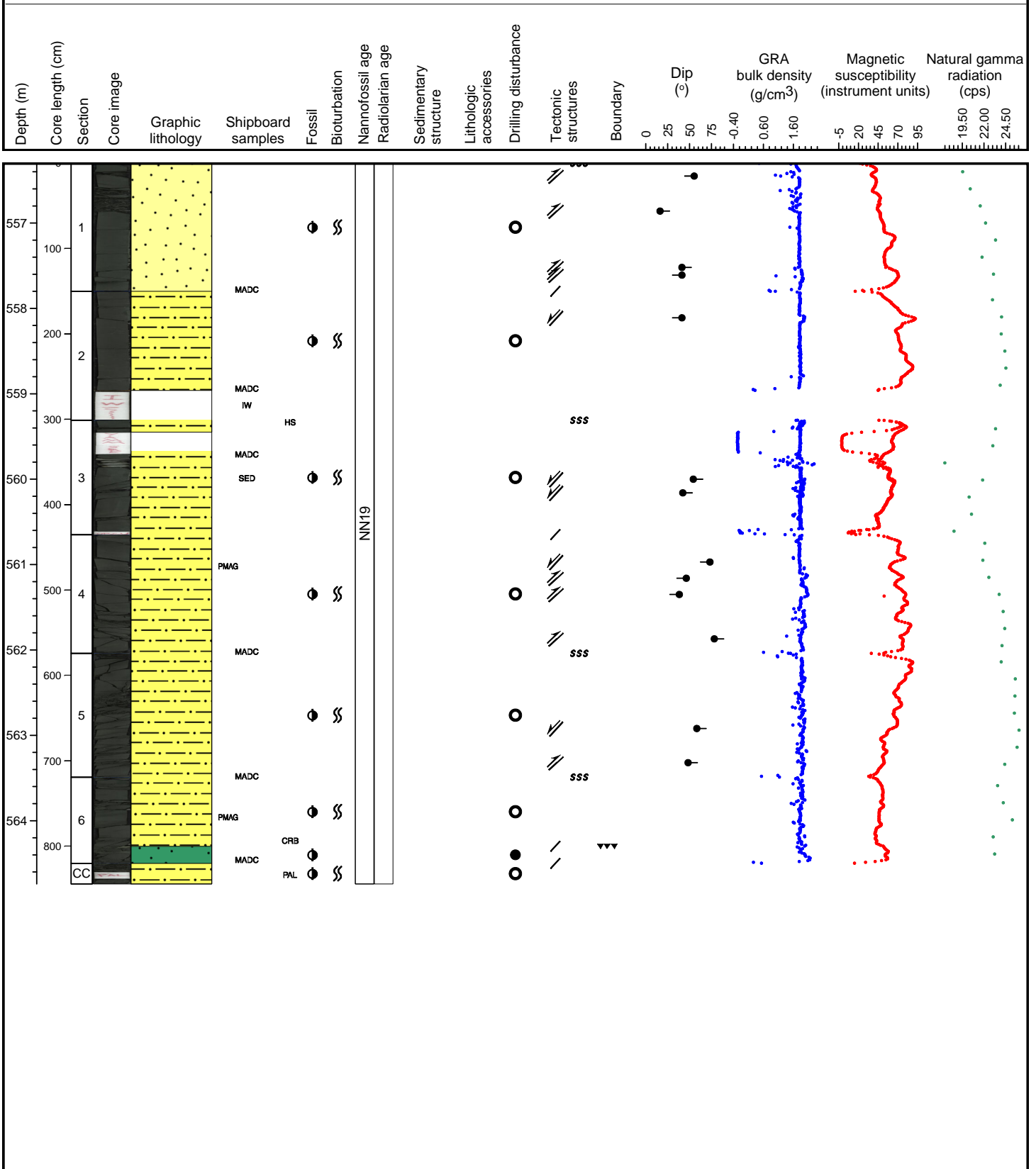
Hole 344-U1413C Core 40R, Interval 546.6-556.55 m (CSF-A)

Greenish gray fine to medium-grained, partly, laminated sandstone with rare shell fragments but abundant organic matter (sapropel). No carbonate clasts observed. From core 3 on gastropods and fragments of gastropods getting more abundant toward depth. Dm scaled beds with fine to medium sand at the base and sometimes laminated, very fine sand at the top, but all in all very massive beds.



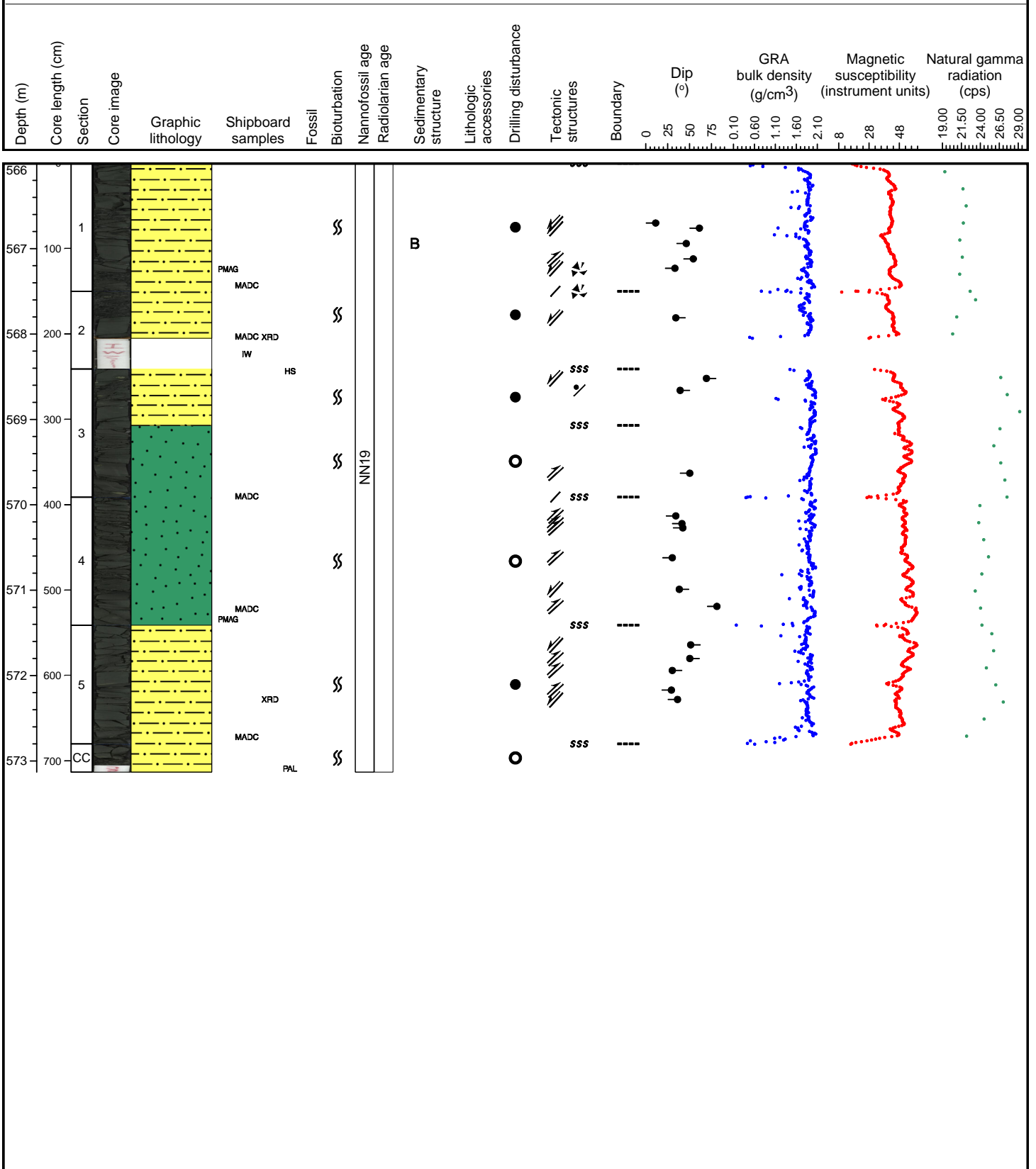
Hole 344-U1413C Core 41R, Interval 556.3-564.74 m (CSF-A)

Greenish gray medium to coarse-grained, partly laminated sandy siltstone with rare shell fragments but abundant organic matter (sapropel) fragments that are found along lamination planes. No carbonate clasts observed but there is a horizon in section 3 (45 to 55 cm) of carbonate-rich cement. Change to fine sandstone at the bottom of the core (section 6 at 81 cm).



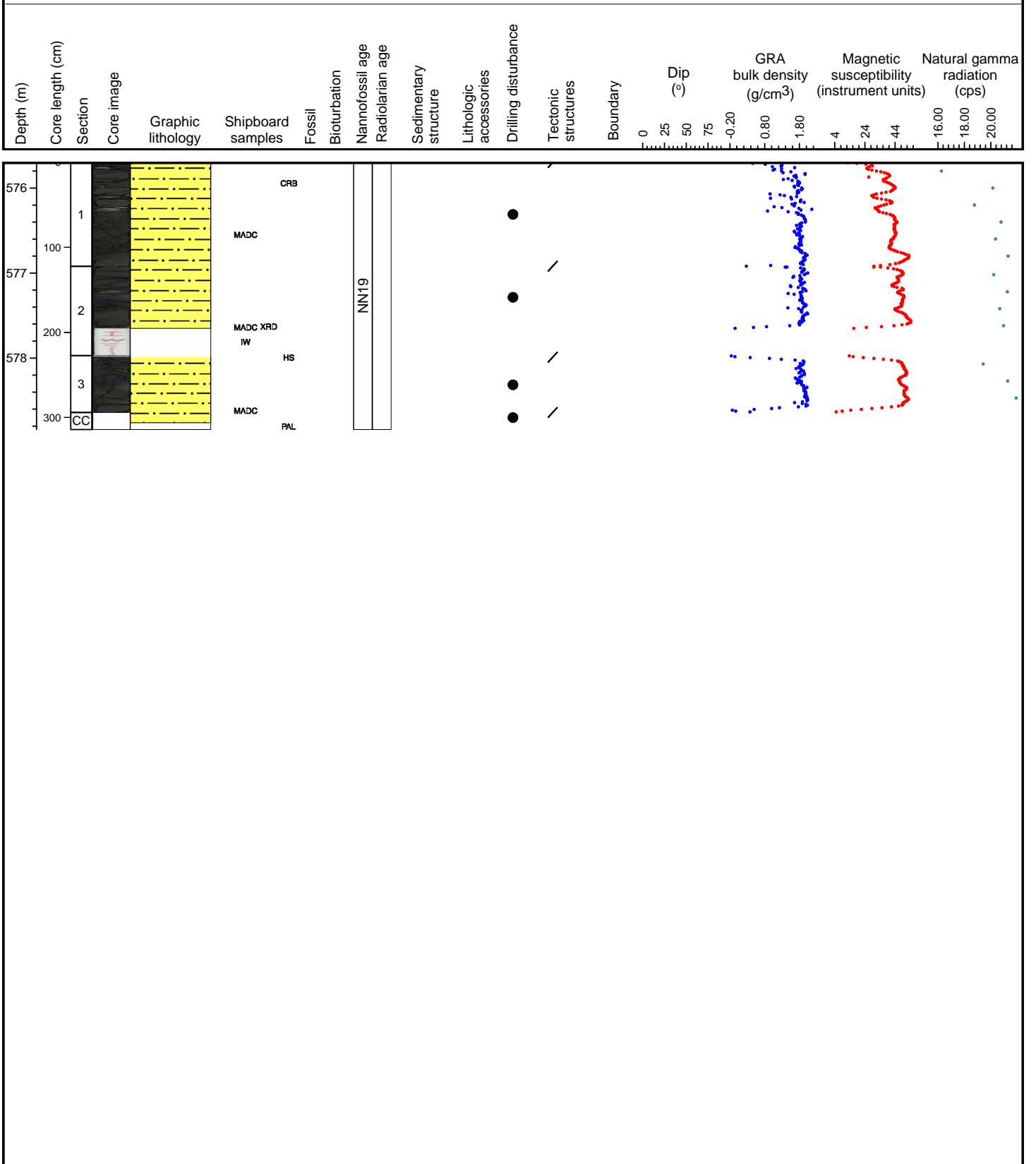
Hole 344-U1413C Core 42R, Interval 566.0-573.13 m (CSF-A)

Greenish gray medium to coarse-grained, partly laminated sandy siltstone with rare shell fragments. Rare carbonate (reworked) clasts and nodules disseminated throughout the core. Sandy siltstone beds are intercalated with silty sandstone beds that are normally graded at approximately meters scale.



Hole 344-U1413C Core 43R, Interval 575.7-578.84 m (CSF-A)

Greenish gray medium to coarse-grained, partly laminated sandy siltstone with rare shell fragments. Limestone clasts common in section 1 and 2.



Sample	Top Depth [m]	Bottom Depth [m]	Description of where smear slide taken	Actinolite abundance	Tephra	Siliclastic	Detrital carbonate	Biogenic carbonate	Glaucronite abundance	Clay minerals abundance	Opauques abundance	Feldspar abundance	Quartz abundance	Glass abundance	Halite abundance	Calcite, allogenic abundance	Hornblende abundance	Pyroxene abundance	Chalcodony abundance	Biotite abundance	Chlorite abundance	Other mineral	Other mineral	Microfossil abundance	Diatoms abundance	Calcareous nannofossils abundance	Foraminifera abundance	Radiolarians abundance	Sponge spicule fragments abundance	Silicoflagellate, ebridian, aciniscidian abundance	Microfossil comment	Macrofossil (fauna) abundance	Macrofossil (fauna) comment	Rock fragment - sedimentary lithic	Rock fragment - volcanic lithic	Rock fragment - plutonic lithic	Principal lithology	General smear slide comment				
344-U1413A-1H-2-A 77/77-SS	2.27	2.27			C	A	R	D	C	A	C	A	C	C		R	C	R	R	R	C	SAPROPEL	C	D	R	A	D		R							C	C	R				
344-U1413A-1H-4-A 17/17-SS	4.67	4.67			A	A	R	R	R		C	A	C	A		R	C	C			R			R			M									R	C	C				
344-U1413A-1H-4-A 67/67-SS	5.17	5.17			C	D	R	C	R	A	C	A	C	C		R	C	R			C	SAPROPEL	R	C		A	D		C							C	C	R				
344-U1413A-1H-4-A 82/82-SS	5.32	5.32		C	R	D	C	A	C	C	A	A	C	R		C	C	C	R	R	C	SAPROPEL	R	A		A	D									C	A	C				
344-U1413A-1H-5-A 43/43-SS	6.15	6.15		R	R	D	R	A	C	A	C	A	C	R		R	C	C	R	R	C	SAPROPEL	C	A	R	A	D		C							C	A	R				
344-U1413A-1H-5-A 47/47-SS	6.19	6.19			C	M			R	A	C	D	C	C			R	R	R	R	R	SAPROPEL	C													C	C					
344-U1413A-1H-5-A 55/55-SS	6.27	6.27		R		A		R	C	R	C	A	C				C	C			R	SAPROPEL	D	R			M								R	C	R					
344-U1413A-1H-5-A 58/58-SS	6.3	6.3		R	R	D		A	C	C	C	A	C	R			C	C	R	R	C	SAPROPEL	C	A		C	M		R							C	A	R				
344-U1413A-2H-2-A 73/73-SED	8.83	8.83		R	R	D	C	C	C	A	C	A	C			C	C	R	R	R	R	SAPROPEL	R	C		A	D		R							C	C	R				
344-U1413A-2H-3-A 61/61-SED	10.21	10.21			R	D	R	A	C	C	C	A	C	R		R	C	C			C	SAPROPEL	C	A		C	M		R							C	A	R				
344-U1413A-2H-5-A 118/118-SED	13.78	13.78		R		D	R	A	A	C	C	A	C			R	C	C			C	SAPROPEL	R	A	R	A	D		R							C	A	C				
344-U1413A-2H-7-A 44/44-SED	16.04	16.04			R	M	C	C	C	A	C	A	C	R		C	C	C	C	C	C	SAPROPEL	R	C		A	D		R							R	C					
344-U1413A-3H-2-A 65/65-SED	17.97	17.97			D	A		R	R		C	A	C	D			C	C				SAPROPEL	R	R			M									A	R					
344-U1413A-3H-3-A 146/146-SED	19.9	19.9			R	D	R	C	C	A	C	A	C	R		R	C	R	R	R	C	SAPROPEL	C	C	R	A	D		R							R	C	R				
344-U1413A-3H-5-A 69/69-SED	22.17	22.17		R	R	D	R	C	C	D	R	A	C	R		R	R	R	R	R	R	SAPROPEL	C	C		A	D		R							R	R					
344-U1413A-4H-3-A 76/76-SED	29.23	29.23			R	M	R	C	C	D	C	A	C	R		R	R	R	R	R	R	SAPROPEL	C	C		D	A		R							R	C					
344-U1413A-4H-4-A 6/6-SED	29.97	29.97			R	D	R	A	C	A	C	A	C	R		R	C	R	C	C	C	SAPROPEL	A	A		A	D		R							C	C	R				
344-U1413A-4H-6-A 9/9-SED	32.46	32.46		R		D	R	A	C	A	C	A	C			R	C	C			R	SAPROPEL	C	A	R	A	D	R	R								C	A	R			
344-U1413A-4H-7-A 120/120-SED	34.1	34.1		R	R	D	C	A	C	D	C	A	C	R		C	C	R	R	R	R	SAPROPEL	R	A		A	D		R								R	R				
344-U1413A-5H-1-A 60/60-SS	35.7	35.7			R	A	C	D	C	A	C	A	C	R		C	C	C	C	C				D	R	A	D	C	R								C	C	C			
344-U1413A-5H-1-A 98/98-SS	36.08	36.08		R	C	D	R	A	R	D	R	C	C	C		R	R	R	R	R	R			A	C	A	D	C	C	R							A	C	C			
344-U1413A-5H-3-A 76/76-SS	38.77	38.77			D	A	R	R	C		C	A	C	D		R	C	C	C	C		SAPROPEL	R	R			M										C	C	R			
344-U1413A-5H-6-A 70/70-SS	43.03	43.03			C	D	R	A	A	A	R	A	C	C		R	R	R	R	R		SAPROPEL	R	A		A	D		R								C	C	C			
344-U1413A-6H-1-A 68/68-SS	45.28	45.28			C	D	R	A	C	A	A	A	C	C		R	C	C	C	C	R	SAPROPEL	R	A		A	D	R	C								C	C	C			
344-U1413A-6H-2-A 53/53-SS	45.87	45.87			R	D	R	A	C	D	R	A	C	R		R	R	R	C	C		SAPROPEL	C	A	R	A	D		C								C	C	R			
344-U1413A-6H-4-A 89/89-SS	49.21	49.21			C	D	C	A	C	A	C	A	C	C		C	C	C	C	C	R	SAPROPEL	C	A		A	D		R								C	A	C			
344-U1413A-6H-5-A 57/57-SS	50.39	50.39			C	D	R	A	C	D	C	A	C	C		R	C	R	R	R	R	SAPROPEL	C	A		A	D		R								C	C	C			
344-U1413A-6H-5-A 91/91-SS	50.73	50.73			R	D	C	A	C	D	C	A	C	R		C	C	C	C	C	R	SAPROPEL	C	A		A	D		C								C	A	C			
344-U1413A-7H-1-A 65/65-SS	52.65	52.65			R	D	R	A	A	D	C	A	C	R	R	R	C	C	C	C	R	SAPROPEL	C	A	R	A	D		R								R	A	C			
344-U1413A-7H-6-A 70/70-SS	59.9	59.9			C	D	R	A	A	D	C	A	C	C		R	C	C	C	C	R	SAPROPEL	C	A	R	A	D		R								R	A	C			
344-U1413A-8H-6-A 55/55-SS	68.61	68.61			R	D	R	A	C	D	C	A	C	R		R	C	R	C	C		SAPROPEL	C	A	R	C	M	R	R									C	A	C		
344-U1413A-9H-4-A 70/70-SS	75.13	75.13			C	D	R	A	C	A	R	A	C	C		R	C	C	C	C	R	SAPROPEL	C	A		A	D	R	C									C	C	R		
344-U1413A-10H-4-A 69/69-SS	84.56	84.56			R	D	R	A	C	D	C	A	C	R		R	C	C	C	C	R	SAPROPEL	C	A	R	A	D		R									C	C	C		
344-U1413A-10H-7-SS	88.99	88.99			D	A			R		R	A	C	D			C	C	C	C																		R	C			

Sample	Top Depth [m]	Bottom Depth [m]	Description of where smear slide taken	Actinolite abundance	Tephra	Siliclastic	Detrital carbonate	Biogenic carbonate	Glaucronite abundance	Clay minerals abundance	Opauques abundance	Feldspar abundance	Quartz abundance	Glass abundance	Halite abundance	Calcite, allogenic abundance	Hornblende abundance	Pyroxene abundance	Chaledony abundance	Biotite abundance	Chlorite abundance	Other mineral	Other mineral	Microfossil abundance	Diatoms abundance	Calcareous nannofossils abundance	Foraminifera abundance	Radiolarians abundance	Sponge spicule fragments abundance	Silicoflagellate, ebridian, aciniscidian abundance	Microfossil comment	Macrofossil (fauna) abundance	Macrofossil (fauna) comment	Rock fragment - sedimentary lithic	Rock fragment - volcanic lithic	Rock fragment - plutonic lithic	Principal lithology	General smear slide comment			
344-U1413A-11H-3-A 30/30-SED	92.23	92.23			R	D	C	C	C	D	C	A	C	R		C	C	C	R	R	C	SAPROPEL	C	C		A	D		C						C	C	R				
344-U1413A-11H-5-A 94/94-SS	95.72	95.72			R	D	R	A	C	D	C	A	C	R		R	C	C	C	C	R	SAPROPEL	C	A		A	D		R						C	C	R				
344-U1413A-13H-1-A 100/100-SED	106.6	106.6			R	M	R	R	C	R	D	A	C	R		R	R	R			C			R		D			A						C	R					
344-U1413A-13H-3-A 15/15-sed	108.68	108.68		R	R	D	C	A	C	A	C	A	C	R		C	C	C	R	R	C	SAPROPEL	R	A	R	D	A	R	R							R	C	R			
344-U1413A-13H-4-A 59/59-SED	110.54	110.54			C	M			R	A	C	C	C	C			R	R			C	SAPROPEL	A												C	A	R				
344-U1413A-13H-5-A 45/45-SED	111.92	111.92		R	R	M	C	C	C	A	C	A	C	R		C	C	C			C	SAPROPEL	C	C		D	A	R	R							C	A	C			
344-U1413A-13H-CC-A 13/13-SED	113.36	113.36		R	R	M	C	C	C	C	C	A	C	R		C	C	C			C	SAPROPEL	C	A		D	A		R							C	A	R			
344-U1413A-14H-2-A 86/86-SED	115.52	115.52		R	C	D	C	C	C	A	C	A	C	C		C	C	R	R	R	C	SAPROPEL	C	C		D	A		R							R	C	R			
344-U1413A-15H-CC-A 29/29-SED	124.45	124.45		R	C	M	R	C	C	A	C	A	C	C		R	C	R			C	SAPROPEL	C	C		C	M									C	C	R			
344-U1413A-16H-4-A 23/23-SED	128.72	128.72		R	R	D	C	C	C	A	C	A	C	R		C	C	R			C	SAPROPEL	C	C		A	D		R							R	C	R			
344-U1413A-17H-5-SED	135.35	135.35		R	R	D	C	A	C	A	C	A	C	R		C	C	R	R	R	C	SAPROPEL	C	A		D	A		R							C	A	R			
344-U1413A-19X-4-A 60/60-SS	145.57	145.57			R	D	R	A	C	D	C	A	C	R		R	C	C	C	C	R	SAPROPEL	C	A		A	D		R							C	C	R			
344-U1413A-19X-5-A 77/77-SS	146.96	146.96			D	A		R	R		C	A	C	D			C	C	R	R	R			R			M		R							R	C	R			
344-U1413A-20X-3-A 58/58-SS	153.68	153.68			C	M	C	R	C	D	C	A	C	C		C	C	C	C	C	C	SAPROPEL	R	R		D	R		A							C	C	R			
344-U1413A-20X-5-A 126/126-SS	156.06	156.06			R	M	R	R	C	A	C	A	C	R		R	C	C	C	C				R		A	D		C							C	A	C			
344-U1413A-20X-7-A 131/131-SS	158.78	158.78			D	A					C	A	C	D			C	C	C	C																C	R				
344-U1413A-20X-7-A 92/92-SS	158.39	158.39			R	M	R	C	R	A	A	C	C	R			C	C	R	R				C		A	D		R							A	A	R			
344-U1413A-20X-7-A 95/95-SS	158.42	158.42			R	M	R	C	C	C	R	A	C	R		R	C	C	C	C				C		A	D		R							D	C	R			
344-U1413A-20X-8-A 21/21-SS	159.18	159.18			D	A					R	A	C	D			R	R	R	R																	R	C	R		
344-U1413A-20X-8-A 28/28-SS	159.25	159.25			D	A					C	A	C	D			C	C	C	C																	C	R			
344-U1413A-21X-2-A 141/141-SS	162.82	162.82			D	A		R			C	A	C	D			C	C	R	R				R			M										R	C	R		
344-U1413A-21X-3-A 5/5-SS	162.87	162.87			M	A					R	A	C	M			C	R	R	R																	C				
344-U1413A-21X-3-A 7/7-SS	162.89	162.89			D	A					C	A	C	A			A	C	R	R																	A	R			
344-U1413A-21X-6-A 21/21-SS	167.53	167.53			R	D	R	A	C	C	C	A	C	R		R	C	R	R	R	C			A		A	D									A	C	R			
344-U1413A-21X-6-A 23/23-SS	167.55	167.55			C	M		R	C	A	C	A	C	C			C	R	R	R	C	SAPROPEL	C	R		M			R								C	C	R		
344-U1413A-24X-2-A 74/74-SS	177.51	177.51			R	M	C	R	R	R	M	C	R	R		C	C	R	R	R		SAPROPEL	C	R		M											C	A	R		
344-U1413A-24X-2-A 75/75-SS	177.52	177.52			A	D					D	C	C	A																							R	A	R		
344-U1413A-24X-2-A 77/77-SS	177.54	177.54			C	D	C	C	C	A	C	A	C	C		C	C	C			C	SAPROPEL	C	C		D	A		C								C	C	R		
344-U1413A-25X-1-W 9/9-SS	179.49	179.49			R	A	C	C	R	A	C	A	C	R		C	C	R			C	SAPROPEL	A	C		M	C										A	C	R		
344-U1413A-26X-3-A 50/50-SED	185.11	185.11		R	R	D	C	A	R	A	C	A	R	R		C	C	R	R	R	C	SAPROPEL	C	A		D	A		C								A	A	R		



Sample	Top Depth [m]	Bottom Depth [m]	Description of where smear slide taken	Actinolite abundance	Tephra	Siliclastic	Detrital carbonate	Biogenic carbonate	Glaucorite abundance	Clay minerals abundance	Opaques abundance	Feldspar abundance	Quartz abundance	Glass abundance	Halite abundance	Calcite, allogenic abundance	Hornblende abundance	Pyroxene abundance	Chalcedony abundance	Biotite abundance	Chlorite abundance	Other mineral	Other mineral	Microfossil abundance	Diatoms abundance	Calcareous nannofossils abundance	Foraminifera abundance	Radiolarians abundance	Sponge spicule fragments abundance	Silicoflagellate, ebridian, aciniscidian abundance	Microfossil comment	Macrofossil (fauna) abundance	Macrofossil (fauna) comment	Rock fragment - sedimentary lithic	Rock fragment - volcanic lithic	Rock fragment - plutonic lithic	Principal lithology	General smear slide comment	
344-U1413B-1H-1-A 10/10-SED	0.1	0.1			A	D		R	R	R	C	A	C	A			A	C					R		A	D								A	R				
344-U1413B-1H-1-A 80/80-SED	0.8	0.8			R	D	R	A	C	A	C	A	C	R		R	C	C	R	R	C	SAPROPEL	C	A	C	A	D	R	C					C	C	C			
344-U1413B-1H-3-A 108/108-SED	4.08	4.08			R	D	C	A	A	C	C	A	C	R	R	C	C	C	R	R	C	SAPROPEL	C	A	R	A	D		R					C	C	R			
344-U1413B-1H-3-A 49/49-SED	3.49	3.49			R	D	R	A	A	R	C	A	C	R		R	C	C			R	SAPROPEL	R	A		A	D		R					R	A	C			
344-U1413B-1H-3-A 82/82-SED	3.82	3.82		R	R	D	C	A	C	C	C	A	C	R		C	C	C	C	C	C	SAPROPEL	R	A	R	A	D		C					R	C	C			
344-U1413B-1H-4-A 59/59-SED	5.09	5.09			R	D	C	R	A	A	C	C	C	R		C	C	C			C		A		C	M		R					R	R	R				
344-U1413B-1H-5-A 25/25-SED	5.85	5.85			R	D	C	A	C	D	C	A	C	R		C	C	R	R	R	R	SAPROPEL	C	A		A	D		R					R	R	R			
344-U1413B-1H-5-A 41/41-SED	6.01	6.01			R	C	D	A	C		C	C	C	R		D	C	R			C	SAPROPEL	C	A		D	A		C										

Sample	Top Depth [m]	Bottom Depth [m]	Description of where smear slide taken	Actinolite abundance	Tephra	Siliclastic	Detrital carbonate	Biogenic carbonate	Glaucinite abundance	Clay minerals abundance	Opal abundance	Feldspar abundance	Quartz abundance	Glass abundance	Halite abundance	Calcite, allogenic abundance	Hornblende abundance	Pyroxene abundance	Chalcidony abundance	Biotite abundance	Chlorite abundance	Other mineral	Other mineral	Microfossil abundance	Diatoms abundance	Calcareous nannofossils abundance	Foraminifera abundance	Radiolarians abundance	Sponge spicule fragments abundance	Silicoflagellate, ebridian, actiniscidian abundance	Microfossil comment	Macrofossil (fauna) abundance	Macrofossil (fauna) comment	Rock fragment - sedimentary lithic	Rock fragment - volcanic lithic	Rock fragment - plutonic lithic	Principal lithology	General smear slide comment																
344-U1413C-2R-2-A 81/81-SS	180.15	180.15										R	R			M																																						
344-U1413C-2R-4-A 79/79-SS	183.12	183.12			C	M			C	A	C	A	C	C			A	C	C	C	C		SAPROPEL	C													C	C	R															
344-U1413C-2R-4-W 4/7-TSB-TS#13	182.37	182.4				M	R	C				R	C	C			R	R	R				MICRITE	M	C		M	R									R	R		limestone	THIN SECTION													
344-U1413C-2R-5-A 32/32-SS	183.67	183.67			C	M	R	C	C	A	C	A	C	C			R	C	R	R	R		SAPROPEL	C	C		D	A		R								C	A	R														
344-U1413C-3R-1-A 29/29-SS	187.99	187.99			C	M				R	C	D	C	C			A	C	C	C																		C	C	C														
344-U1413C-3R-3-A 55/55-SS	190.4	190.4				M	R	C	C	D	C	C	C				R	C	R	C	C		SAPROPEL	C	C		A	D	R	R									C	C	R													
344-U1413C-4R-CC-W 0/10-TS#12	197.4	197.5				M	R	C				R	C	C			R	R	R				MICRITE	M	C		M	R										R	R		limestone	THIN SECTION												
344-U1413C-5R-2-A 11/11-SS	208.67	208.67			R	A	A	A	C	A	C	A	C	R			A	R	R				SAPROPEL	C	A		A	D		R									C	C	R													
344-U1413C-7R-1-A 97/97-SED	227.47	227.47			R	M	R	C	C	D	C	A	C	R			R	C	C	R	R	R	SAPROPEL	A	C		A	D		C										R	C	R												
344-U1413C-7R-4-A 29/29-SED	230.76	230.76			C	D	C	C	C	A	C	A	C	C			C	C	C	C	C				C		D	C		A										C	A	R												
344-U1413C-7R-4-A 82/82-SED	231.29	231.29		R	R	D	C	C	C	A	C	A	C	R			C	C	R	R	R	C	SAPROPEL	C	C		D	A		R											C	A	R											
344-U1413C-7R-5-A 25/25-SED	232.22	232.22			C	M	R	C	C	D	C	A	C	C			R	C	R	C	C	R	SAPROPEL	C	C		D	A		R												R	C	R										
344-U1413C-8R-6-A 35/35-SED	243.54	243.54		R	R	M	R	C	C	D	C	A	C	R			R	C	R	C	C	R	SAPROPEL	C	C		M	C		R													R	C										
344-U1413C-10R-3-A 69/69-SS67	259.05	259.05			R	C	M	A	C		C	C	C	R			M	C	R	R	R		SAPROPEL	C	A		D	A																C	R									
344-U1413C-10R-5-A 117/117-SS66	262.23	262.23			R	M	R		C	D	C	A	C	R			R	C	C	C	C	R	SAPROPEL	C																				R	A	R								
344-U1413C-10R-5-A 83/83-SED	261.89	261.89				M		R		A	R	A	C				A	A						R						M																								
344-U1413C-11R-1-A 55/55-SS	265.85	265.85		R	C	M	R	C	C	D	C	A	C	C			R	C	C	R	R	R	SAPROPEL	C	C		A	D																	C	C	R							
344-U1413C-11R-3-A 131/131-SS	269.44	269.44			D	A				R	C	A	C	C			C	C	C	C				R				M																R	D	R								
344-U1413C-11R-3-A 95/95-SS	269.08	269.08			C	M		R	A	D	C	A	C	C	R			C	R	R	R	C	SAPROPEL	C	R		M			R															C	A	R							
344-U1413C-11R-4-A 33/33-SS	269.96	269.96			R	M		R	C	D	C	A	C				C	R	C	C			SAPROPEL	C	R		A	D		R															C	C	R							
344-U1413C-11R-4-A 74/74-SS	270.37	270.37		R	R	M	R		C	A	C	A	C	R			R	C	C	C	C	C	SAPROPEL	C																						C	A	C						
344-U1413C-12R-1-W 50/50-SS	275.5	275.5			R	A			R	D	A	A	C	R			R	R					SAPROPEL	R																						A	R	R						
344-U1413C-12R-5-W 54/54-SS	279.84	279.84			R	D	R	A	C	A	C	A	C	R			R	C	A				SAPROPEL	A	A		A	D		R																								
344-U1413C-12R-6-W 5/5-SS	280.54	280.54		R	R	D	R	A	C	A	C	A	C	R			R	C	C	R	R	R	SAPROPEL	C	A		A	D		R																	C	A	C					
344-U1413C-13R-2-A 38/38-SS	286.57	286.57			R	D	C	A	C	A	C	A	C	R			C	C	C	R	R		SAPROPEL	C	A		C	M																				C	C	R				
344-U1413C-13R-3-A 21/21-SS	287.68	287.68			A	M						A	A	C	R			C	C	C	C																										R	A	R					
344-U1413C-13R-3-A 80/80-SS	288.27	288.27				A		R	R	A	R	A	R				C						SAPROPEL	D	R		M																											
344-U1413C-14R-1-A 48/48-SS	294.88	294.88			C	D	C	A	C	D	C	A	C	C			C	C	C	C	C	R	SAPROPEL	C	A		D	A																				C	A	R				
344-U1413C-14R-1-A 89/89-SS	295.29	295.29				C	M		R		C	R					M	C	R																																			
344-U1413C-14R-3-A 66/66-SS	297.94	297.94			R	M		R	D	R	C	C	R	R			R	R	R				SAPROPEL	R																								R	R					
344-U1413C-15R-3-A 71/71-SS	307.11	307.11			A	D			R	C	C	A	C	A			R	R					SAPROPEL	R																								R	C					
344-U1413C-15R-4-A 76/76-SS	308.17	308.17			R	M	R	C	C	D	C	A	C	R			R	C	C	R	R	R	SAPROPEL	C	C		A	D		R																			C	C	R			
344-U1413C-15R-4-A 8/8-SS	307.49	307.49			R	M	R	C	C	A	C	A	C	R			R	C	R	C	C		SAPROPEL	C	C		D	A		R																				C	A	R		
344-U1413C-16R-1-A 18/18-SS	313.98	313.98			R	M	C		R	D	C	C	R	R			C						SAPROPEL	C																									R	R				

Sample	Top Depth [m]	Bottom Depth [m]	Description of where smear slide taken	Actinolite abundance	Tephra	Siliclastic	Detrital carbonate	Biogenic carbonate	Glaucronite abundance	Clay minerals abundance	Opauques abundance	Feldspar abundance	Quartz abundance	Glass abundance	Halite abundance	Calcite, allogenic abundance	Hornblende abundance	Pyroxene abundance	Chalcidony abundance	Biotite abundance	Chlorite abundance	Other mineral	Other mineral	Microfossil abundance	Diatoms abundance	Calcareous nannofossils abundance	Foraminifera abundance	Radiolarians abundance	Sponge spicule fragments abundance	Silicoflagellate, ebridian, actiniscidian abundance	Microfossil comment	Macrofossil (fauna) abundance	Macrofossil (fauna) comment	Rock fragment - sedimentary lithic	Rock fragment - volcanic lithic	Rock fragment - plutonic lithic	Principal lithology	General smear slide comment						
344-U1413C-16R-4-A 90/90-SS	319.06	319.06			R	M	C	C	C	A	C	A	C	R		C	R	R	R	R	R	R	SAPROPEL	C	C		D	A								C	C	R						
344-U1413C-16R-6-A 93/93-SS	321.99	321.99			D	A					C	A	C	D			C	C	R	R																	C	R						
344-U1413C-17R-1-A 34/34-SED	323.84	323.84			R	D	C	A	C	D	R	C	R	R		C	R	R			R		SAPROPEL	C	A		D	A										R	C	R				
344-U1413C-19R-6-A 60/60-SED	348.77	348.77			C	D	C	C	C	A	C	A	C	C		C	R	R			R		SAPROPEL	C	C		D	A										R	C	R				
344-U1413C-20R-3-A 46/46-SED	355.43	355.43			C	D	C	C	C	A	R	A	C	C		C	C	R			C		SAPROPEL	C	C		D	A										R	C	R				
344-U1413C-22R-1-A 92/92-SED	372.92	372.92			C	A	C	A	C	C	C	C	C	C		C	C	R	R	R	C		SAPROPEL	C	A		D	A										C	C	R				
344-U1413C-23R-2-A 63/63-SS	383.65	383.65			D	A					R	A	C	A			C	C	R	R																	A	C						
344-U1413C-23R-4-A 25/25-SS	386.29	386.29			R	D	R				D	A	A	R		R	R		C	C			SAPROPEL	C														R	C					
344-U1413C-23R-4-A 90/90-SS	386.94	386.94			R	M	R		R		M	A	C	R		R		R					SAPROPEL	R														R	C					
344-U1413C-23R-5-A 131/131-SS	388.57	388.57		R	R	M	C	R	C	D	R	A	C	R		C	R	R	R	R	C		SAPROPEL	R	R		D	A		R								R	R					
344-U1413C-23R-5-A 71/71-SS	387.97	387.97		R	R	M	C	C	C	D	R	A	C	R		C		R	R	R	C		SAPROPEL	R	C		D	A		R								C	A	R				
344-U1413C-24R-7-A 28/28-SS	400.38	400.38			R	A	C	D	C	A	C	C	R	R		C					C		SAPROPEL	C	D		A	D										R	C	R				
344-U1413C-25R-3-SS	404.56	404.56			R	D	C	C	C	A	C	A	C	R		C		R			R		SAPROPEL	C	C		D	A										R	A	C				
344-U1413C-25R-5-A 110/110-SS	408.22	408.22			R	D	R	A	C	A	C	A	C	R		R	R	R					SAPROPEL	R	A		D	A											C	C	R			
344-U1413C-26R-CC-W 11/11-SS	419.08	419.08			A	A					A	A	C	A			C	R	C	C																		C	R					
344-U1413C-27R-1-A 98/98-SED	421.48	421.48			R	M		R	R	A	C	A	C	R			C	C	C	C																		R	C	C				
344-U1413C-27R-5-A 46/46-SED	426.74	426.74			R	M				C	C	A	C	R			A	C	C	C																			R	A	R			
344-U1413C-27R-6-A 42/42-SED	428.16	428.16			R	M	C	C	C	D	R	A	C	R		C			R	R	R		SAPROPEL	R	C		D	A											A	A	R			
344-U1413C-28R-1-A 40/40-SED	430.6	430.6			R	D	C	A	C	A	C	A	C	R		C	C	R			R		SAPROPEL	C	A		D	A											C	A	R			
344-U1413C-28R-1-A 63/63-SED	430.83	430.83			R	A	C	D	C		C	C	C	R		C									D	R		D	A										A	C	R			
344-U1413C-29R-3-A 66/66-SED	443.13	443.13			R	A	C	D	C		C	C	C	R		C									D	R		D	A										A	C	R			
344-U1413C-29R-4-A 47/47-SED	444.29	444.29			R	A	C	A	C		C	C	C	R		C					R		sapropel	C	A		D	A											A	C	R			
344-U1413C-30R-7-A 23/23-SED	458.02	458.02			R	A	C	A	C		C	C	C	R		C			R	R			sapropel	C	A		D	A											A	C	R			
344-U1413C-32R-2-A 110/110-SS	471.57	471.57				C	M		C		C	C	C			M							sapropel	C															R					
344-U1413C-32R-3-A 44/44-SS	472.19	472.19		R		C	C	D	C	C	R	C	C			C	C	C	C	C	C		sapropel	R	D		D	A		R									R	C	R			
344-U1413C-32R-6-A 7/7-SS	475.51	475.51				C	A	D	C	C	C	C	C			A	R	R			R		sapropel	C	D		D	A		R									R	C	R			
344-U1413C-32R-7-A 52/52-SS	477.4	477.4			R	D	R	A	C	A	C	A	C	R		R	R	R			R		sapropel	C	A		D	A		R									C	C	R			
344-U1413C-33R-1-A 13/13-SS	478.83	478.83			R	D	C	C	C	D	C	A	R	R		C	R	R	R	R	R		sapropel	C	C		D	A		R									R	C	R			
344-U1413C-33R-2-A 145/145-SS	481.61	481.61			R	D	C	A	C	A	C	A	C	R		C					C		sapropel	C	A		D	A		R									C	C	R			
344-U1413C-33R-3-A 72/72-SS	482.37	482.37				C	M				C					M							sapropel	R																				
344-U1413C-33R-6-A 53/53-SS	485.26	485.26			R	D	C	A	C	A	C	A	R	R		C					C		sapropel	C	A		D	A		R									C	A	C			
344-U1413C-33R-8-A 68/68-SS	487.82	487.82			R	M	C	C	C	A	C	A	R	R		C			R	R	R		sapropel	C	C		D	A		R									R	A	C			
344-U1413C-34R-2-A 33/33-SS	490.22	490.22		R		M	R	C	C	C	C	A	C			R	R	R	C	C	C		sapropel	C	C		D	A		R									C	A	C			
344-U1413C-34R-4-A 124/124-SS	493.74	493.74			R	M	R		R	M	R	A	C	R		R			R	R	R		sapropel	C																R	R	R		

Sample	Top Depth [m]	Bottom Depth [m]	Description of where smear slide taken	Actinolite abundance	Tephra	Siliclastic	Detrital carbonate	Biogenic carbonate	Glauconite abundance	Clay minerals abundance	Opaques abundance	Feldspar abundance	Quartz abundance	Glass abundance	Halite abundance	Calcite, allogenic abundance	Hornblende abundance	Pyroxene abundance	Chalcedony abundance	Biotite abundance	Chlorite abundance	Other mineral	Other mineral	Microfossil abundance	Diatoms abundance	Calcareous nannofossils abundance	Foraminifera abundance	Radiolarians abundance	Sponge spicule fragments abundance	Silicoflagellate, ebridian, actiniscidian abundance	Microfossil comment	Macrofossil (fauna) abundance	Macrofossil (fauna) comment	Rock fragment - sedimentary lithic	Rock fragment - volcanic lithic	Rock fragment - plutonic lithic	Principal lithology	General smear slide comment	
344-U1413C-34R-6-A 28/28-SS	495.6	495.6			R	D	R	A	C	C	C	A	C	R		R	C	R	C	C		sapropel	C	A		A	D		R					C	A	C			
344-U1413C-35R-4-A 18/18-SS	502.52	502.52			C	D	R	C	C	A	C	A	C	C		R	C	R			C		sapropel	C	C		M	C		R					C	A	C		
344-U1413C-37R-1-A 62/62-SS	518.12	518.12			R	D	R	R	C	A	C	A	C	R		R		R			R		sapropel	C	R		M			R					A	A	R		
344-U1413C-37R-3-A 40/40-SS	520.92	520.92			R	A	D		C		C	A	C	R		D	C	C				SAPROPEL	R											A	C	R			
344-U1413C-37R-5-A 44/44-SS	523.4	523.4		R	C	M	R	C	C	C	C	A	C	C		R	R	R			C		SAPROPEL	C	C		M	C							A	A	R		
344-U1413C-37R-7-A 31/31-SS	525.65	525.65			R	A	D	R	C		C	A	C	R		D	C	R			R		SAPROPEL	C	R		M	R							A	A	R		
344-U1413C-38R-1-A 65/65-SED	527.85	527.85			C	D	C	C	C	C	C	A	C	C		C	R	R			C		SAPROPEL	C	C		D	A							C	A	R		
344-U1413C-39R-4-A 99/99-SED	542.12	542.12			R	M	R	R	C	C	C	A	C	R		R	R	R			C		SAPROPEL	C	R		D	A							C	A	R		
344-U1413C-40R-3-A 83/83-SED	550.27	550.27			R	M	R	C	C	C	C	A	C	R		R	C		R	R	C		SAPROPEL	C	C		D	A							C	A	R		
344-U1413C-41R-3-W 68/68-SED	559.99	559.99			C	M	R	C	C	A	C	A	C	C		R	C	R			C		SAPROPEL	C	C		M	C							C	A	R		

Sample	Top [cm]	Bottom [cm]	Top Depth [m]	Bottom Depth [m]	Tephra layer/pod shape	Tephra layer/pod color	Tephra layer/pod compaction	Cementation of tephra layer/pod	Bottom contact	Bottom contact dip [deg]	Bottom contact angle [deg]	Top contact	Top contact dip [deg]	Top contact angle [deg]	Component summary	Grain sorting	Grading comment	Grain size of normal graded layers - base	Grain size of normal graded layers - base RANK	Grain size of normal graded layers - top	Grain size of normal graded layers - top RANK	Grain size of reverse graded layers - base	Grain size of reverse graded layers - base RANK	Grain size of reverse graded layers - top	Grain size of reverse graded layers - top RANK
344-U1413A-3H-2-A	65	66	17.97	17.98			moderately consolidated		sharp boundary							moderately well		fine silt	3	very fine silt	2				
344-U1413A-3H-4-A	134	138	21.31	21.35			moderately consolidated		sharp boundary							moderately well		fine silt	3	clay	1				
344-U1413A-3H-5-A	24	29	21.72	21.77			moderately consolidated		sharp boundary							moderately well		fine silt	3	clay	1				
344-U1413A-3H-6-A	63	69	23.64	23.7			moderately consolidated		sharp boundary							moderately well		medium silt	4	clay	1				
344-U1413A-4H-3-A	137	144	29.84	29.91			moderately consolidated		sharp boundary			gradational boundary					Mixed in with sand at base			clay	1				
344-U1413A-4H-4-A	0	8	29.91	29.99			sharp boundary		sharp boundary			gradational boundary					Mixed in with sand at base			clay	1				
344-U1413A-4H-4-A	64	65	30.55	30.56			sharp boundary		sharp boundary			gradational boundary					Mixed in with sand at base			clay	1				
344-U1413A-5H-3-A	73	77	38.74	38.78			sharp		sharp boundary																
344-U1413A-13H-4-A	53	60	110.48	110.55	tabular		moderately consolidated								Very fine grained minerals and fragments same as as silty clay plus zeolites.	well		fine silt	3	fine silt	3				
344-U1413A-19X-5-A	70	81	146.89	147	needle		very slightly consolidated								few mm-sized pods of fine-grained lightcolored tephra	well		fine silt	3						
344-U1413A-20X-7-A	131	132	158.78	158.79	layered	10YR 6/2 (light brownish gray)	moderately consolidated		sharp boundary			sharp boundary			light-colored siltsized particles	well		silt	2						
344-U1413A-20X-8-A	20	30	159.17	159.27	layered	2.5Y 6/1 (gray)	well consolidated		sharp boundary			bioturbated boundary or contact			light-colored ash rich in phenocrysts	well		silt	2						
344-U1413A-21X-2-A	138	141	162.79	162.82	layered	5Y 4/1 (dark gray)	well consolidated		uncertain boundary or contact			gradational boundary			light-colored	well	bottom contact missing	fine silt	3						
344-U1413A-21X-3-A	2	8	162.84	162.9	layered	5Y 6/1 (gray)	well consolidated		sharp boundary			gradational boundary			light-colored	well		silt	2						
344-U1413A-24X-2-A	70	76	177.47	177.53	lensoid	N 3 (very dark gray)									lots of opaques, little fragmented glass										

Sample	Top [cm]	Bottom [cm]	Top Depth [m]	Bottom Depth [m]	Tephra layer/pod shape	Tephra layer/pod color	Tephra layer/pod compaction	Cementation of tephra layer/pod	Bottom contact	Bottom contact dip [deg]	Bottom contact angle [deg]	Top contact	Top contact dip [deg]	Top contact angle [deg]	Component summary	Grain sorting	Grading comment	Grain size of normal graded layers - base	Grain size of normal graded layers - base RANK	Grain size of normal graded layers - top	Grain size of normal graded layers - top RANK	Grain size of reverse graded layers - base	Grain size of reverse graded layers - base RANK	Grain size of reverse graded layers - top	Grain size of reverse graded layers - top RANK
344-U1413B-1H-1-A	9	11	0.09	0.11	layered	n 8 (white)	very slightly consolidated		diffuse boundary			diffuse boundary			Amphibole and feldspar rich			fine sand	4						
344-U1413B-2H-1-A	43	48	7.03	7.08	layered		moderately consolidated		sharp boundary							moderately well		fine silt	3	very fine silt	2				
344-U1413B-3H-5-A	44	49	21.72	21.77	layered		moderately consolidated		sharp boundary							moderately well		fine silt	3	very fine silt	2				
344-U1413B-3H-5-A	87	94	22.15	22.22	layered		moderately consolidated		sharp boundary							moderately well		fine silt	3	very fine silt	2				
344-U1413B-3H-7-A	13	20	24.41	24.48	layered		moderately consolidated		sharp boundary							moderately well		fine silt	3	very fine silt	2				

Sample	Top [cm]	Bottom [cm]	Top Depth [m]	Bottom Depth [m]	Tephra layer/pod shape	Tephra layer/pod color	Tephra layer/pod compaction	Cementation of tephra layer/pod	Bottom contact	Bottom contact dip [deg]	Bottom contact angle [deg]	Top contact	Top contact dip [deg]	Top contact angle [deg]	Component summary	Grain sorting	Grading comment	Grain size of normal graded layers - base	Grain size of normal graded layers - base RANK	Grain size of normal graded layers - top	Grain size of normal graded layers - top RANK	Grain size of reverse graded layers - base	Grain size of reverse graded layers - base RANK	Grain size of reverse graded layers - top	Grain size of reverse graded layers - top RANK	
344-U1413C-2R-4-A	71	80	183.04	183.13	lensoid	N 4 (dark gray)	indurated		irregular boundary			irregular boundary				well	tephra presumably redeposited									
344-U1413C-3R-1-A	30	35	188	188.05	lensoid	n 4 (dark gray)			irregular boundary							well	tephra intermingled with siltstone matrix									
344-U1413C-10R-5-A	81	86	261.87	261.92	layered	2.5YR 4/1 (dark reddish gray)	lithified	non-defined	sharp contact			sharp contact			Lot of magmatic minerals: feldspar, amphibole, biotite			medium sand	5	fine sand	4					
344-U1413C-11R-3-A	124	133	269.37	269.46	layered	5Y 5/1 (gray)	lithified		sharp contact			gradational contact						medium sand	5	clay	1					
344-U1413C-12R-1-A	47	50	275.47	275.5	layered	5Y 5/1 (gray)	lithified		sharp boundary			gradational boundary						silt	2	clay	1					
344-U1413C-13R-3-A	20	21	287.67	287.68	layered	N 4 (dark gray)	lithified		sharp boundary			gradational boundary						fine sand	4	clay	1					
344-U1413C-16R-6-A	92	95	321.98	322.01	layered	10Y 4/2 (grayish green)	lithified		sharp boundary			bioturbated boundary or contact						silt	2	silt	2					
344-U1413C-23R-2-A	62	65	383.64	383.67	lensoid	N 4 (dark gray)	lithified		sharp boundary			sharp boundary			light-colored ash without visible phenocrysts		well-sorted									
344-U1413C-27R-1-A	96	98	421.46	421.48	lensoid	2.5YR 3/2 (dusky red)	lithified		sharp boundary			sharp inclined boundary			a lot of amphibole and plag, glass shards with large signs of alteration											
344-U1413C-27R-5-A	45	47	426.73	426.75	lensoid	2.5YR 3/2 (dusky red)	lithified		discontinuous boundary			bioturbated boundary or contact			amphibole and feldspar are abundant, glass is very fine and altered											