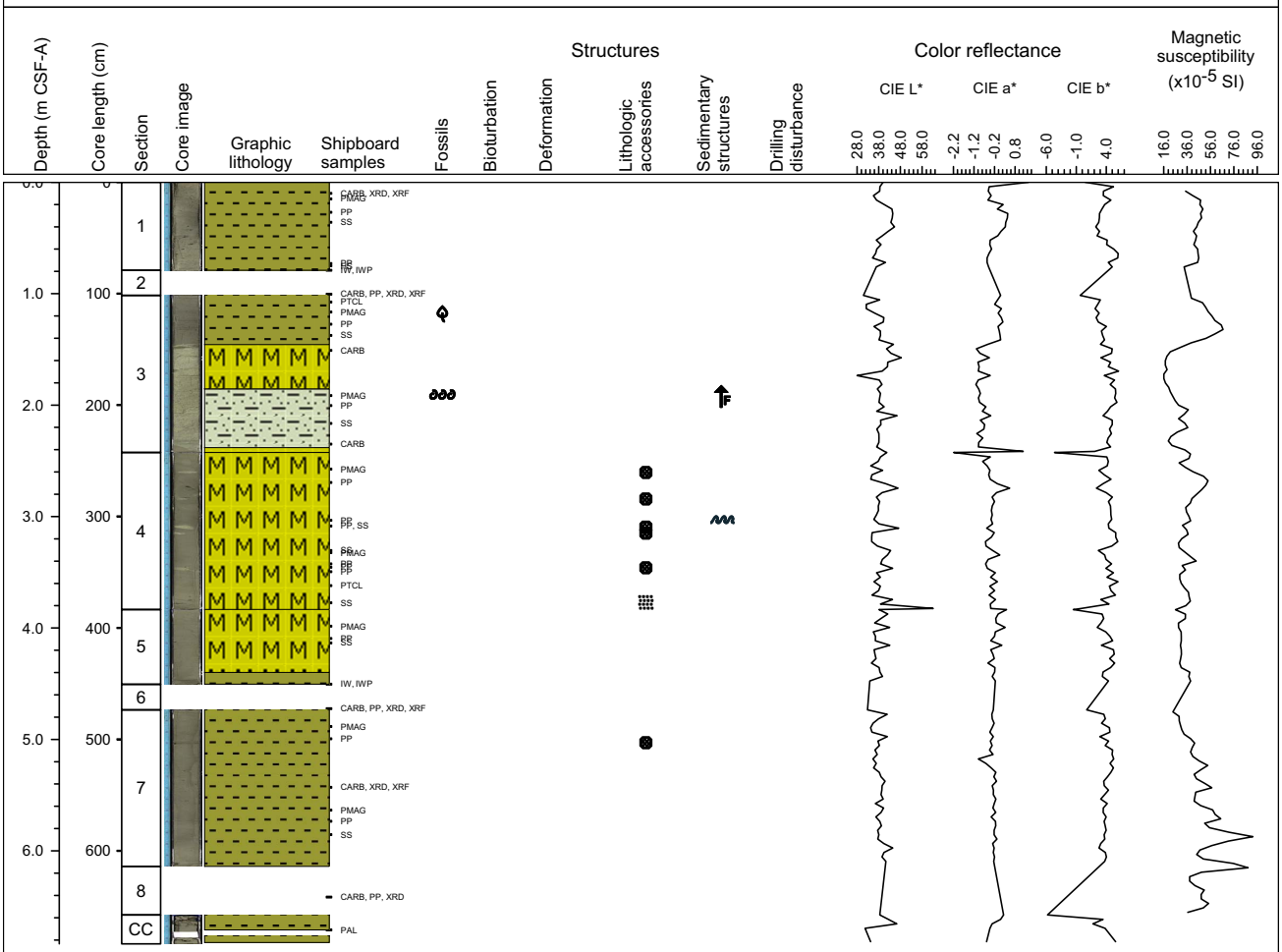
# Core Photo

Hole C0018A Core 1H, interval 0-6.835 m (core depth below seafloor)

Dark greenish grey (10GY 4/1) silty clay with some evidence of debrites/seafloor instability in section #4.

Some shell and wood fragments and laminae of volcaniclastic sand/ash.

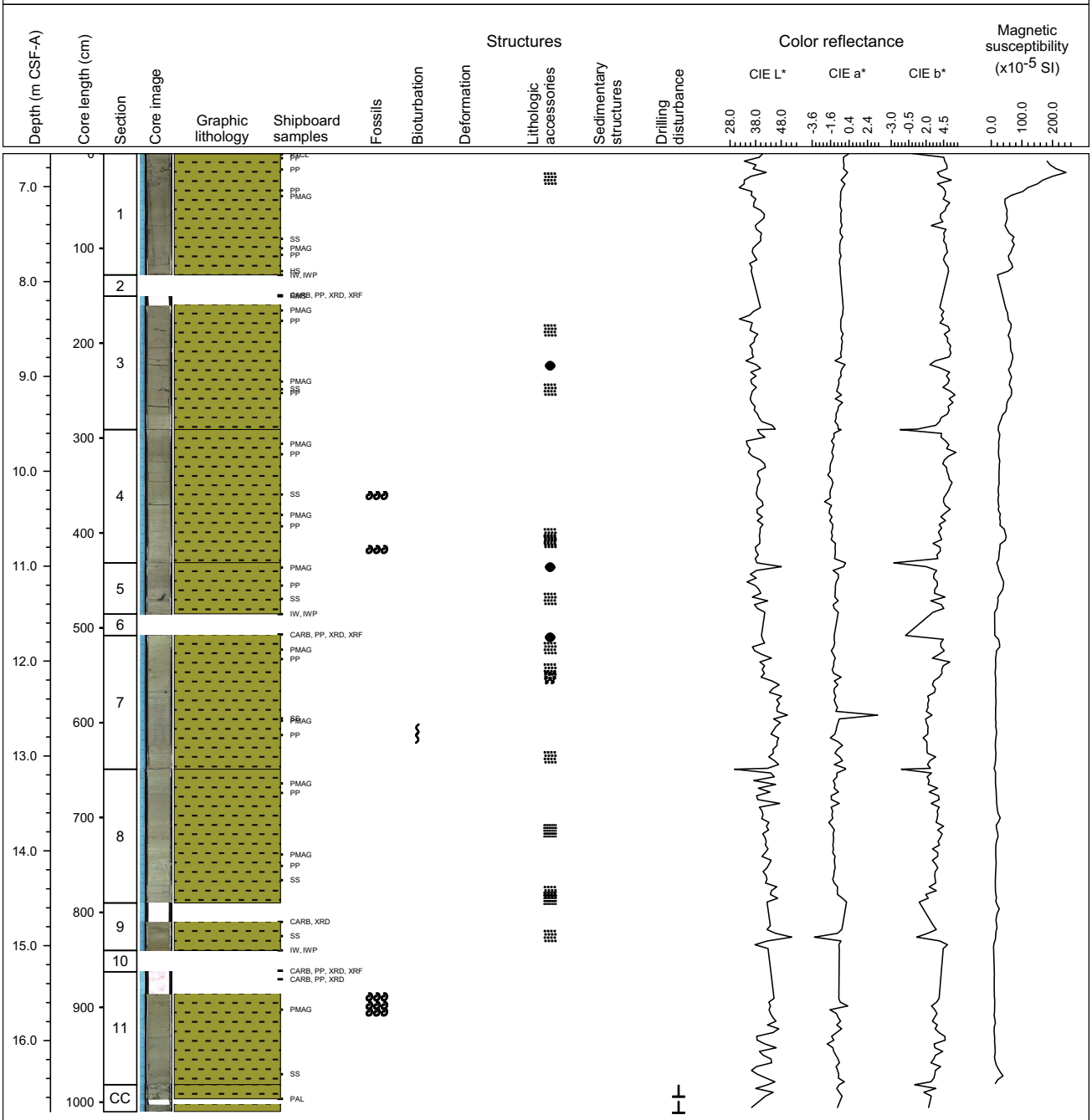


# Core Photo

Hole C0018A Core 2H, interval 6.65-16.75 m (core depth below seafloor)

Silty clay with some laminae of volcaniclastic sand.

Some shell fragments in section 11.

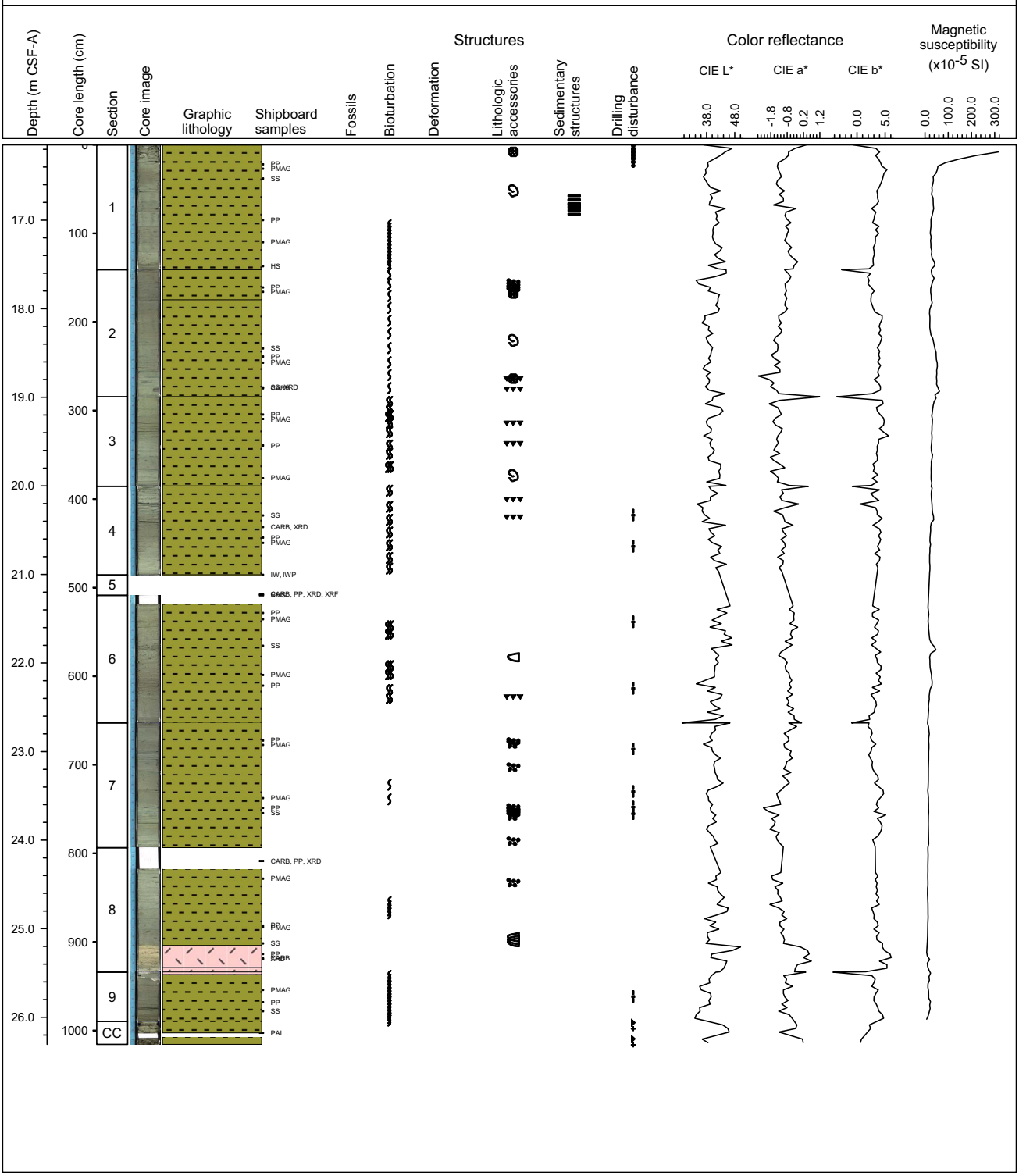


# Core Photo

Hole C0018A Core 3H, interval 16.15-26.306 m (core depth below seafloor)

Bioturbated silty clay (Munsell colour 10GY 4/1) with a layer of volcaniclastic ash at the bottom.

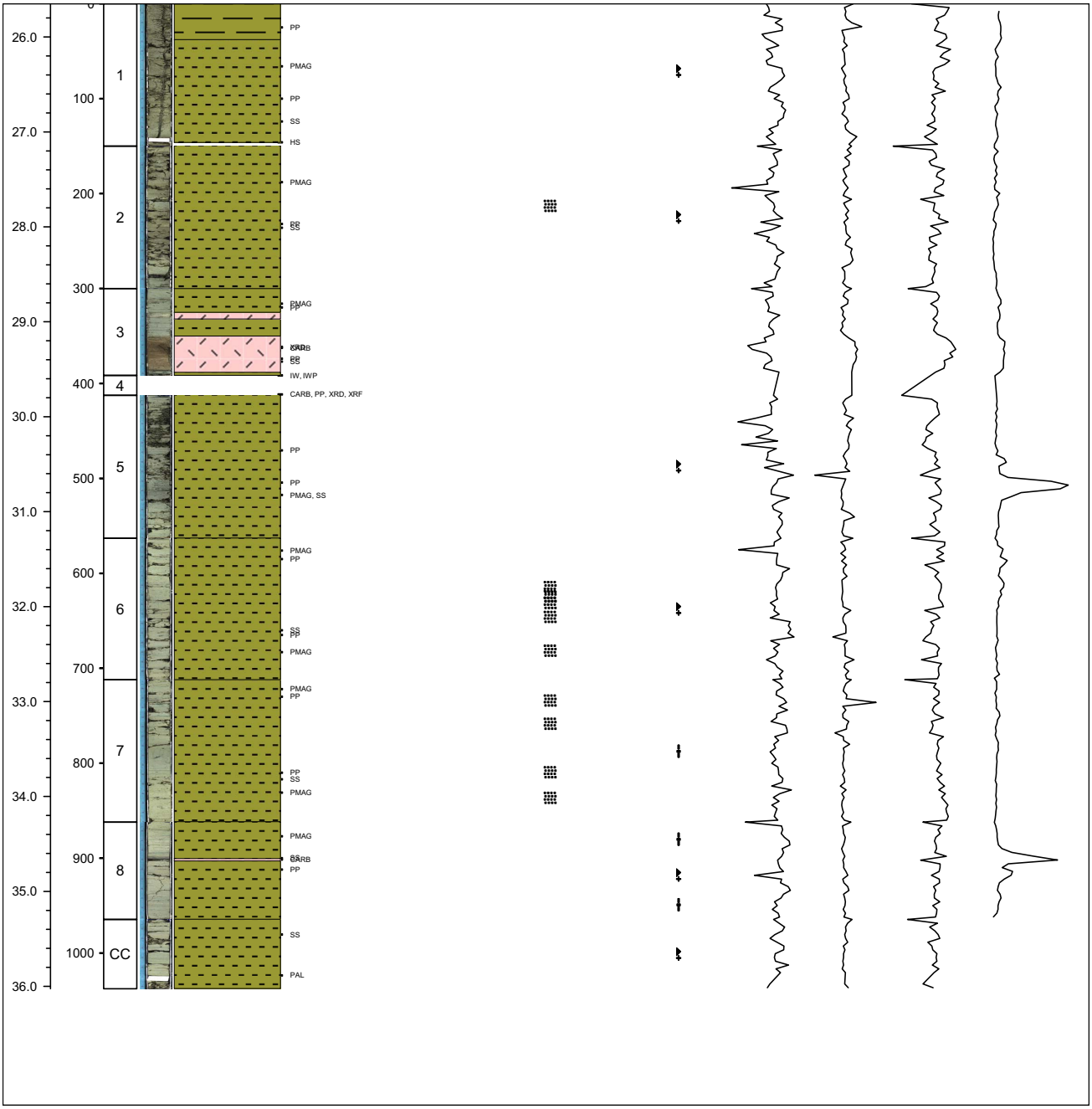
Mottling is pervasive in the entire core.



# Core Photo

Hole C0018A Core 4H, interval 25.65-36.025 m (core depth below seafloor)

Silty clay with intercalations of volcanicastic ash, as laminae or individual beds.



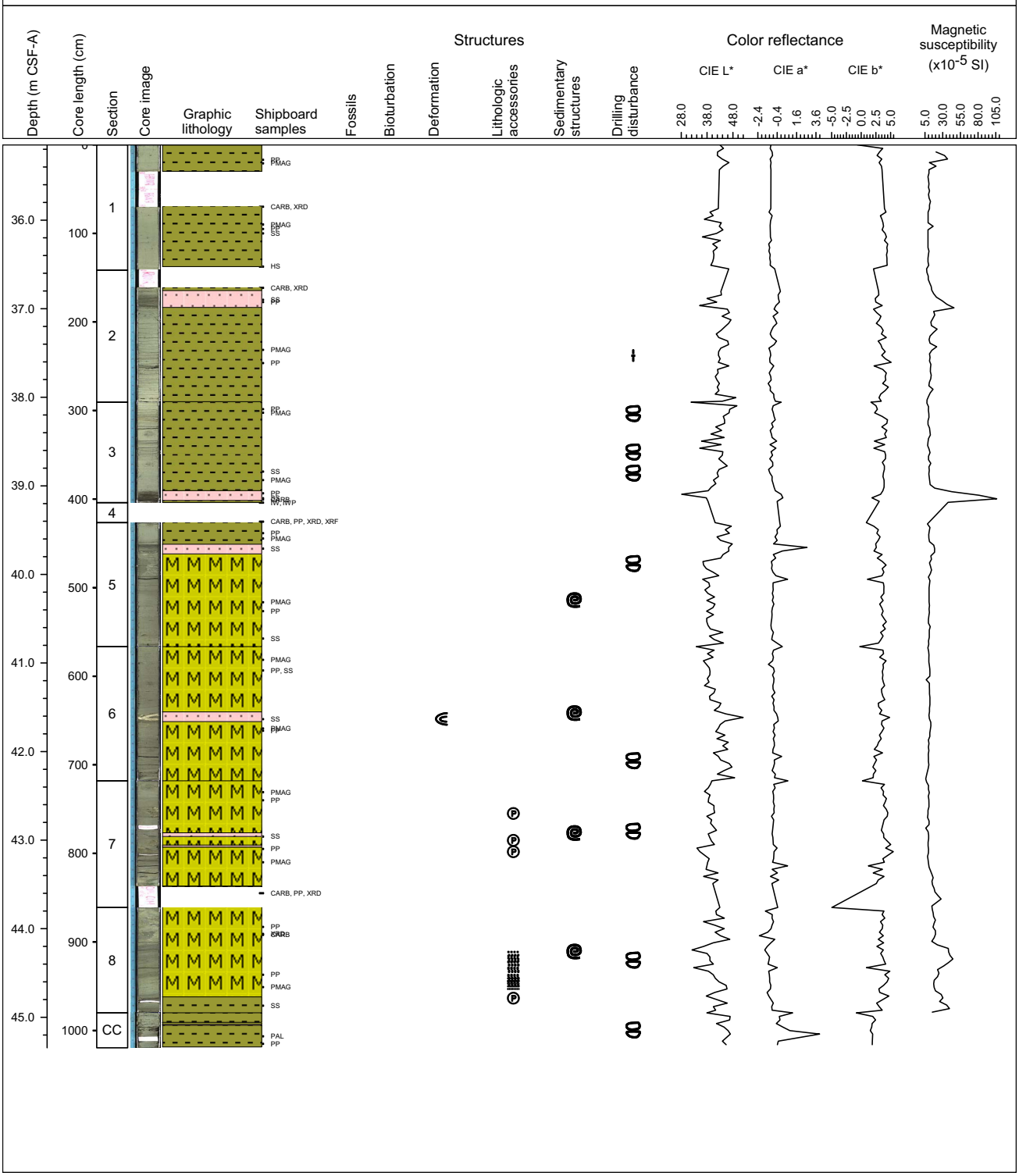
# Core Photo

Hole C0018A Core 5H, interval 35.15-45.345 m (core depth below seafloor)

Convoluted bedding and tilted lamina at Section 8 indicates slumping/MTD.

Pumice present at the bottom of the core as single isolated clasts.

Volcanic ash and sand widespread in the core, sometimes as patches of volacaniclastic material.



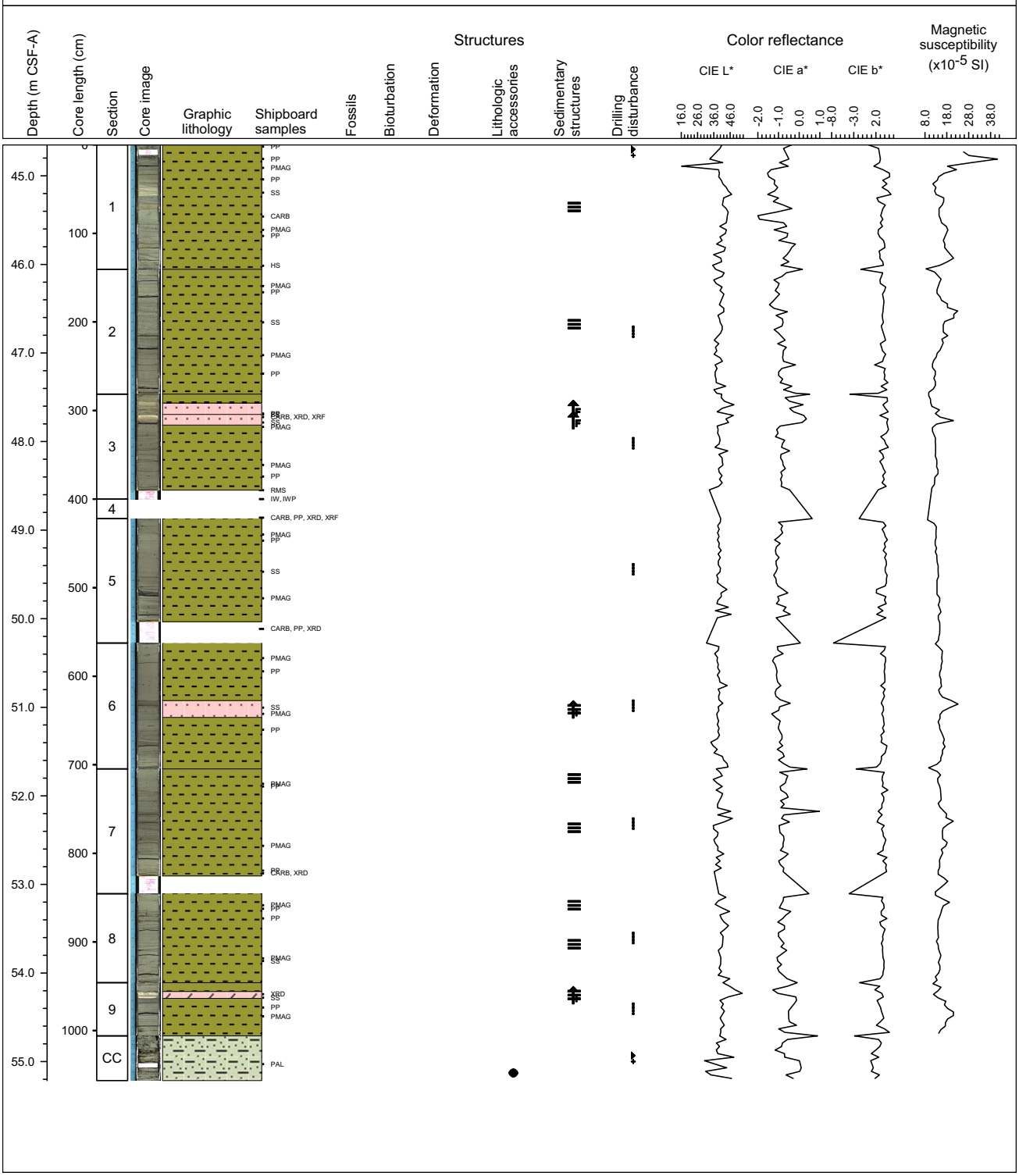
# Core Photo

Hole C0018A Core 6H, interval 44.65-55.215 m (core depth below seafloor)

Normal graded levels of sand, at times volcaniclastic, amidst silty clays.

Silty clays are banded. Sub-horizontal bands mostly, but section 2 has 30 degree bands at approximately half-way through its length.

Minor core disturbance, with the exception of the core catcher.



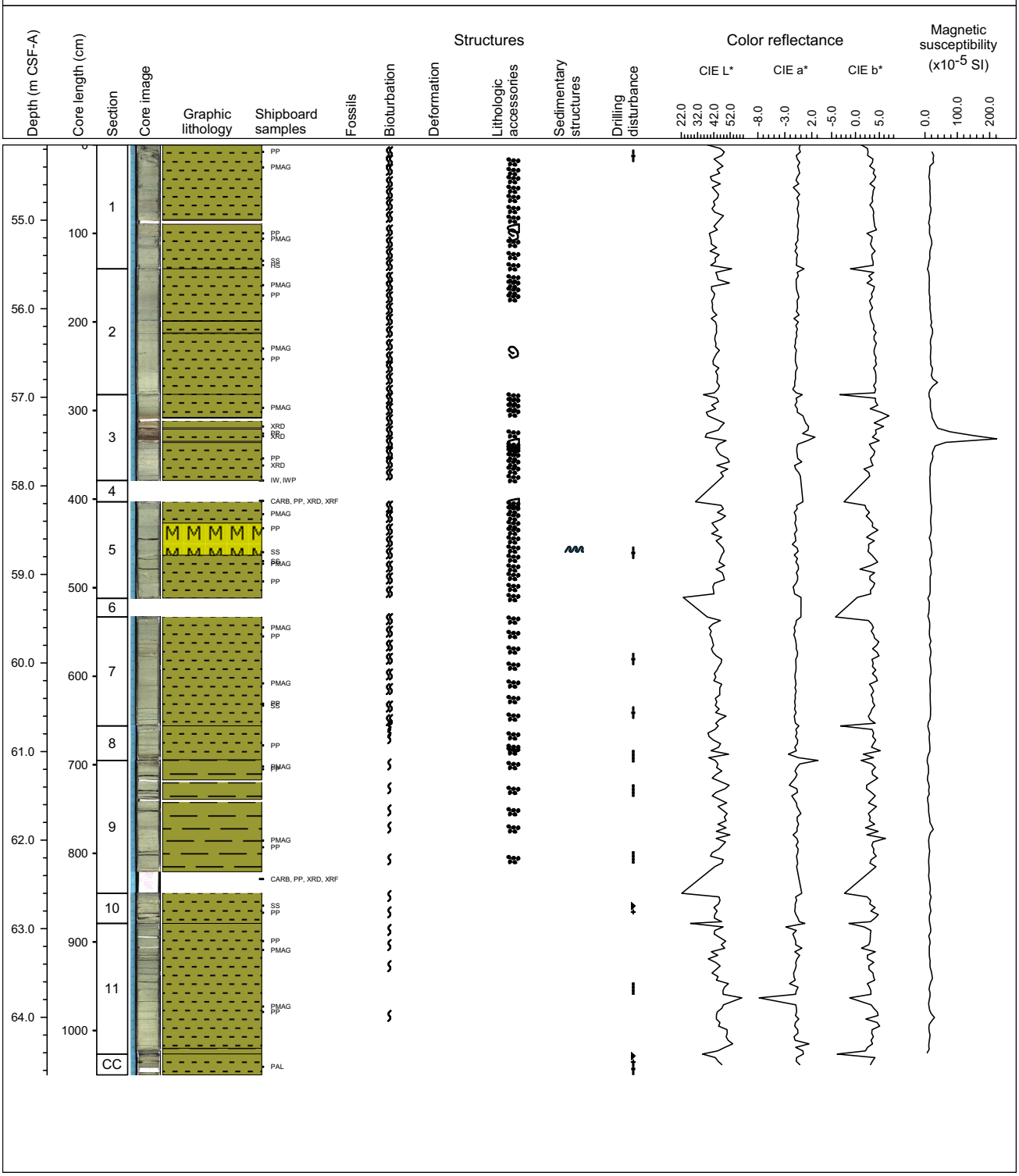
# Core Photo

Hole C0018A Core 7H, interval 54.15-64.65 m (core depth below seafloor)

A mildly biorturbated silty clay, mostly dark grey (10GY 4/1), with some colour mottling and banding.

Some convolution occurs in section 5, at around 50 cm depth. A few clasts of lighter mud occur just above 50 cm depth.

Some drilling disturbance towards the bottom of the core.



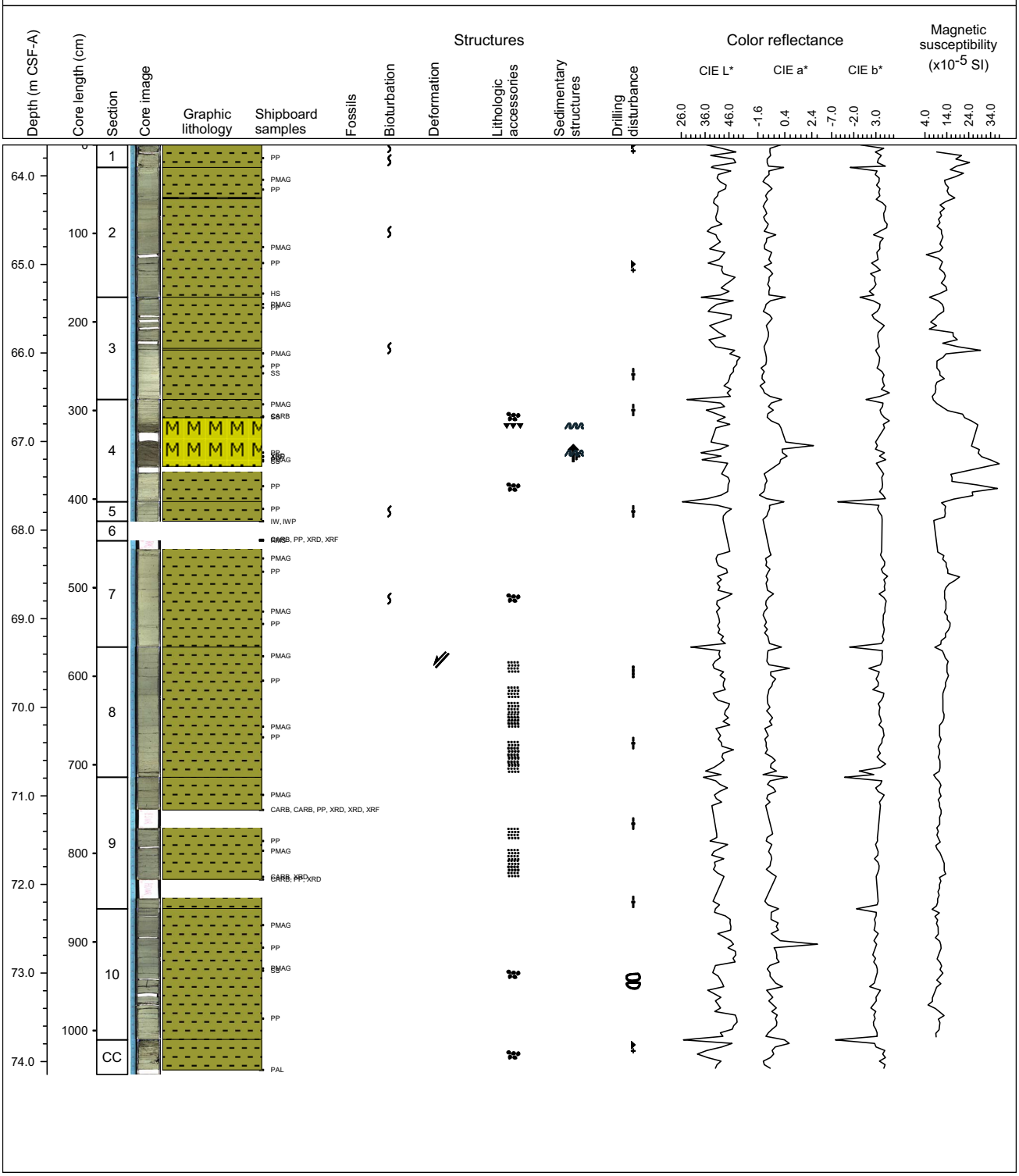
# Core Photo

Hole C0018A Core 8H, interval 63.65-74.145 m (core depth below seafloor)

A homogeneous succession of silty clay with some convolute bedding and ash laminae.

Mottling occurs 2/3 into the core.

Some bioturbation.



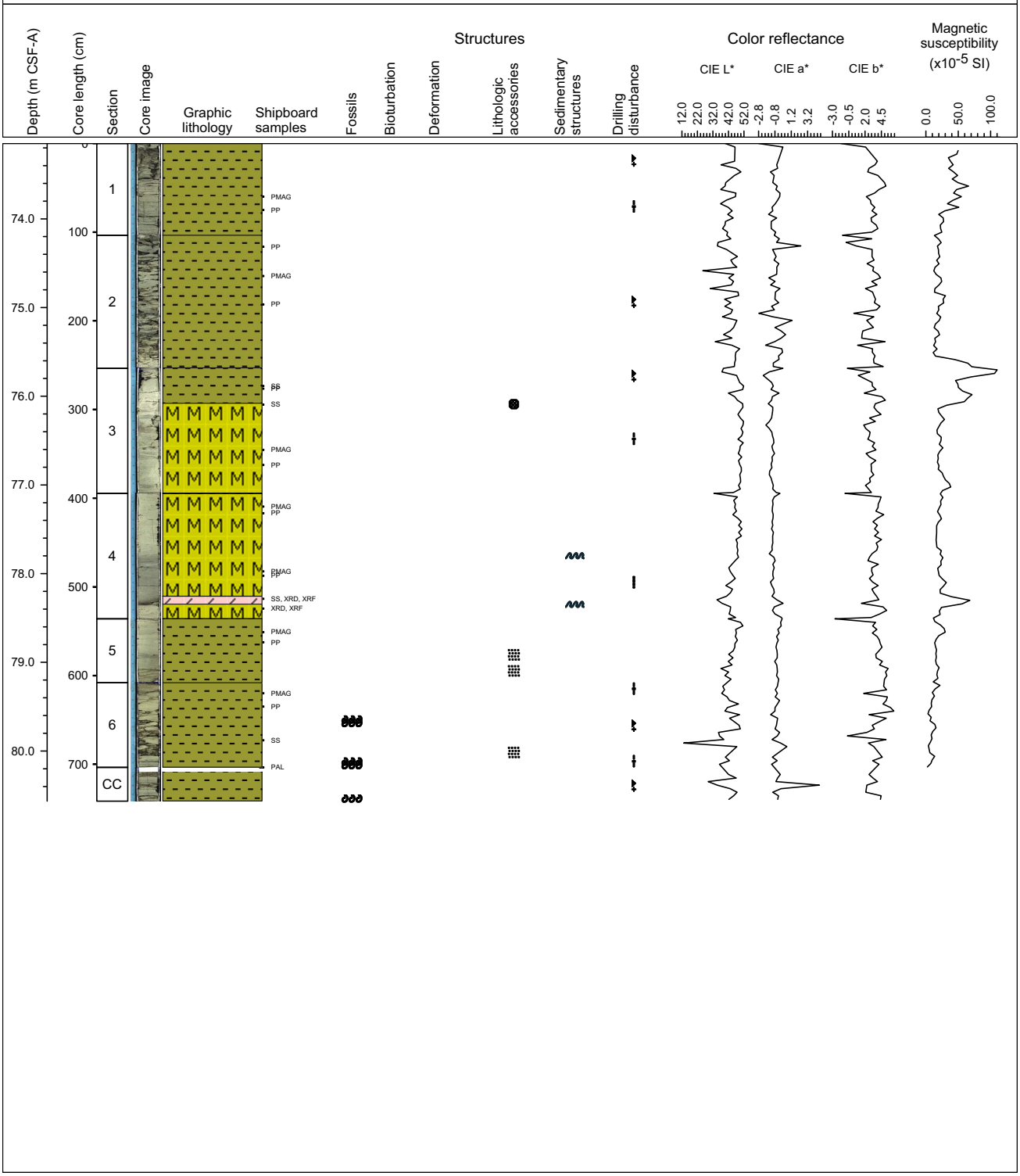
# Core Photo

Hole C0018A Core 9H, interval 73.15-80.565 m (core depth below seafloor)

A moderately to heaviliy disturbed core with sparse volcaniclastic intercalations.

Biogenic material increases towards the bottom of the core, where shell fragments of 1-2mm in diameter are observed.

Very thin (<2 cm) intercalations of black material, either as mud or as fine volcanic ash, are observed in the lowerst paart of the core.



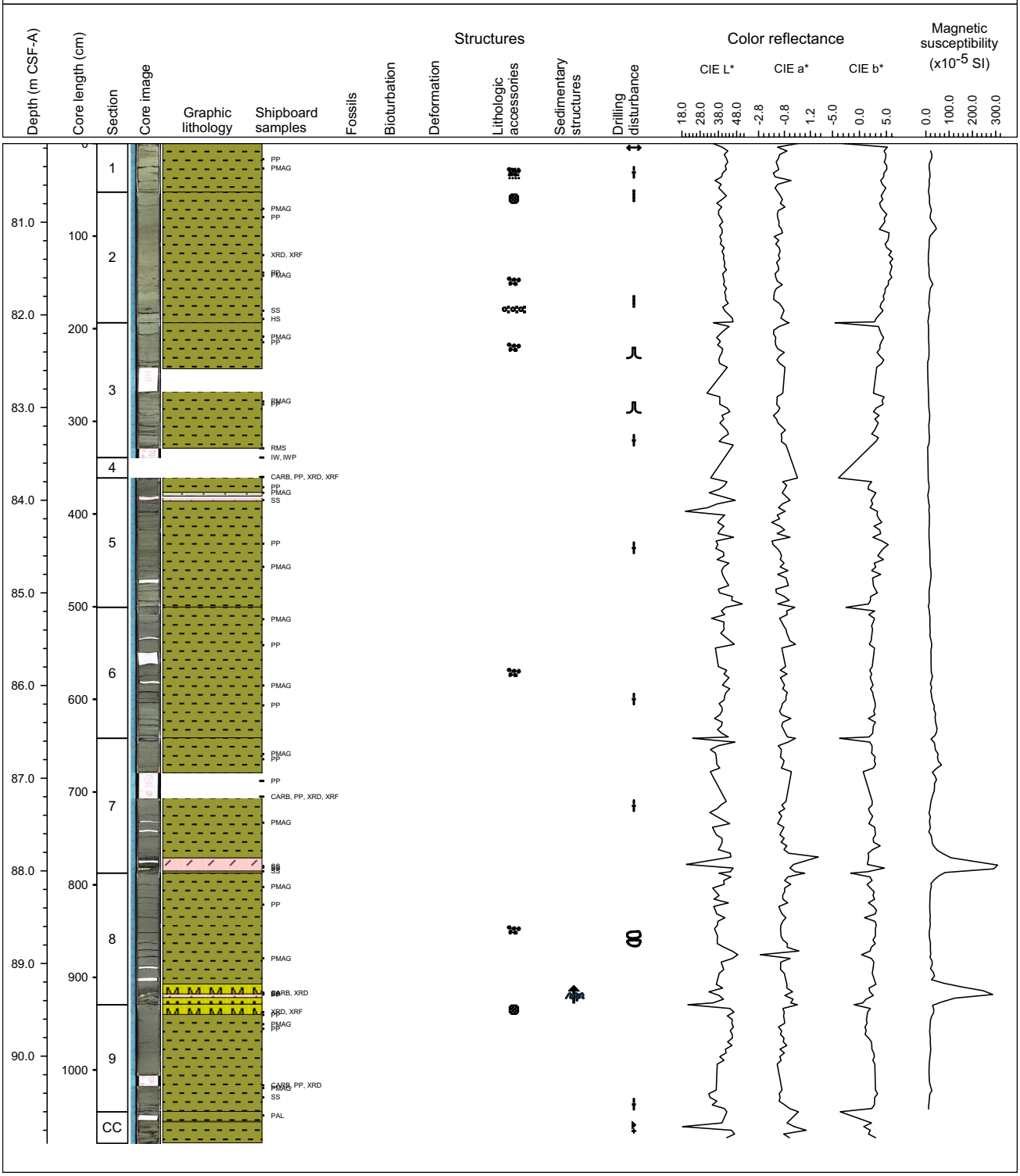
# Core Photo

Hole C0018A Core 10H, interval 80.15-90.94 m (core depth below seafloor)

A homogeneous core with silty clay, interrupeted by sharp volcaniclastic ashes and fine sands. The base of these ashes/sands is sharp.

Silty clays are mottled throughout the core. Some volcaniclastic clasts/pebbles occur in the succession, as well as a mud clast on top of the core.

The volcaniclastic sands/ashes show a fining upwards trend, with sharp bases but gradual transitions on top into the background silty clays.

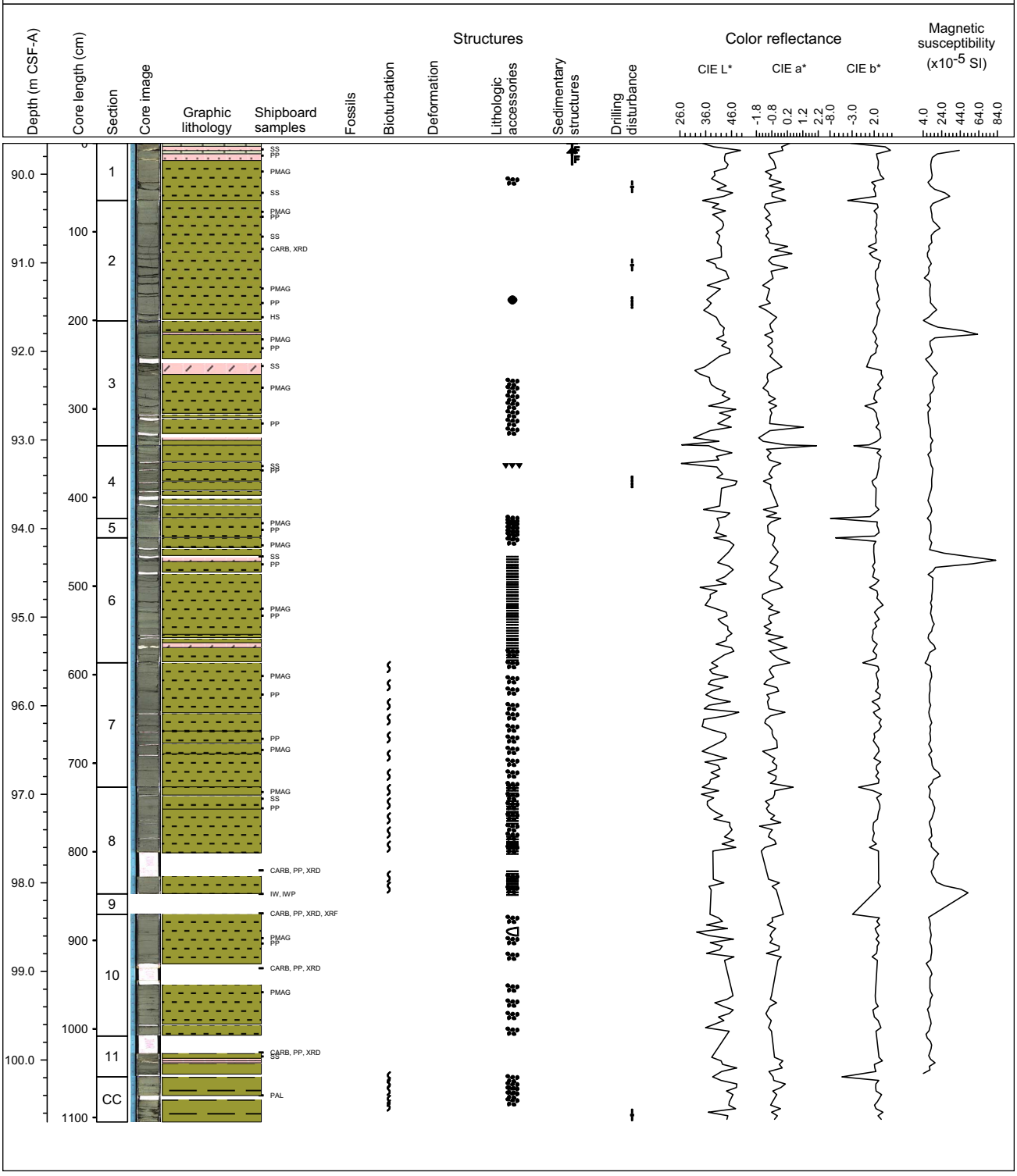


# Core Photo

Hole C0018A Core 11H, interval 89.65-100.7 m (core depth below seafloor)

Core 11H is dominated by dark greenish gray silty clay becomming more fine-grained (clay) and brown in the lower half of the core. Faint color mottling/bandingthroug

As above, dominantely hemipelagic sedimentation interrupted by 6-7 volcanic events.

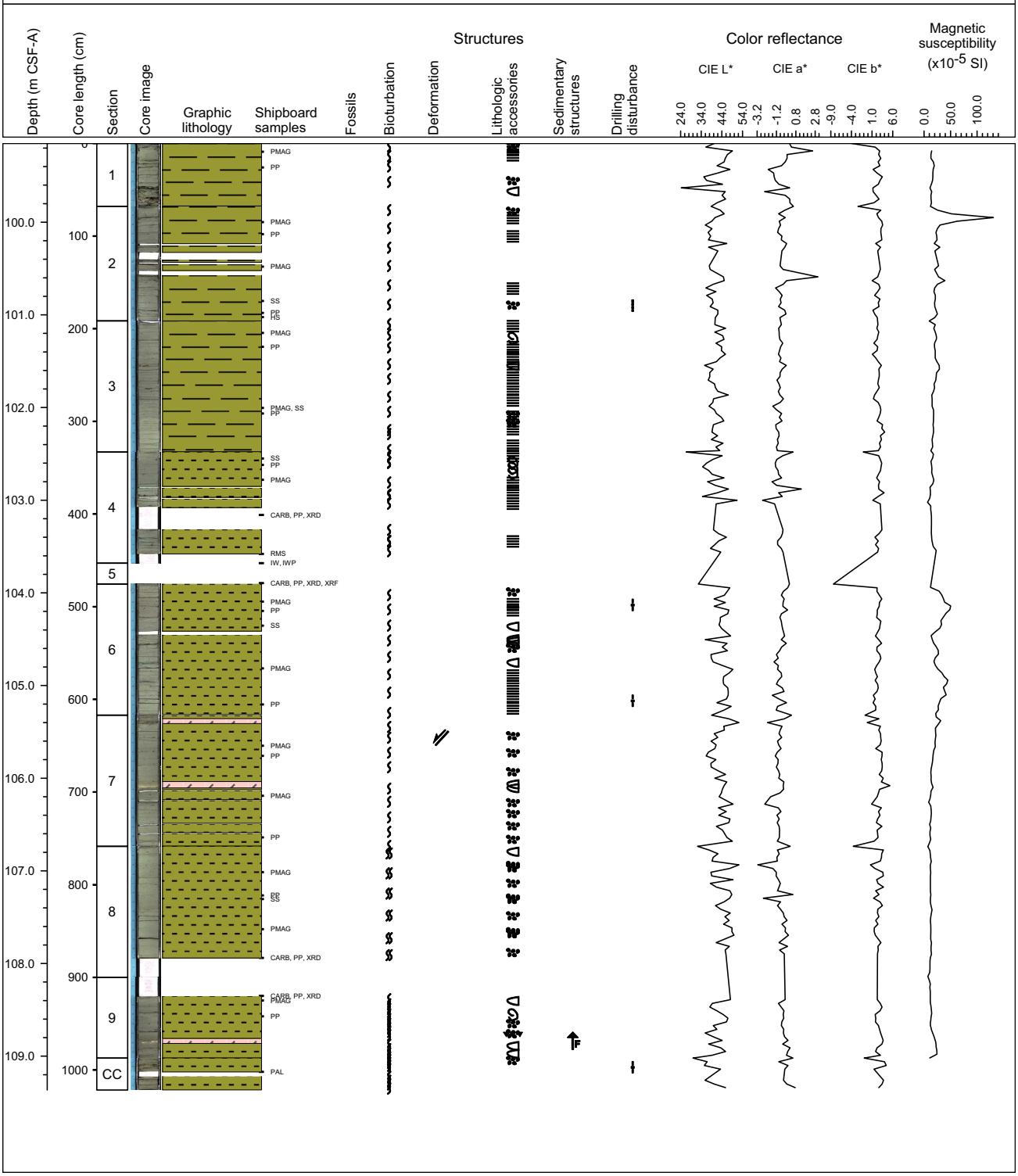


# Core Photo

Hole C0018A Core 12H, interval 99.15-109.365 m (core depth below seafloor)

This core is also dominated by dark greenish gray silty caly comprising color mottling and banding interrupted by some thin ash layers and patches of ash.

Dominantly hemipelagic sediments in this core, interrupted by volcanic events.

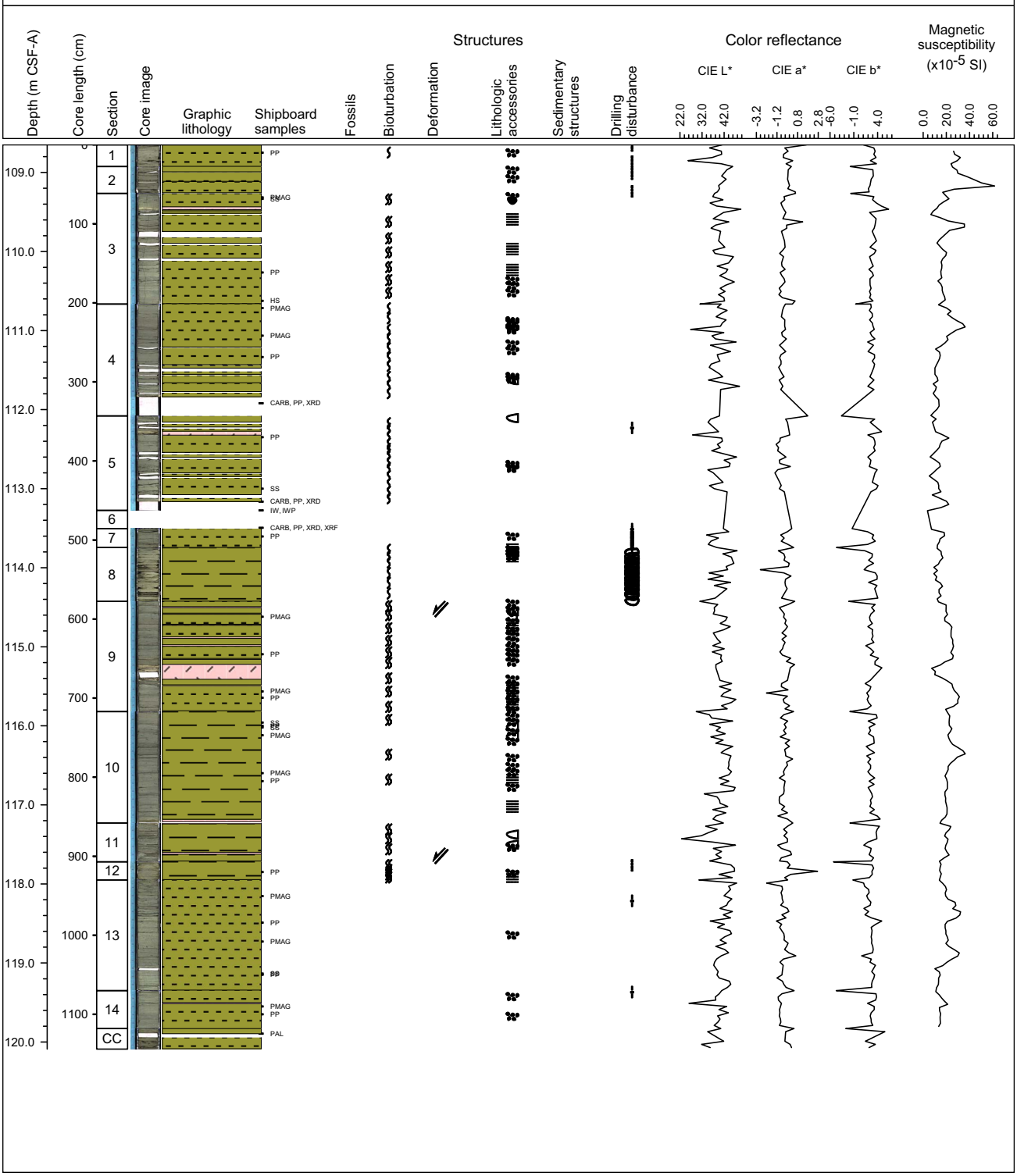


# Core Photo

Hole C0018A Core 13H, interval 108.65-120.09 m (core depth below seafloor)

A succession of silty clay intercalated with volcaniclastic layers and laminae.

Sediment is mottled and bioturbated.

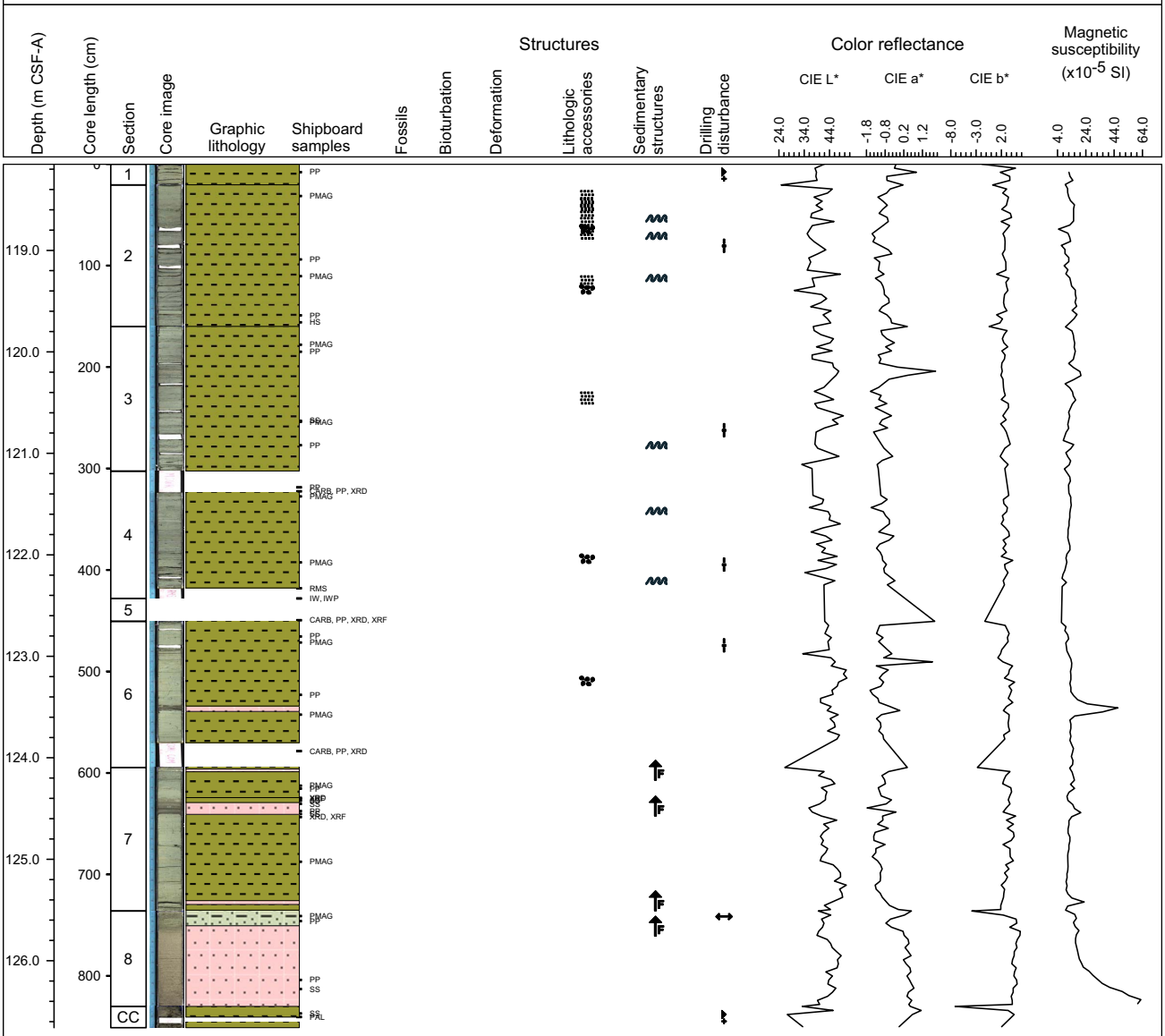


# Core Photo

Hole C0018A Core 14H, interval 118.15-126.66 m (core depth below seafloor)

Silty clay with volcaniclastic laminae and layers. Some convolution in thin intervals.

Sandy beds show a fining-upward trend.

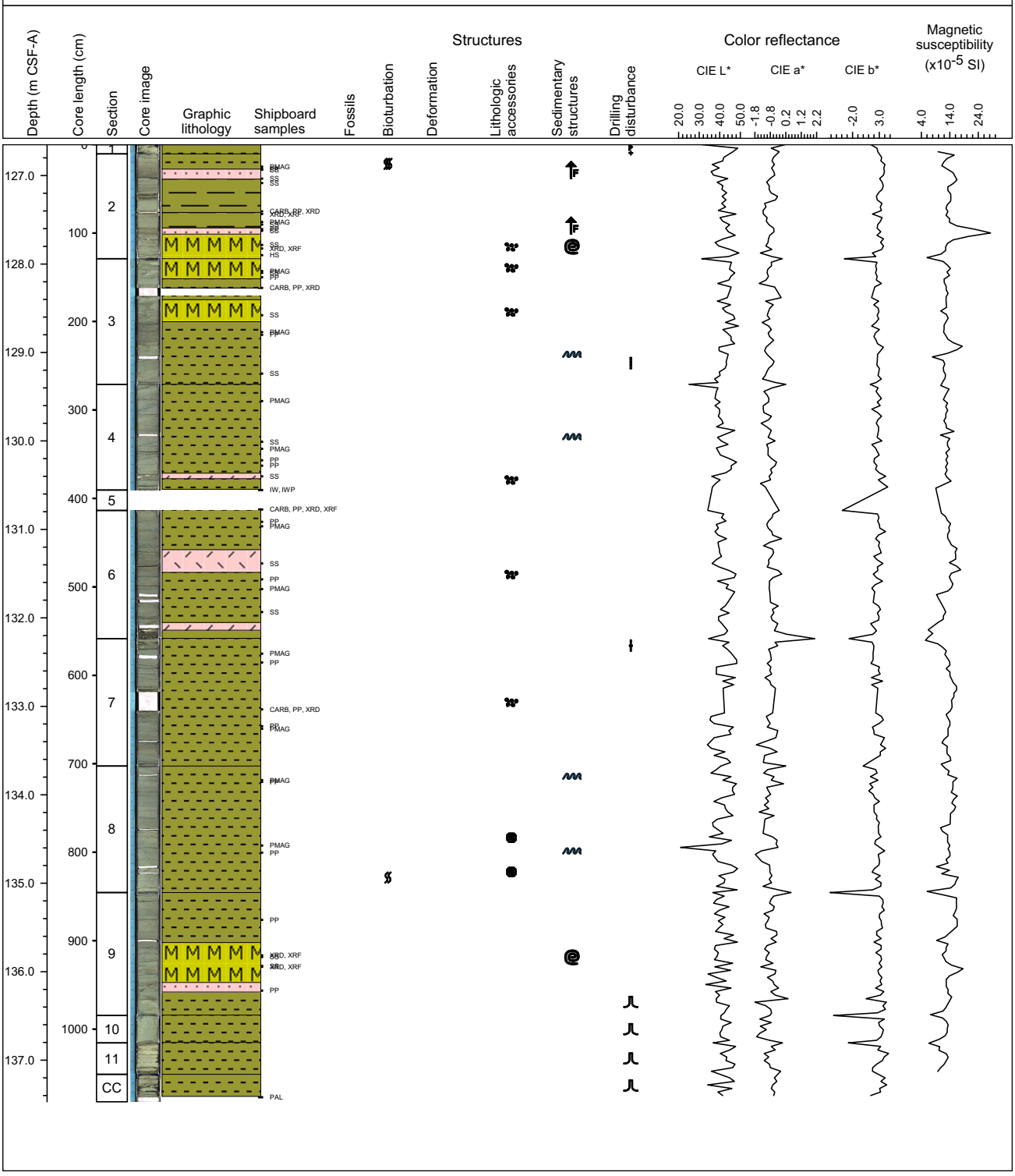


# Core Photo

Hole C0018A Core 15H, interval 126.65-137.47 m (core depth below seafloor)

Turbidite sands and silty clays, interrupted at 127.6 m by a large MTD.

Mottling and strata convolution occurs within the MTD. Mud clasts are abundant.

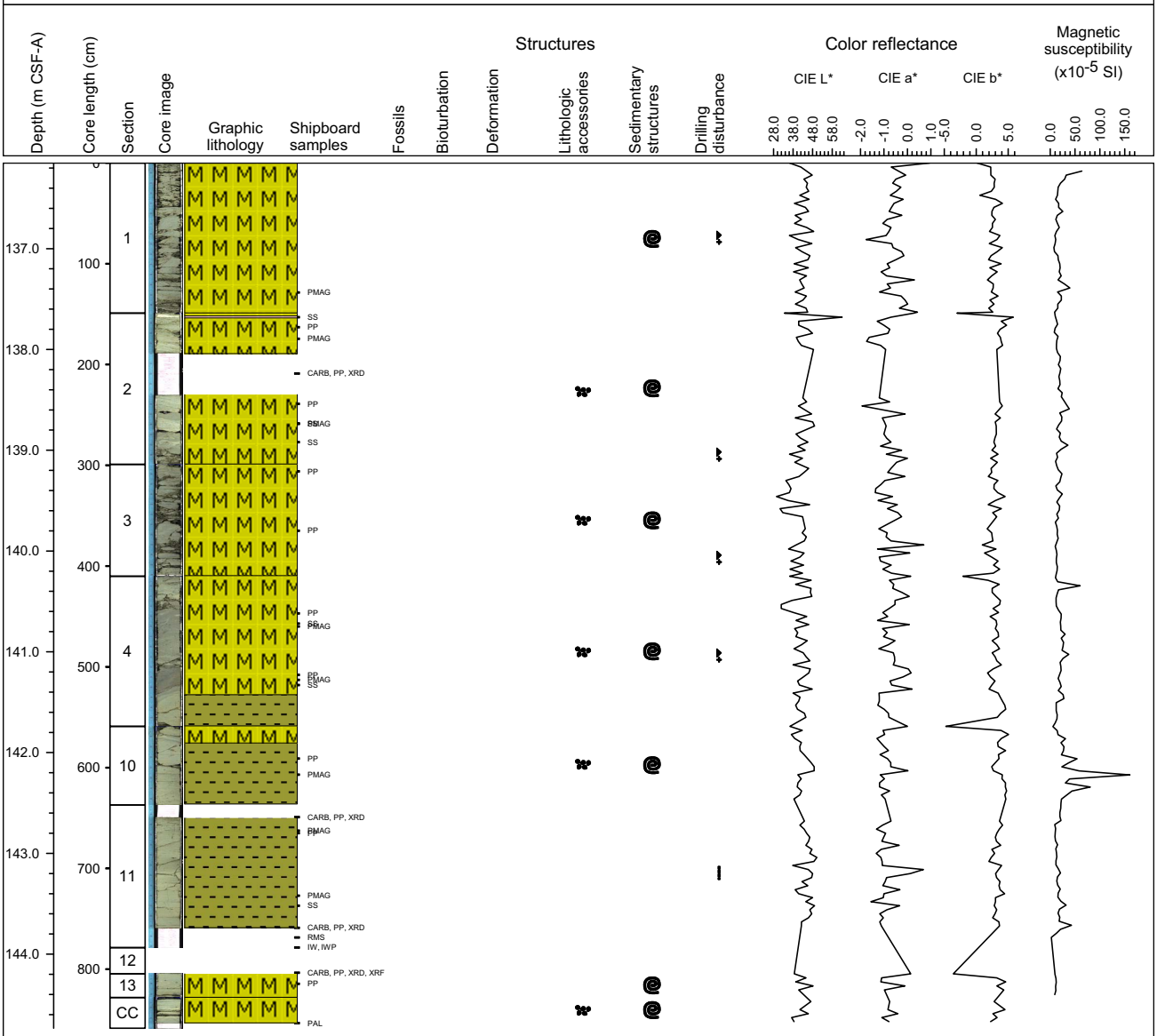


# Core Photo

Hole C0018A Core 16H, interval 136.15-144.735 m (core depth below seafloor)

Description: dark greenish gray silty clay including color mottling, banding, both horizontally dipping, folded and faulted (convolute bedding)

Interpretation: muddy succession which is reworked due to sediment failure, a continuation of the MTD in the core above. Interval of homogeneous silty caly may be p

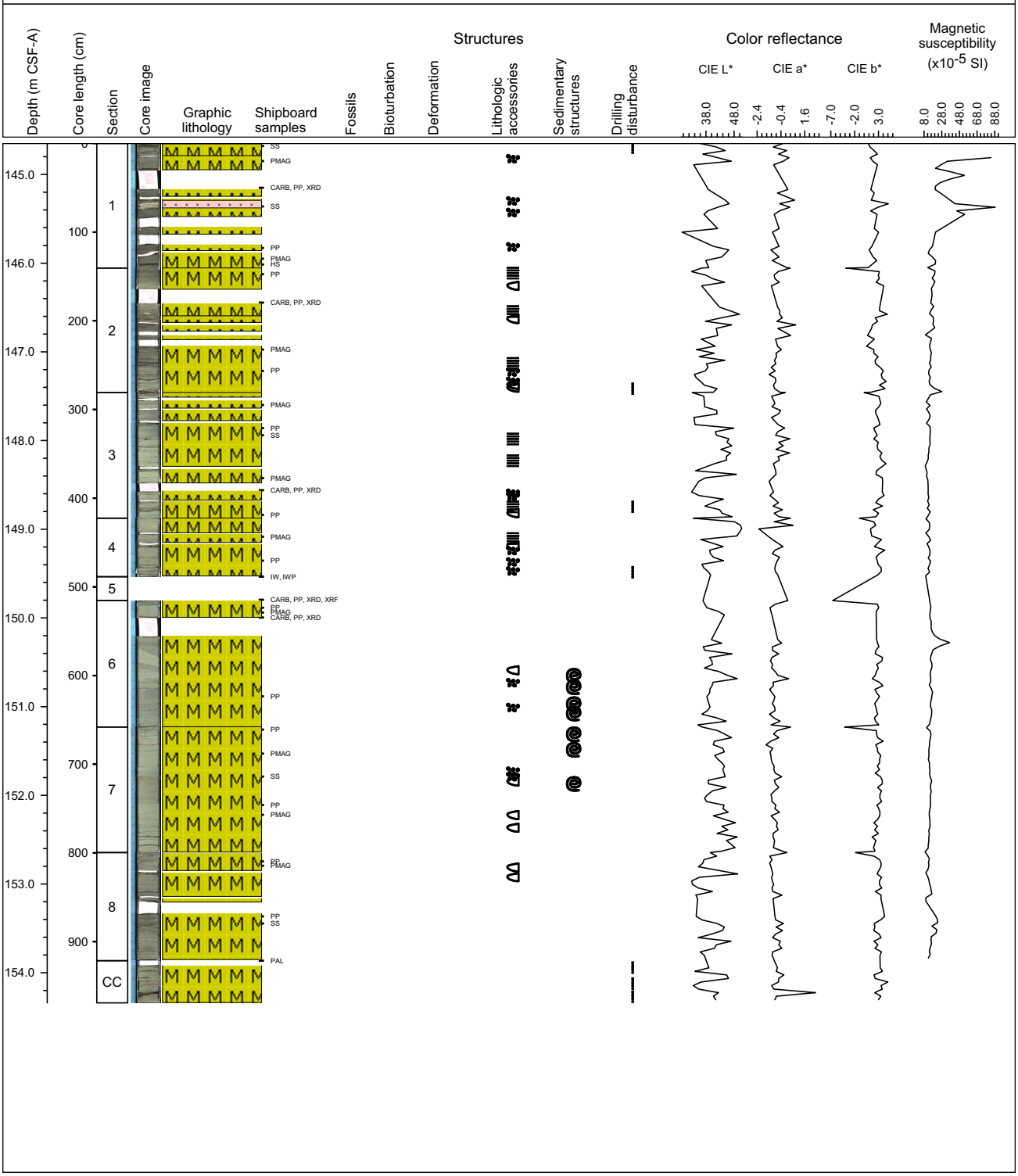


# Core Photo

Hole C0018A Core 17H, interval 144.65-154.34 m (core depth below seafloor)

Description: dark greenish gray silty clay including thin layers where ash is mixed into the clay, color mottling, banding; both dipping, folded and faulted, and one seen

interpretation: still MTD deposits including various sediment deformation structures and possible shear zones.

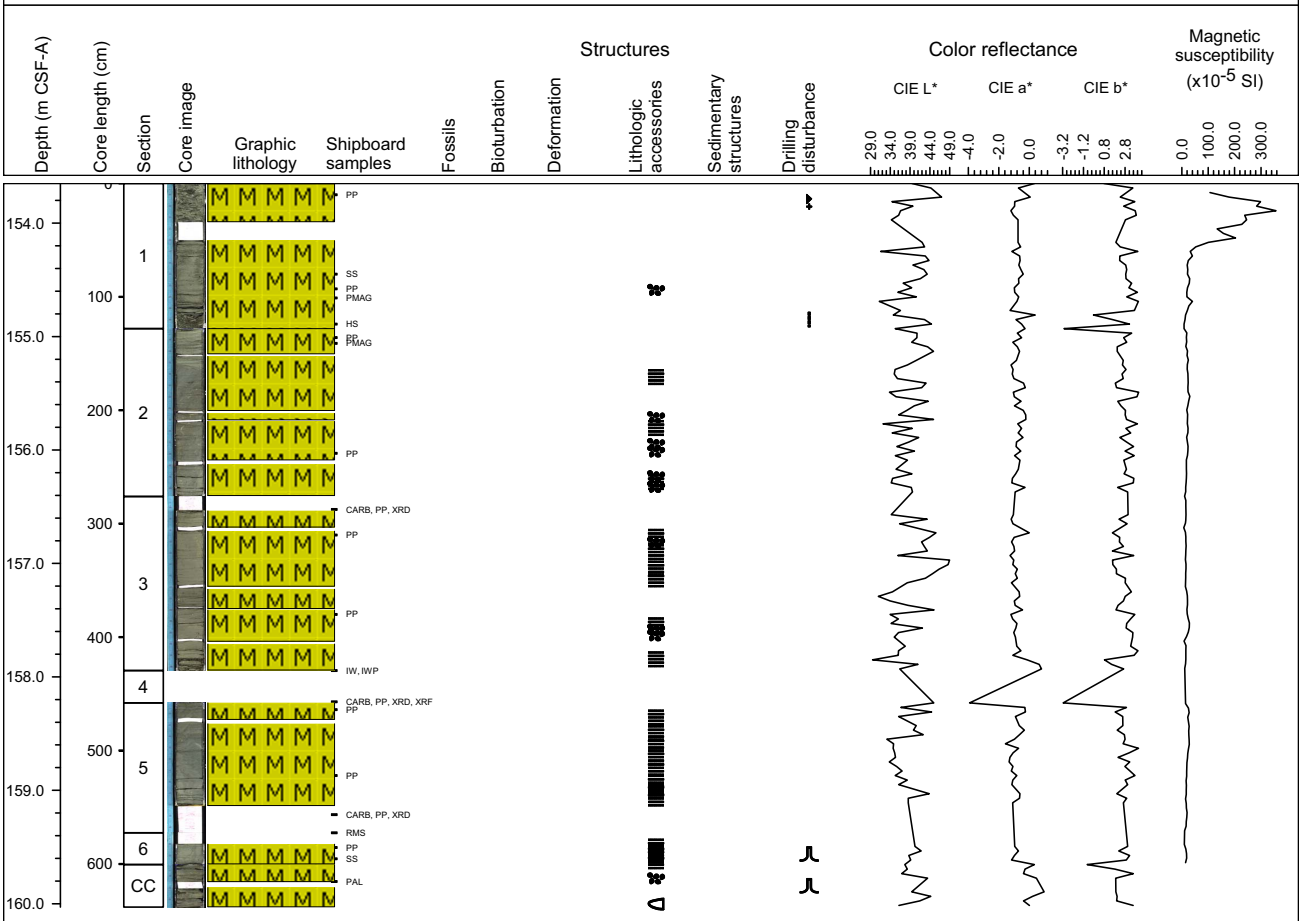


# Core Photo

Hole C0018A Core 18H, interval 153.65-160.03 m (core depth below seafloor)

Description: dark greenish gray clay comprising color mottling and dipping and up to vertical color bands

Interpretation: MTD deposits which may have been deformed by inflow during coring - alternatively, the structures were formed during deposition of the MTD



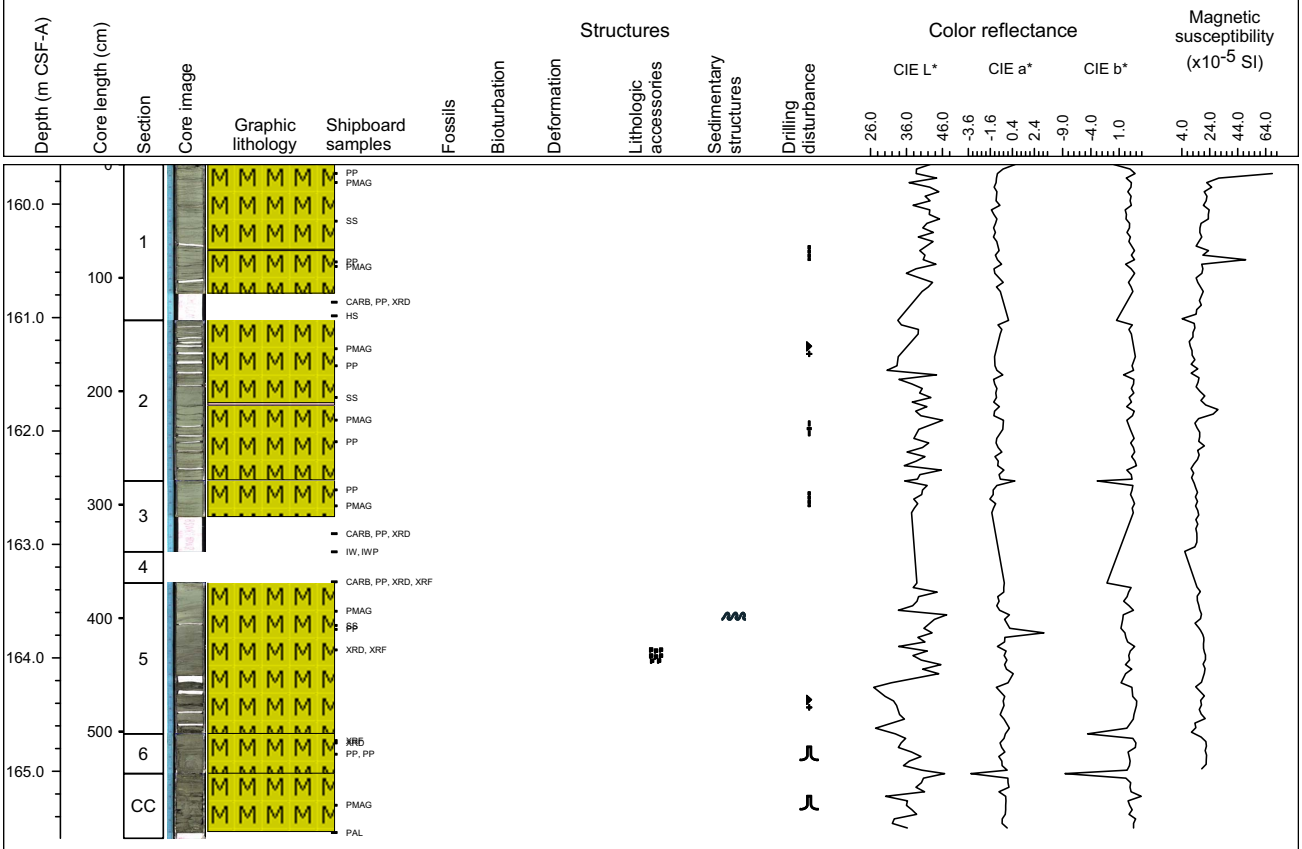
# Core Photo

Hole C0018A Core 19H, interval 159.65-165.59 m (core depth below seafloor)

Convoluted mass of MTD strata, at places deformed by coring. Flow-in at the base of the core.

The resulting silty clay is rheologically stiff at places.

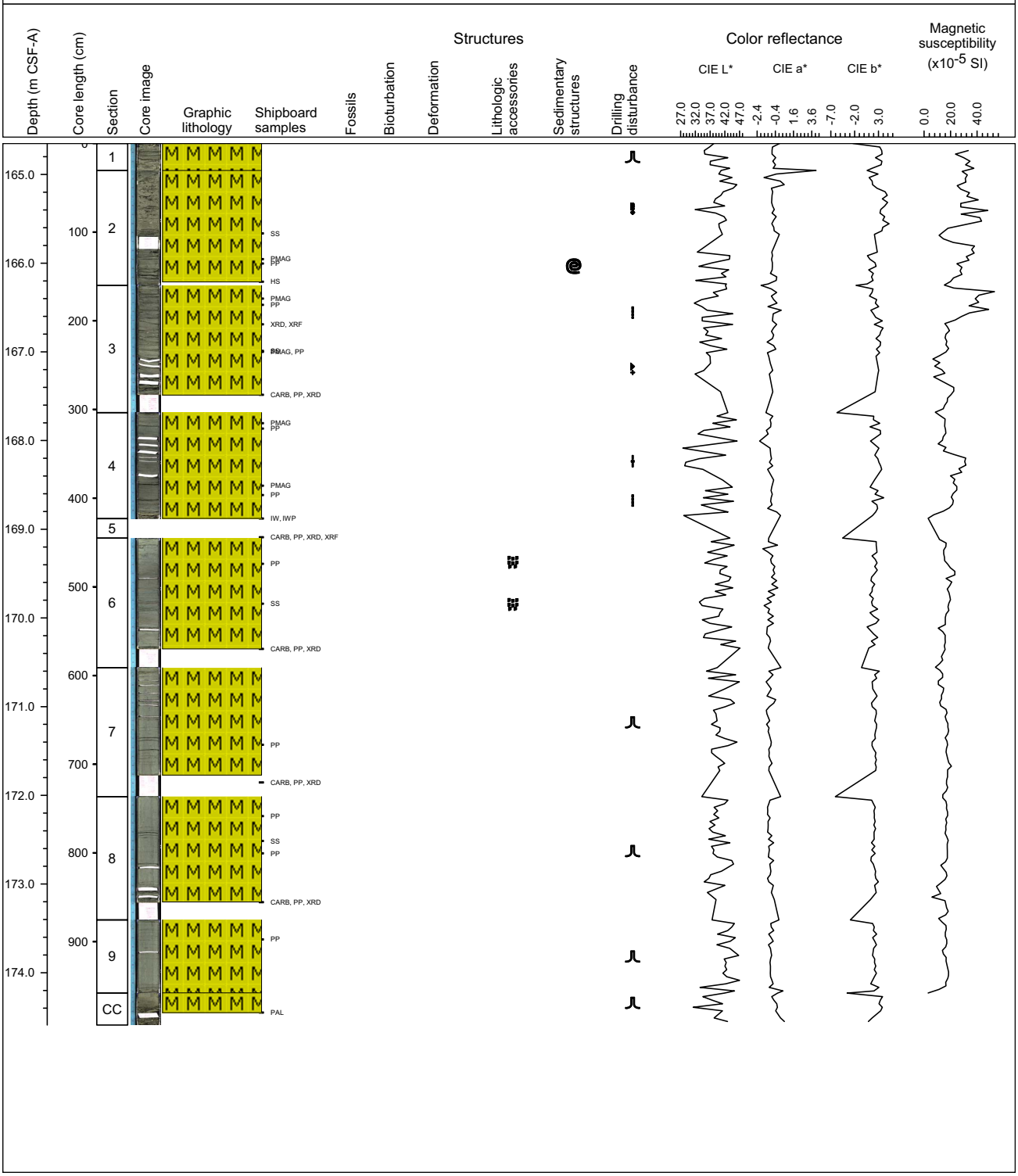
Scattered volcanic ash occurs in parts of the core.



# Core Photo

Hole C0018A Core 20H, interval 164.65-174.59 m (core depth below seafloor)

MTD strata with scattered volcanic ash. Sediment is highly deformed at the bottom of the core due to in flow of mud during coring.

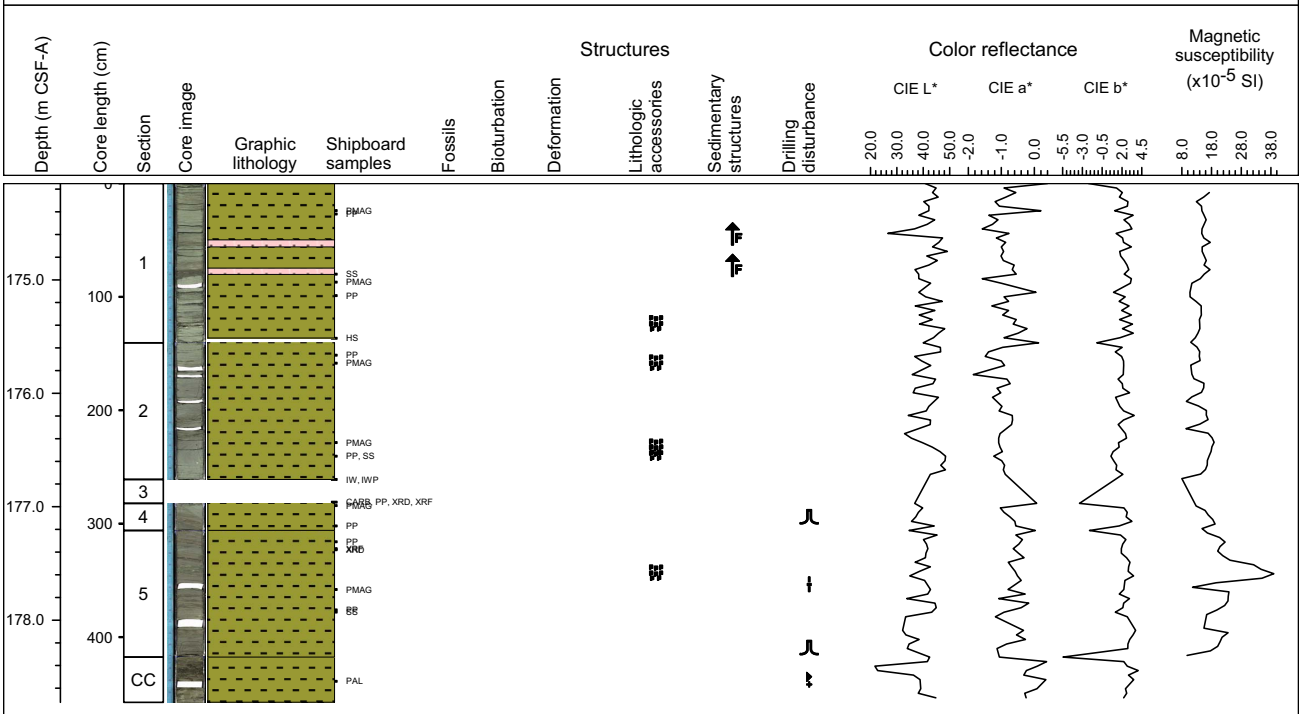


# Core Photo

Hole C0018A Core 21H, interval 174.15-178.725 m (core depth below seafloor)

Hemipelagic strat with occasional volcaniclastic sand. Possibly, a remnant block with the larger MTD.

Scattered volcanic ash.

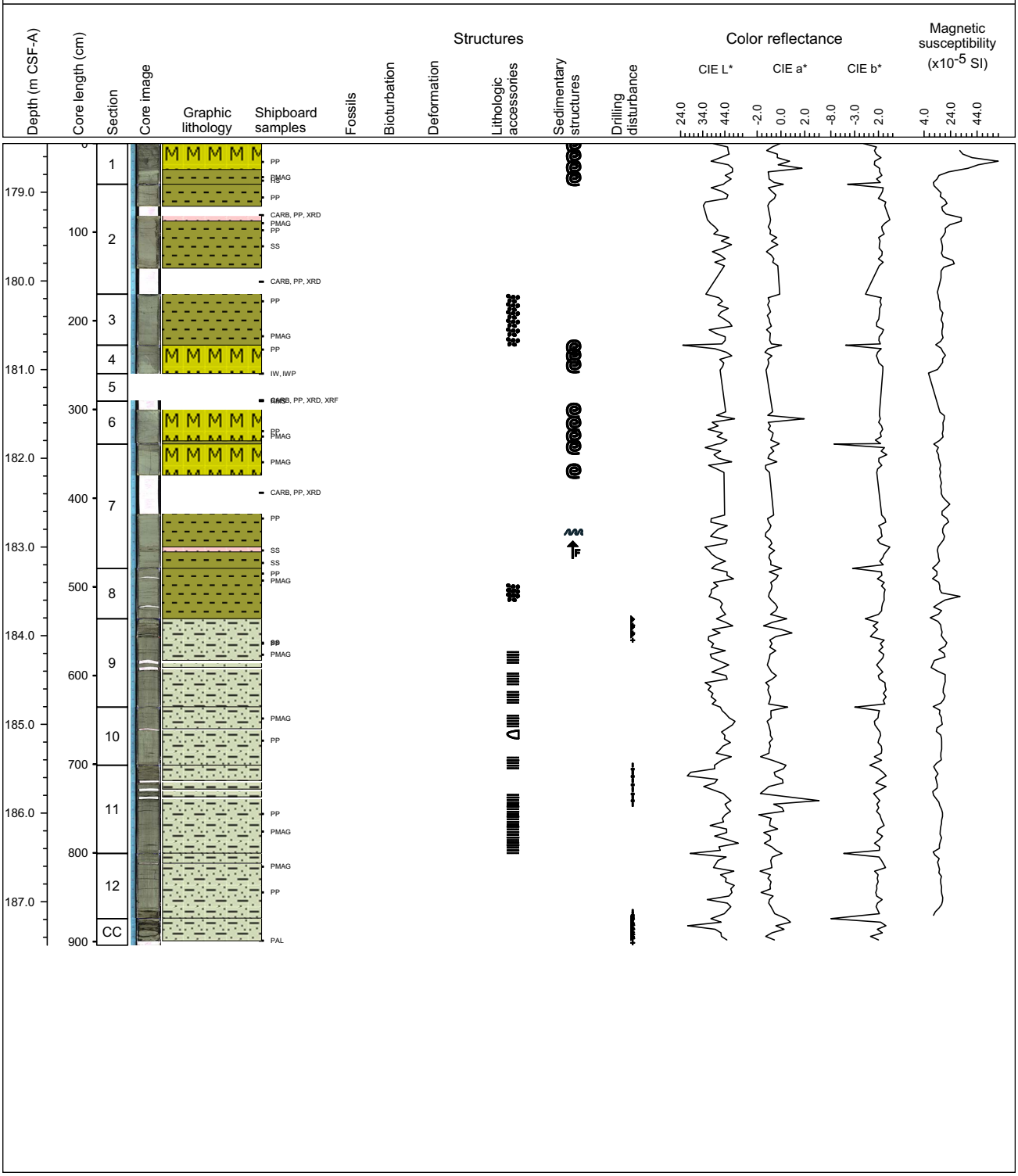


# Core Photo

Hole C0018A Core 22H, interval 178.45-187.49 m (core depth below seafloor)

Description: Dark greenish gray clay, in the lower part of the core, sandy clay with caotic bedding and color mottling

Interpretation: mass transport deposits, highly deformed sediments, some which be du to inflow during coring. In their lower part, sand is mixed into the clay, possibly

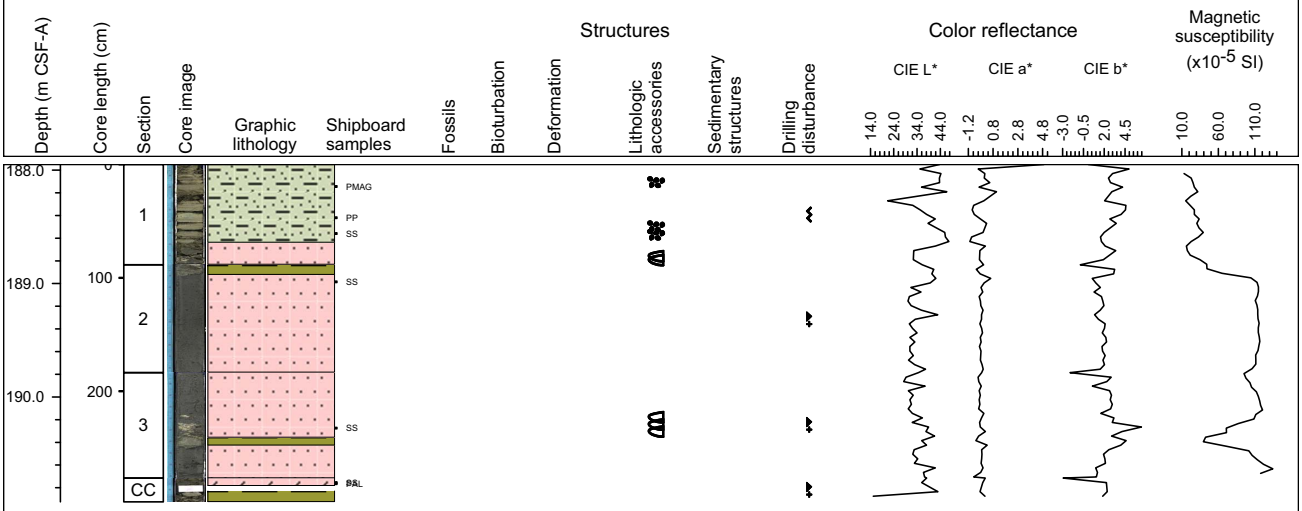


# Core Photo

Hole C0018A Core 23H, interval 187.95-190.925 m (core depth below seafloor)

Upper part comprises dask greenish gray sandy clay underlain by a heavily disturbed (during coring) sandy ash comprising two intervalls of dark greenish gray clay. D

Interpretation: sandy clay forms the lowermost part of the MTD underlain by a c. 1 m thick volcanic ash layer. Hemipelagic sediments at the base of the core.

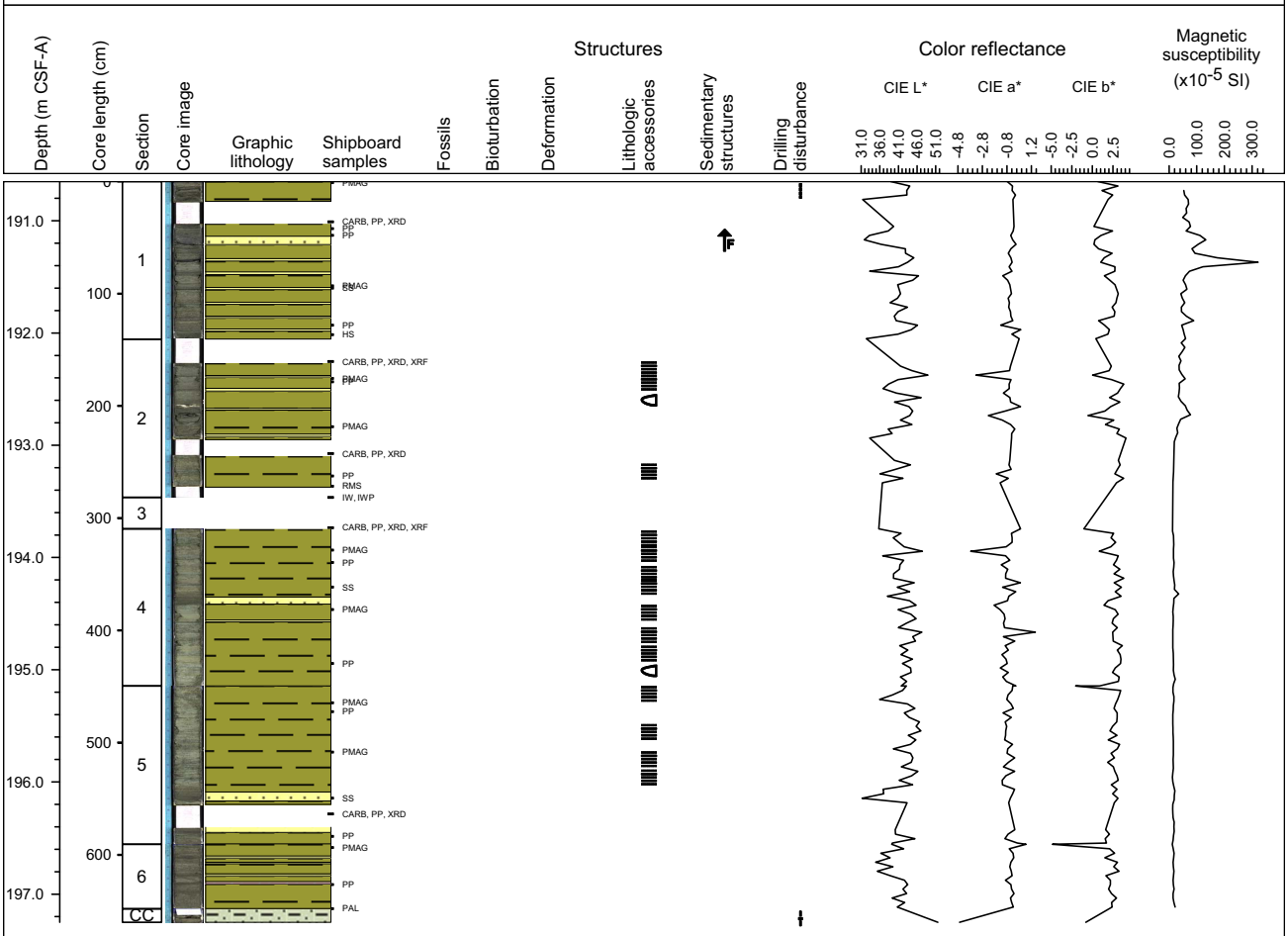


# Core Photo

Hole C0018A Core 24T, interval 190.65-197.25 m (core depth below seafloor)

Dark greenish gray clay including several thin ash layers, some have a sharp base and are fining upward.

Hemipelagic succession comprising ash and/or turbidite ash layers.

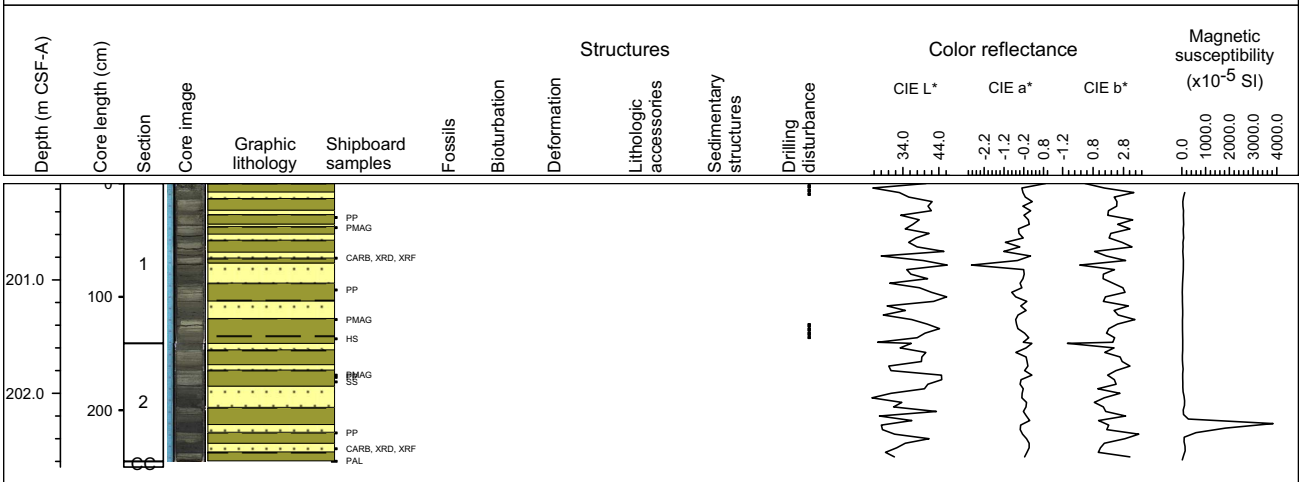


# Core Photo

Hole C0018A Core 25T, interval 200.15-202.65 m (core depth below seafloor)

Succession of dark greenish gray clay comprising a number of slightly darker greenish gray layers.

Interpretation: hemipelagic sediments interbedded with ash and/or turbidite.



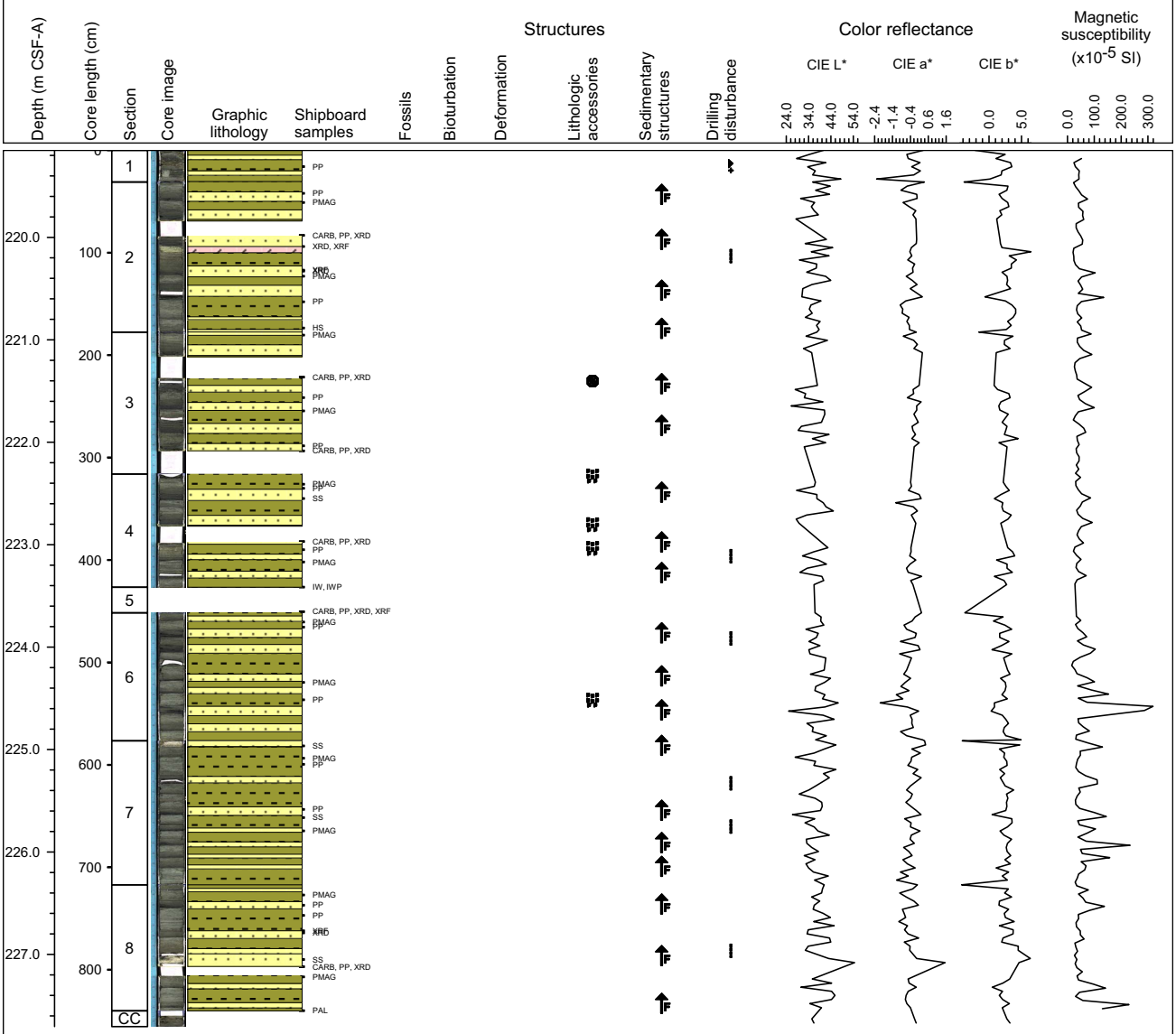

C0018A-26T: NO RECOVERY

# Core Photo

Hole C0018A Core 27T, interval 219.15-227.705 m (core depth below seafloor)

A succession of turbidites, Bouma sequences D to E, at places C without cross-lamination.

Sands are erosive at their base, darker and micaceous and/or with glass shards.

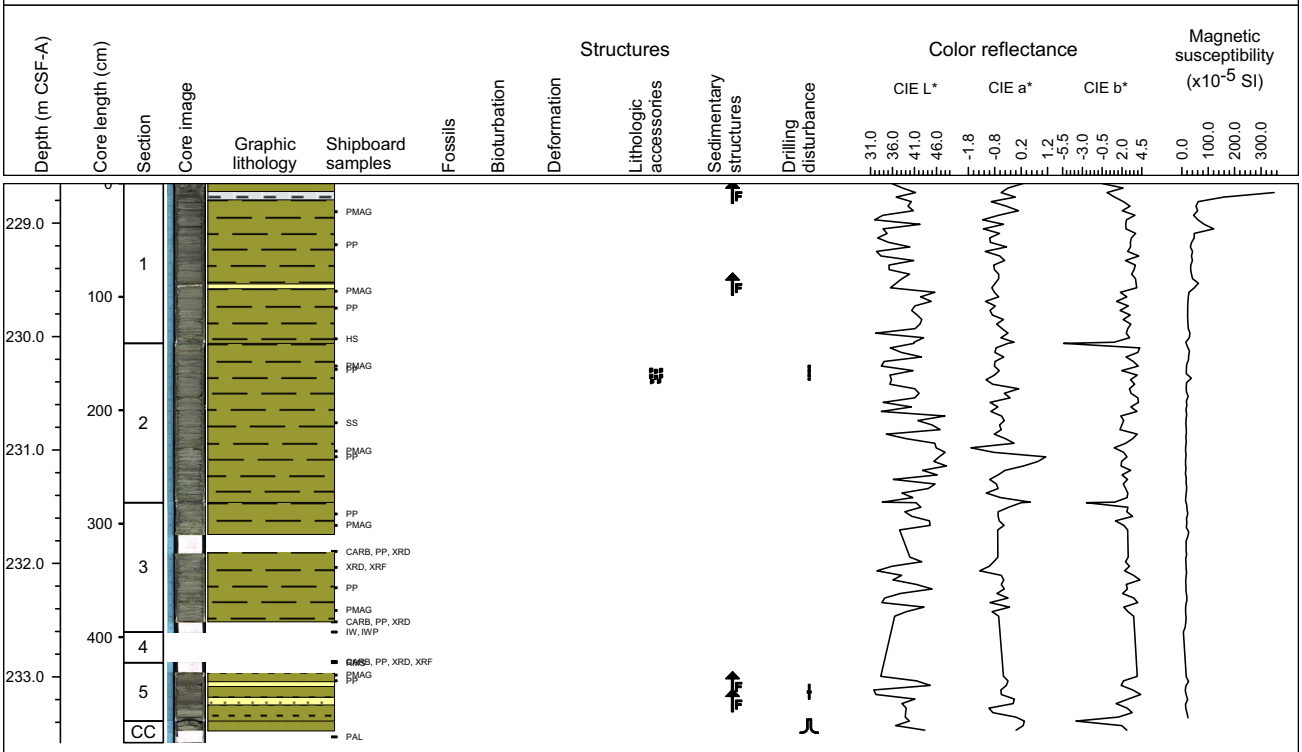


# Core Photo

Hole C0018A Core 28T, interval 228.65-233.58 m (core depth below seafloor)

A succession of clay, volcanic sand and ash, with a hardened interval between 229,5 m and 231.65 m.

Fining-upward intervals in sands. Some scattered pumice/ash.

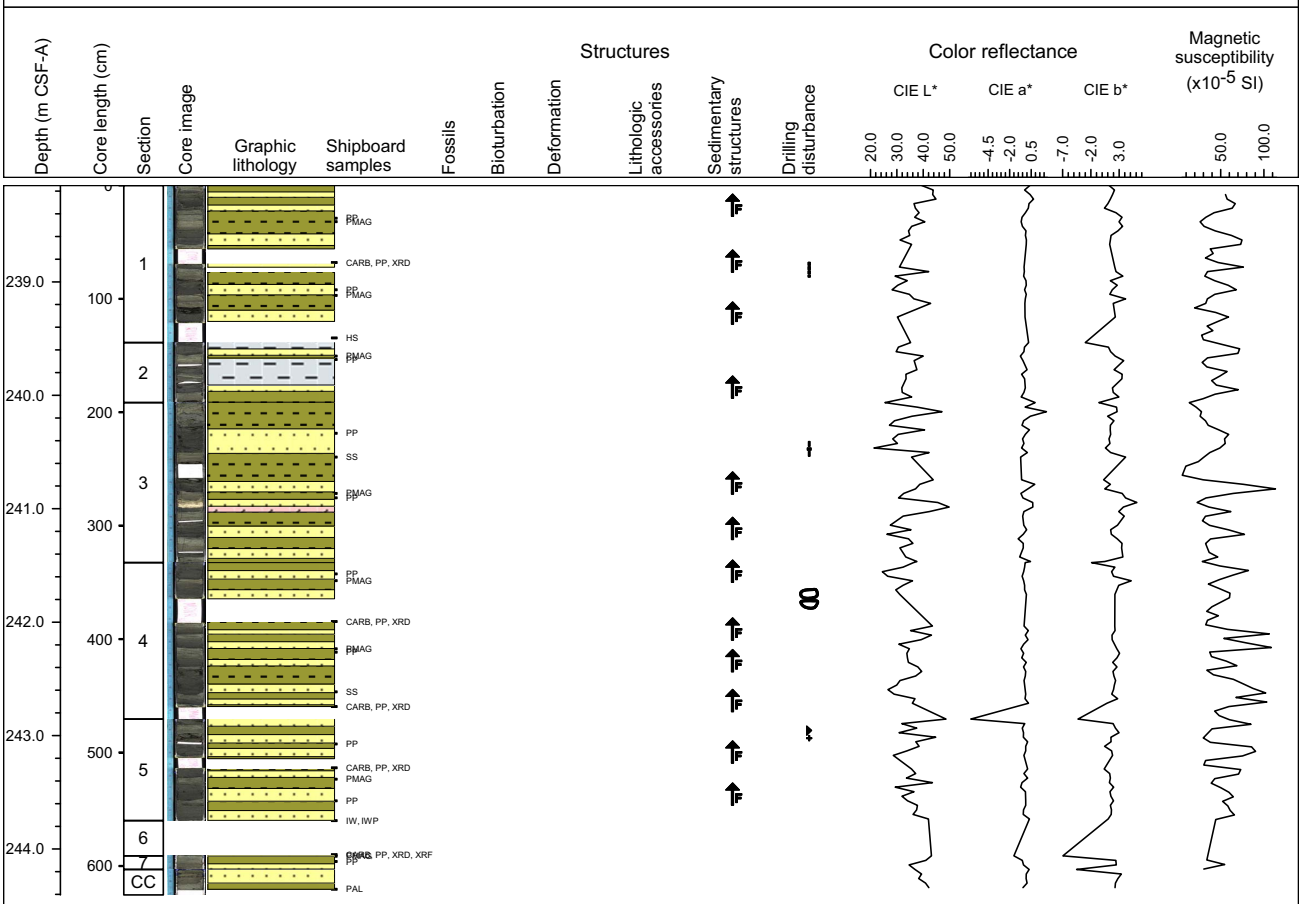


# Core Photo

Hole C0018A Core 29T, interval 238.15-244.405 m (core depth below seafloor)

Also this core comprises a succession of clay, volcanic ash and sand.

Turbidites in between hemipelagic sediments.

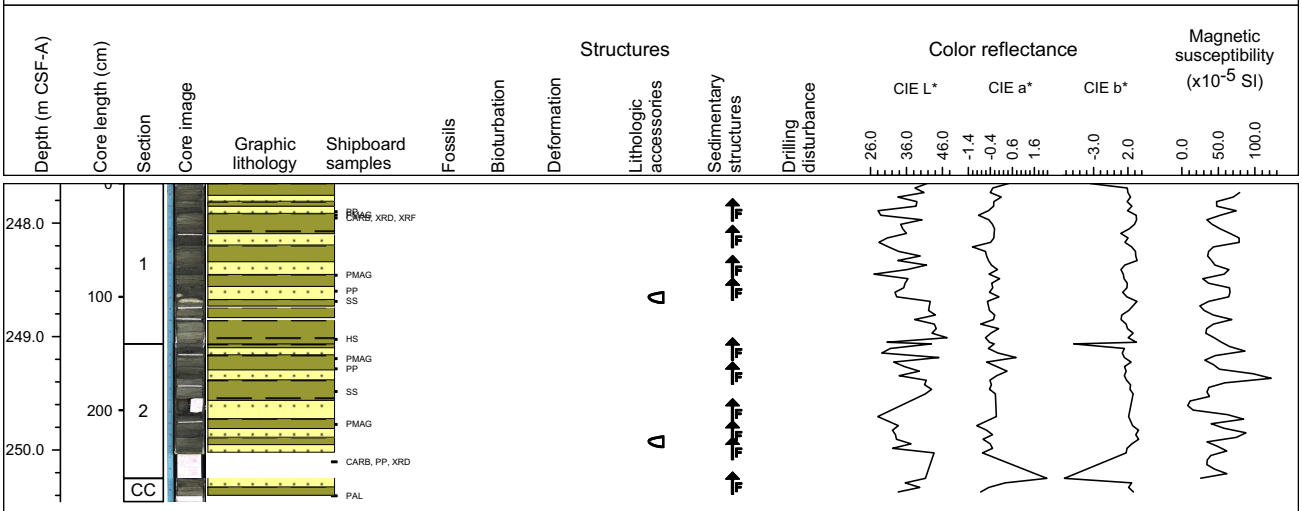


# Core Photo

Hole C0018A Core 30T, interval 247.65-250.455 m (core depth below seafloor)

A succession of clay, volcanic ash and sand.

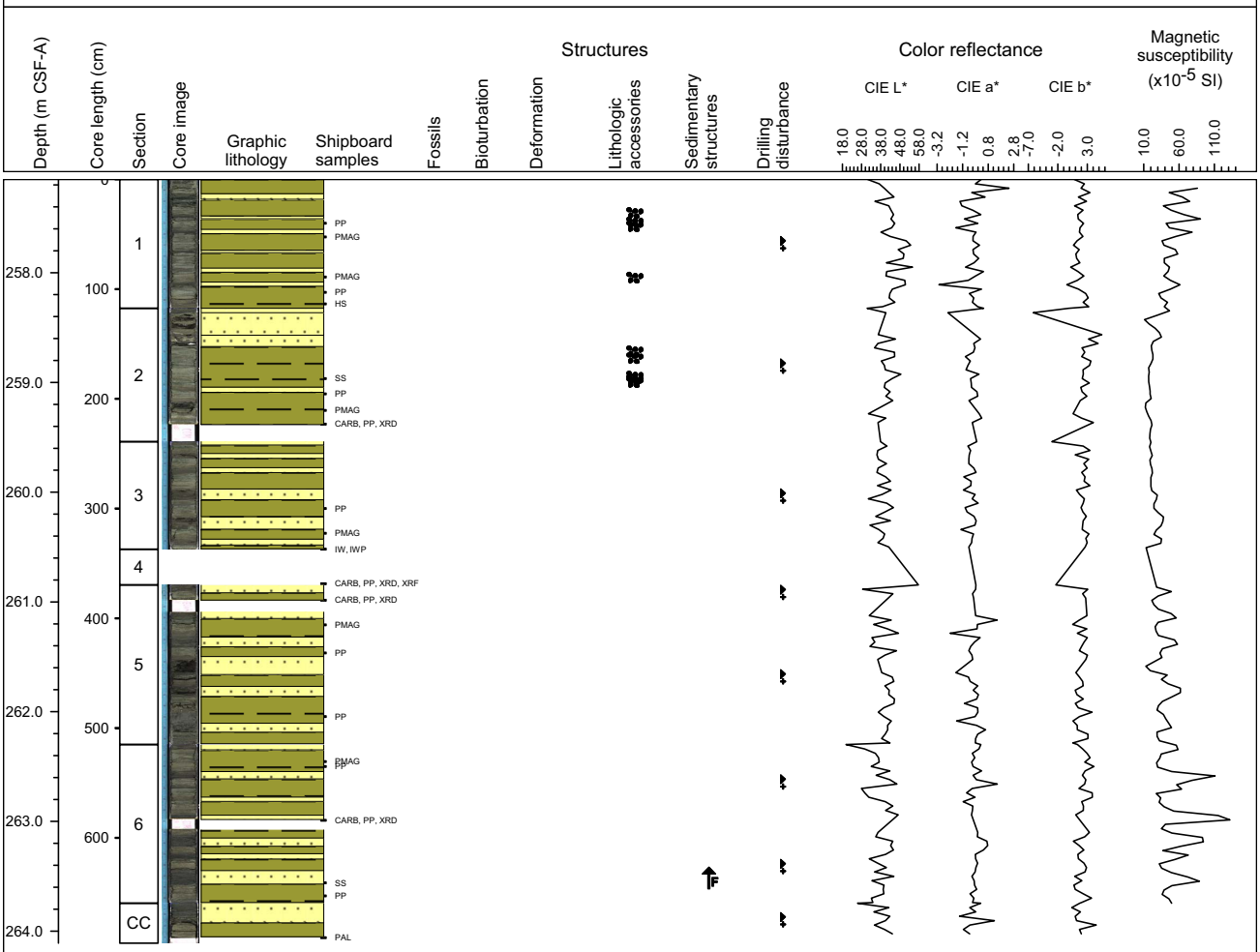
Volcaniclastic turbidites in a hemipelagic succession.



# Core Photo

Hole C0018A Core 31X, interval 257.15-264.11 m (core depth below seafloor)

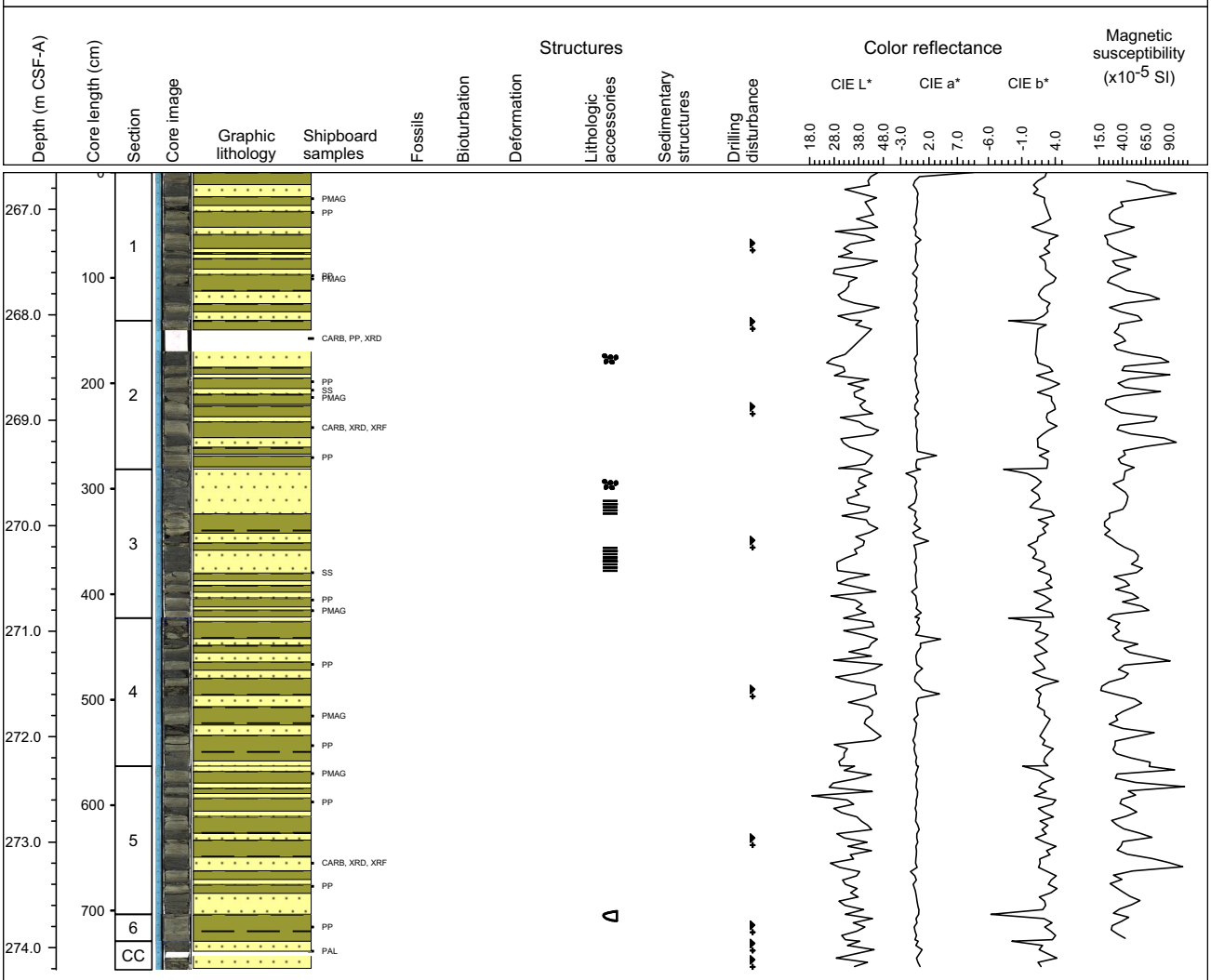
Clastic sand in a hemipelagic clay succession. Much of the sediments is moderately - heavily disturbed by the coring process.



# Core Photo

Hole C0018A Core 32X, interval 266.65-274.21 m (core depth below seafloor)

Layers of clastic sand in a hemipelagic clay succession. The section is moderately - heavily disturbed during coring. No primary structures preserved.



# Core Photo

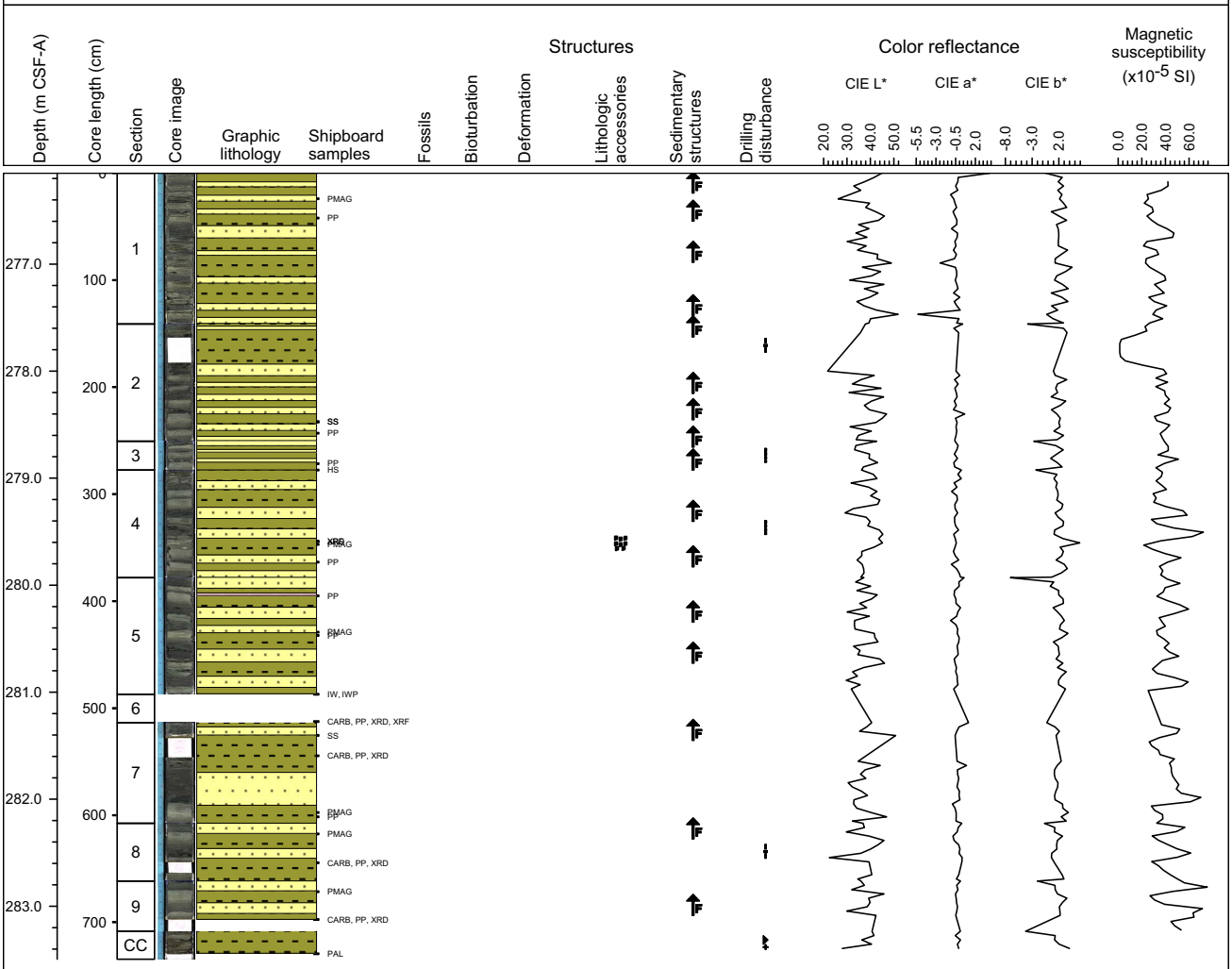
Hole C0018A Core 33X, interval 276.15-283.495 m (core depth below seafloor)

Alternating clastic sands and silty clays. Turbidite deposits.

Sands are 10GY 3/1 in the Munsell colour chart.

Silty clays are 10GY 4/1 in the Munsell colour chart.

Fining upward beds.



# Core Photo

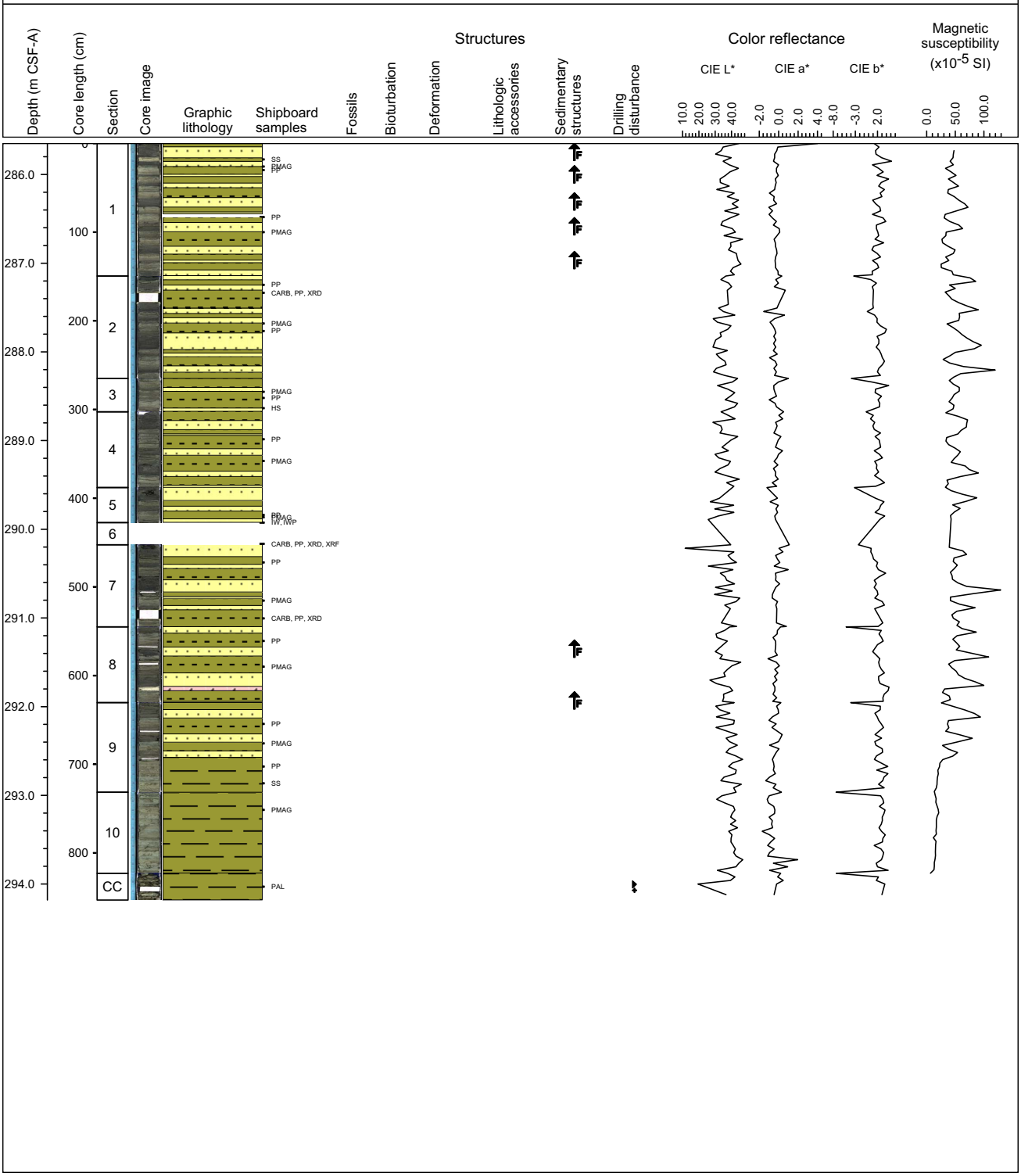
Hole C0018A Core 34X, interval 285.65-294.18 m (core depth below seafloor)

Alternating clastic sands and silty clays. Turbidite deposits.

Sands are 10GY 3/1 in the Munsell colour chart.

Silty clays are 10GY 4/1 in the Munsell colour chart.

Fining upward beds.



# Core Photo

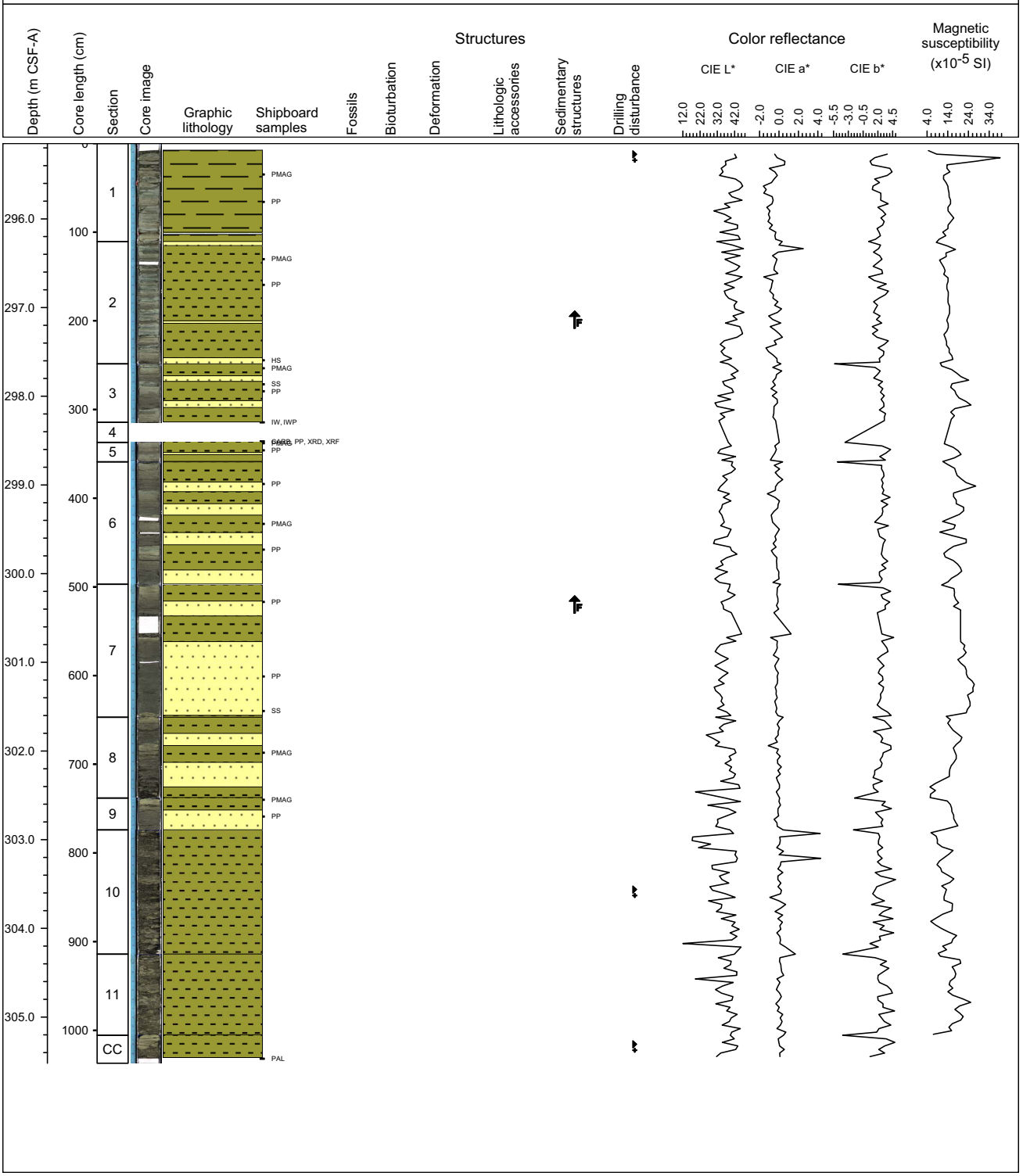
Hole C0018A Core 35X, interval 295.15-305.52 m (core depth below seafloor)

Alternating clastic sands and silty clays. Turbidite deposits.

Sands are 10GY 3/1 in the Munsell colour chart.

Silty clays are 10GY 4/1 in the Munsell colour chart.

Fining upward beds.



# Core Photo

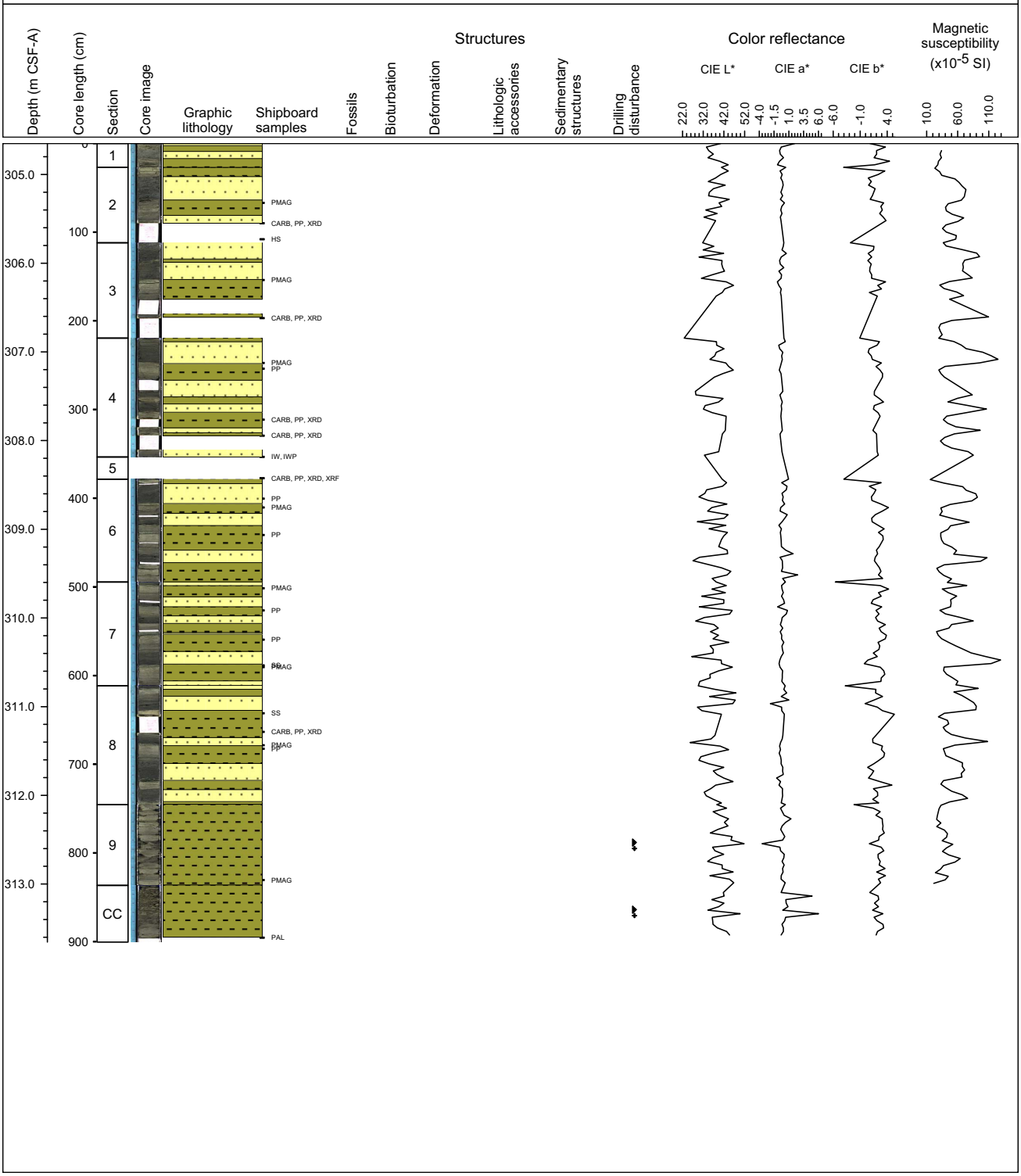
Hole C0018A Core 36X, interval 304.65-313.655 m (core depth below seafloor)

Alternating clastic sands and silty clays. Turbidite deposits.

Sands are 10GY 3/1 in the Munsell colour chart.

Silty clays are 10GY 4/1 in the Munsell colour chart.

Fining upward beds.



Exp: 333
Site: CC0018A

[Legend] D: dominant (>50%), A: abundant (>20-50%), C: common (>5-20%), P: present (>1-5%), R: rare (>0.1-1%), T: trace (<0.1%)

| Hole-Core-Sec | Int. (cm) | Depth [m CSF-A] | Lithology | Texture | | | Siliclastic Grain | | | | | | | | | Lithic Grains or Ash | | | | | Pelagic Grains | | | | | | Other | | Coments | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Sand | Silt | Clay | Quartz | Feldspar | Mica Group | Opaque Min. | Glauconite | Clay Min. | Zeolite | Heavy Min. | Calcite/Carb. Min. | Sed. Lithic | Ign. Lithic | Meta. Lithic | Volcanic Lithic | Vol. Glass | Nannofossils | Foraminifers | Diatoms | Radiolarians | Silicoflagellates | Sponge spicules | Clay Mins. | Zeolithe | [Legend] Ap: Apatite, Bt: Biotite, Chl: Chlorite, Cpx: Clinopyroxene, Cum: Cumingtonite, Fel: Feldspar, Hbl: Hornblende, Ogn: Organic materials, Opx: Orthopyroxene, Pyr: Pyrite, Zr: Zircon | |
| C0018A-1H-1 | 36.0 | 0.360 | Silty clay | 0 | 40 | 60 | R | | | | | A | | R | | | | | | P | A | P | C | R | P | C | | | | |
| C0018A-1H-3 | 36.0 | 1.375 | Silty clay | 0 | 30 | 70 | R | R | | | | A | | R | | | | | | P | A | R | C | R | P | C | | | Ogn | |
| C0018A-1H-3 | 115.0 | 2.170 | Silty clay | 0 | 30 | 70 | R | R | | | | A | | R | | | | | | C | A | R | C | R | P | C | | | | |
| C0018A-1H-4 | 66.0 | 3.085 | Silty clay | 5 | 35 | 60 | T | | | | | A | | P | | | | | | P | A | P | C | R | R | C | | | fish materials? | MTD Interval 1 |
| C0018A-1H-4 | 88.0 | 3.305 | Silty clay | 5 | 35 | 60 | R | | | | | A | | R | | | | | | P | C | P | C | P | R | C | | | | |
| C0018A-1H-4 | 135.0 | 3.775 | Sandy silt | 5 | 40 | 55 | R | T | | | | A | | R | | | | | | C | C | C | P | R | | P | | | Ogn | |
| C0018A-1H-5 | 30.0 | 4.135 | Silty clay | 1 | 30 | 69 | R | | | | | A | | R | | | | | | P | A | P | C | R | T | C | | | | |
| C0018A-1H-7 | 112.0 | 5.855 | Silty clay | 1 | 20 | 79 | P | R | | | | A | | R | | | | | | P | A | R | C | T | T | C | | | | |
| C0018A-2H-1 | 90.0 | 7.550 | Silty clay | 0 | 20 | 80 | R | | | | | D | | R | | | | | | R | A | R | C | T | R | C | | | | |
| C0018A-2H-3 | 98.0 | 9.135 | Silty clay | 1 | 30 | 69 | P | R | R | | | A | | R | | | | | | R | C | T | C | R | T | P | | | colored vol. glasses | |
| C0018A-2H-4 | 68.0 | 10.245 | Silty clay with volcanic ash | 5 | 30 | 65 | P | R | R | | | A | | P | | | | | | P | A | P | C | T | T | C | | | | |
| C0018A-2H-5 | 38.0 | 11.345 | Silty clay with volcanic ash | 1 | 20 | 79 | R | | R | | | D | | T | | | | | | P | A | T | C | R | T | C | | | | |
| C0018A-2H-7 | 87.5 | 12.605 | Silty clay | 3 | 20 | 77 | P | | R | | | A | | R | | | | | | P | A | R | C | T | | P | | | colored vol. glasses | |
| C0018A-2H-8 | 117.0 | 14.310 | Silty clay | 2 | 20 | 78 | P | R | | | | A | | R | | | | | | R | A | R | P | | T | P | | | | |
| C0018A-2H-9 | 35.0 | 14.900 | Silty clay | 10 | 50 | 40 | P | R | | | | C | | T | | | | | | P | A | R | C | | T | P | | | | |
| C0018A-2H-11 | 108.0 | 16.355 | Silty clay | 2 | 30 | 68 | P | R | | | | C | | T | | | | | R | C | A | | C | R | T | P | | | | |
| C0018A-3H-1 | 38.0 | 16.530 | Silty clay | 1 | 10 | 89 | R | R | | | | C | | R | | | | | | R | A | R | C | | | P | | | | |
| C0018A-3H-2 | 89.0 | 18.450 | Clay | 1 | 3 | 96 | P | T | | | | A | | T | | | | | | R | A | | C | | T | T | | | | |
| C0018A-3H-2 | 133.0 | 18.890 | Clay | 1 | 3 | 96 | R | T | | R | | A | | T | | | | | | T | A | T | P | | T | T | | | Pyr, Blue minerals | |
| C0018A-3H-4 | 33.0 | 20.335 | Silty clay | 7 | 25 | 68 | T | | T | | | C | | T | | | | | | T | A | | C | P | P | P | | | | |
| C0018A-3H-6 | 57.0 | 21.806 | Silty clay | 1 | 30 | 69 | P | | | R | | C | | T | | | | | | C | A | T | C | T | | P | | | Pyr | |
| C0018A-3H-7 | 102.0 | 23.696 | Silty clay | 0 | 20 | 80 | R | R | | | | C | | T | | | | | | T | A | T | P | | T | P | | | | |
| C0018A-3H-8 | 108.0 | 25.166 | Volcanic ash | 1 | 50 | 49 | R | | | | | P | | | | | | | | A | C | R | P | | | R | | | | |
| C0018A-3H-9 | 44.0 | 25.931 | Silty clay | 1 | 10 | 89 | P | | T | | | C | | | | | | | | T | A | R | C | | | T | | | Brown colored vol. glasses | |
| C0018A-4H-1 | 124.0 | 26.890 | Silty clay | 0 | 10 | 90 | R | | | | | A | | | | | | | | | A | R | P | | | P | | | | |
| C0018A-4H-2 | 86.0 | 28.010 | Silty clay | 2 | 5 | 93 | P | R | | R | | C | | T | | | | | | | A | R | P | | T | R | | | | |
| C0018A-4H-3 | 77.0 | 29.420 | Volcanic ash | 60 | 25 | 15 | T | R | | R | | T | | T | | | | | | D | C | | R | | | | | | Brown colored vol. glasses | |
| C0018A-4H-5 | 105.0 | 30.825 | Silty clay | 1 | 10 | 89 | P | R | | | | A | | T | | | | | | T | A | | C | | T | P | | | | |
| C0018A-4H-6 | 97.0 | 32.250 | Silty clay | 1 | 15 | 84 | P | R | | | | A | | T | | | | | | T | A | T | P | T | | T | | | | |
| C0018A-4H-7 | 105.0 | 33.820 | Silty clay | 0 | 10 | 90 | R | R | | P | | A | | | | | | | | | A | | C | | | P | | | | |
| C0018A-4H-8 | 38.0 | 34.650 | Silty clay with volcanic ash | 5 | 20 | 75 | R | R | | R | | A | | R | | | | | | C | A | P | P | R | R | P | | | | |
| C0018A-4H-cc | 16.0 | 35.455 | Silty clay | 1 | 10 | 89 | R | R | T | T | | A | | T | | | | | | R | A | R | C | T | T | P | | | | |
| C0018A-5H-1 | 100.0 | 36.150 | Silty clay | 0 | 10 | 90 | R | R | T | T | | A | | T | | | | | | R | D | T | C | T | T | R | | | | |
| C0018A-5H-2 | 33.5 | 36.900 | Silty clay with volcanic ash | 5 | 20 | 75 | R | T | T | T | | A | | | | | | | | C | A | C | C | | T | R | | | | |
| C0018A-5H-3 | 78.5 | 38.840 | Silty clay | 0 | 5 | 95 | R | | T | T | | A | | T | | | | | | R | D | R | C | T | T | R | | | | |
| C0018A-5H-3 | 108.5 | 39.140 | Volcanic ash | 5 | 40 | 55 | R | R | | C | | A | | C | | | | | | C | A | R | C | | | C | | | | |
| C0018A-5H-5 | 29.5 | 39.710 | Volcanic ash | 10 | 20 | 70 | P | R | | R | | C | | | | | | | | P | A | P | C | T | T | P | | | | |
| C0018A-5H-5 | 131.0 | 40.725 | Silty clay | 5 | 30 | 65 | P | T | | R | | A | | | | | | | | P | A | P | C | T | T | P | | | | MTD interval 2 |
| C0018A-5H-6 | 27.0 | 41.085 | Silty clay | 1 | 10 | 89 | R | T | | R | | A | | | | | | | | P | D | R | C | T | P | C | | | | |
| C0018A-5H-6 | 82.0 | 41.635 | Volcanic ash (Pumice?) | 40 | 50 | 10 | T | T | | | | | | | | | | | | D | C | T | T | | | T | | | | |
| C0018A-5H-7 | 63.0 | 42.960 | Silty clay | 0 | 30 | 70 | R | T | T | A | | A | | T | | | | | | R | A | T | P | | | R | | | | |
| C0018A-5H-8 | 111.0 | 44.870 | Silty clay | 0 | 10 | 90 | R | R | | R | | A | | T | | | | | | R | D | T | C | T | T | P | | | | |
| C0018A-6H-1 | 54.0 | 45.190 | Silty clay | 0 | 10 | 90 | R | T | T | R | | A | | | | | | | | T | D | T | C | T | T | P | | | | |
| C0018A-6H-2 | 60.0 | 46.655 | Silty clay | 0 | 5 | 90 | P | T | T | R | | A | | | | | | | | P | D | T | R | T | T | T | | | | |
| C0018A-6H-3 | 23.0 | 47.695 | Volcanic ash | 50 | 40 | 10 | T | T | T | | | | | T | | | | | | D | C | T | T | | | | | | | |
| C0018A-6H-3 | 33.0 | 47.785 | Volcanic ash | 20 | 70 | 10 | R | R | T | A | | | | T | | | | | | D | C | | | | | | | | | |
| C0018A-6H-5 | 60.0 | 49.470 | Silty clay | 0 | 15 | 85 | P | R | R | R | | A | | T | | | | | | P | D | T | C | T | | P | | | | |
| C0018A-6H-6 | 73.0 | 51.005 | Silty clay | 0 | 10 | 80 | R | | T | R | | A | | T | | | | | | R | D | R | P | T | T | C | | | | |
| C0018A-6H-8 | 76.0 | 53.865 | Silty clay | 0 | 10 | 90 | P | | | | | A | | T | | | | | | T | D | T | C | T | | P | | | | |
| C0018A-6H-9 | 17.0 | 54.280 | Sand | 40 | 50 | 10 | T | T | T | T | | | | T | | | | | | D | | | | | | | | | volcanic ash | |
| C0018A-7H-1 | 131.0 | 55.460 | Clay | 0 | 10 | 90 | R | T | T | | | A | | | | | | | | T | D | R | C | | | P | | | | |
| C0018A-7H-5 | 57.0 | 58.750 | Silty clay | 0 | 20 | 80 | R | T | T | T | | A | | | | | | | | R | D | T | R | T | T | R | | | | MTD interval 3 |
| C0018A-7H-5 | 67.0 | 58.850 | Silty clay | 0 | 5 | 95 | R | T | T | | | C | | T | | | | | | T | D | R | C | | T | P | | | | |
| C0018A-7H-7 | 100.0 | 60.480 | clay | 0 | 5 | 95 | R | | R | | | C | | T | | | | | | | D | T | P | | T | P | | | Pyr in Chl | |
| C0018A-7H-10 | 14.0 | 62.740 | clay | 1 | 10 | 89 | C | | T | | | C | | T | | | | | | | A | R | P | | | P | | | | |
| C0018A-8H-3 | 86.0 | 66.230 | Silty clay | 0 | 10 | 90 | R | | | | | C | | | | | | | | T | D | R | P | | T | P | | | clear quartz, Cum | |

| Hole-Core-Sec | Int. (cm) | Depth [m CSF-A] | Lithology | Texture | | | Siliclastic Grain | | | | | | | | | Lithic Grains or Ash | | | | | Pelagic Grains | | | | | | Other | | Coments | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Sand | Silt | Clay | Quartz | Feldspar | Mica Group | Opaque Min. | Glauconite | Clay Min. | Zeolite | Heavy Min. | Calcite/Carb. Min. | Sed. Lithic | Ign. Lithic | Meta. Lithic | Volcanic Lithic | Vol. Glass | Nannofossils | Foraminifers | Diatoms | Radiolarians | Silicoflagellates | Sponge spicules | Clay Mins. | Zeolithe | [Legend] Ap: Apatite, Bt: Biotite, Chl: Chlorite, Cpx: Clinopyroxene, Cum: Cumingtonite, Fel: Feldspar, Hbl: Hornblende, Ogn: Organic materials, Opx: Orthopyroxene, Pyr: Pyrite, Zr: Zircon | |
| C0018A-8H-4 | 20.0 | 66.725 | silty clay | 0 | 5 | 95 | P | | | | | A | | T | | | | | | R | D | T | C | | T | P | | | Cpx, Opx | MTD interval 4 |
| C0018A-8H-4 | 70.0 | 67.225 | Silty clay (base of MTD) | 60 | 25 | 15 | C | P | | R | | T | | R | | | | | P | D | P | | R | | | R | | | | |
| C0018A-8H-10 | 70.0 | 72.975 | Silty clay | 0 | 20 | 80 | C | P | | R | | P | | P | | | | | | T | A | T | P | | T | R | | | | |
| C0018A-9H-3 | 20.0 | 75.885 | Silty clay | 0 | 2 | 98 | R | | | T | | P | | T | | | | | T | | D | T | T | | | T | | | Bt, Pyr | |
| C0018A-9H-3 | 41.0 | 76.095 | Silty clay with mud clast | 20 | 40 | 20 | C | P | T | R | | R | | P | | | | | | R | A | | P | | T | R | | | | MTD interval 5 |
| C0018A-9H-4 | 119.0 | 78.285 | Silty clay | 0 | 10 | 90 | C | R | | P | | P | | R | | | | | | | A | T | R | | | P | | | | |
| C0018A-9H-6 | 65.0 | 79.880 | Silty clay | 2 | 5 | 93 | T | | | T | | P | | T | | | | | | | A | T | P | | T | P | | | | |
| C0018A-10H-2 | 128.0 | 81.955 | Silty clay | 5 | 70 | 25 | | R | | R | | T | | | | | | | T | D | C | | R | | | R | | | including volcaniclastic sand | |
| C0018A-10H-5 | 23.0 | 84.000 | Volcanic ash | 10 | 80 | 10 | T | T | | T | | T | | T | | | | | | D | C | | T | | | R | | | | |
| C0018A-10H-7 | 138.0 | 87.950 | Volcanic ash? | 20 | 40 | 40 | P | R | | R | | T | | P | | | | | | D | T | | | | | | | | black layer above vol.ash layer | |
| C0018A-10H-7 | 139.5 | 87.965 | Volcanic ash | 2 | 60 | 38 | T | T | | | | | | | | | | | | D | | | | | | | | | | |
| C0018A-10H-7 | 144.0 | 88.005 | Volcanic ash | 3 | 7 | 90 | T | T | | T | | C | | T | | | | | | R | D | | C | | | P | | | | |
| C0018A-10H-8 | 130.0 | 89.325 | volcanic ash | 10 | 75 | 15 | R | T | | T | | | | R | | | | | T | D | T | | T | | | | | | Ap | |
| C0018A-10H-9 | 100.0 | 90.445 | Silty clay | 0 | 40 | 60 | T | T | | T | | C | | R | | | | | | T | D | T | C | | T | P | | | | |
| C0018A-11H-1 | 7.0 | 89.720 | Volcaniclastic sand | 20 | 70 | 10 | P | R | P | P | | | | T | | | | | | D | C | T | T | T | T | T | | | | |
| C0018A-11H-1 | 56.0 | 90.210 | Silty clay | 0 | 10 | 90 | P | R | T | C | | A | | T | | | | | | | A | P | P | R | | P | | | | |
| C0018A-11H-2 | 41.0 | 90.705 | Silty clay | 10 | 15 | 75 | P | | | R | | A | | T | | | | | | C | A | T | P | T | T | P | | | | |
| C0018A-11H-3 | 51.0 | 92.165 | Silty clay | 1 | 15 | 84 | | | T | R | | A | | T | | | | | | P | A | T | C | T | | P | | | | |
| C0018A-11H-4 | 23.0 | 93.295 | Silty clay | 1 | 10 | 89 | R | | T | R | | A | | T | | | | | | P | D | T | C | T | | P | | | | |
| C0018A-11H-6 | 21.0 | 94.315 | Clay with volcanic ash | 1 | 40 | 49 | R | T | T | R | | A | | T | | | | | | A | A | T | P | R | | P | | | | |
| C0018A-11H-8 | 13.0 | 97.050 | Clay | 1 | 10 | 89 | R | | T | R | | A | | T | | | | | | P | D | | P | T | T | P | | | | |
| C0018A-11H-11 | 23.0 | 99.960 | Volcanic ash | 5 | 40 | 55 | R | | T | R | | A | | T | | | | | | A | A | T | C | R | | P | | | | |
| C0018A-12H-2 | 102.0 | 100.850 | Clay | 0 | 30 | 70 | R | | T | R | | A | | R | | | | | | C | A | | R | T | | R | | | | |
| C0018A-12H-3 | 94.0 | 102.005 | Clay | 0 | 10 | 90 | R | | T | T | | A | | R | T | | | | | P | D | T | R | T | | R | | | | |
| C0018A-12H-4 | 7.0 | 102.550 | Silty clay | 1 | 20 | 79 | R | | T | T | | A | | T | | | | | | P | A | T | P | T | | P | | | | |
| C0018A-12H-6 | 45.0 | 104.355 | Silty clay | 0 | 10 | 90 | P | | T | T | | A | | R | | | | | | P | D | | P | R | | P | | | | |
| C0018A-12H-8 | 57.0 | 107.305 | Silty clay | 0 | 10 | 90 | R | | | R | | A | | T | | | | | | P | A | T | C | R | | P | | | | |
| C0018A-13H-3 | 7.0 | 109.335 | Silty clay | 0 | 15 | 85 | P | R | R | T | | C | | T | | | | | T | R | A | T | C | | T | P | | | Chl | |
| C0018A-13H-5 | 92.0 | 113.000 | Silty clay | 0 | 5 | 95 | P | R | R | T | | A | | R | | | | | T | T | D | R | P | | T | R | | | Chl | |
| C0018A-13H-10 | 14.0 | 115.960 | Clay | 0 | 5 | 95 | R | | R | T | | A | | T | | | | | | T | D | T | R | T | | T | | | Chl | |
| C0018A-13H-10 | 20.0 | 116.020 | Clay | 2 | 15 | 83 | R | T | T | T | | A | | T | | | T | | | T | C | | P | T | | R | | | Chl, Pyr into Chl | |
| C0018A-13H-13 | 118.5 | 119.135 | Silty clay | 1 | 5 | 94 | T | | T | R | | C | | T | | | | | | T | A | | R | T | T | T | | | Bt, Pyr | |
| C0018A-14H-3 | 95.0 | 120.680 | Silty clay | 0 | 5 | 95 | R | T | | T | | D | | T | | | | | | T | C | T | R | T | | R | | | | |
| C0018A-14H-7 | 33.0 | 124.425 | Silty clay | 0 | 5 | 95 | R | | T | T | | D | | T | | | | | T | | C | T | P | T | T | P | | | Chl, wood fragments? | |
| C0018A-14H-7 | 36.0 | 124.455 | Silty clay | 3 | 5 | 92 | P | R | T | T | | A | | T | | | | | | | A | T | R | T | T | P | | | Chl, wood fragments? | |
| C0018A-14H-7 | 45.5 | 124.555 | Sandy Silt | 80 | 15 | 5 | C | P | T | T | | T | | R | | | | R | P | P | R | A | | | | | | | volcaniclastic or siliciclastic sand | |
| C0018A-14H-8 | 77.0 | 126.280 | Sandy Silt | 40 | 50 | 10 | P | R | T | T | | | | R | | | | | | D | T | T | | | | | | | Obsidian/ Ss-Az tephra? | |
| C0018A-14H-cc | 8.0 | 126.520 | Sand | 80 | 15 | 5 | P | R | T | T | | R | | P | | | | | | D | | | | | | | | | Obsidian/ Ss-Az tephra? | |
| C0018A-15H-2 | 18.0 | 126.935 | Silty clay | 0 | 7 | 93 | P | T | T | T | | A | | | | | | | | | A | R | R | T | T | P | | | Chl, wood fragments? | MTD interval 6 |
| C0018A-15H-2 | 28.0 | 127.035 | Volcaniclastic sand | 50 | 40 | 10 | C | R | | T | | R | | | | | | | P | R | T | R | | | | | | | Pyr | |
| C0018A-15H-2 | 33.0 | 127.085 | Hemipelagic mud | 0 | 15 | 85 | | T | | T | | C | | | | | | | | | A | T | C | T | | P | | | | |
| C0018A-15H-2 | 80.0 | 127.555 | Clay | 0 | 15 | 85 | | T | T | T | | A | | T | | | | | | R | A | T | P | T | | R | | | Chl | |
| C0018A-15H-2 | 87.0 | 127.625 | Volcaniclastic sand | 50 | 40 | 10 | T | | | T | | T | | | | | | | | R | R | D | R | | | | | | | |
| C0018A-15H-2 | 103.0 | 127.785 | Debrite | 0 | 5 | 95 | T | | T | T | | A | | | | | | | | T | A | P | P | T | T | R | | | Broken form, Chl | |
| C0018A-15H-3 | 16.0 | 128.100 | Debrite | 0 | 10 | 90 | T | | | T | | A | | T | | | | | | T | A | R | | T | T | T | | | | |
| C0018A-15H-3 | 64.0 | 128.580 | Debrite | 0 | 25 | 75 | C | | T | | | C | | | | | | | | | A | R | R | | | R | | | Chrolite, Zircon | |
| C0018A-15H-3 | 130.0 | 129.240 | Clay | 2 | 10 | 88 | P | R | | T | | C | | | | | | | | T | A | P | R | | | R | | | | |
| C0018A-15H-4 | 65.0 | 130.010 | Silty clay | 0 | 15 | 85 | | | R | T | | C | | | | | | | | R | A | T | T | T | | R | | | Chl, Bt | |
| C0018A-15H-4 | 104.0 | 130.400 | Volcaniclastic sand | 80 | 20 | 0 | R | | | | | | | | | | | | | D | | | | T | | T | | | clear Quartz | |
| C0018A-15H-6 | 60.0 | 131.385 | Volcaniclastic sand | 40 | 20 | 40 | | | | | | C | | T | | | | | | A | C | | | T | | T | | | | |
| C0018A-15H-6 | 115.0 | 131.935 | Silty clay | 0 | 5 | 95 | P | | R | T | | D | | | | | | | | T | A | | T | T | | T | | | | |
| C0018A-15H-9 | 73.0 | 135.835 | Silty clay | 0 | 10 | 90 | T | T | | T | | C | | T | | | | | | T | D | | T | | | | | | | |
| C0018A-15H-9 | 83.0 | 135.935 | Silty clay | 0 | 10 | 90 | T | | R | T | | C | | | | | | | | T | D | T | | | | | | | Chl | |
| C0018A-16H-2 | 4.0 | 137.680 | Volcanic ash | 30 | 60 | 10 | T | | | | | R | | T | | | | | | D | R | T | | | | | | | | |
| C0018A-16H-2 | 110.0 | 138.740 | Silty clay (MTD) | 0 | 10 | 90 | P | | T | P | | C | | R | | | | | | C | D | T | P | T | | P | | | | |
| C0018A-16H-2 | 128.0 | 138.920 | Silty clay (convolute/ MTD) | 0 | 10 | 90 | P | R | T | C | | C | | | | | | | | P | D | T | P | T | | R | | | | |
| C0018A-16H-4 | 47.0 | 140.720 | Silty clay (convolute/ MTD) | 5 | 20 | 75 | C | T | T | C | | A | | T | | | | | | C | A | T | | | | | | | | |
| C0018A-16H-4 | 108.0 | 141.330 | Silty clay (convolute/ MTD) | 10 | 40 | 50 | C | P | P | C | | A | | P | | | | | | C | A | | P | R | | R | | | Plant opal? | |
| C0018A-16H-4 | 100.0 | 143.520 | Hemipelagic mud | 0 | 30 | 70 | C | | T | C | | A | | | | | | | | T | A | T | A | R | | R | | | Zr | |

| Hole-Core-Sec | Int. (cm) | Depth [m CSF-A] | Lithology | Texture | | | Siliclastic Grain | | | | | | | | | | Lithic Grains or Ash | | | | | Pelagic Grains | | | | | | Other | | Coments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Sand | Silt | Clay | Quartz | Feldspar | Mica Group | Opaque Min. | Glauconite | Clay Min. | Zeolite | Heavy Min. | Calcite/Carb. Min. | Sed. Lithic | Ign. Lithic | Meta. Lithic | Volcanic Lithic | Vol. Glass | Nannofossils | Foraminifers | Diatoms | Radiolarians | Silicoflagellates | Sponge spicules | Clay Mins. | Zeolithe | [Legend] Ap: Apatite, Bt: Biotite, Chl: Chlorite, Cpx: Clinopyroxene, Cum: Cumingtonite, Fel: Feldspar, Hbl: Hornblende, Ogn: Organic materials, Opx: Orthopyroxene, Pyr: Pyrite, Zr: Zircon |
| C0018A-17H-1 | 3.0 | 144.680 | Silty clay | 0 | 20 | 80 | C | T | C | P | | A | | R | | | | | | P | A | R | P | | | | | colored vol.glass |
| C0018A-17H-1 | 71.0 | 145.360 | Volcanic ash | 30 | 60 | 10 | C | P | | P | | P | | R | | | | | | D | | | | T | | | | Opx, Hbl, Ap/ (widespread tephra) |
| C0018A-17H-3 | 48.0 | 147.940 | Silty clay | 1 | 15 | 84 | C | | T | C | | A | | R | | | | | | P | A | T | R | R | | R | | | |
| C0018A-17H-7 | 56.0 | 151.790 | Clay with volcanic ash | 10 | 20 | 70 | P | | T | P | | A | | T | | | | | | C | A | R | R | R | | T | | | Cpx, Hbl |
| C0018A-17H-8 | 80.0 | 153.445 | Clay with volcanic ash | 15 | 40 | 45 | P | | T | P | | A | | T | | | | | | A | A | R | T | | | R | | | Chl |
| C0018A-18H-1 | 80.0 | 154.450 | Clay | 0 | 20 | 80 | R | | R | P | | A | | R | | | | | | C | A | T | T | T | | | | | Cpx, Hbl, oxgen-Hbl |
| C0018A-18H-6 | 23.0 | 159.605 | Clay | 0 | 30 | 70 | C | | R | C | | A | | R | | | | | | P | A | R | R | P | | P | | | Chl, Hbl, Opx |
| C0018A-19H-1 | 50.0 | 160.150 | Silty clay | 0 | 5 | 95 | R | | T | T | | A | | T | | | | | | T | A | T | R | T | | T | | | Pyr, Chl |
| C0018A-19H-2 | 68.0 | 161.705 | Silty clay | 1 | 10 | 89 | R | | T | R | | A | | T | | | | | | | A | | R | | T | T | | | Pyr (many) |
| C0018A-19H-4 | 66.0 | 163.990 | Clayey silt | 0 | 10 | 90 | A | | R | T | | C | | R | | | | | | T | C | T | T | T | | T | | | Opx |
| C0018A-20H-2 | 71.0 | 165.665 | Clay | 0 | 5 | 95 | T | | T | | | A | | | | | | | | T | A | T | R | T | T | T | | | Chl, Obsidian? |
| C0018A-20H-3 | 74.0 | 166.990 | Silty clay | 40 | 50 | 10 | C | P | | P | | R | | P | | | | | | | P | T | | | | | | | Pyr, resedimented volcaniclastics |
| C0018A-20H-6 | 74.0 | 169.840 | Silty clay | 0 | 5 | 95 | P | | P | R | | A | | P | | | | | | | C | T | R | | | T | | | Organic matters |
| C0018A-20H-8 | 50.0 | 172.515 | Silty clay | 0 | 3 | 97 | T | | T | T | | A | | T | | | | | | T | A | T | T | R | | R | | | Bt |
| C0018A-21H-1 | 80.0 | 174.950 | Sand | 60 | 25 | 15 | A | R | T | P | | R | | P | | | | | C | | R | | | | | | | | Cpx, Hbl |
| C0018A-21H-2 | 100.0 | 176.565 | Silty clay | 0 | 5 | 95 | P | | | T | | A | | | | | | | | T | A | T | T | | | P | | | Ogn |
| C0018A-21H-5 | 72.0 | 177.930 | Silty clay | 0 | 5 | 95 | R | | T | T | | A | | T | | | | | | T | A | T | R | | | T | | | Chl |
| C0018A-22H-2 | 70.0 | 179.610 | Silty clay | 0 | 7 | 93 | R | | T | T | | A | | | | | | | | T | A | T | T | T | | R | | | Chl |
| C0018A-22H-7 | 120.0 | 183.040 | Sand | 0 | 10 | 90 | P | | T | T | | C | | | | | | | | T | A | T | R | | | P | | | Chl, Hbl |
| C0018A-22H-7 | 134.0 | 183.180 | Hemipelagic mud | 0 | 3 | 97 | R | T | T | R | | C | | T | | | | | | T | D | T | T | T | | T | | | |
| C0018A-22H-9 | 27.0 | 184.080 | Sandy clay | 0 | 15 | 85 | P | | R | P | | C | | P | | | | | T | P | D | T | R | T | | R | | | Chl, Hbl, Pyr |
| C0018A-23H-1 | 61.0 | 188.560 | Sandy clay | 2 | 50 | 48 | P | T | P | P | | A | | R | | | | | P | C | A | R | C | T | | P | | | Hbl, Chl |
| C0018A-23H-2 | 15.0 | 188.985 | Sandy ash | 20 | 40 | 40 | C | R | R | C | | C | | P | | | | | | A | C | T | T | | | | | | Hbl, Zr, Opx, Pyr |
| C0018A-23H-3 | 49.0 | 190.275 | Volcanic ash | 20 | 65 | 15 | P | R | T | P | | C | | P | | | | | | D | P | | | | | | | | Hbl, Bt, Opx, Pyr/ Ss-Pnk tephra? |
| C0018A-23H-cc | 4.0 | 190.755 | Sandy ash | 40 | 40 | 20 | C | R | T | C | | P | | P | | | | | | D | P | T | | | | | | | Hbl, Opx, Bt |
| C0018A-24T-1 | 95.0 | 191.600 | Sandy ash | 6 | 20 | 74 | C | | T | R | | A | | T | | | | | | C | A | T | P | | | | | | Ap, Pyr, Hbl, Opx, Zircon, Ogn |
| C0018A-24T-4 | 52.0 | 194.265 | Sandy ash | 5 | 45 | 50 | C | | R | R | | A | | T | | | | | | C | A | T | R | T | | P | | | Chl, Bt, Hbl |
| C0018A-24T-5 | 100.0 | 196.145 | Sandy ash | 80 | 10 | 10 | A | C | | | | P | | P | | | | | | A | P | T | | | | | | | Hbl, Zircon |
| C0018A-25T-2 | 34.0 | 201.900 | Clay | 0 | 10 | 90 | C | P | T | R | | A | | T | | | | | | T | C | T | | | | P | | | Chl, Pyr, Ogn |
| C0018A-27T-4 | 24.0 | 222.550 | Silt | 60 | 20 | 20 | C | A | T | T | | A | | T | | | | | | T | P | T | | T | | | | | Ogn, Cpx, Opx (small), Chl, Zircon |
| C0018A-27T-7 | 5.0 | 224.965 | Volcanic ash | 15 | 50 | 35 | C | P | T | T | | R | | P | | | | | | D | | | | | | | | | Opx, |
| C0018A-27T-7 | 75.0 | 225.665 | Clay | 1 | 20 | 79 | C | | T | T | | D | | T | | | | | | | R | | | | | T | | | Ogn, Pyr in Chl, Ap |
| C0018A-27T-8 | 74.0 | 227.050 | Volcanic ash | 1 | 90 | 9 | T | | T | T | | T | | | | | | | | D | T | | T | | | | | | Bt |
| C0018A-28T-2 | 70.0 | 230.760 | Silty clay | 0 | 5 | 95 | P | R | R | T | | A | | | | | | | | T | A | T | R | | | T | | | Chl, Ap |
| C0018A-29T-3 | 48.0 | 240.545 | Silty clay | 0 | 10 | 90 | R | T | T | T | | A | | T | | | | | | R | C | T | T | | | T | | | Chl, Ogn, Bt |
| C0018A-29T-4 | 114.0 | 242.615 | Sand | 60 | 10 | 30 | C | C | | | | P | | | | | P | | R | | T | T | | | | | | | Ap, wethering Hbl |
| C0018A-30T-1 | 104.0 | 248.690 | Volcanic ash | 25 | 70 | 5 | P | R | T | R | | P | | R | | | | | | D | | | | | | | | | Hbl, Bt |
| C0018A-30T-2 | 42.0 | 249.485 | Silty clay | 5 | 30 | 65 | A | R | T | C | | A | | C | | | | | | R | R | T | | T | | | | | Chl, Bt, Ogn, Hbl |
| C0018A-31X-2 | 64.0 | 258.965 | Clay with volcanic ash | 0 | 40 | 60 | P | | | P | | D | | P | | | | | | A | C | T | T | T | | | | | Hbl |
| C0018A-31X-6 | 126.0 | 263.555 | Sand | 20 | 40 | 40 | A | P | P | C | | A | | P | | | | | | P | R | R | | | | | | | Hbl,Opx, Chl, Bt, Ap |
| C0018A-32X-2 | 66.0 | 268.715 | Sand | 60 | 30 | 10 | A | C | T | P | | C | | P | | | | | | P | R | T | T | | | | | | Opx, Zr, Hbl, Ap, Bt |
| C0018A-32X-3 | 98.0 | 270.445 | Hemipelagic mud | 0 | 30 | 70 | C | R | T | C | | A | | R | | | | | | P | A | | P | T | | | | | Hb, Bt |
| C0018A-33X-2 | 91.3 | 278.470 | Silty clay (light colored band) | 0 | 5 | 95 | P | R | P | | | A | | T | | | | | | | C | | | | | | | | Chl |
| C0018A-33X-2 | 91.6 | 278.490 | Silty clay (dark colored band) | 0 | 30 | 70 | A | T | P | T | | A | | R | | | | | | T | P | T | | | | | | | Chl, Bt, Pyr in Chl |
| C0018A-33X-7 | 12.0 | 281.405 | Volcanic ash | 30 | 70 | 0 | T | R | T | | | | | T | | | | | | D | | | | | | | | | Opx, Bt, clear Cpx, clear Fel |
| C0018A-34X-1 | 18.0 | 285.830 | Silty clay | 0 | 5 | 95 | T | R | T | T | | A | | R | | | | | | | C | | | | | | | | Ogn, Chl |
| C0018A-34X-9 | 91.0 | 292.855 | Silty clay | 0 | 15 | 85 | P | | T | | | A | | T | | | | | | T | C | T | R | T | | R | | | Bt |
| C0018A-35X-3 | 23.0 | 297.865 | Silty clay | 0 | 20 | 80 | C | P | P | R | | A | | R | | | | | | | P | | T | | | R | | | Chl, Ap? |
| C0018A-35X-7 | 143.0 | 301.550 | Sand | 70 | 20 | 10 | A | P | | T | | P | | P | | | | | | T | R | T | T | T | | | | | Hbl, Opx |
| C0018A-36X-7 | 94.0 | 310.540 | Silty clay | 0 | 15 | 85 | P | P | R | T | | A | | T | | | T | | | T | A | | T | | | T | | | Chl |
| C0018A-36X-8 | 31.0 | 311.075 | Volcanic ash | 1 | 70 | 29 | R | T | T | T | | C | | T | | | | | | D | P | | | | | | | | Ap, Bt, Hbl, Opx |