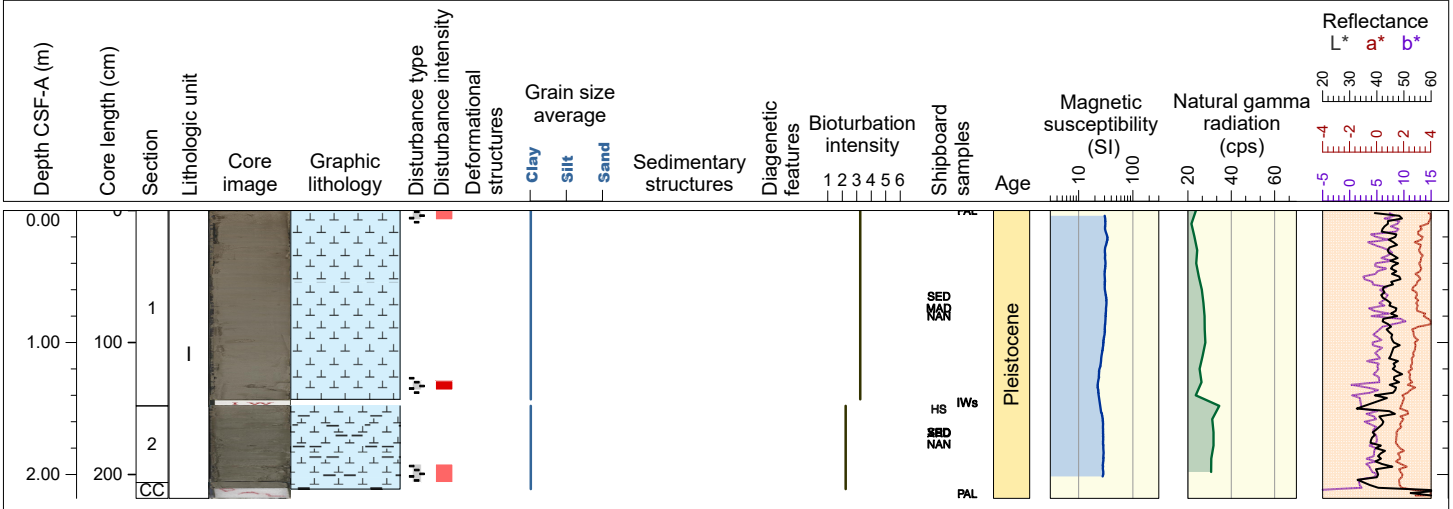
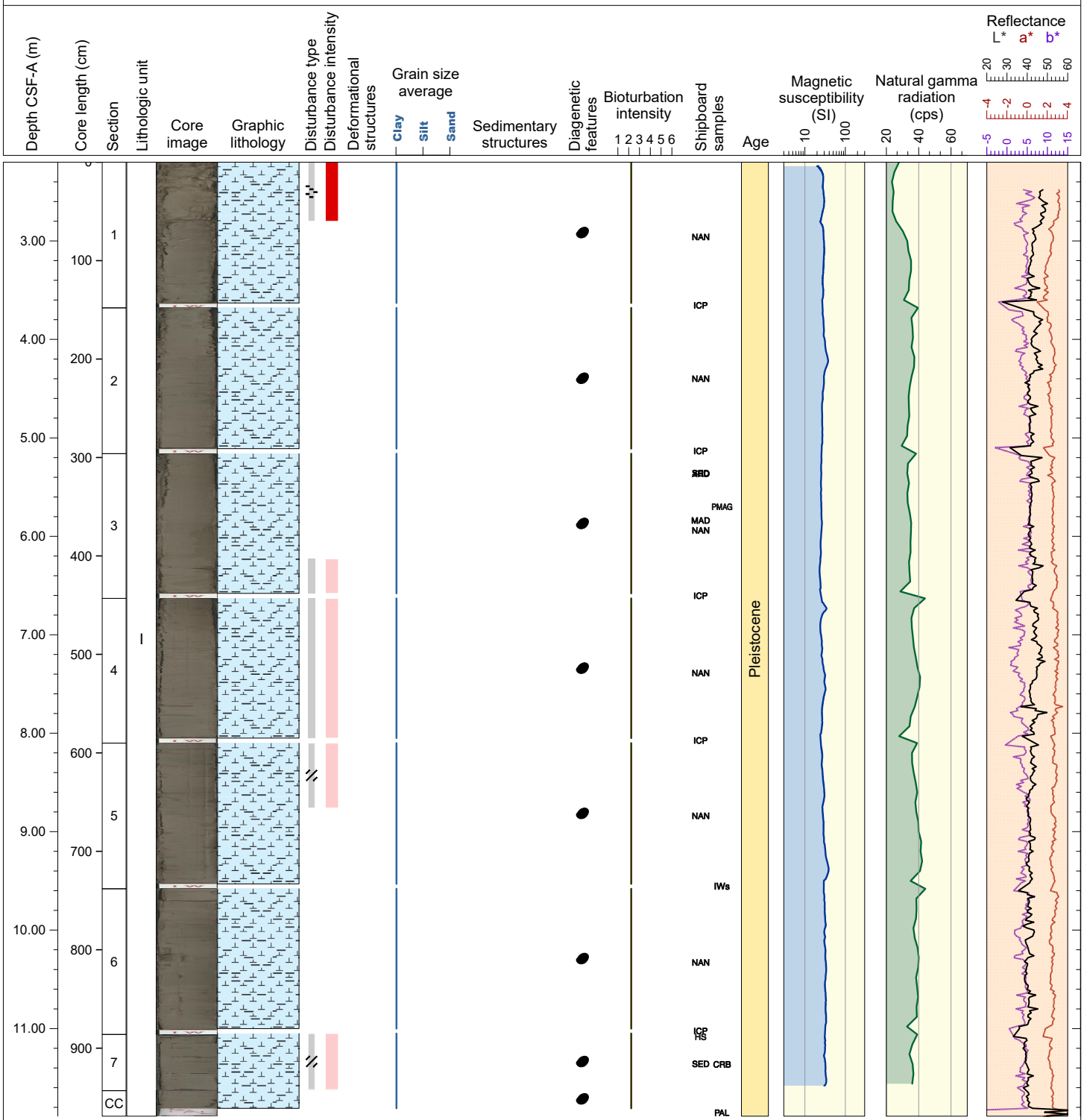
Hole 397-U1588A Core 1H, Interval 0.0-2.18 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY and CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Subtle color changes mark gradational contacts between lithologies. Bioturbation is slight to sparse. Intervals of slurry caused by drilling disturbance occur at 0-7cm and 129-136cm in Section 1, and 44-58cm in Section 2.



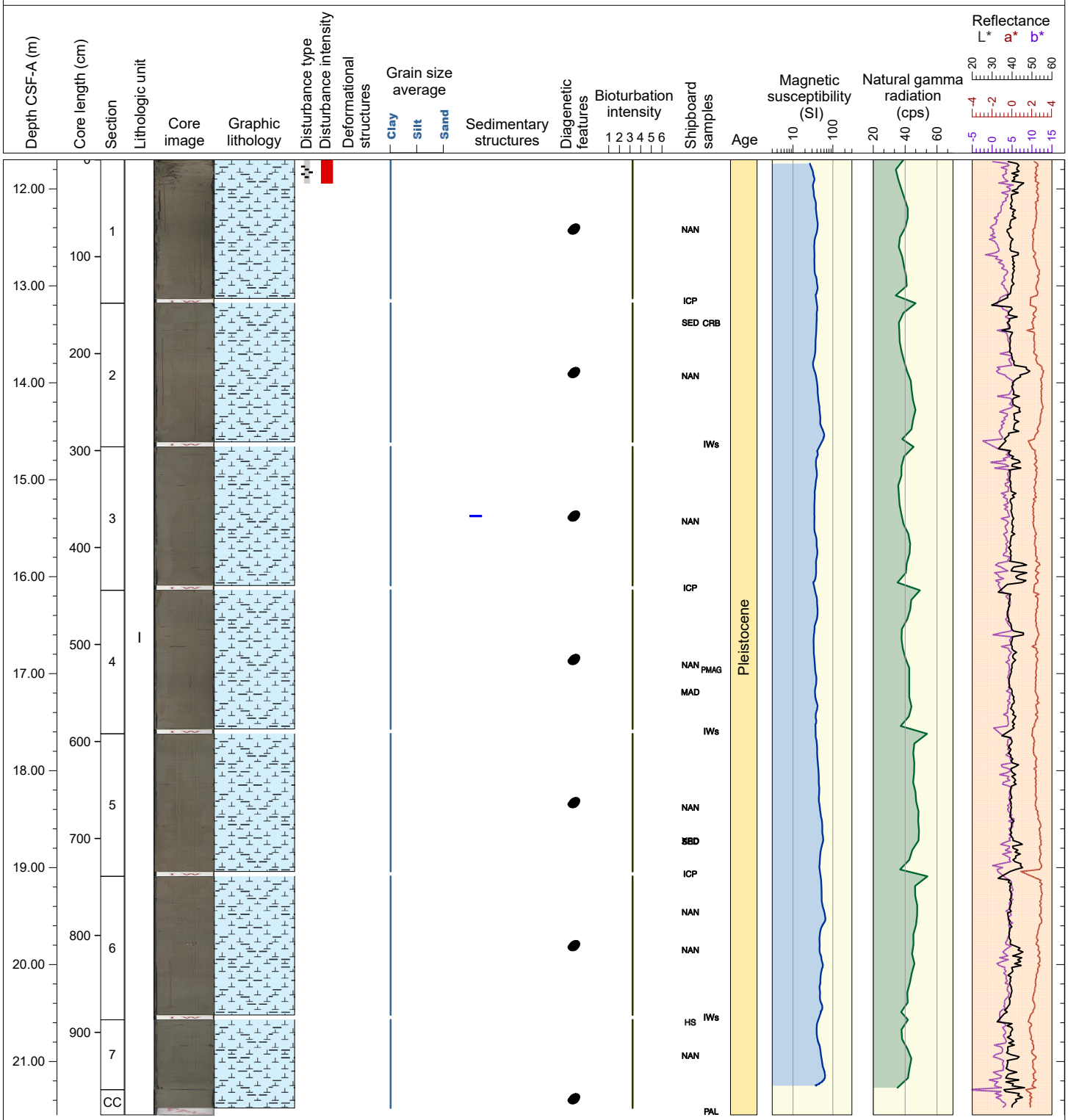
Hole 397-U1588A Core 2H, Interval 2.2-11.89 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Sparse dark patches occur throughout each section. Bioturbation is sparse. An interval of slurry caused by drilling disturbance occurs at 0-60cm in Section 1, and there is slight sediment flowage in Sections 3 and 4. Small cracks occur within Sections 5 and 7.



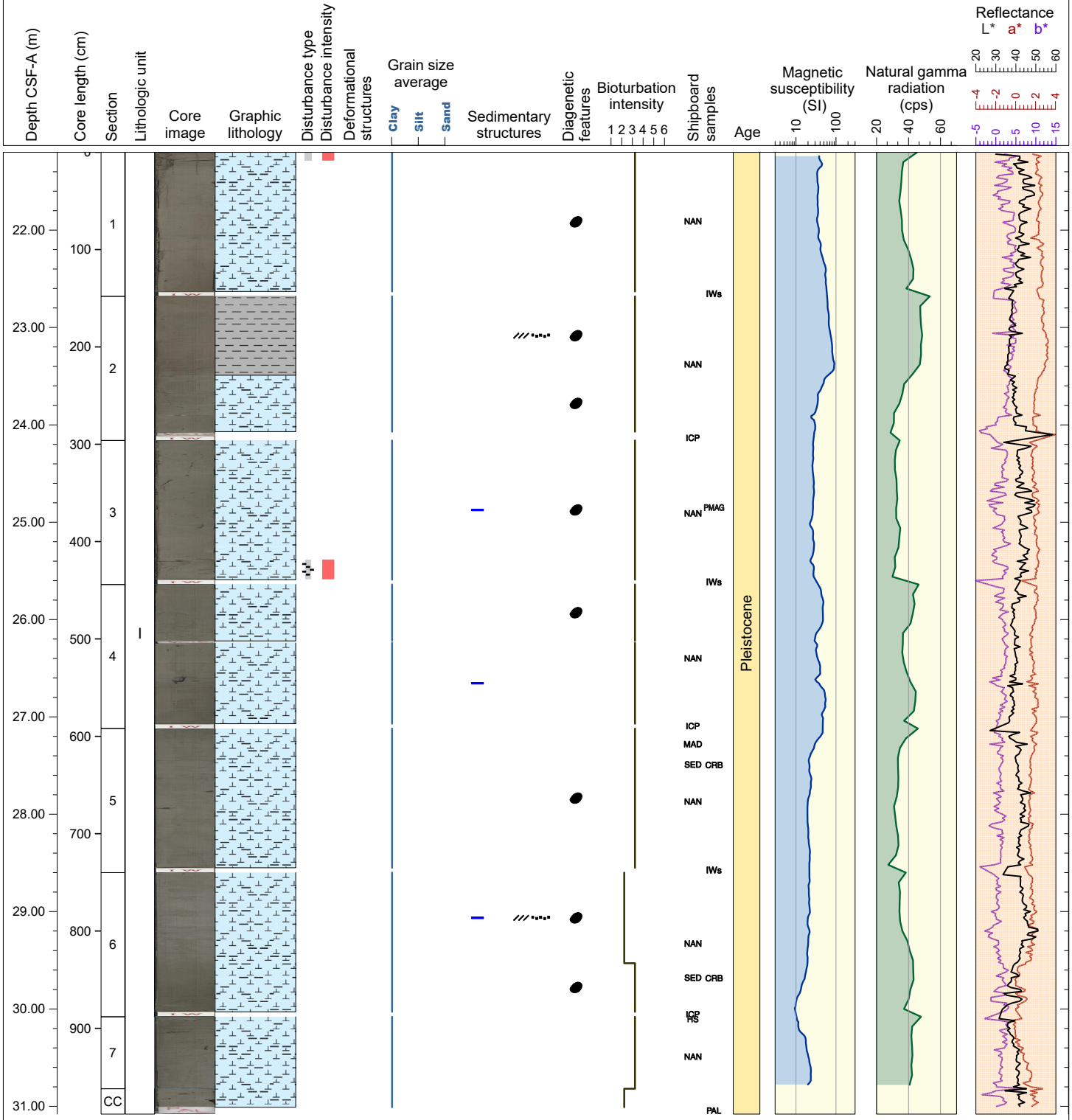
Hole 397-U1588A Core 3H, Interval 11.7-21.55 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Sparse dark patches occur throughout each section. Bioturbation is slight. An elongate (3cm) Turritella shell occurs at 36-37cm. Strongly disturbed sediment slurry occurs at 0-25cm in Section 1.



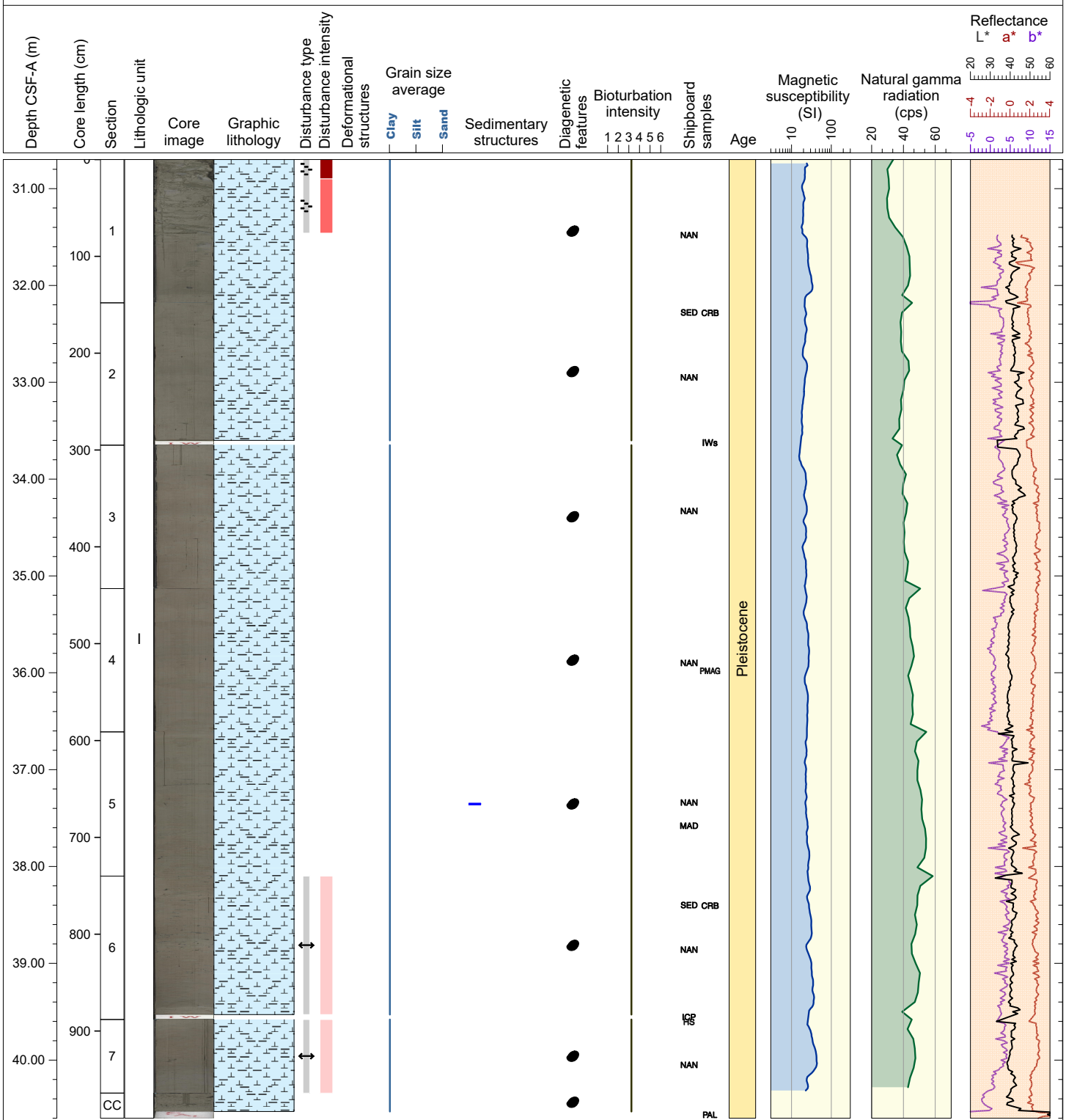
Hole 397-U1588A Core 4H, Interval 21.2-31.08 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE, and also contains CLAYEY NANNOFOSSIL OOZE and CLAY WITH NANNOFOSSIL AND CARBONATE. Contacts between lithologies are bioturbated, irregular and gradational. Bioturbation is slight throughout, and there is evidence of trace fossils Thalassinoides, Planolites, and Zoophycos. Sparse shell fragments and foraminifera occur throughout each section. Moderately disturbed fracturing occurs at 0-9cm in Section 1, and moderately disturbed slurry occurs at 122-143cm in Section 3



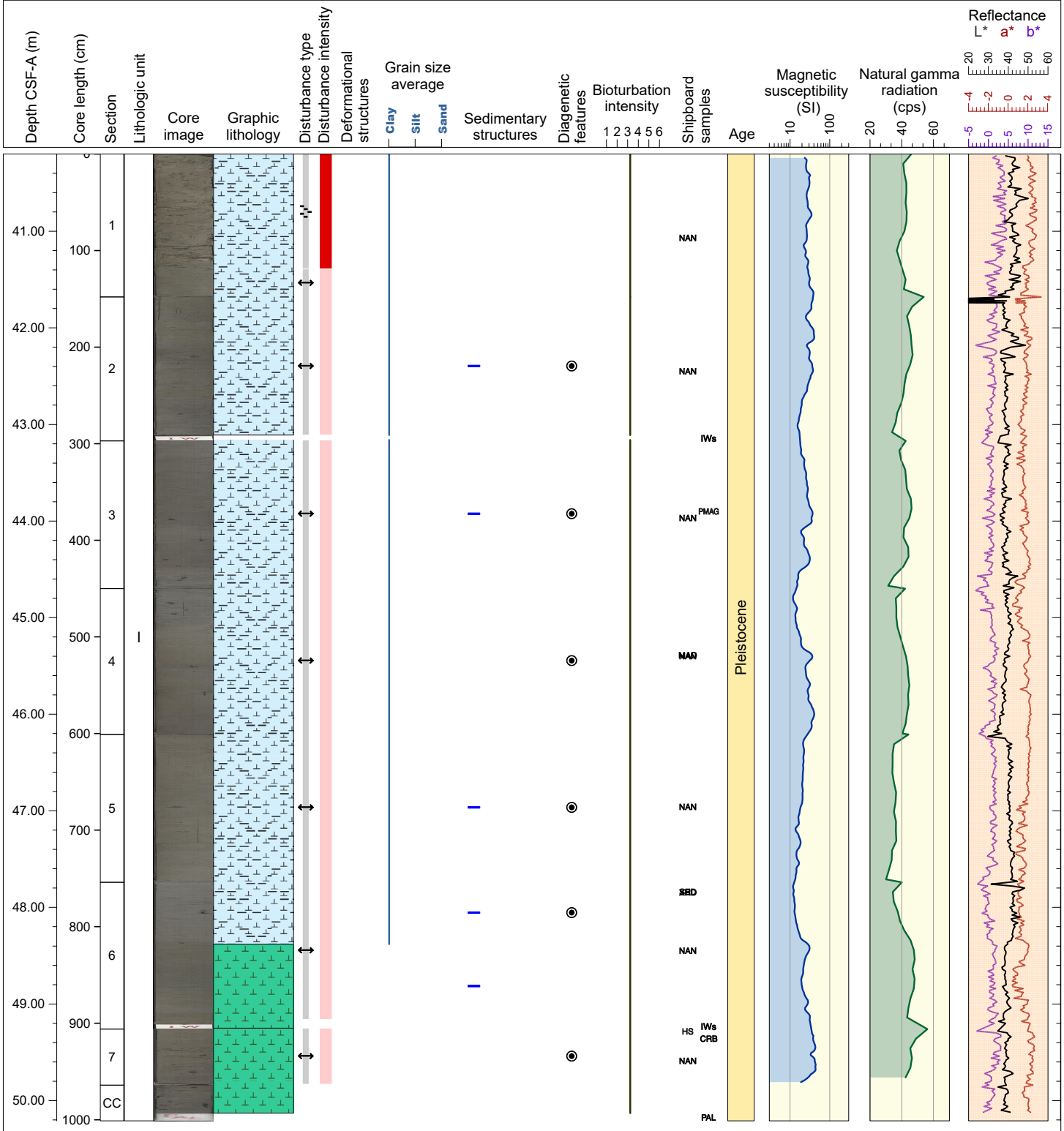
Hole 397-U1588A Core 5H, Interval 30.7-40.6 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Sparse shell fragments and foraminifera occur throughout each section. Color bands are evident throughout Section 5. Small dark and green patches occur throughout the core. Bioturbation is slight, and a trace fossil, Thalassinoides, occurs in Section 6. A severely disturbed interval at 0-20cm overlies a moderately disturbed interval at 20-76cm in Section 1, and the sediment throughout Sections 6 and 7 is slightly disturbed by gas expansion.



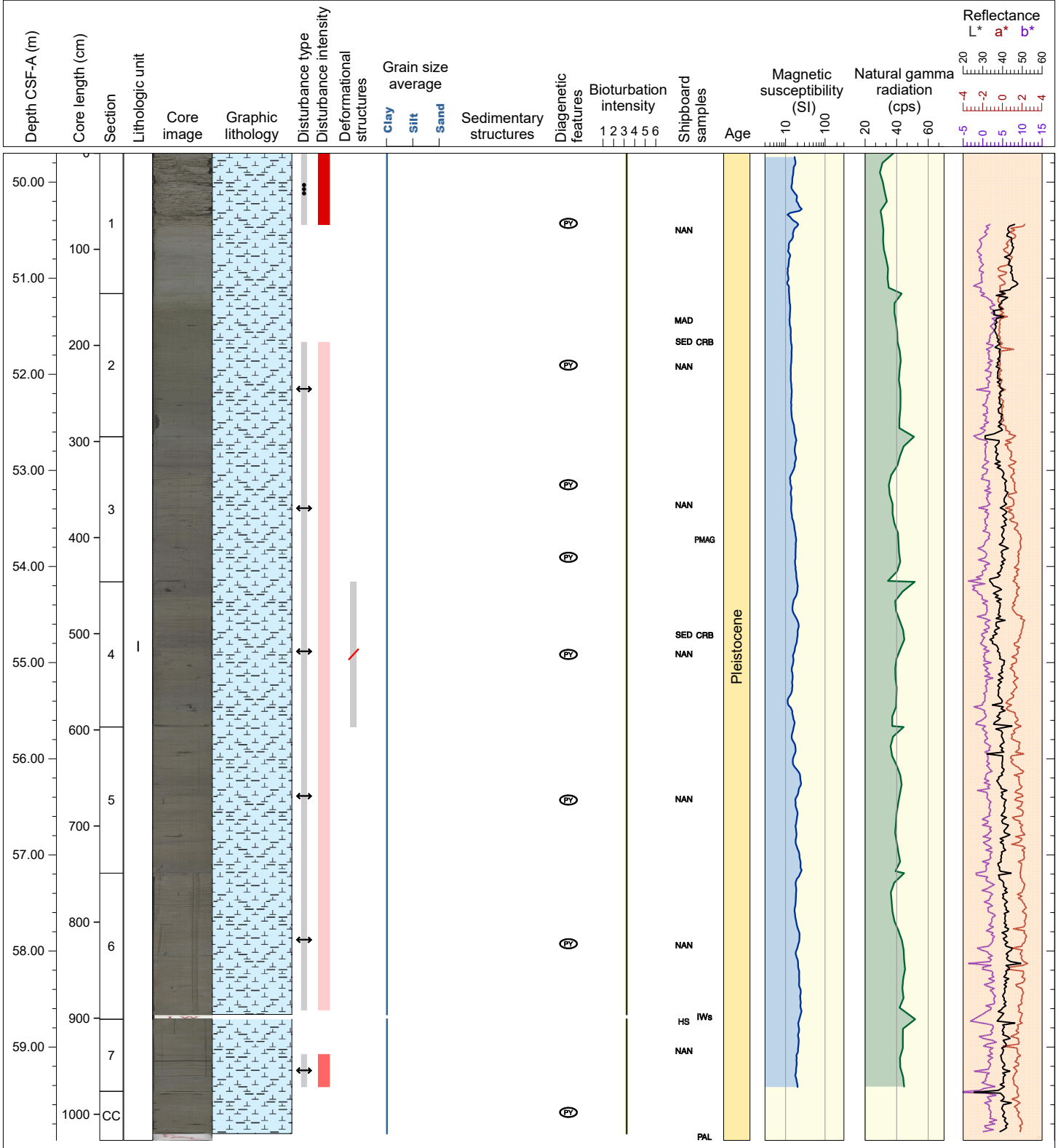
Hole 397-U1588A Core 6H, Interval 40.2-50.21 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE, and NANNOFOSSIL CARBONATE WITH CLAY. Sparse shell fragments and foraminifera occur throughout each section. Color bands are evident throughout Sections 2, 3, 5, and 6. Small dark patches and pyrite nodules occur throughout the core. Bioturbation is slight, and a trace fossil, Thalassinoides, occurs in Sections 2 and 3. A strongly disturbed slurry occurs at 0-119cm in Section 1, and slightly disturbed gas expansion occurs throughout the core.



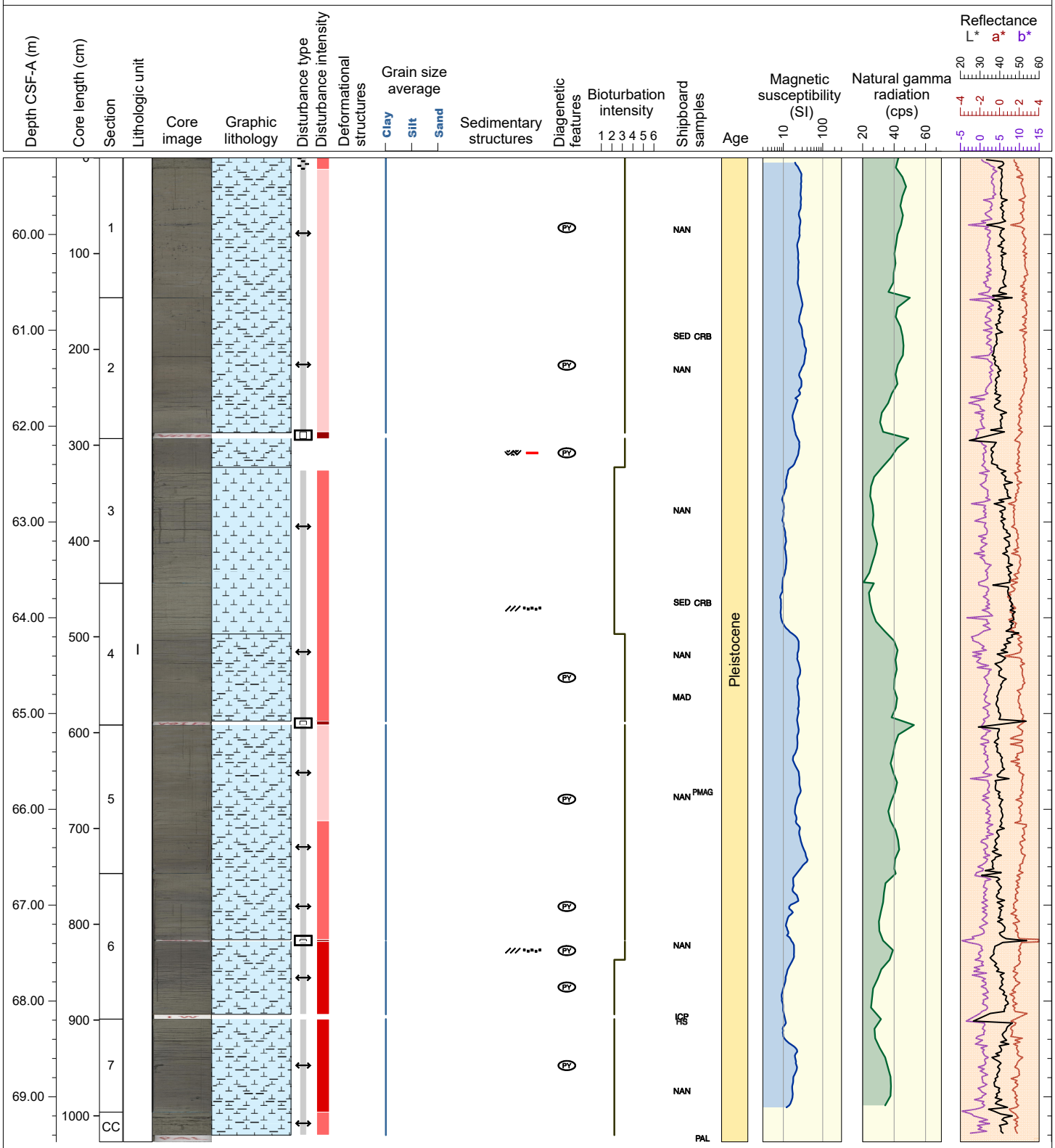
Hole 397-U1588A Core 7H, Interval 49.7-59.97 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Sparse shell fragments and foraminifera occur throughout each section. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Thalassinoides and Chondrites occur throughout the core. A strongly disturbed soupy occurs at 0-75cm in Section 1, and slightly disturbed gas expansion occurs throughout the core.



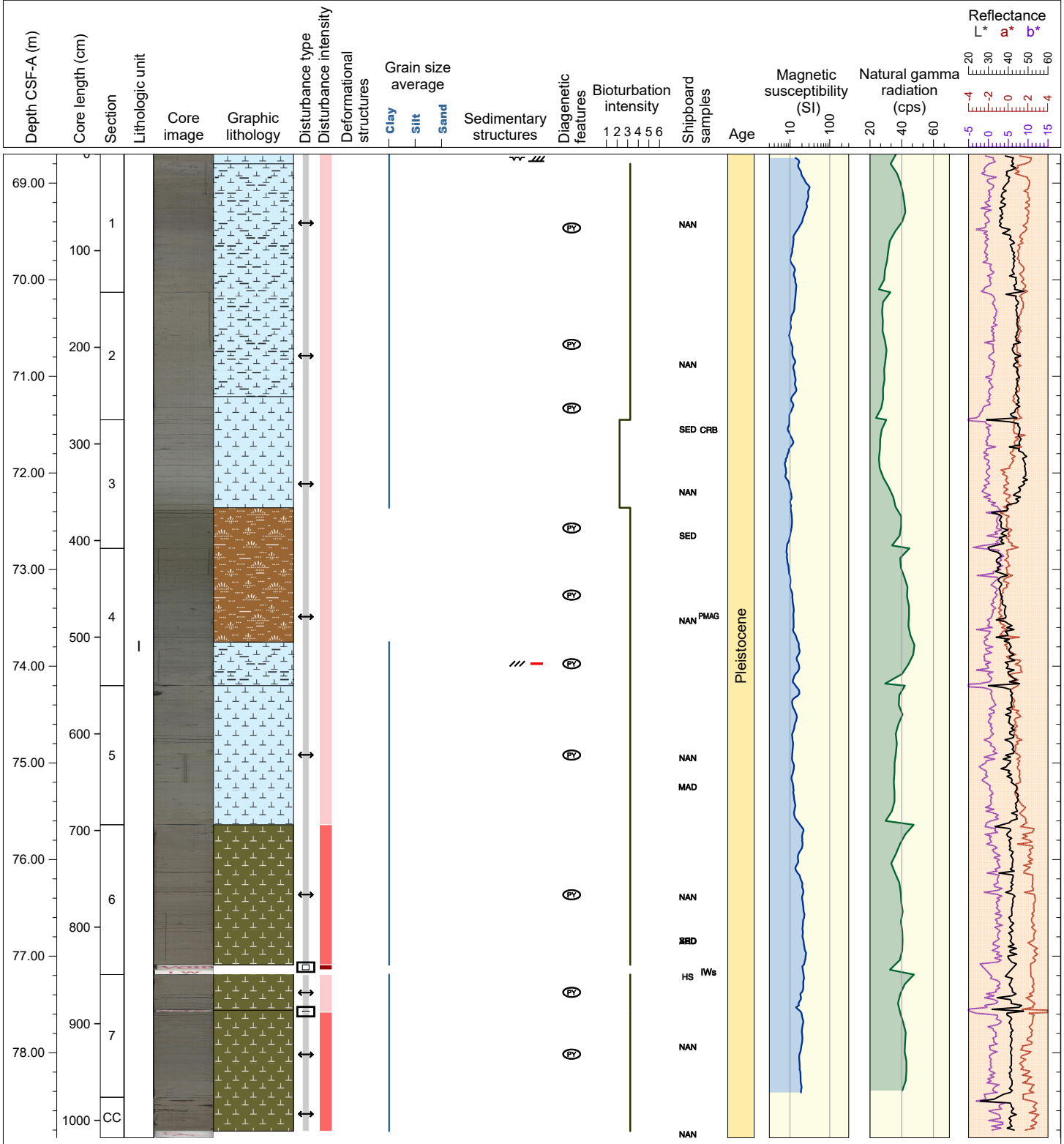
Hole 397-U1588A Core 8H, Interval 59.2-69.47 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE (dark layers) and NANNOFOSSIL WITH CARBONATE (light layers). Sparse shell fragments and foraminifera occur throughout each section. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Thalassinoides and Chondrites occur throughout the core while Zoophycos is also seen in Section 5. Gas expansion occurs throughout the core, with disturbance varying from slightly (Sections 1 and 2), modestly (Sections 3-6), to strongly (Section 7).



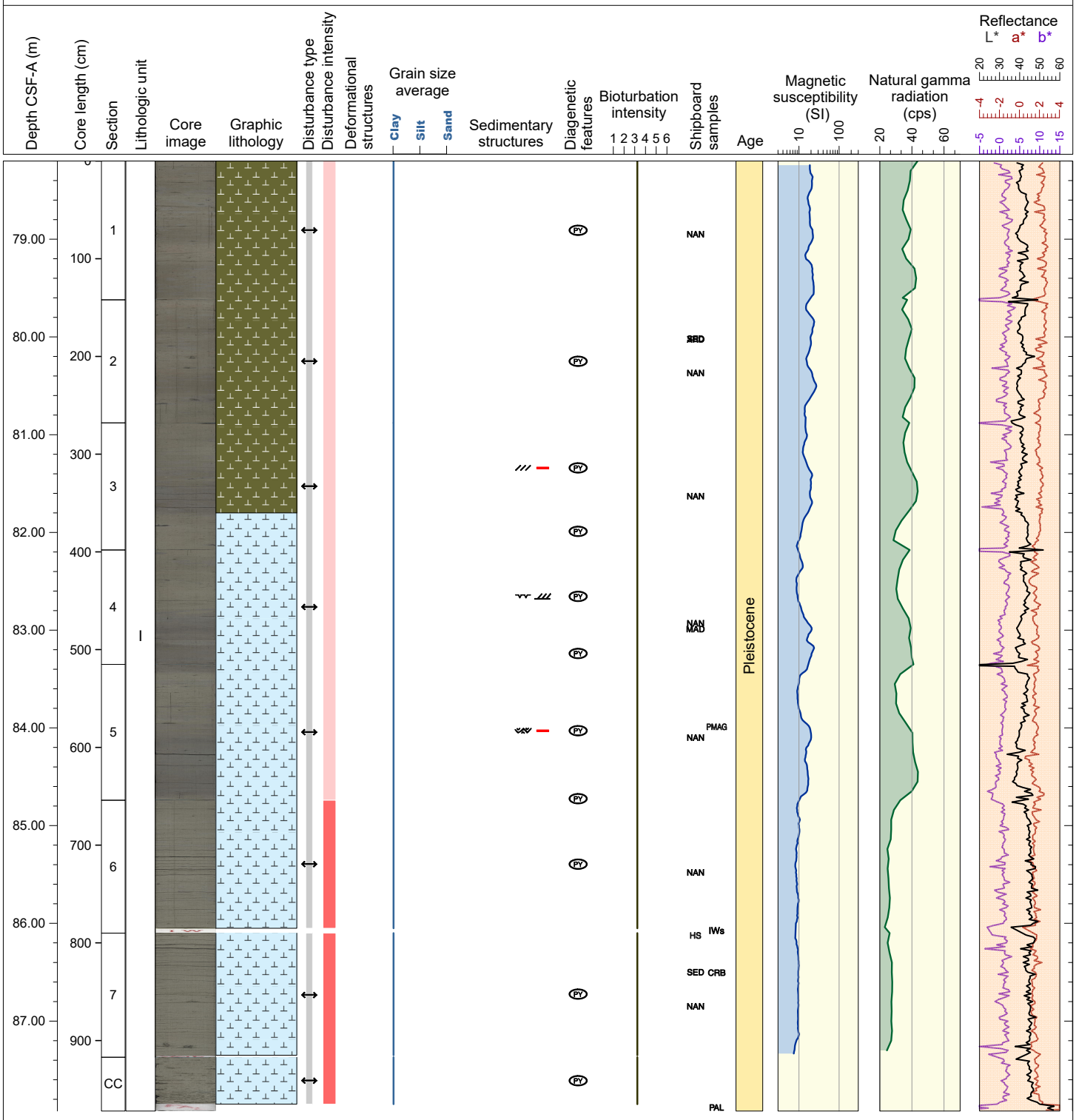
Hole 397-U1588A Core 9H, Interval 68.7-78.88 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE (dark layers), NANNOFOSSIL CARBONATE WITH CARBONATE (light layers), CLAYEY CARBONATE WITH NANNOFOSSIL (dark green layers), and CARBONATE NANNOFOSSIL OOZE WITH CLAY (brown). Sparse shell fragments and foraminifera occur throughout each section. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Thalassinoides and Chondrites occur throughout the core while Ophiomorpha is observed in Section 1 and Zoophycos is seen in Sections 6-7. Slightly (Sections 1-5) to moderately (Sections 6-7-CC) disturbed gas expansion occurs throughout the core.



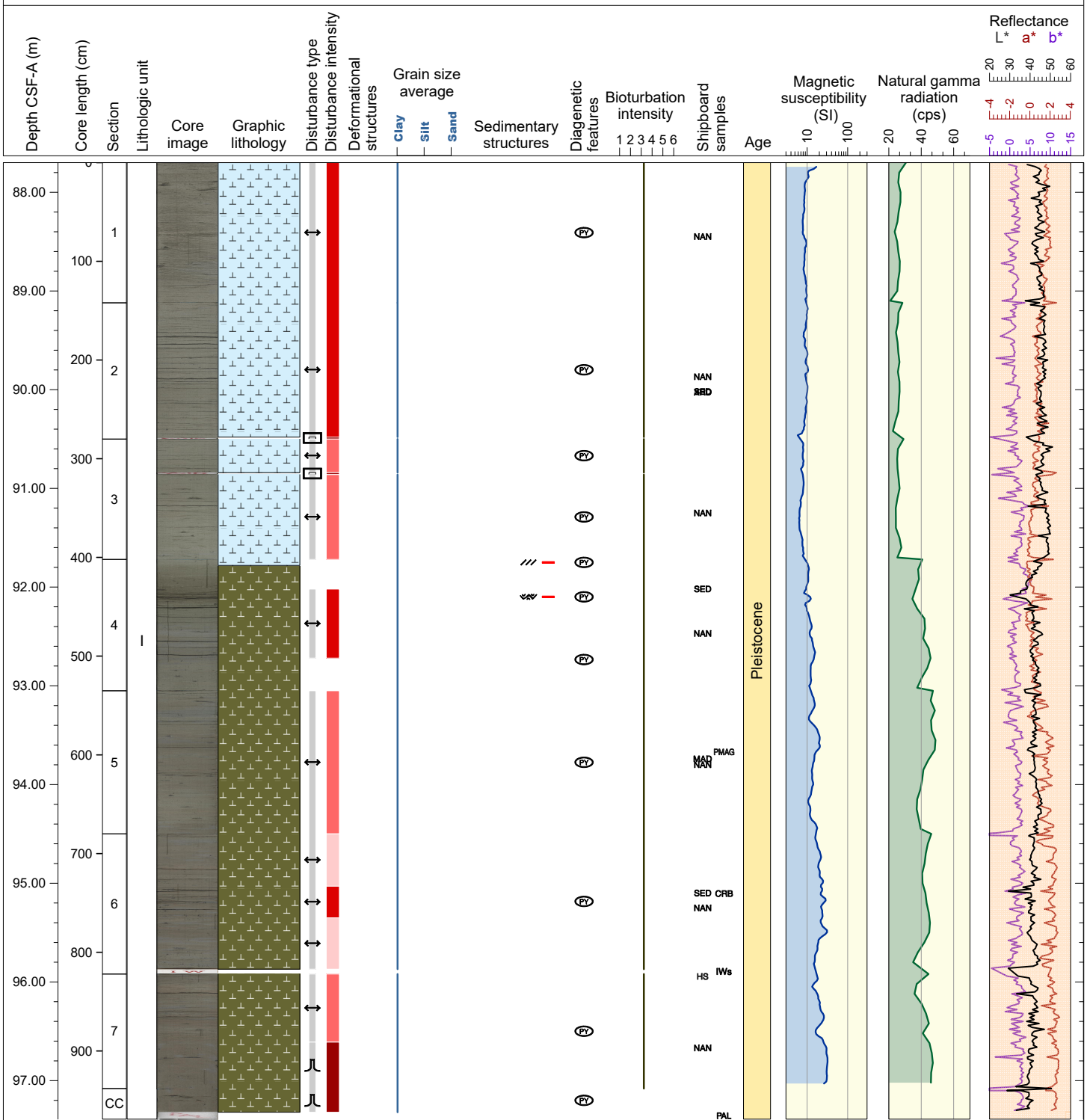
Hole 397-U1588A Core 10H, Interval 78.2-87.92 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY (brown), NANNOFOSSIL CARBONATE WITH CARBONATE AND CLAY (dark layers), and NANNOFOSSIL CARBONATE WITH CARBONATE (light layers). Small carbonate sand/shell fragments occur throughout each section. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Thalassinoides, Chondrites and Planolites occur throughout the core. Slightly (Sections 1-5) to moderately (Sections 6-7-CC) disturbed gas expansion occurs throughout the core.



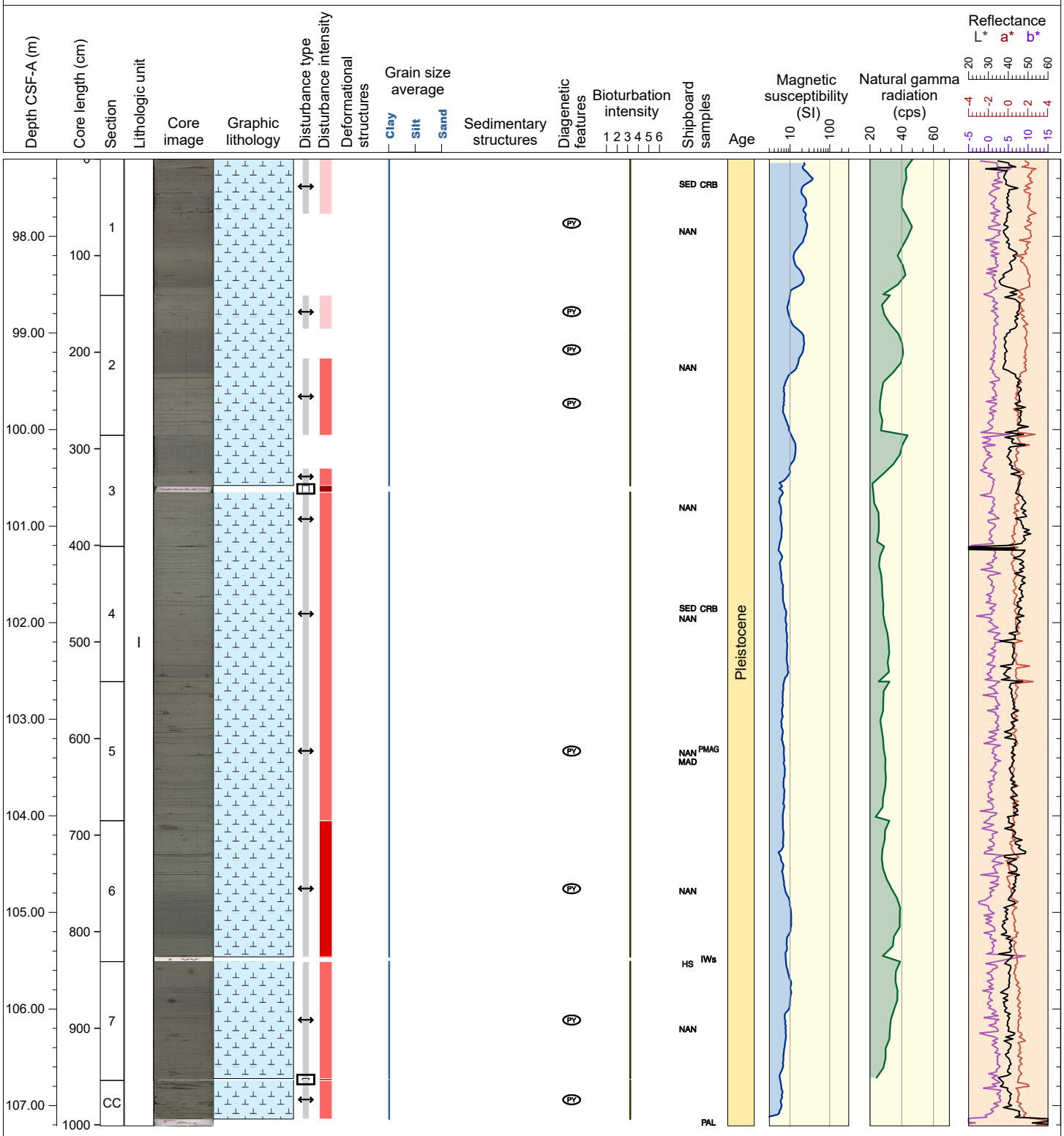
Hole 397-U1588A Core 11H, Interval 87.7-97.39 m (CSF-A)

This core is dominated by NANNOFOSSIL CARBONATE WITH CARBONATE (light grey) and CARBONATE NANNOFOSSIL OOZE WITH CLAY (greenish grey and brownish grey). Small carbonate sand/shell fragments occur throughout each section. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Thalassinoides and Chondrites occur throughout the core. Drilling disturbances include moderately (Sections 3, 5, and upper 7) to strongly (Sections 1, 2, 4, and lower 6) disturbed gas expansion and severely disturbed flow-in (lower Section 7 and CC).



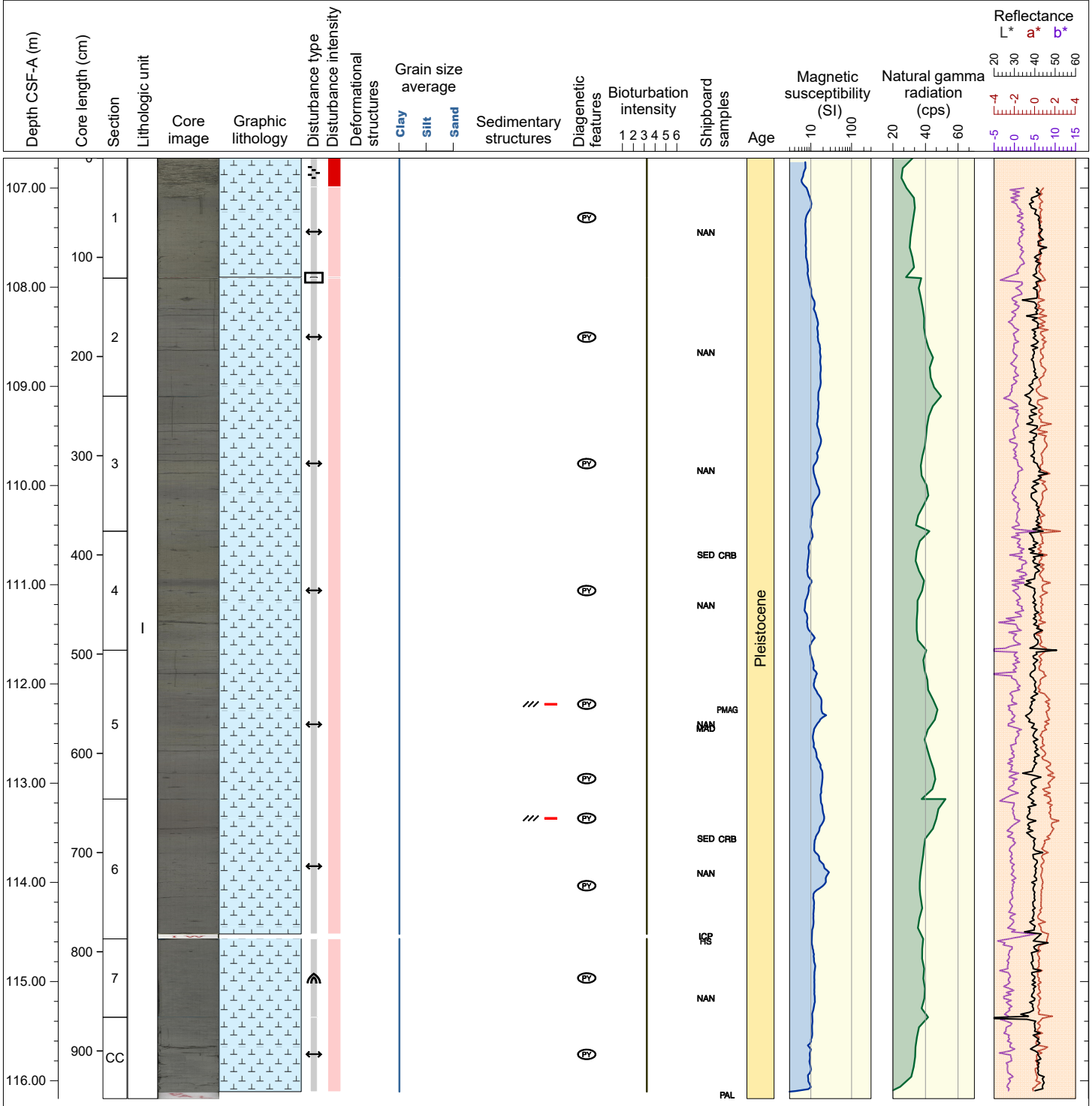
Hole 397-U1588A Core 12H, Interval 97.2-107.21 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE (for both light grey and darker grey). Small carbonate sand/shell fragments occur throughout each section. Color bands are discernable in the core. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Thalassinoides, Chondrites and Planolites are observed in the core. Drilling disturbances include slightly (Sections 1 and upper 2), moderately (Sections lower 2, 3-5, lower 7, and CC), and strongly (Section 6) disturbed gas expansion.



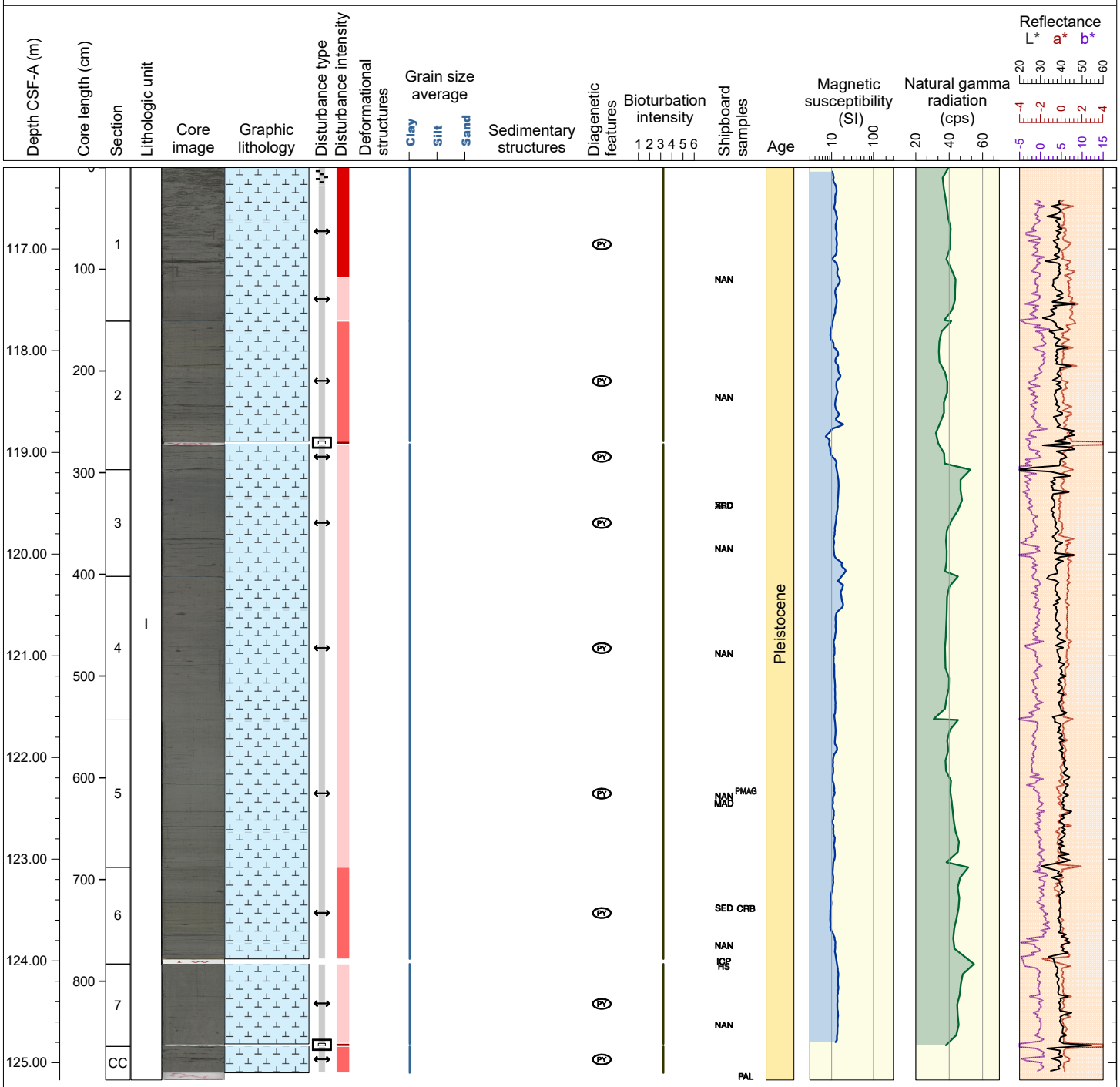
Hole 397-U1588A Core 13H, Interval 106.7-116.18 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE (light grey) and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY (dark grey). Small carbonate sand/shell fragments occur throughout each section. Color bands are discernable in the core. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Thalassinoides, Chondrites and Planolites are observed in the core. Drilling disturbances include strongly disturbed slurry (top 29 cm of Section 1), slightly disturbed gas expansion (Sections 1-6 and CC), and slightly disturbed up-arching (Section 7).



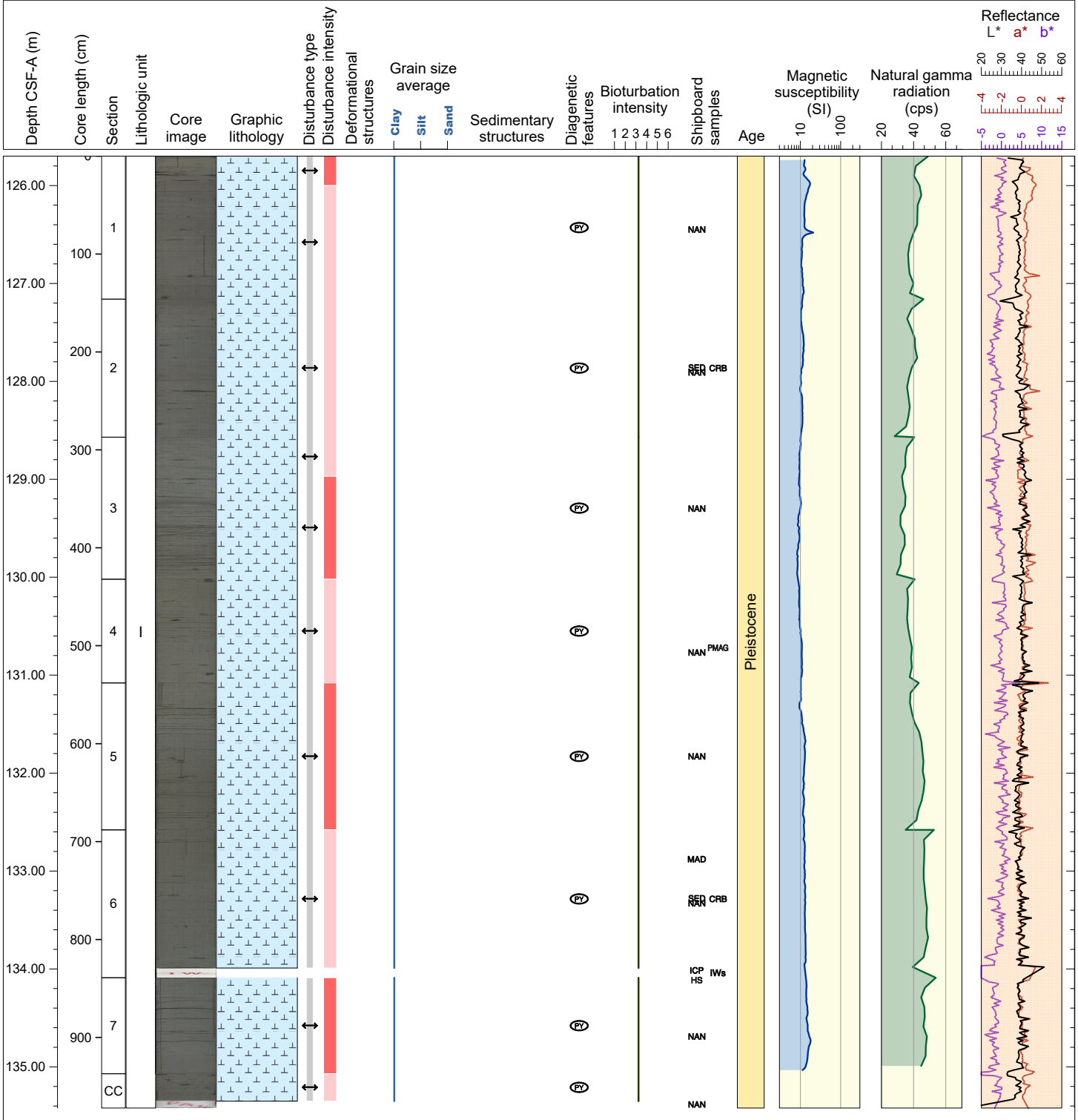
Hole 397-U1588A Core 14H, Interval 116.2-125.17 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE (light grey) and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY (dark grey). Small carbonate sand/shell fragments occur throughout each section. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Thalassinoides, Chondrites and Planolites, Zoophycos are observed in the core. Drilling disturbances include strongly disturbed slurry (top 18 cm of Section 1), and mostly slightly disturbed gas expansion.



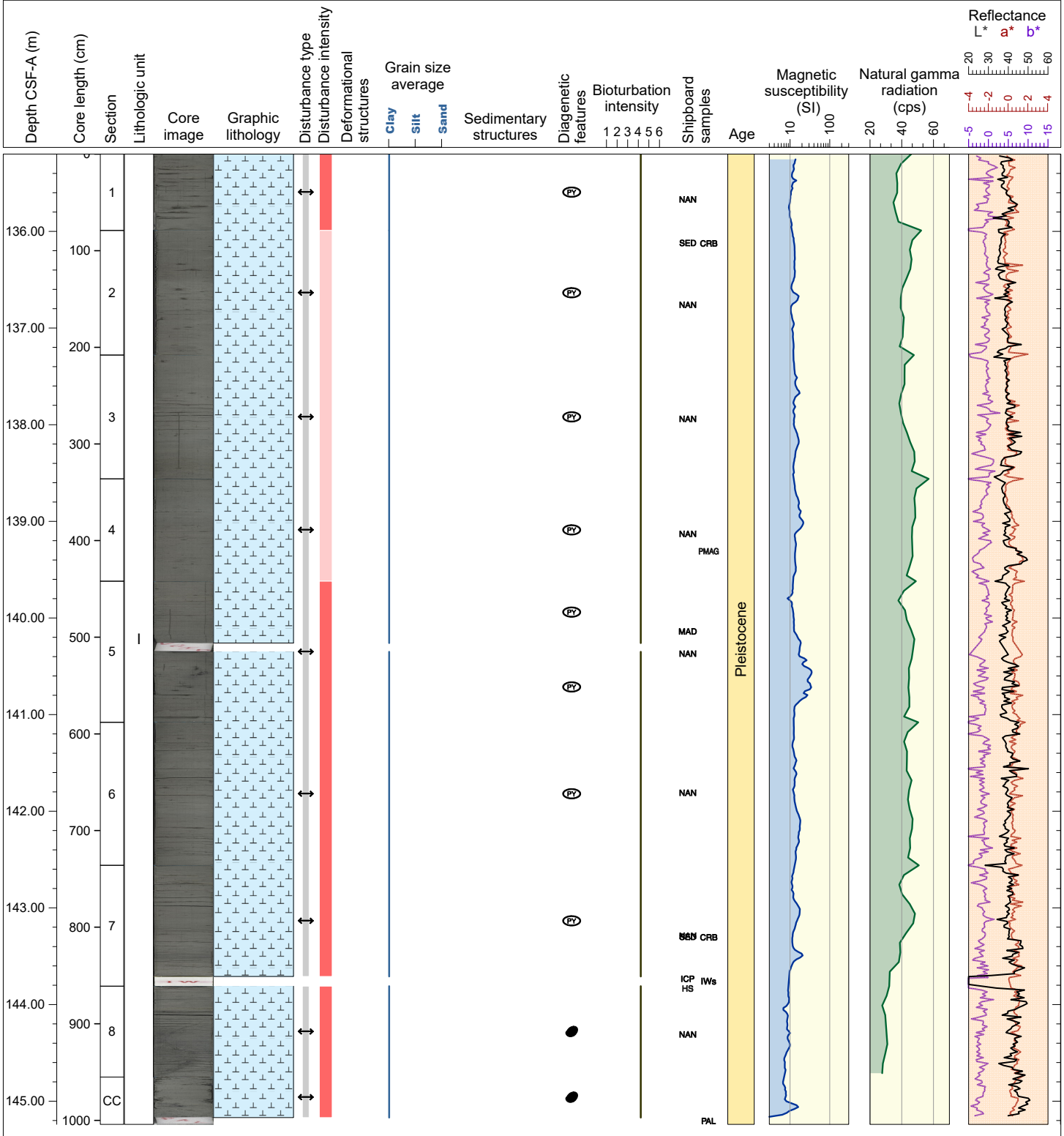
Hole 397-U1588A Core 15H, Interval 125.7-135.42 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE (light grey). Small carbonate sand/shell fragments occur throughout each section. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Thalassinoides and Chondrites are observed in the core. Drilling disturbances include slightly-to-moderately disturbed gas expansion.



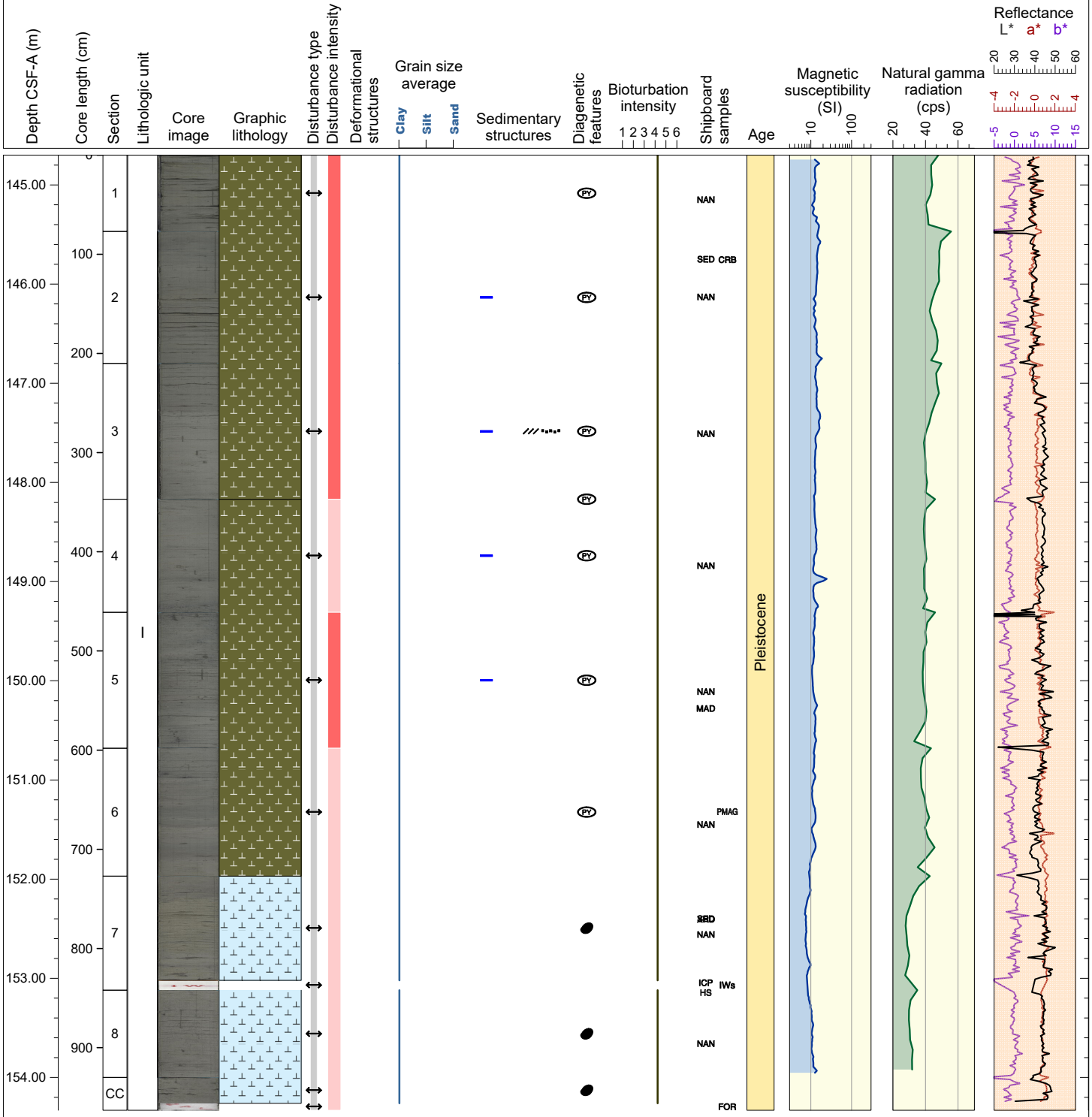
Hole 397-U1588A Core 16H, Interval 135.2-145.24 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY (light grey) and CARBONATE NANNOFOSSIL OOZE (grey). Foraminifera and small carbonate sand/shell fragments occur throughout each section. Pyrite nodules occur throughout the core, and black patches occur in Section 8 and CC. Bioturbation is moderate, and trace fossils including Thalassinoides, Chondrites and Planolites are observed in the core. Drilling disturbance due to gas expansion is moderate in Sections 1 and 5-8, and slight in Sections 2-4.



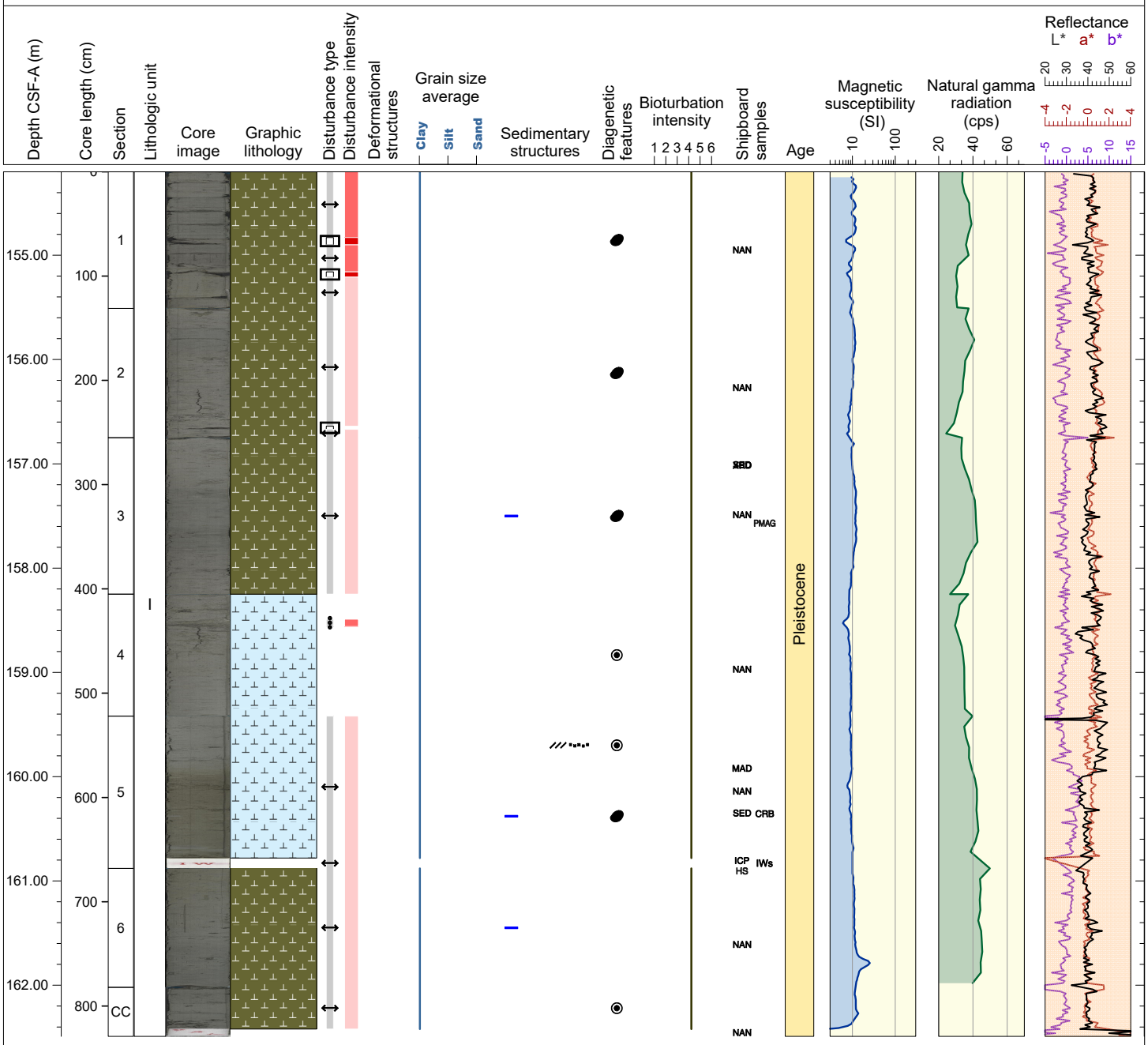
Hole 397-U1588A Core 17H, Interval 144.7-154.33 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY (grey) and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY (light grey). Contacts are gradational and bioturbated. Foraminifera and small carbonate sand/shell fragments are disseminated in each section. Pyrite nodules and dark patches occur throughout the core. Bioturbation is moderate throughout, and the trace fossil Thalassinoides occurs in Section 4. Disturbance by gas expansion is moderate in Sections 1-5 and slight in Sections 6-8 and CC.



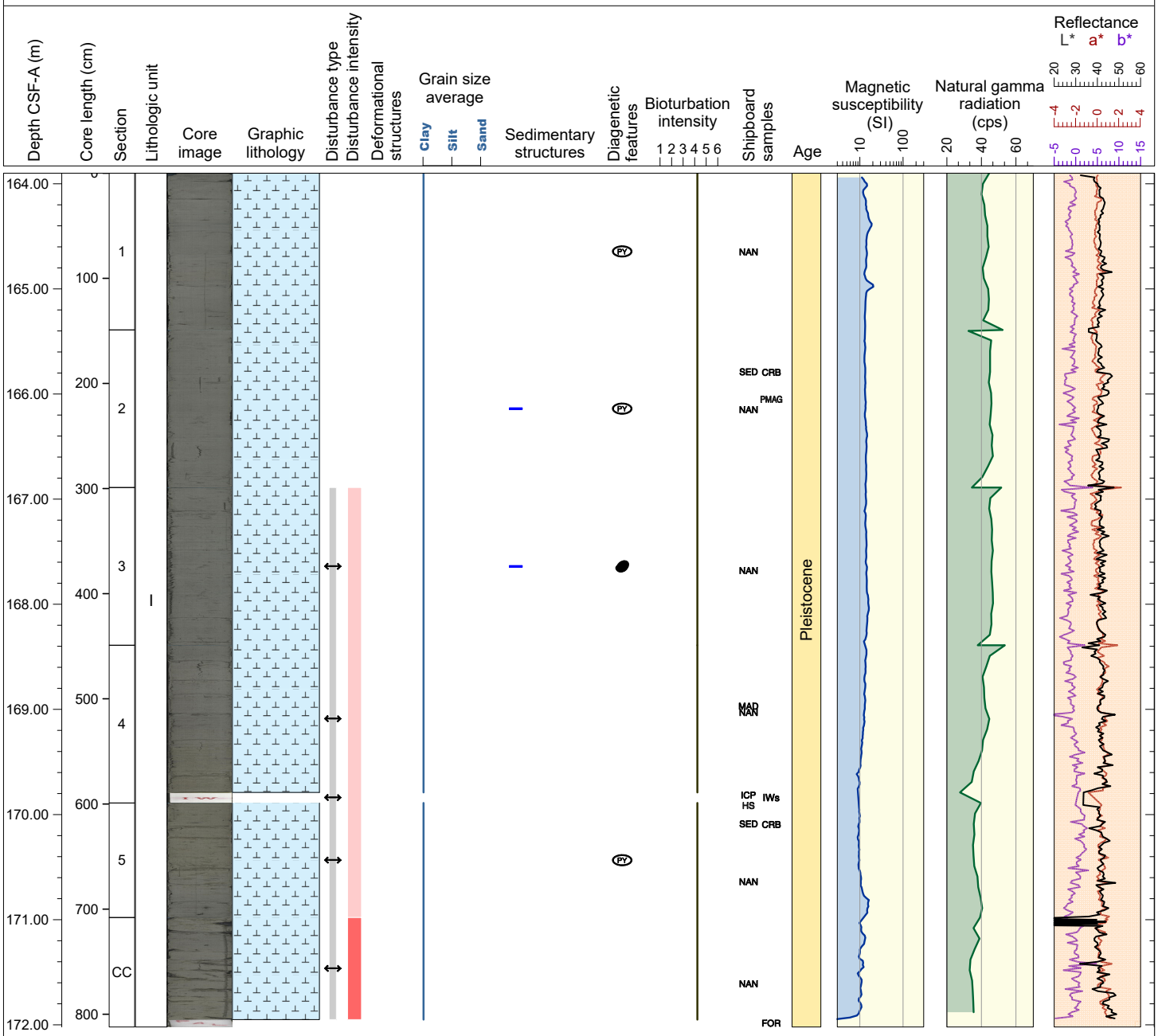
Hole 397-U1588A Core 18X, Interval 154.2-162.49 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CARBONATE AND CLAY (grey to light grey). Contacts are gradational and bioturbated. Color bands occur in Sections 3, 5, and 6. Foraminifera and small carbonate sand/shell fragments are disseminated in each section. Pyrite nodules and dark patches occur throughout the core. Bioturbation is moderate throughout, and the trace Thalassinoides occurs in Sections 1-3 and 5. Disturbance by gas expansion is slight in Sections 2-6 and CC, moderate in Section 1. There is a void at 96-101cm in Section 1 and a moderately disturbed soupy interval at 24-31cm in Section 4.



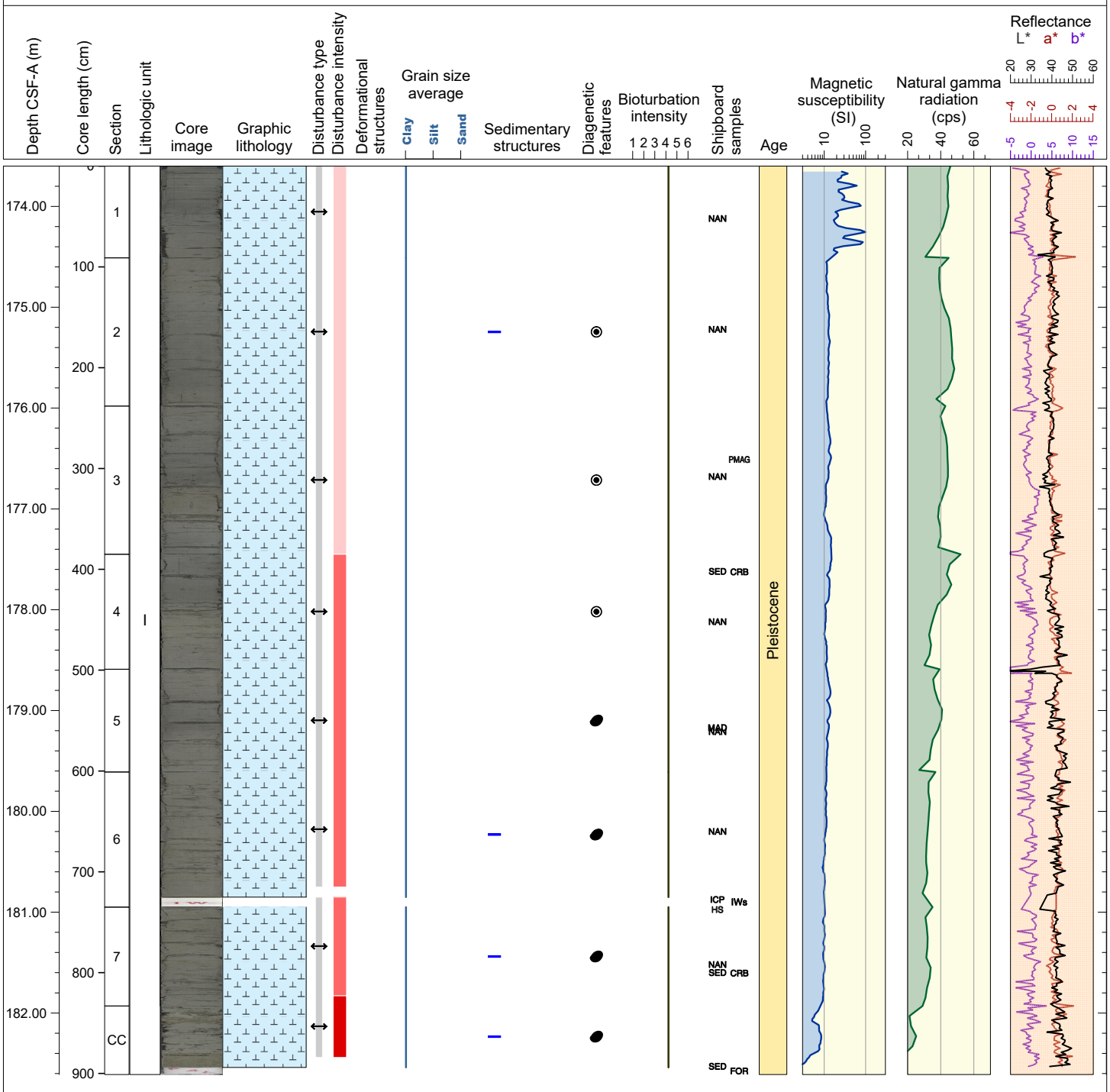
Hole 397-U1588A Core 19X, Interval 163.9-172.02 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Contacts are gradational and bioturbated. Color bands occur in Sections 3, 5, and 6. Foraminifera and small carbonate sand/shell fragments are disseminated in each section. Pyrite nodules and dark patches occur throughout the core. Bioturbation is moderate throughout, and the trace fossils Planolites and Thlassinoides are evident. The sediment is slightly disturbed by gas expansion in Sections 1-5 and moderately disturbed in the CC.



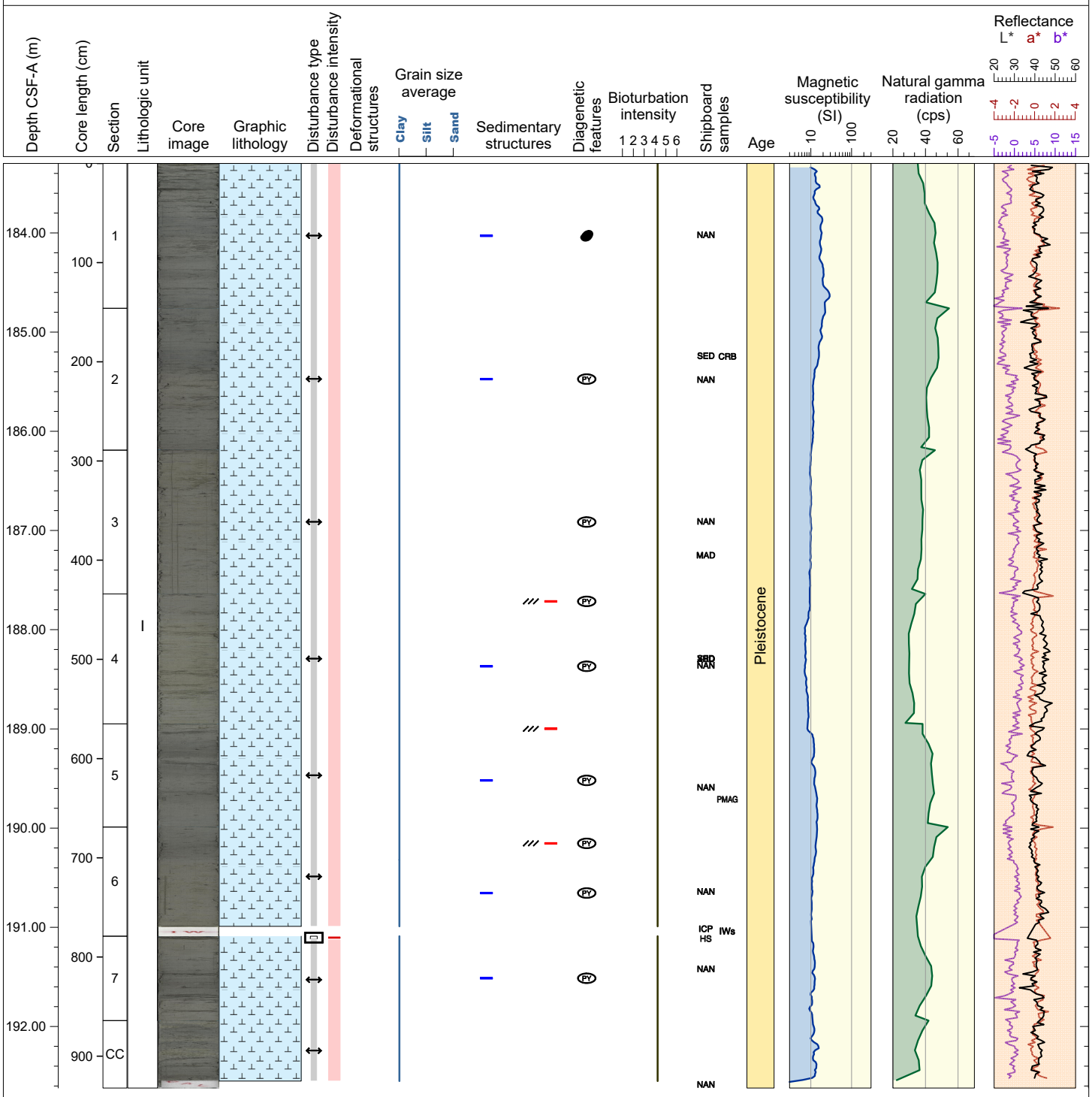
Hole 397-U1588A Core 20X, Interval 173.6-182.61 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Color bands occur in Sections 2, 6, and 6. Foraminifera and small carbonate sand/shell fragments are disseminated in each section. Pyrite nodules and dark patches occur throughout the core. Bioturbation is moderate throughout. Gas expansion has slightly disturbed sediment in Sections 1-3, moderately disturbed Sections 4-7, and strongly disturbed sediment in the CC.



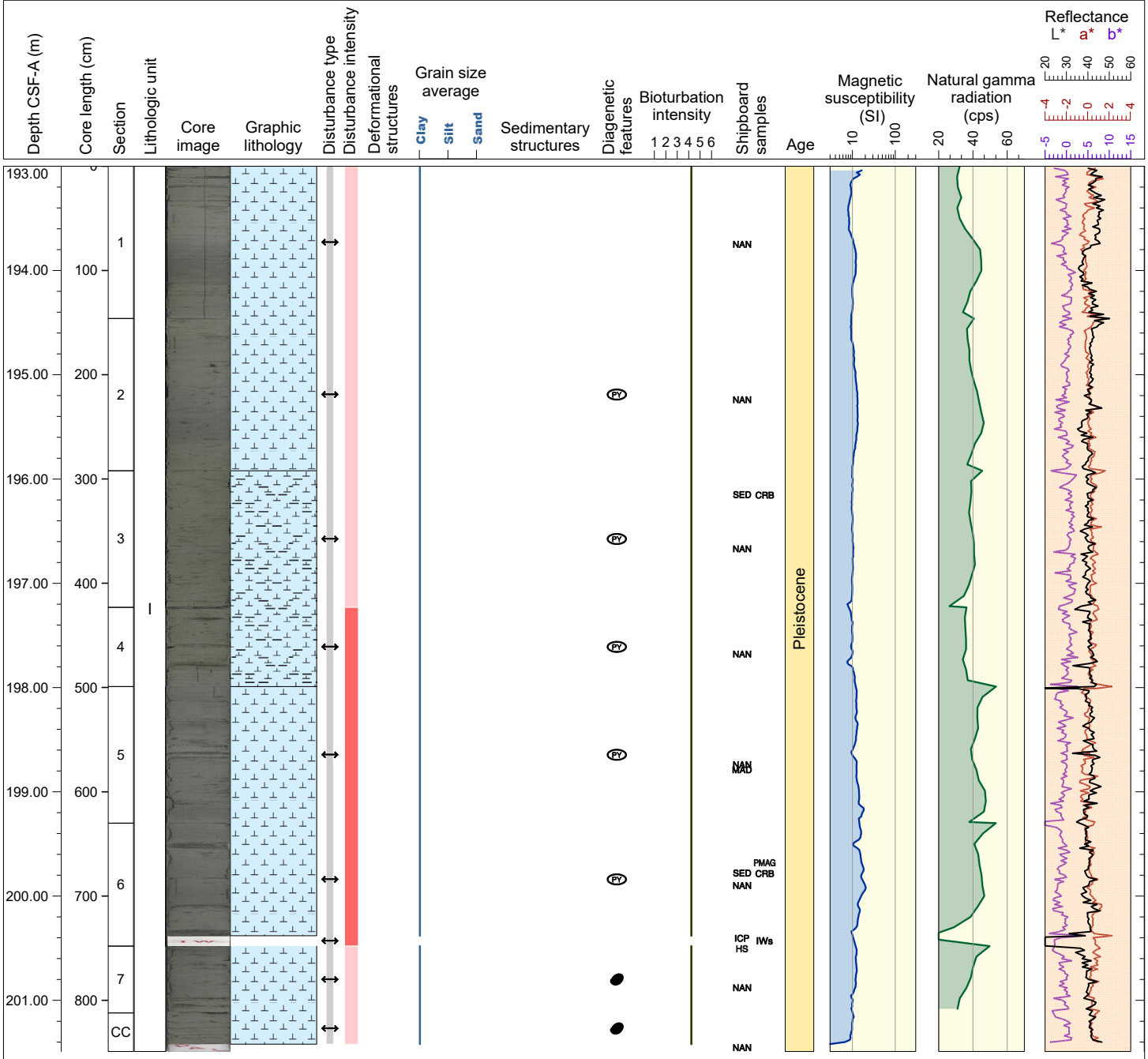
Hole 397-U1588A Core 21X, Interval 183.3-192.62 m (CSF-A)

This core is dominated by CLAY WITH NANNOFOSSIL AND DIATOM NANNOFOSSIL OOZE.. Color bands occur in Sections 1, 2, and 4-7. Foraminifera and small carbonate sand/shell fragments are disseminated in each section. Pyrite nodules and dark patches occur throughout the core. Bioturbation is moderate throughout, and the trace fossils Thalassinoides are evident in Sections 3, 5, and 7. The core is slightly disturbed by gas expansion throughout.



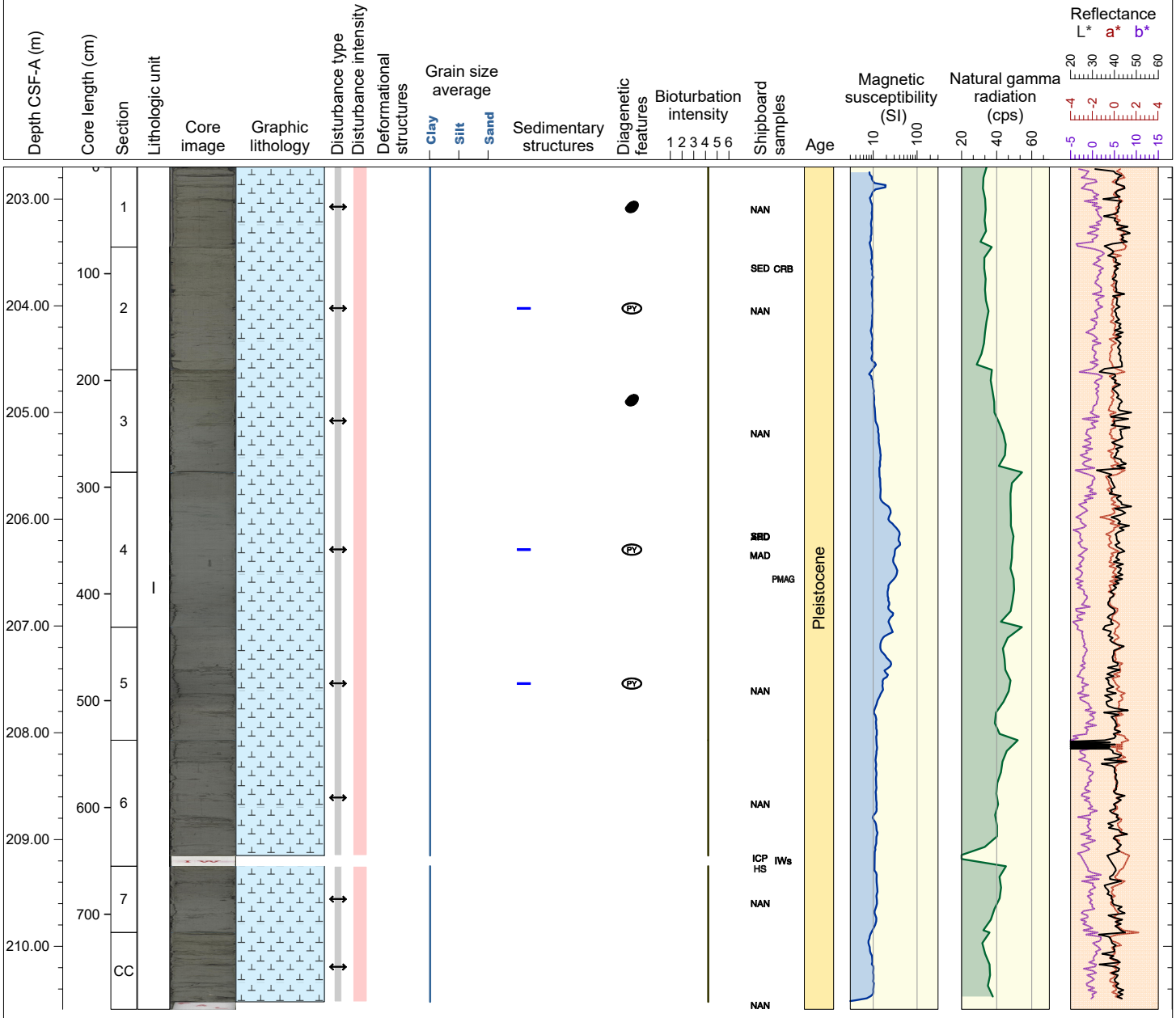
Hole 397-U1588A Core 22X, Interval 193.0-201.49 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY and CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small carbonate sand/shell fragments are disseminated in each section. Pyrite nodules and dark patches occur throughout the core. Bioturbation is moderate throughout, and trace fossils, including Thalassinoides, Chondrites and Planolites are evident in each section.The core is slightly disturbed by gas expansion in Sections 1-3, 7 and CC, and moderately disturbed by gas expansion in Sections 4-6.



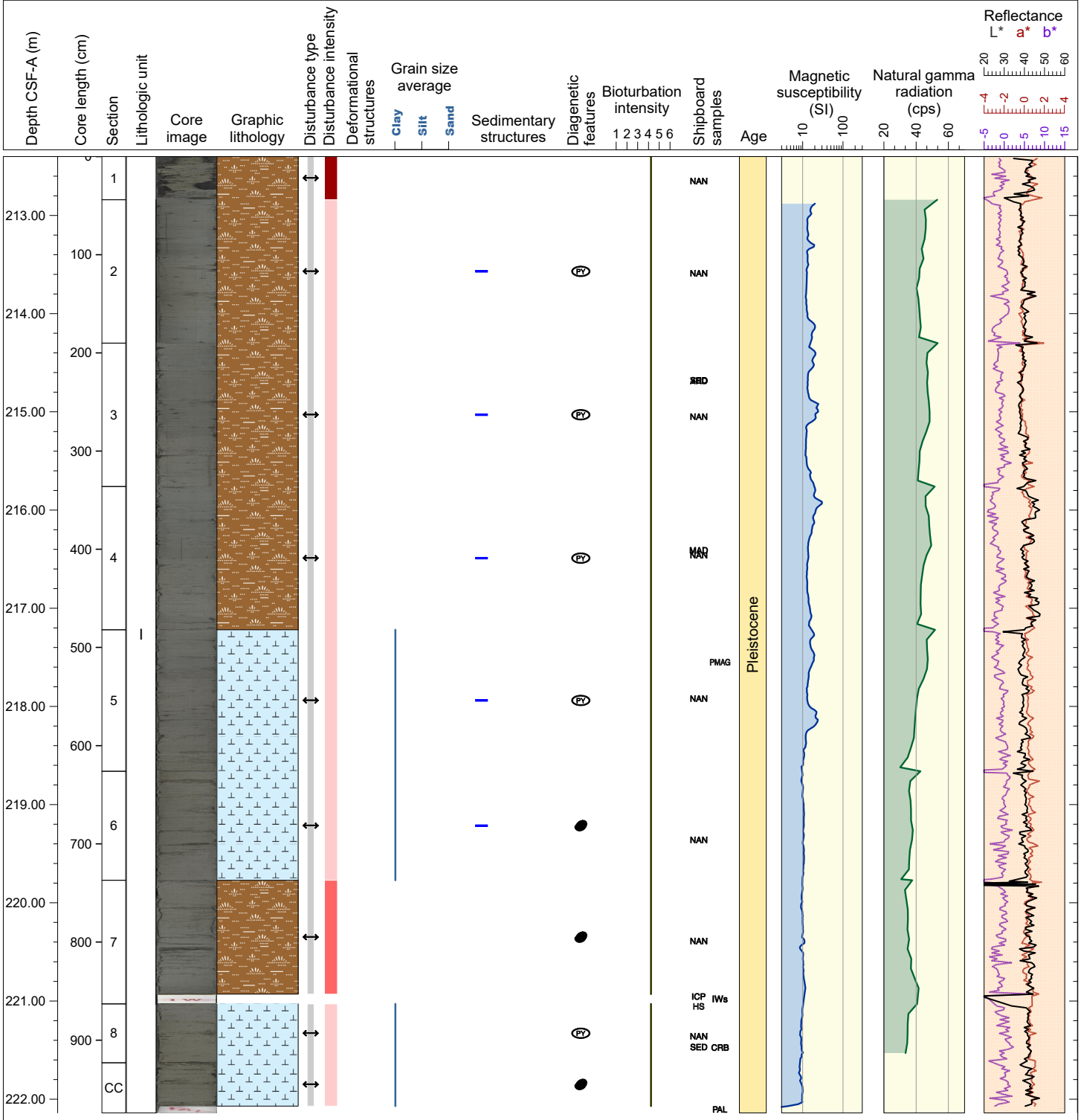
Hole 397-U1588A Core 23X, Interval 202.7-210.59 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY and CLAYEY CARBONATE WITH NANNOFOSSILS. Color bands occur in Sections 2, 6, and 5. Sections 3 and 4 are more greenish gray. Foraminifera and small carbonate sand/shell fragments are disseminated in each section. Pyrite nodules and dark patches occur throughout the core. Bioturbation is moderate throughout. The core is slightly disturbed by gas expansion throughout.



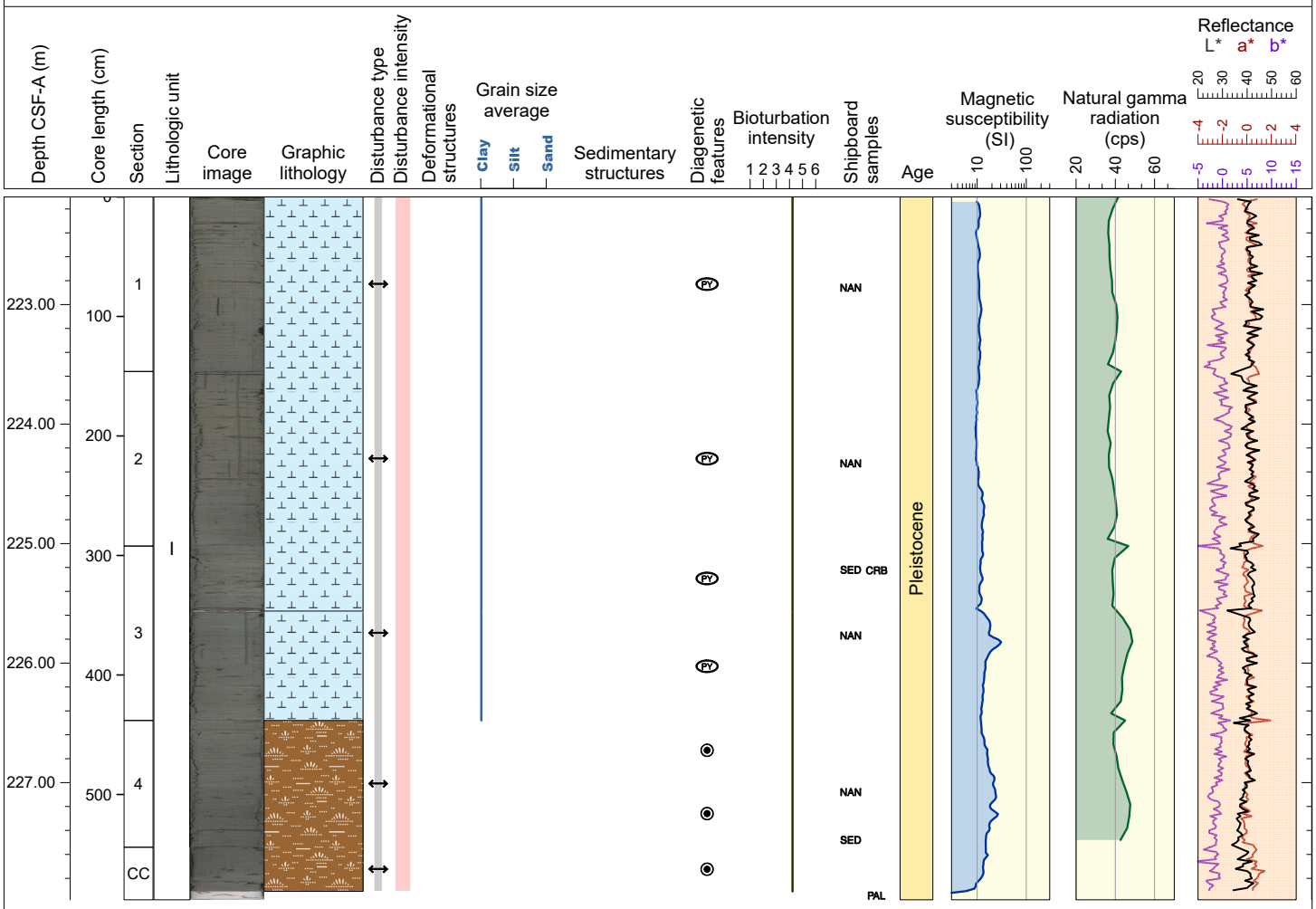
Hole 397-U1588A Core 24X, Interval 212.4-222.14 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY and CLAYEY CARBONATE WITH NANNOFOSSILS. Color bands occur in Sections 2-5 within generally dark greenish gray sediment. Sections 5, 6. 8 and CC are more brownish green. Foraminifera and small carbonate sand/shell fragments are disseminated in each section. Pyrite nodules and dark patches occur throughout the core. Bioturbation is moderate throughout. The core is slightly disturbed by gas expansion in Sections 2-6, 8 and CC, moderately disturbed in Section 7 and severely disturbed in Section 1.



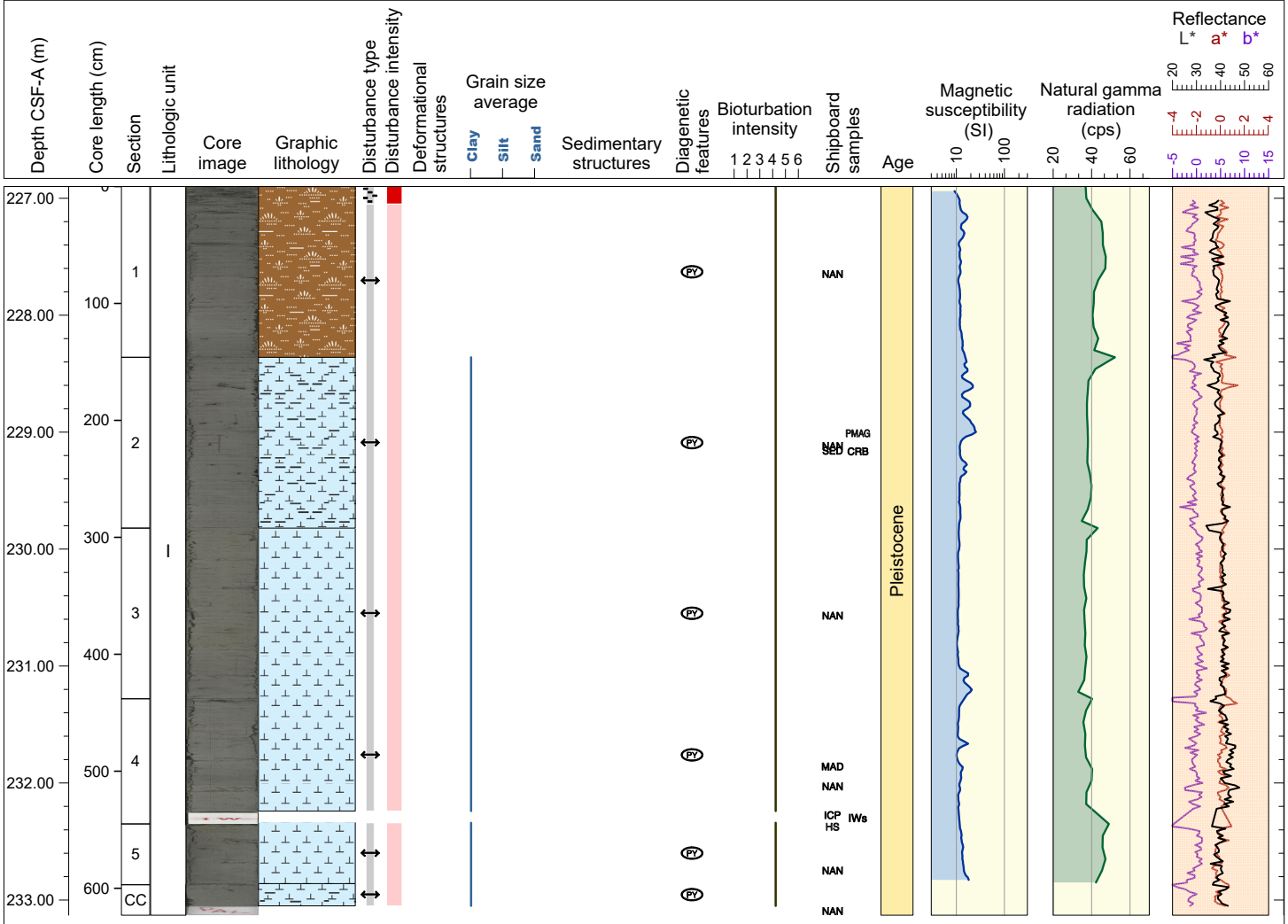
Hole 397-U1588A Core 25X, Interval 222.1-227.98 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY and CLAYEY CARBONATE WITH NANNOFOSSILS. Foraminifera and small carbonate sand/shell fragments are disseminated in each section. Pyrite nodules and dark patches occur throughout the core. Bioturbation is moderate throughout, and trace fossils including Thalassinoides, Chondrites and Zoophycos are evident in each section. The core is slightly disturbed by gas expansion throughout.



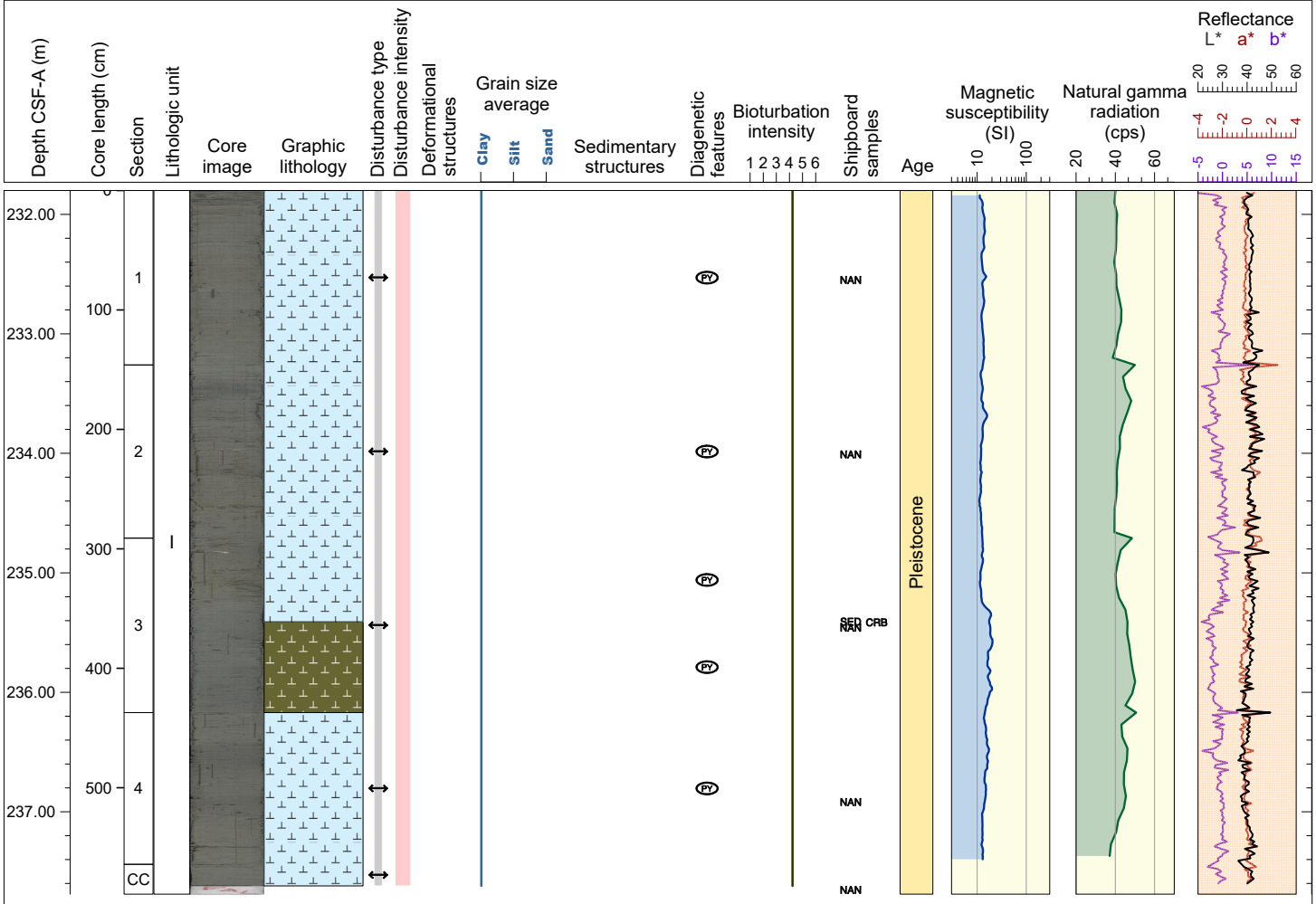
Hole 397-U1588A Core 26X, Interval 226.9-233.13 m (CSF-A)

This core is dominated by CLAYEY CARBONATE WITH NANNOFOSSIL, CLAYEY NANNOFOSSIL OOZE WITH CARBONATE, and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small carbonate sand/shell fragments are disseminated in each section. Pyrite nodules and dark patches occur throughout the core. Bioturbation is moderate throughout, and trace fossils including Chondrites (and maybe Thalassinoides and Zoophycos) are evident in each section. Strongly disturbed slurry occurs at top 15 cm in Section 1, and the rest of the core is slightly disturbed by gas expansion.



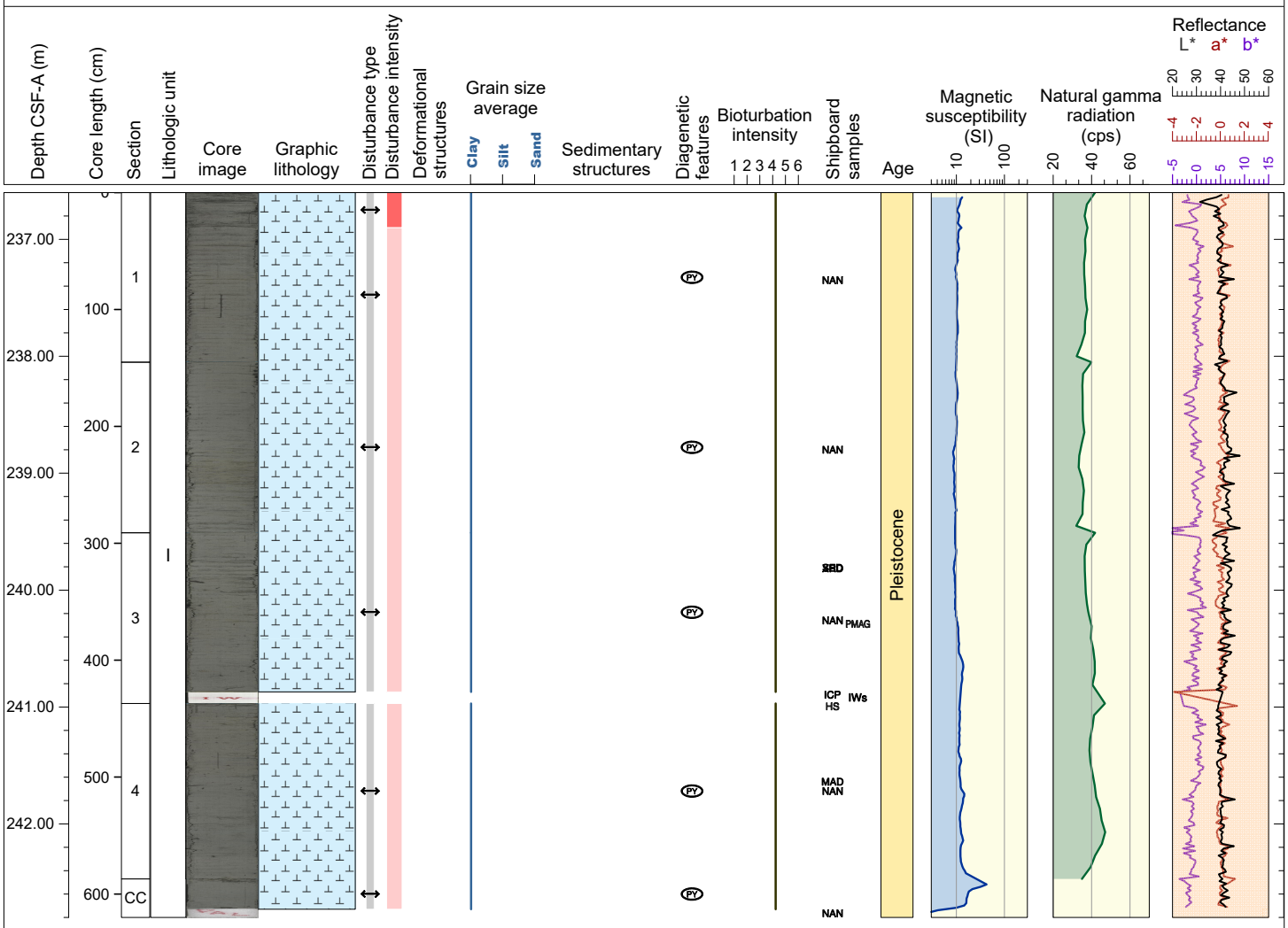
Hole 397-U1588A Core 27X, Interval 231.8-237.69 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small carbonate sand/shell fragments are disseminated throughout. Pyrite nodules and dark patches occur in Sections 1-4. Bioturbation is moderate throughout, and trace fossils including Chondrites and Thalassinoides (and Zoophycos?) are evident in each section. The core is slightly disturbed by gas expansion and biscuiting throughout.



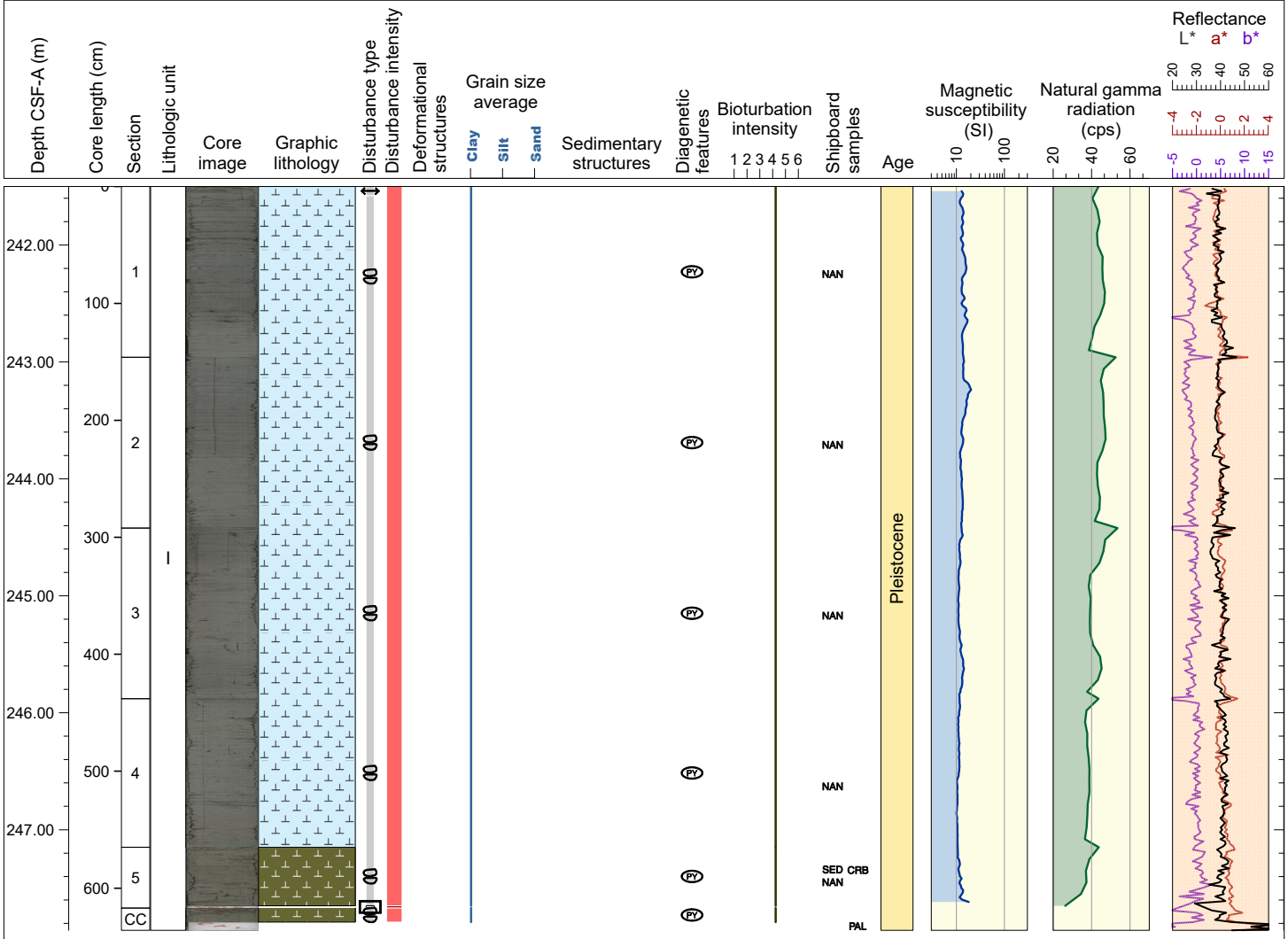
Hole 397-U1588A Core 28X, Interval 236.6-242.8 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small carbonate sand/shell fragments are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils including Chondrites and Thalassinoides (and Zoophycos?) are evident in each section. A macrofossil shell is seen at 118 cm in Section 3. The core is moderately disturbed by gas expansion in top 30 cm of Section 1, slightly disturbed in the remaining cores, and biscuiting is seen throughout the core.



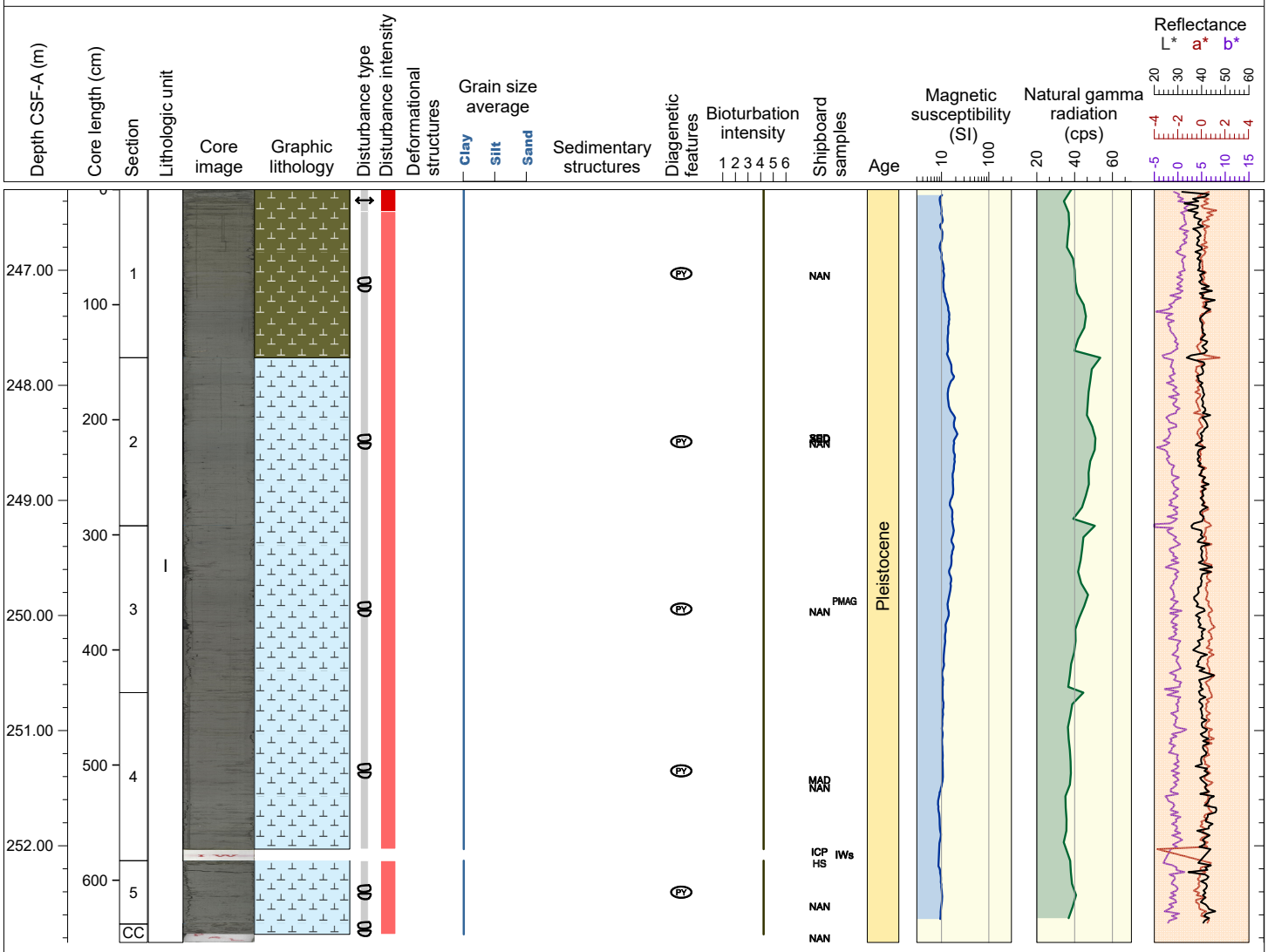
Hole 397-U1588A Core 29X, Interval 241.5-247.86 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small carbonate sand/shell fragments are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils including Chondrites and Thalassinoides (and Zoophycos?) are evident in each section. The core is moderately disturbed by gas expansion and biscuiting throughout the core.



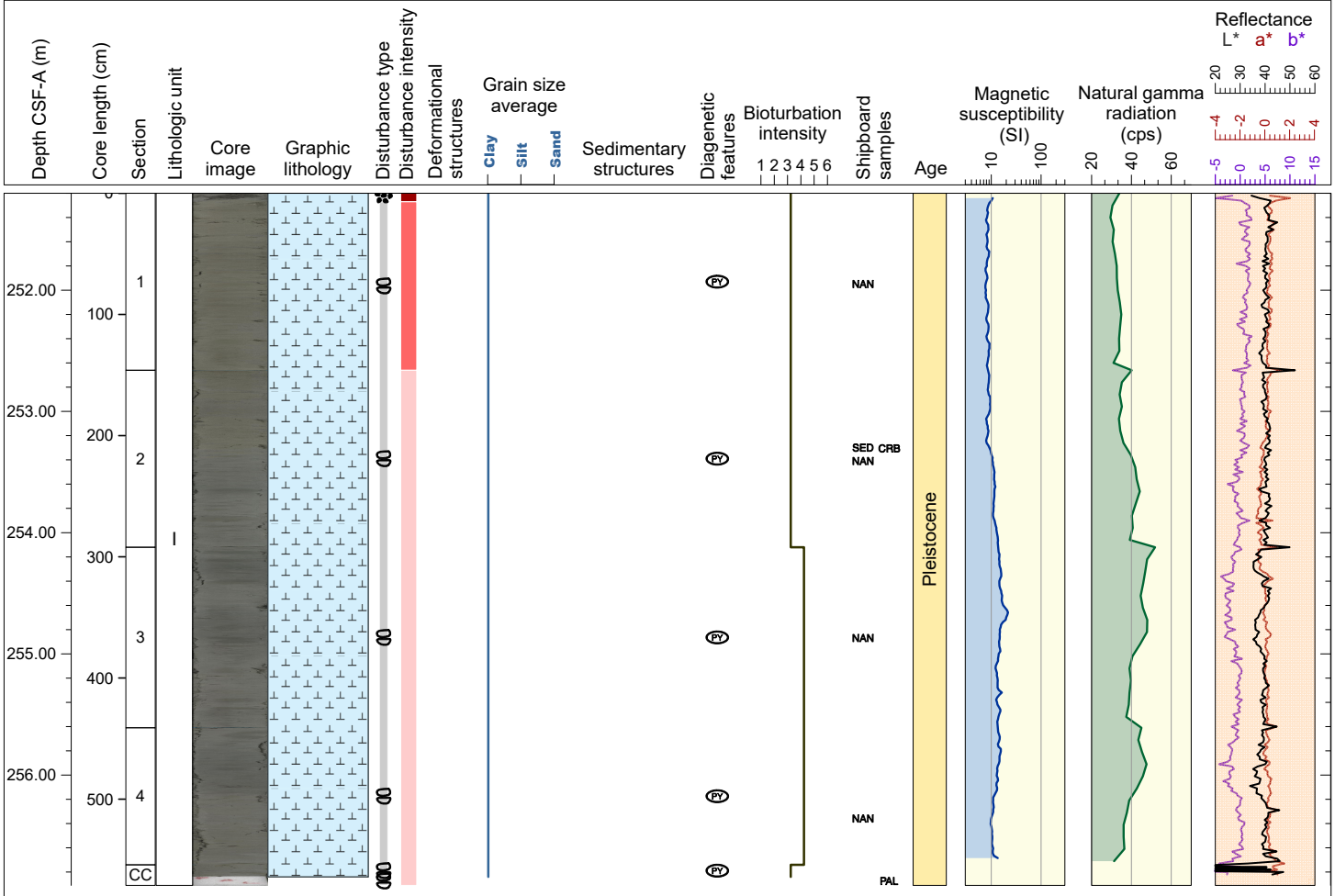
Hole 397-U1588A Core 30X, Interval 246.3-252.84 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small carbonate sand/shell fragments are disseminated throughout. Pyrite nodules occur in sections 1-5. Bioturbation is moderate throughout, and trace fossils including Chondrites, Thalassinoides, and Planolites (and Zoophycos?) are evident in each section. A macrofossil shell is observed at 139-140 cm in Section 1. Top 30 cm in Section 1 is strongly disturbed by gas expansion, while the remaining core is moderately disturbed by gas expansion and biscuiting.



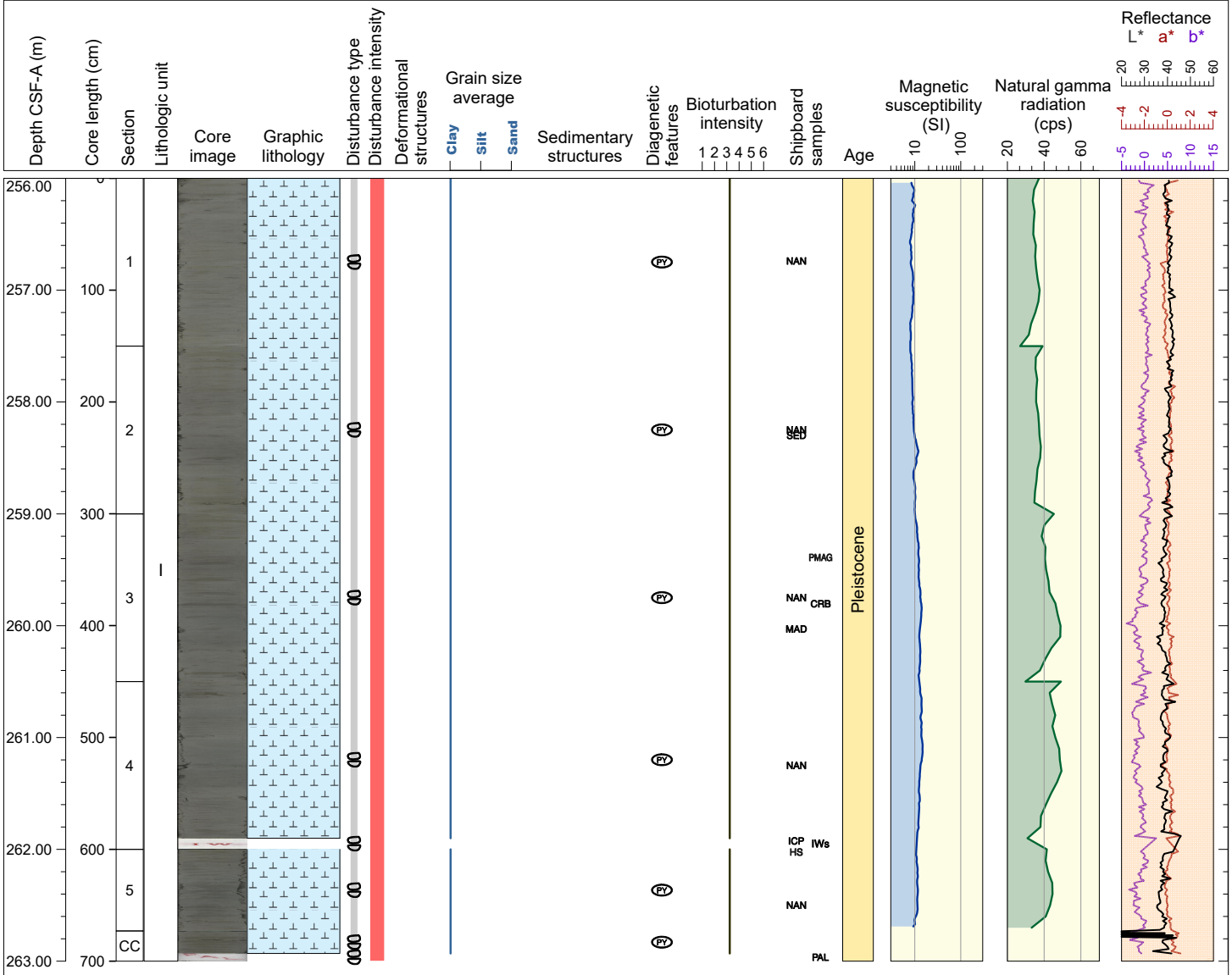
Hole 397-U1588A Core 31X, Interval 251.2-256.91 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small carbonate sand/shell fragments are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is slight in Sections 1, 2 and CC, and moderate in Sections 3 and 4, and trace fossils including Chondrites, Thalassinoides, and Planolites are observed in the core. Top 7 cm in Section 1 is severely disturbed by fall-in, and 7-146 cm of Section 1 is moderately disturbed by biscuiting, while the remaining core is slightly disturbed by biscuiting.



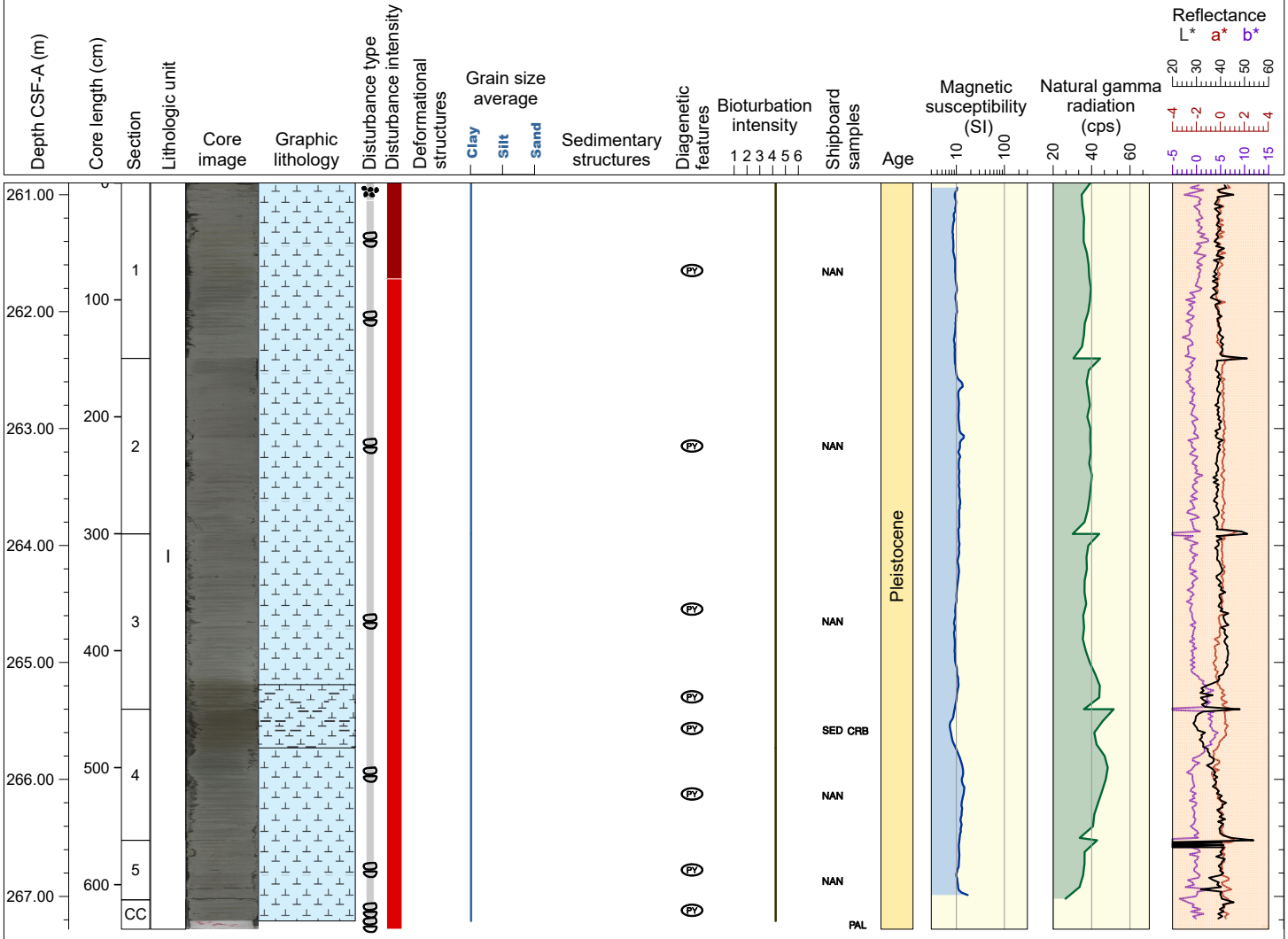
Hole 397-U1588A Core 32X, Interval 256.0-263.0 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small carbonate sand/shell fragments are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is slight throughout, and trace fossils including Chondrites, Thalassinoides, and Planolites are observed in the core. The core is moderately disturbed by biscuiting throughout.



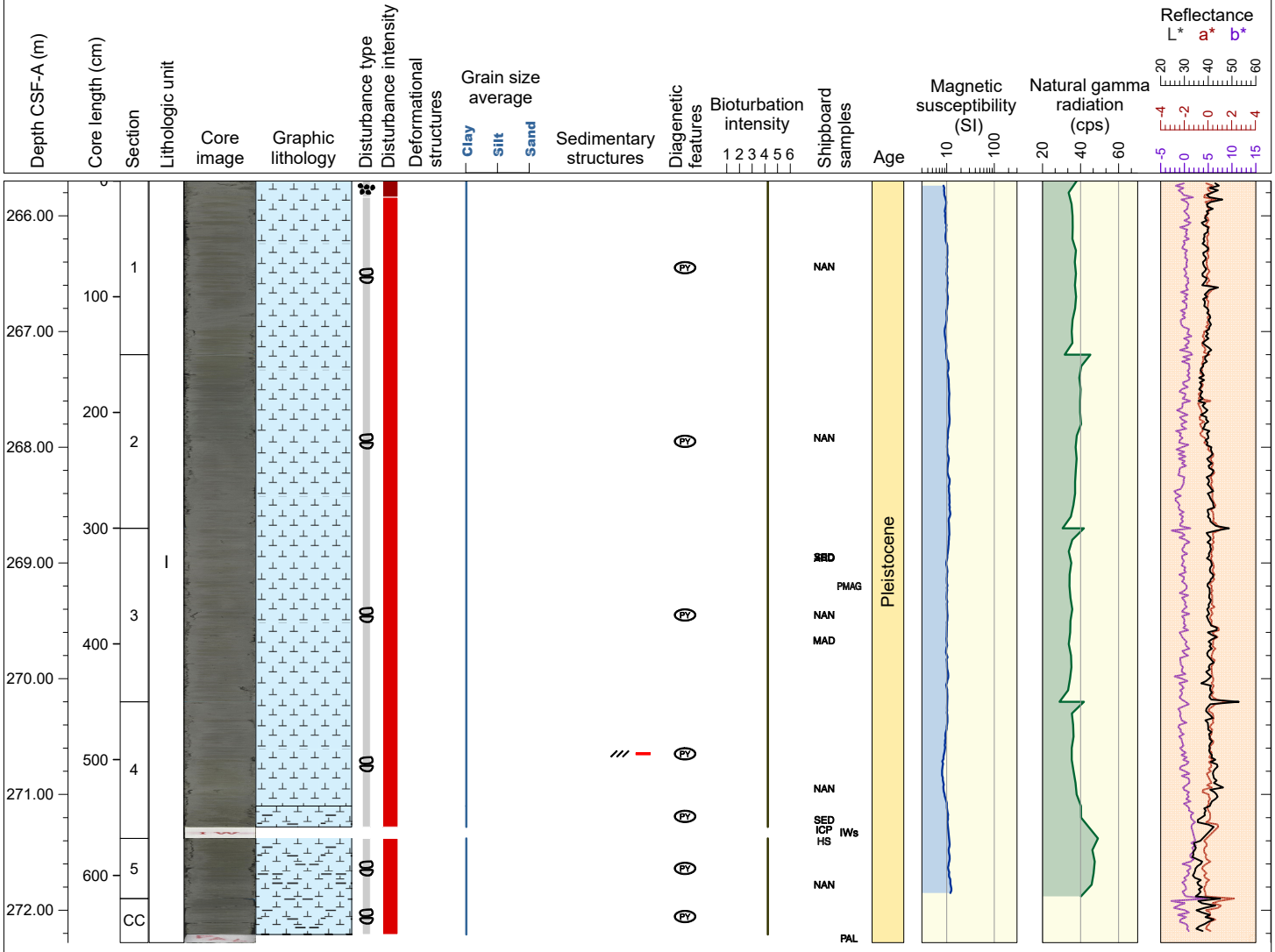
Hole 397-U1588A Core 33X, Interval 260.9-267.28 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY and CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small carbonate sand/shell fragments are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils including Chondrites, Thalassinoides, and Planolites are observed in the core. Top 15 cm of Section 1 is severely disturbed by fall-in, 15-82 cm in Section 1 is severely disturbed by biscuiting, and the rest of the core is strongly disturbed by biscuiting.



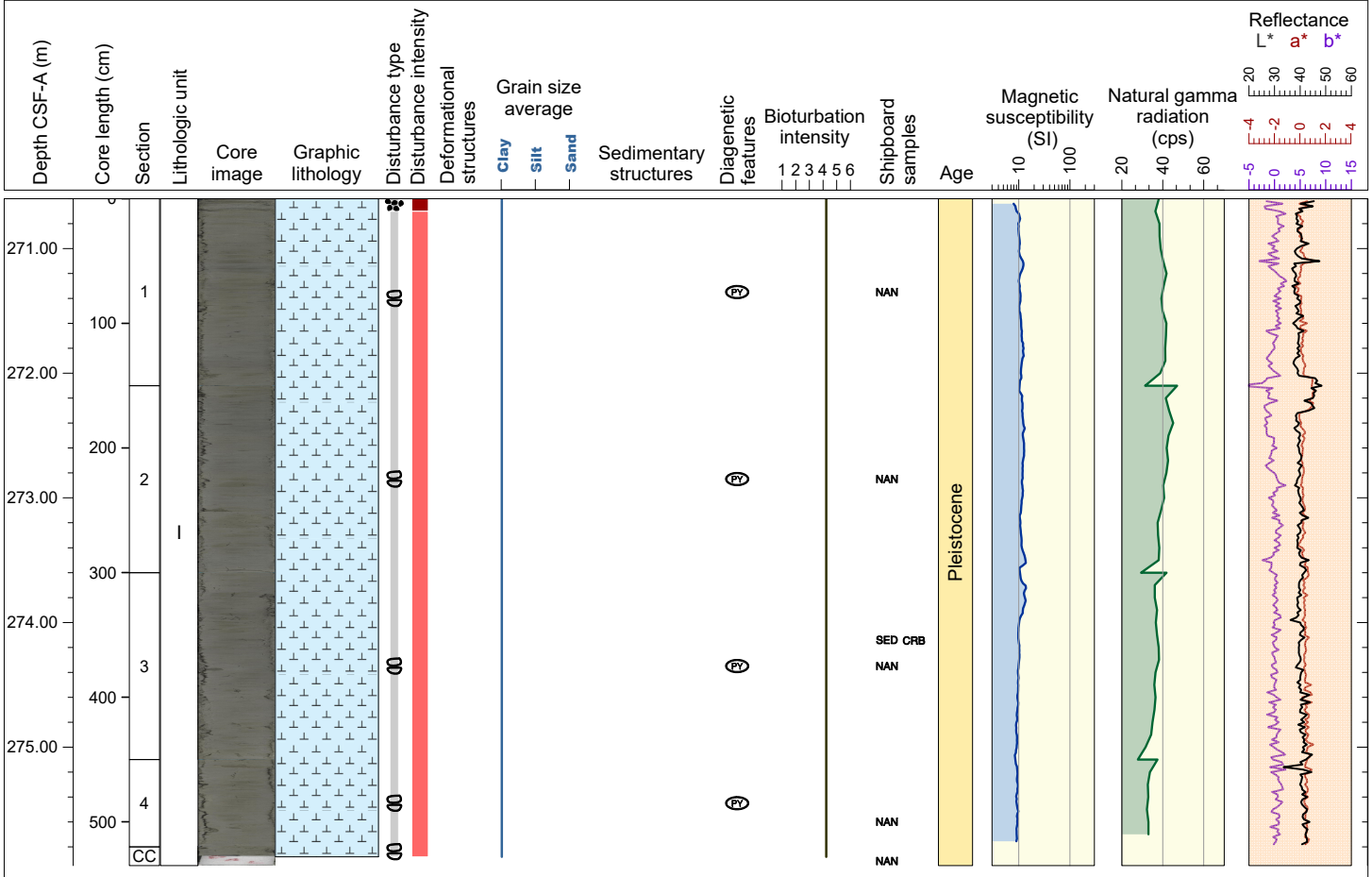
Hole 397-U1588A Core 34X, Interval 265.7-272.28 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY and CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small carbonate sand/shell fragments are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils including Chondrites and Thalassinoides are observed in the core. Top 14 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is strongly disturbed by biscuiting.



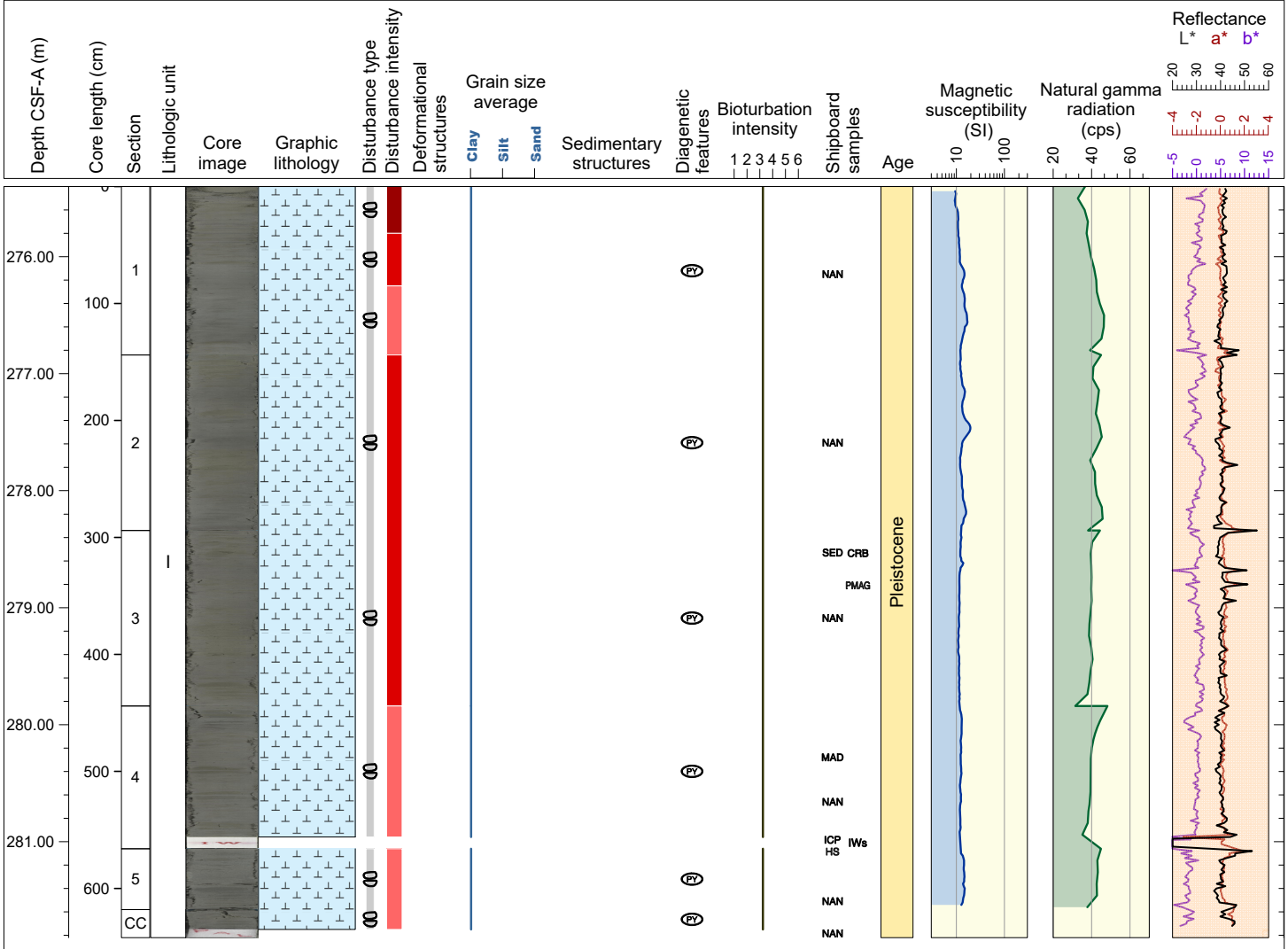
Hole 397-U1588A Core 35X, Interval 270.6-275.95 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small carbonate sand/shell fragments are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils including Chondrites and Thalassinoides are observed in the core. Top 10 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



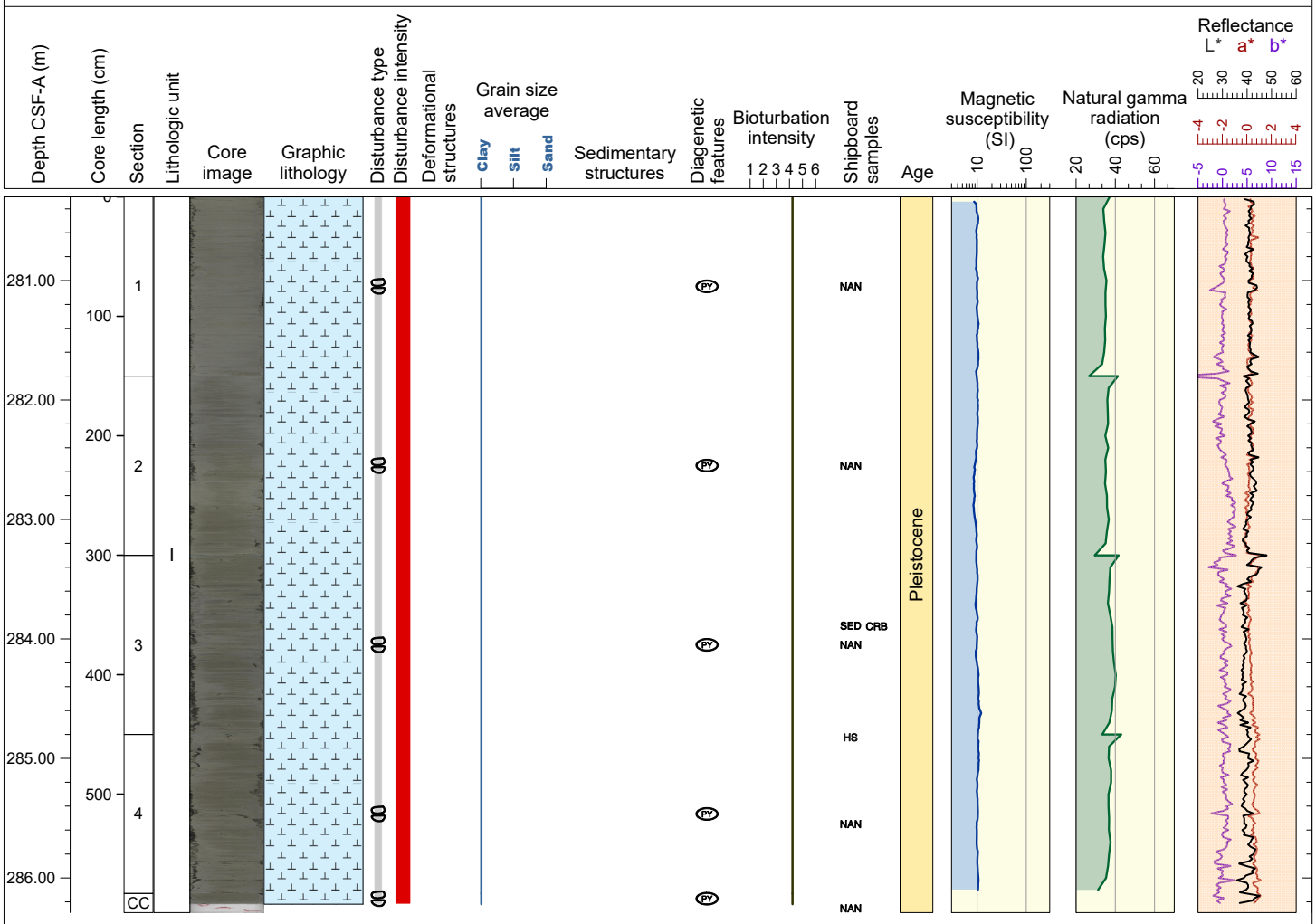
Hole 397-U1588A Core 36X, Interval 275.4-281.82 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small carbonate sand/shell fragments are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is slight throughout, and trace fossils including Chondrites, Thalassinoides, and Planolites are observed in the core. Top 40 cm of Section 1 is severely disturbed by biscuiting, 40-85 of Section 1 and Sections 2 and 3 are strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



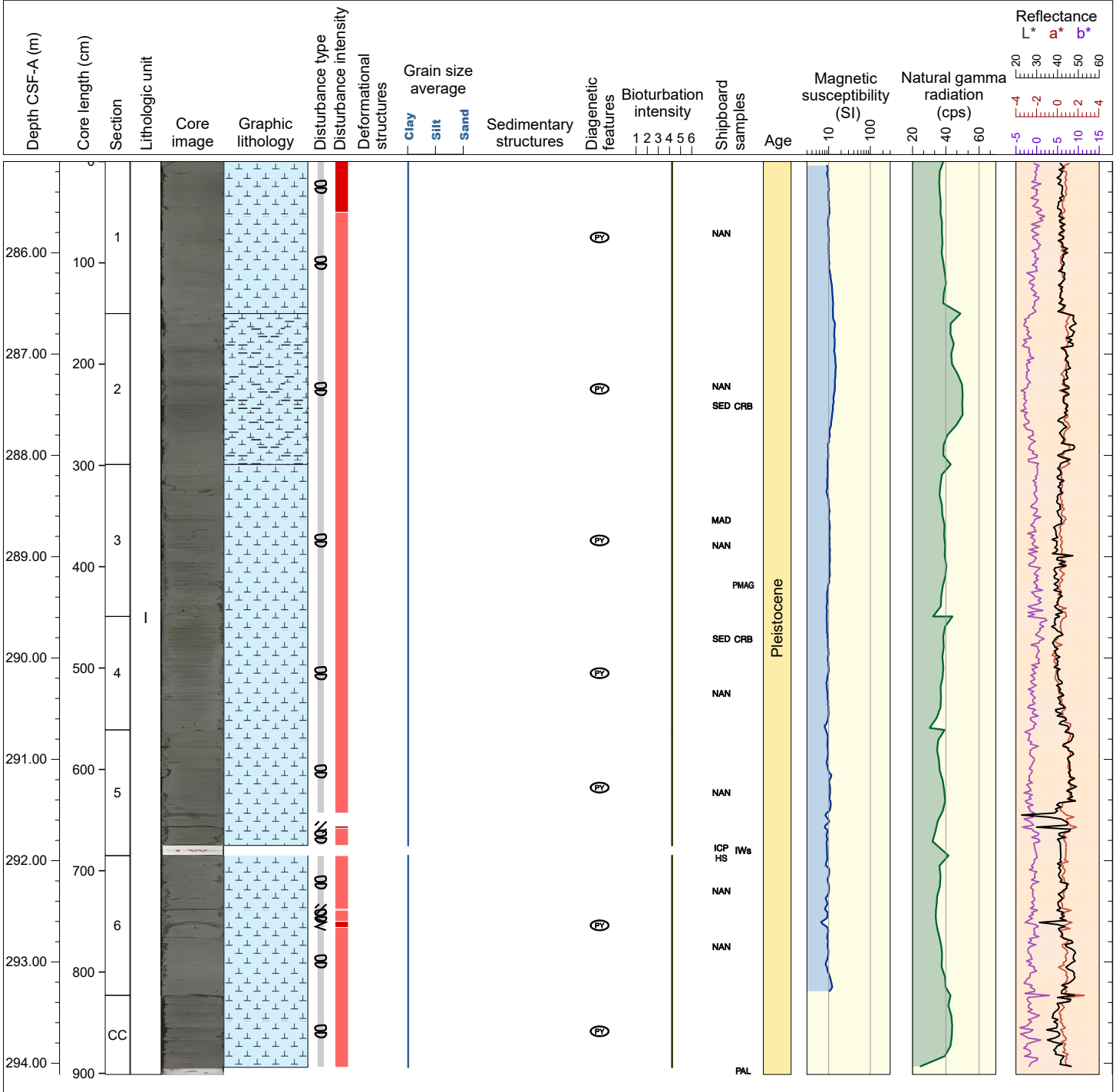
Hole 397-U1588A Core 37X, Interval 280.3-286.29 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small carbonate sand/shell fragments are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils including Chondrites and Thalassinoides are observed in the core. The core is strongly disturbed by biscuiting throughout.



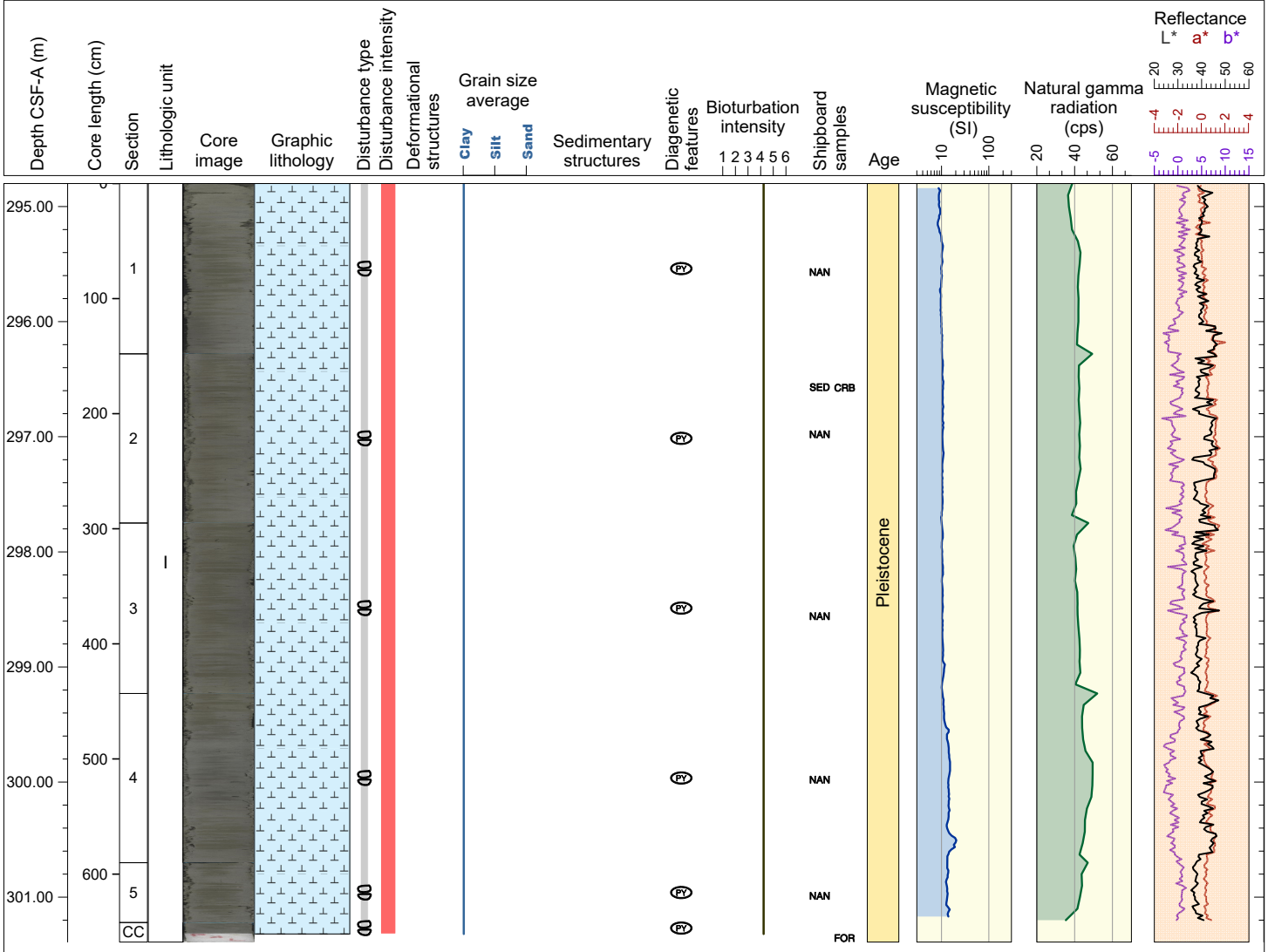
Hole 397-U1588A Core 38X, Interval 285.1-294.11 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY and CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils including Chondrites, Planolites and Thalassinoides are observed in the core. The core is moderately to severely disturbed by biscuiting throughout, with some gas expansion cracks in the CC.



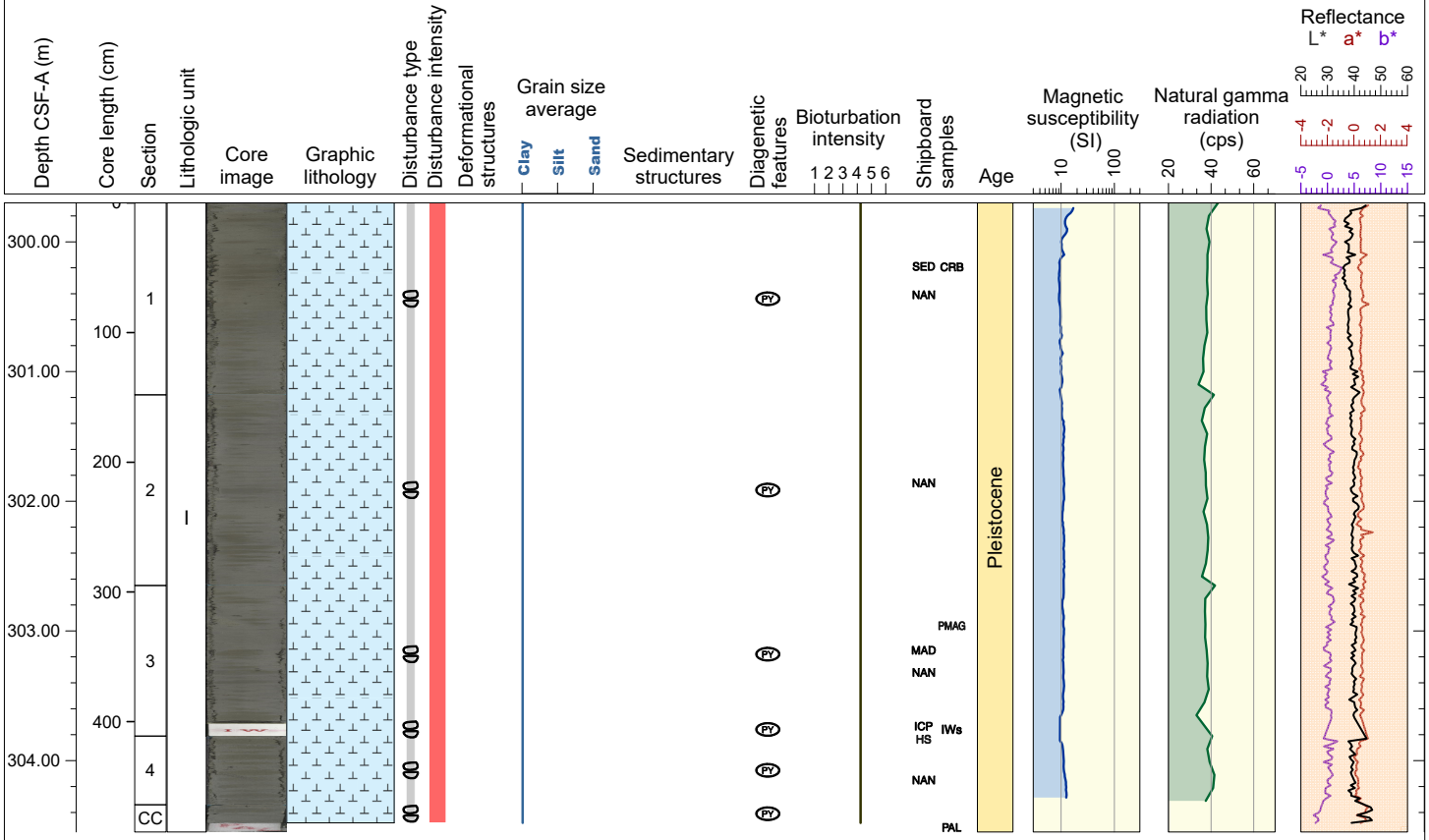
Hole 397-U1588A Core 39X, Interval 294.8-301.39 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and the trace fossil Chondrites is observed in the core. A shell fragment is observed at 21cm in Section 5. The core is moderately disturbed by biscuiting throughout.



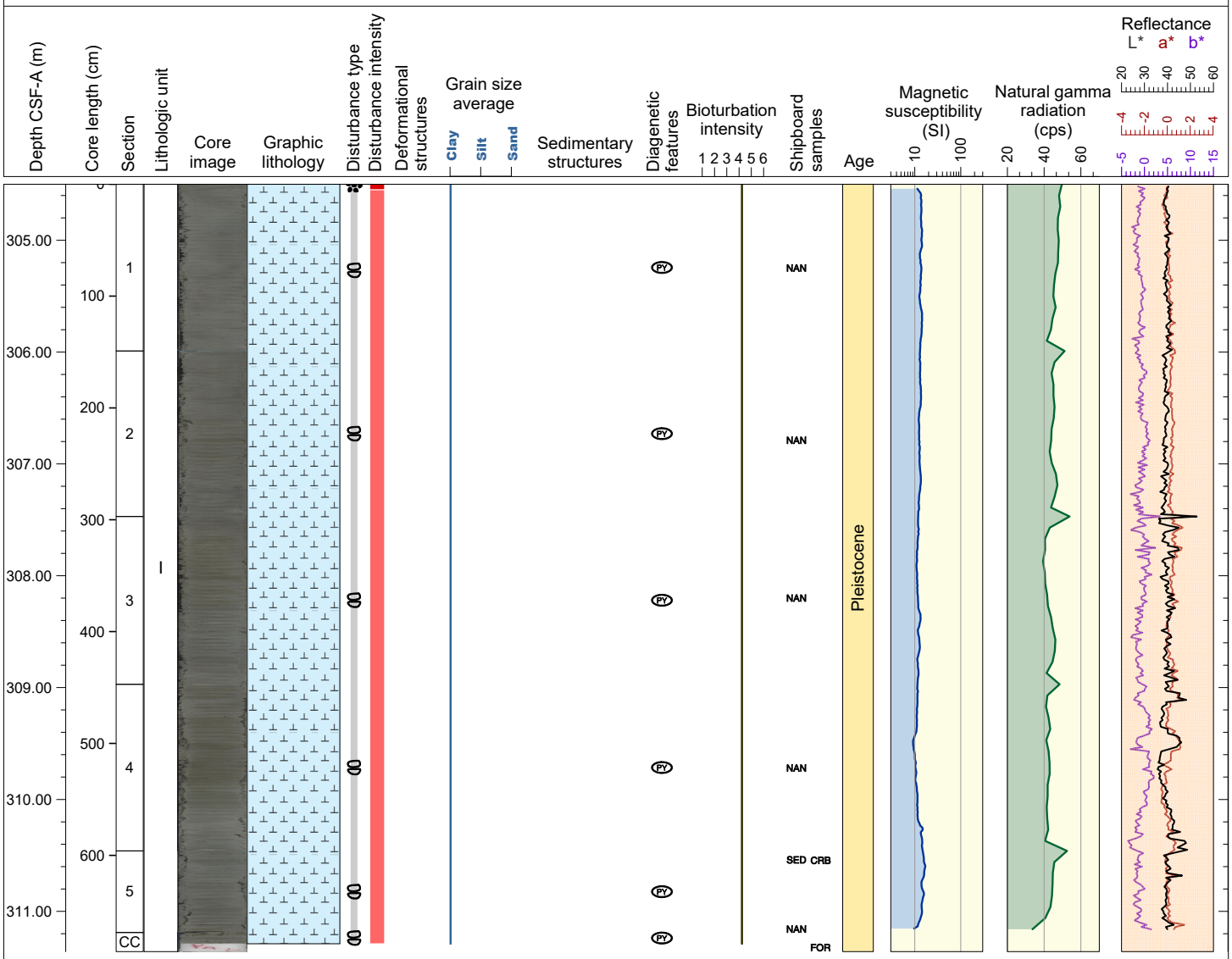
Hole 397-U1588A Core 40X, Interval 299.7-304.55 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout. Shell fragments are observed in Sections 2-4 and CC. The core is moderately disturbed by biscuiting throughout.



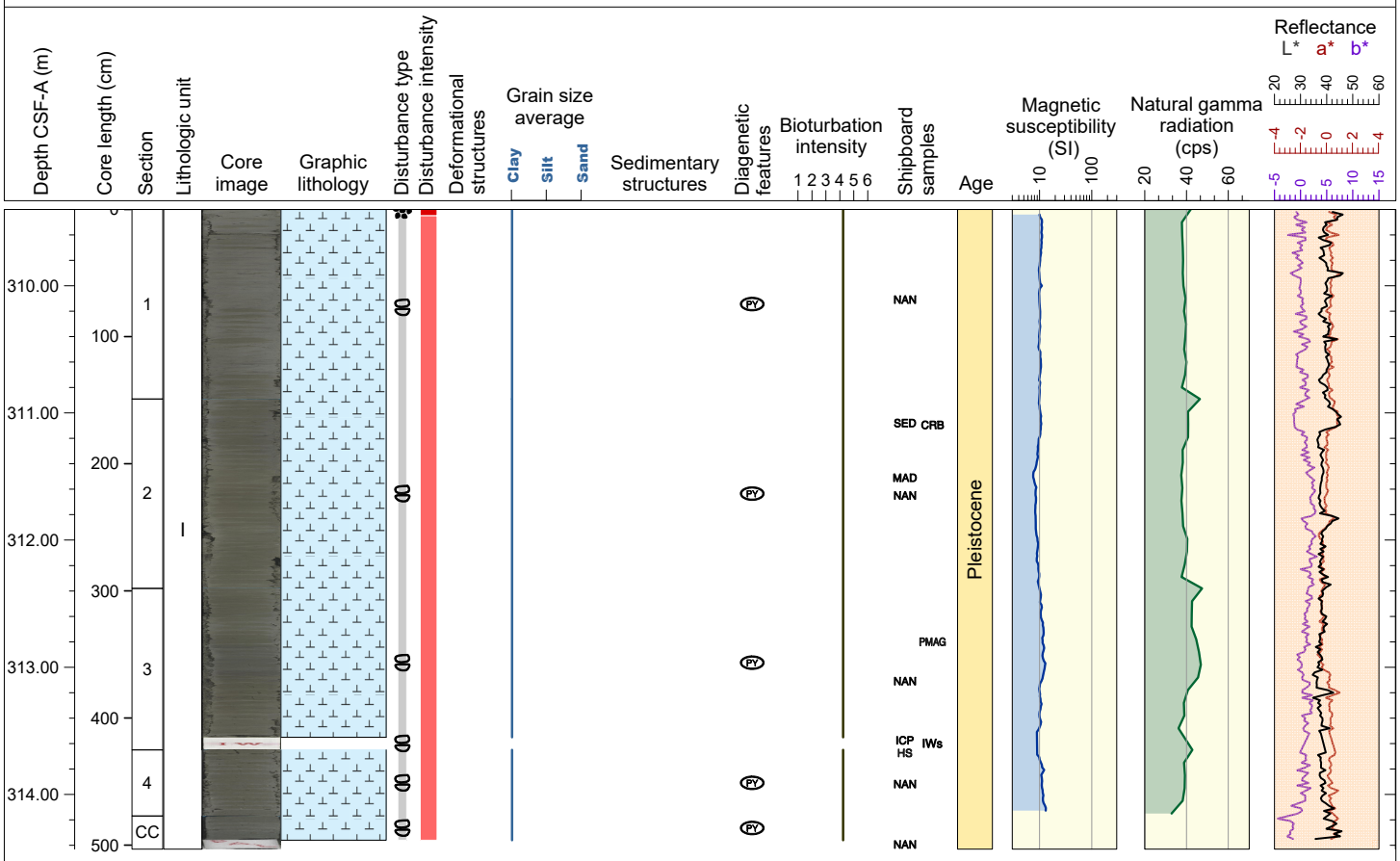
Hole 397-U1588A Core 41X, Interval 304.5-311.36 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils Chondrites and Thalassinoides are observed in the core. Shell fragments are observed in Sections 1-3. There is strongly disturbed fall-in at 0-5cm in Section 1, and the core is moderately disturbed by biscuiting throughout.



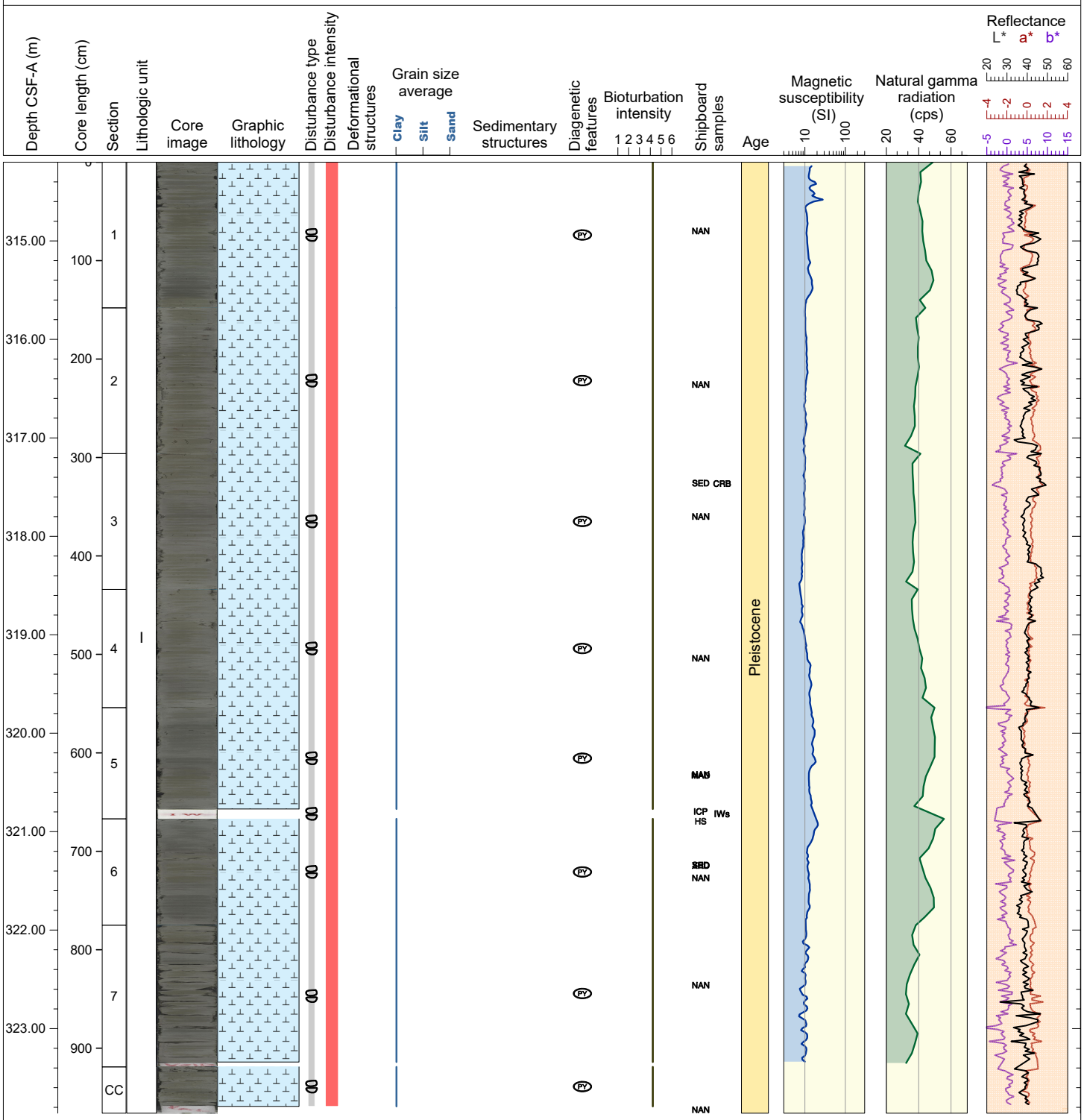
Hole 397-U1588A Core 42X, Interval 309.4-314.43 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils Chondrites and Thalassinoides are observed in the core. Shell fragments are observed in Sections 1 and CC. There is strongly disturbed fall-in at 0-5cm in Section 1, and the core is moderately disturbed by biscuiting throughout.



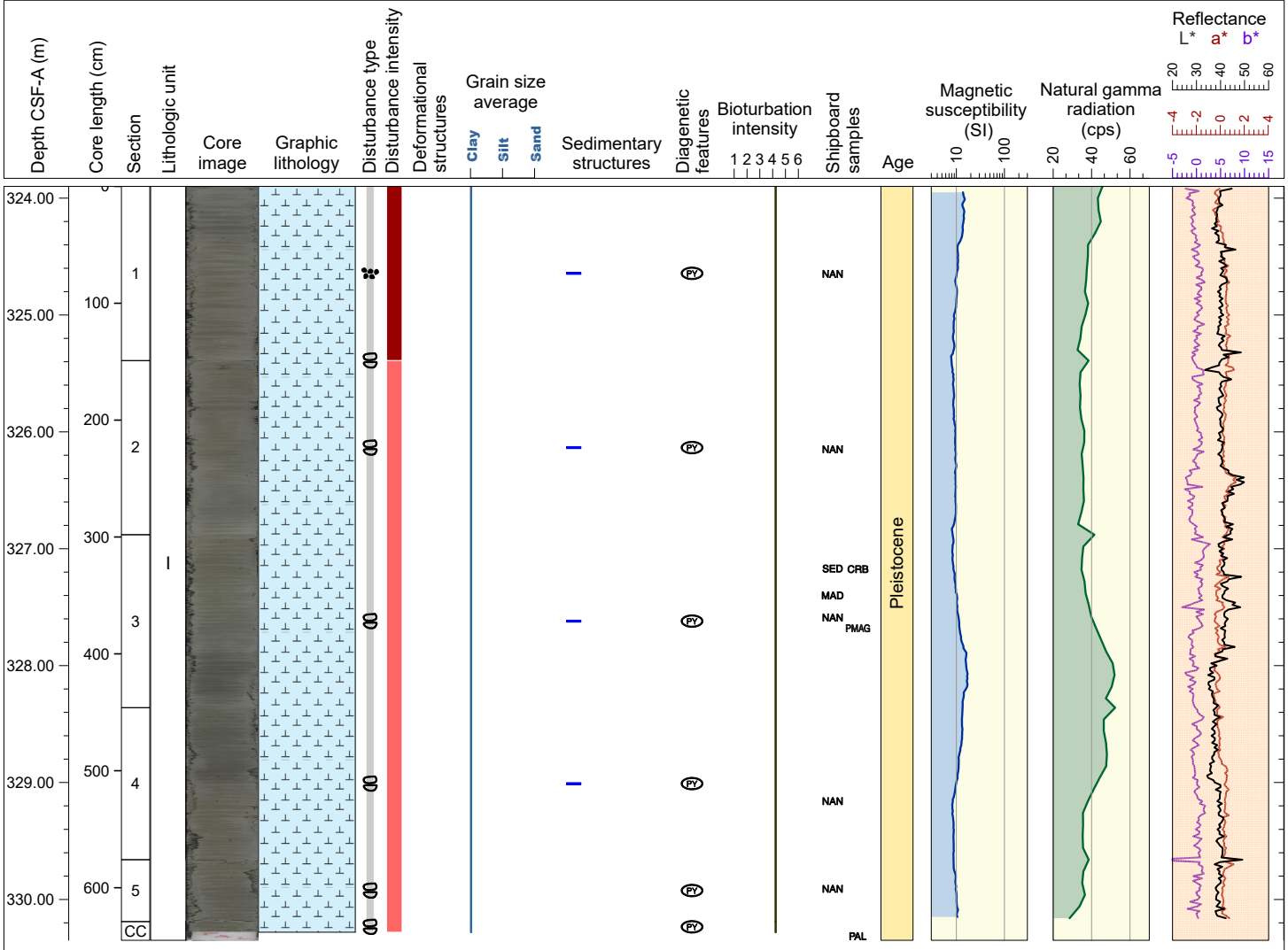
Hole 397-U1588A Core 43X, Interval 314.2-323.86 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils Chondrites, Planolites, and Thalassinoides are observed in the core. Shell fragments are observed in Sections 2, 3, 5 and CC. The core is moderately disturbed by biscuiting throughout, and gas expansion caused section 7 to explode out of the liner, where the sediment pieces were replaced with some uncertainty about their original orientation.



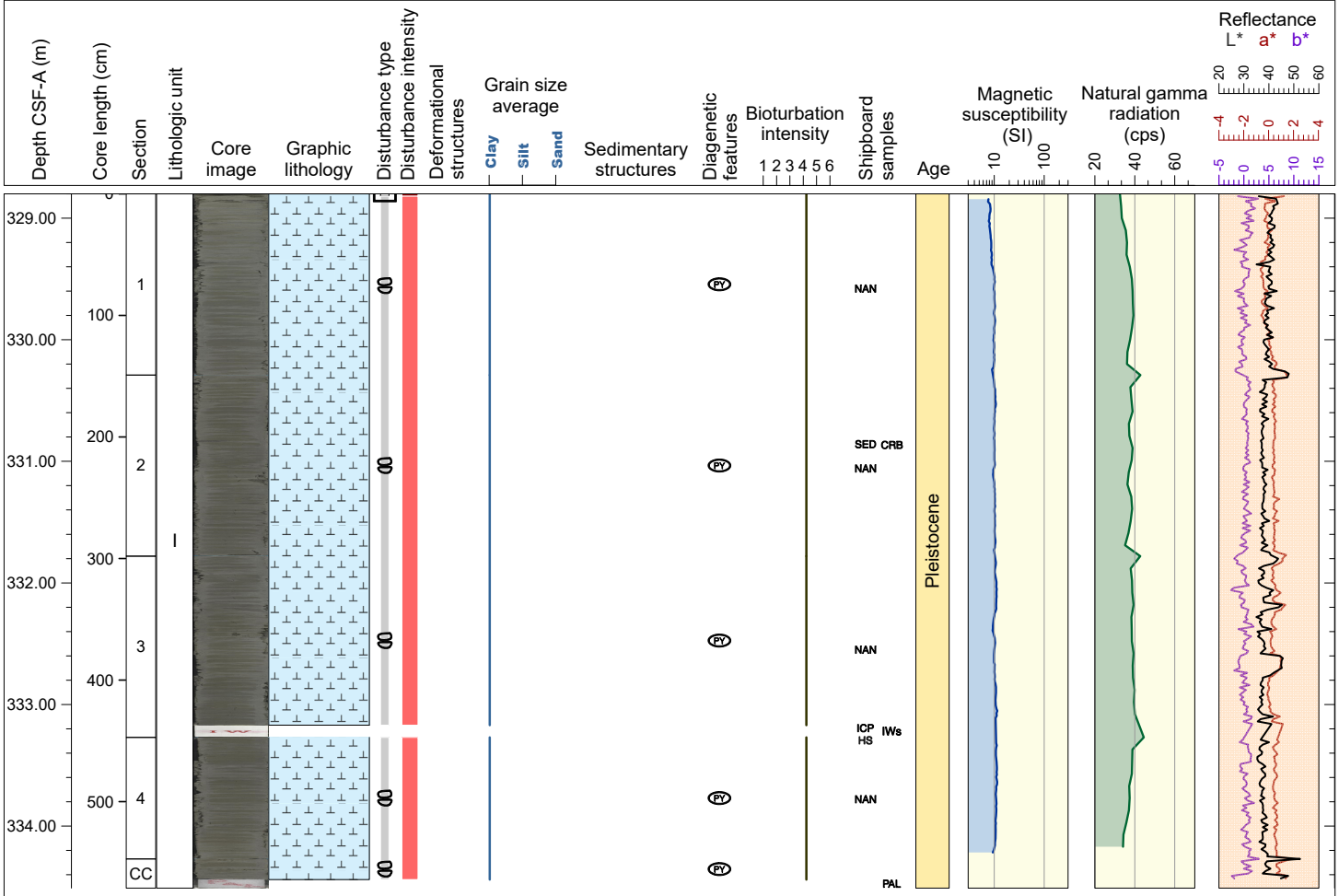
Hole 397-U1588A Core 44X, Interval 323.9-330.35 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Color bands occur in Sections 1-4. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils including Chondrites, Planolites, Thalassinoides and Zoophycus are observed in the core. A shell fragment occurs at 4cm in Section 5. There is severely disturbed fall-in at 0-2 cm in Section 1, and the core is moderately disturbed by biscuiting throughout.



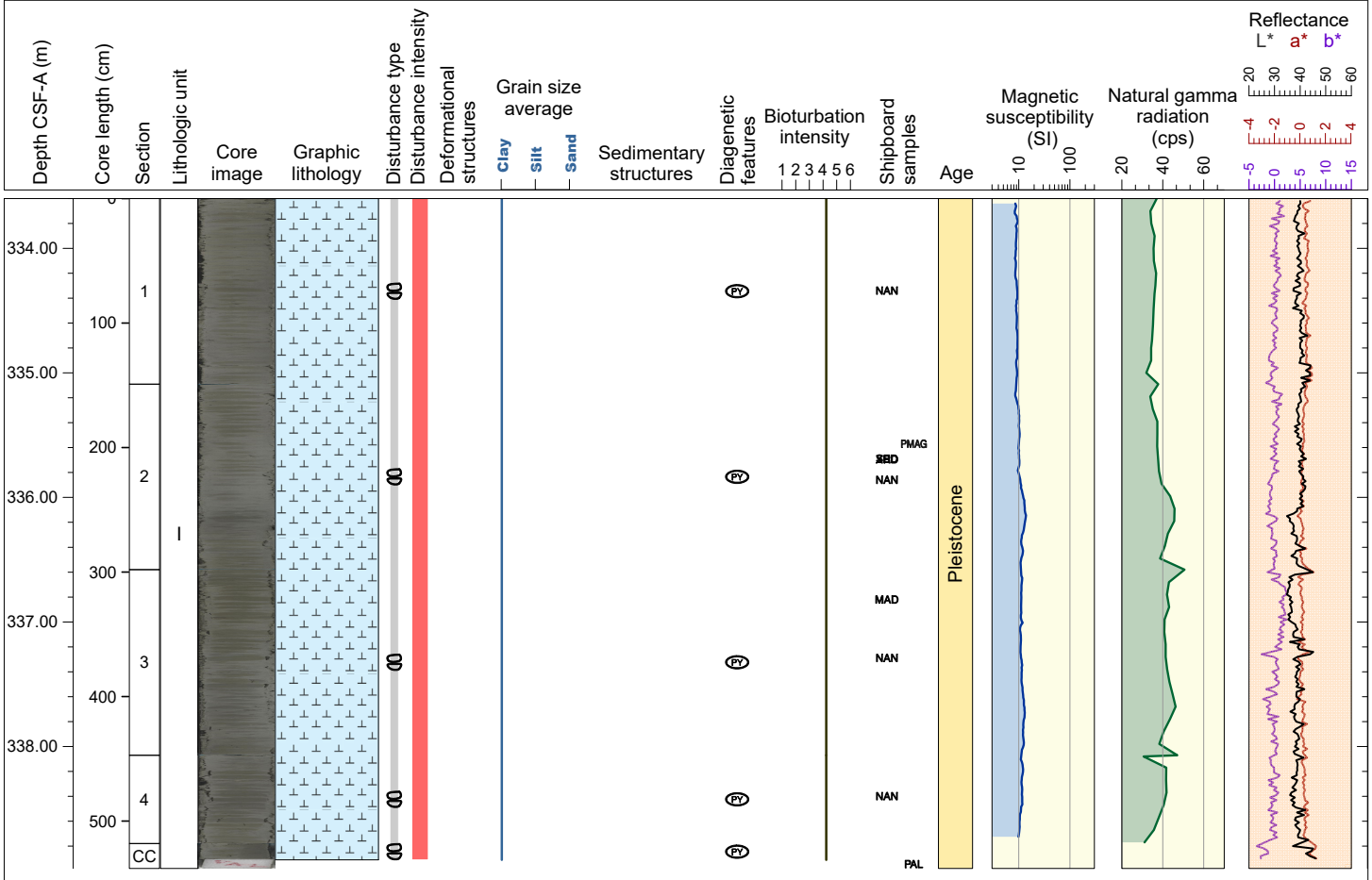
Hole 397-U1588A Core 45X, Interval 328.8-334.51 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Color bands occur in Sections 1-4. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils including Chondrites, Planolites, Thalassinoides and Zoophycus are observed in the core. A shell fragment occurs at 4cm in Section 5. There is a severely disturbed void at 0-2 cm in Section 1, and the core is moderately disturbed by biscuiting throughout.



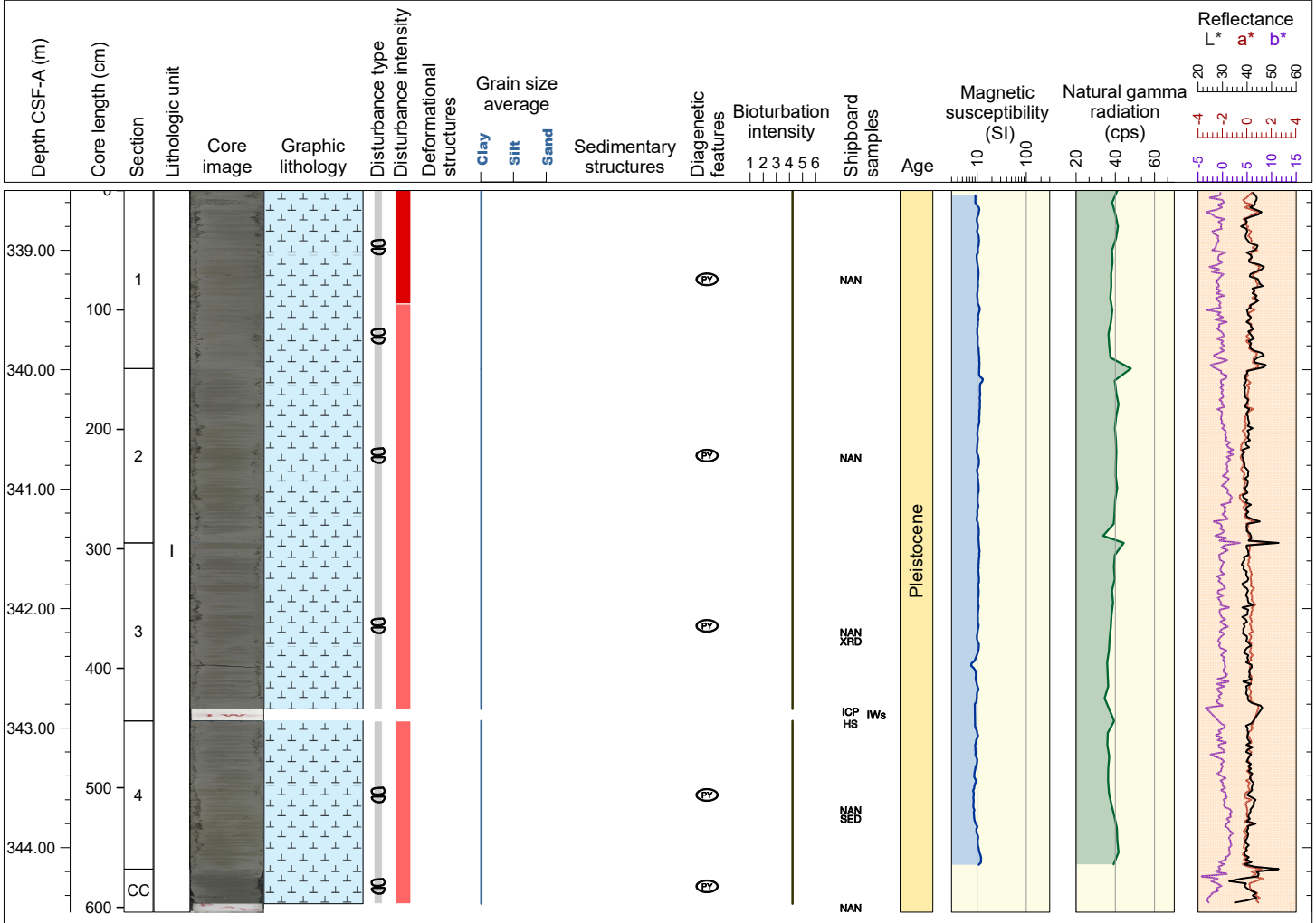
Hole 397-U1588A Core 46X, Interval 333.6-338.98 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils including Chondrites and Thalassinoides are observed in the core. Shell fragments occur in Sections 2-4 and CC. The core is moderately disturbed by biscuiting throughout.



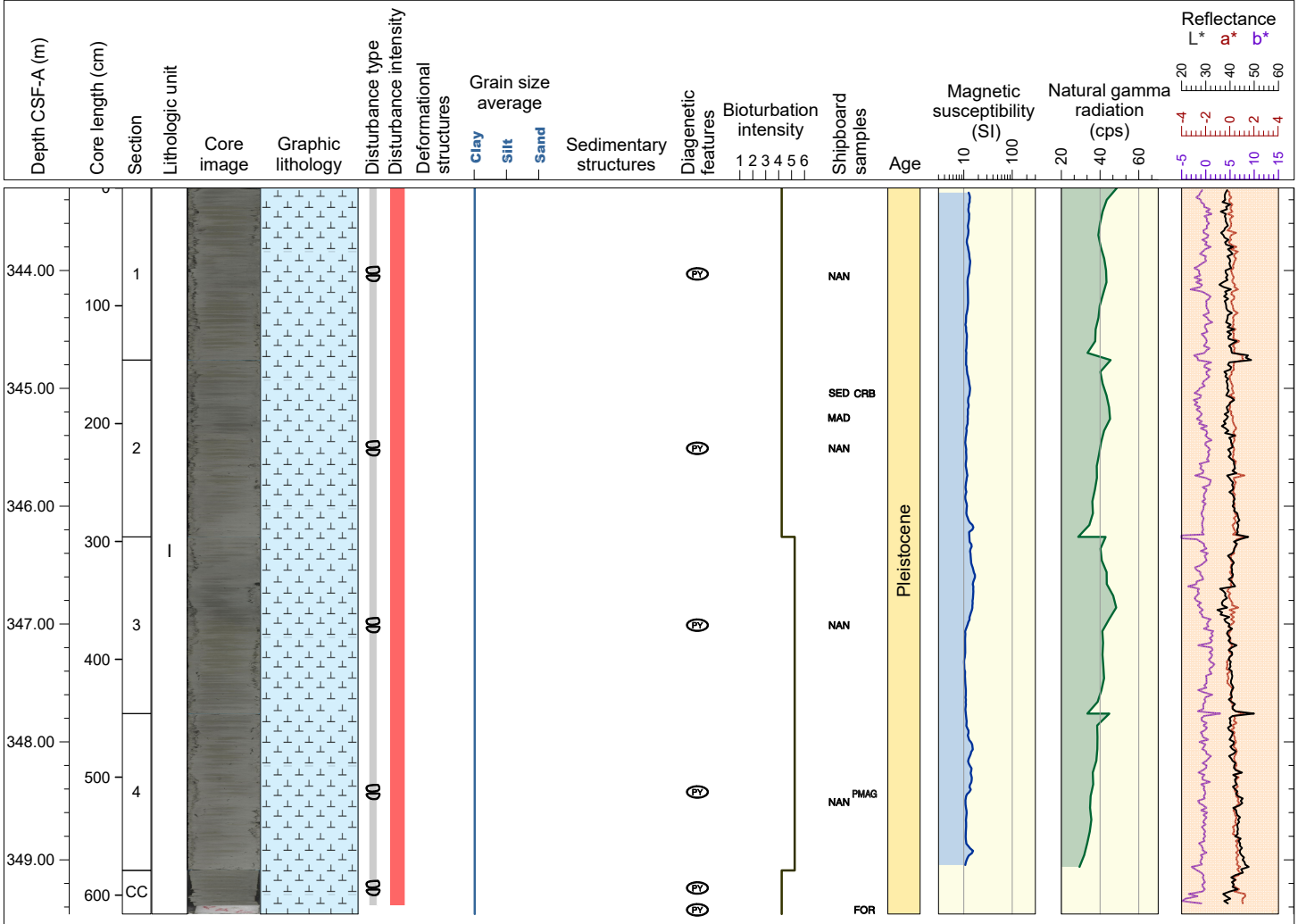
Hole 397-U1588A Core 47X, Interval 338.5-344.54 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils including Chondrites and Thalassinoides are observed in the core. Shell fragments occur in Sections 1, 3, 4 and CC. The core is strongly disturbed by biscuiting at 0-95 cm in Section 1 and moderately disturbed by biscuiting throughout the rest of the core.



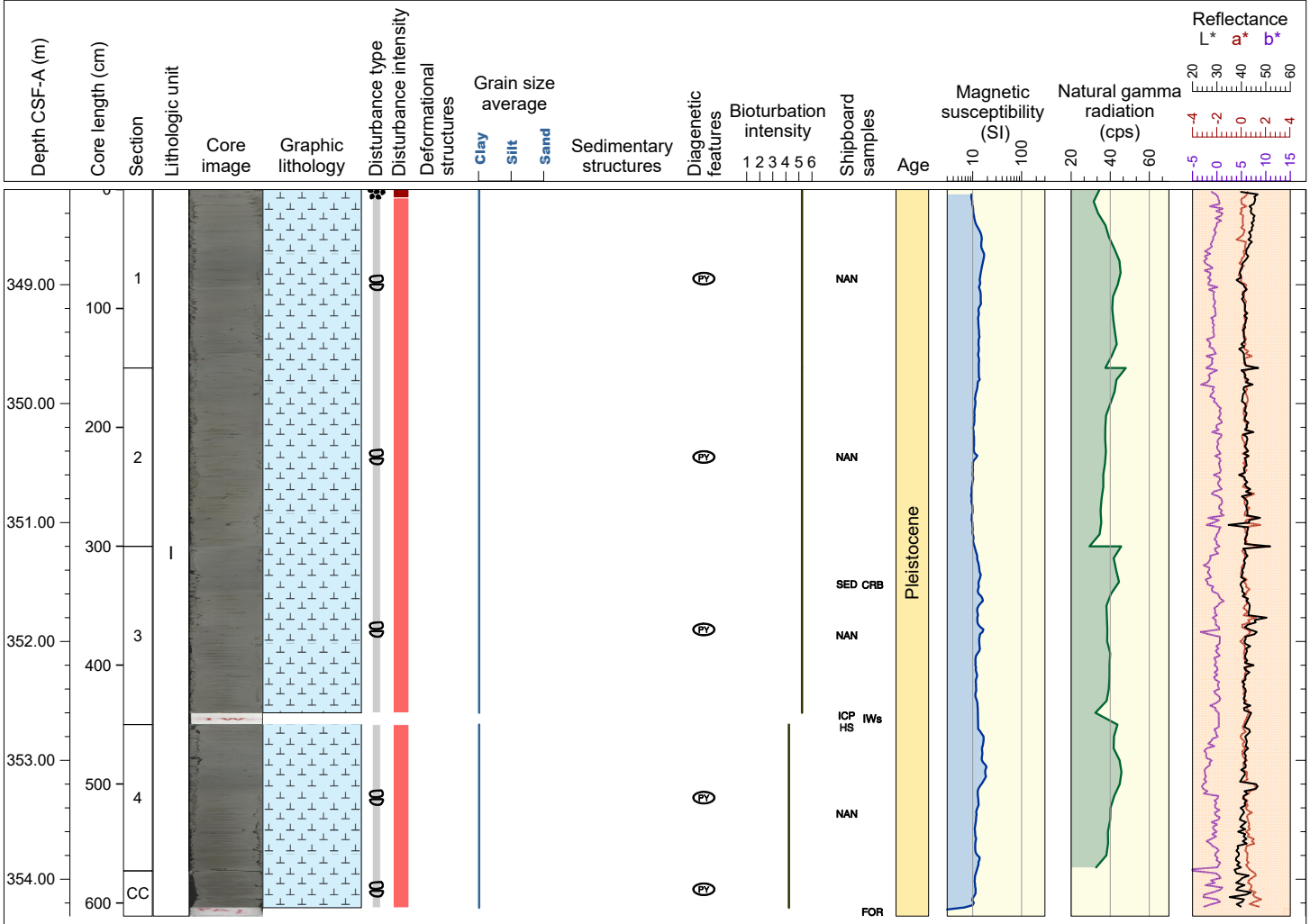
Hole 397-U1588A Core 48X, Interval 343.3-349.46 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is moderate throughout, and trace fossils including Chondrites, Planolites, and Thalassinoides are observed in the core. The trace fossil Ophiomorpha occurs in Section 4. A shell fragment occurs at 112 cm in Section 2. The core is moderately disturbed by biscuiting throughout.



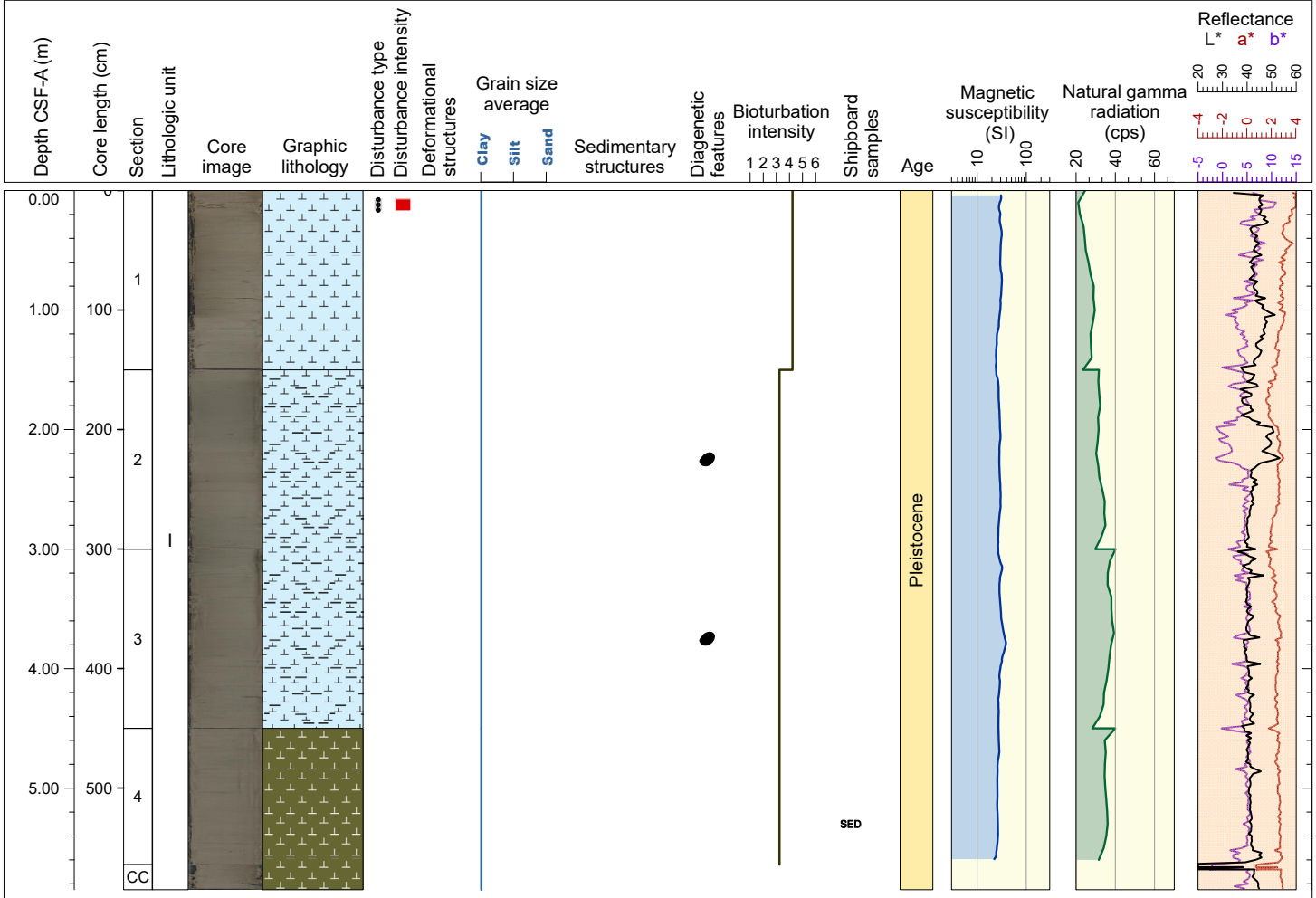
Hole 397-U1588A Core 49X, Interval 348.2-354.31 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite nodules occur in all sections. Bioturbation is heavy in Sections 1-3 and moderate in Section 4 and CC, with trace fossils including Chondrites, Planolites, and Thalassinoides observed in the core. There is severely disturbed fall-in at 0-7cm in Section 1 and the core is moderately disturbed by biscuiting throughout.



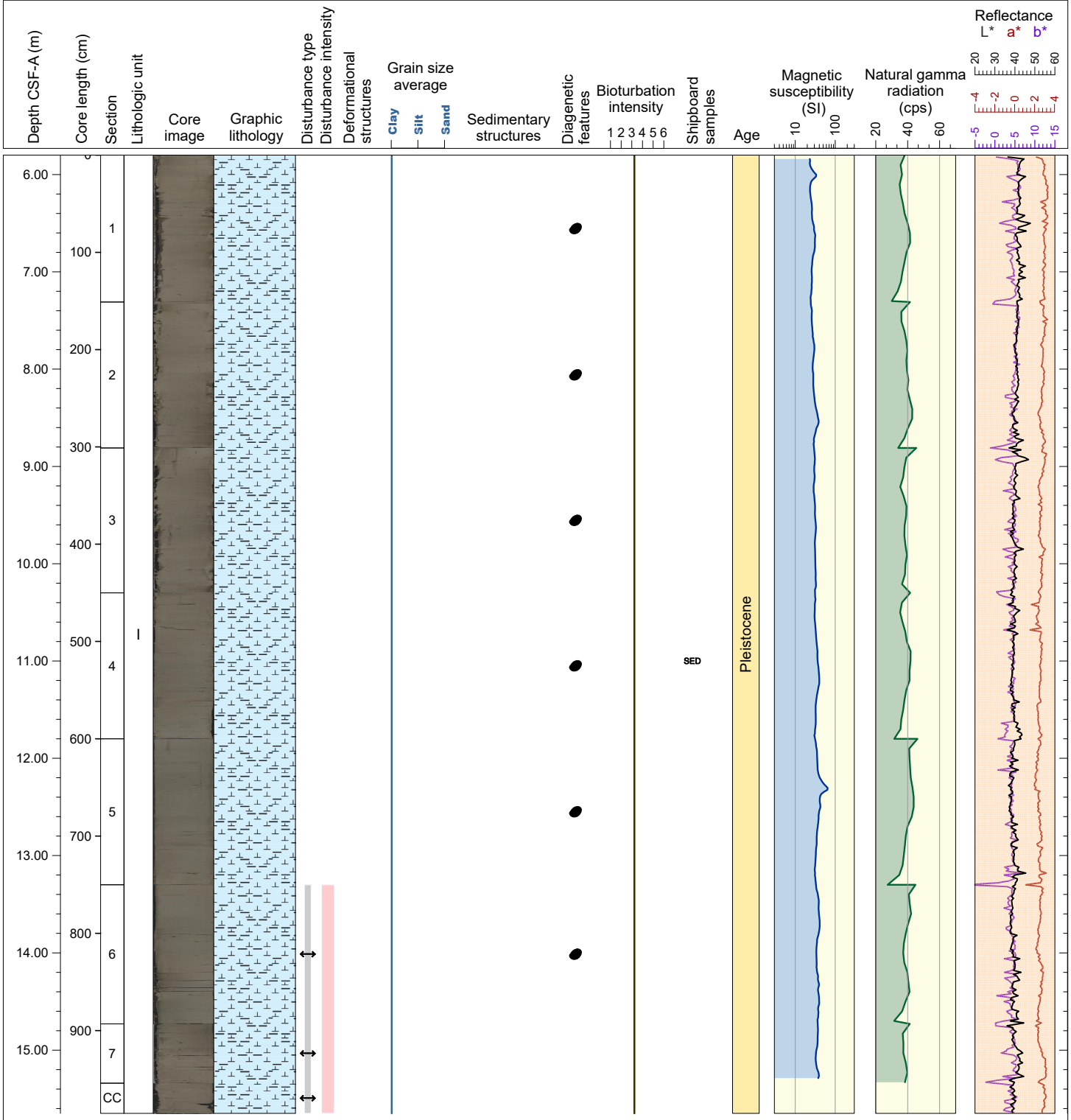
Hole 397-U1588B Core 1H, Interval 0.0-5.85 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY, CARBONATE NANNOFOSSIL OOZE WITH CLAY and CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. The uppermost 105cm in Section 1 is orange-brown due to redox changes. Subtle color changes mark gradational contacts between lithologies. Small dark patches occur in Sections 3 and 4. Bioturbation is slight to moderate, and trace fossils of Chondrites, Planolites, and Thalassinoides are observed. Section 1, 7-17 cm is strongly disturbed and soupy.



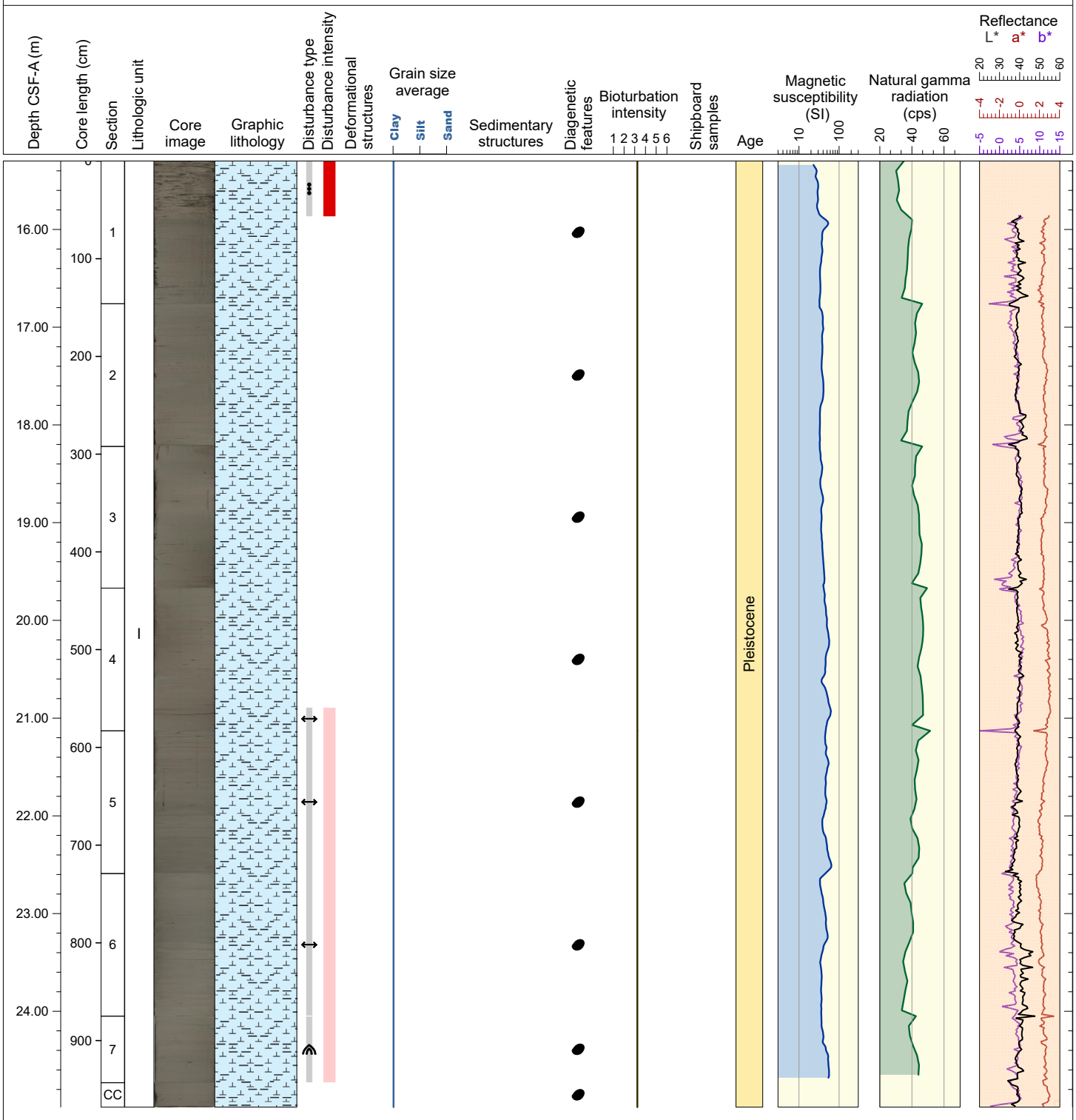
Hole 397-U1588B Core 2H, Interval 5.8-15.65 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Small black (pyrite) patches occur in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites and Thalassinoides observed in the core. Shell fragments at 126-134 cm in Section 2, and shells at 44 cm and 138 cm in Section 5 are observed. Sections 6, t and CC are slightly disturbed by gas expansion.



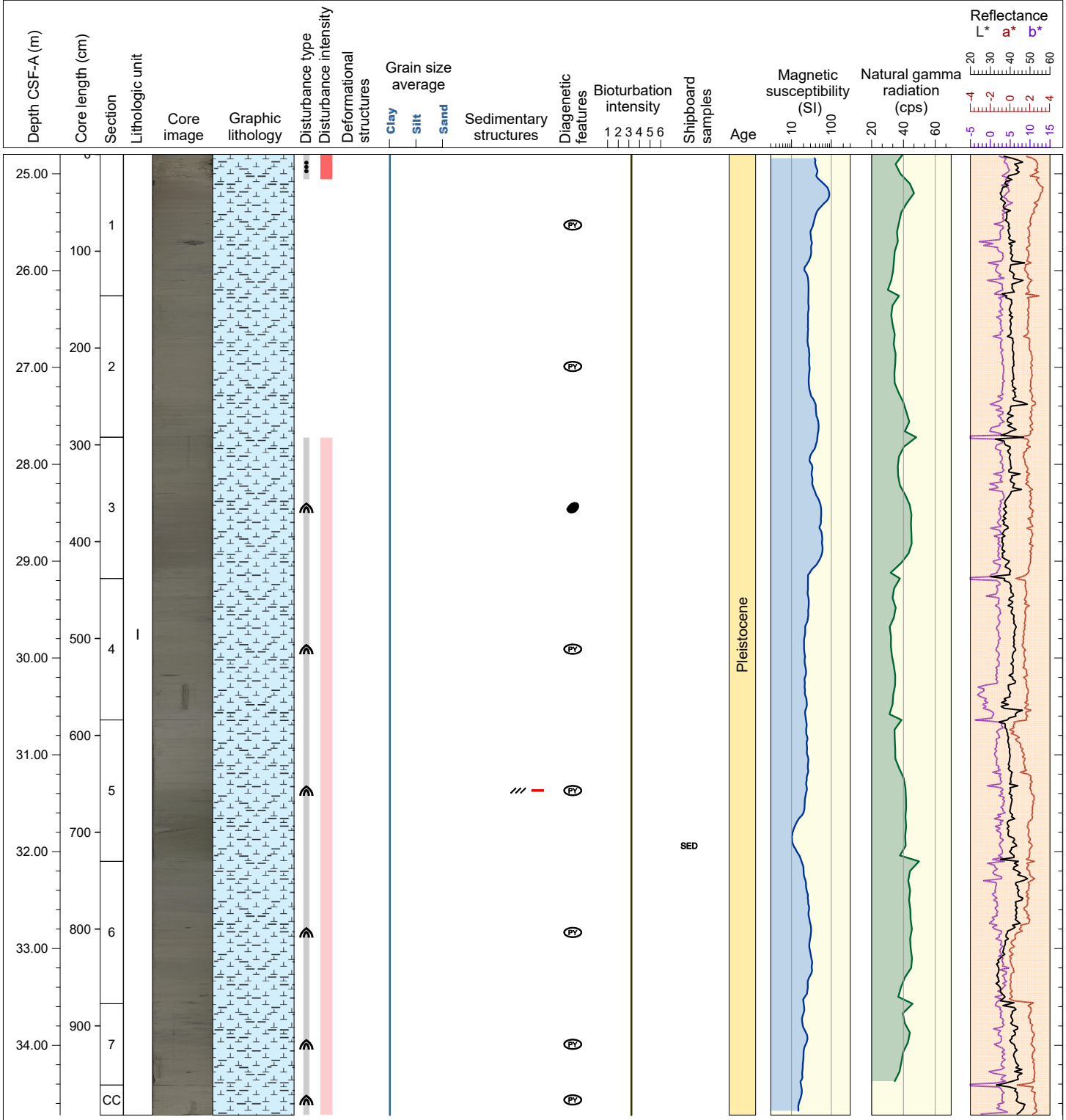
Hole 397-U1588B Core 3H, Interval 15.3-24.98 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera are disseminated throughout. Small pyrite grains occur in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites, and Thalassinoides observed in the core. A coral macrofossil (~3 cm) is seen at 33.5-36.5 cm in Section 1. Top 57 cm of Section 1 is strongly disturbed by soupy sediments, Sections 4-6 are slightly disturbed by gas expansion, and Section 7 is slightly disturbed by up-arching.



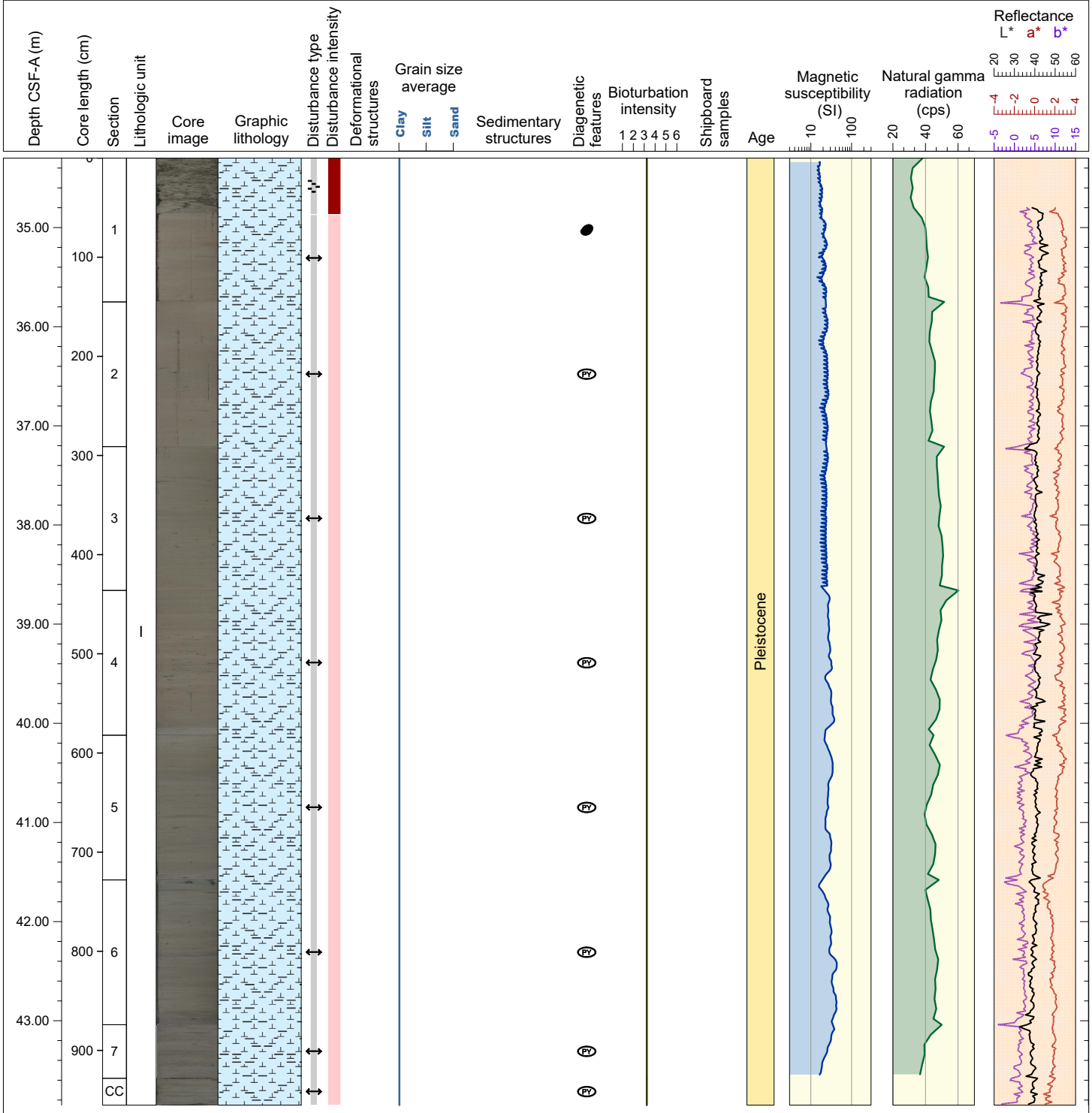
Hole 397-U1588B Core 4H, Interval 24.8-34.72 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Foraminiferal or other biogenic carbonates are disseminated throughout. Dark pyrite patches occur in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites, Thalassinoides and Zoophycos (only in Sections 3&4) observed in the core. Top 26 cm of Section 1 is strongly disturbed by soupy sediments, and remaining sections are slightly disturbed by up-arching.



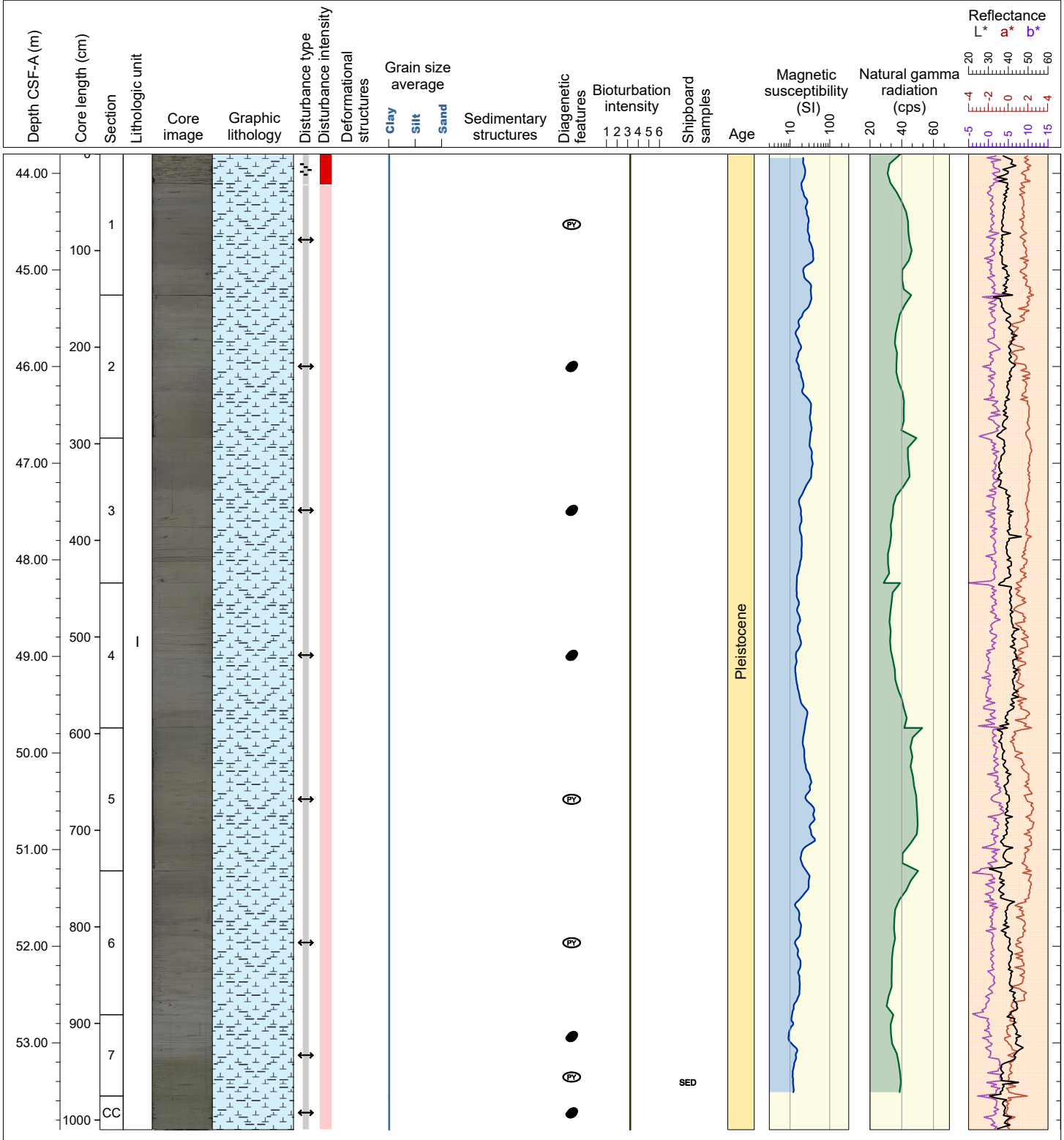
Hole 397-U1588B Core 5H, Interval 34.3-43.85 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Foraminiferal or other biogenic carbonates are disseminated throughout. Dark pyrite patches occur in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Thalassinoides, Planolites, and Zoophycos (only in Sections 6) observed in the core. Top 57 cm of Section 1 is severely disturbed by slurry sediments, and remaining sections are slightly disturbed by gas expansion.



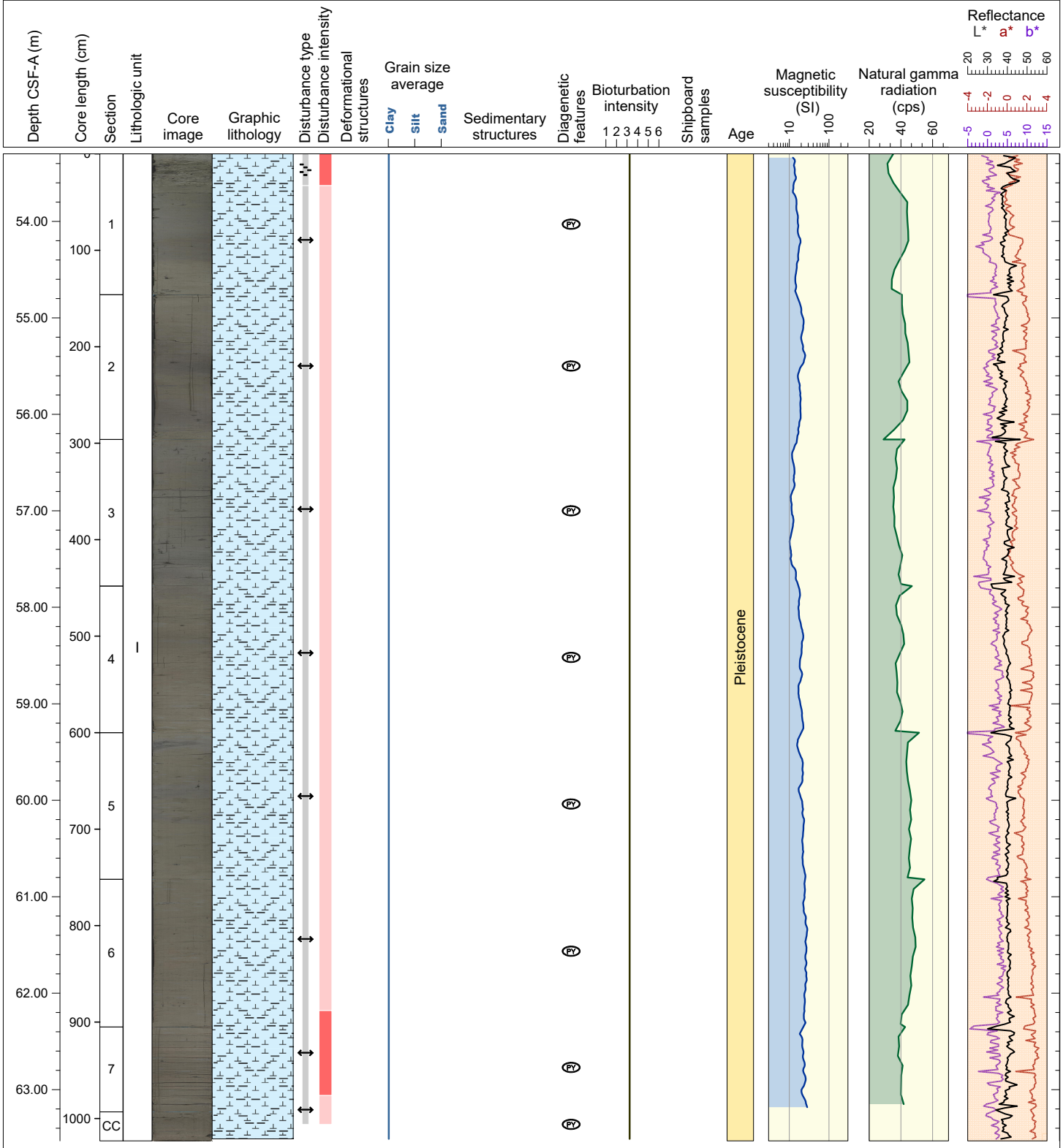
Hole 397-U1588B Core 6H, Interval 43.8-53.9 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Foraminiferal or other biogenic carbonates are disseminated throughout. Dark pyrite patches occur in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Thalassinoides, and Zoophycos observed in the core. Top 32 cm of Section 1 is severely disturbed by slurry sediments, and remaining sections are slightly disturbed by gas expansion.



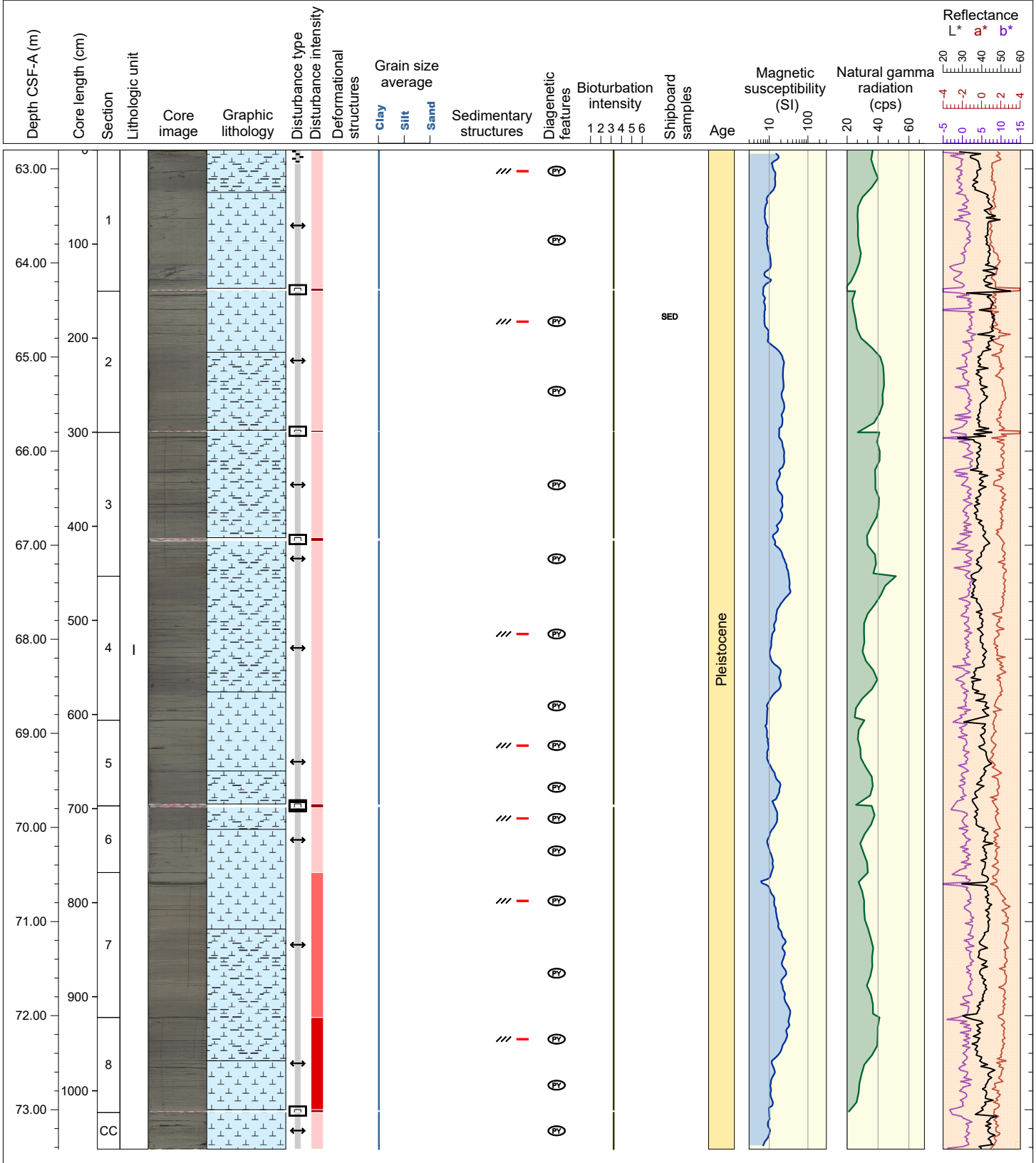
Hole 397-U1588B Core 7H, Interval 53.3-63.53 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Foraminiferal or other biogenic carbonates are disseminated throughout. Dark pyrite patches occur in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Thalassinoides, and Zoophycos observed in the core. Top 33 cm of Section 1 is severely disturbed by slurry sediments, and remaining sections are slightly disturbed by gas expansion.



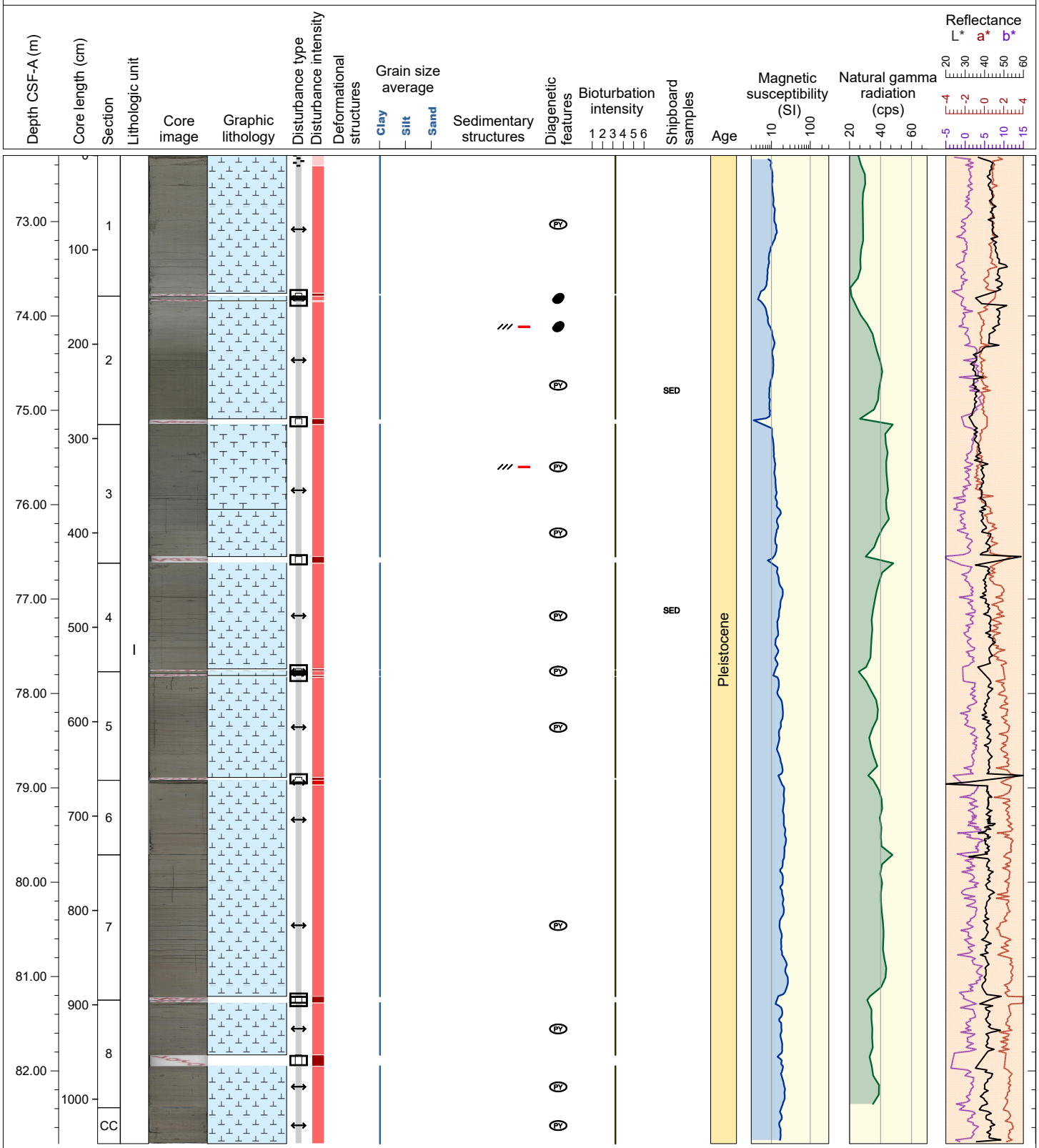
Hole 397-U1588B Core 8H, Interval 62.8-73.42 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE and NANNOFOSSIL OOZE WITH CARBONATE. Foraminiferal or other biogenic carbonates are disseminated throughout. Dark pyrite patches occur in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Thalassinoides, and Zoophycos observed in the core. Top 14 cm of Section 1 is severely disturbed by slurry sediments, and remaining sections are slightly disturbed by gas expansion.



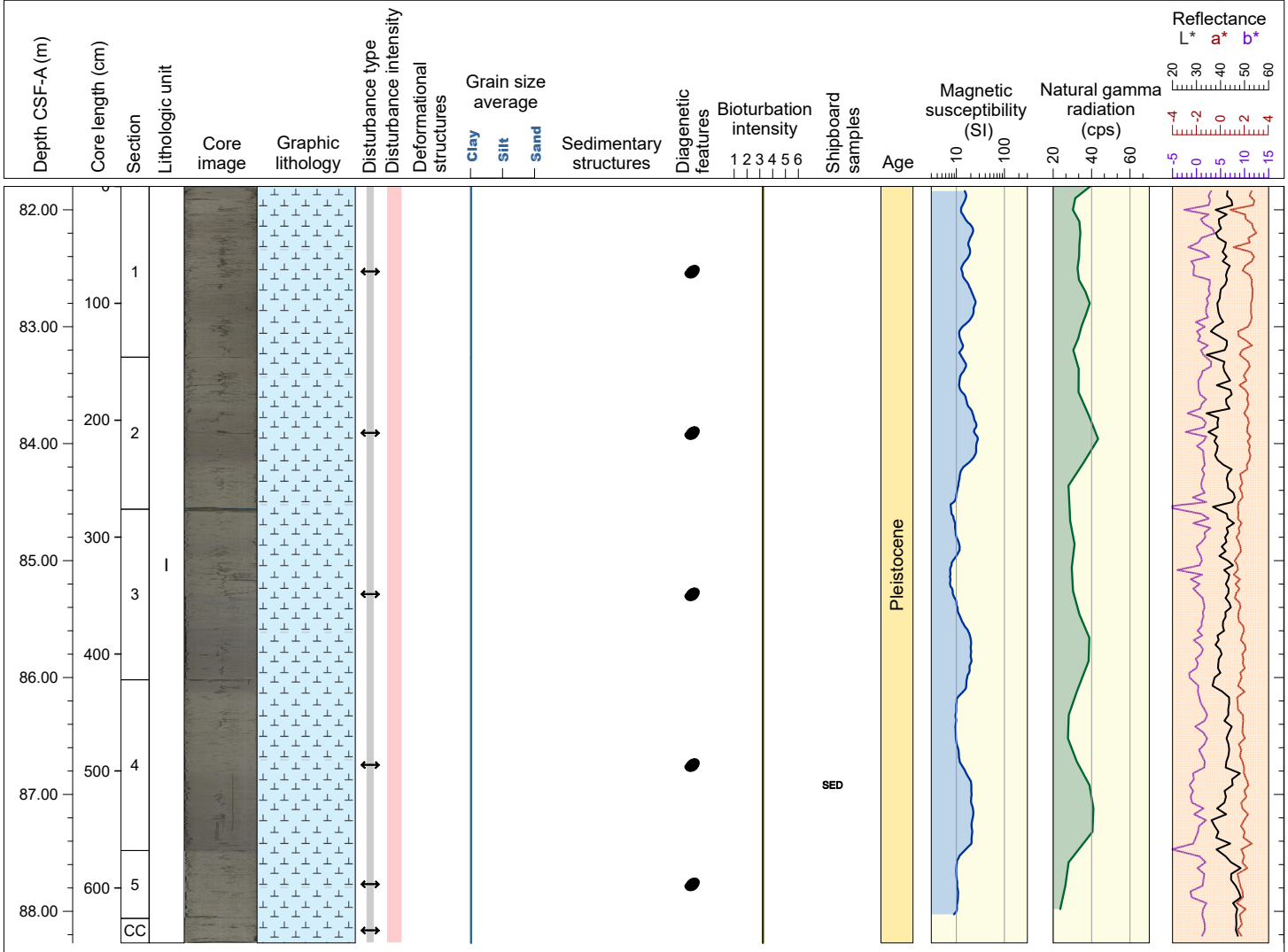
Hole 397-U1588B Core 9H, Interval 72.3-82.77 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminiferal or other biogenic carbonates are disseminated throughout. Dark pyrite patches occur in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Thalassinoides, and Zoophycos observed in the core. A few shell fragments macrofossils are observed in Section 3. Top 11 cm of Section 1 is severely disturbed by slurry sediments, and remaining sections are moderately disturbed by gas expansion.



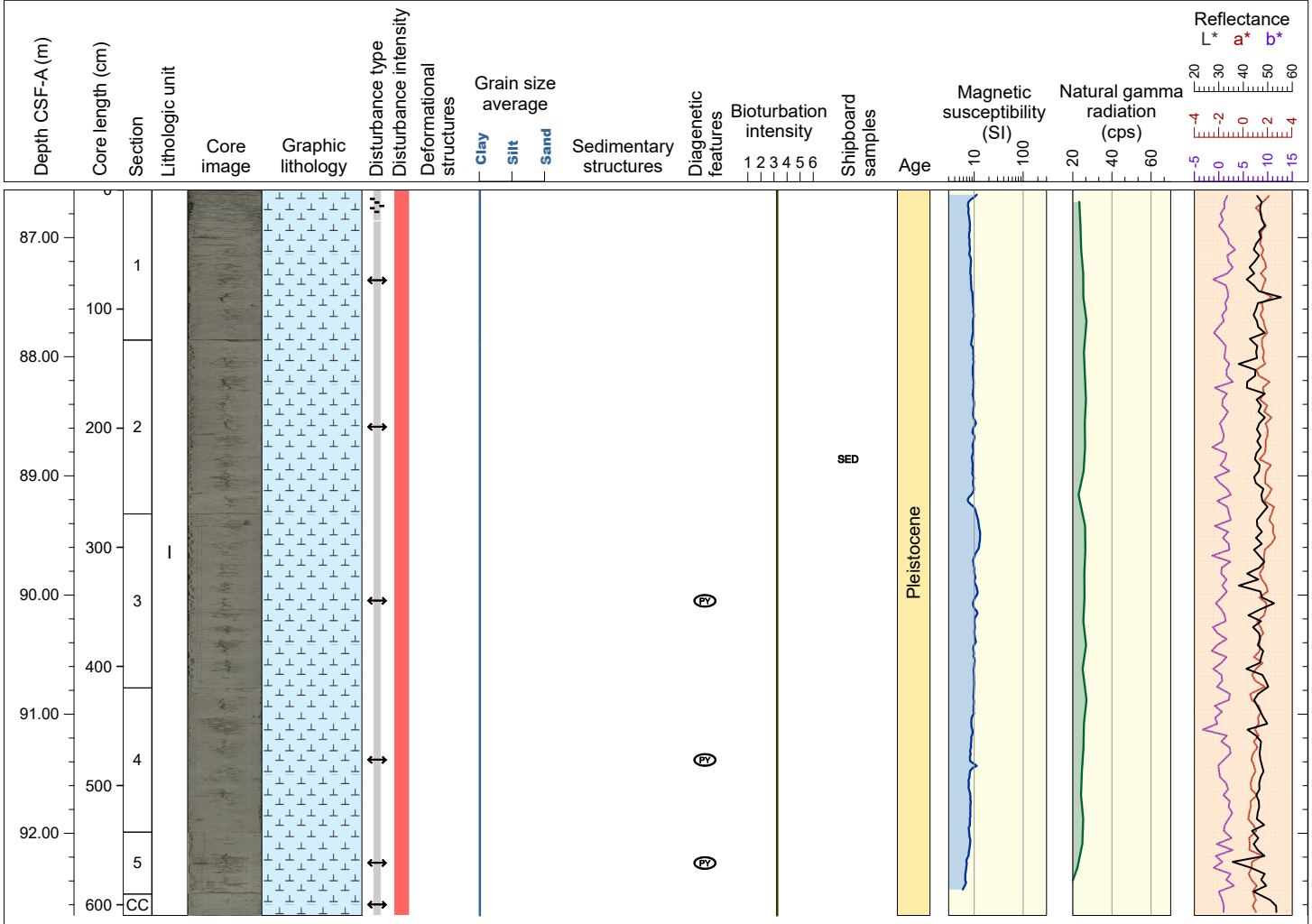
Hole 397-U1588B Core 10X, Interval 81.8-88.27 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminiferal or other biogenic carbonates are disseminated throughout. Dark (pyrite) patches occur in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Thalassinoides, and Zoophycos observed in the core. A few shell fragments macrofossils are observed at 114 cm in Section 1. All sections are slightly disturbed by gas expansion and biscuiting.



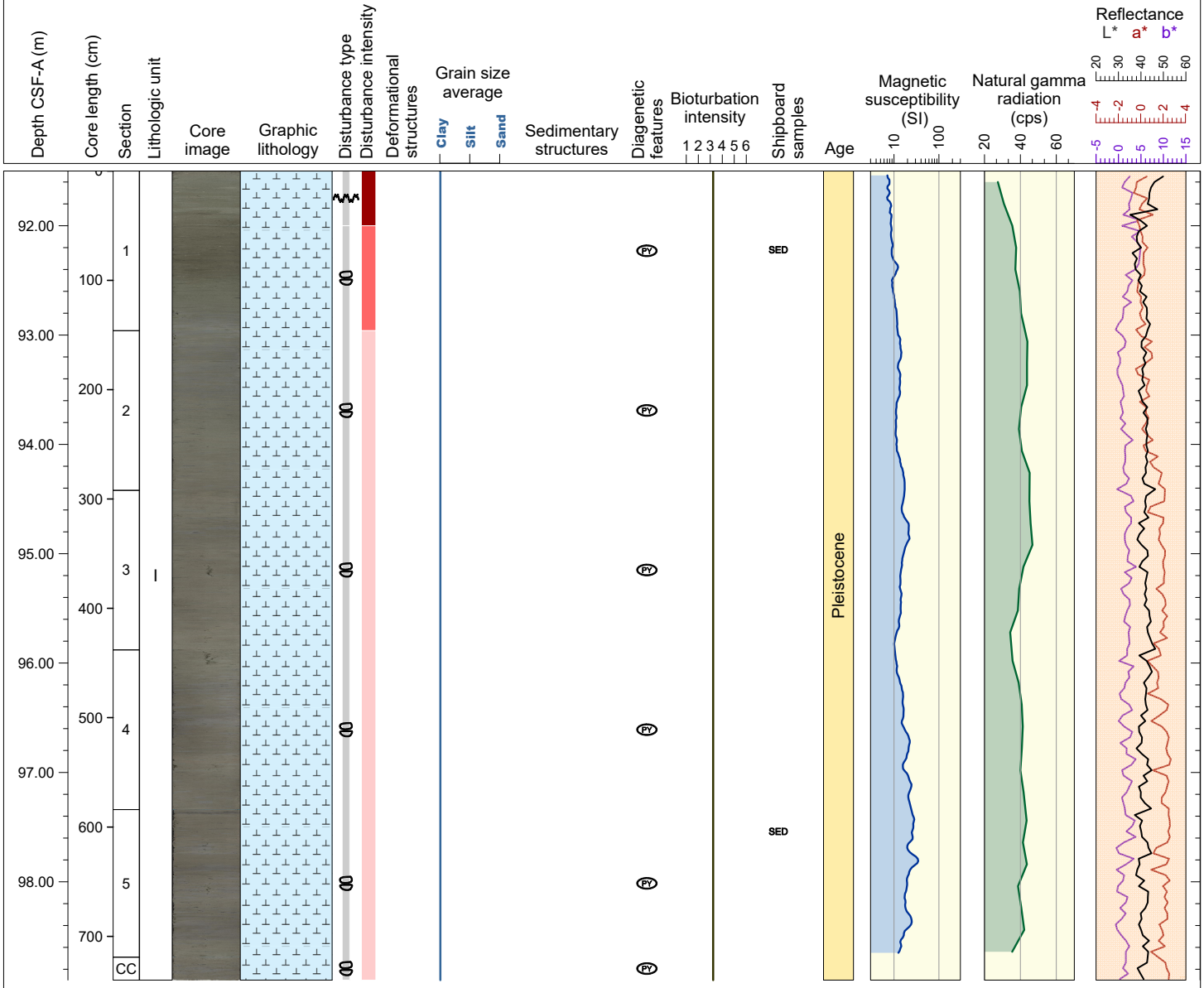
Hole 397-U1588B Core 11X, Interval 86.6-92.69 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Pyrite occurs in Sections 3-5. Bioturbation is slight in all sections, with trace fossils including Chondrites, Thalassinoides, and Zoophycos observed in the core. Top 26 cm of Section 1 is moderately disturbed by slurry sediments, and all sections are slightly disturbed by gas expansion and biscuiting.



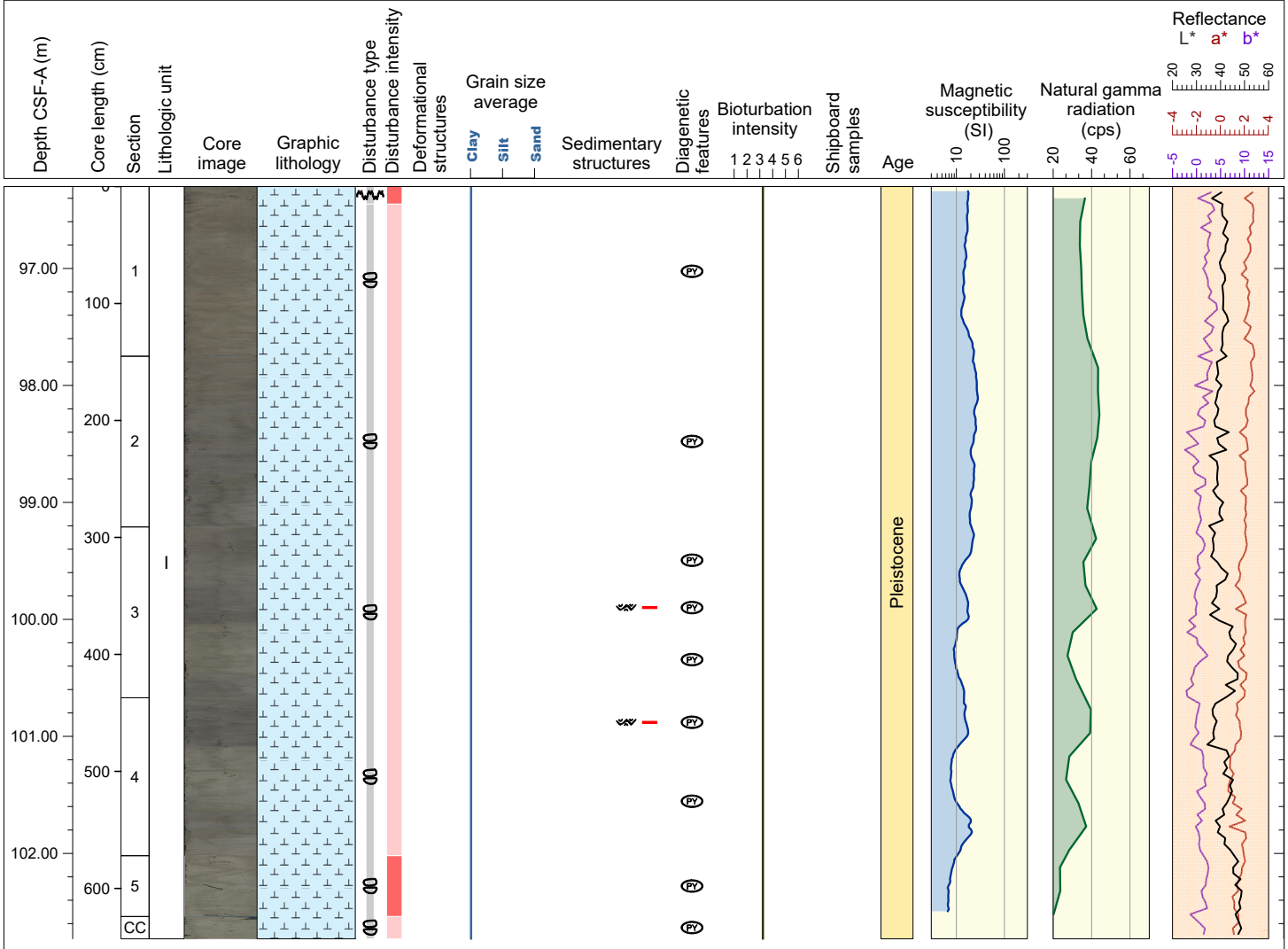
Hole 397-U1588B Core 12X, Interval 91.5-98.9 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminiferal or other biogenic carbonates are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Thalassinoides, and Planolites observed in the core. Shell fragments macrofossils are observed at 3 cm in Section 1. Top 50 cm of Section 1 is severely disturbed by disturbed bedding, and remaining sections are slightly disturbed by biscuiting.



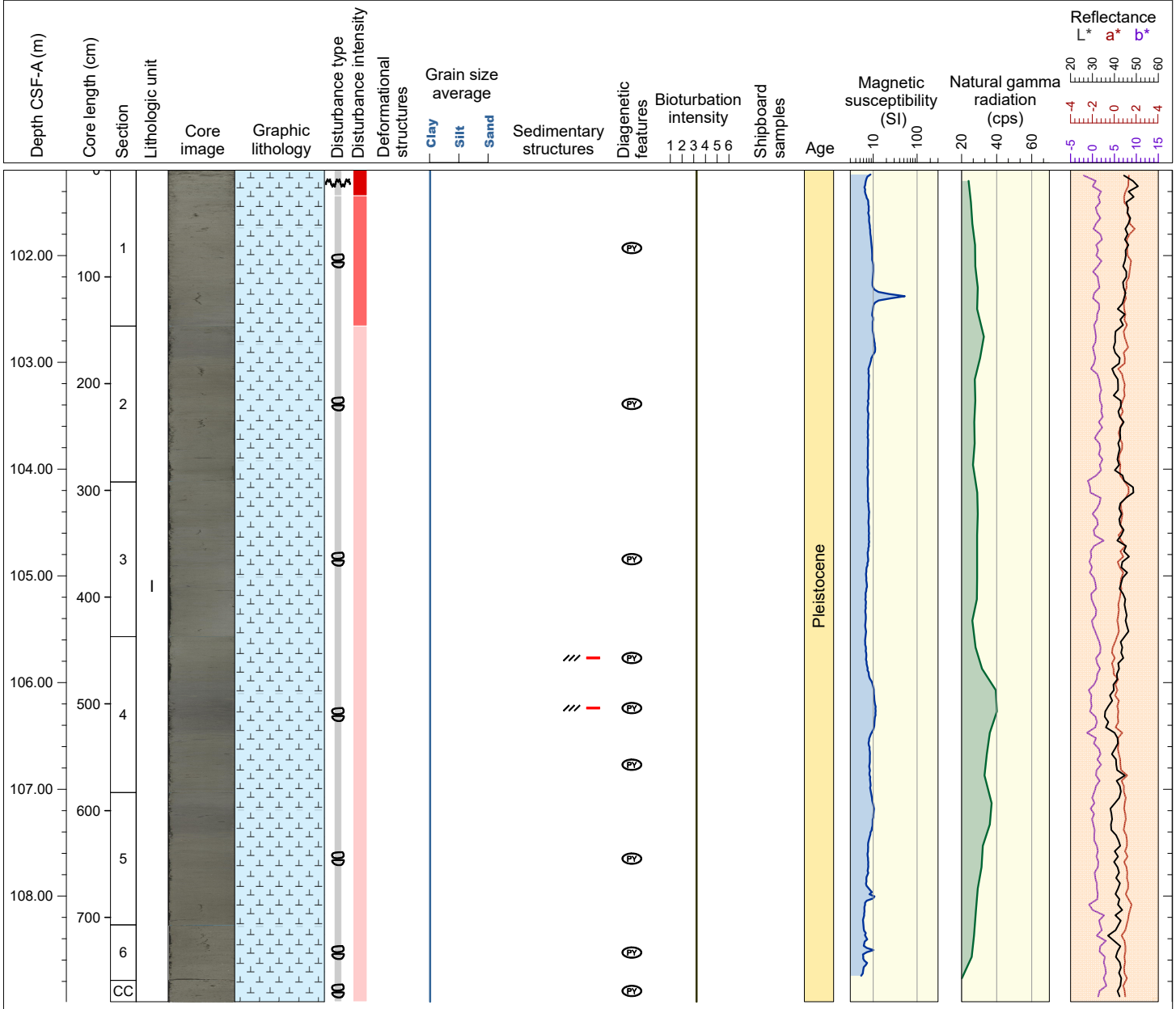
Hole 397-U1588B Core 13X, Interval 96.3-102.73 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminiferal or other biogenic carbonates are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Thalassinoides, and Planolites observed in the core. Top 15 cm of Section 1 is severely disturbed by disturbed bedding, and remaining sections are slightly disturbed by biscuiting.



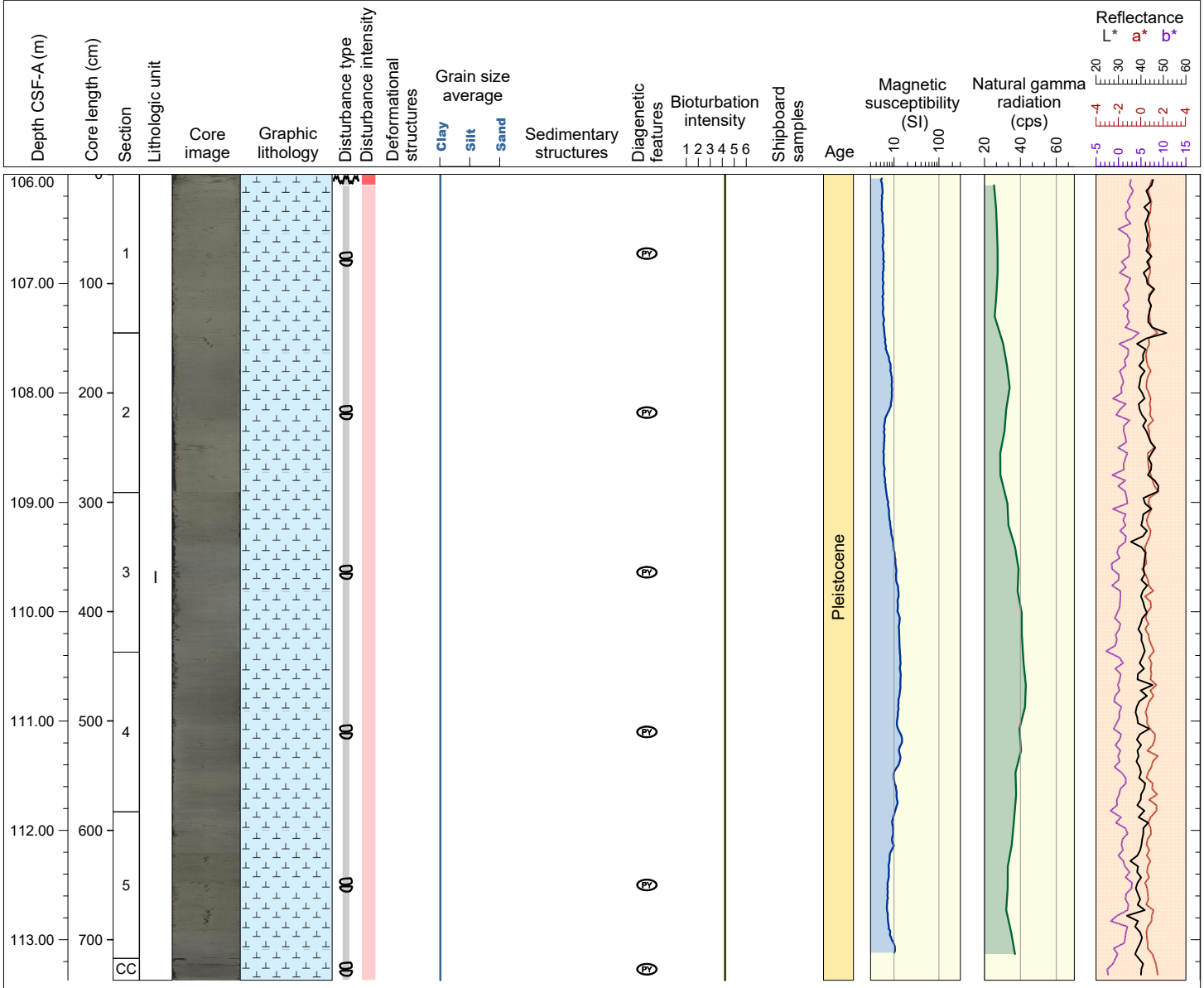
Hole 397-U1588B Core 14X, Interval 101.2-108.99 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminiferal or other biogenic carbonates are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Thalassinoides, and Planolites observed in the core. Top 24 cm of Section 1 is severely disturbed by disturbed bedding, and remaining sections are slightly disturbed by biscuiting.



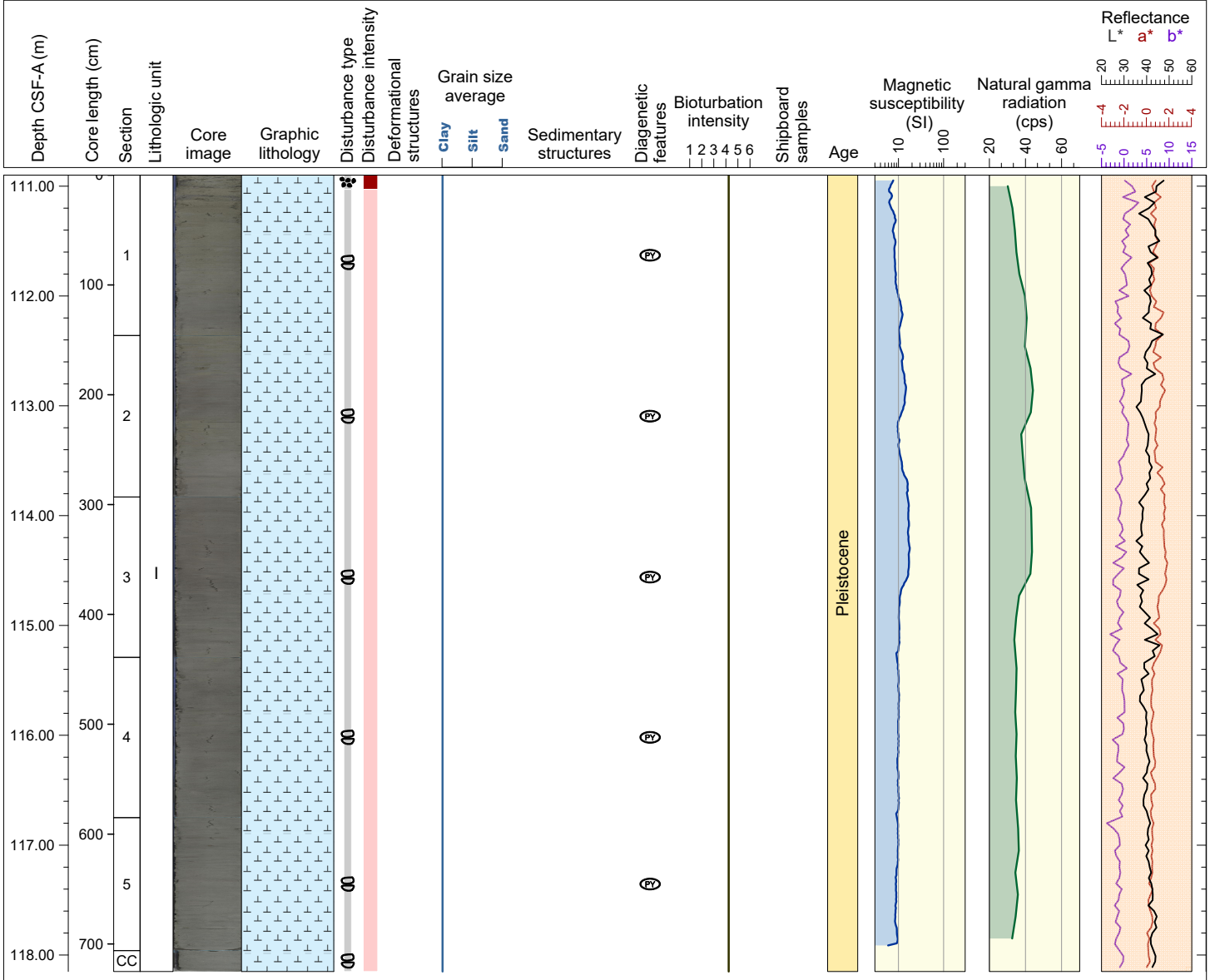
Hole 397-U1588B Core 15X, Interval 106.0-113.37 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and other biogenic carbonates are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in all sections, with trace fossils including Chondrites, Thalassinoides, Planolites and Zoophycos observed in the core. The uppermost 10 cm of Section 1 has moderately disturbed bedding, and the remaining sections are slightly disturbed by biscuiting.



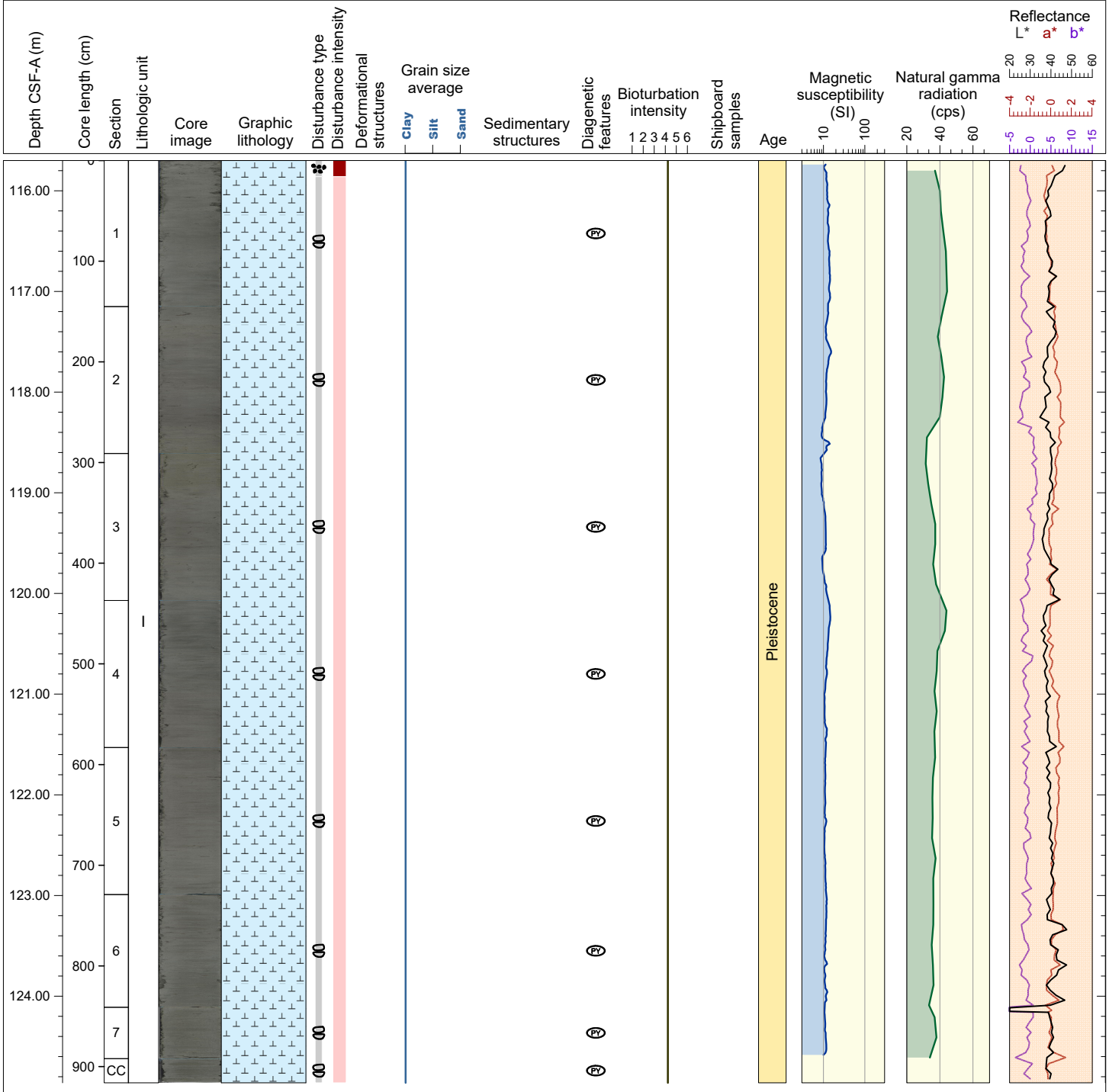
Hole 397-U1588B Core 16X, Interval 110.9-118.15 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and other biogenic carbonates are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in all sections, with trace fossils including Chondrites, Thalassinoides, and Planolites observed in the core. The uppermost 13 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



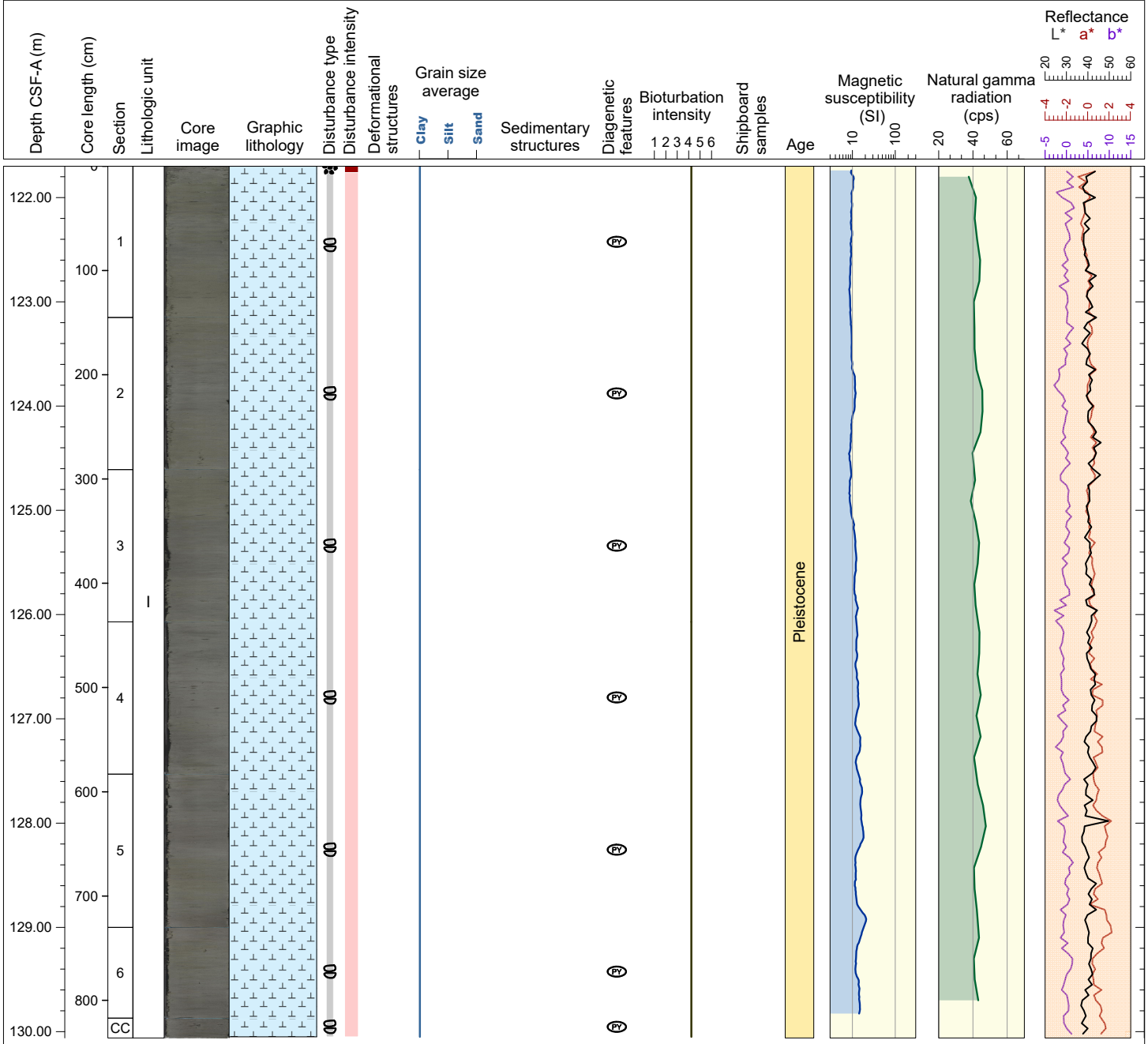
Hole 397-U1588B Core 17X, Interval 115.7-124.86 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in all sections, with trace fossils including Chondrites and Thalassinoides observed in the core. The uppermost 16 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



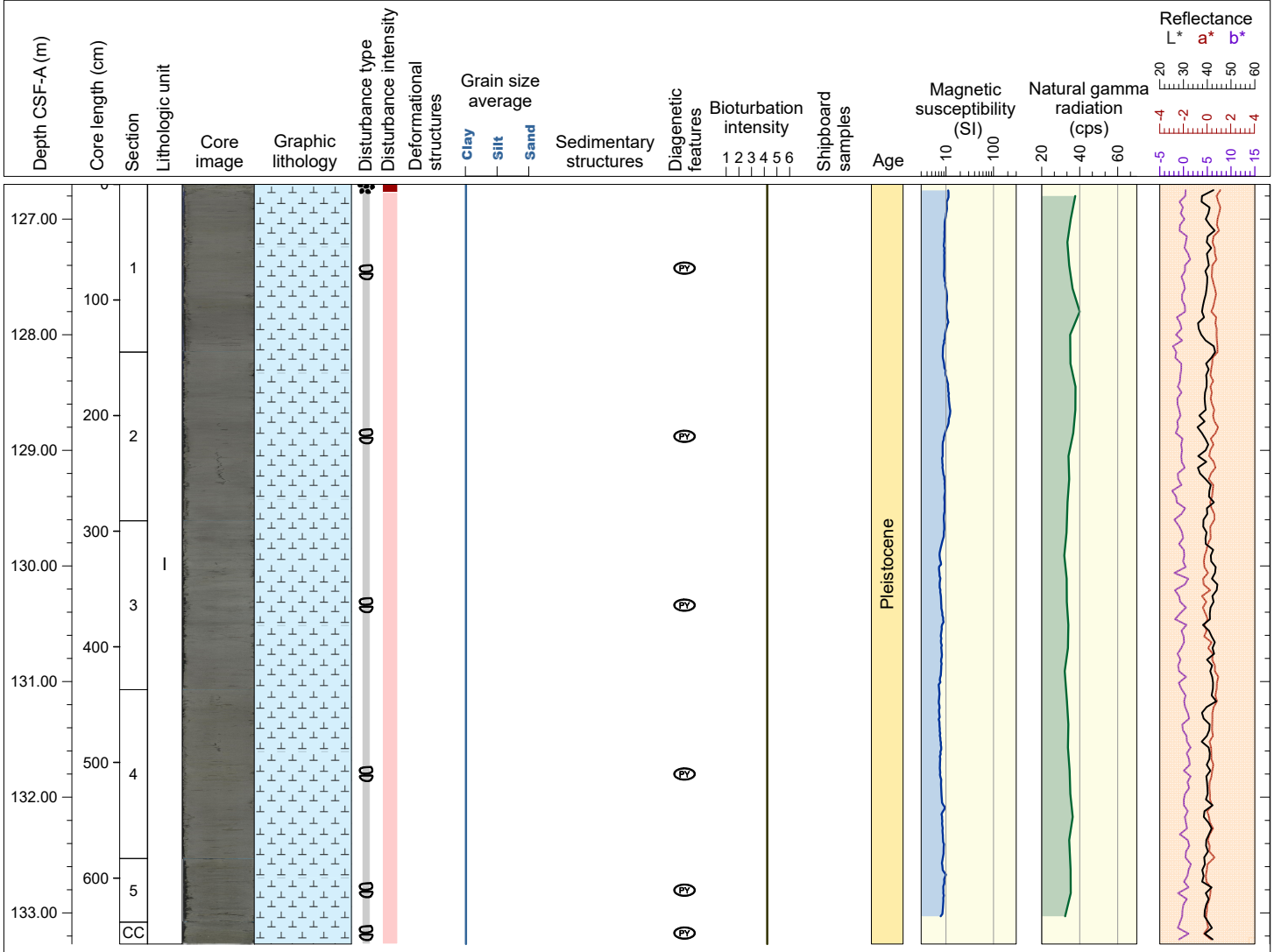
Hole 397-U1588B Core 18X, Interval 121.7-130.06 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in all sections, with trace fossils including Chondrites and Thalassinoides observed in the core. Shell fragments occur in Sections 2 and 5. The uppermost 6 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



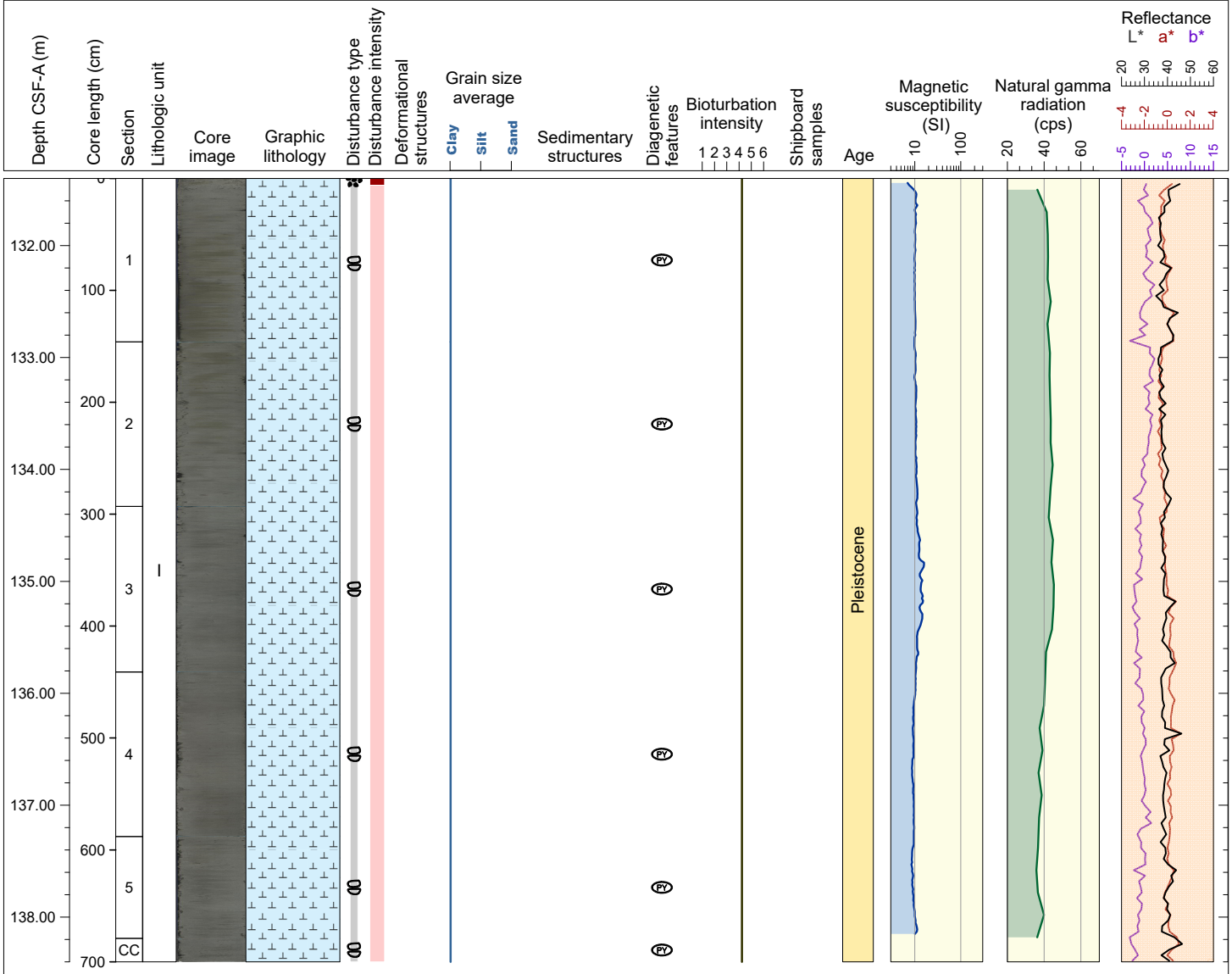
Hole 397-U1588B Core 19X, Interval 126.7-133.27 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and other biogenic carbonates are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in all sections, with trace fossils including Chondrites, Planolites, and Thalassinoides observed in the core. Shell fragments occur in Sections 2 and 5. The uppermost 7 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



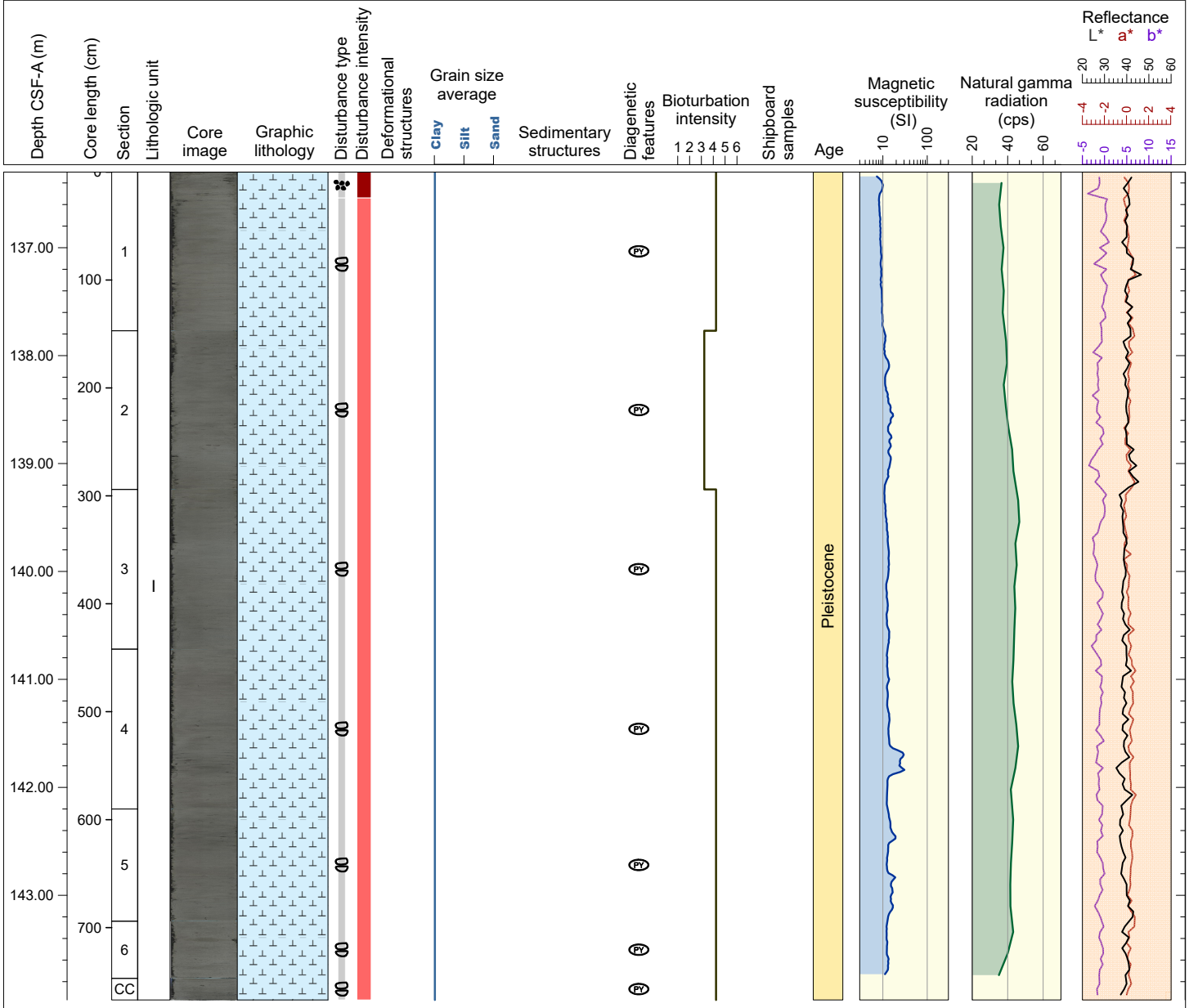
Hole 397-U1588B Core 20X, Interval 131.4-138.4 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and other biogenic carbonates are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core and Ophiomorpha occurring in Section 3. Shell fragments occur in Sections 2 - 4. The uppermost 6 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



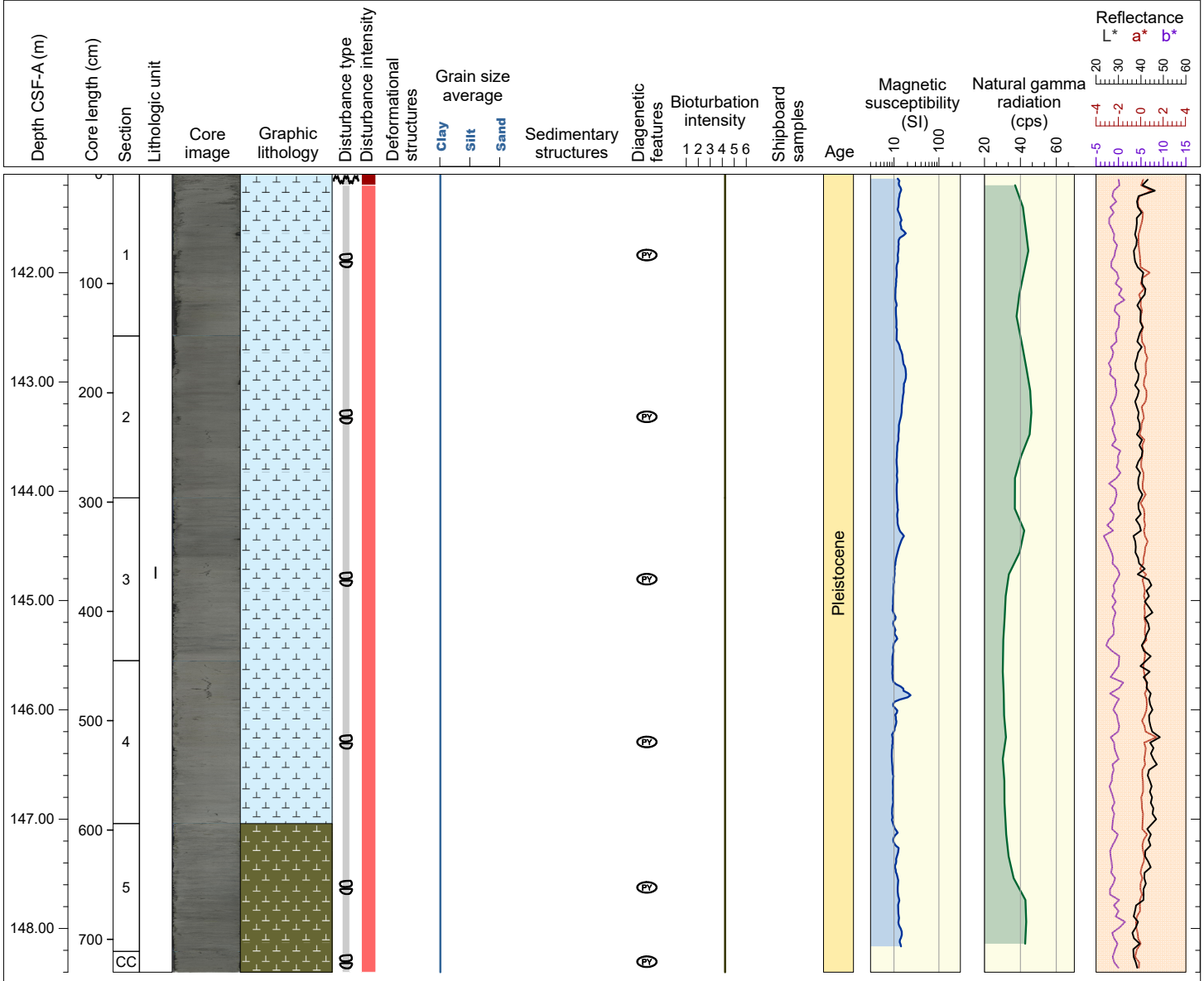
Hole 397-U1588B Core 21X, Interval 136.3-143.97 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and other biogenic carbonates are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in all sections, with trace fossils including Chondrites and Thalassinoides observed throughout the core. Shell fragments occur in Sections 1 and 2. The uppermost 24 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



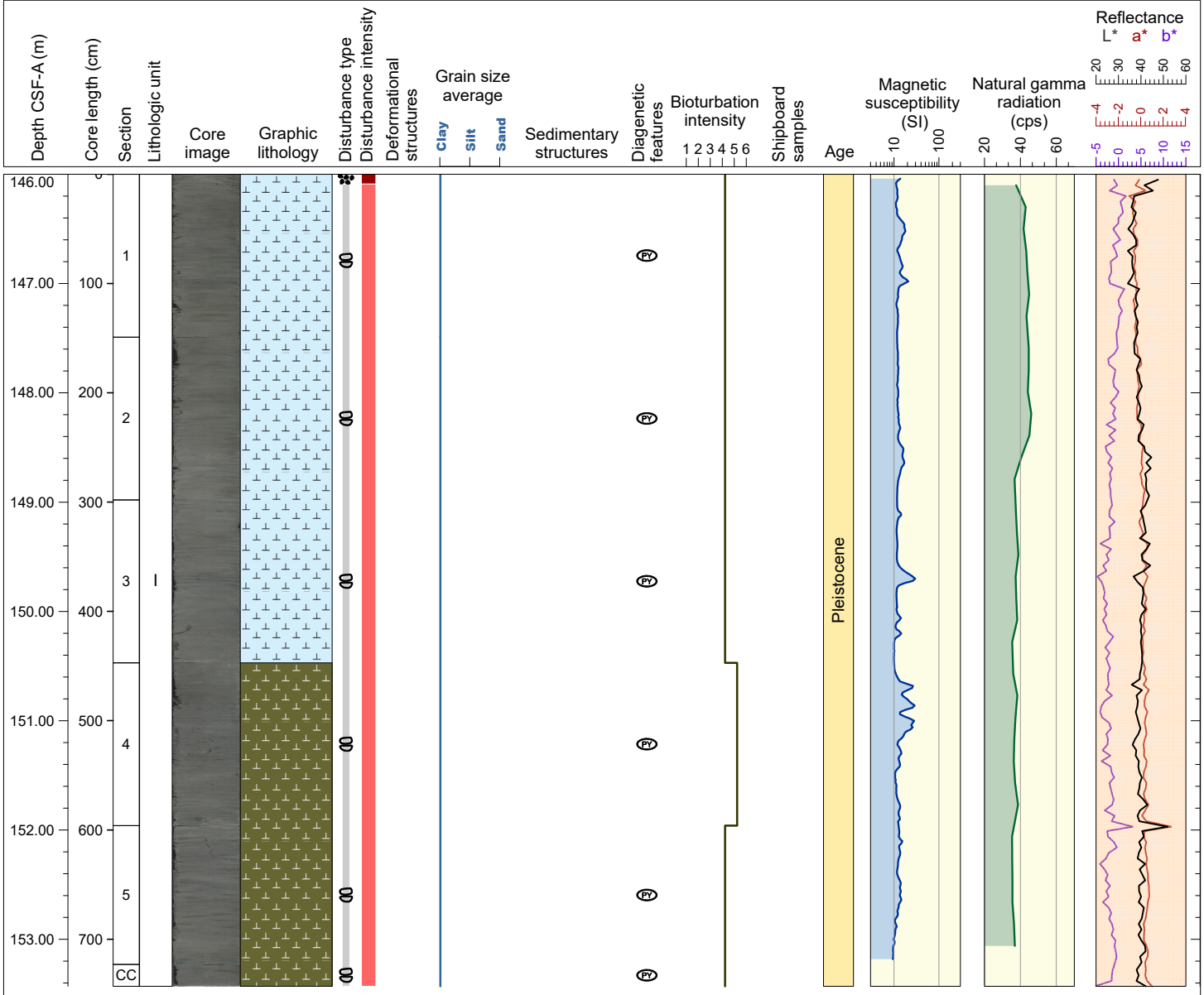
Hole 397-U1588B Core 22X, Interval 141.1-148.4 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and other biogenic carbonates are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in all sections, with trace fossils including Chondrites, Planolites, and Thalassinoides observed throughout the core. The uppermost 10 cm of Section 1 has severely disturbed bedding, and the rest of the core is moderately disturbed by biscuiting.



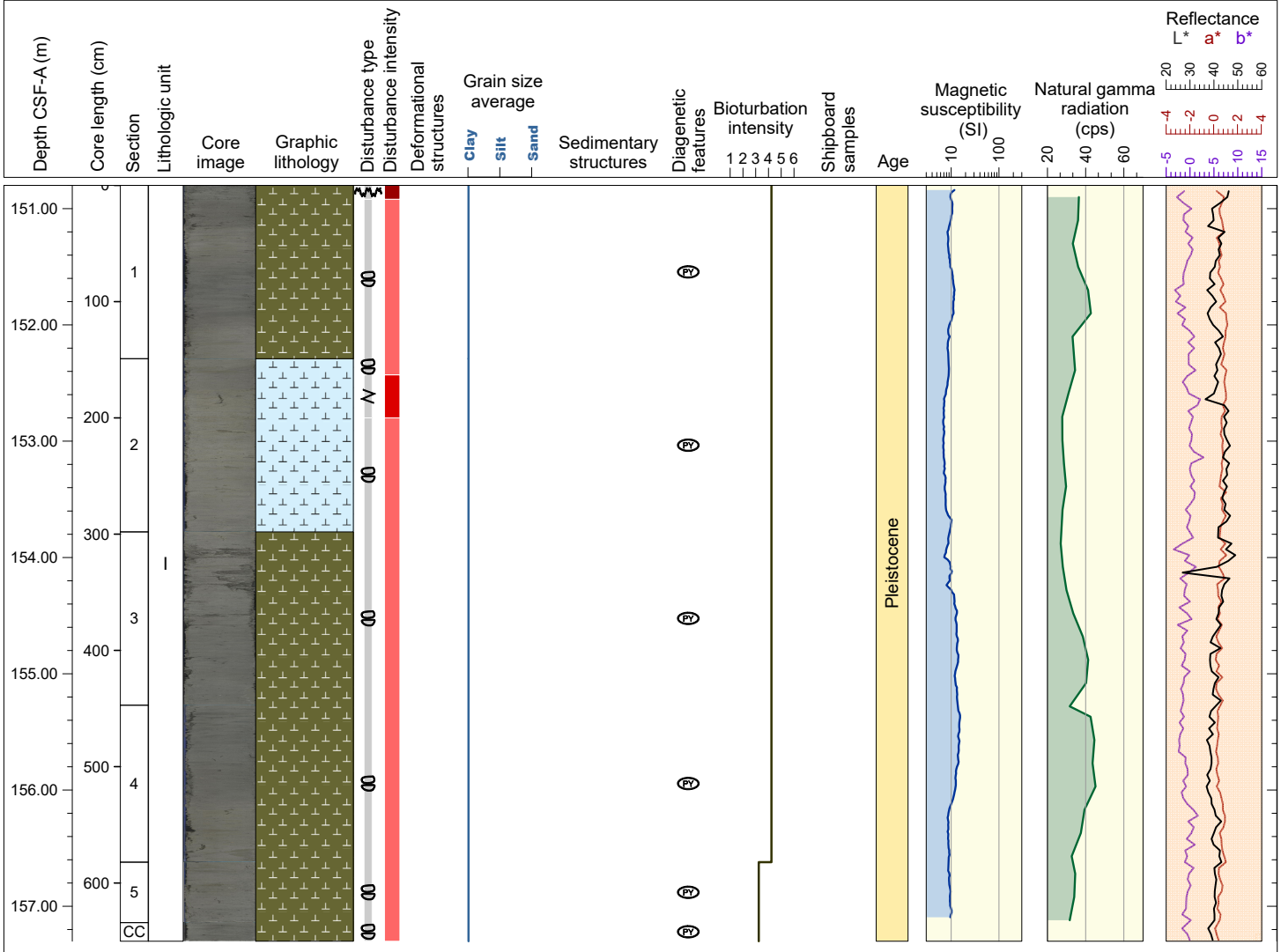
Hole 397-U1588B Core 23X, Interval 146.0-153.43 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and other biogenic carbonates are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in all sections, with trace fossils including Chondrites, Planolites, and Thalassinoides observed throughout the core. Shell fragments occur in Sections 2 and 5. The uppermost 9 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



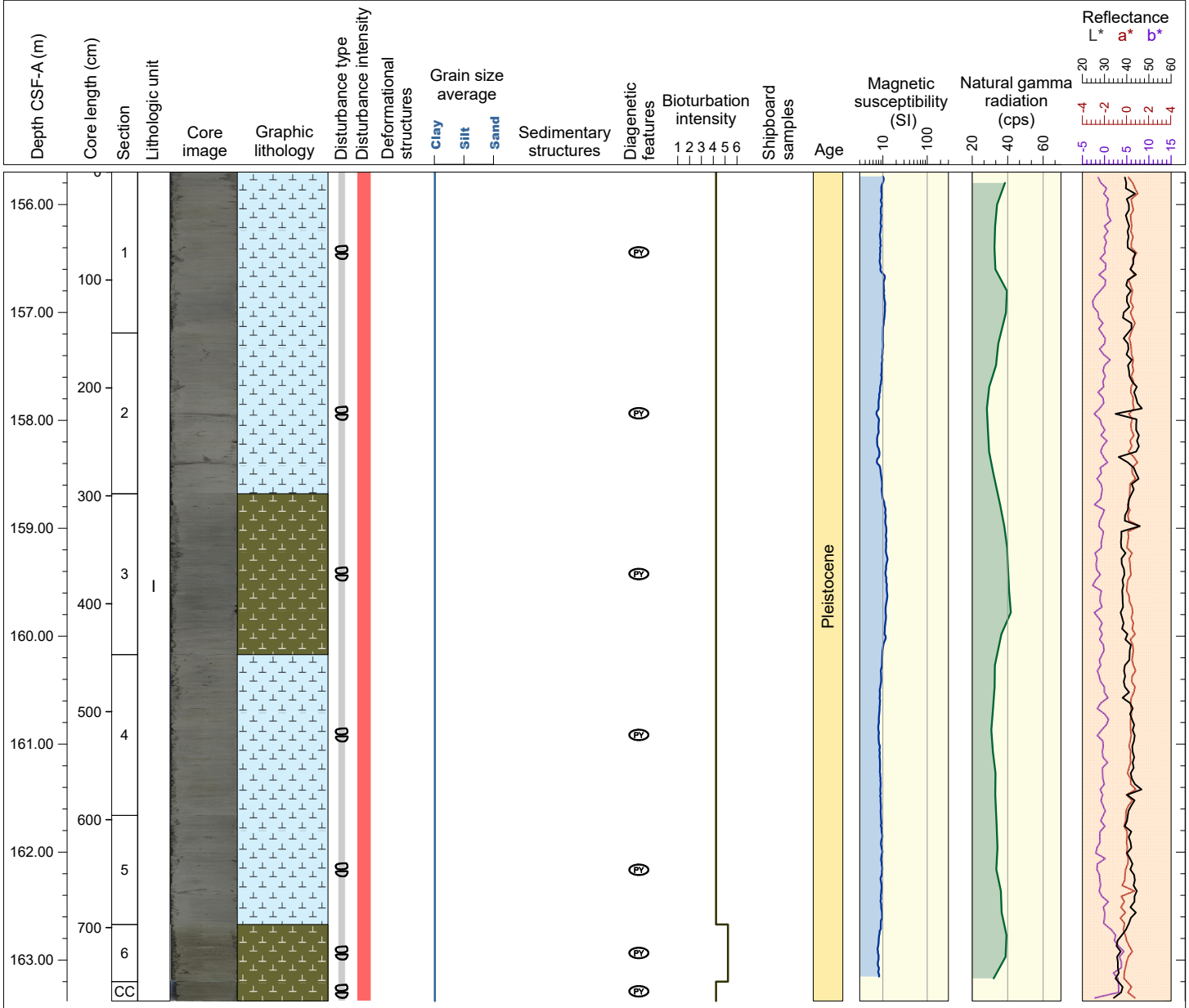
Hole 397-U1588B Core 24X, Interval 150.8-157.3 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and other small shells are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in all sections, with trace fossils including Chondrites, Planolites, and Thalassinoides observed throughout the core. The uppermost 12 cm of Section 1 has severely disturbed bedding, Section 2, 14-51 cm has strongly disturbed fragmentation, and the rest of the core is moderately disturbed by biscuiting.



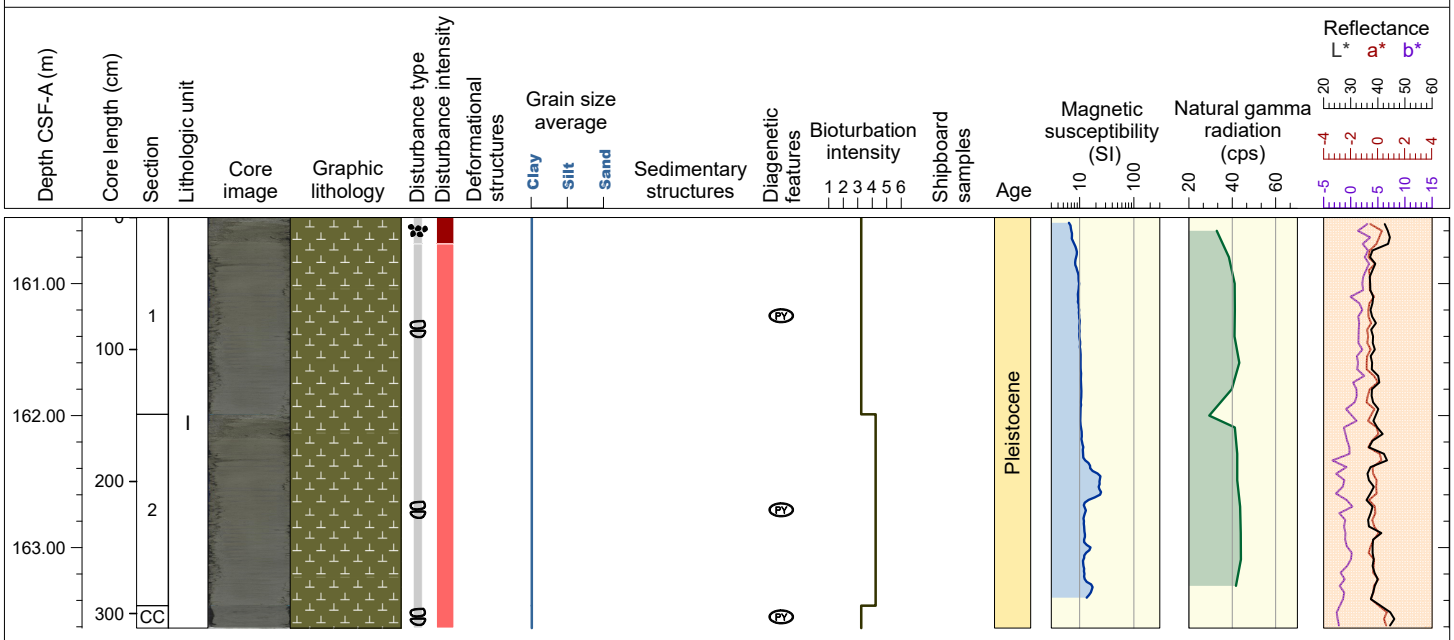
Hole 397-U1588B Core 25X, Interval 155.7-163.38 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and other small shells are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in all sections, with trace fossils including Chondrites, Planolites, and Thalassinoides observed throughout the core. A shell occurs at 136-138 cm in Section 3. The entire core is moderately disturbed by biscuiting.



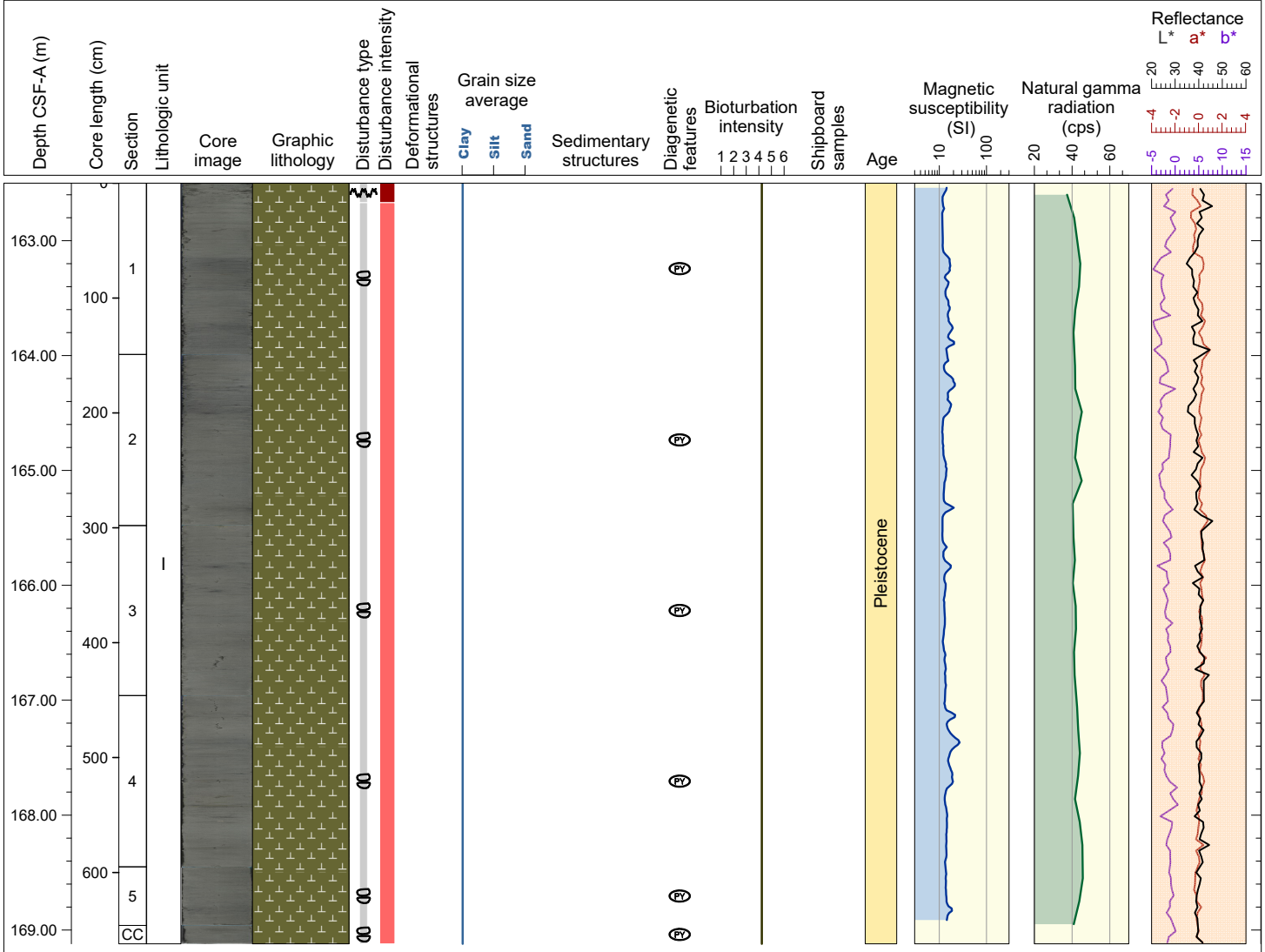
Hole 397-U1588B Core 26X, Interval 160.5-163.61 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and other shell fragments are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight to moderate, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The uppermost 20 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



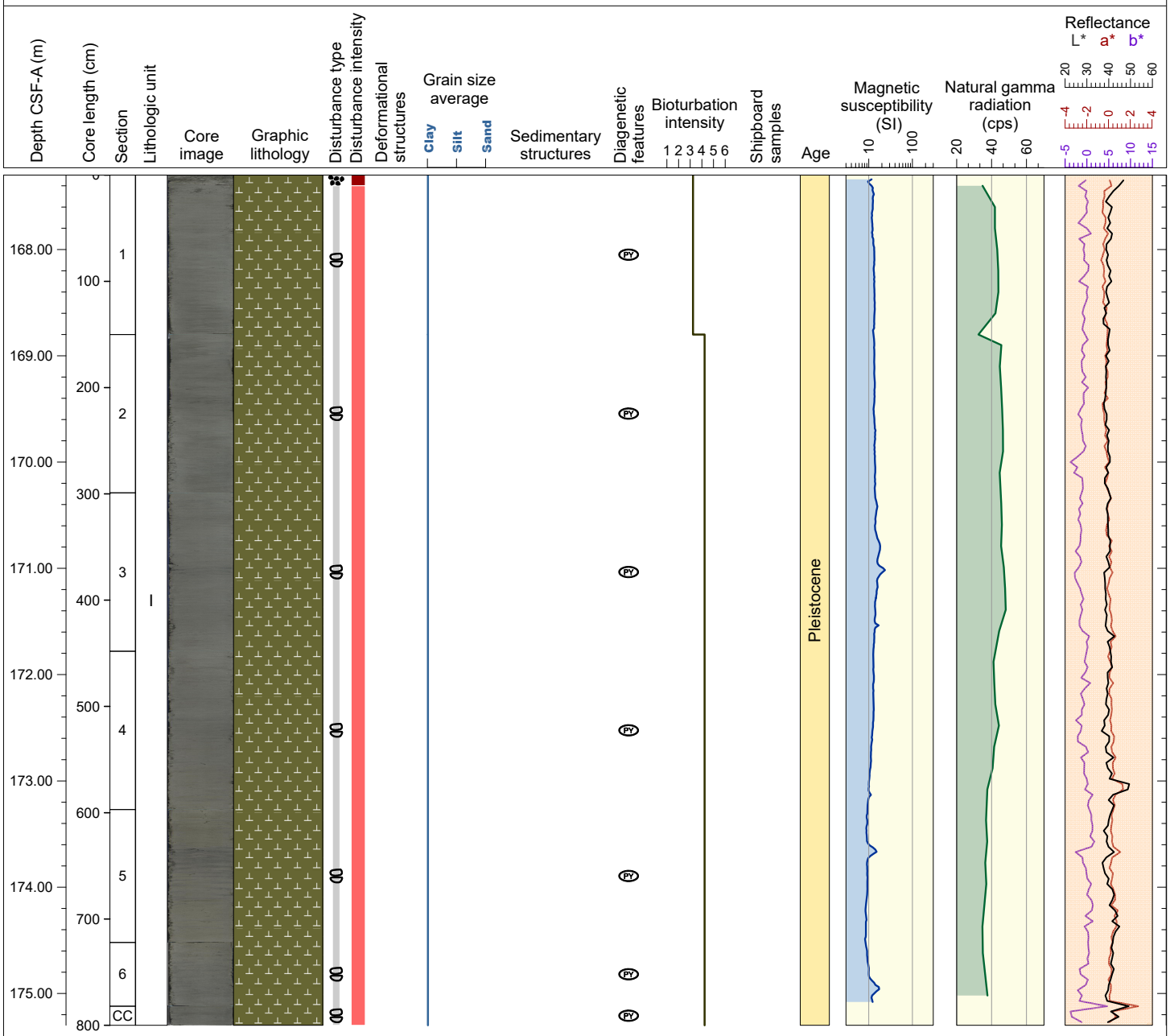
Hole 397-U1588B Core 27X, Interval 162.5-169.12 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and other shell fragments are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight to moderate, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The uppermost 17 cm of Section 1 has severely disturbed bedding, and the rest of the core is moderately disturbed by biscuiting.



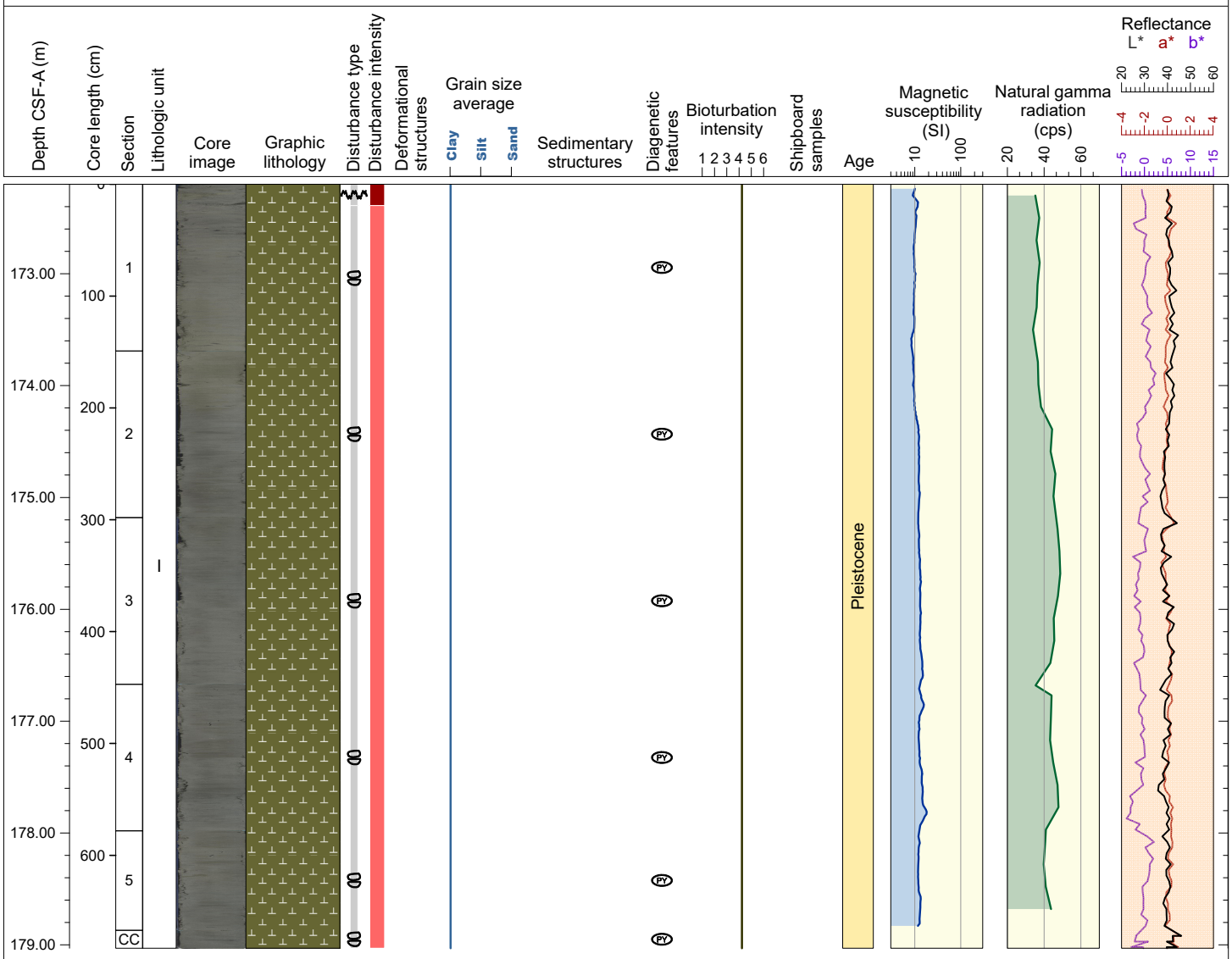
Hole 397-U1588B Core 28X, Interval 167.3-175.3 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and other shell fragments are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight to moderate, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core, and Ophiomorpha occurring in Section 3. Shell fragments occur in Sections 4 and 5. The uppermost 10 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



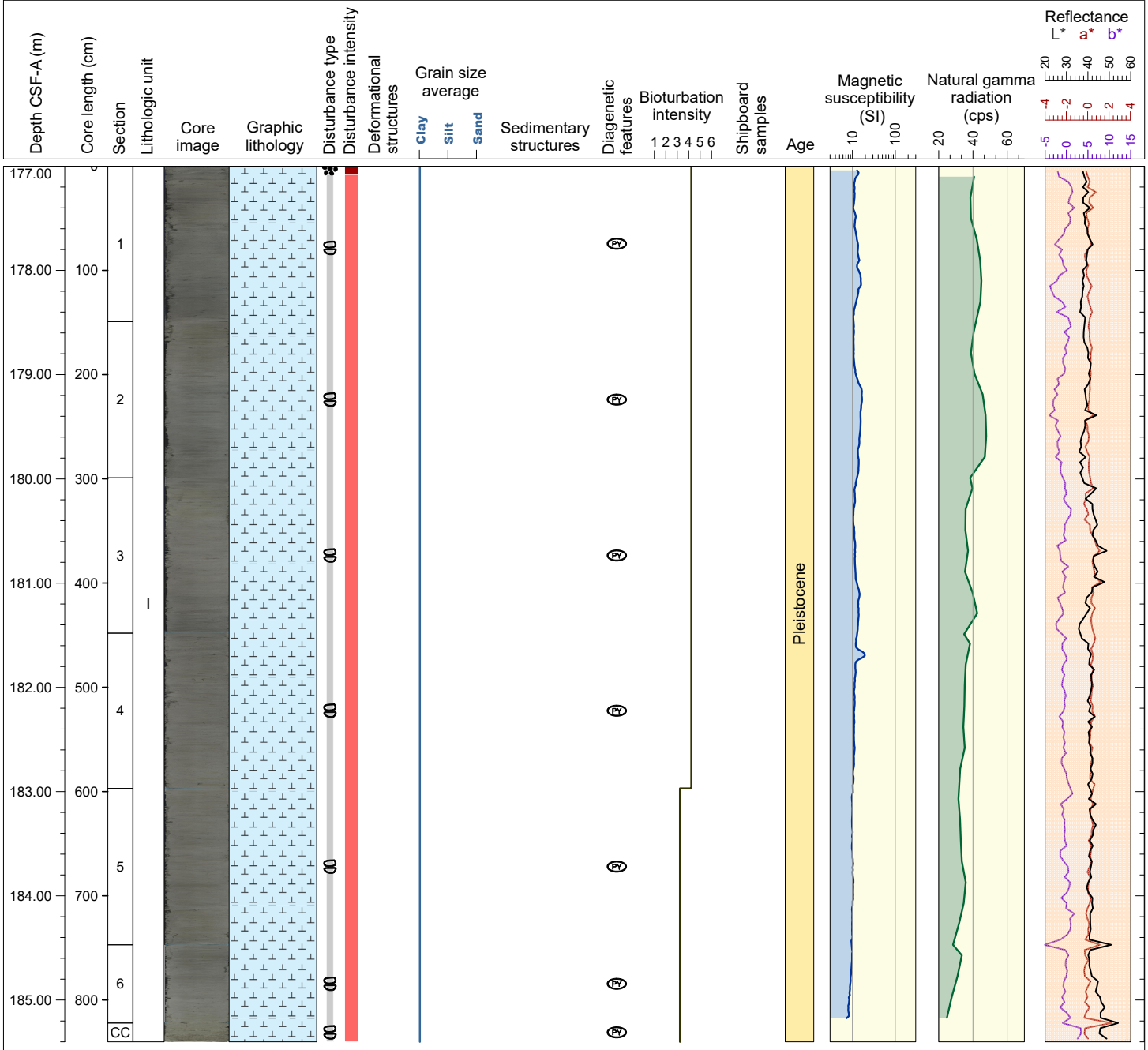
Hole 397-U1588B Core 29X, Interval 172.2-179.03 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and other carbonate shells are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. A macroscopic shell occurs in Section 4. The uppermost 19 cm of Section 1 has severely disturbed bedding, and the rest of the core is moderately disturbed by biscuiting.



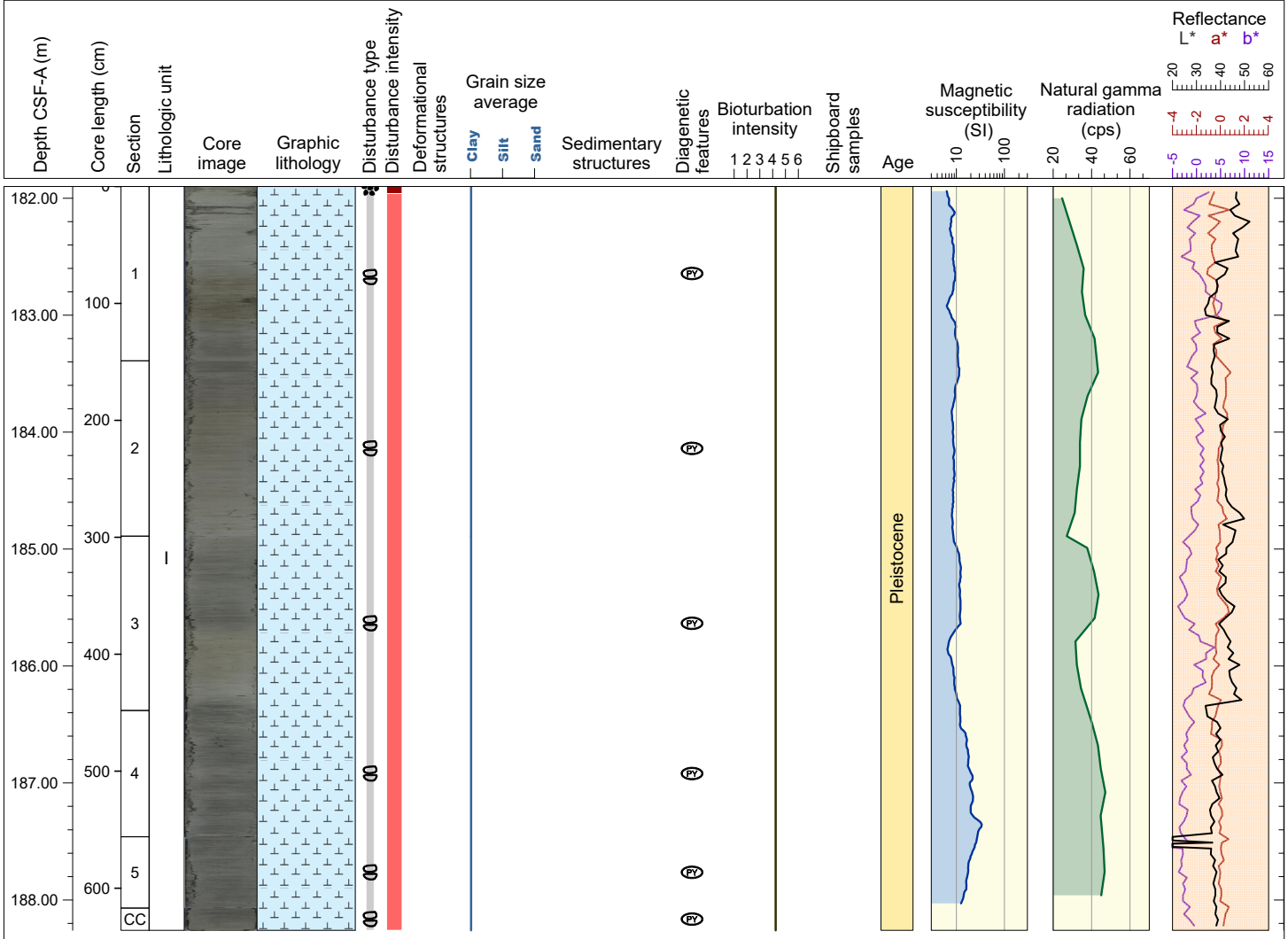
Hole 397-U1588B Core 30X, Interval 177.0-185.4 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and other shell fragments are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The uppermost 8 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



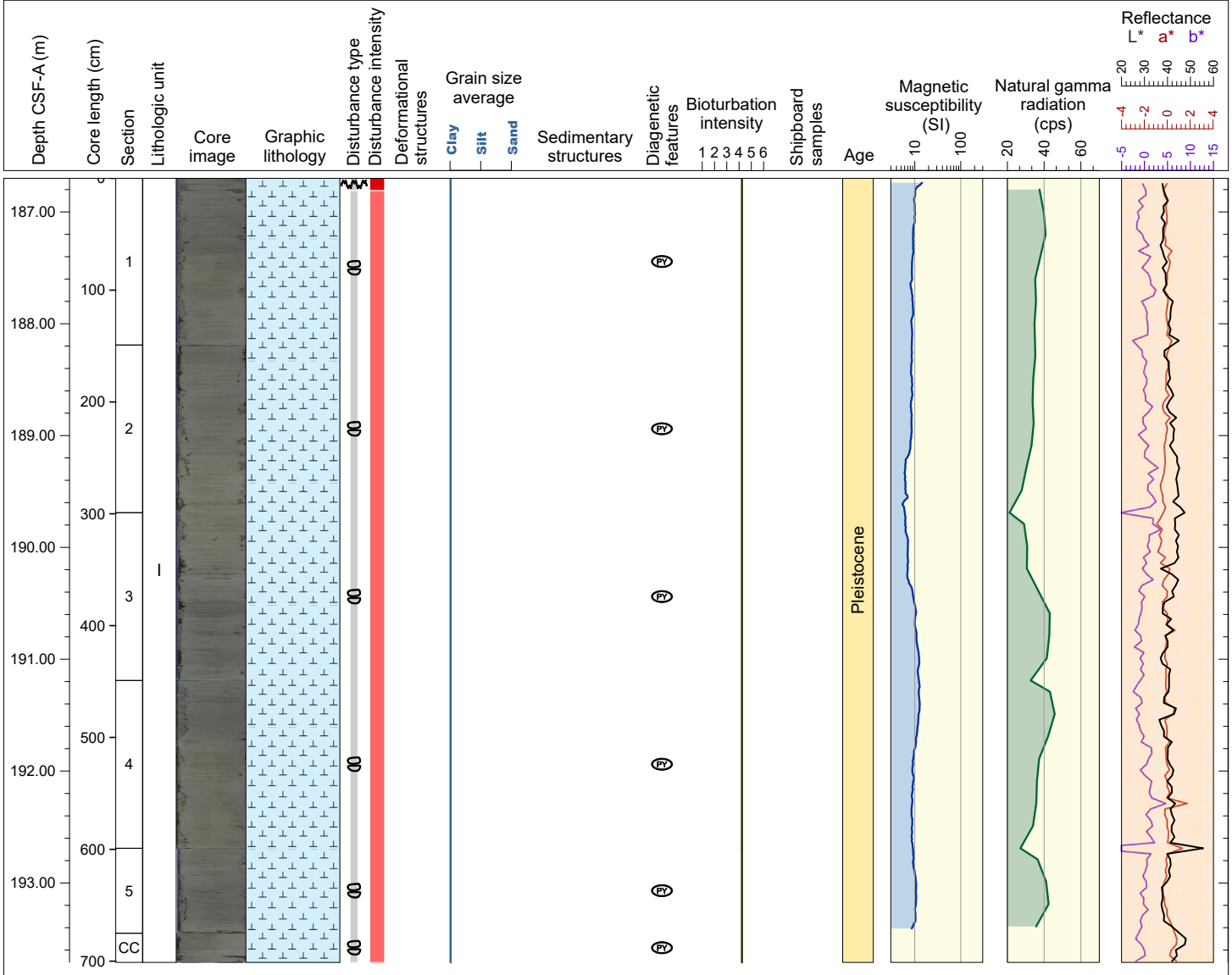
Hole 397-U1588B Core 31X, Interval 181.9-188.26 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and other shell fragments are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core and Ophiomorpha occurring in Sections 1 and 2. The uppermost 6 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



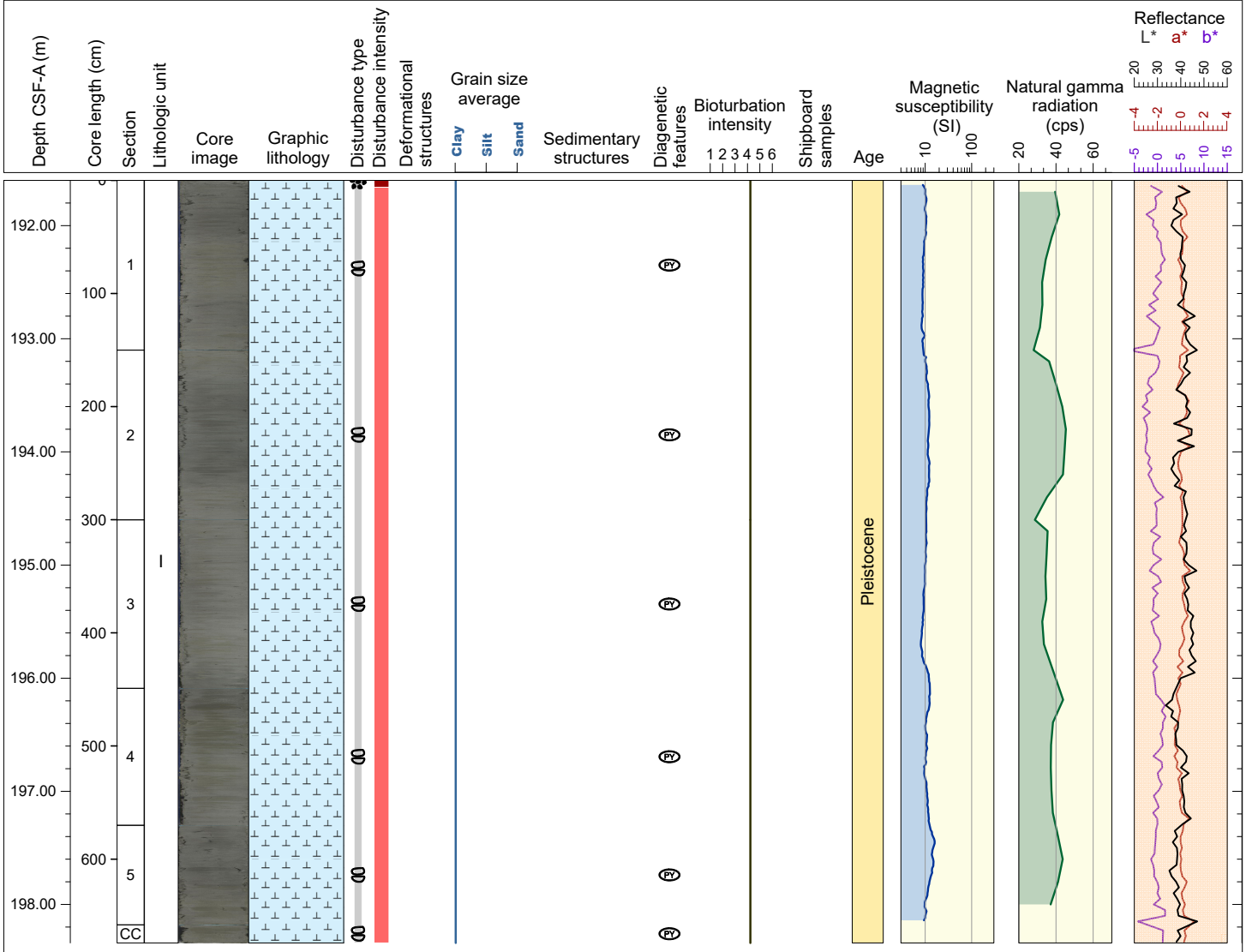
Hole 397-U1588B Core 32X, Interval 186.7-193.71 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and other shell fragments are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. Macroscopic shell fragments occur in Sections 2-4. The uppermost 19 cm of Section 1 has severely disturbed bedding, and the rest of the core is moderately disturbed by biscuiting.



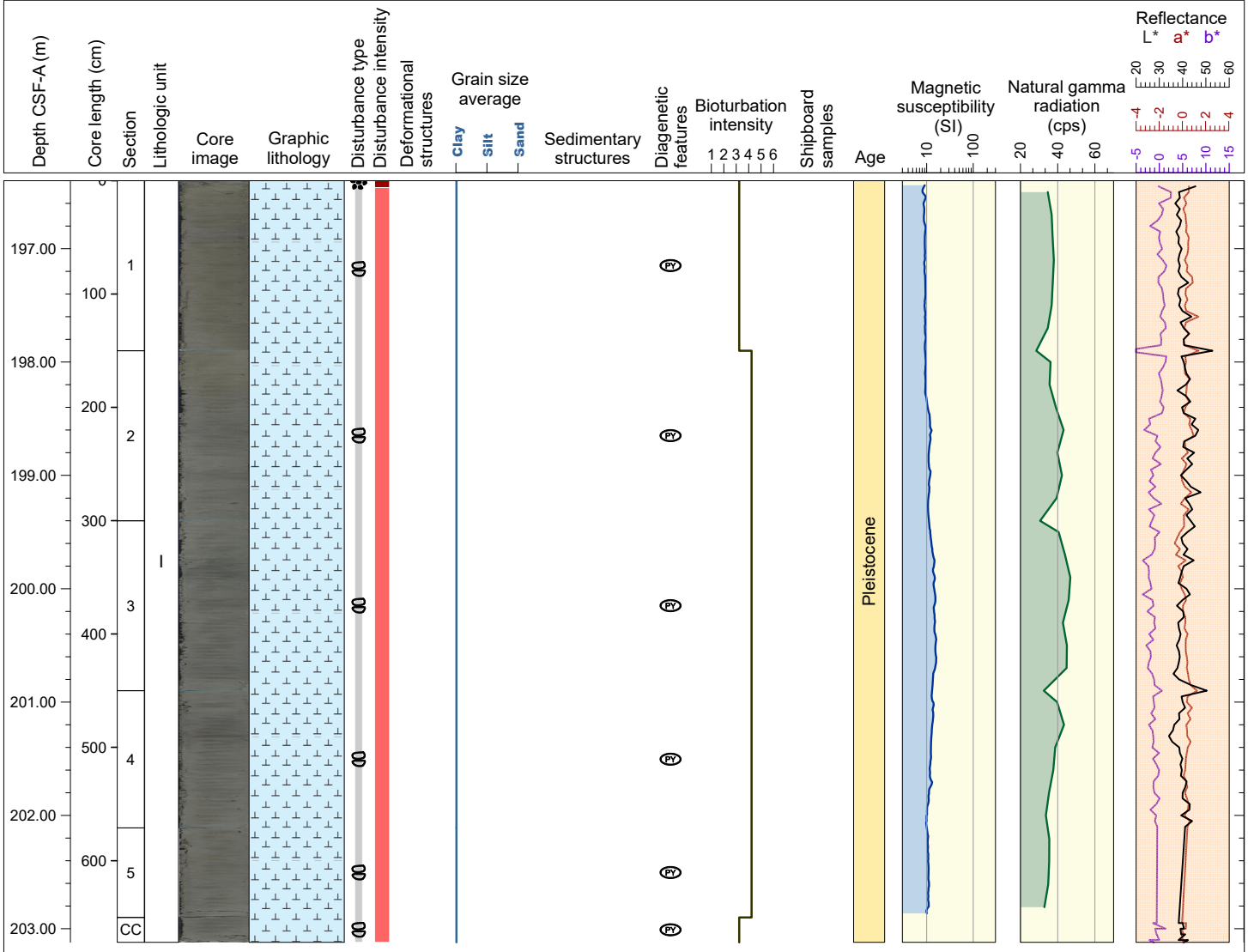
Hole 397-U1588B Core 33X, Interval 191.6-198.34 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core and and Ophiomorpha occurring in Section 1. The uppermost 6 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



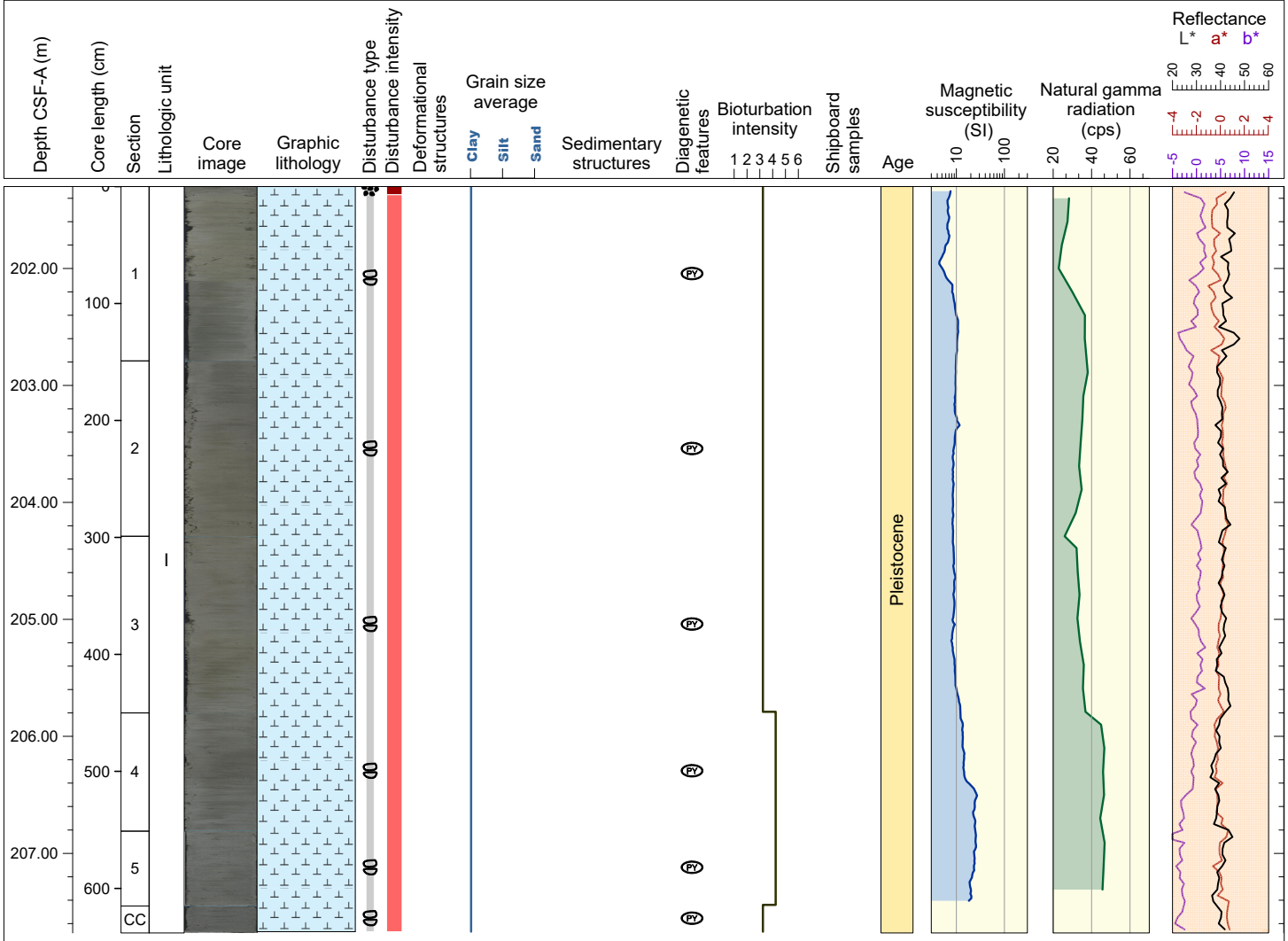
Hole 397-U1588B Core 34X, Interval 196.4-203.12 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core and and Ophiomorpha occurring in Section 5. The uppermost 6 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



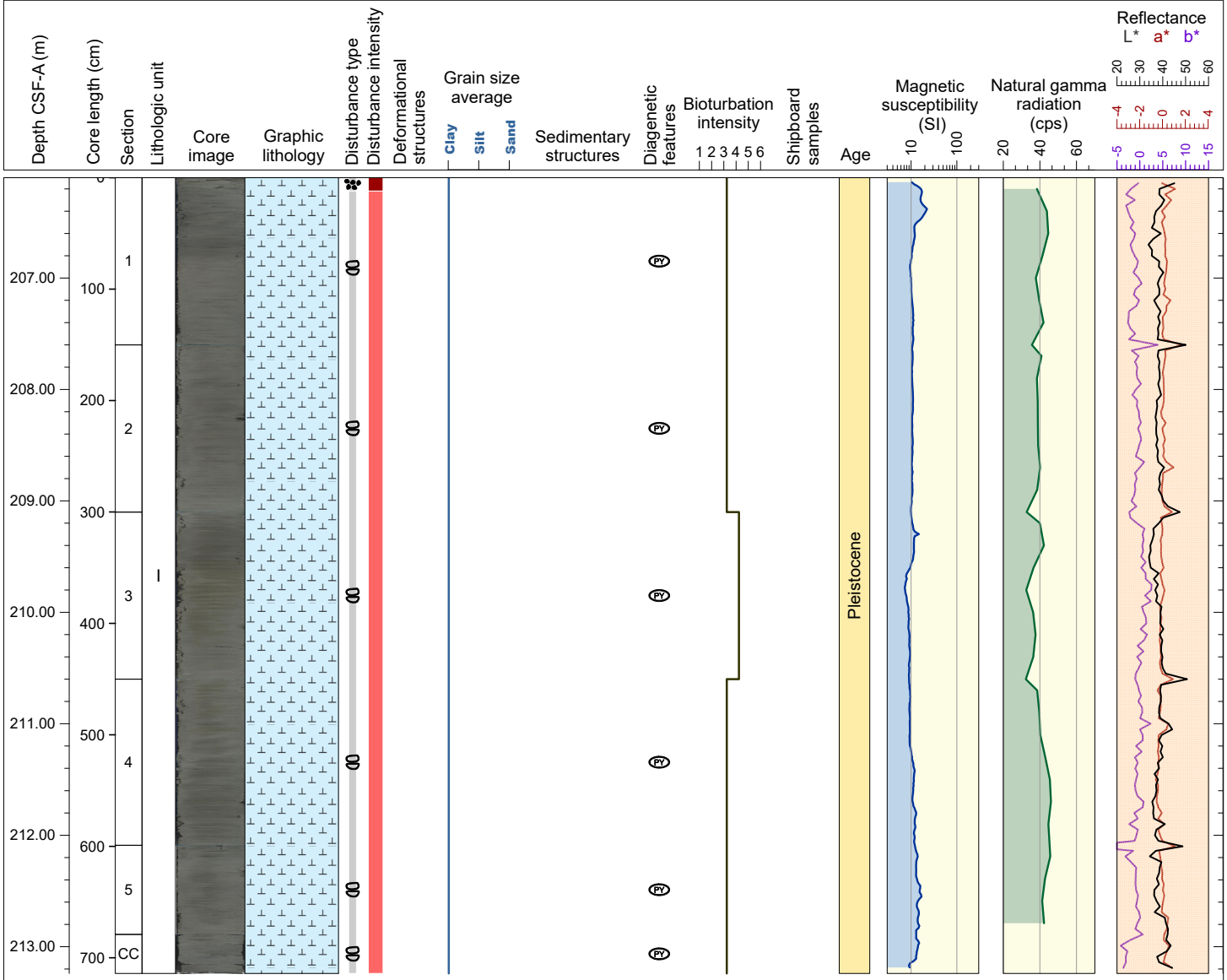
Hole 397-U1588B Core 35X, Interval 201.3-207.68 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core and and Ophiomorpha occurring in Section 4. The uppermost 7 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



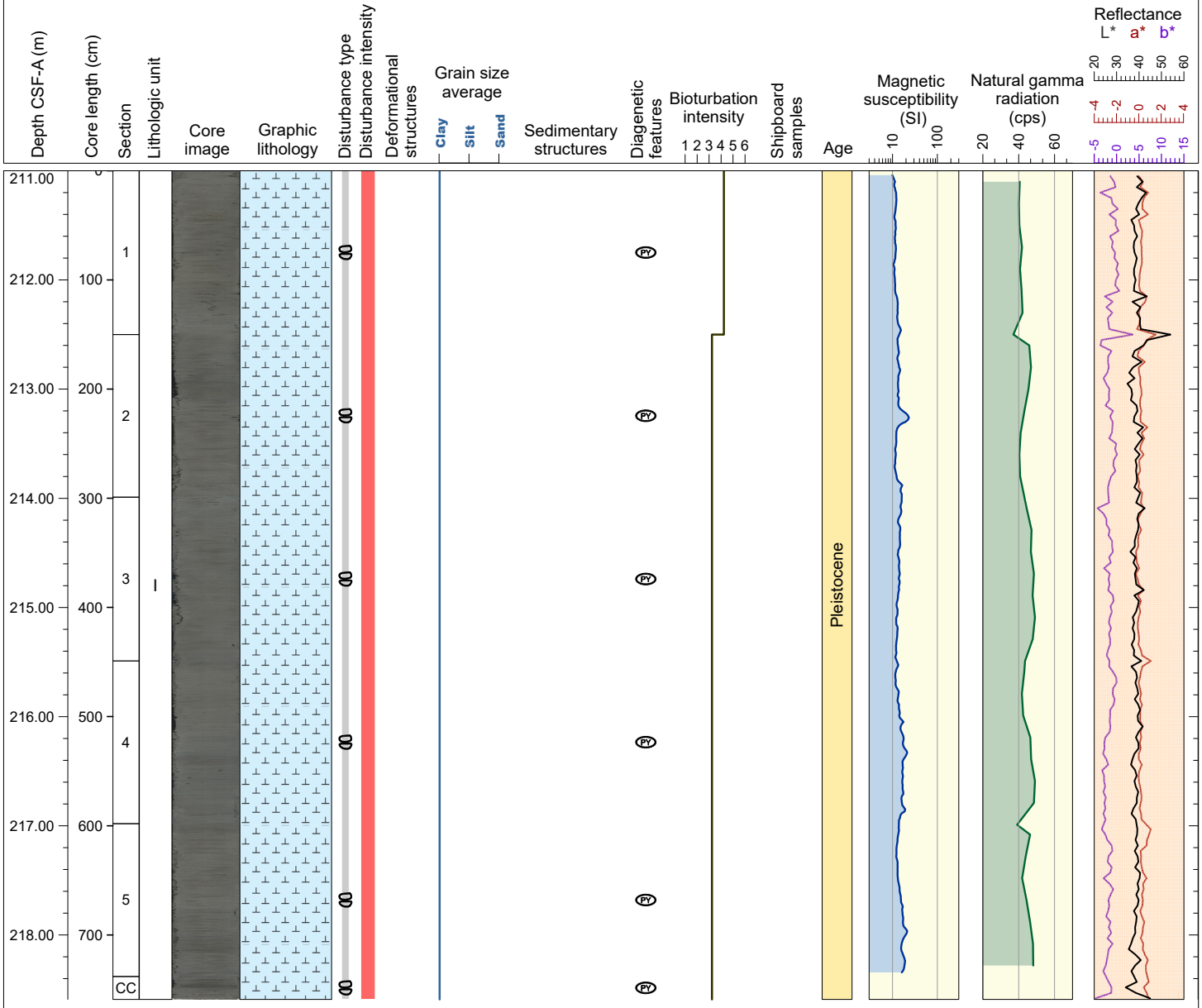
Hole 397-U1588B Core 36X, Interval 206.1-213.24 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The uppermost 12 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



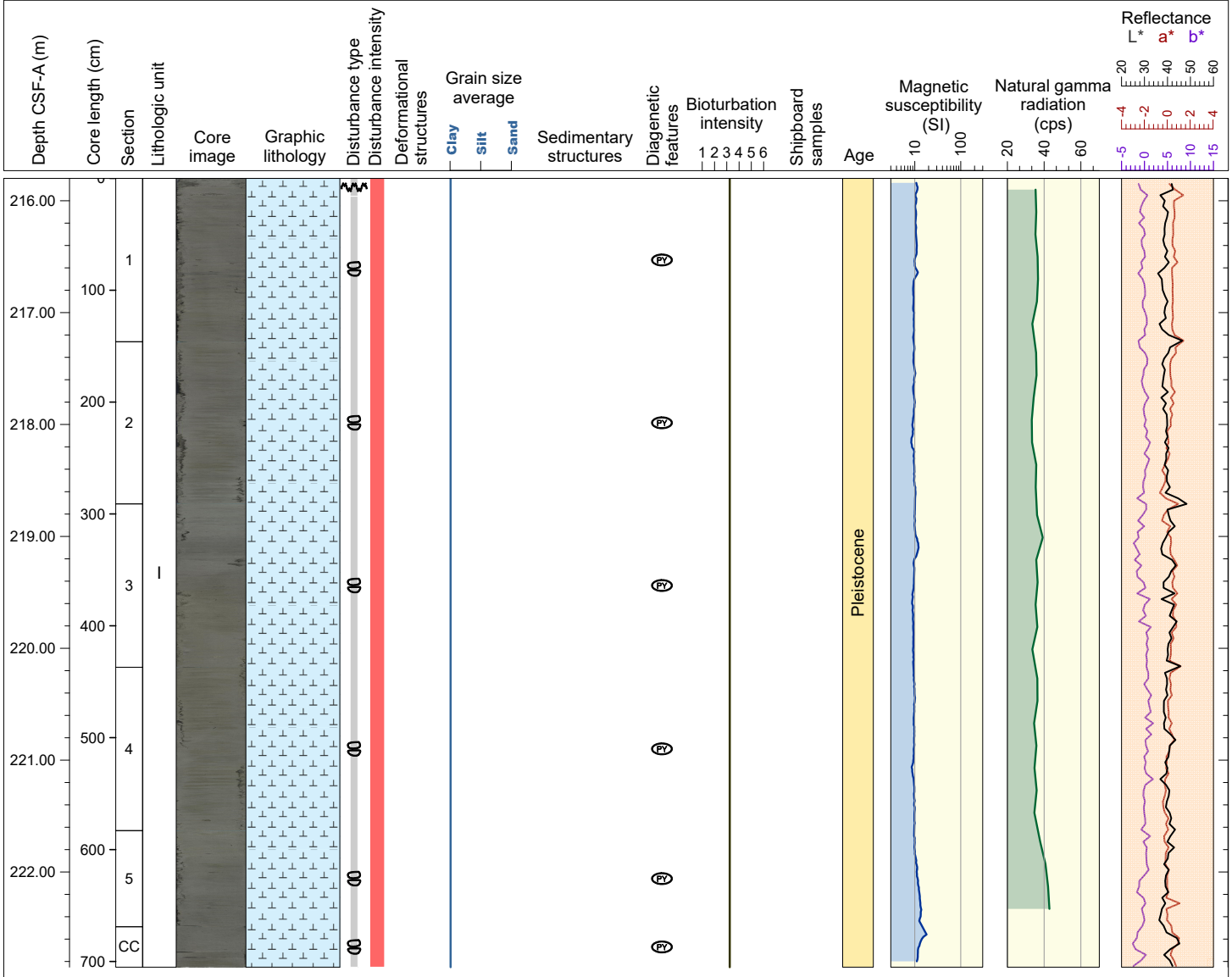
Hole 397-U1588B Core 37X, Interval 211.0-218.59 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections, and dark outlined patches are seen in section 1 and 3. Bioturbation is moderate in Section 1 and slight in other sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The core is moderately disturbed by biscuiting.



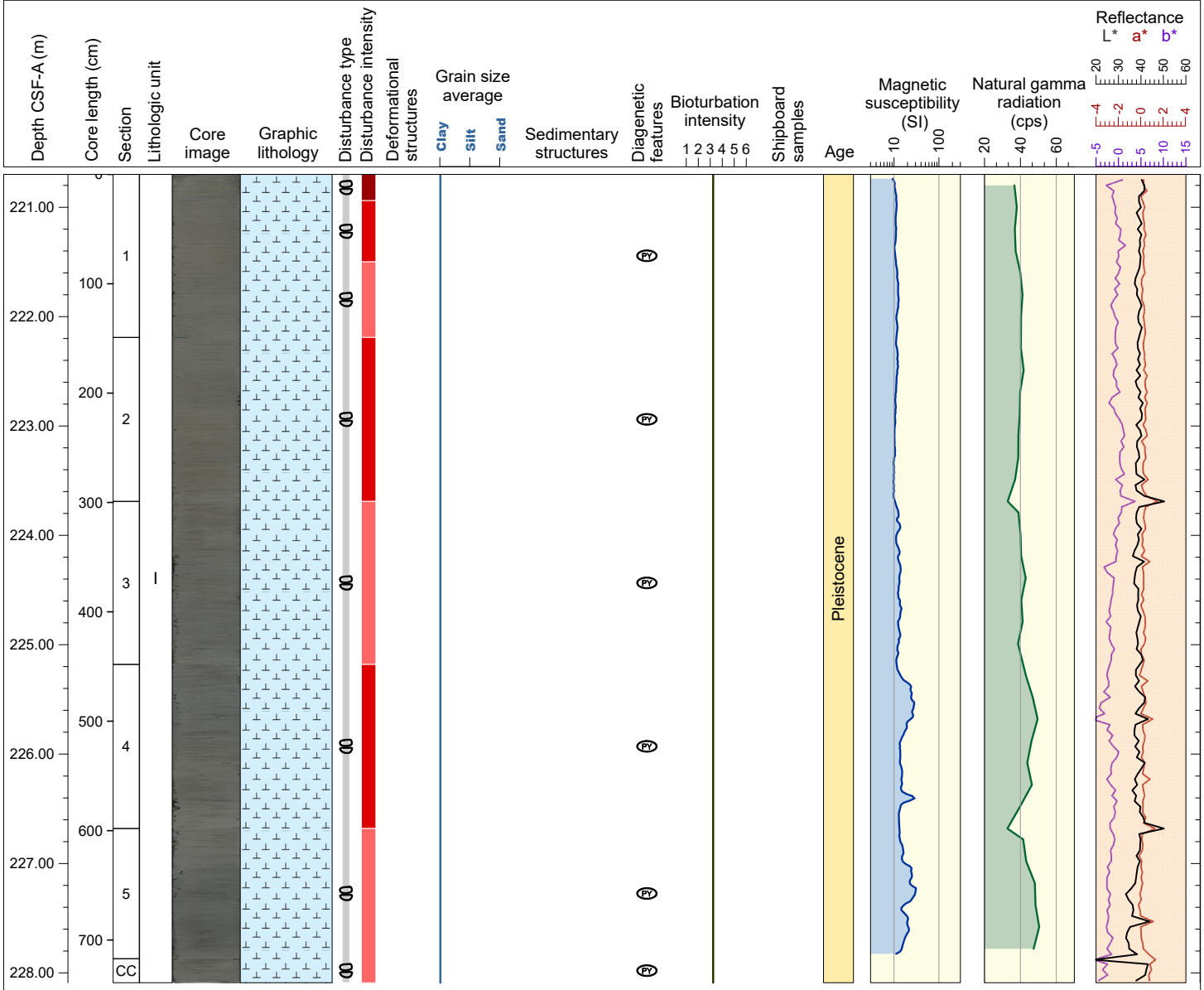
Hole 397-U1588B Core 38X, Interval 215.8-222.85 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The uppermost 16 cm of Section 1 is modestly disturbed by disturbed bedding, and the remaining core is moderately disturbed by biscuiting.



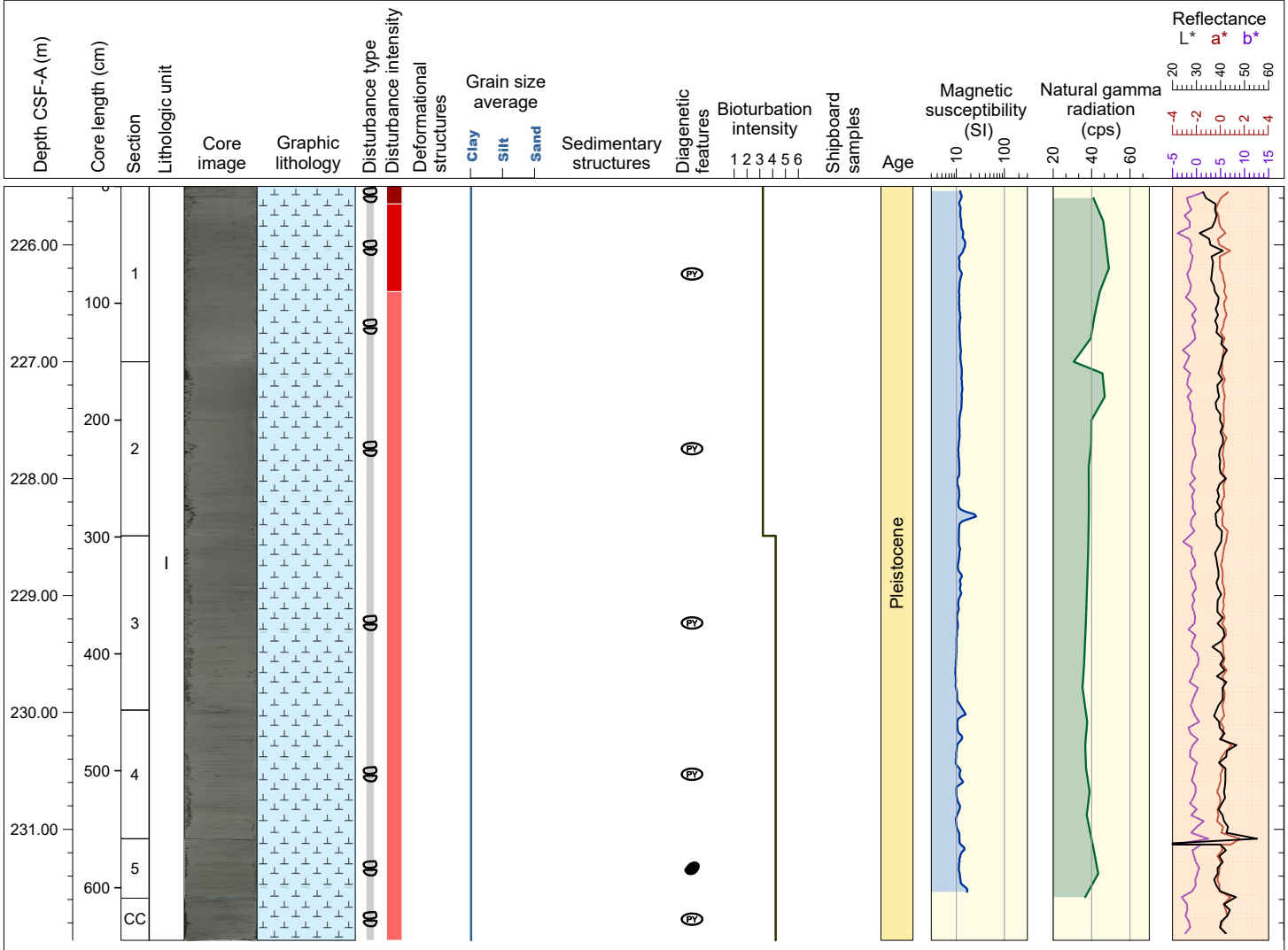
Hole 397-U1588B Core 39X, Interval 220.7-228.09 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections, and dark patches are seen in Sections 3-5. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The core is disturbed by biscuiting by various degrees rating from severe (0-24 cm of Section 1), strong (24-80 cm Section 1, Section 2, and Section 4), and moderate (remaining cores).



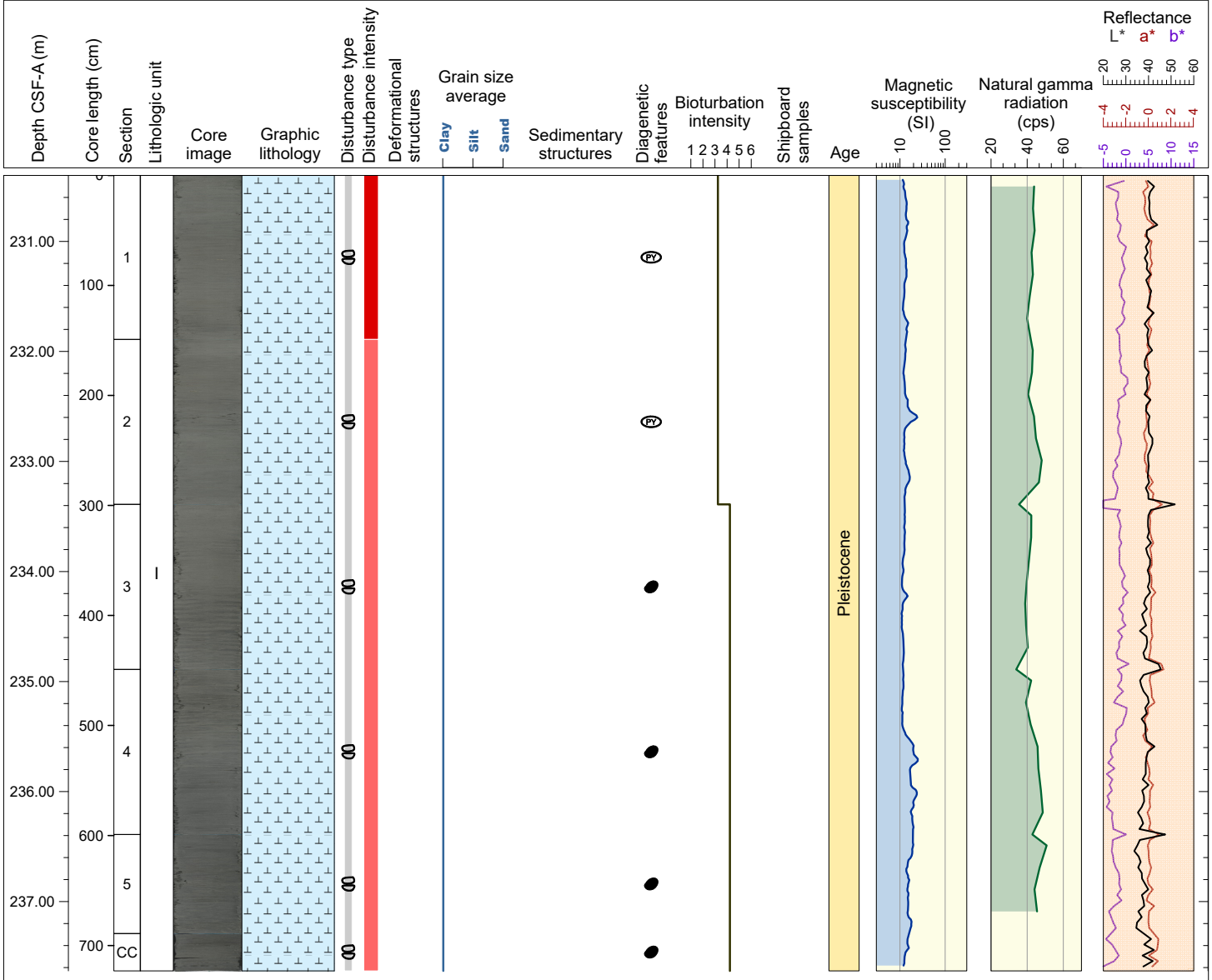
Hole 397-U1588B Core 40X, Interval 225.5-231.95 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections, and dark patches are seen in Sections 1, 3, 4, and CC. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The core is disturbed by biscuiting by various degrees rating from severe (0-15 cm of Section 1), strong (15-90 cm Section 1), to moderate (remaining cores).



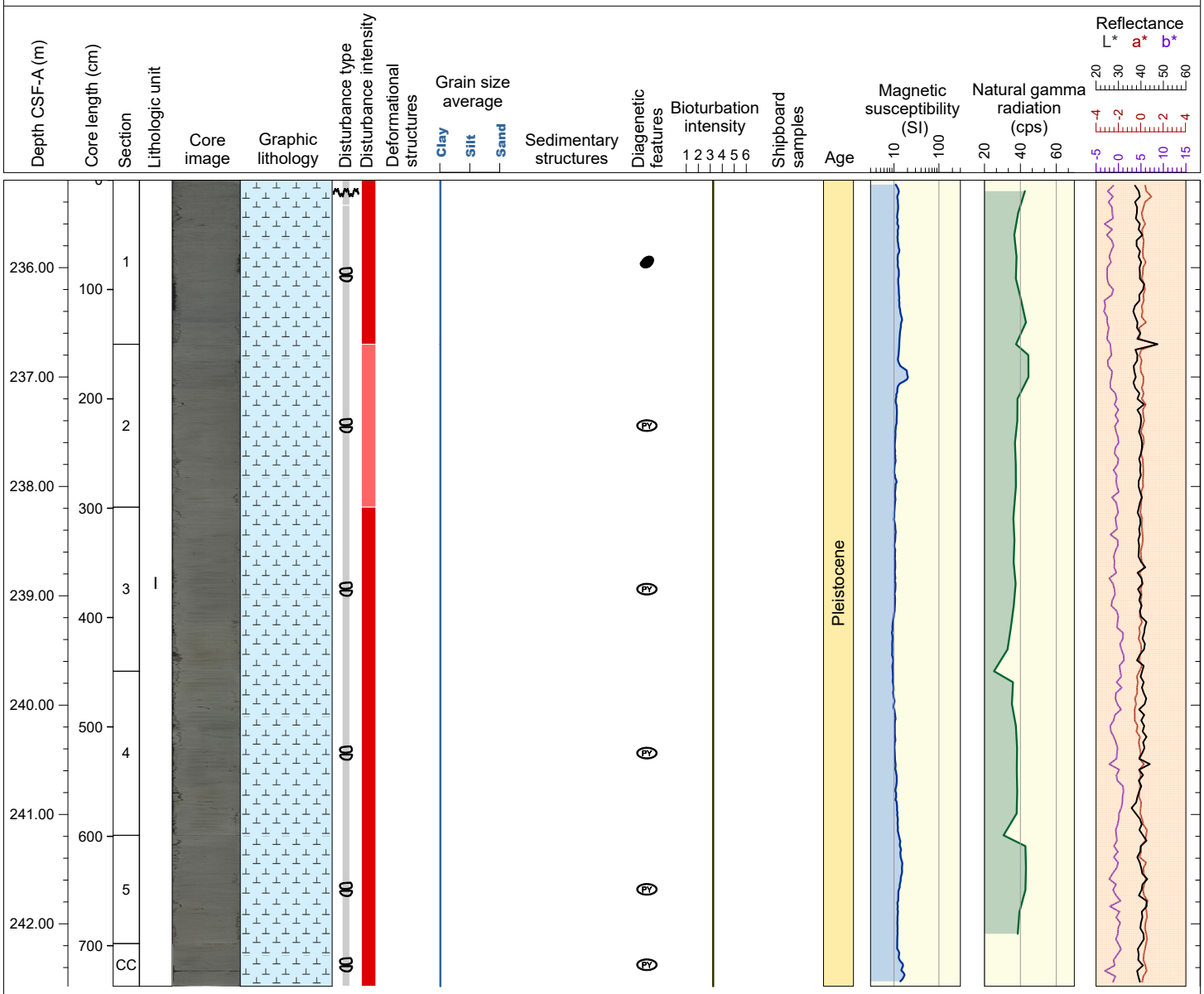
Hole 397-U1588B Core 41X, Interval 230.4-237.63 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite and dark patches occur in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. Rare macrofossils (>2mm gastopodes or other shells) are seen in Section 2. Section 1 is strongly disturbed by biscuiting and other sections are moderately disturbed by biscuiting.



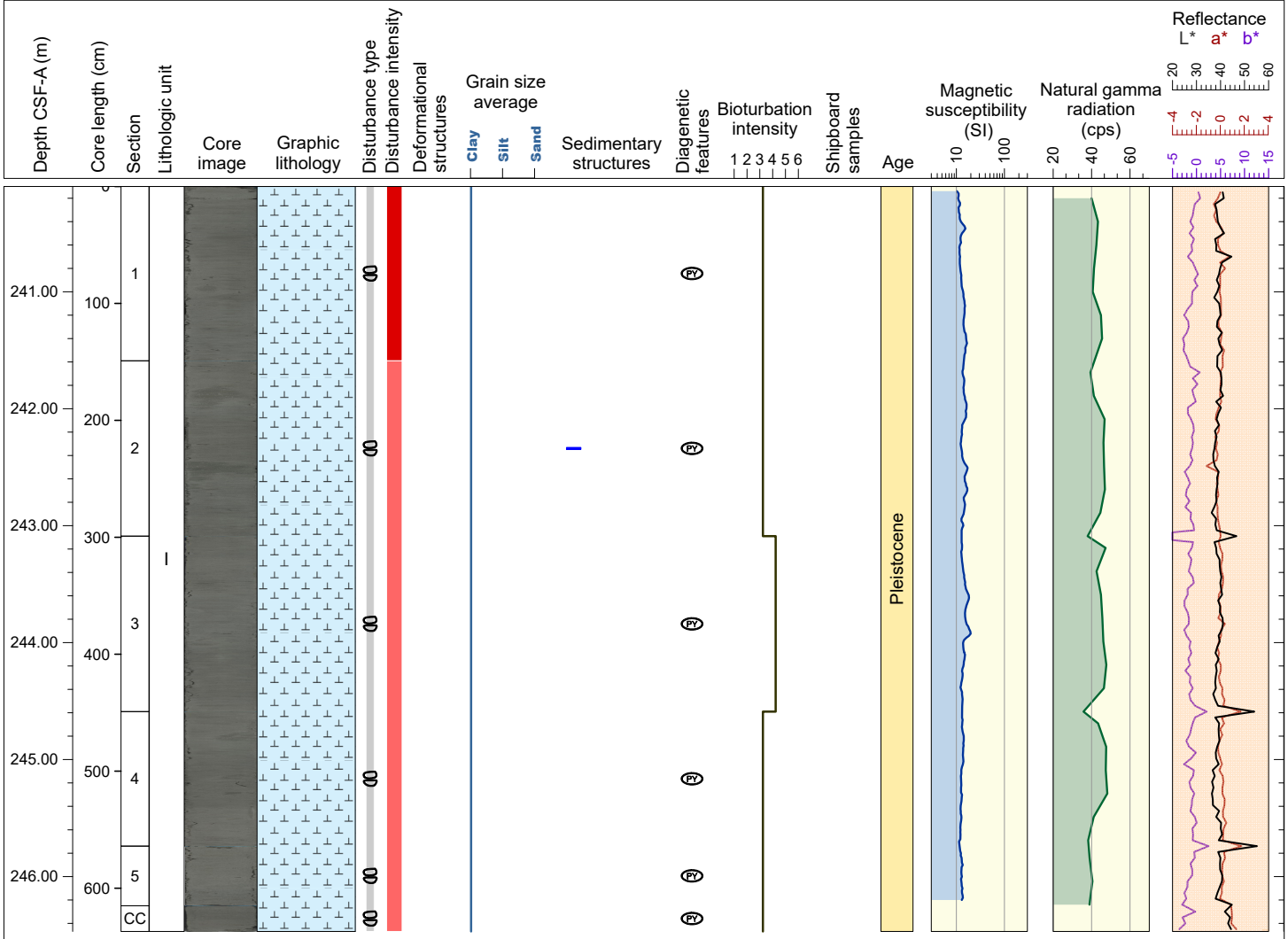
Hole 397-U1588B Core 42X, Interval 235.2-242.57 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections and black patches are seen in Section 1. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The uppermost 23 cm of Section 1 is strongly disturbed by disturbed bedding, and the remaining core is moderately (section 2) and strongly (other sections) disturbed by biscuiting.



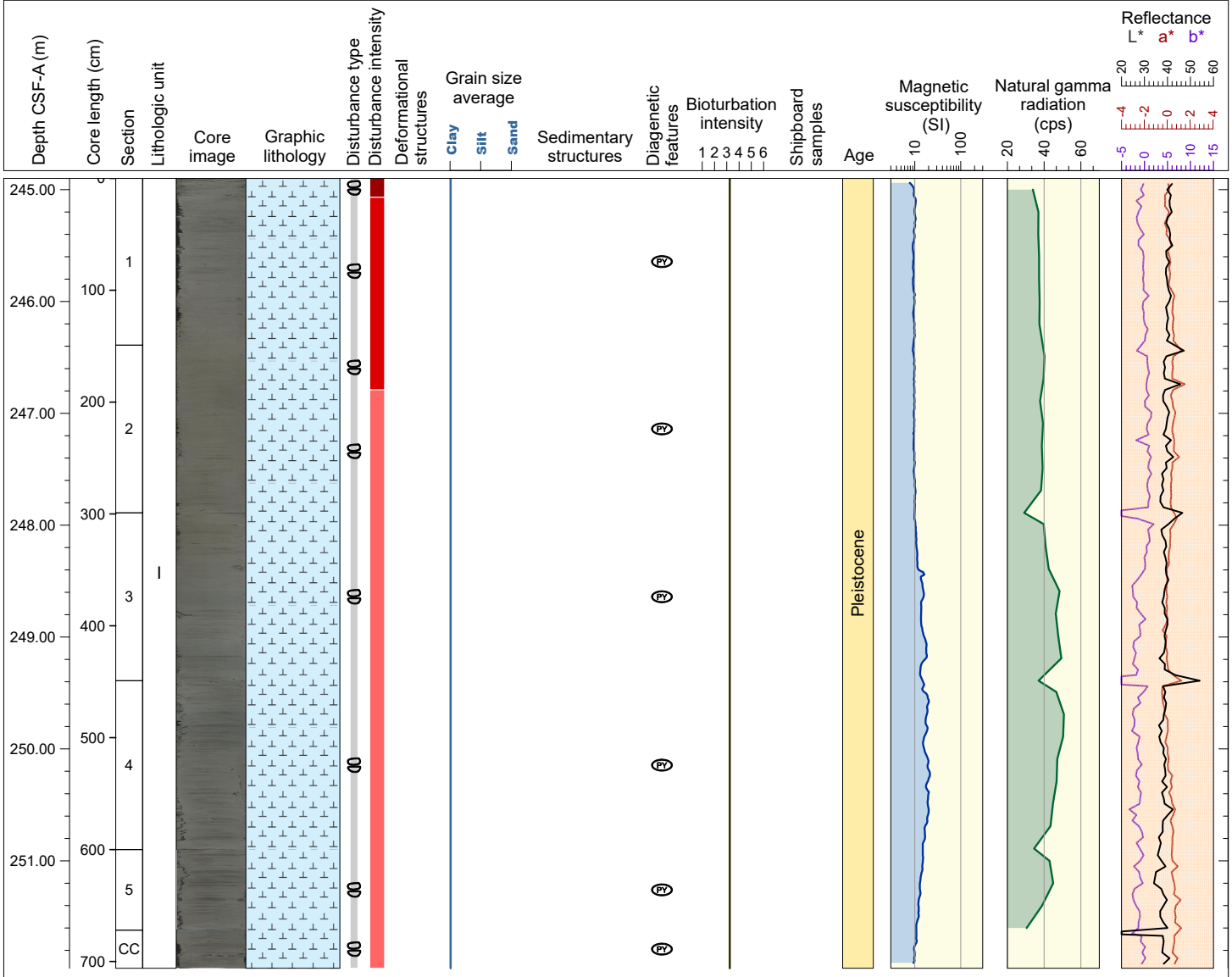
Hole 397-U1588B Core 43X, Interval 240.1-246.47 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is modestly in Section 3 and slight in all other sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. Section 1 is strongly disturbed by biscuiting, and other sections are moderately disturbed by biscuiting.



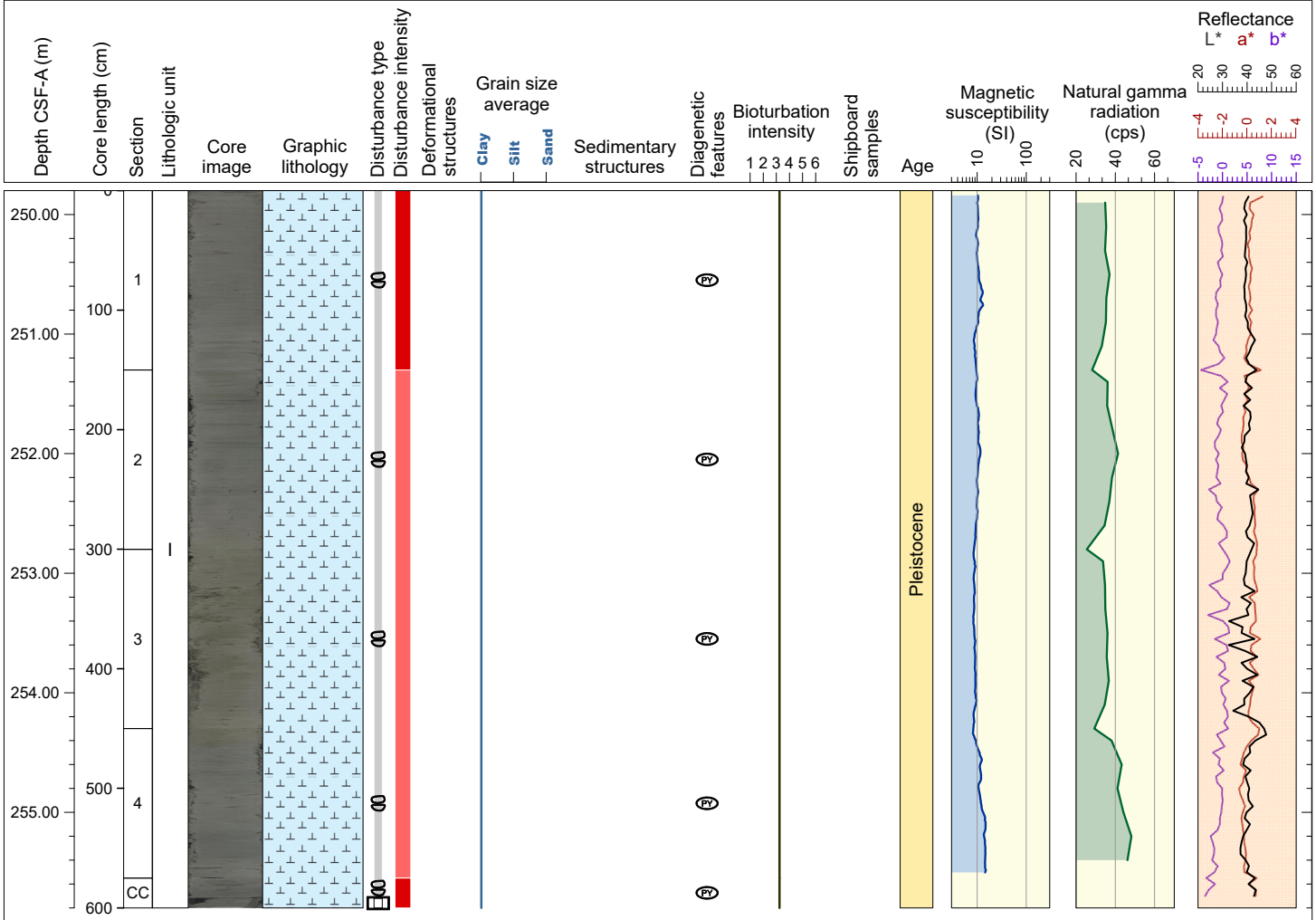
Hole 397-U1588B Core 44X, Interval 244.9-251.96 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The uppermost 17 cm of Section 1 is severely disturbed by biscuiting, and 17-149 cm of Section 1 and 0-40 cm of Section 2 are strongly disturbed by biscuiting, and the remaining core is moderately disturbed by biscuiting.



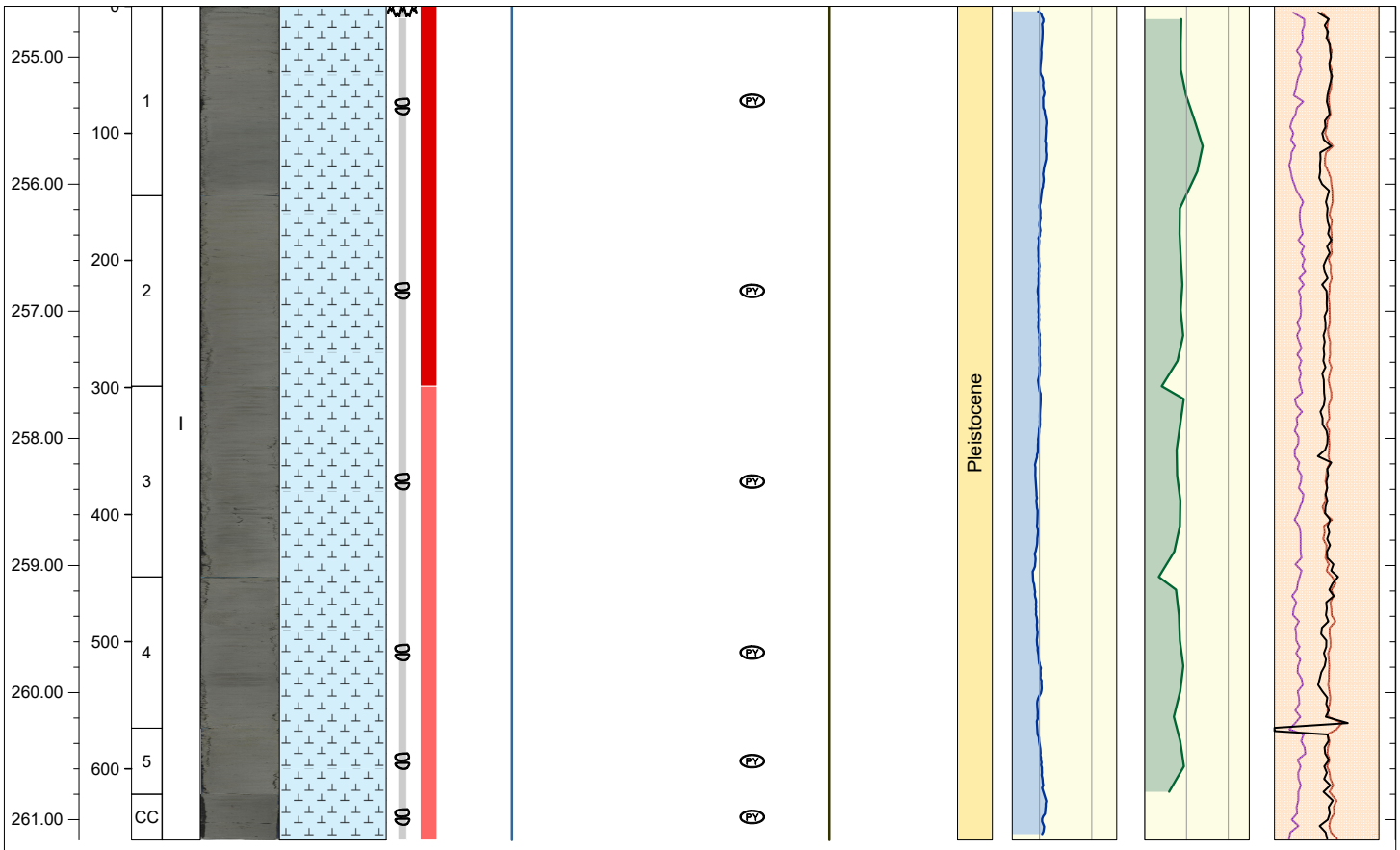
Hole 397-U1588B Core 45X, Interval 249.8-255.8 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. Sections are moderately to strongly disturbed by biscuiting with some fragmentation in Section 3. There is a void from 17-25 cm in the CC.



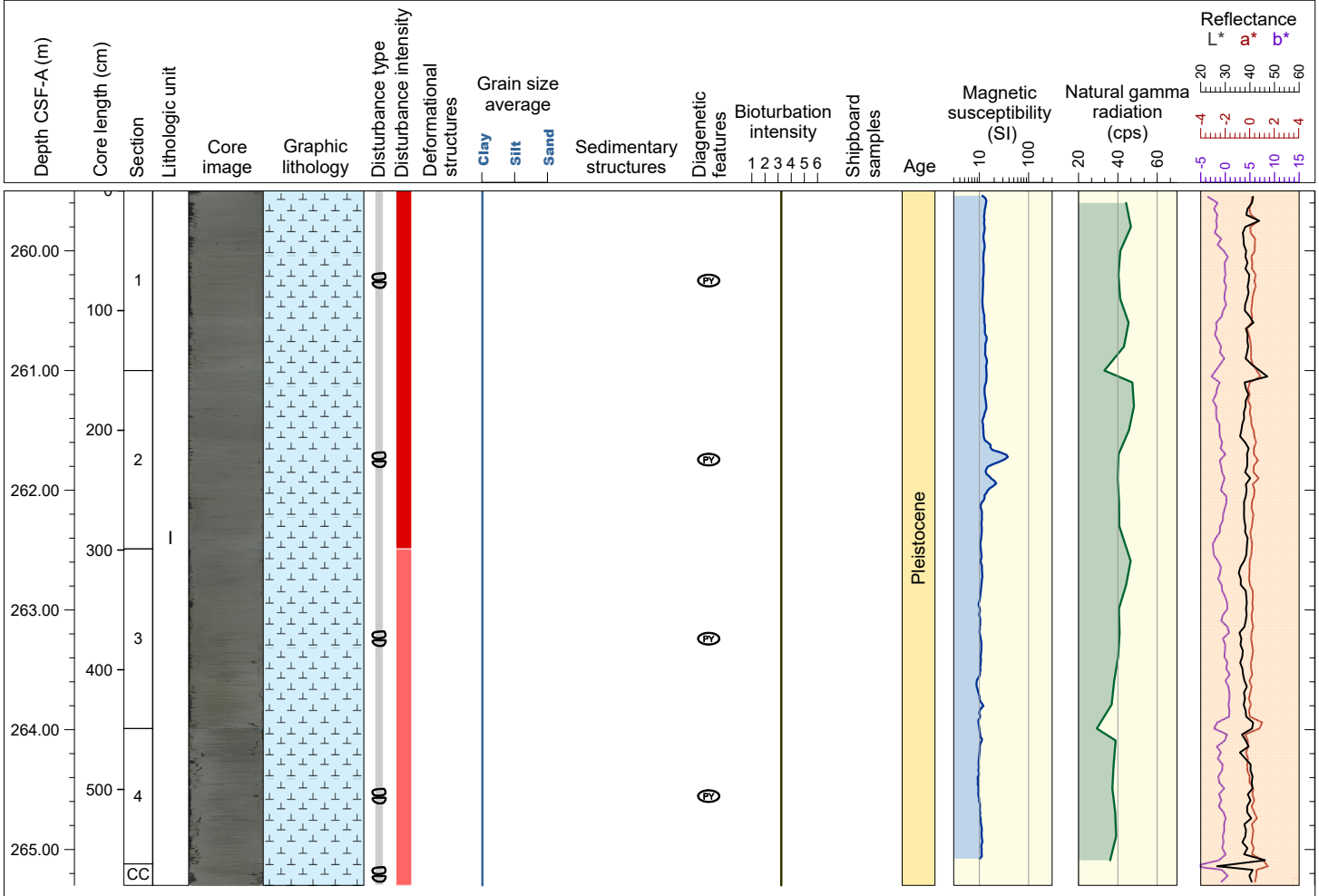
Hole 397-U1588B Core 46X, Interval 254.6-261.16 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. Shell fragments are observed in Sections 5 and CC. Sections are moderately to strongly disturbed by biscuiting. The uppermost 9 cm of Section 1 is strongly disturbed bedding.



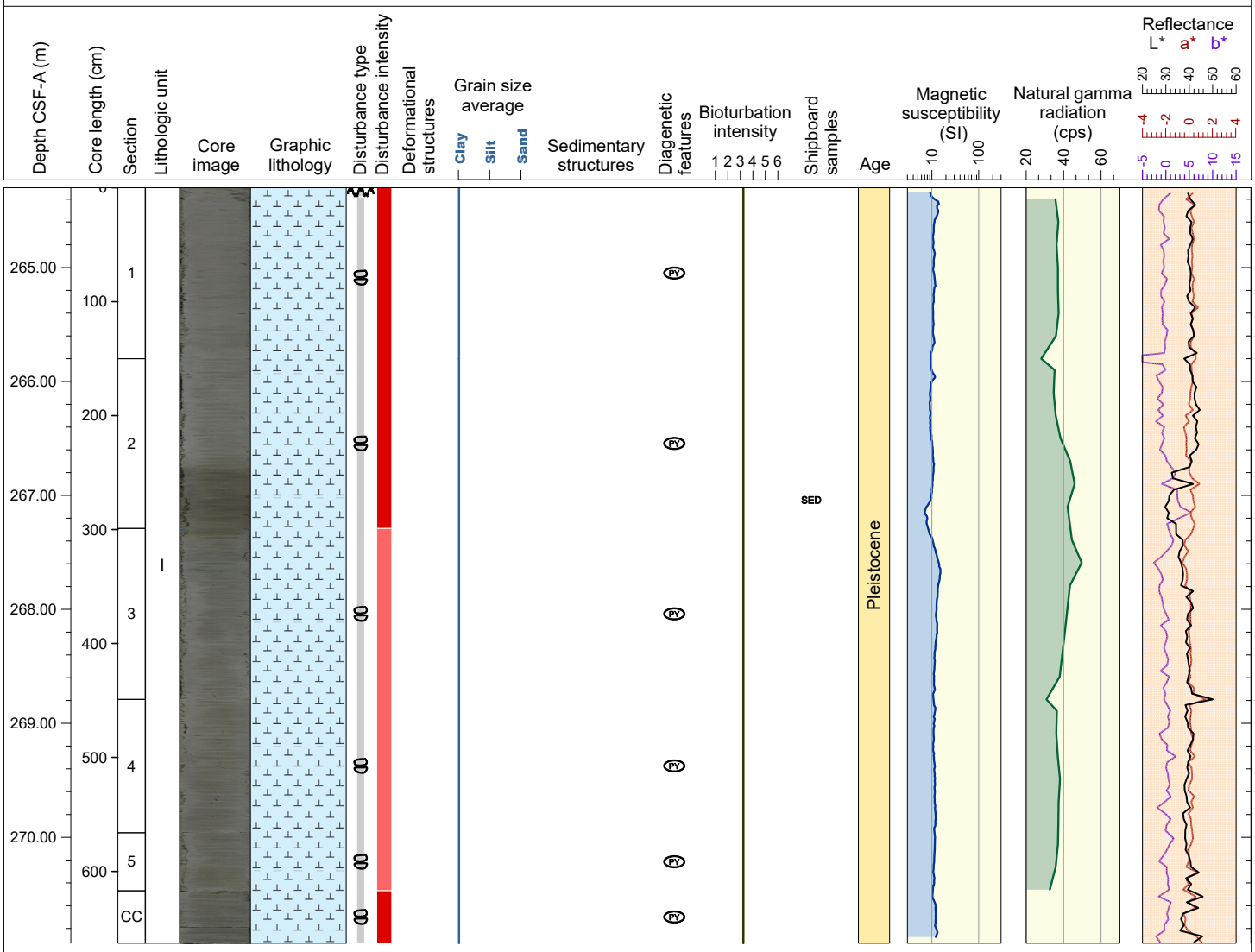
Hole 397-U1588B Core 47X, Interval 259.5-265.3 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in sections 1-4. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. Sections 1 and 2 are moderately to strongly disturbed by biscuiting and other sections are moderately disturbed by biscuiting.



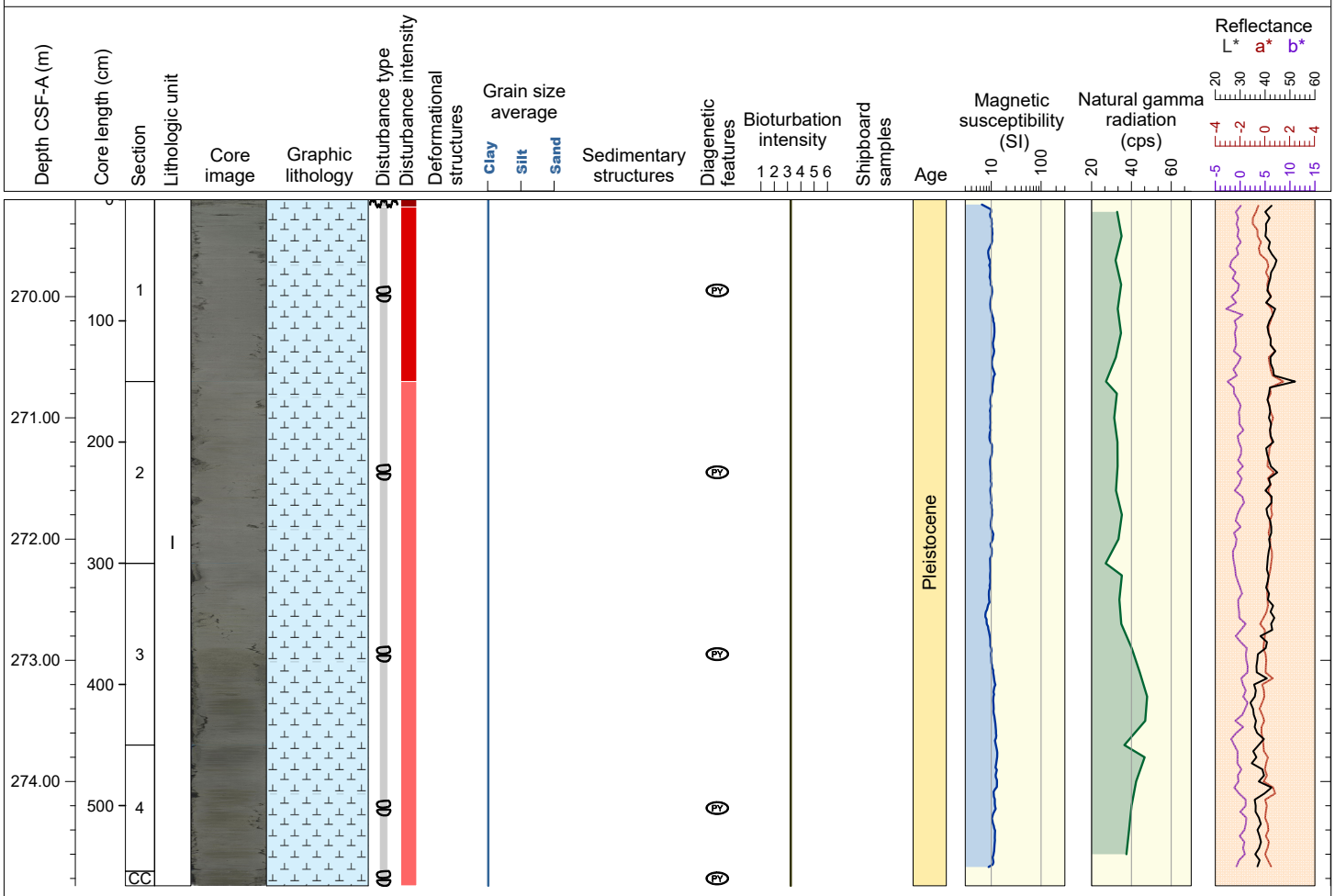
Hole 397-U1588B Core 48X, Interval 264.3-270.93 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Section 2 contains greenish sediments with trace/broken diatoms based on smear slide checking. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The uppermost 8 cm of Section 1 is strongly disturbed by disturbed bedding, 8-150 cm of Section 1, sections 2 and CC are strongly disturbed by biscuiting, and remaining cores are moderately disturbed by biscuiting.



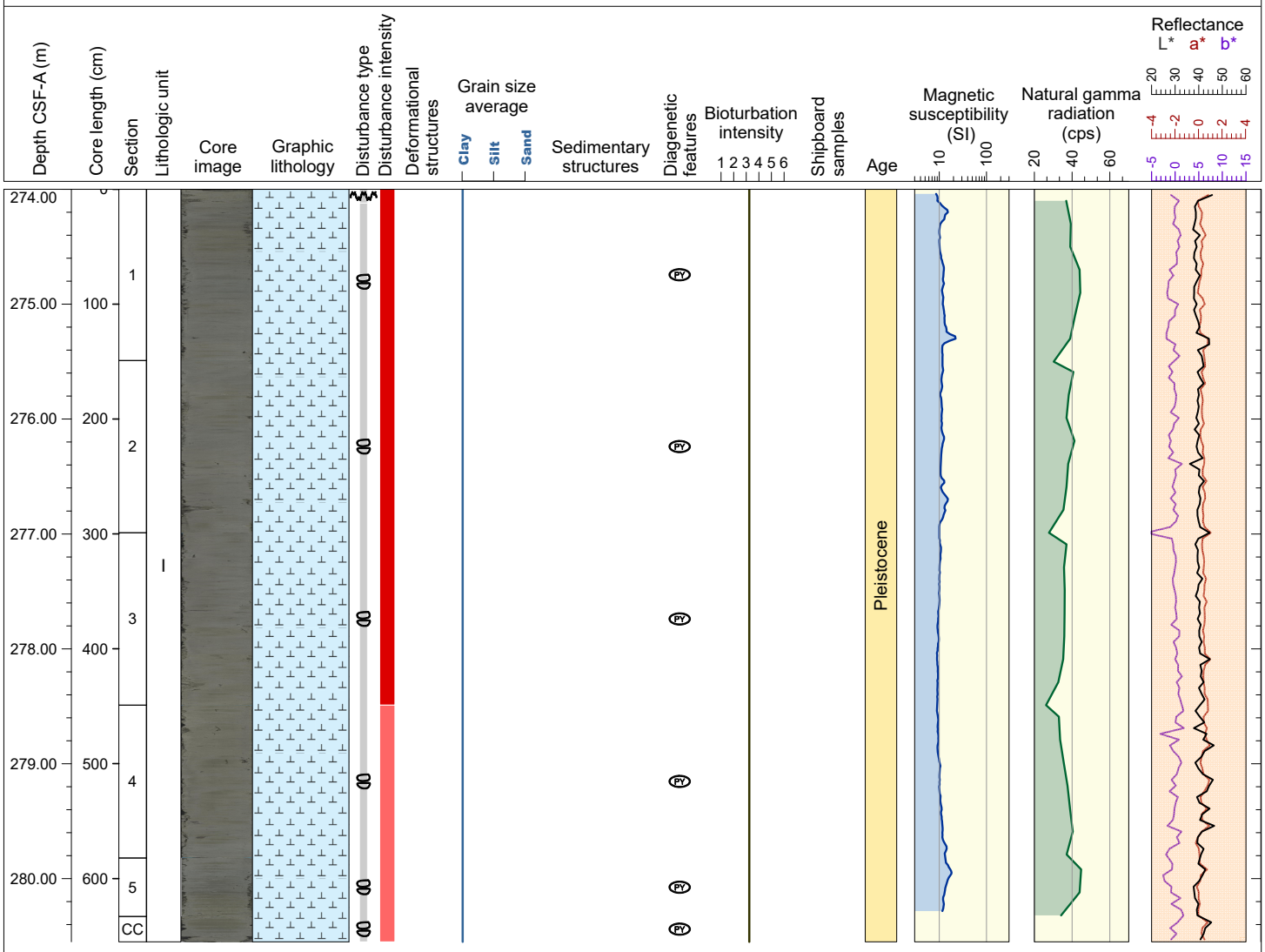
Hole 397-U1588B Core 49X, Interval 269.2-274.86 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The uppermost 6 cm of Section 1 is strongly disturbed by disturbed bedding, 6-150 cm of Section 1 is strongly disturbed by biscuiting, and remaining cores are moderately disturbed by biscuiting.



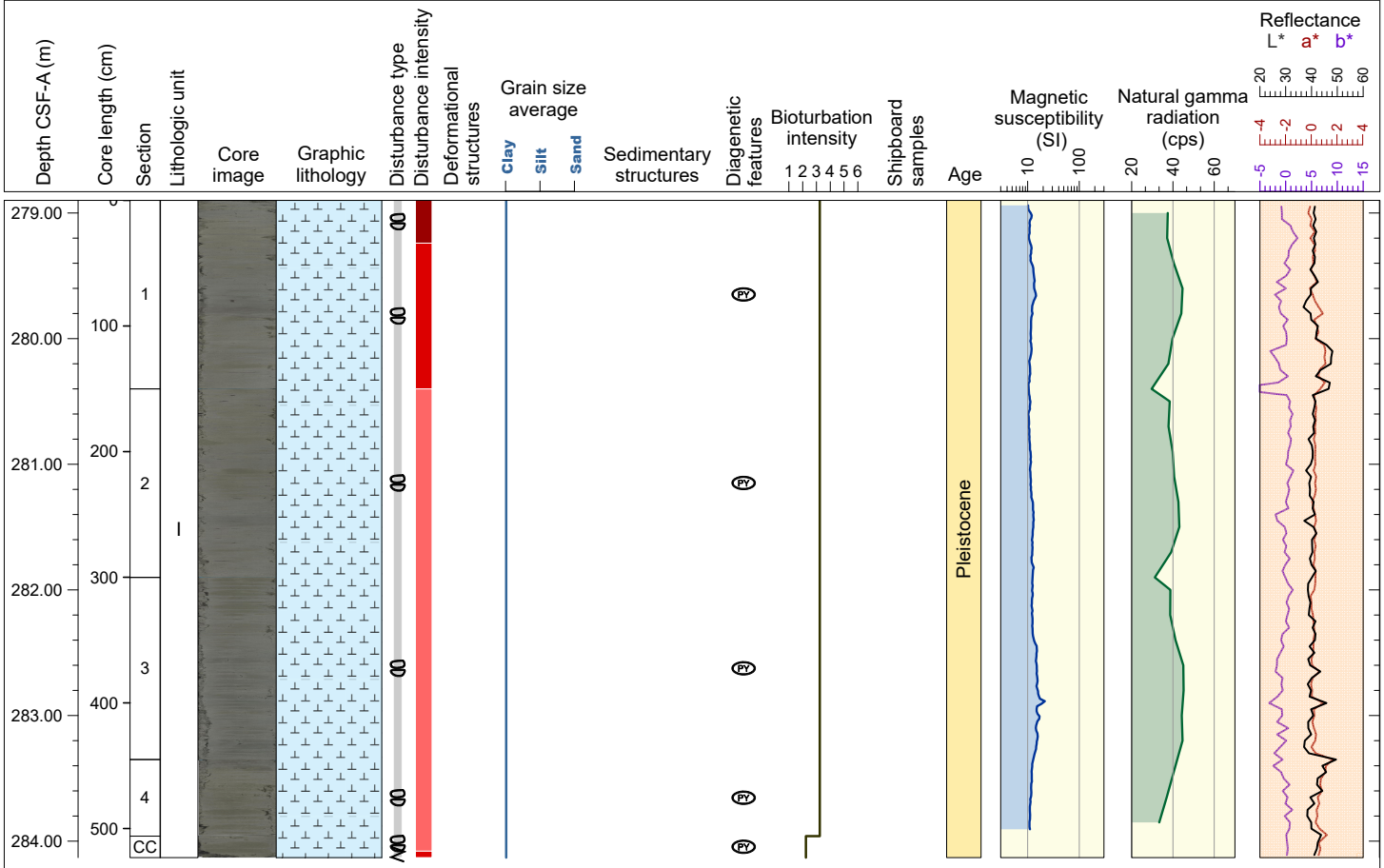
Hole 397-U1588B Core 50X, Interval 274.0-280.55 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Rare macrofossils at 30 cm in Section 2 and 89 cm in Section 3 are seen. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. The uppermost 12 cm of Section 1 is strongly disturbed by disturbed bedding, 12-150 cm of Section 1 and Sections 2-3 are strongly disturbed by biscuiting, and remaining cores are moderately disturbed by biscuiting.



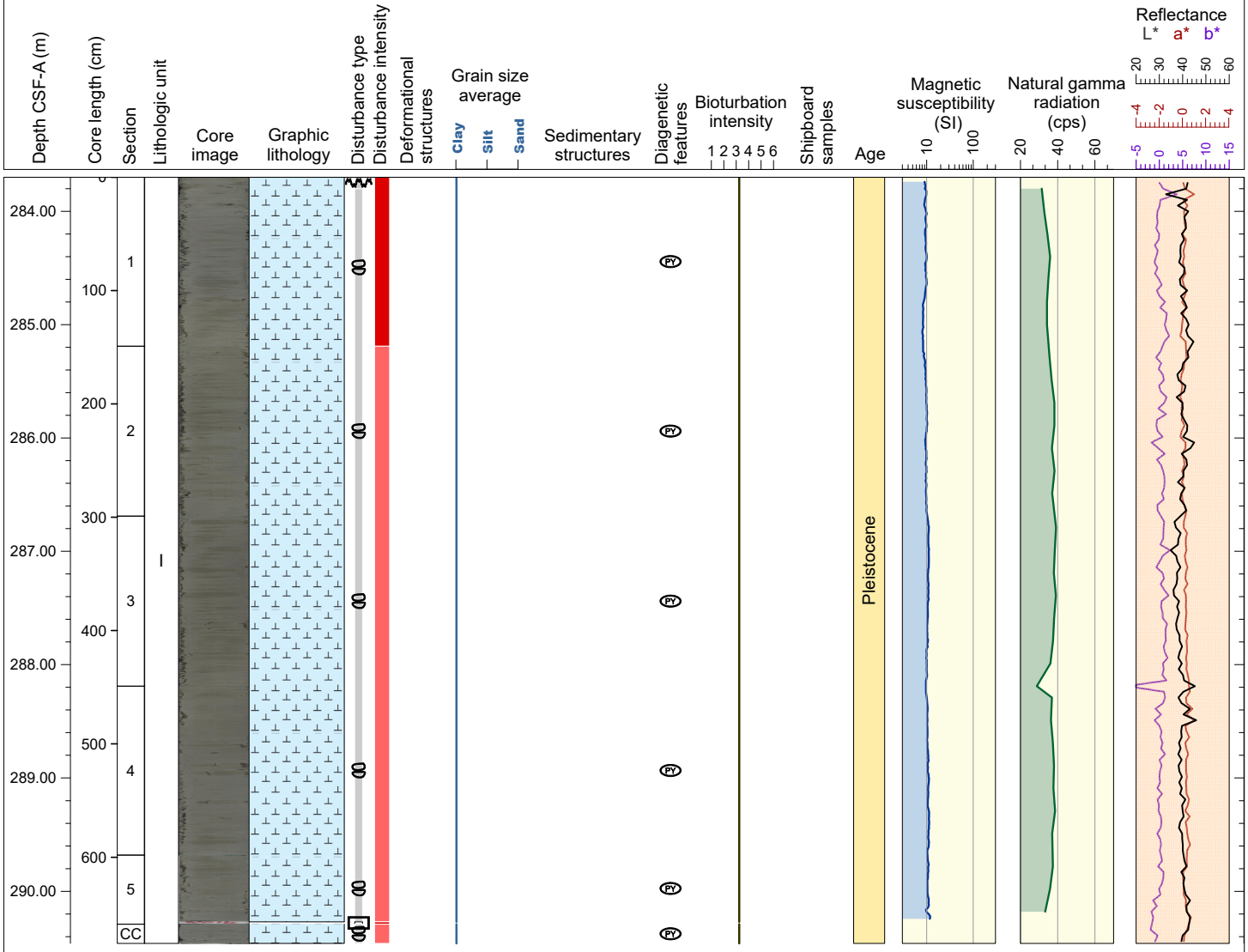
Hole 397-U1588B Core 51X, Interval 278.9-284.13 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core, and Ophiomorpha occurring in Section 3. The uppermost 34 cm of Section 1 is severely disturbed by biscuiting, 34-150 cm of Section 1 is strongly disturbed by biscuiting, and 12-17 of CC is strongly disturbed by fragmentation, and the remaining cores are moderately disturbed by biscuiting.



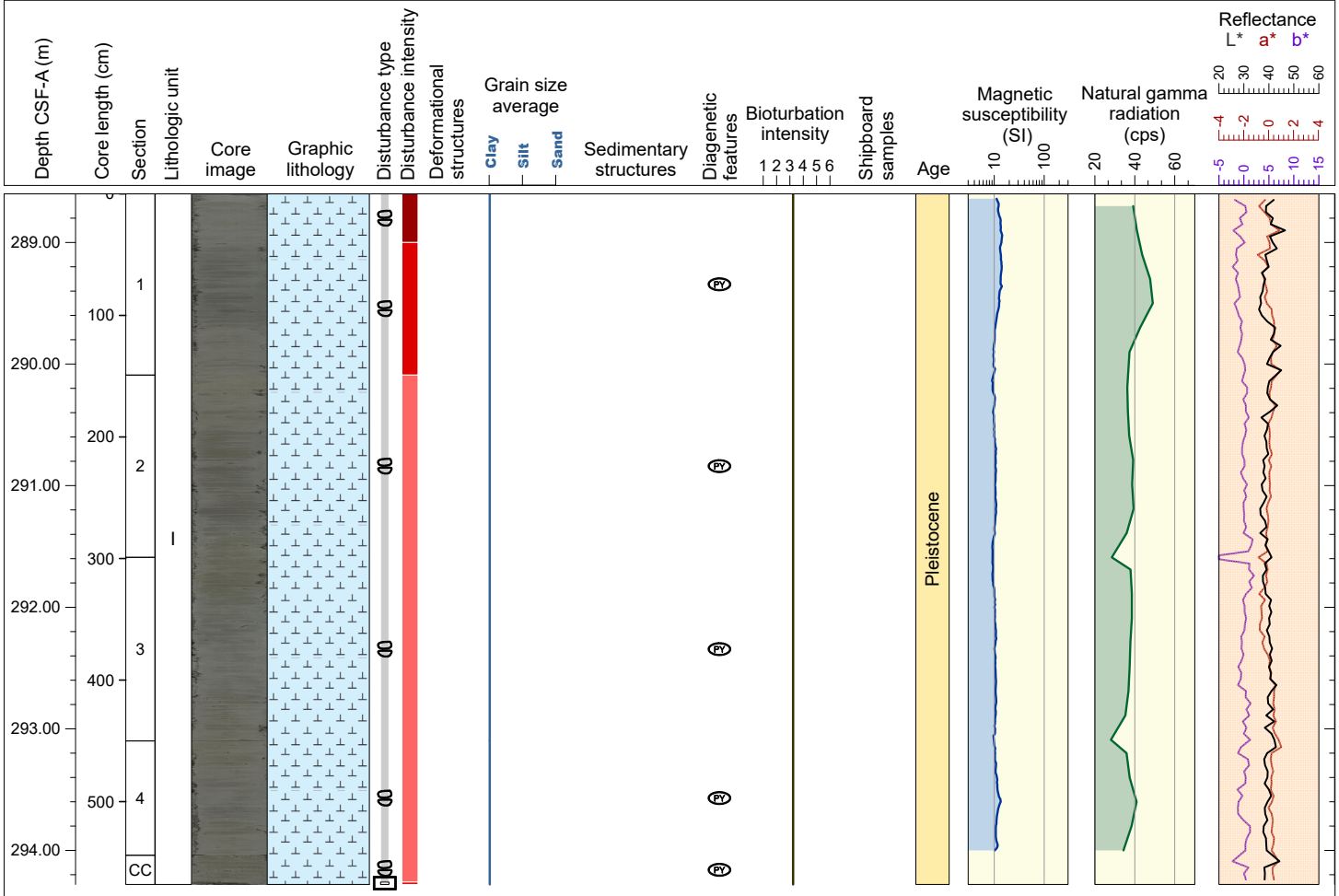
Hole 397-U1588B Core 52X, Interval 283.7-290.46 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core, and Zoophycos is also seen in Section 2. The uppermost 10 cm of Section 1 is strongly disturbed by disturbed bedding, 10-149 cm of Section 1 is strongly disturbed by biscuiting, and remaining cores are moderately disturbed by biscuiting.



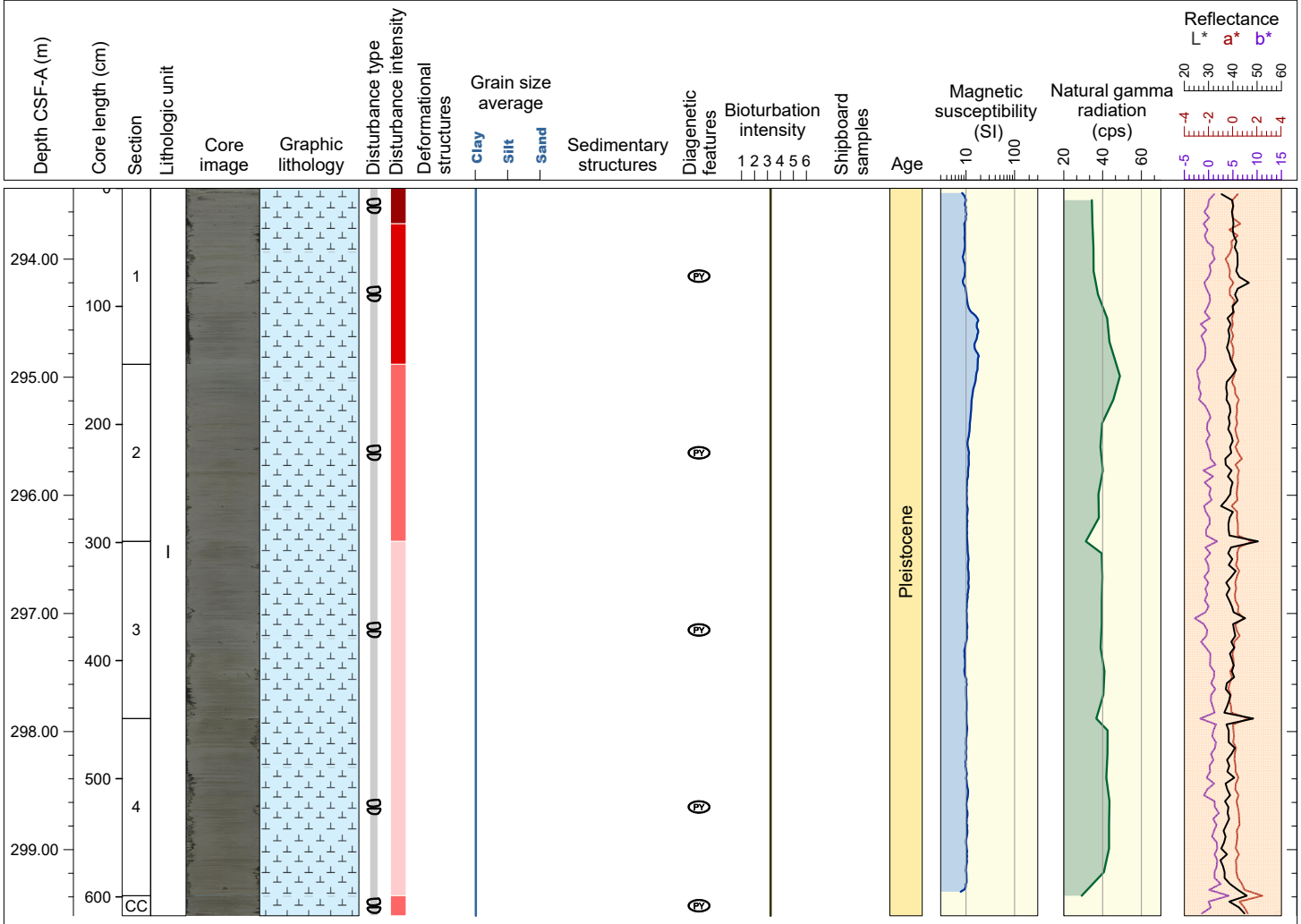
Hole 397-U1588B Core 53X, Interval 288.6-294.28 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed throughout the core. Rare macrofossils (gastropods?) are seen at 30 cm in Section 4. The uppermost 40 cm of Section 1 is severely disturbed by biscuiting, 40-149 cm of Section 1 is strongly disturbed by biscuiting, and remaining cores are moderately disturbed by biscuiting.



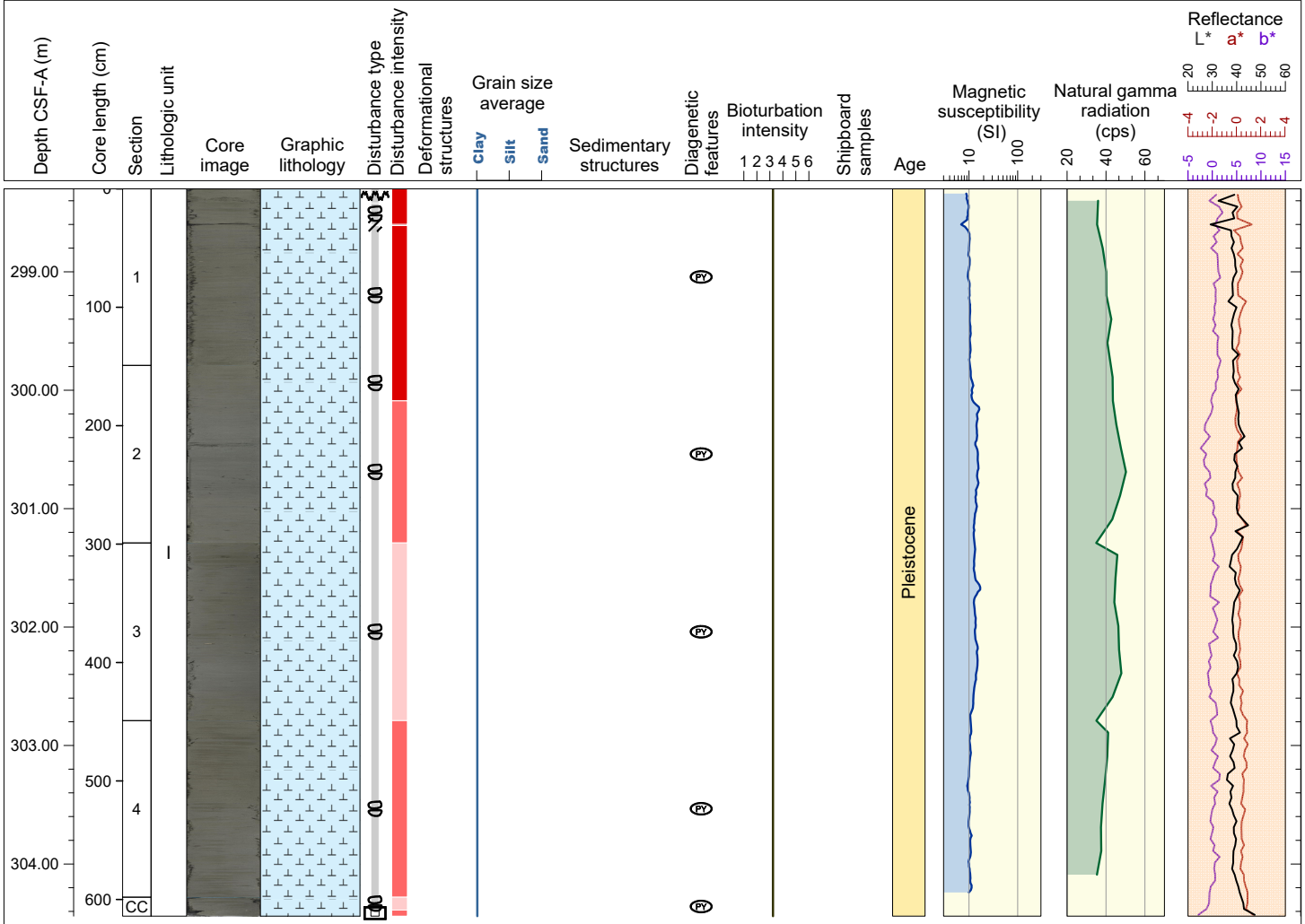
Hole 397-U1588B Core 54X, Interval 293.4-299.56 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites, Planolites and Thalassinoides observed in Sections 1-3, and Chondrites, and Thalassinoides observed in Section 4, and Chondrites is observed in CC. The uppermost 30 cm of Section 1 is severely disturbed by biscuiting, 30-149 cm of Section 1 is strongly disturbed by biscuiting, Section2 and CC are moderately disturbed by biscuiting, and Sections 3-4 are slightly disturbed by biscuiting.



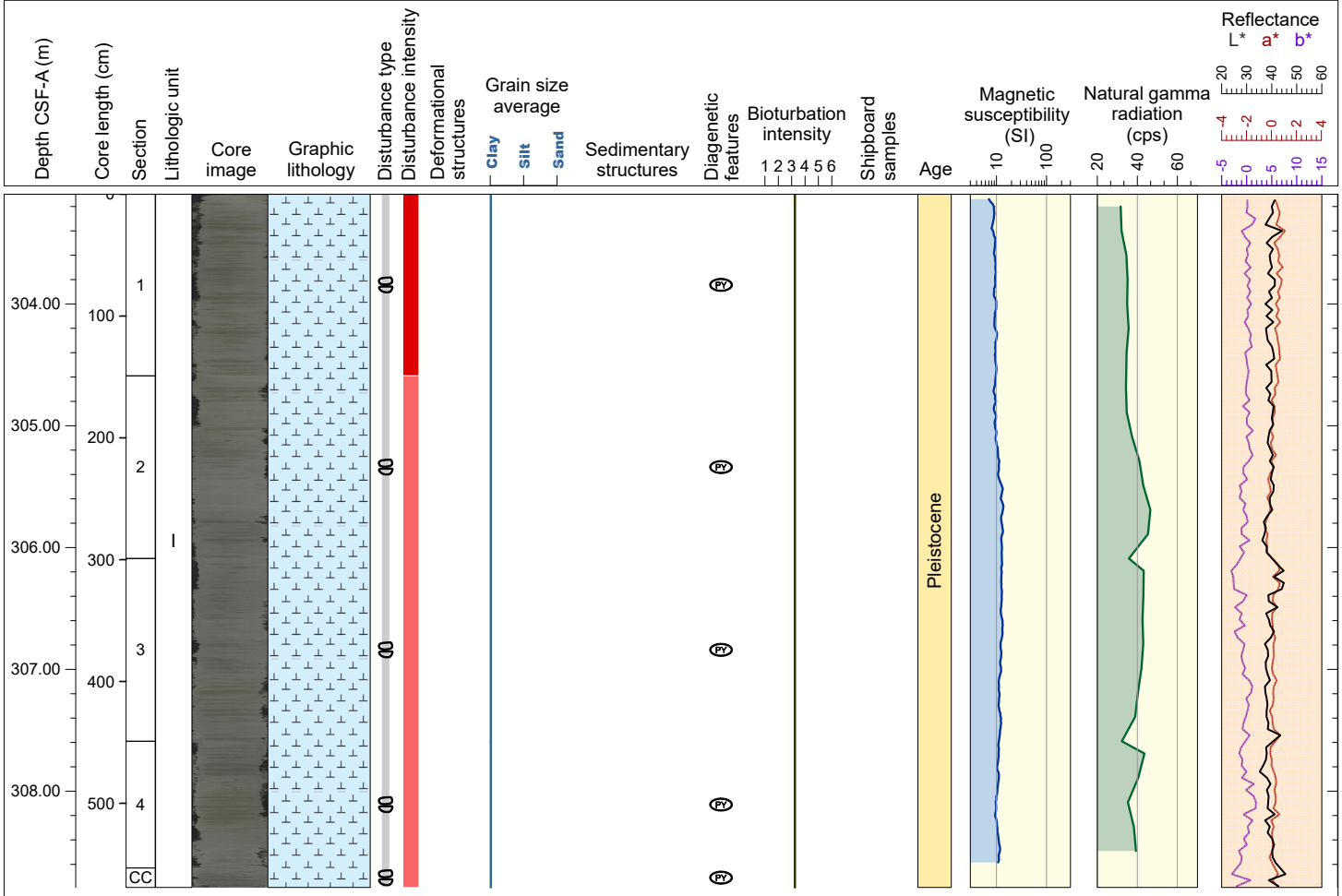
Hole 397-U1588B Core 55X, Interval 298.3-304.44 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites observed in all sections and Thalassinoides in Sections 1 and 2. Rare macrofossils (shells) are seen at 85 cm in Section 3. The uppermost 12 cm of Section 1 is strongly disturbed by disturbed bedding, biscuiting is seen in other sections with strong (Sections 1 &2), moderate (Sections 2, 4, CC) and slight (Section 3) intensities. A crack is seen at 30-31 cm of Section 1.



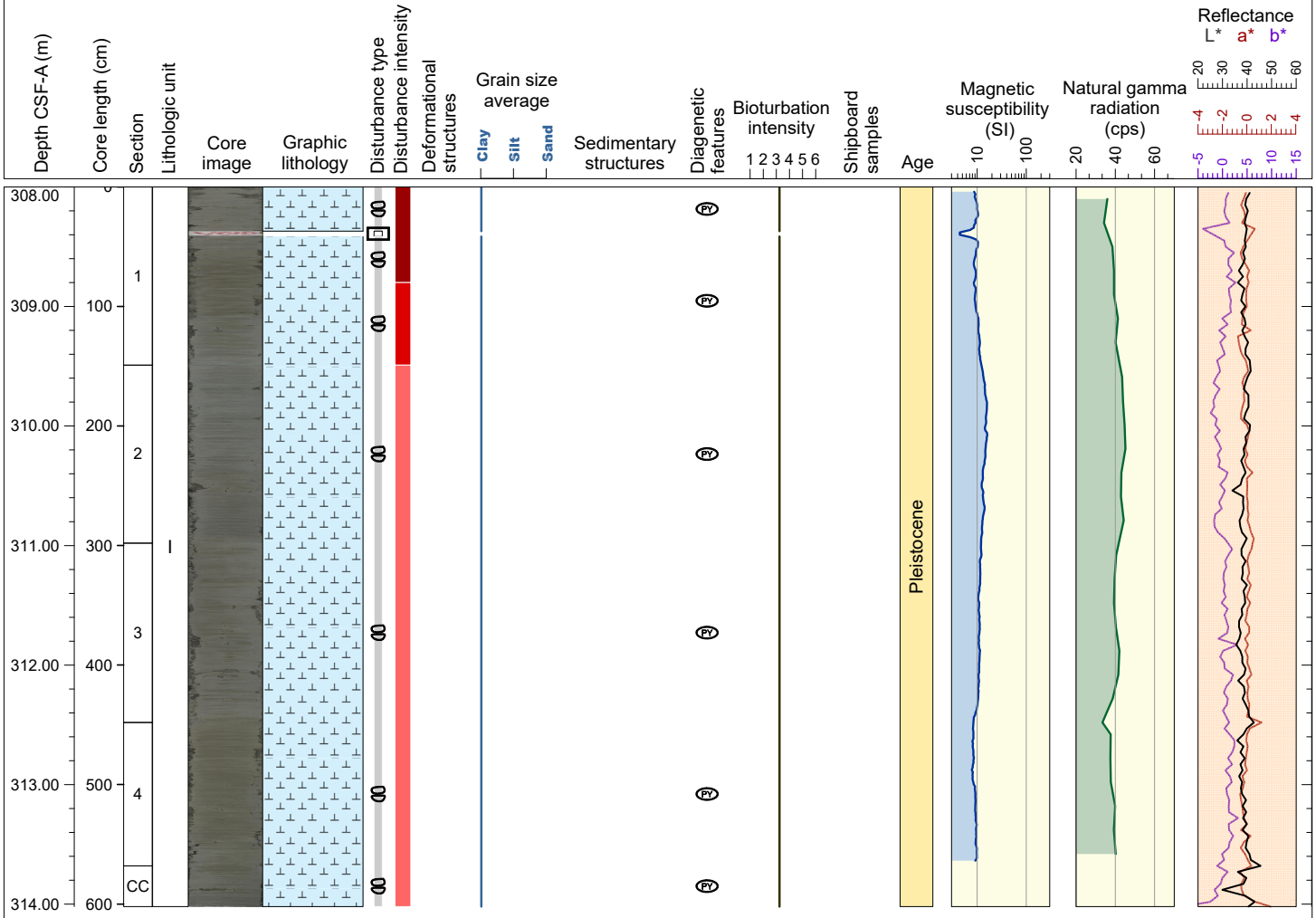
Hole 397-U1588B Core 56X, Interval 303.1-308.79 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites observed in all sections, Planolites in Sections 1-4, and Thalassinoides in Sections 2-CC. Section is strongly disturbed by biscuiting, while other sections are moderately disturbed by biscuiting.



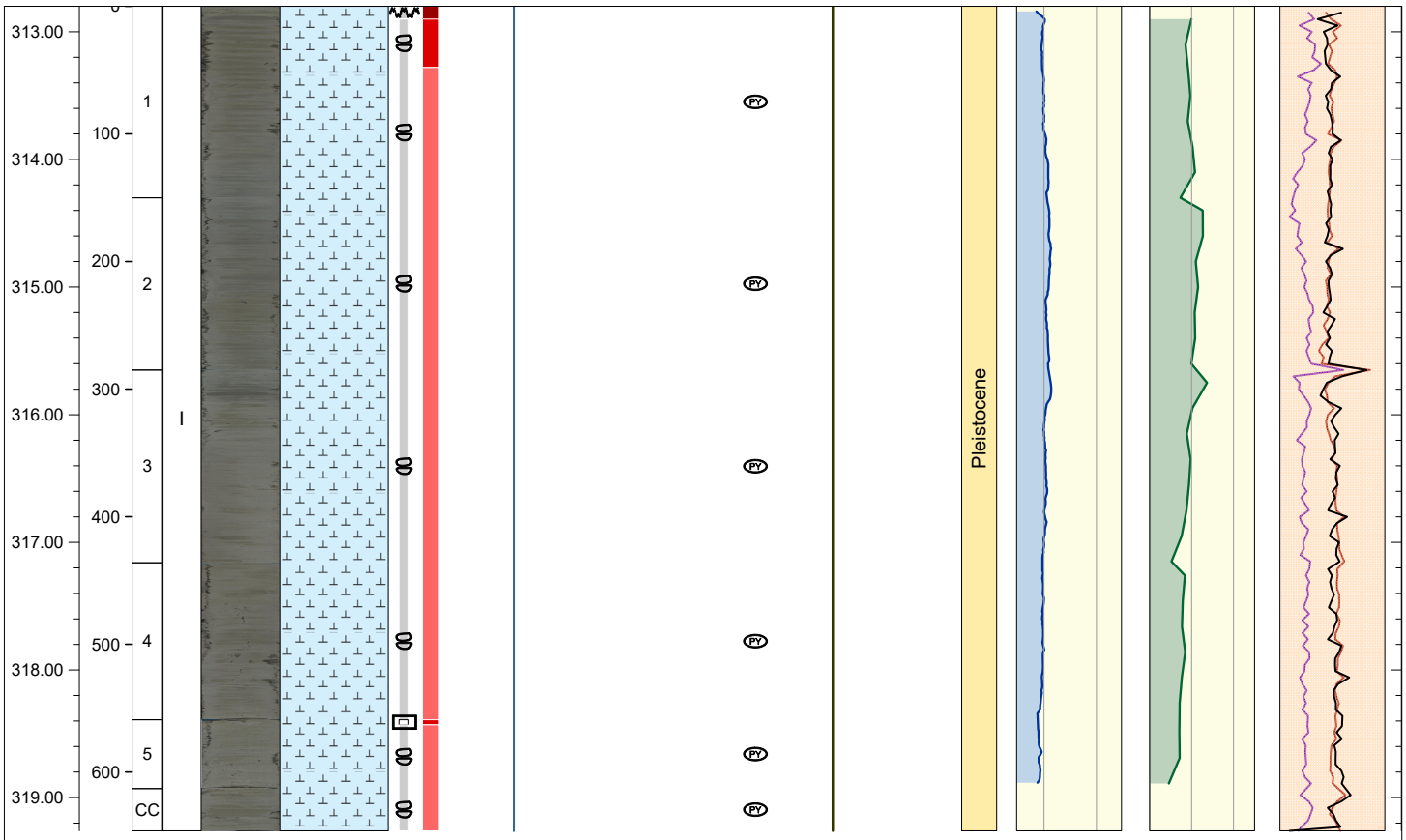
Hole 397-U1588B Core 57X, Interval 308.0-314.02 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites observed in all sections, Thalassinoides in Sections 1-3, and Planolites in Sections 1-4. Rare macrofossils (shells) are seen at 9 cm in Section 3. The uppermost 80 cm of Section 1 is severely disturbed by biscuiting, 80-149 cm of Section 1 is strongly disturbed by biscuiting, while other sections are moderately disturbed by biscuiting.



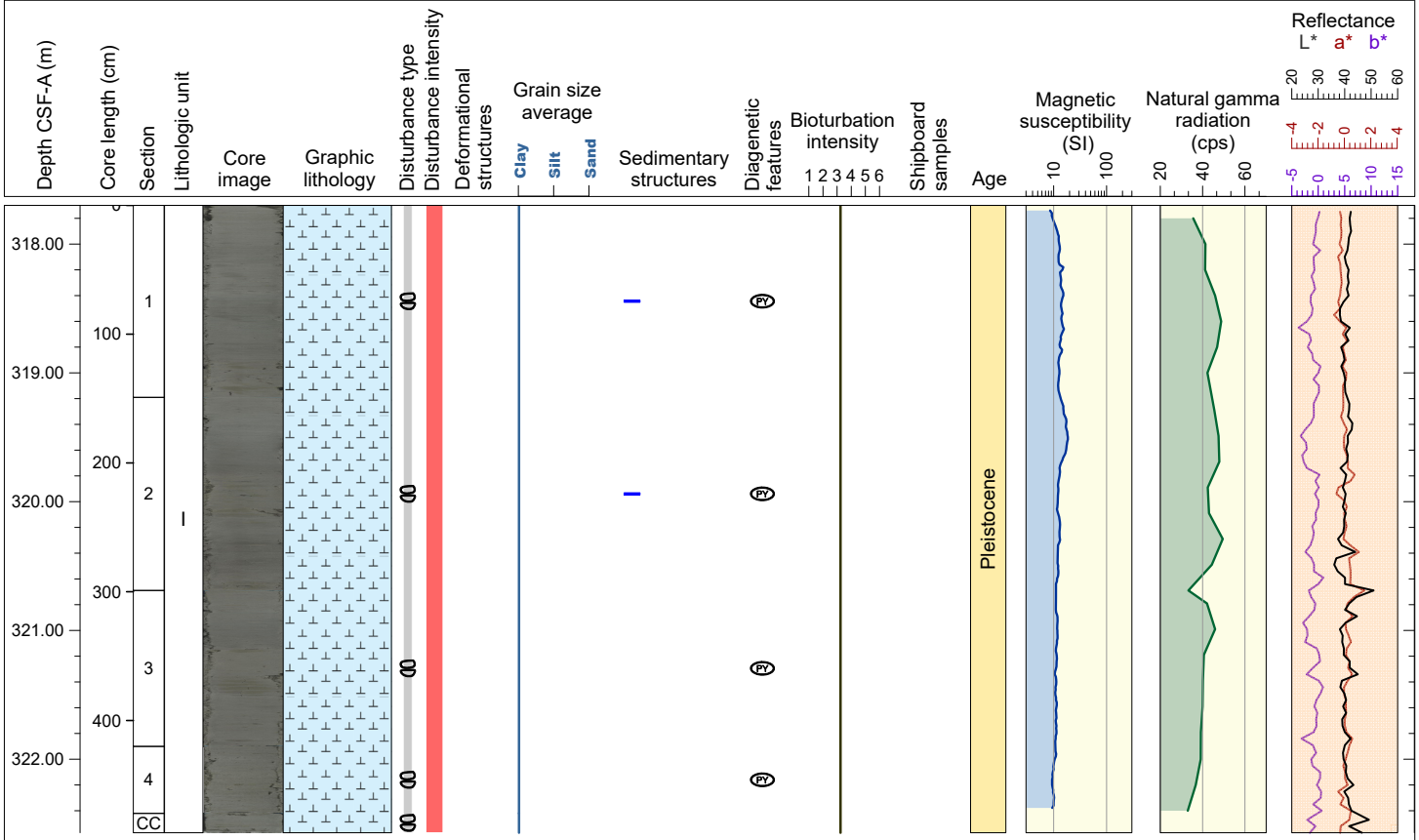
Hole 397-U1588B Core 58X, Interval 312.8-319.26 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites observed in all sections, Thalassinoides in Sections 1-5, and Planolites in Sections 1-3. The uppermost 10 cm of Section 1 is severely disturbed by disturbed bedding, 10-48 cm of Section 1 is strongly disturbed by biscuiting, while other sections are moderately disturbed by biscuiting.



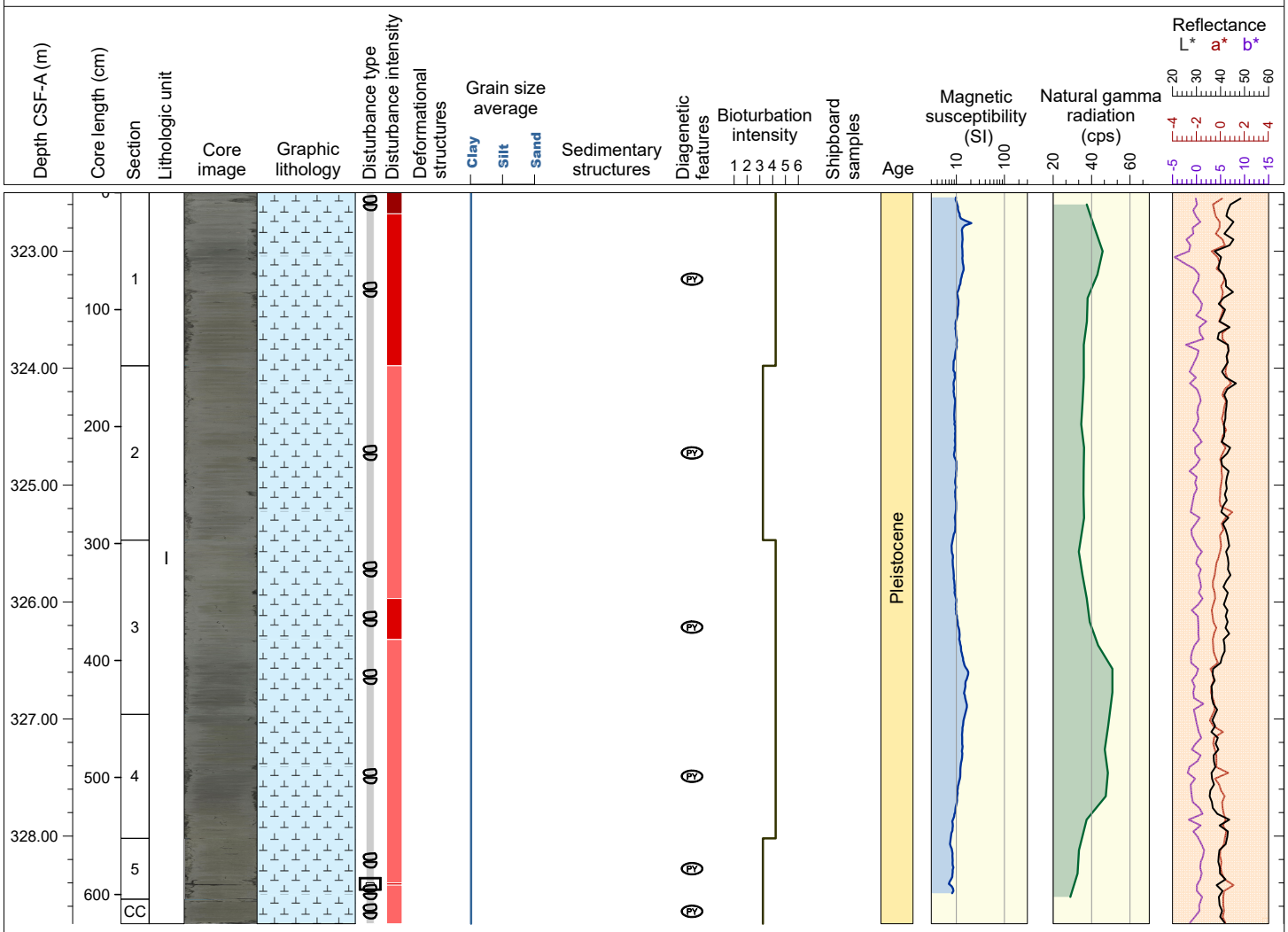
Hole 397-U1588B Core 59X, Interval 317.7-322.57 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is slight in all sections, with trace fossils including Chondrites and Thalassinoides observed in all sections, and Planolites in Sections 2-3. Rare macrofossils (shell fragments) are seen in Sections 1-2. All sections are moderately disturbed by biscuiting.



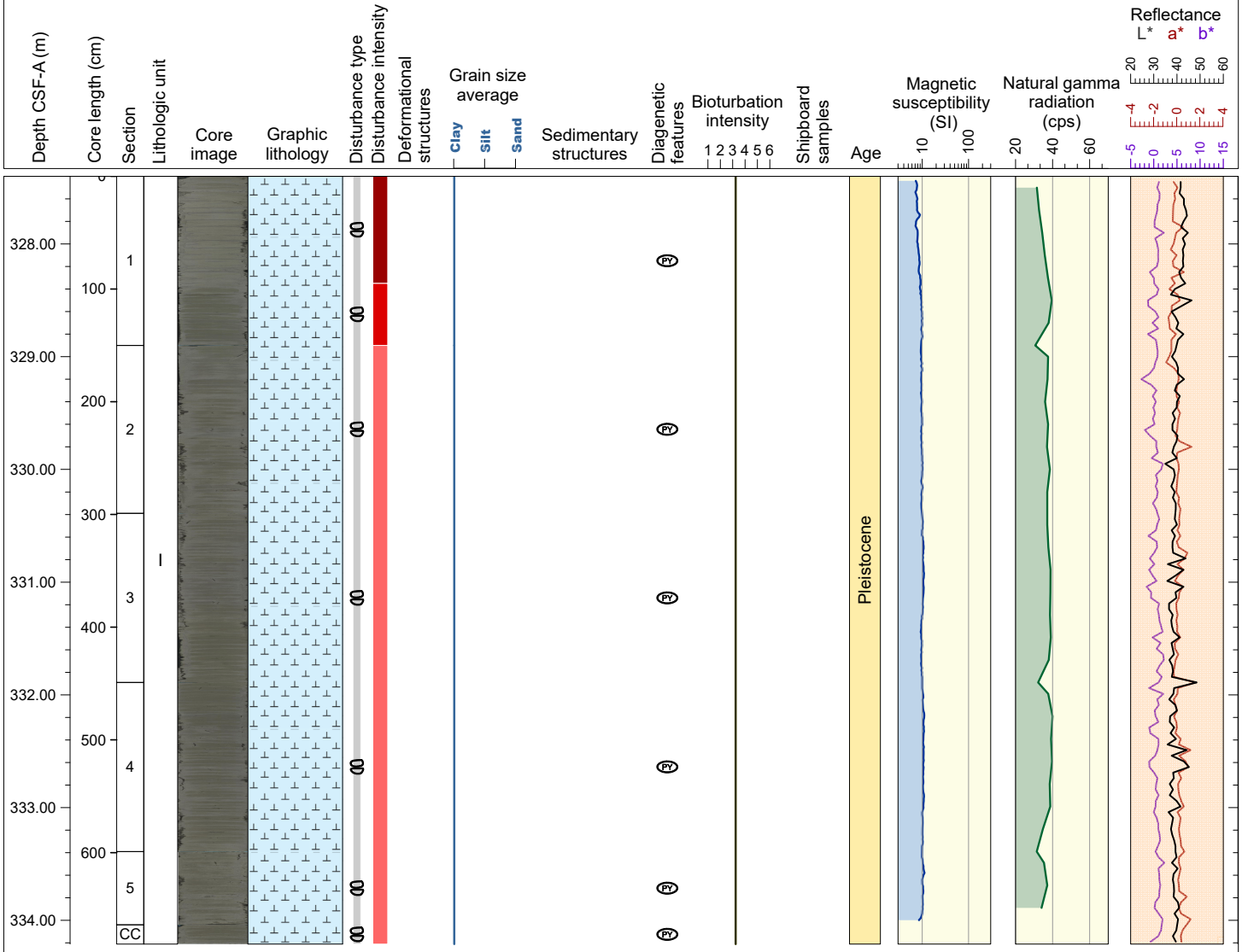
Hole 397-U1588B Core 60X, Interval 322.5-328.75 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections and dark patches are seen in sections 1, 2, and 5. Bioturbation is slight in Sections 2, 5, and CC, and moderate in Sections 1, 3, and 4, with trace fossils including Chondrites observed in all sections, Thalassinoides observed in sections 1-5, and Planolites in Sections 1, 3, and 4. All sections are disturbed by biscuiting with intensities ranging from severely (0-18 cm Section 1), strongly (Section 1, 18-148 cm; Section 3, 50-85 cm), to moderately (other sediments).



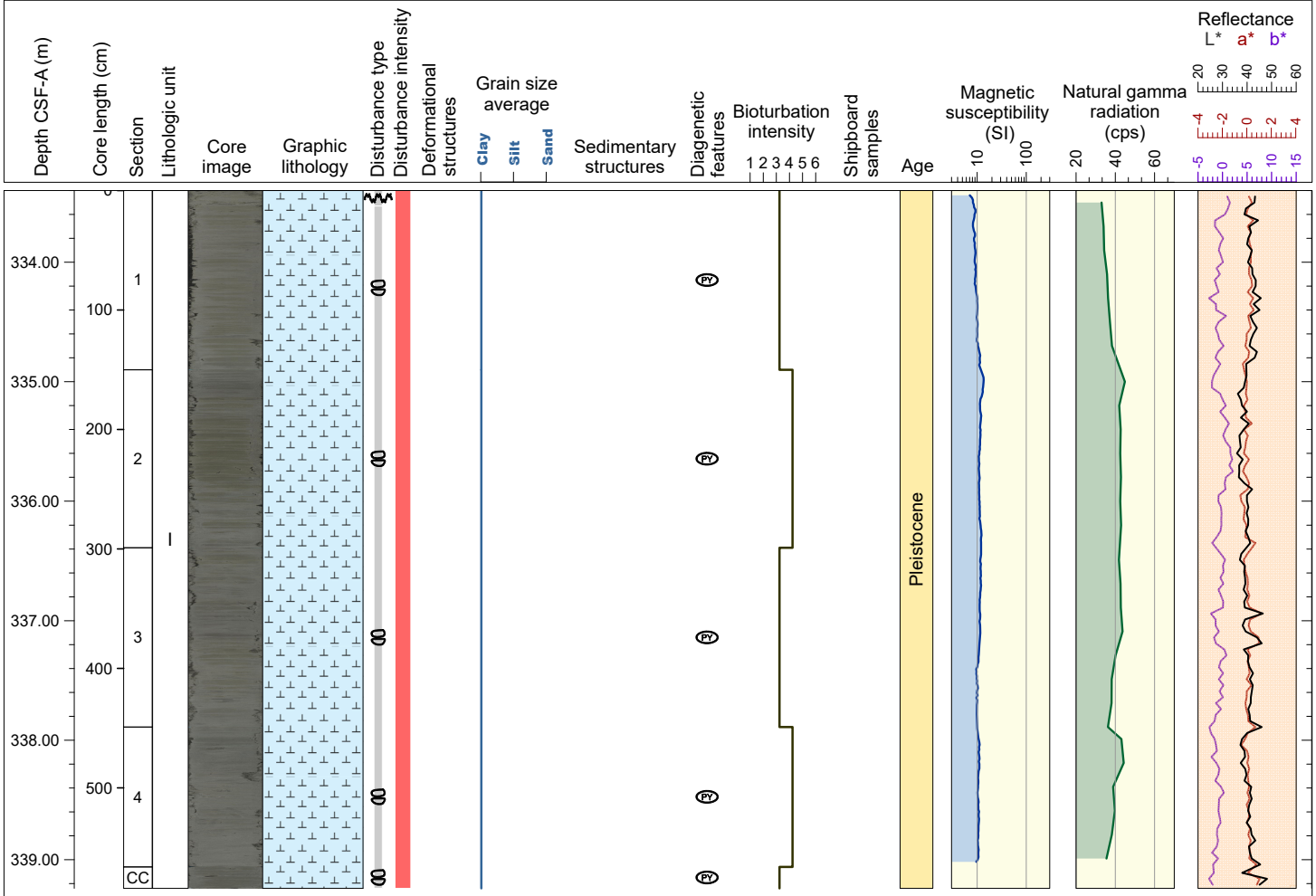
Hole 397-U1588B Core 61X, Interval 327.4-334.21 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections and dark patches are seen in section 1. Bioturbation is slight in all sections, with trace fossils including Chondrites and Thalassinoides observed in all sections, and Planolites in Sections 1 and 3. Rare macrofossils (shell fragments) are seen in Section 5. All sections are disturbed by biscuiting with intensities ranging from severely (0-95 cm Section 1), strongly (Section 1, 95-150), to moderately (other sediments).



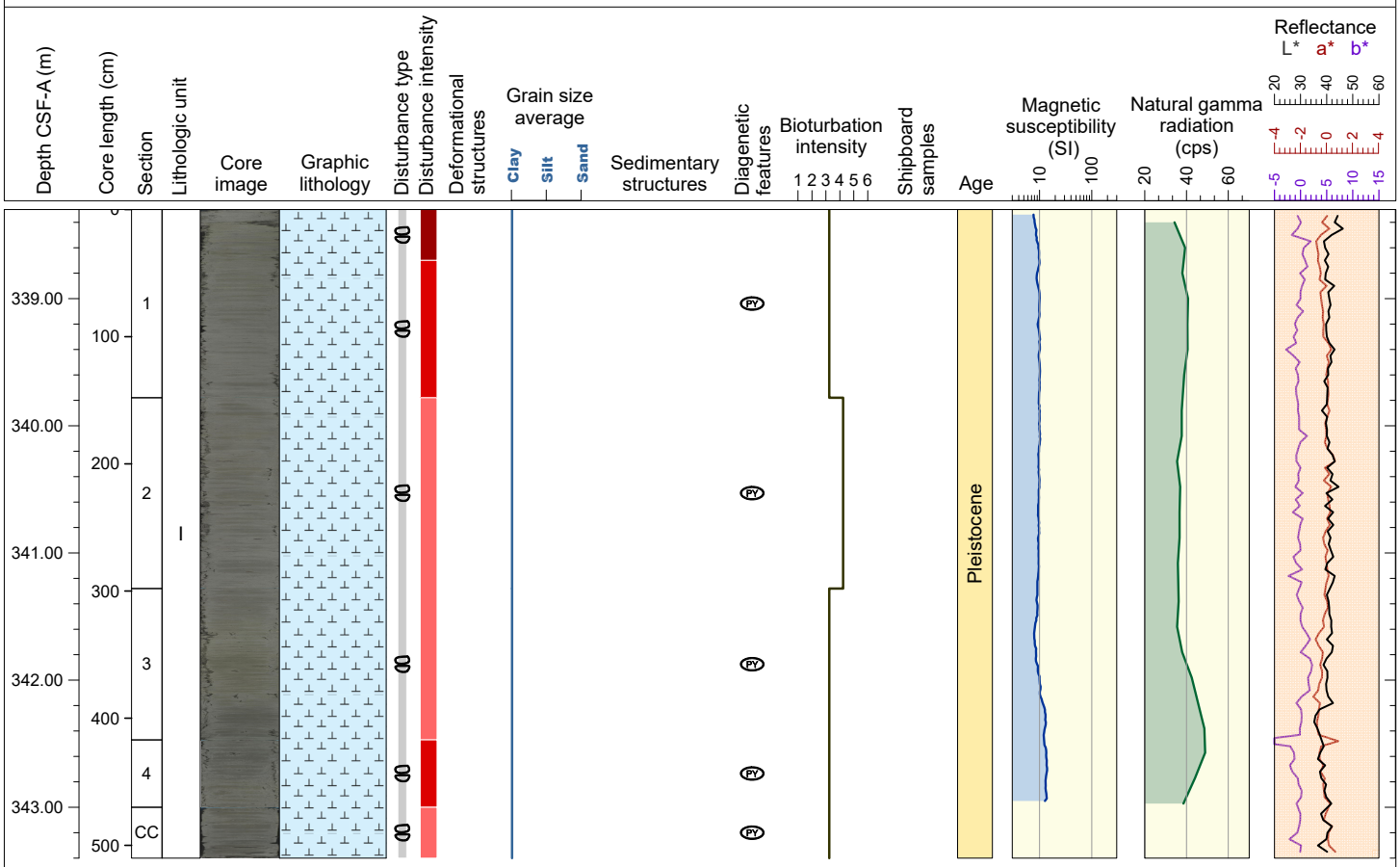
Hole 397-U1588B Core 62X, Interval 333.4-339.24 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections and dark patches are seen in sections 1-4. Bioturbation is slight in sections 1, 3, and CC and moderate in Sections 2 and 4, with trace fossils including Chondrites and Thalassinoides observed in all sections, and Planolites in Sections 1-4, and Ophiomorpha burrows in Section 4. Rare macrofossils (shell fragments) are seen in Section 3-CC. Top 3 cm of Section 1 is moderately disturbed by disturbed bedding, and all other sediments are moderately disturbed by biscuiting.



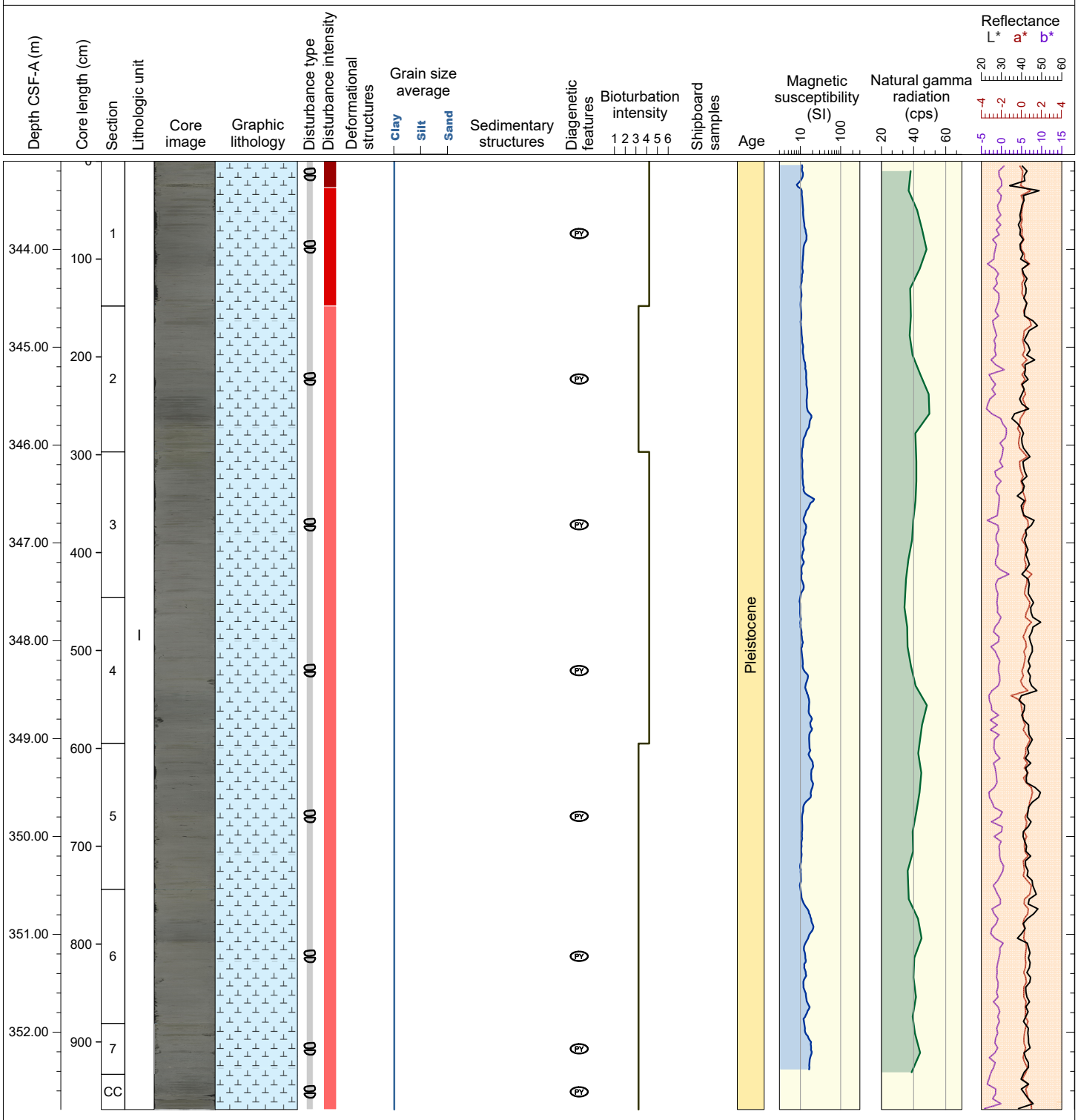
Hole 397-U1588B Core 63X, Interval 338.3-343.4 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in section 2 and slight in other sections, with trace fossils including Chondrites and Thalassinoides observed in all sections, and Planolites in Sections 1-3. Rare macrofossils (shell fragments) are seen in Section 3. All sections are disturbed by biscuiting with intensities ranging from severely (0-40 cm Section 1), strongly (Section 1, 40-148; Section 4), to moderately (other sediments).



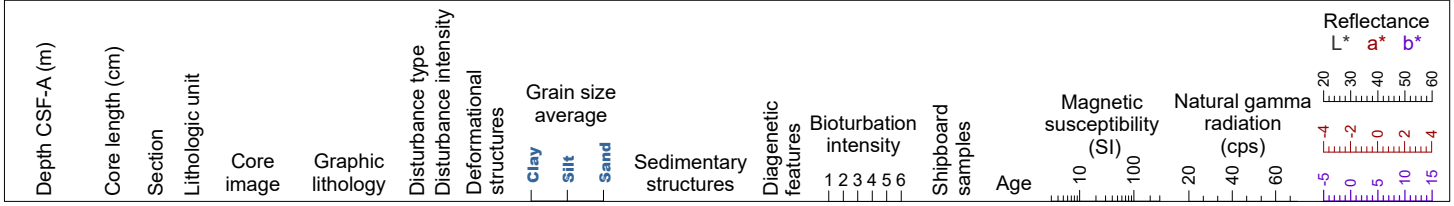
Hole 397-U1588B Core 64X, Interval 343.1-352.79 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are disseminated throughout. Pyrite occurs in all sections. Bioturbation is moderate in sections 1, 3, and 4, and slight in other sections, with trace fossils including Chondrites, Thalassinoides, and Planolites observed in all sections, and Planolites in Sections 1-3. Trace fossil burrows are seen in Sections 4 and CC. All sections are disturbed by biscuiting with intensities ranging from severely (0-27 cm Section 1), strongly (Section 1, 27-148; Section 4), to moderately (other sediments).



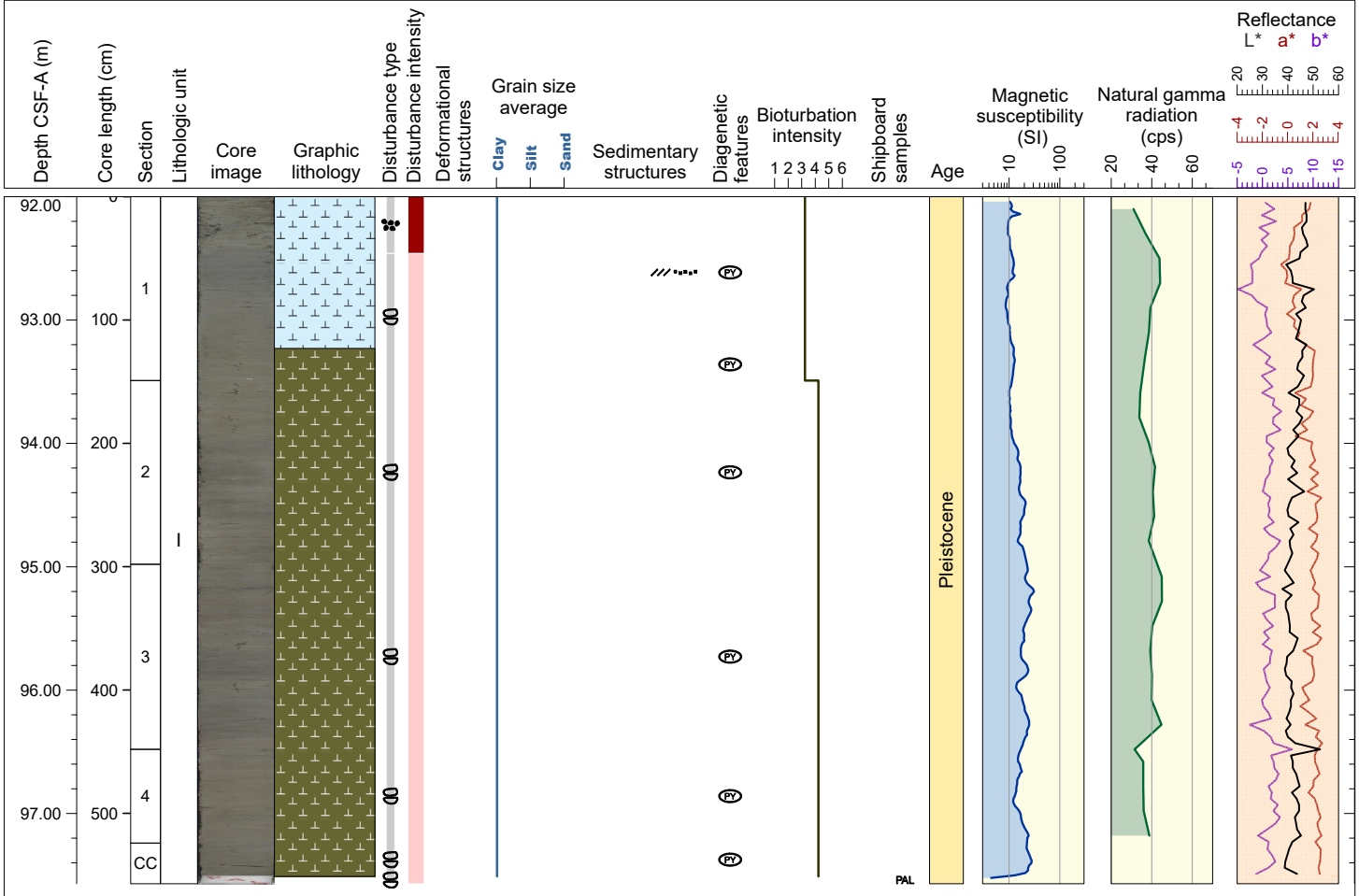
Hole 397-U1588C Core 11, Interval 0.0-0.0 m (CSF-A)

DRILLED INTERVAL 0.0-92.0 m



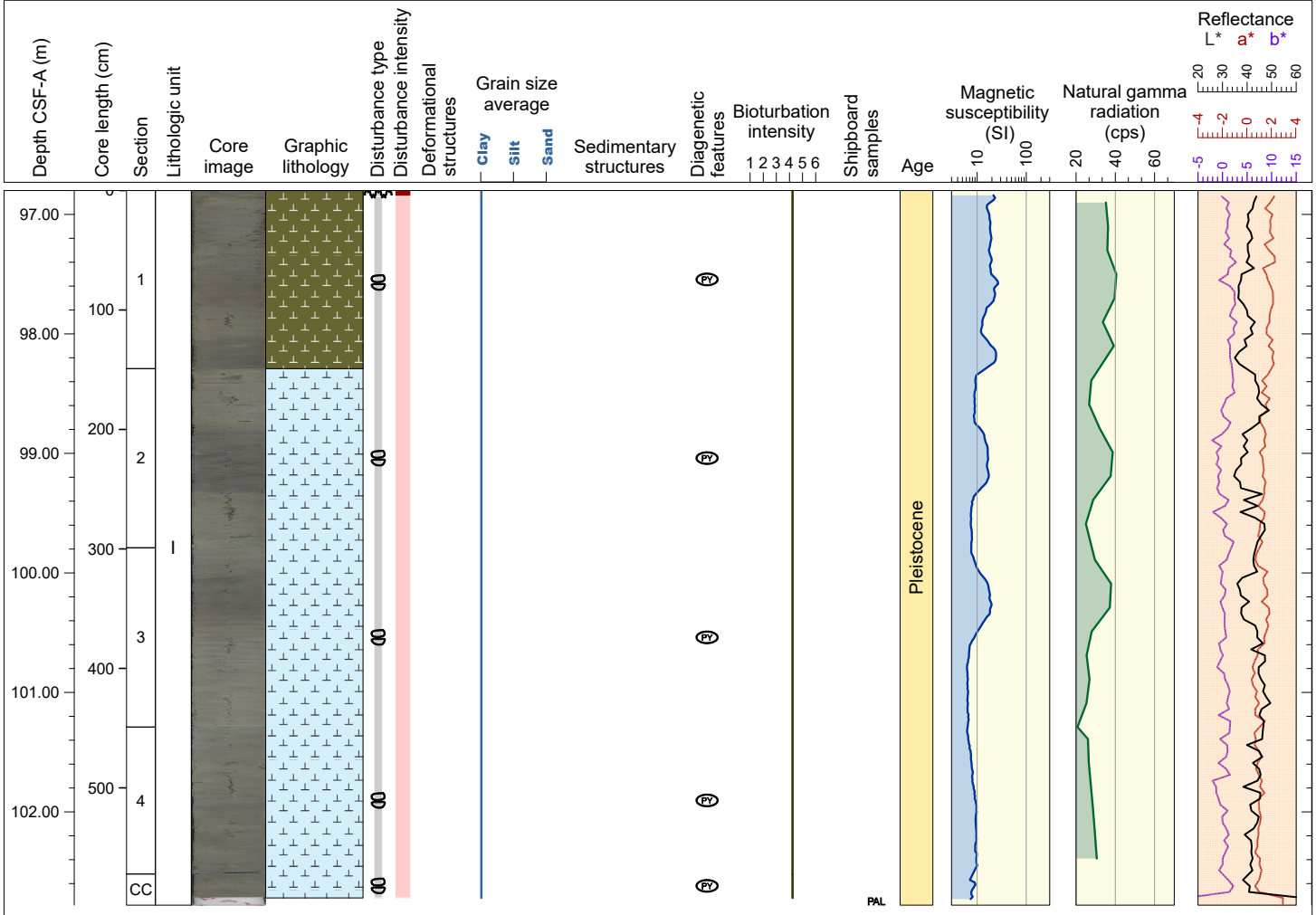
Hole 397-U1588C Core 2X, Interval 92.0-97.57 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY (grey) and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY (light grey). Contacts are gradational, irregular and bioturbated. Foraminifera and small carbonate sand/shell fragments are disseminated in each section. Pyrite nodules and dark patches occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides occurs. Macroscopic shell fragments occur in Sections 1 and 2. The uppermost 46 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



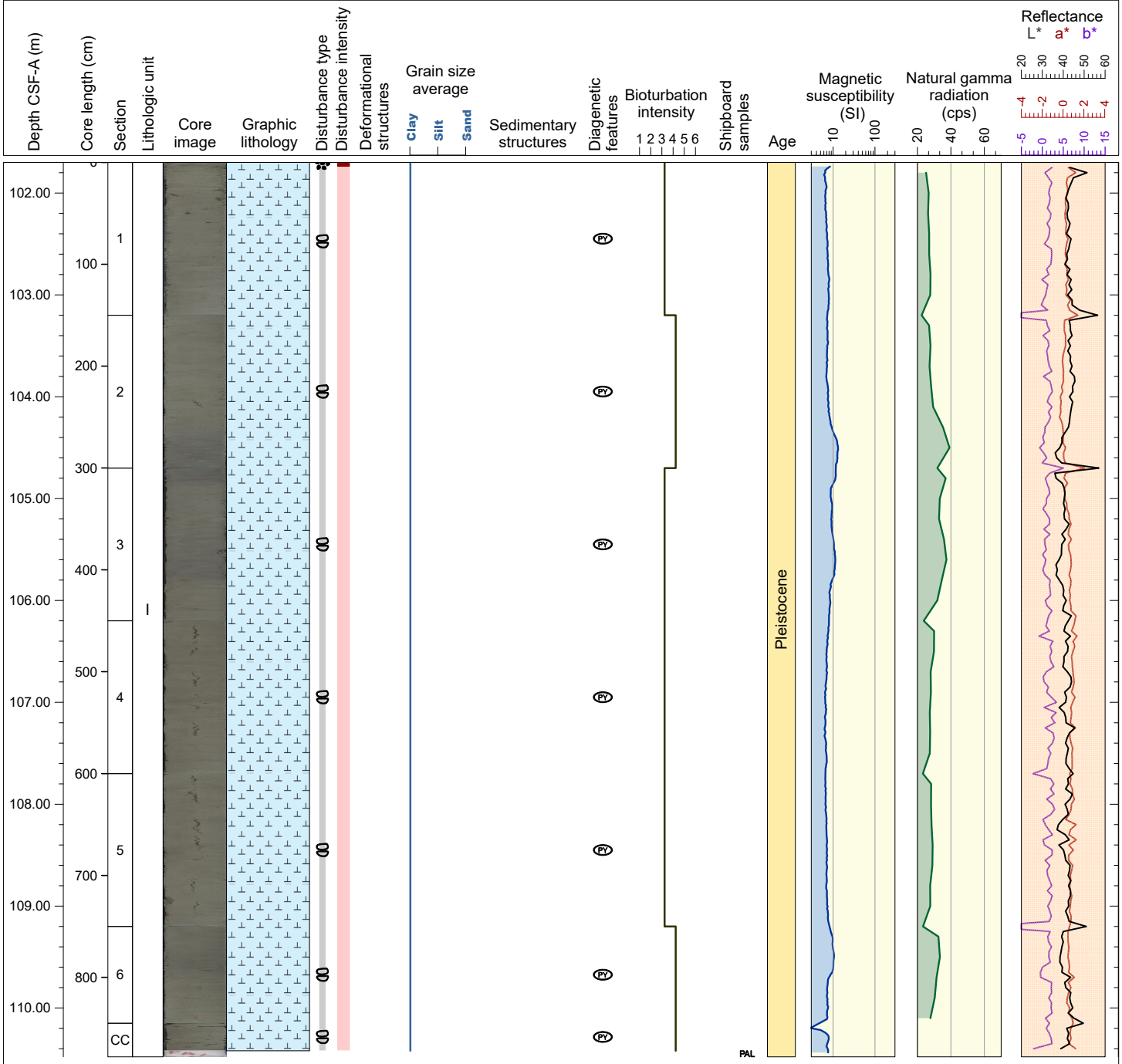
Hole 397-U1588C Core 3X, Interval 96.8-102.78 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout. Trace fossils including Chondrites, Planolites and Thalassinoides are observed, and Ophiomorpha occurs in Section 1. Macroscopic shell fragments occur in Sections 1 and 2. The uppermost 5 cm of Section 1 has severely disturbed bedding, and the rest of the core is slightly disturbed by biscuiting.



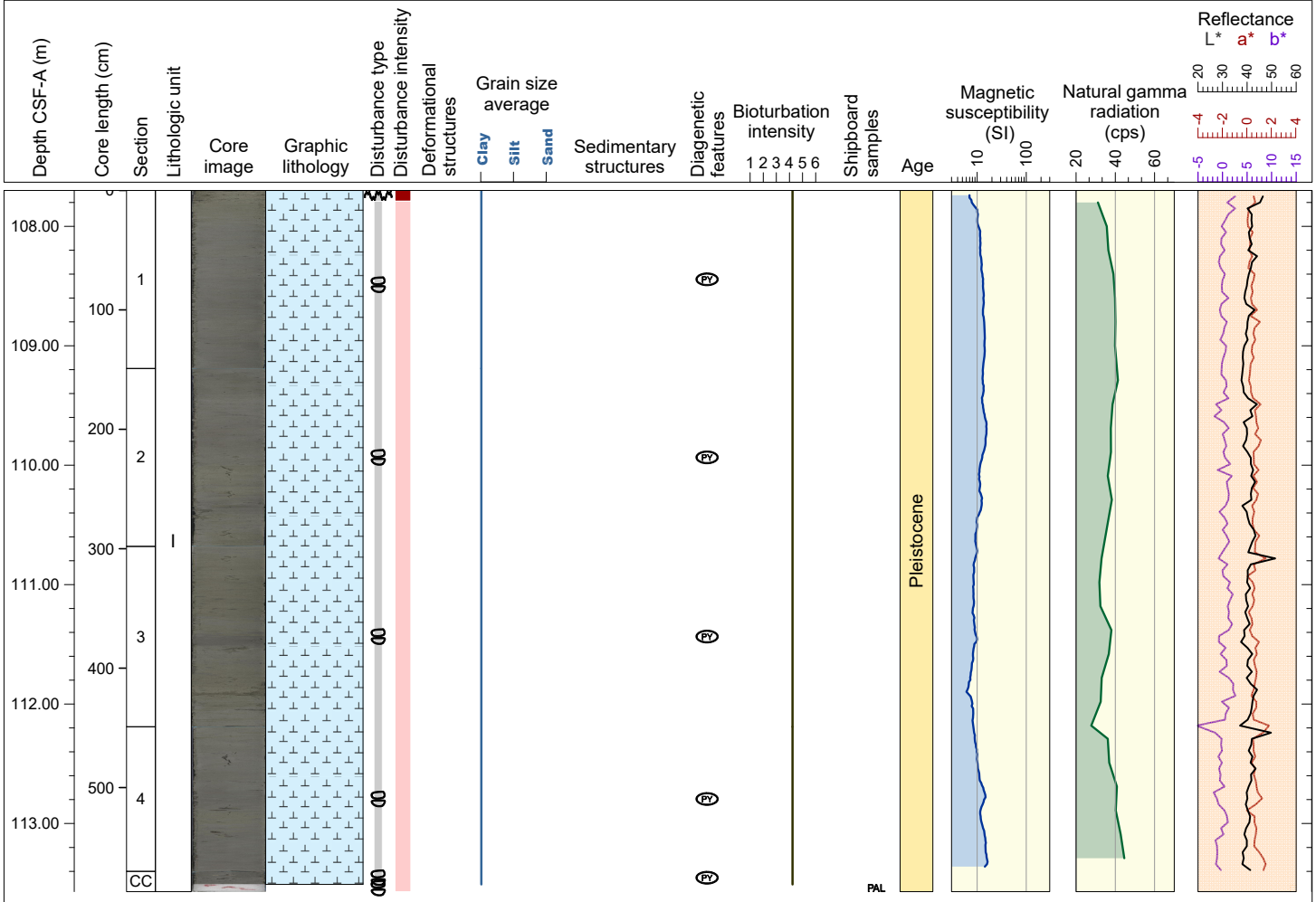
Hole 397-U1588C Core 4X, Interval 101.7-110.48 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites and Thalassinoides. The uppermost 5 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



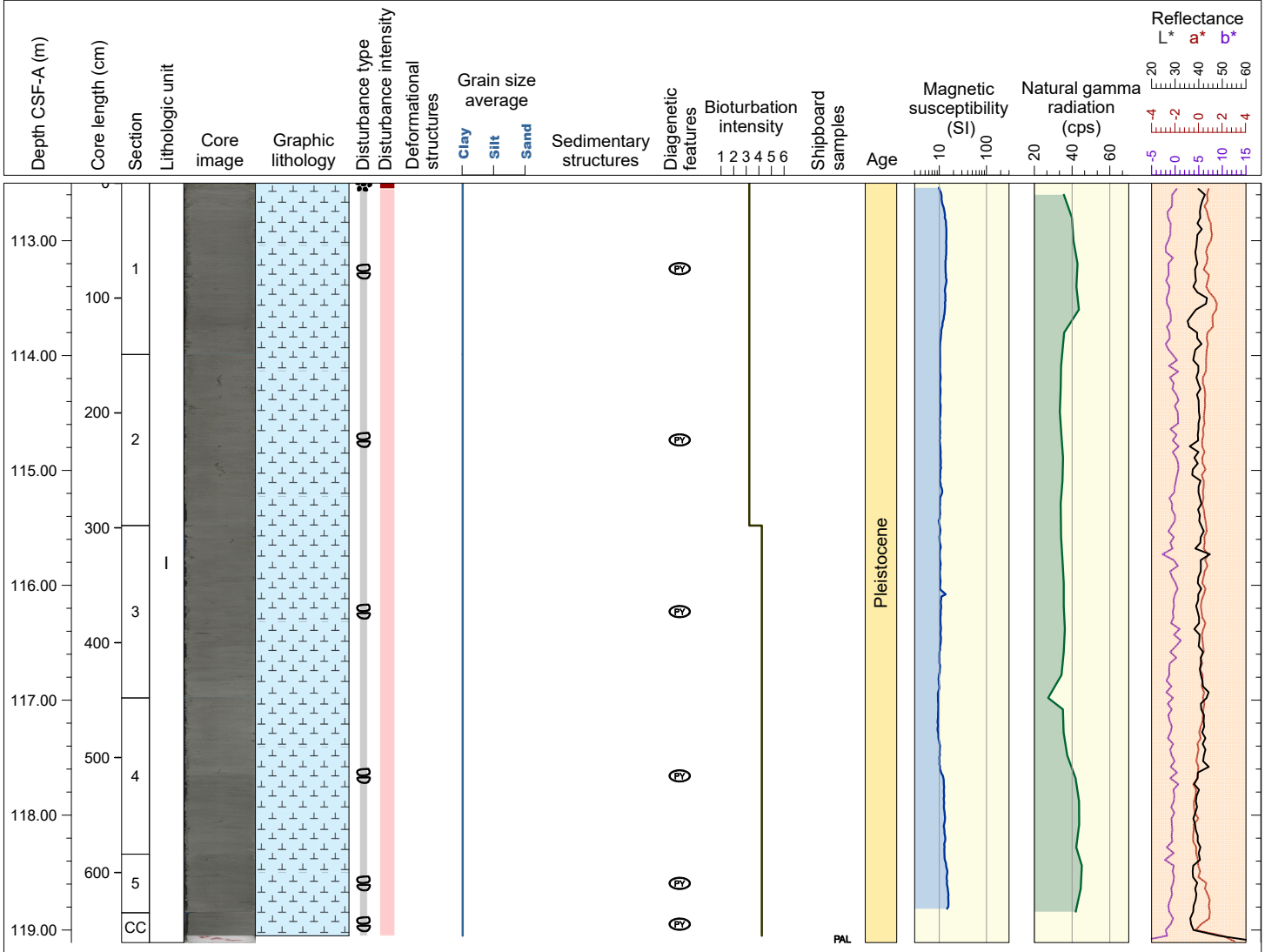
Hole 397-U1588C Core 5X, Interval 107.7-113.57 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites and Thalassinoides. The uppermost 9 cm of Section 1 has severely disturbed bedding, and the rest of the core is slightly disturbed by biscuiting.



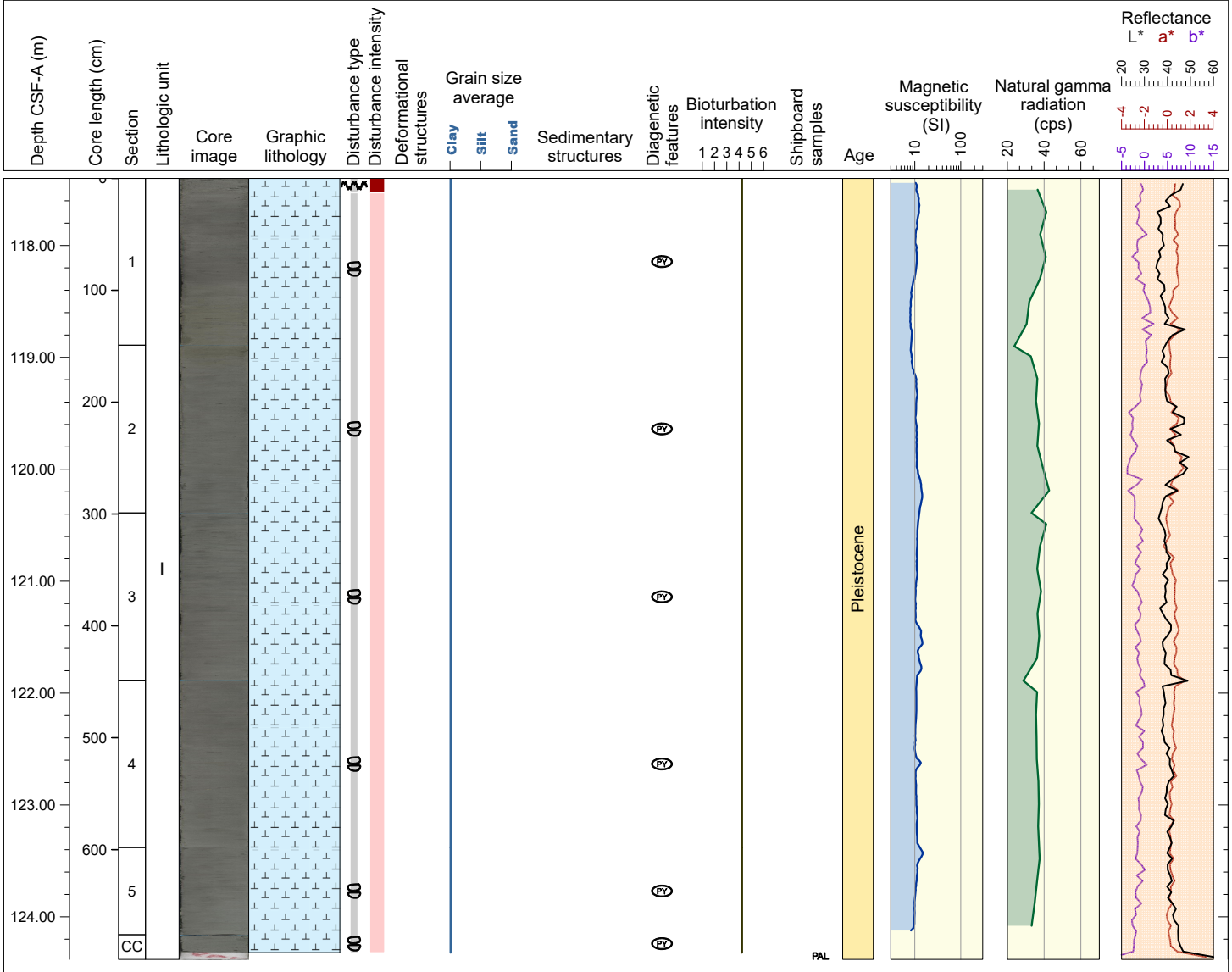
Hole 397-U1588C Core 6X, Interval 112.5-119.11 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites and Thalassinoides, and an Ophiomorpha trace in Section 5. The uppermost 5 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



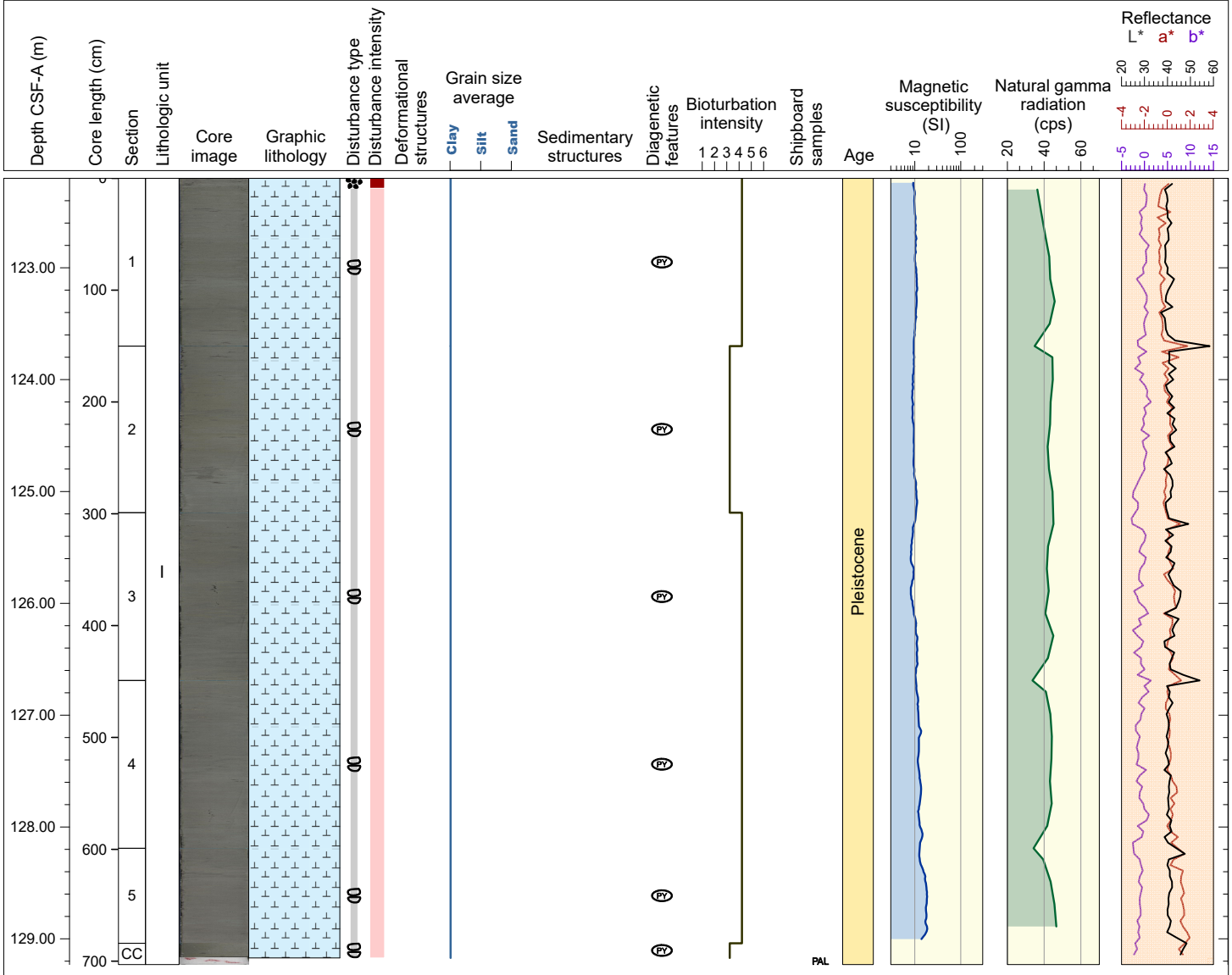
Hole 397-U1588C Core 7X, Interval 117.4-124.38 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites and Thalassinoides, and an Ophiomorpha trace in Section 3. The uppermost 13 cm of Section 1 has severely disturbed bedding, and the rest of the core is slightly disturbed by biscuiting.



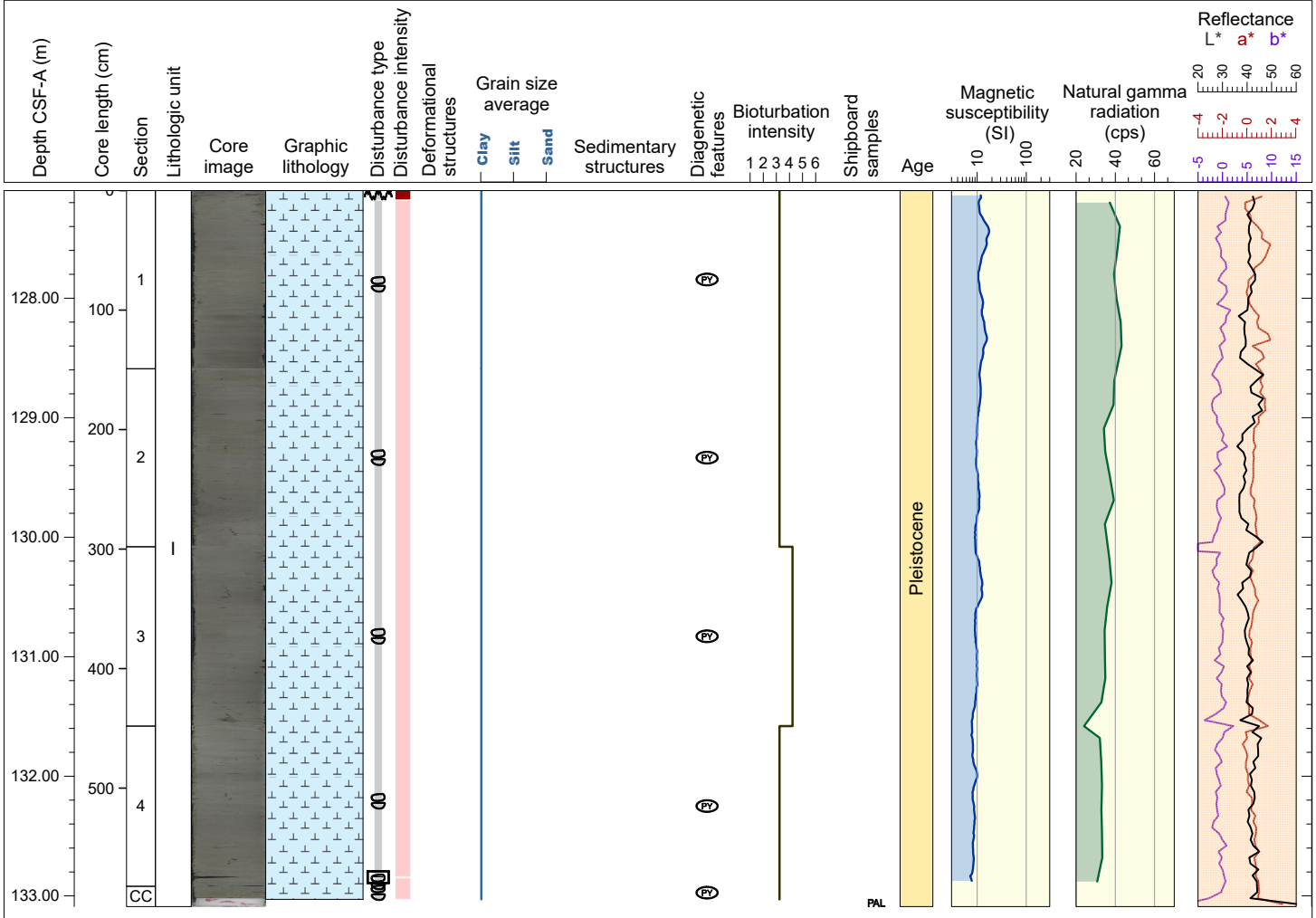
Hole 397-U1588C Core 8X, Interval 122.2-129.23 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites and Thalassinoides. The entire core is slightly disturbed by biscuiting.



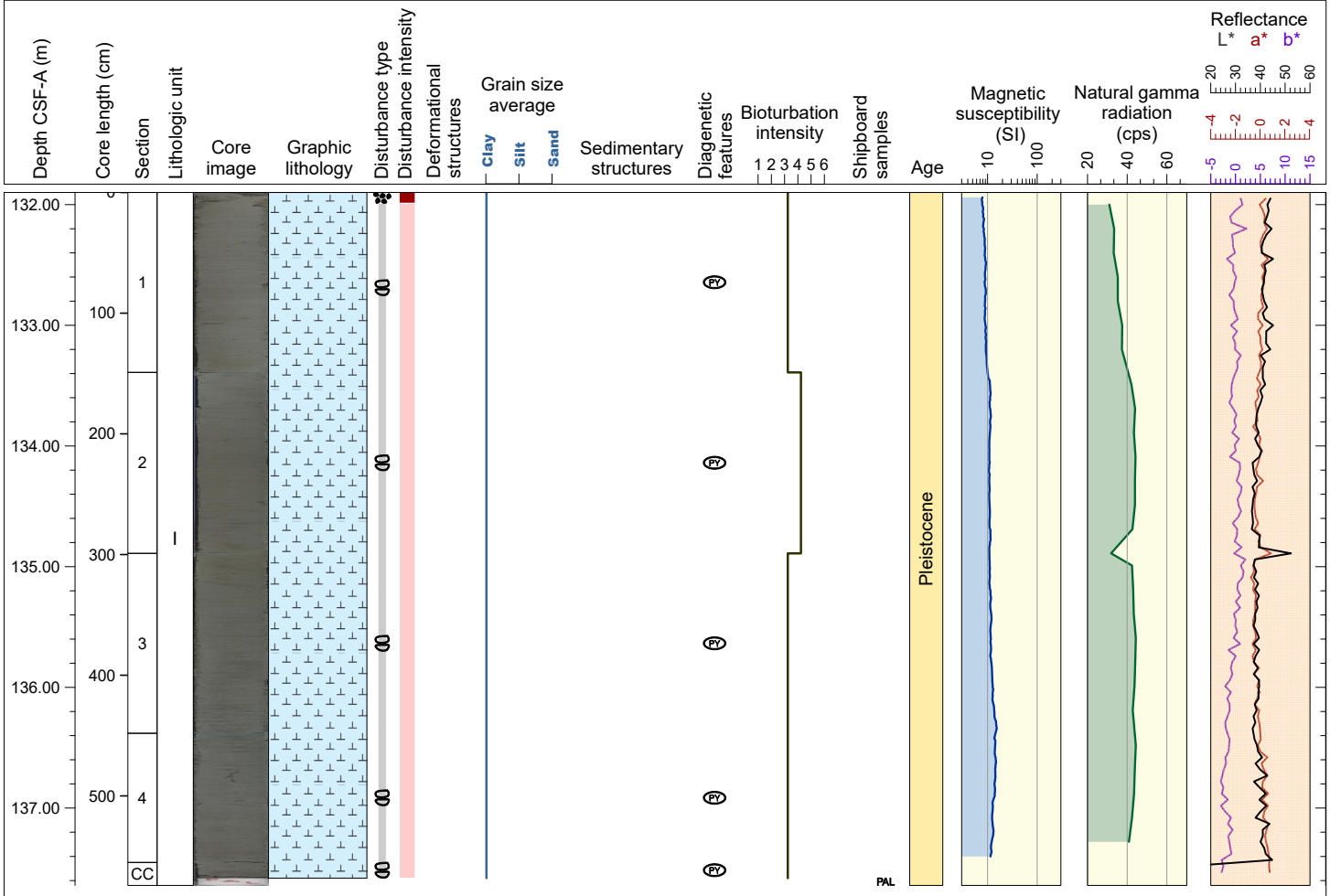
Hole 397-U1588C Core 9X, Interval 127.1-133.09 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites and Thalassinoides. The uppermost 8 cm of Section 1 has severely disturbed bedding, and the rest of the core is slightly disturbed by biscuiting, with a void space at 126-127 cm in Section 4.



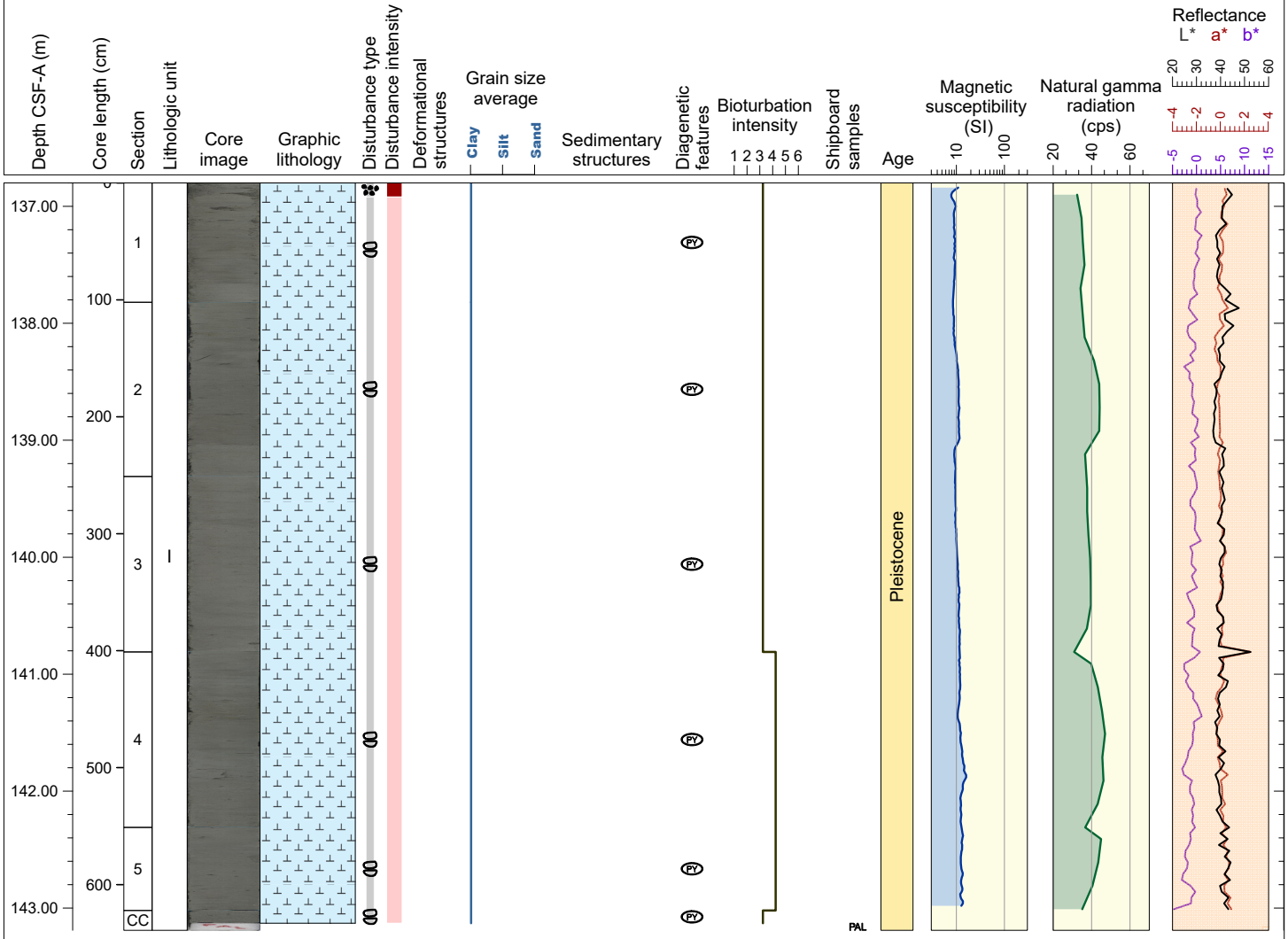
Hole 397-U1588C Core 10X, Interval 131.9-137.64 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites and Thalassinoides. The uppermost 9 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



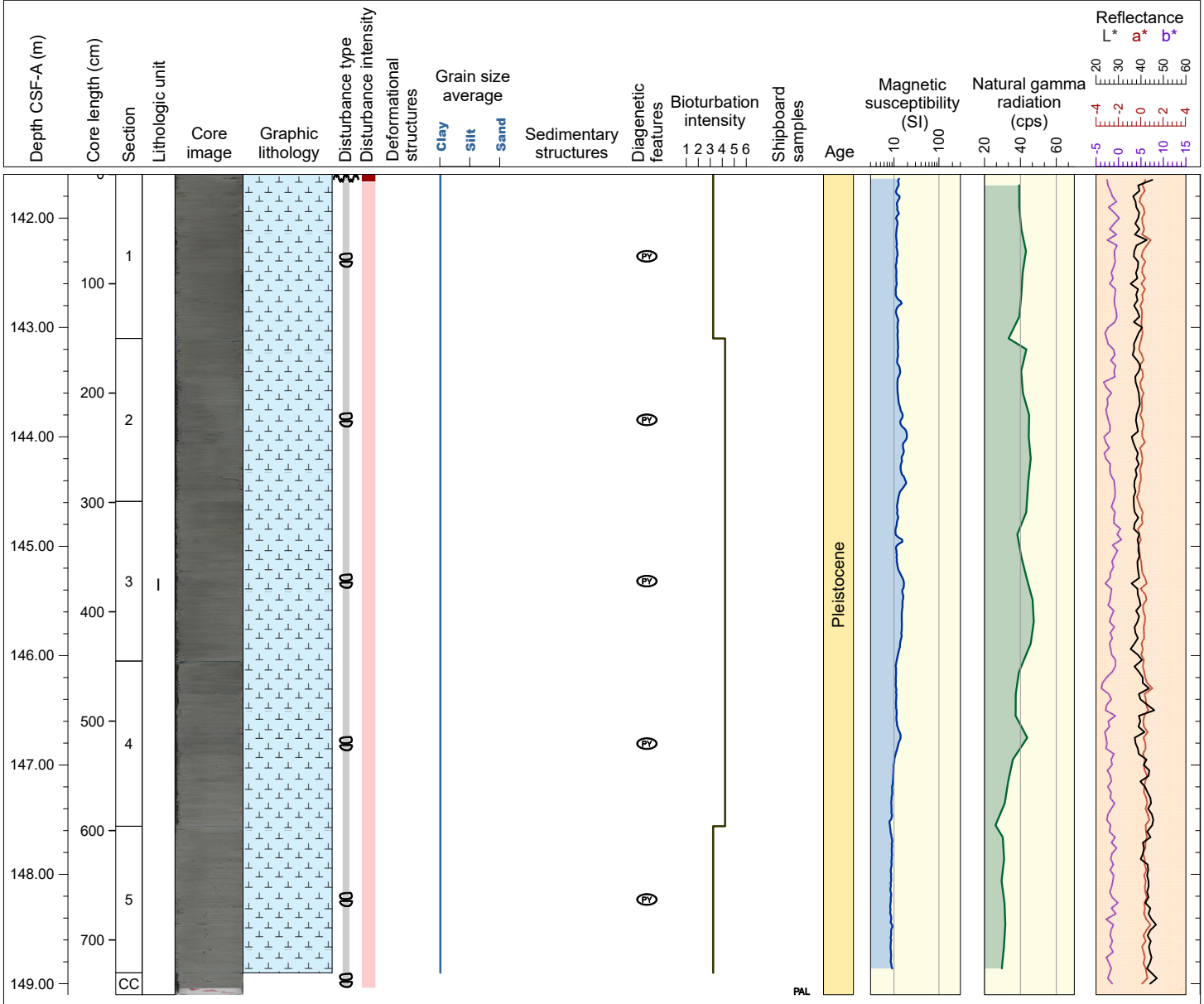
Hole 397-U1588C Core 11X, Interval 136.8-143.19 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites and Thalassinoides. The uppermost 12 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



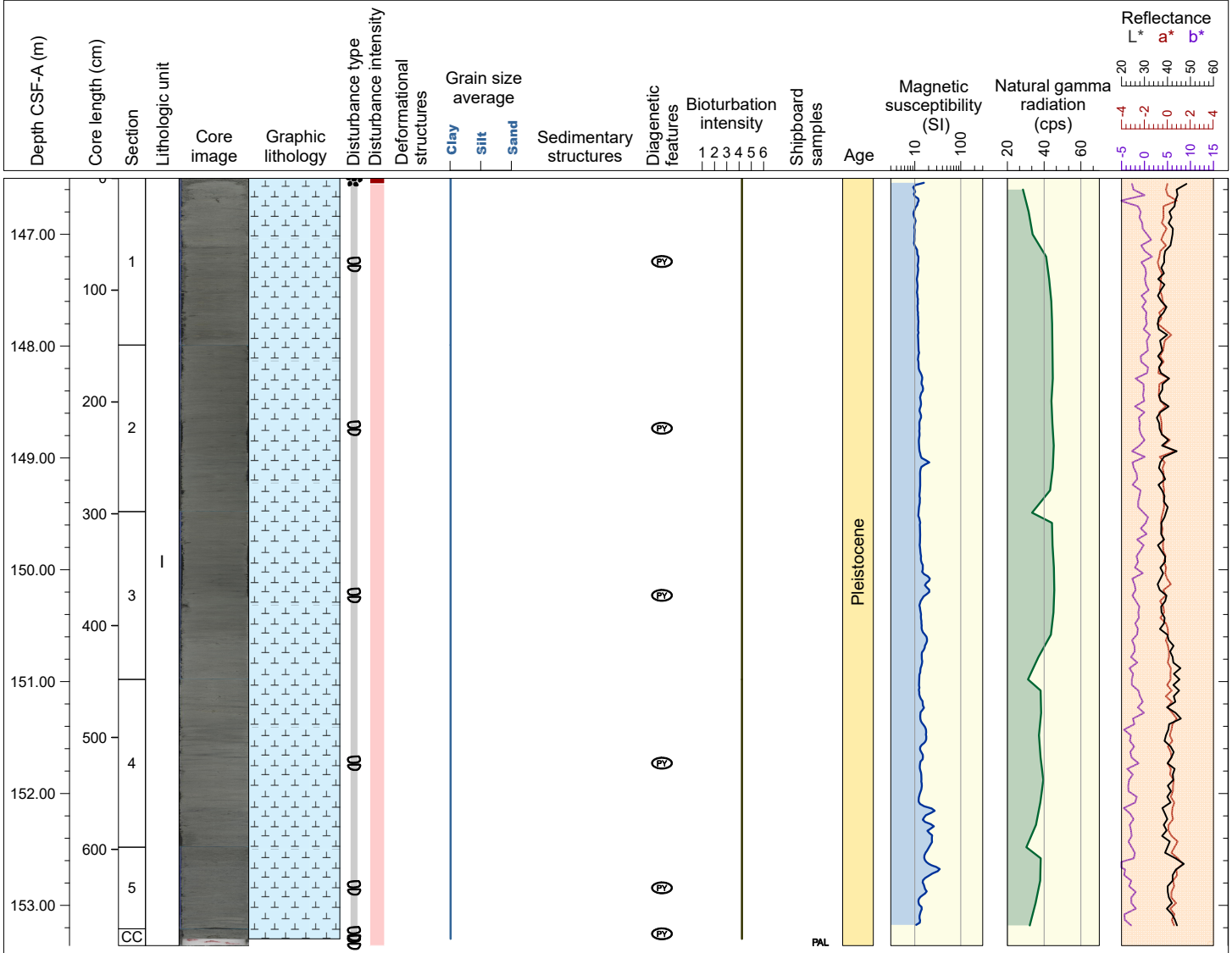
Hole 397-U1588C Core 12X, Interval 141.6-149.1 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites and Thalassinoides. The uppermost 7 cm of Section 1 has severely disturbed bedding, and the rest of the core is slightly disturbed by biscuiting.



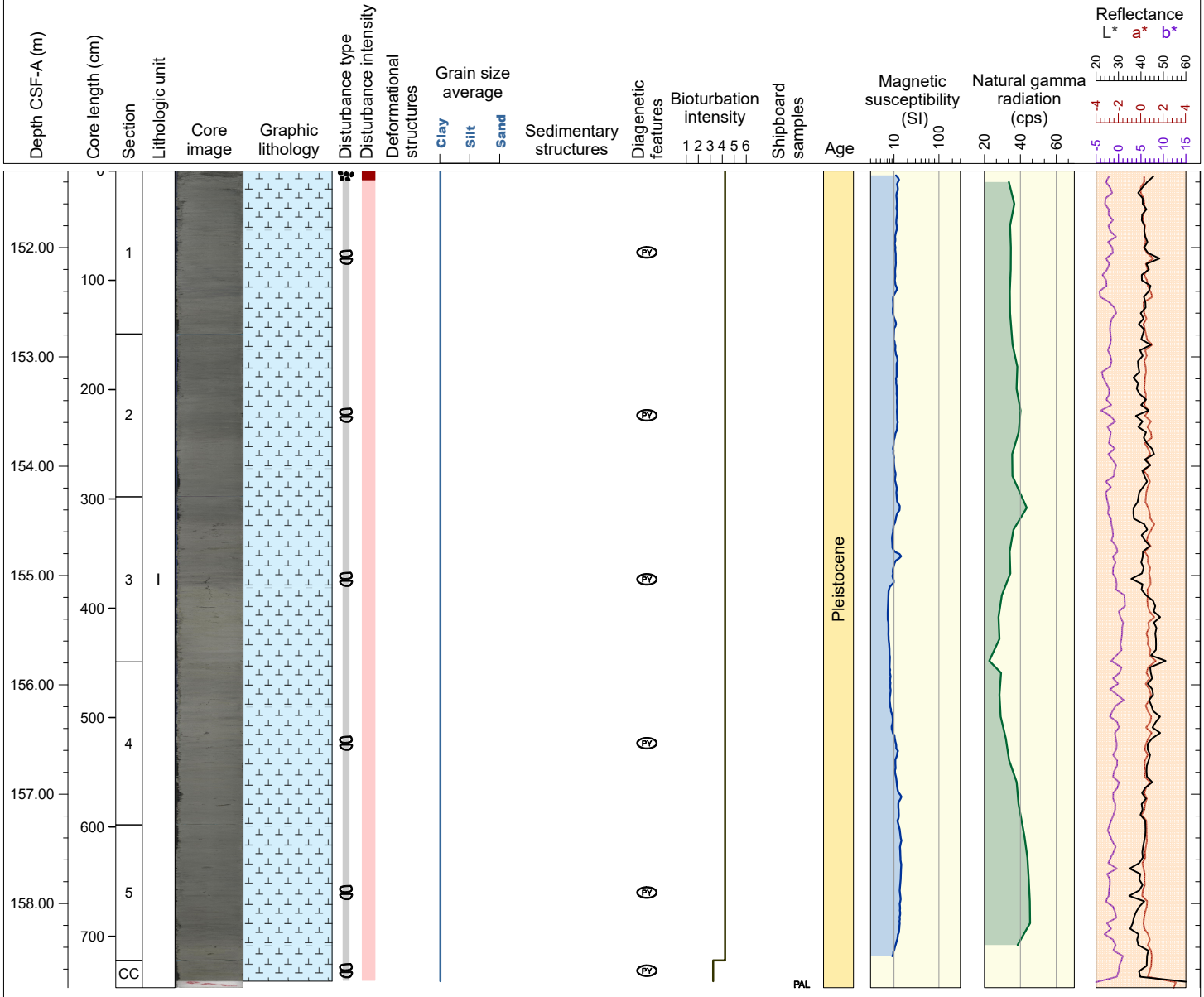
Hole 397-U1588C Core 13X, Interval 146.5-153.36 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides. The uppermost 9 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



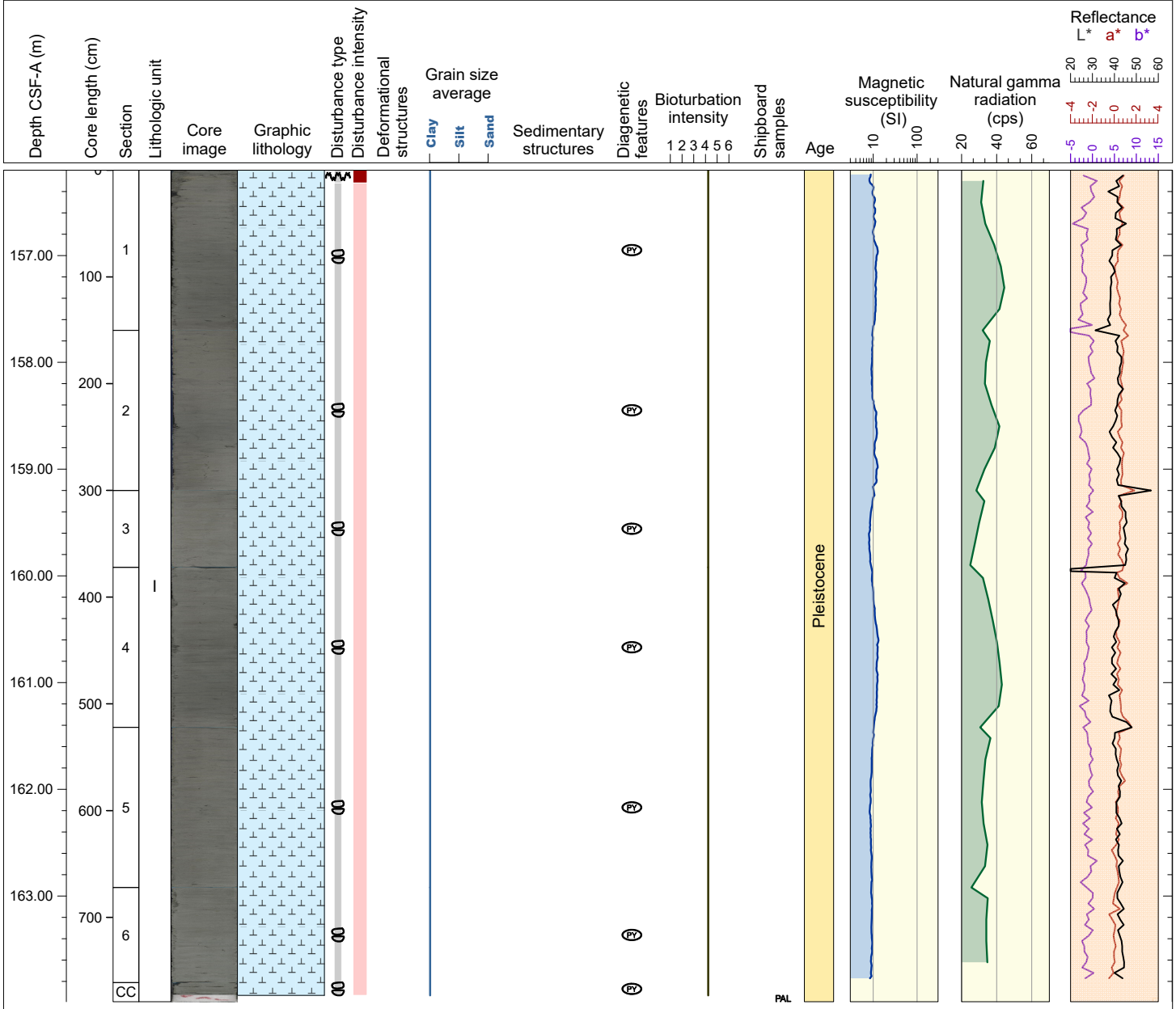
Hole 397-U1588C Core 14X, Interval 151.3-158.77 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides, and Ophiomorpha traces in Sections 1 and 5. The uppermost 9 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



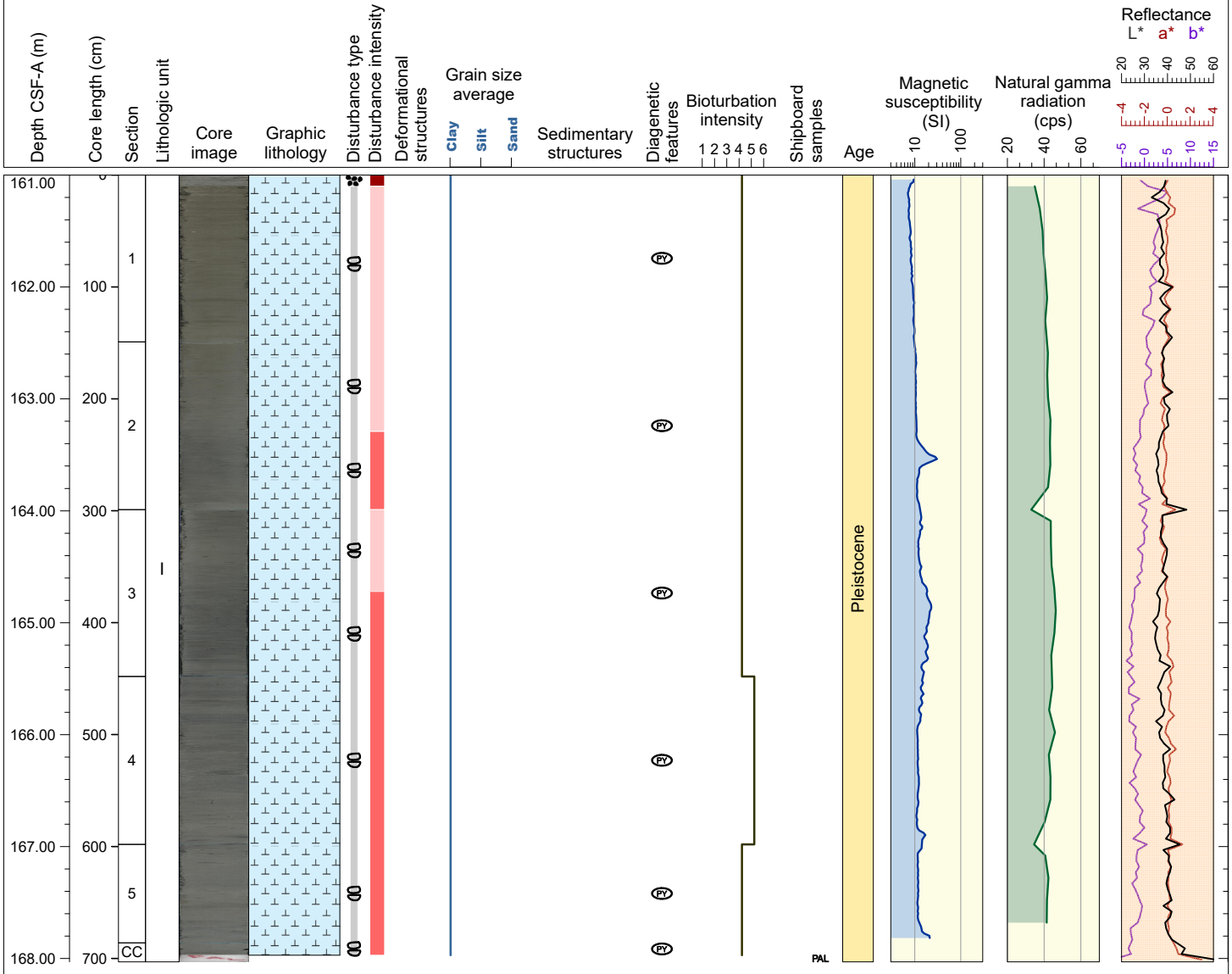
Hole 397-U1588C Core 15X, Interval 156.2-163.99 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites and Thalassinoides. The uppermost 7 cm of Section 1 has severely disturbed bedding, and the rest of the core is slightly disturbed by biscuiting.



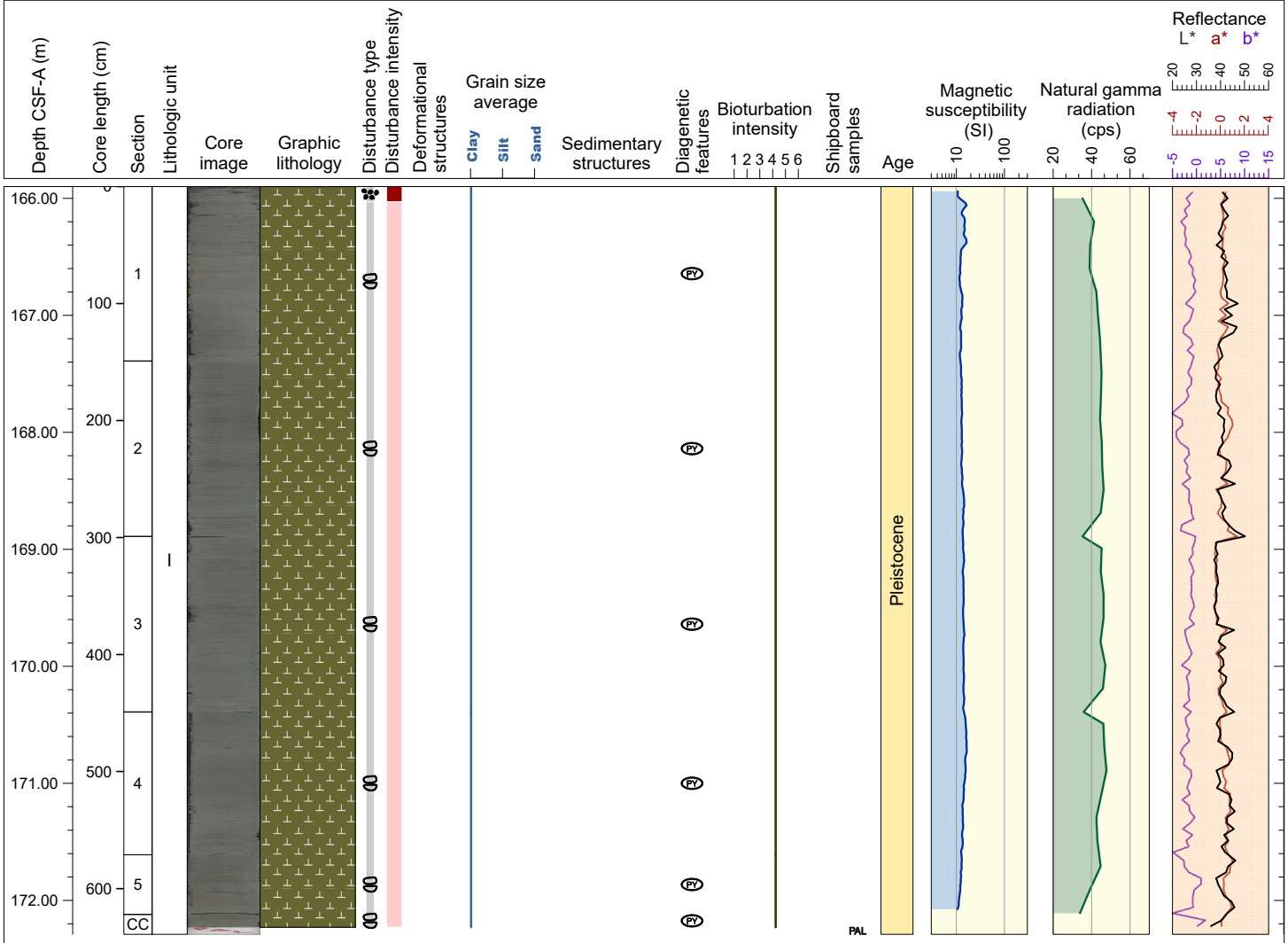
Hole 397-U1588C Core 16X, Interval 161.0-168.03 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites, Planolites, Ophiomorpha and Thalassinoides. A gastropod shell occurs at 51cm in Section 1. The uppermost 10 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly to moderately disturbed by biscuiting.



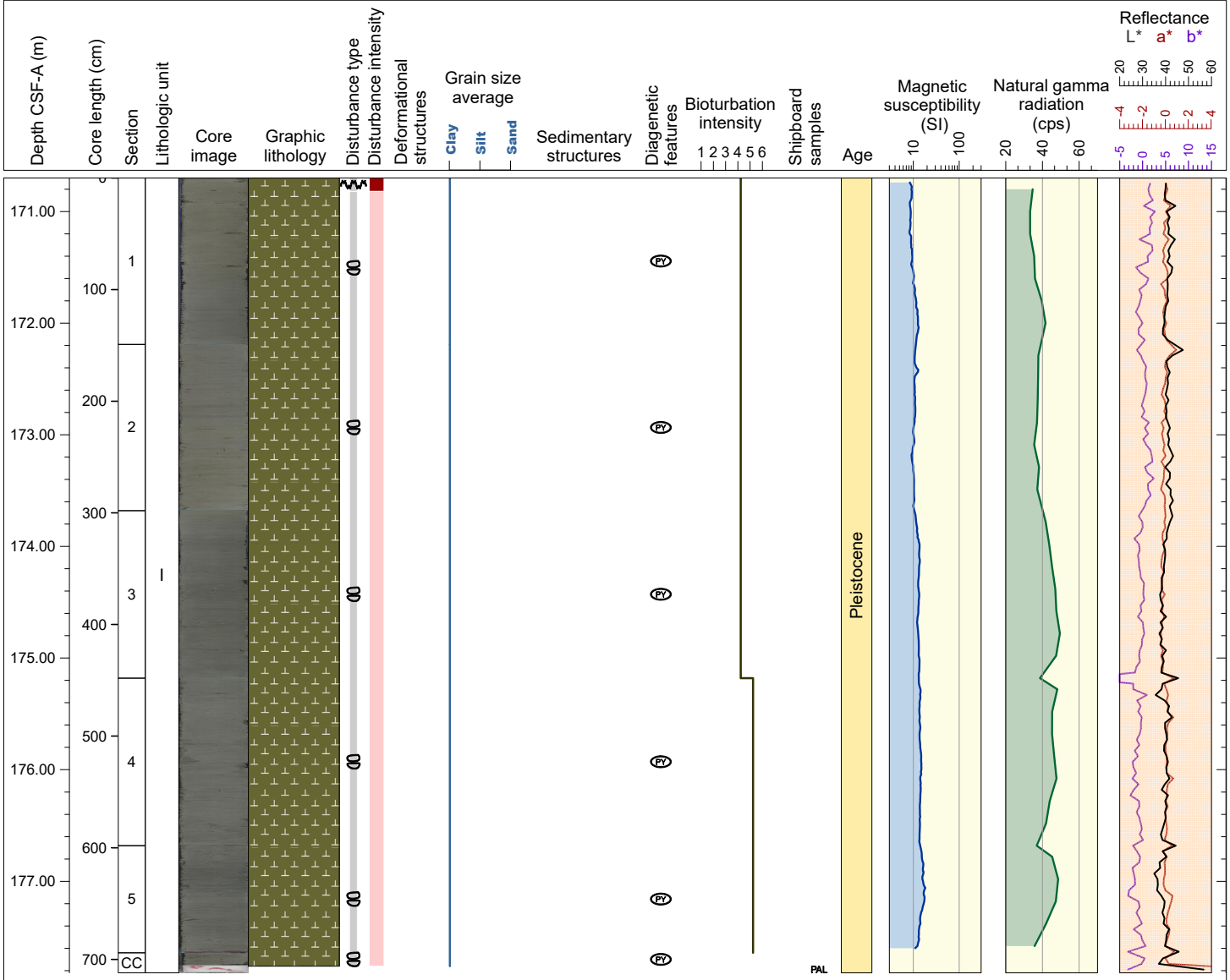
Hole 397-U1588C Core 17X, Interval 165.9-172.29 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites, Planolites, Ophiomorpha and Thalassinoides. A macrofossil shell occurs at 108 cm in Section 2. The uppermost 13 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly to moderately disturbed by biscuiting.



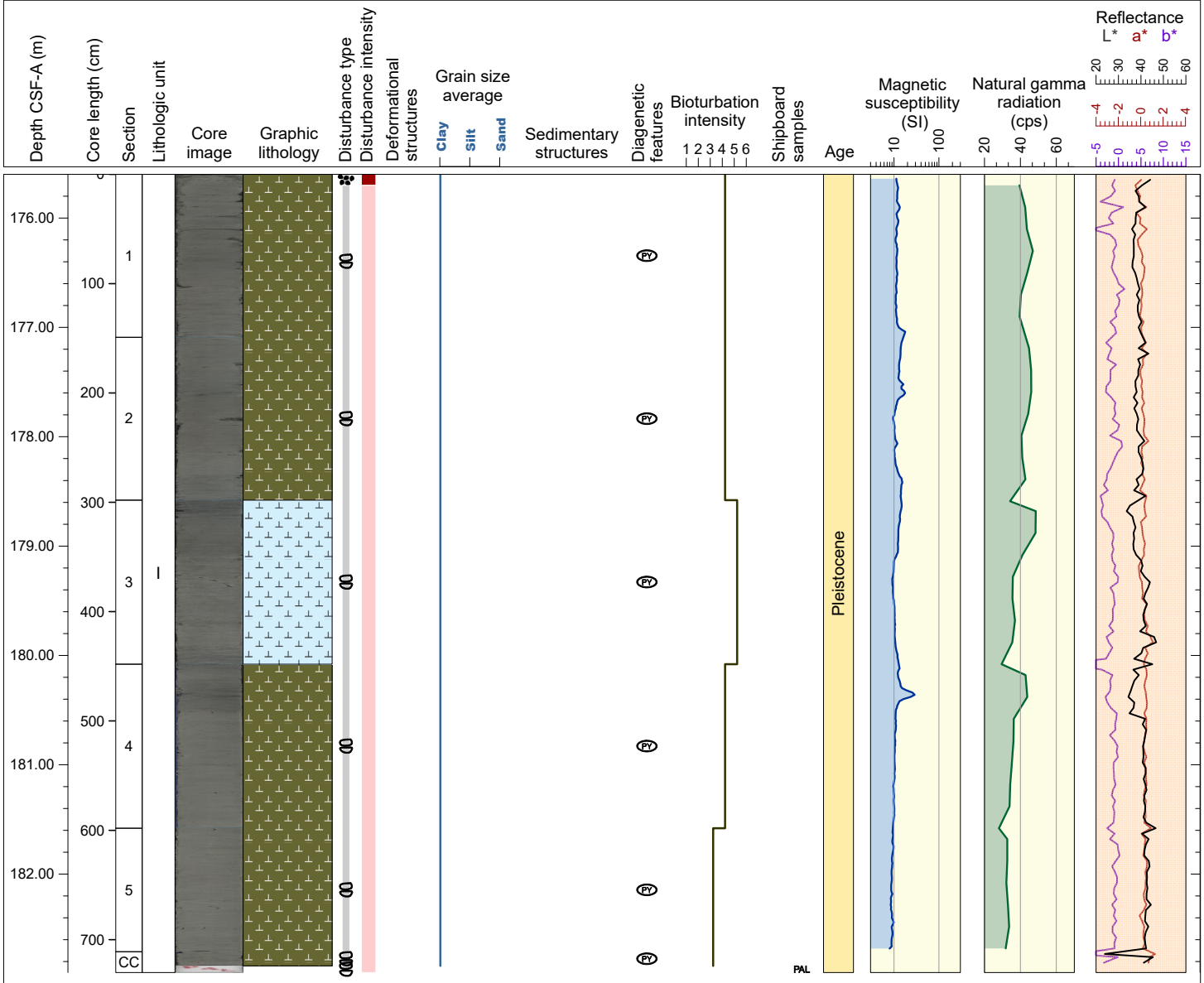
Hole 397-U1588C Core 18X, Interval 170.7-177.82 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate to heavy throughout, with trace fossils observed, including Chondrites, Planolites, Ophiomorpha and Thalassinoides. Macrofossil shells occur at 53 cm in Section 1, and 32 cm in Section 4. The uppermost 12 cm of Section 1 has severely disturbed bedding, and the rest of the core is slightly disturbed by biscuiting.



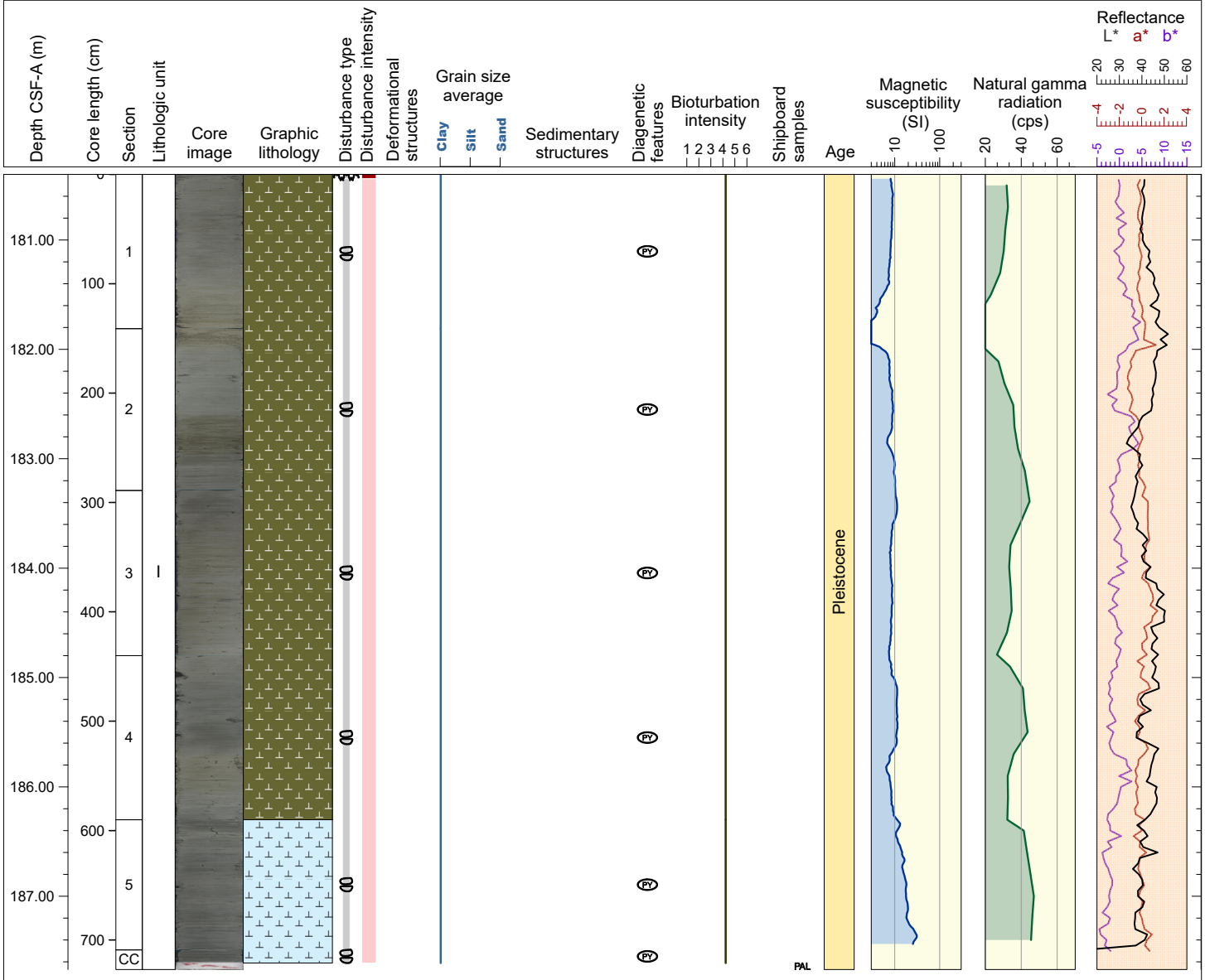
Hole 397-U1588C Core 19X, Interval 175.6-182.9 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to heavy throughout, with trace fossils observed, including Chondrites, Planolites, Ophiomorpha and Thalassinoides. The uppermost 10 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly to moderately disturbed by biscuiting.



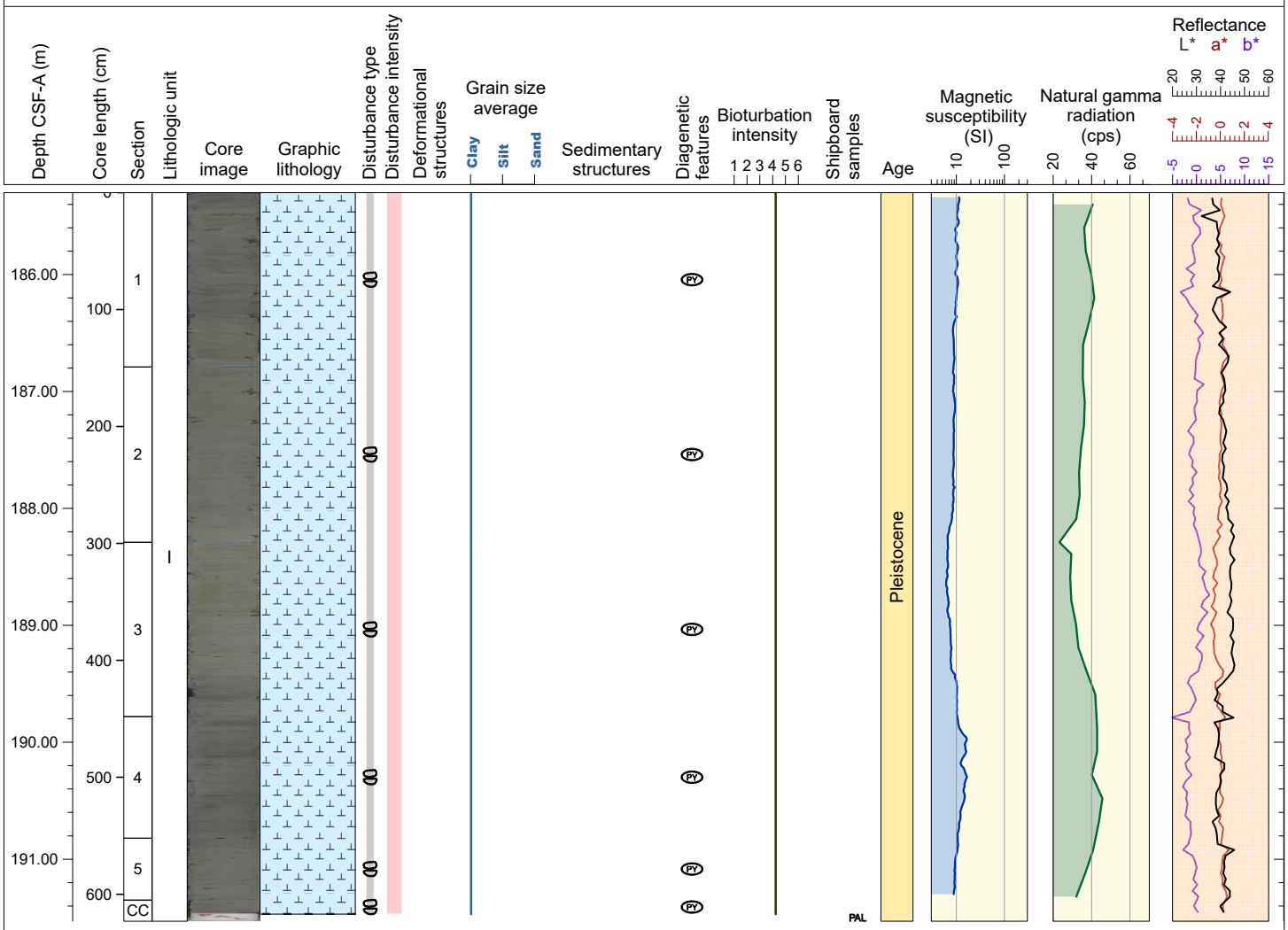
Hole 397-U1588C Core 20X, Interval 180.4-187.67 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to heavy throughout, with trace fossils observed, including Chondrites, Planolites, Ophiomorpha and Thalassinoides.



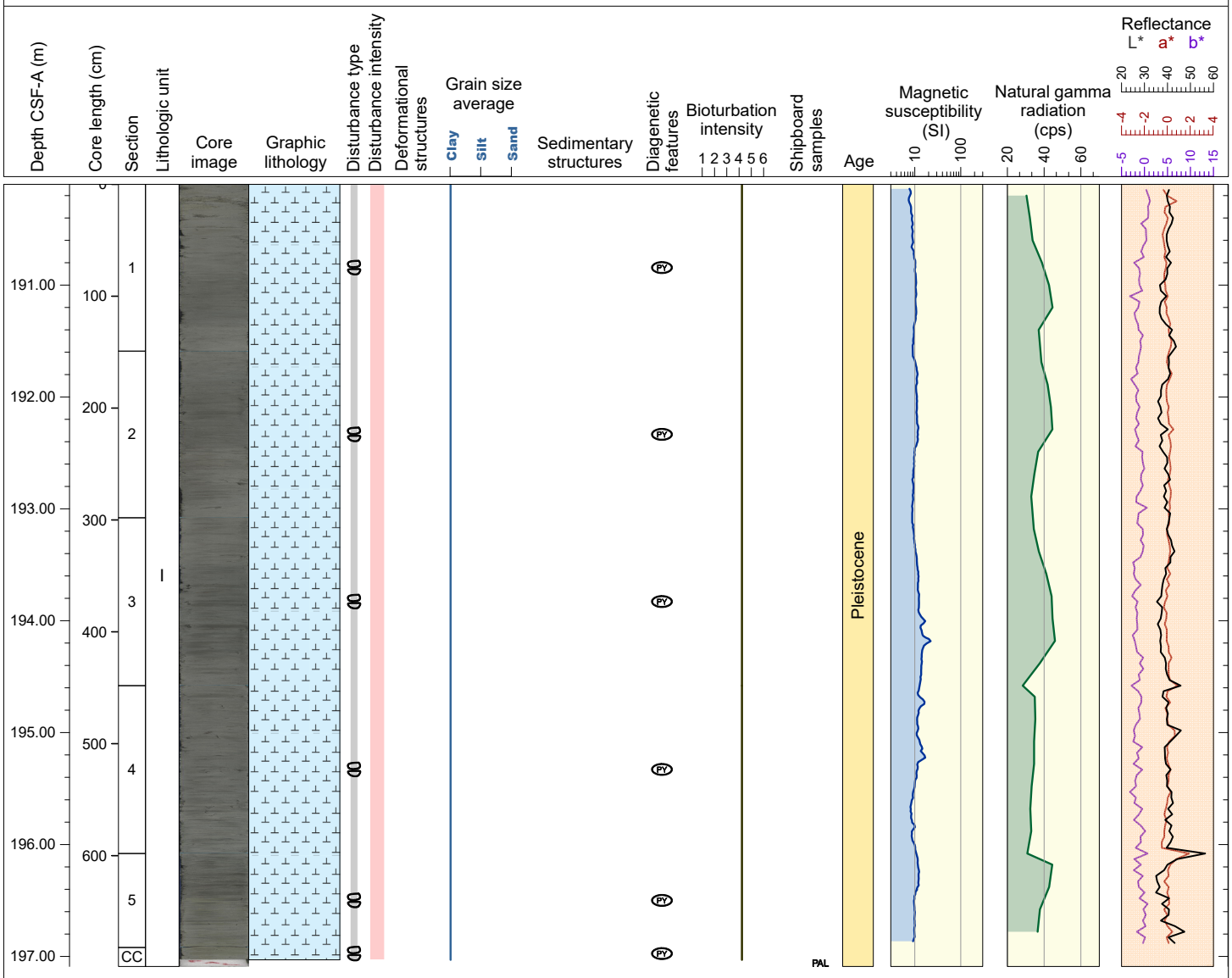
Hole 397-U1588C Core 21X, Interval 185.3-191.53 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout, and Zoophycos traces in Section 4. A macrofossil shell fragment occurs at 73 cm in Section 1. The entire core is slightly disturbed by biscuiting.



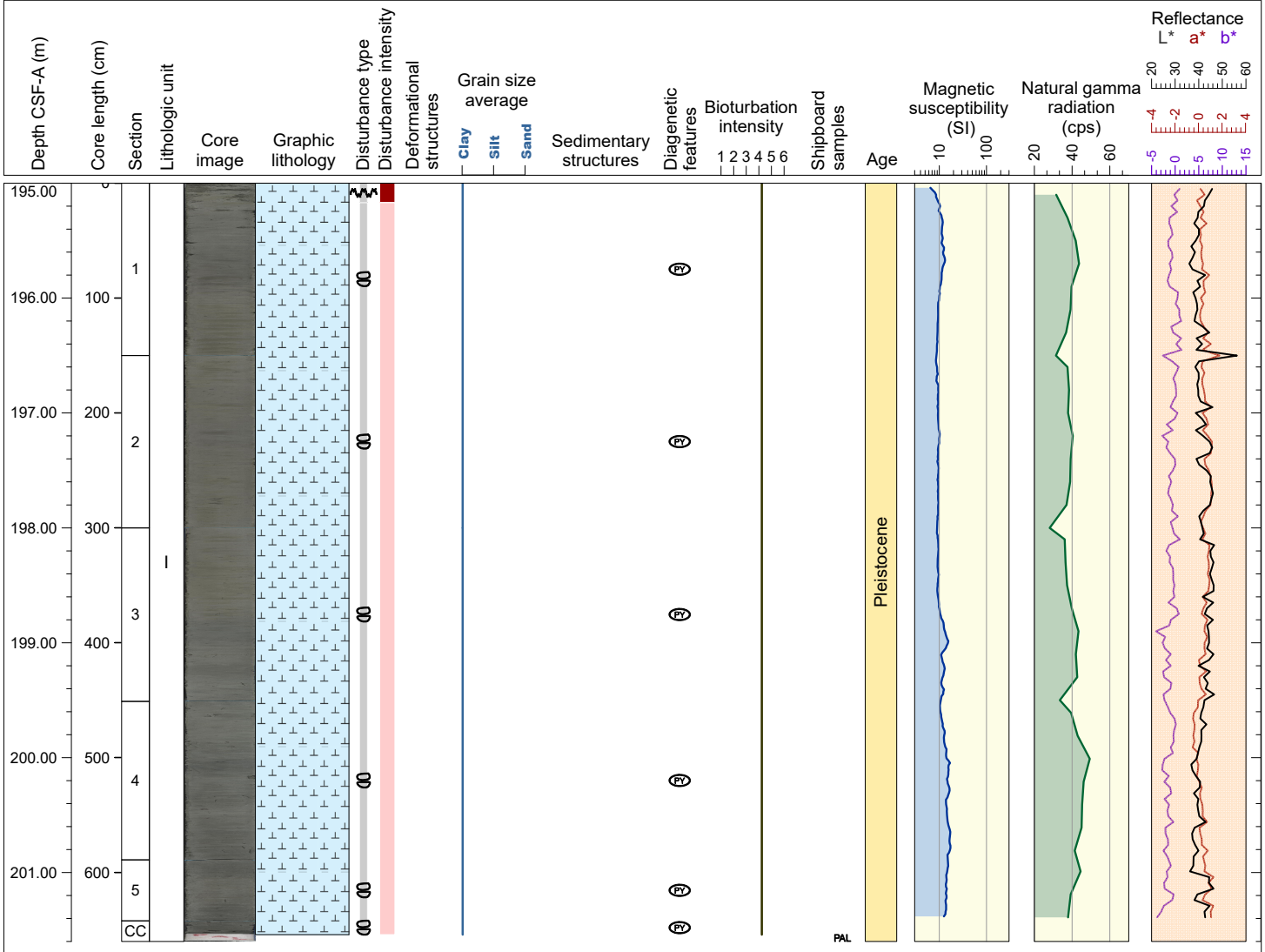
Hole 397-U1588C Core 22X, Interval 190.1-197.09 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites, Ophiomorpha, Planolites and Thalassinoides throughout, and Zoophycos traces in Section 4. A macrofossil shell fragment occurs at 73 cm in Section 1. The entire core is slightly disturbed by biscuiting.



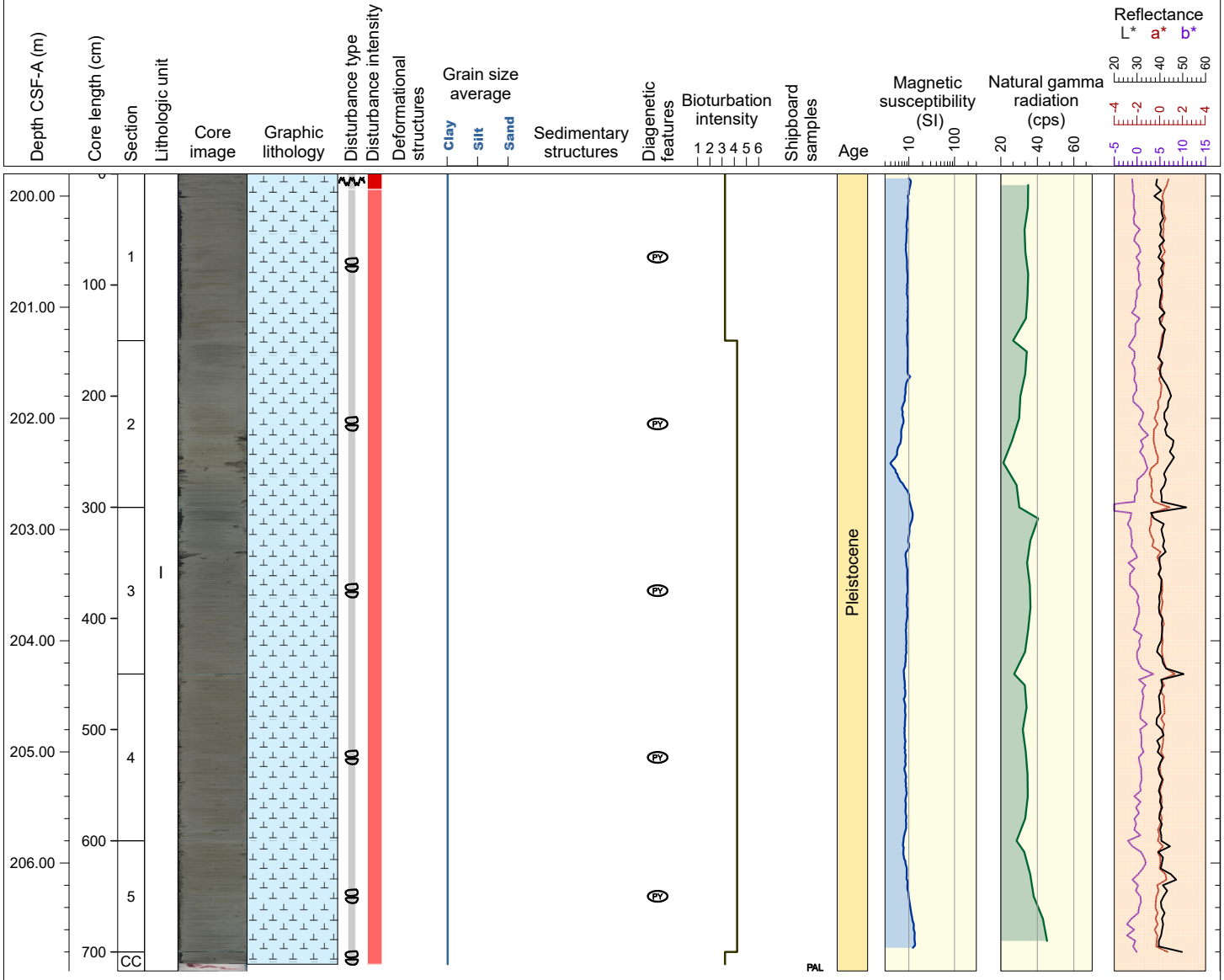
Hole 397-U1588C Core 23X, Interval 195.0-201.6 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites, Ophiomorpha, Planolites and Thalassinoides throughout. The uppermost 17 cm of Section 1 has severely disturbed bedding, and the rest of the core is slightly disturbed by biscuiting.



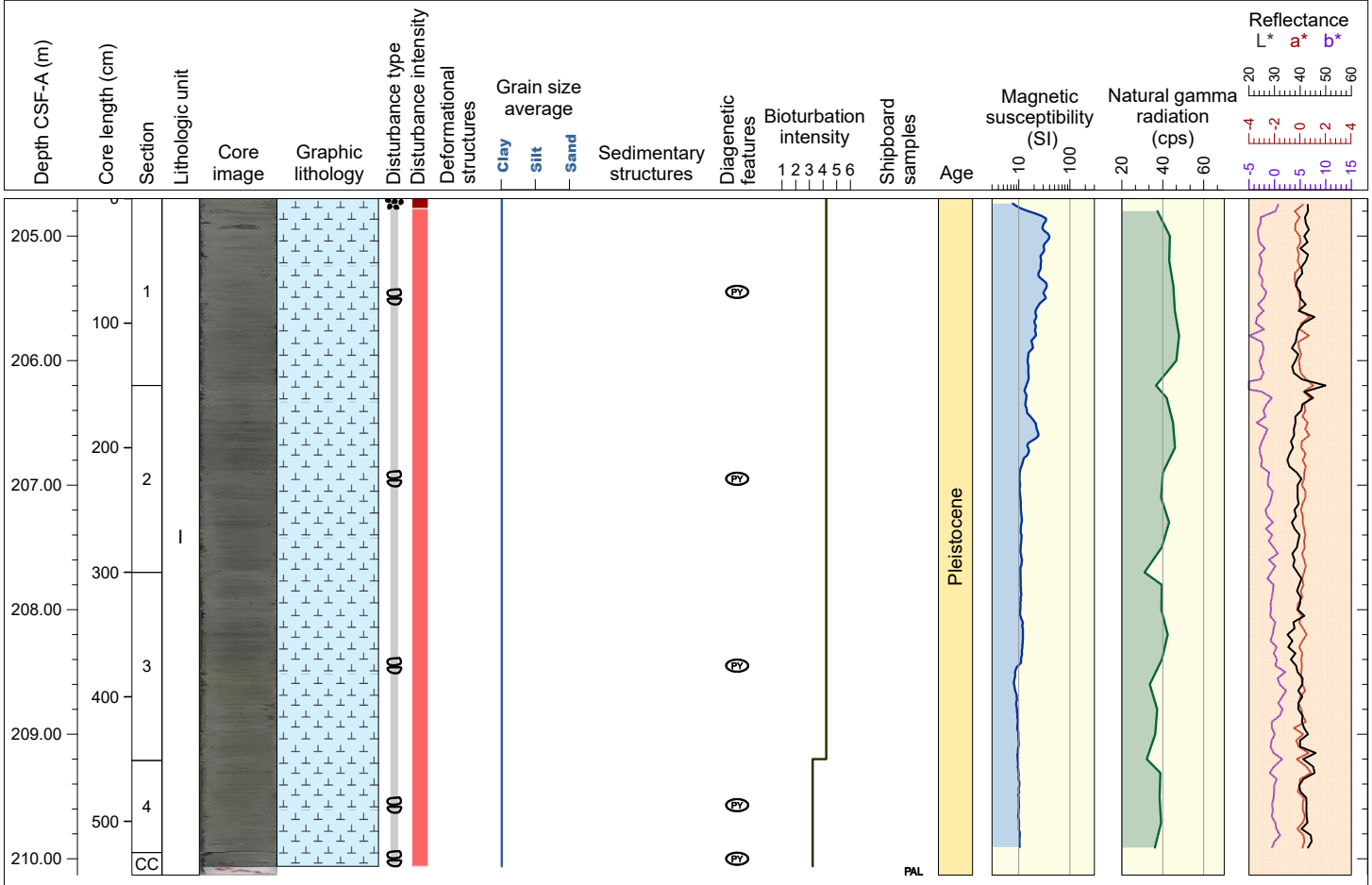
Hole 397-U1588C Core 24X, Interval 199.8-206.97 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites, Ophiomorpha, Planolites and Thalassinoides throughout. Macrofossil shell fragments occur at 4 cm and 10-14 cm in Section 4. The uppermost 14 cm of Section 1 has severely disturbed bedding, and the rest of the core is slightly disturbed by biscuiting.



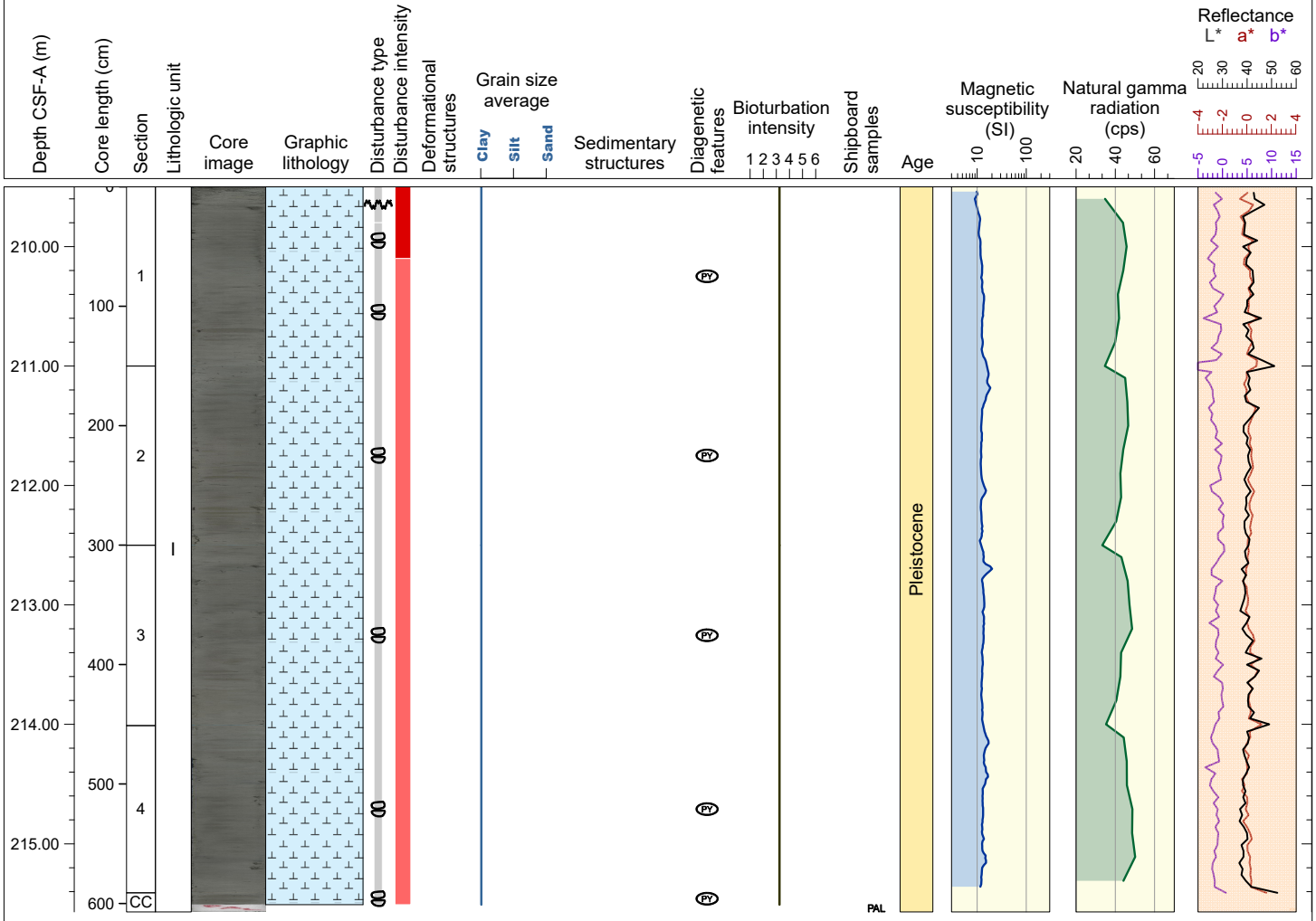
Hole 397-U1588C Core 25X, Interval 204.7-210.13 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites, Ophiomorpha, Planolites and Thalassinoides throughout. The uppermost 14 cm of Section 1 has severely disturbed bedding, and the rest of the core is slightly disturbed by biscuiting.



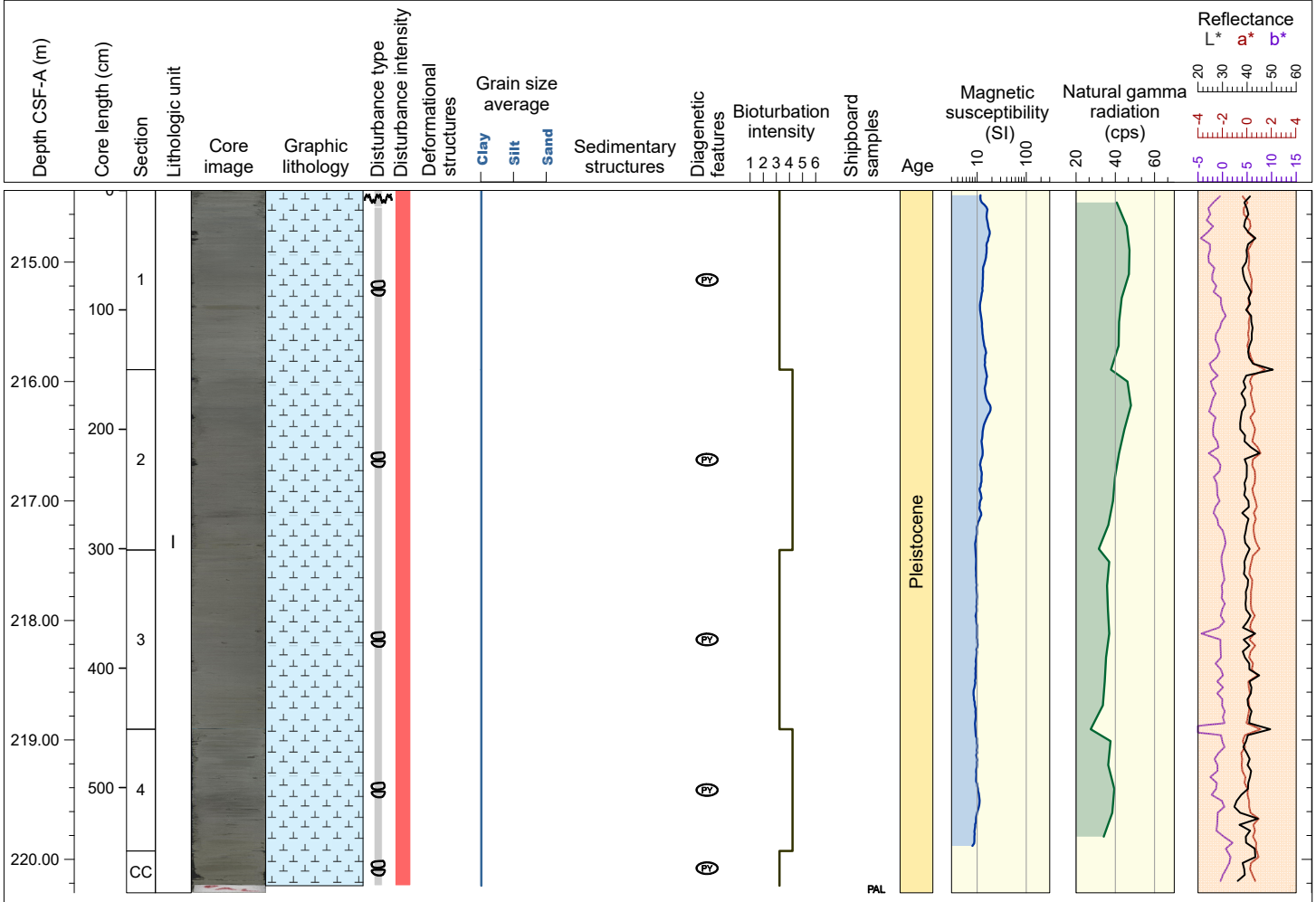
Hole 397-U1588C Core 26X, Interval 209.5-215.57 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. The uppermost 30 cm of Section 1 has strongly disturbed bedding, 30-60 cm of Section is strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



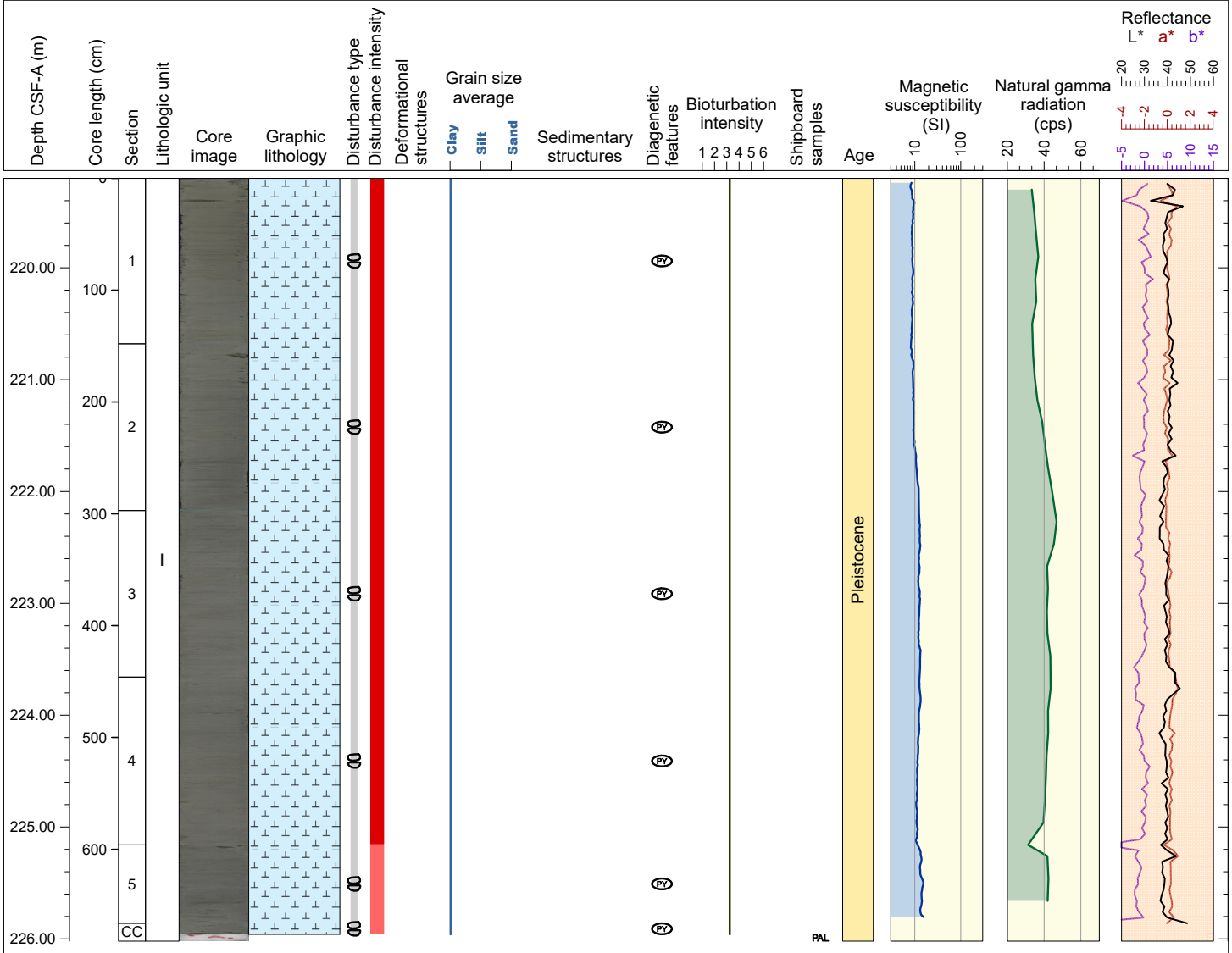
Hole 397-U1588C Core 27X, Interval 214.4-220.28 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core, and dark patches (pyrite) are seen surrounding trace fossil burrows in Sections 1 and 2. Bioturbation is slight in sections 1, 3 and CC, and moderate in sections 2 and 4, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. Rare macrofossils (shell fragments) are seen in Section 4. The uppermost 14 cm of Section 1 has moderately disturbed bedding, and the rest of the core is moderately disturbed by biscuiting.



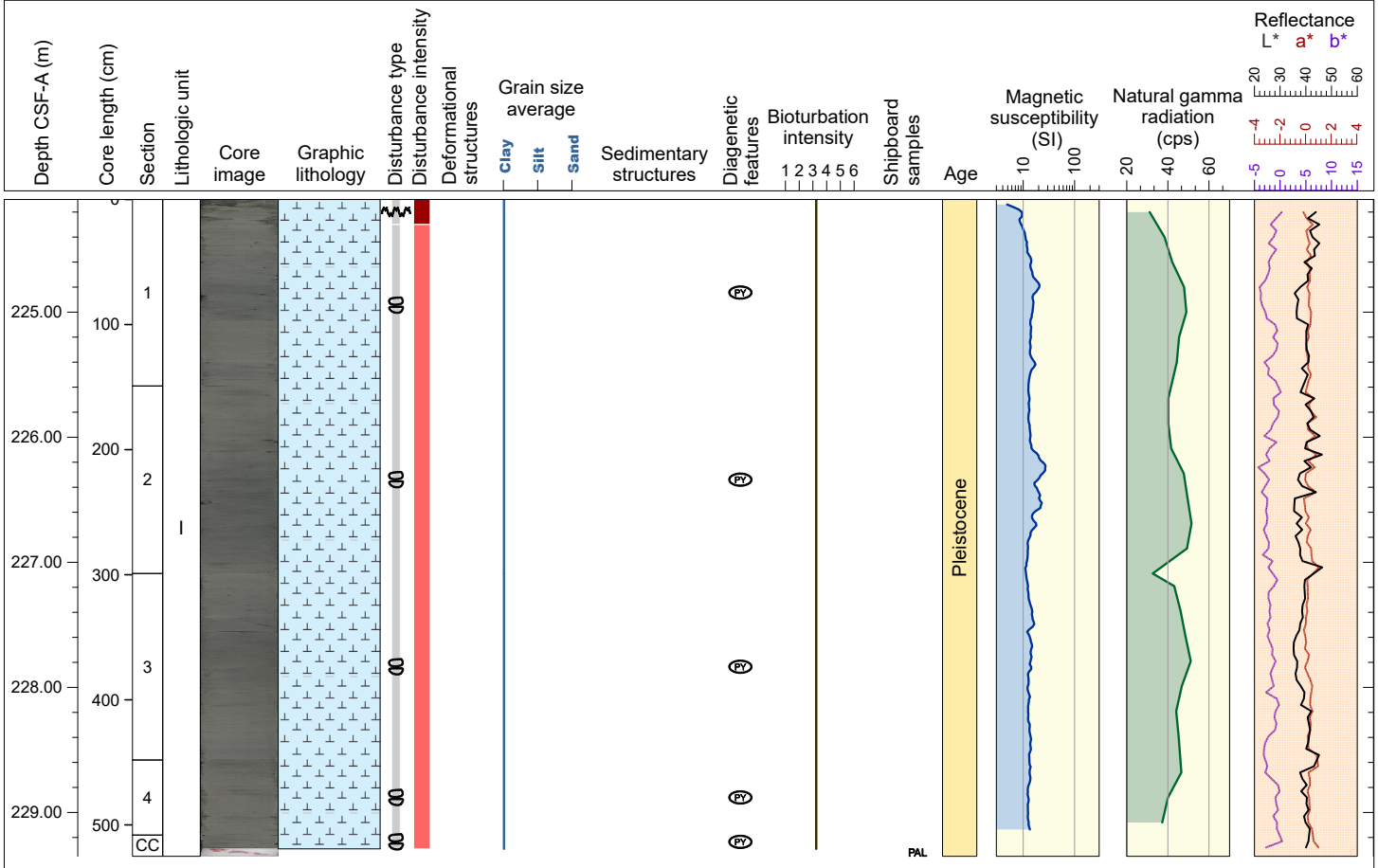
Hole 397-U1588C Core 28X, Interval 219.2-226.02 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight throughout, with trace fossils Chondrites and Planolites observed throughout, and Thalassinoides seen in Sections 2 and 5. Rare macrofossils (shell fragments) are seen at 33 cm in Section 4. Sections 1-4 are strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



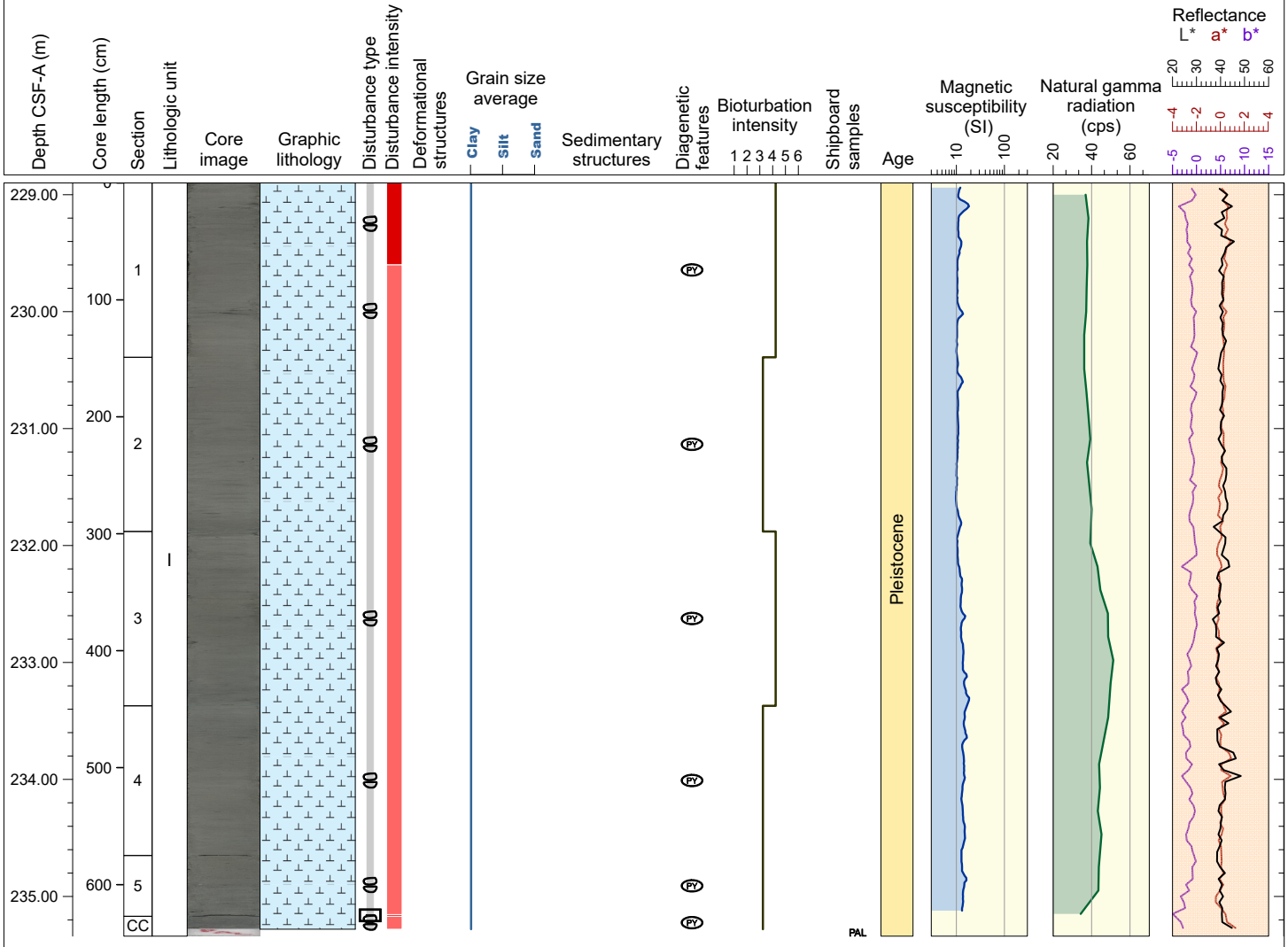
Hole 397-U1588C Core 29X, Interval 224.1-229.35 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Very minor forams are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight throughout, with trace fossils observed, including Chondrites seen throughout, Planolites in sections 1-4, and Thalassinoides in Sections 1-2. The uppermost 20 cm of Section 1 has severely disturbed bedding, and the rest of the core is moderately disturbed by biscuiting.



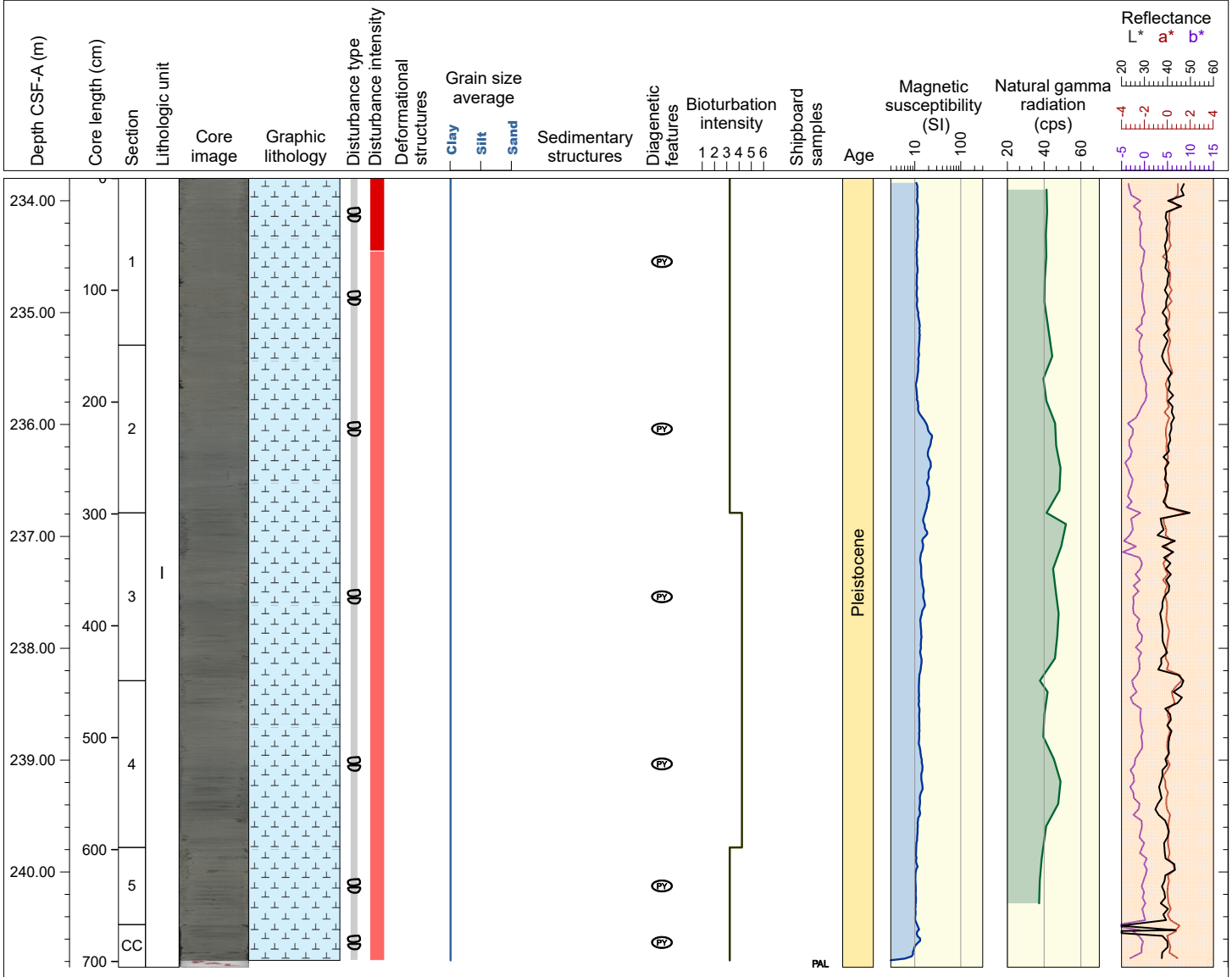
Hole 397-U1588C Core 30X, Interval 228.9-235.34 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate in Sections 1 and 3, and is slight in others, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. The uppermost 70 cm of Section 1 is strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



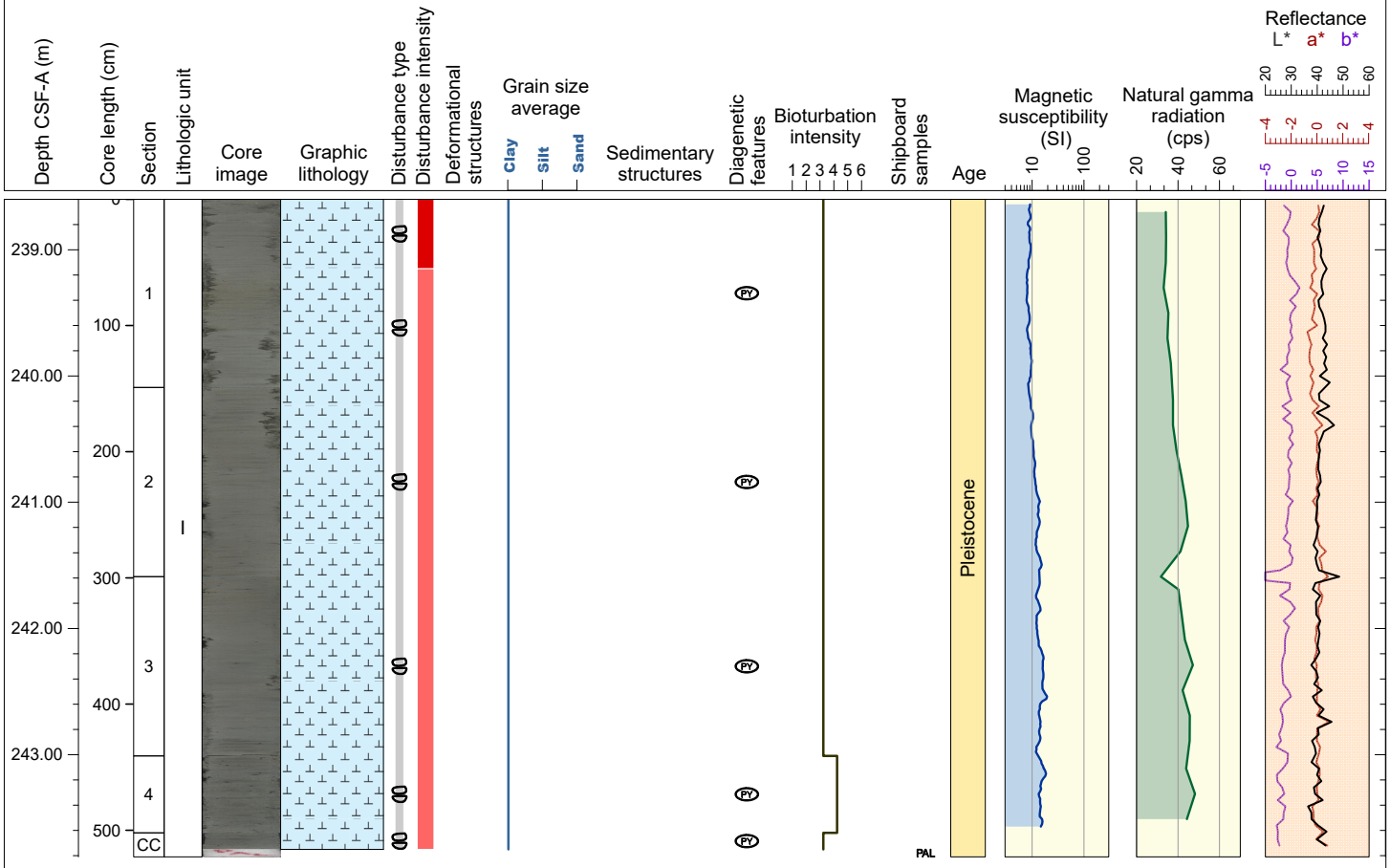
Hole 397-U1588C Core 31X, Interval 233.8-240.85 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules and dark patches surrounding burrows occur throughout the core. Bioturbation is moderate in sections 3-4 and slight in other sections, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. The uppermost 65 cm of Section 1 is strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



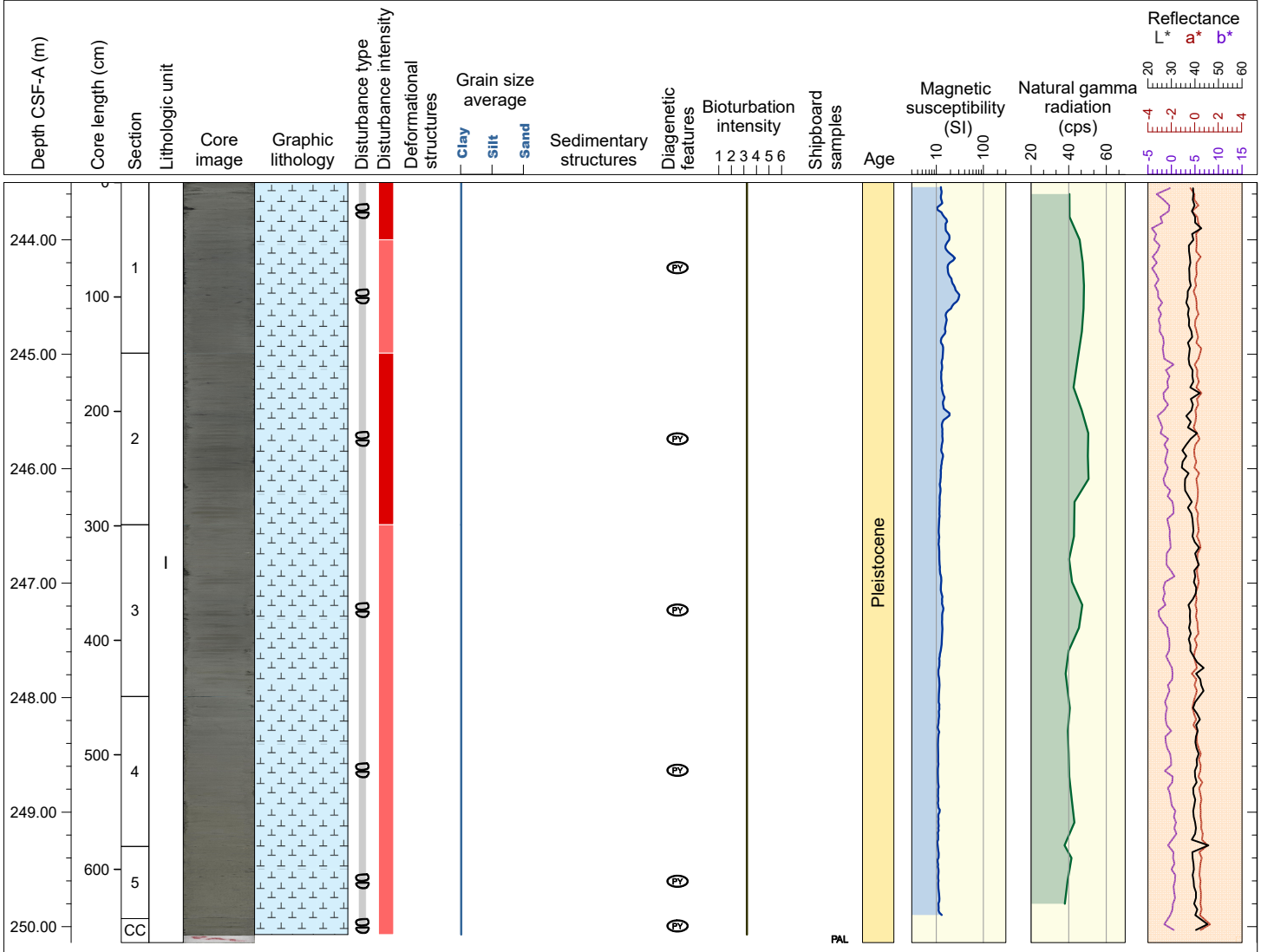
Hole 397-U1588C Core 32X, Interval 238.6-243.81 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core, with dark patches seen in Sections 2&4. Bioturbation is slight throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. Rare macrofossils (shell fragments) are seen in Section 2. The uppermost 55 cm of Section 1 is strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



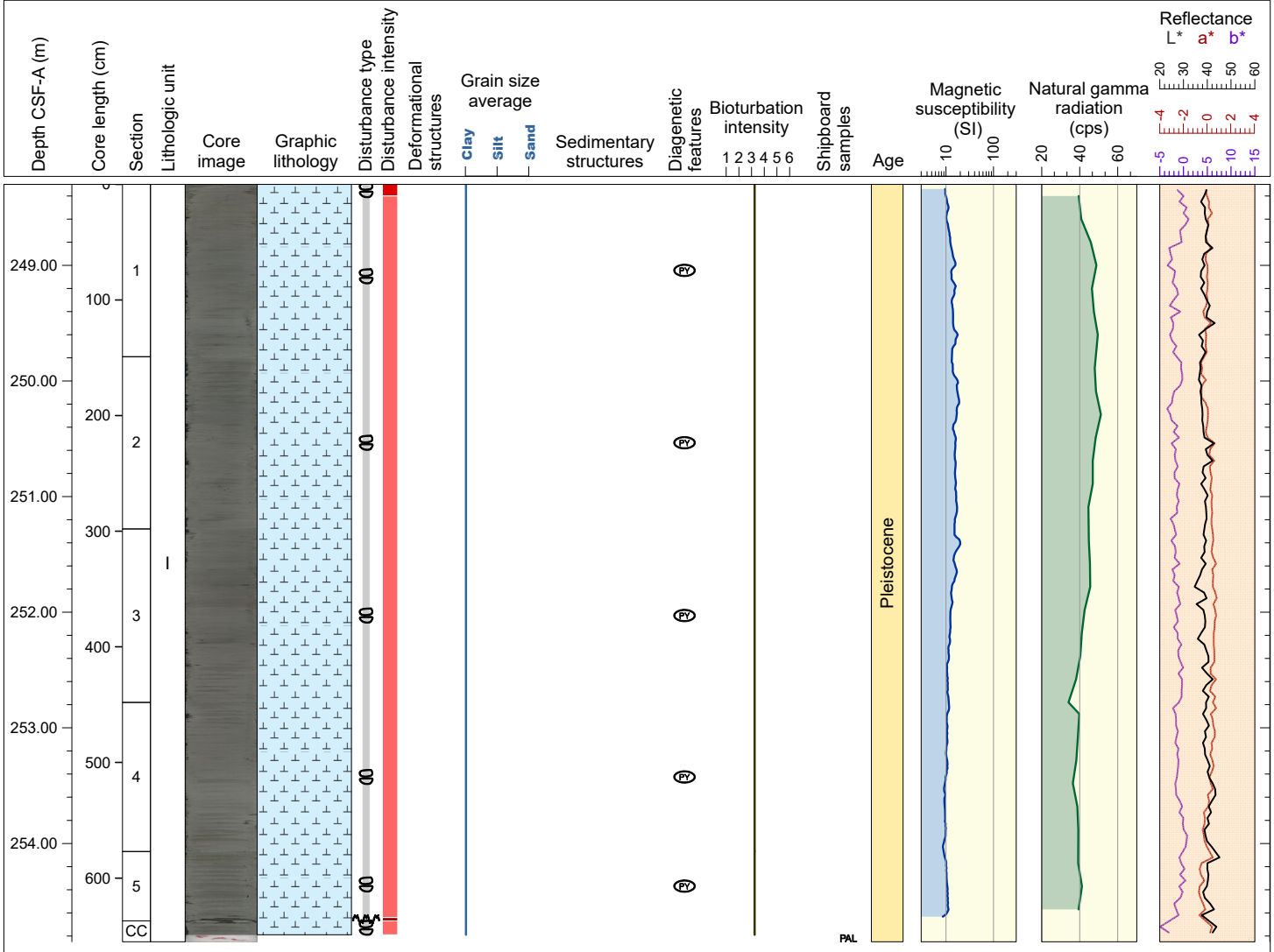
Hole 397-U1588C Core 33X, Interval 243.5-250.14 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core with dark patches seen in Sections 2-3. Bioturbation is slight throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout, and Terebellina seen in Section 1. Rare macrofossils (shell fragments) are seen at 2 cm & 30 cm in Section 5. The uppermost 50 cm of Section 1 and Section 2 are strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



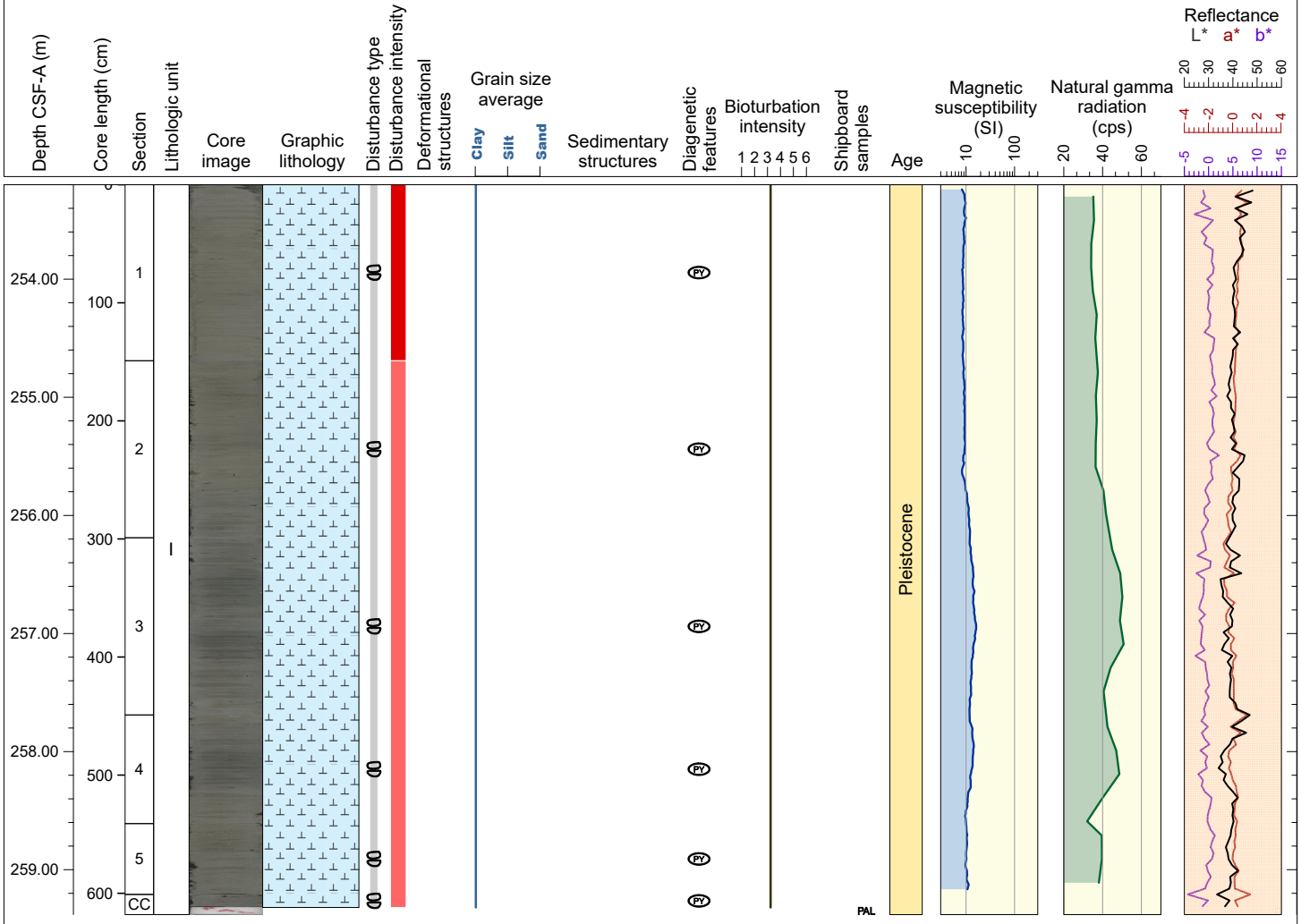
Hole 397-U1588C Core 34X, Interval 248.3-254.85 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight throughout, with trace fossils observed, including Chondrites and Thalassinoides throughout and Planolites seen in Sections 1-4. The uppermost 10 cm of Section 1 is strongly disturbed by biscuiting, 57-60 cm in Section 5 has severely disturbed bedding, and the rest of the core is moderately disturbed by biscuiting.



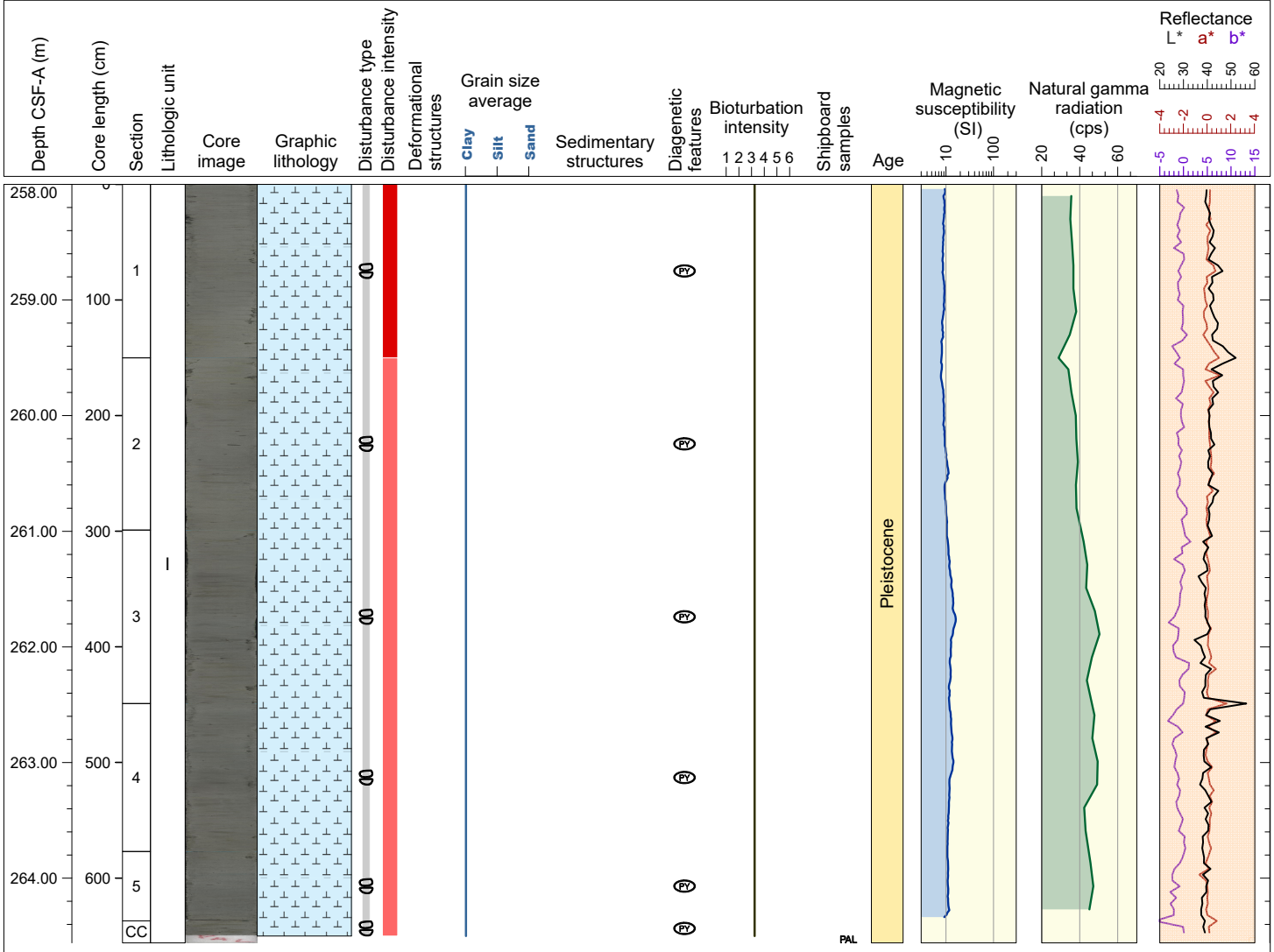
Hole 397-U1588C Core 35X, Interval 253.2-259.38 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight throughout, with trace fossils observed, including Chondrites and Planolites throughout and Thalassinoides seen in Sections 2-4. Rare macrofossils (shell fragments) are seen at 46 cm of Section 3. Section 1 is strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



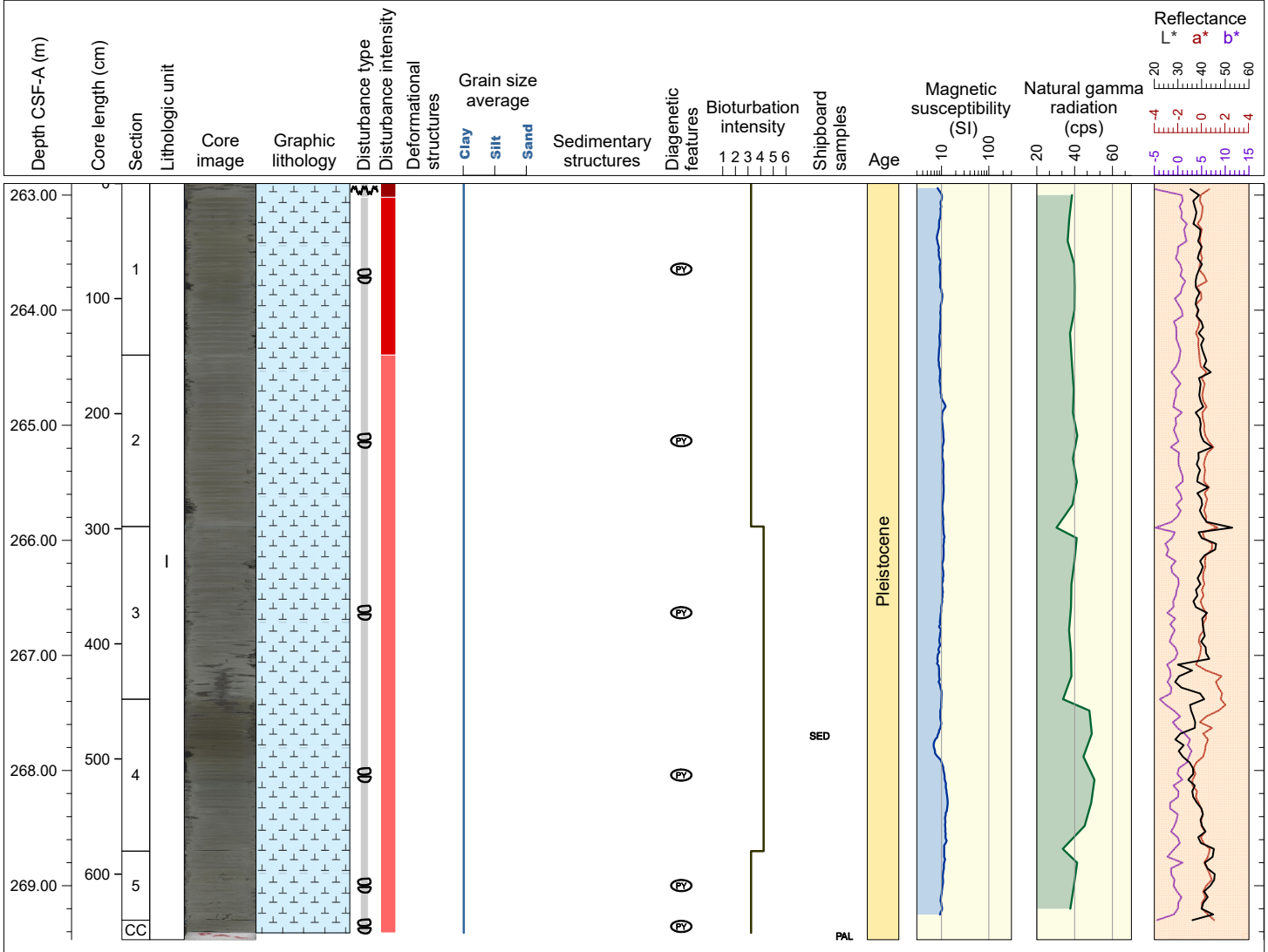
Hole 397-U1588C Core 36X, Interval 258.0-264.56 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core with dark patches seen in Sections 3-5. Bioturbation is slight throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. Rare macrofossils (shell fragments) are seen in Section 2. Section 1 is strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



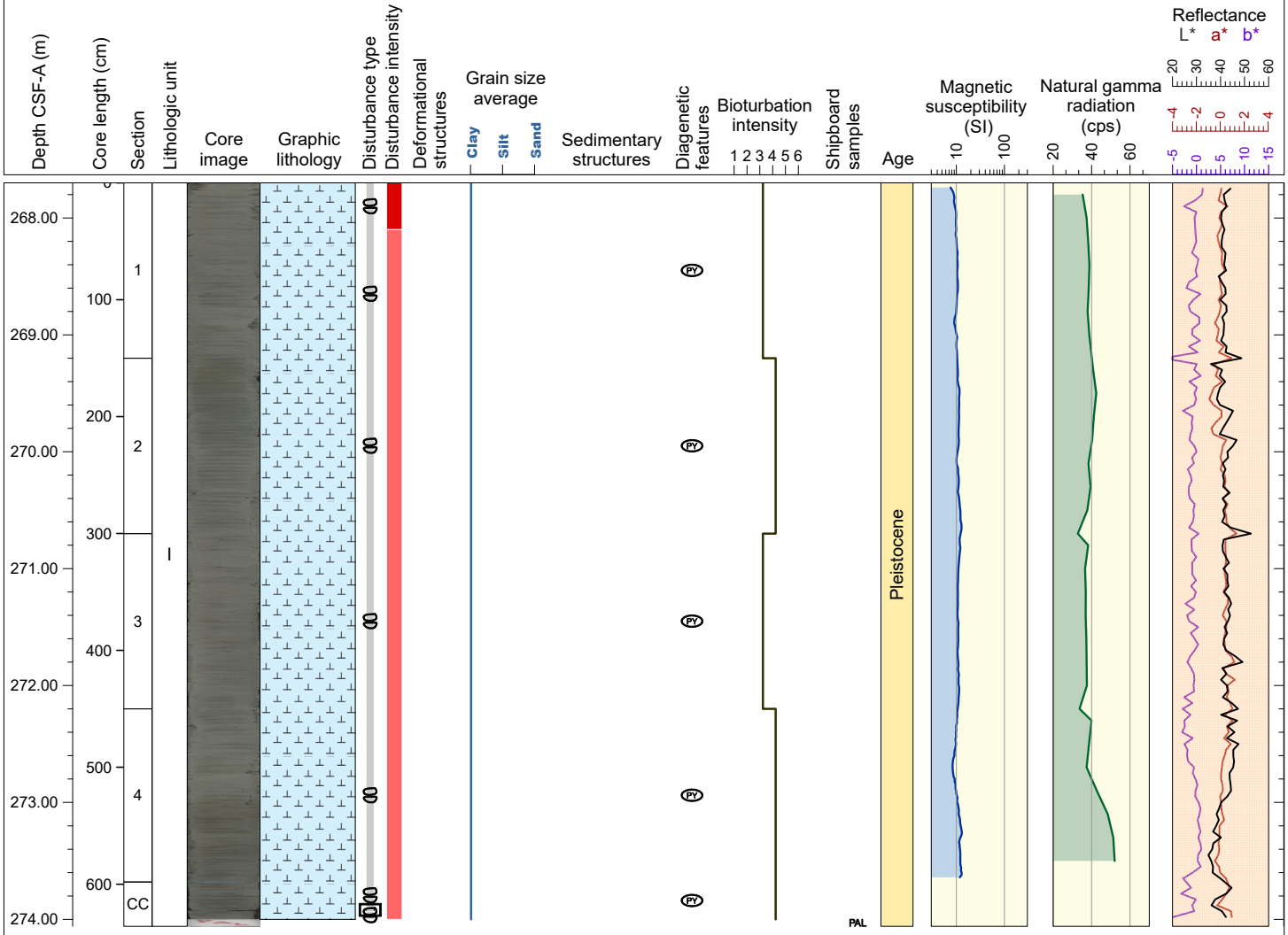
Hole 397-U1588C Core 37X, Interval 262.9-269.47 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core with dark patches seen in Sections 3-4. Bioturbation is moderate in sections 3-4, and slight in others, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. A potential long burrow extending from 70-132 cm in Section 3, and 0-22 cm in Section 4. The uppermost 12 cm of Section 1 has strongly disturbed bedding, 12-149 cm of Section 1 is strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



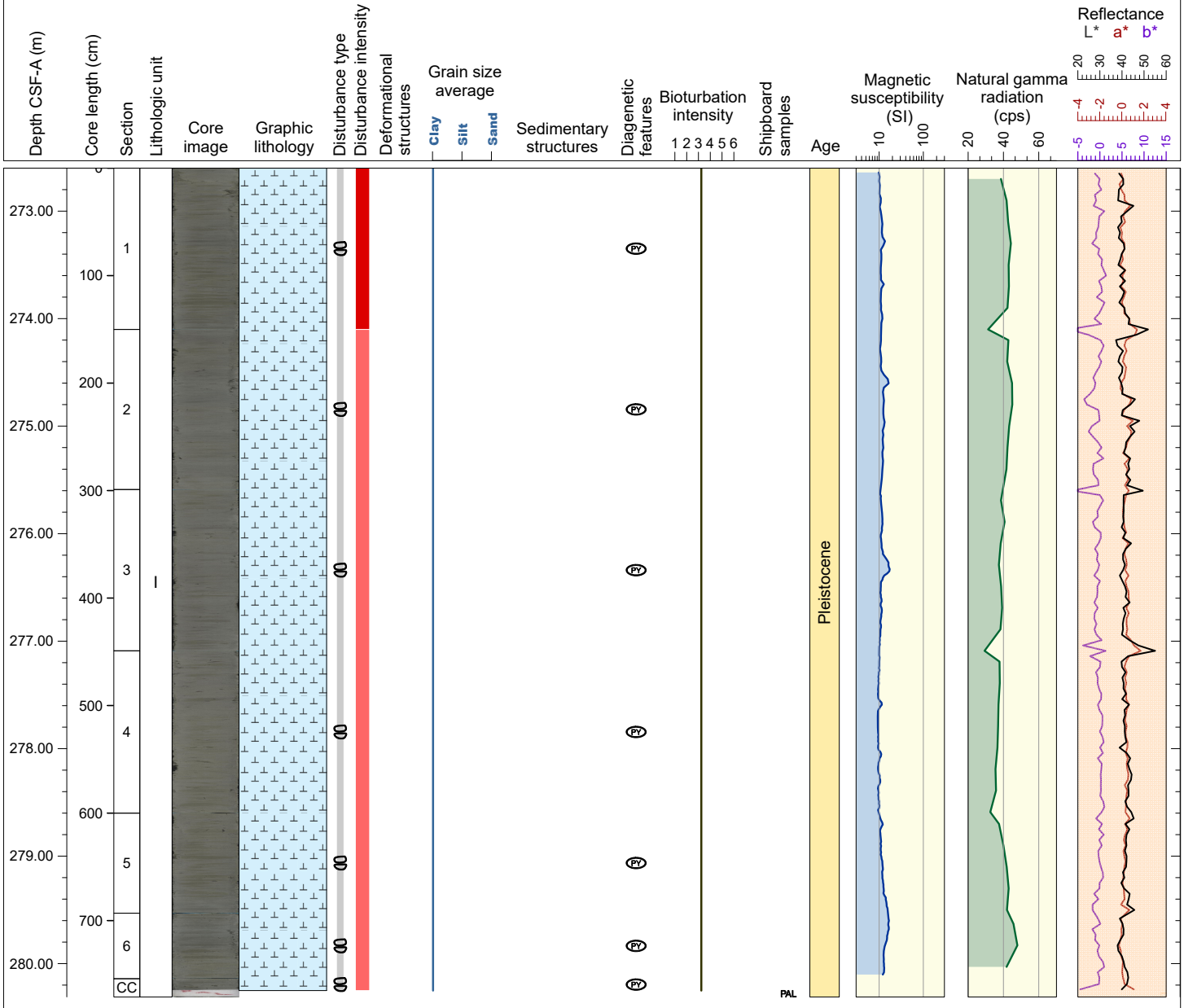
Hole 397-U1588C Core 38X, Interval 267.7-274.06 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight in sections 1 &3, and moderate in others, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. The uppermost 40 cm of Section 1 is strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



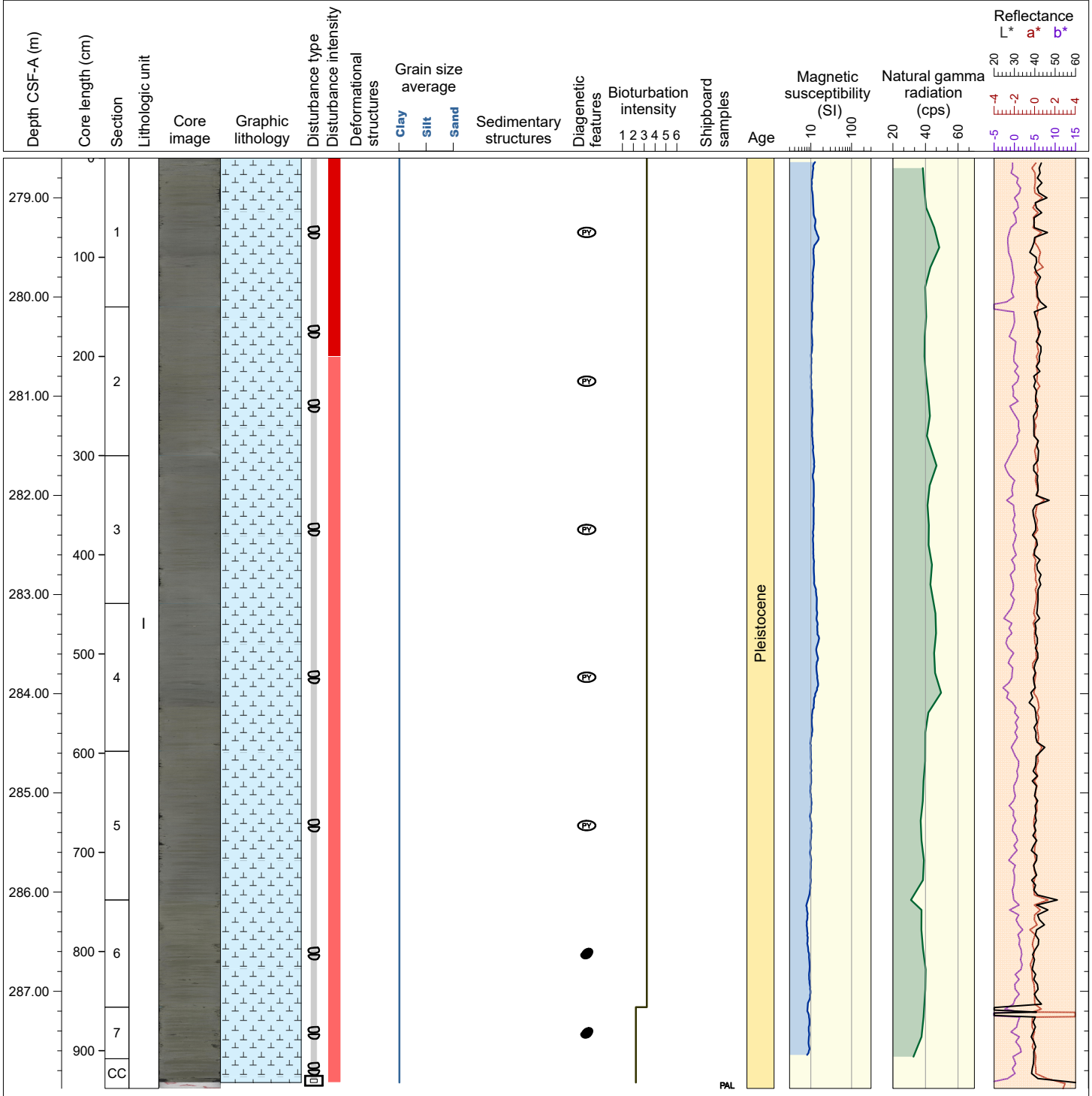
Hole 397-U1588C Core 39X, Interval 272.6-280.31 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. Section 1 is strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



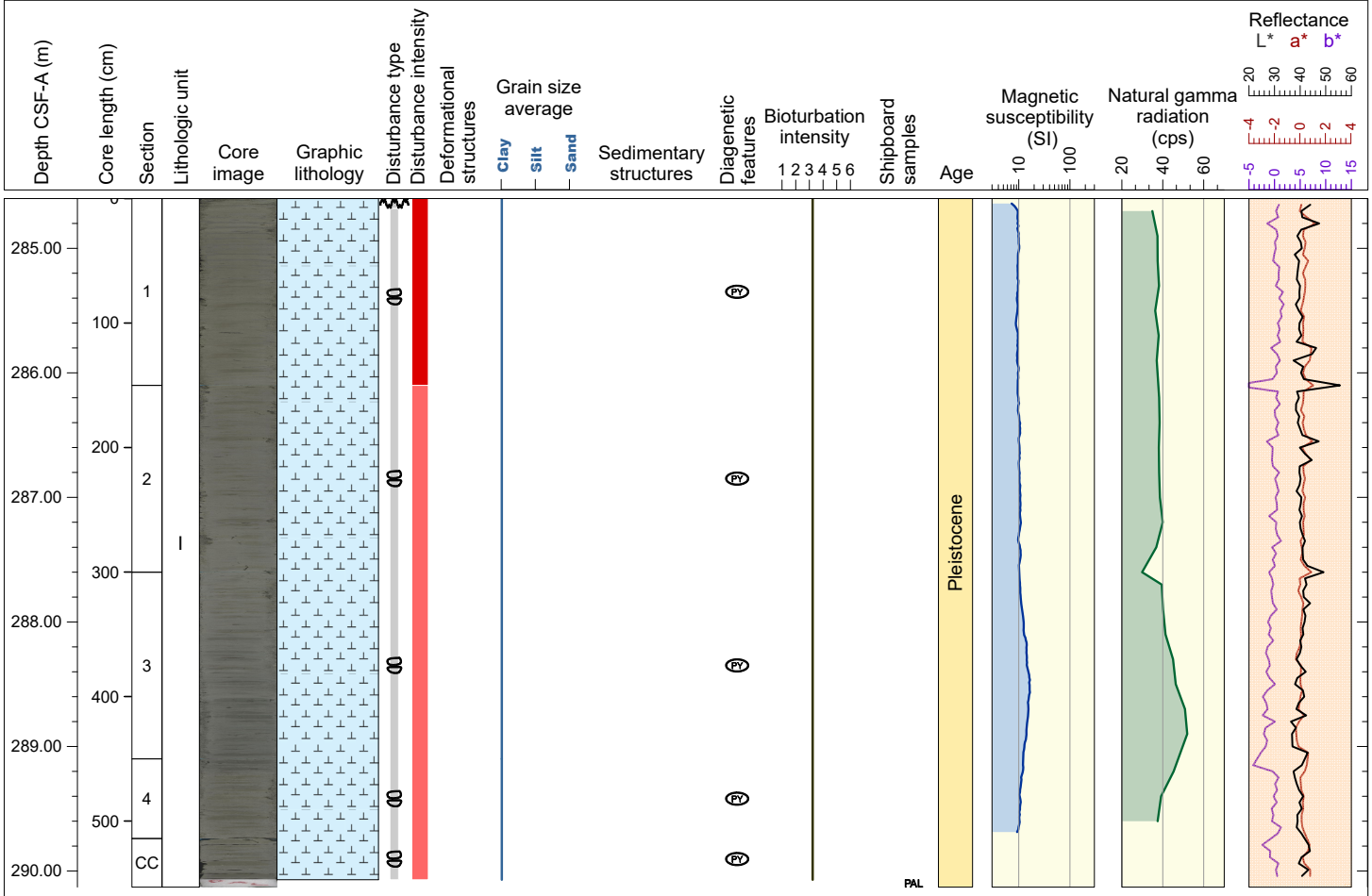
Hole 397-U1588C Core 40X, Interval 278.6-287.98 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core with black patches seen in Section 6-7. Bioturbation is slight in Sections 1-6 and spare in others, with trace fossils observed, including Chondrites, Planolites and Thalassinoides in Sections 1-6 and Chondrites in others. Rare macrofossils (shell fragments) are seen at 100 cm in Section 2, and 24 cm in Section 4. TSection 1 and top 50 cm of Section 2 are strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



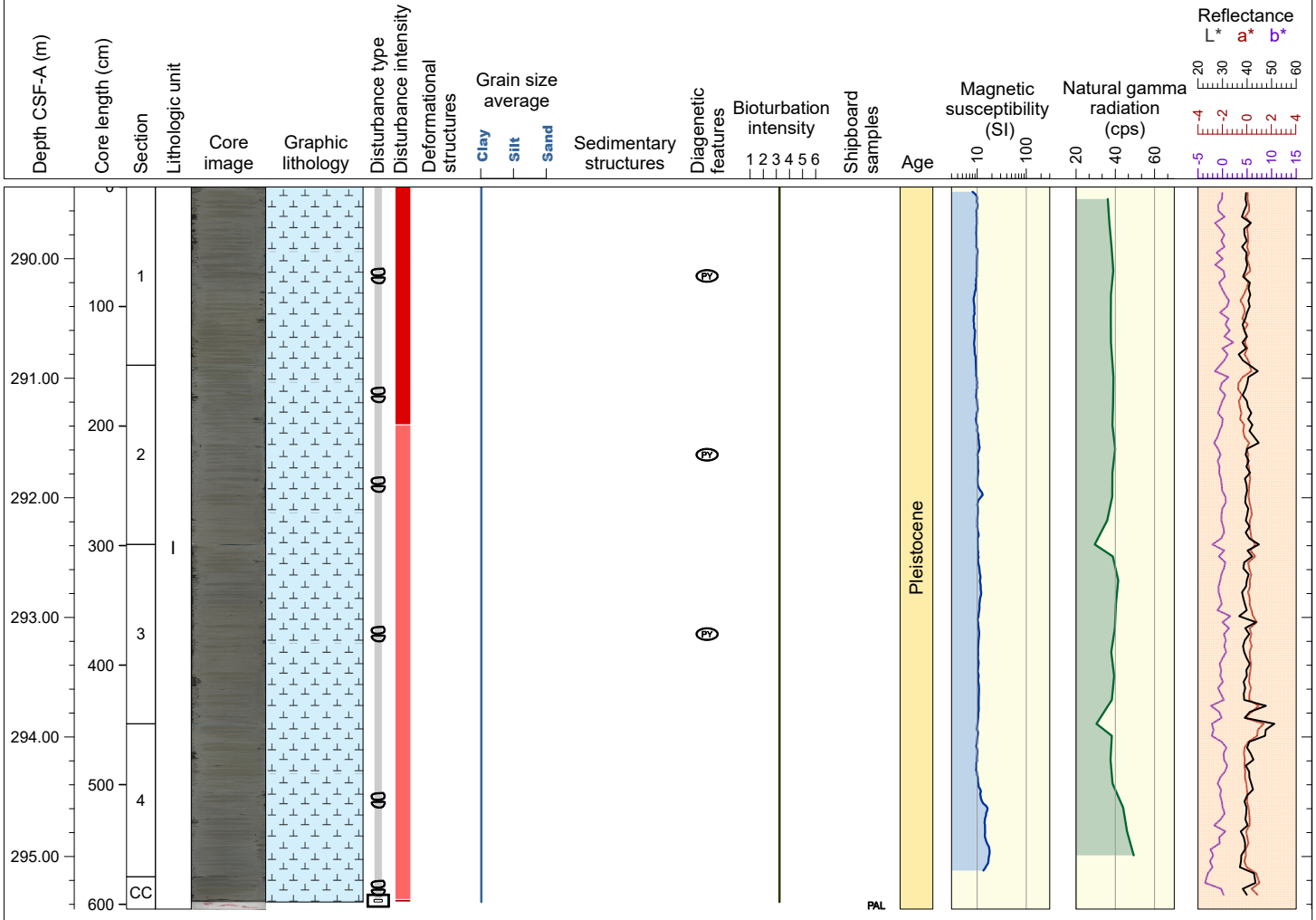
Hole 397-U1588C Core 41X, Interval 284.6-290.13 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. Rare macrofossils (shell fragments) are seen 21 cm of Section 1. The uppermost 8 cm of Section 1 has strongly disturbed bedding, 8-150 cm of Section 1 is strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



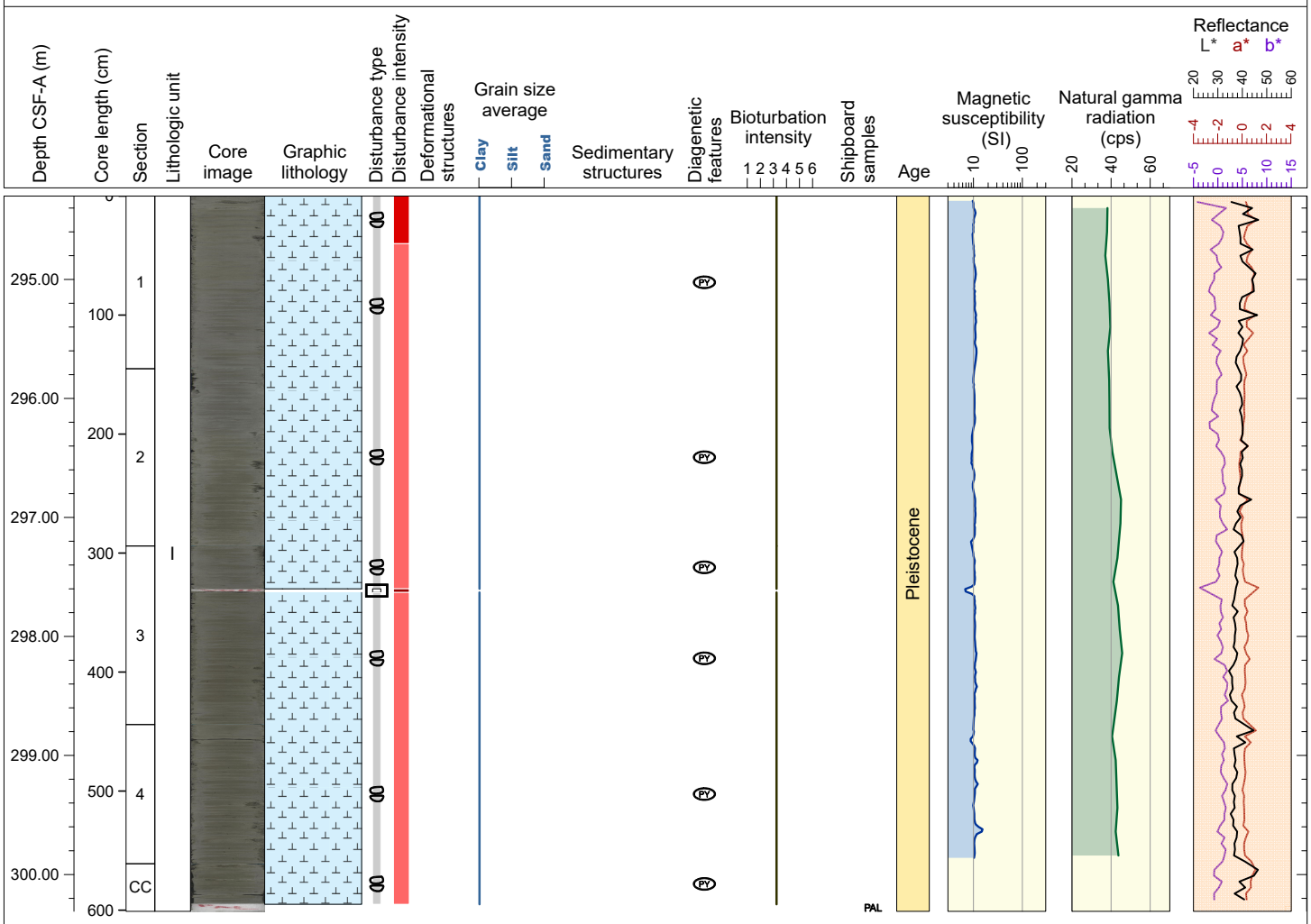
Hole 397-U1588C Core 42X, Interval 289.4-295.44 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur Section 1-4. Bioturbation is slight throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. Section 1 and top 50 cm of Section 2 are strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



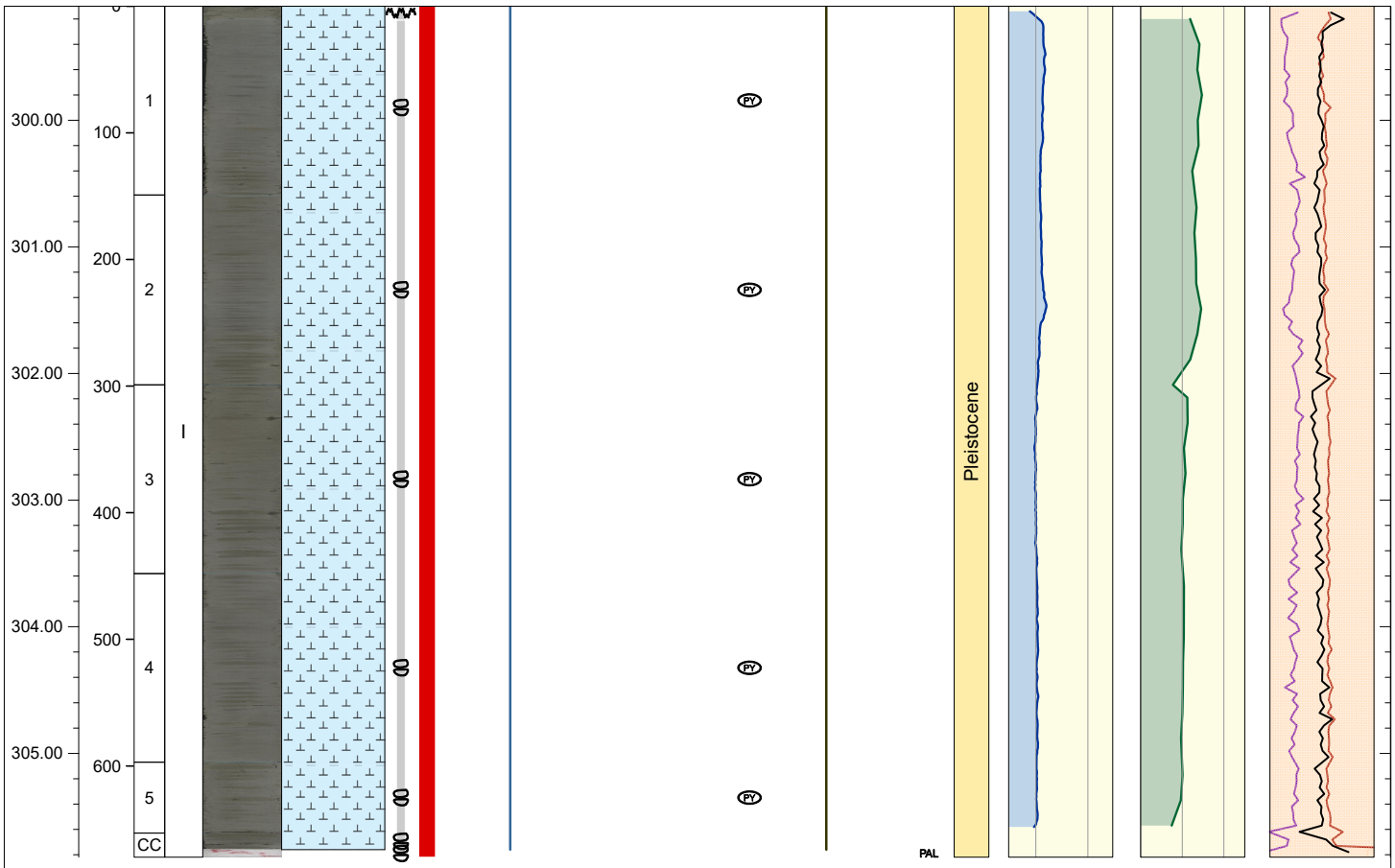
Hole 397-U1588C Core 43X, Interval 294.3-300.31 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight throughout, with trace fossils observed, including Chondrites throughout, and Planolites and Thalassinoides seen in Sections 1-2. The uppermost 40 cm of Section 1 has strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



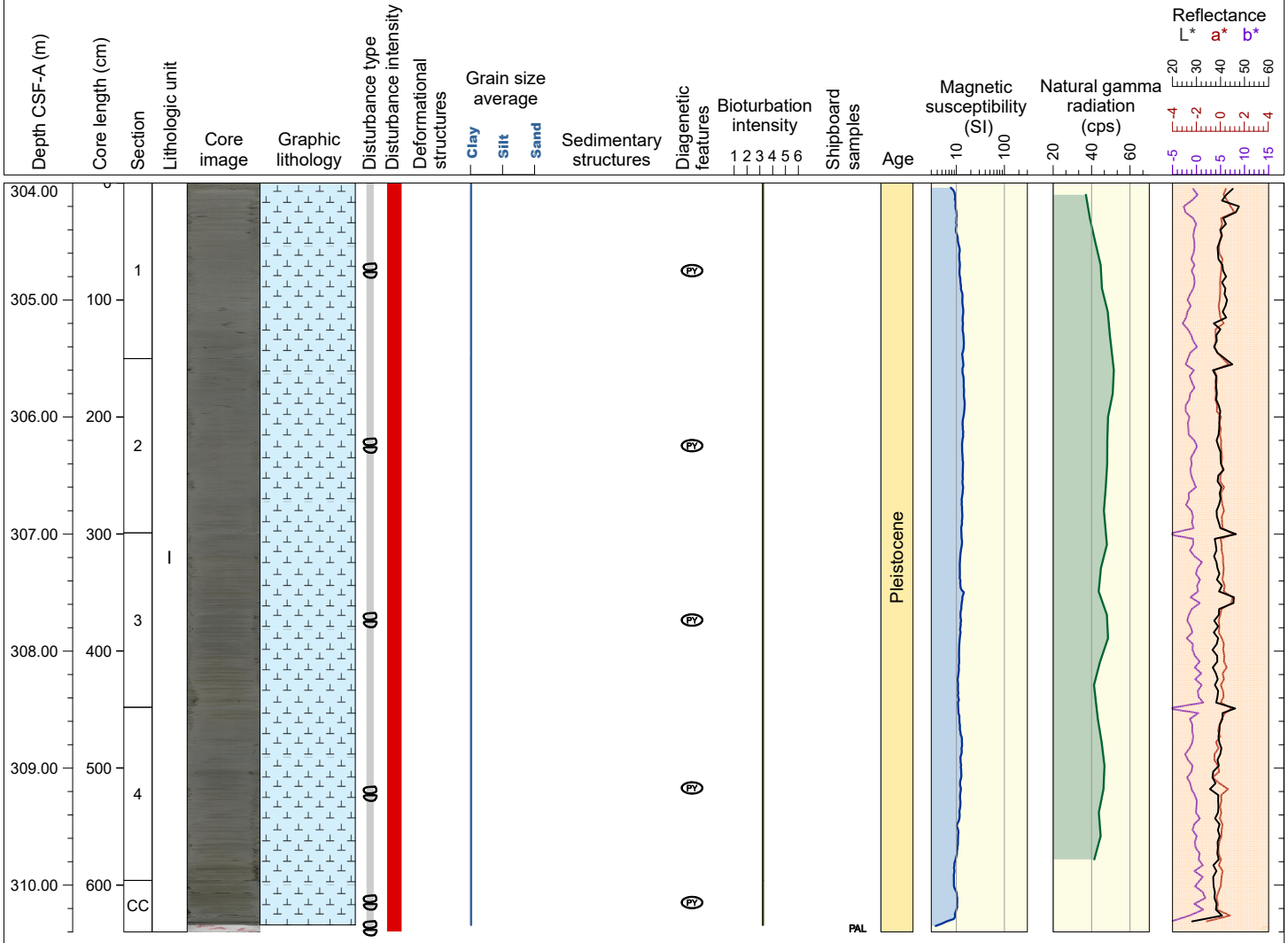
Hole 397-U1588C Core 44X, Interval 299.1-305.82 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight throughout, with trace fossils observed, including Chondrites and Planolites throughout and Thalassinoides seen in Sections 1-2. Rare macrofossils (shell fragments) are seen at 238 cm in Section 5. The uppermost 11 cm of Section 1 has strongly disturbed bedding, and the rest of the core is strongly disturbed by biscuiting.



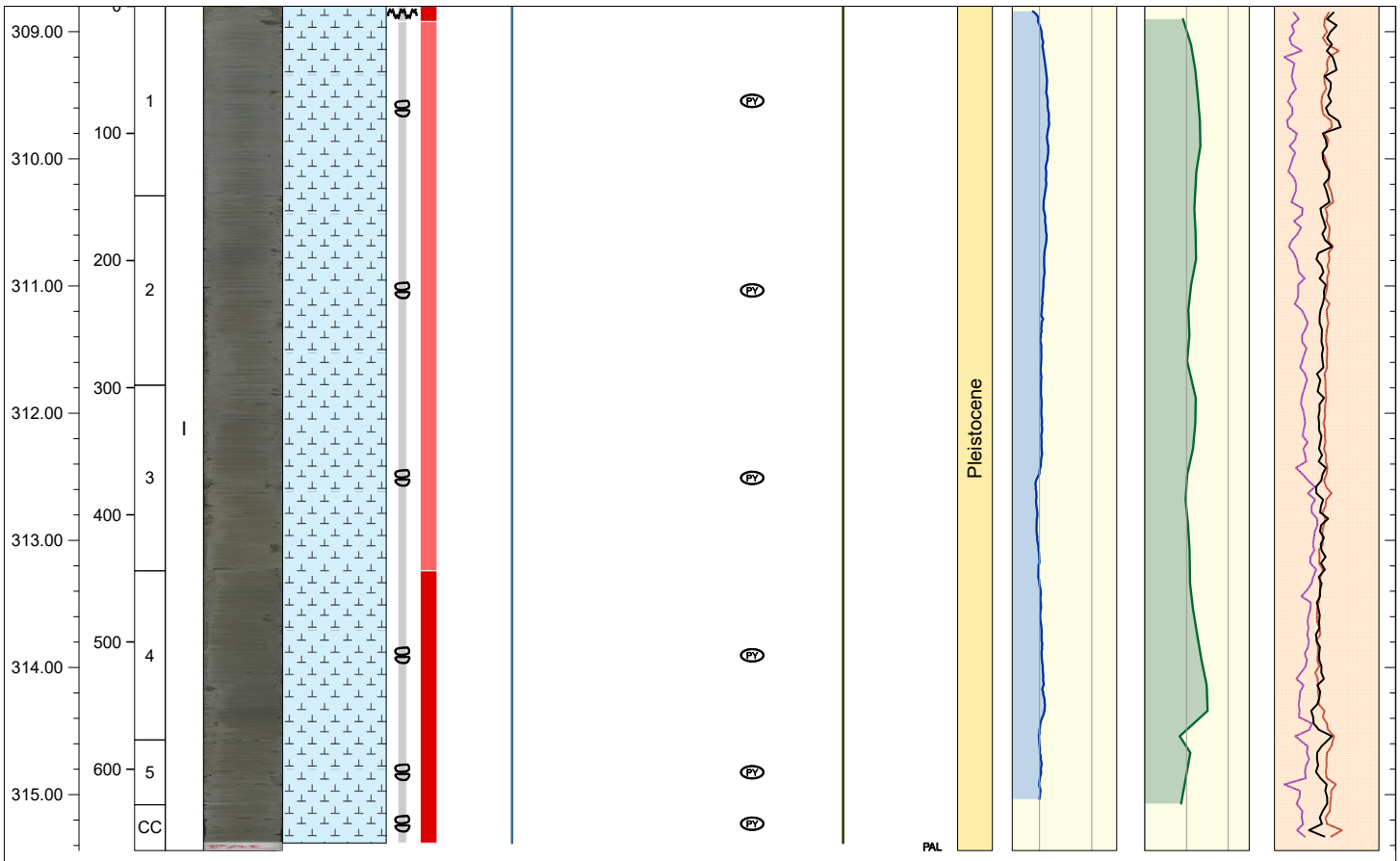
Hole 397-U1588C Core 45X, Interval 304.0-310.4 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. Rare macrofossils (shell fragments) are seen at 25 cm in Section 3. The entire core is strongly disturbed by biscuiting.



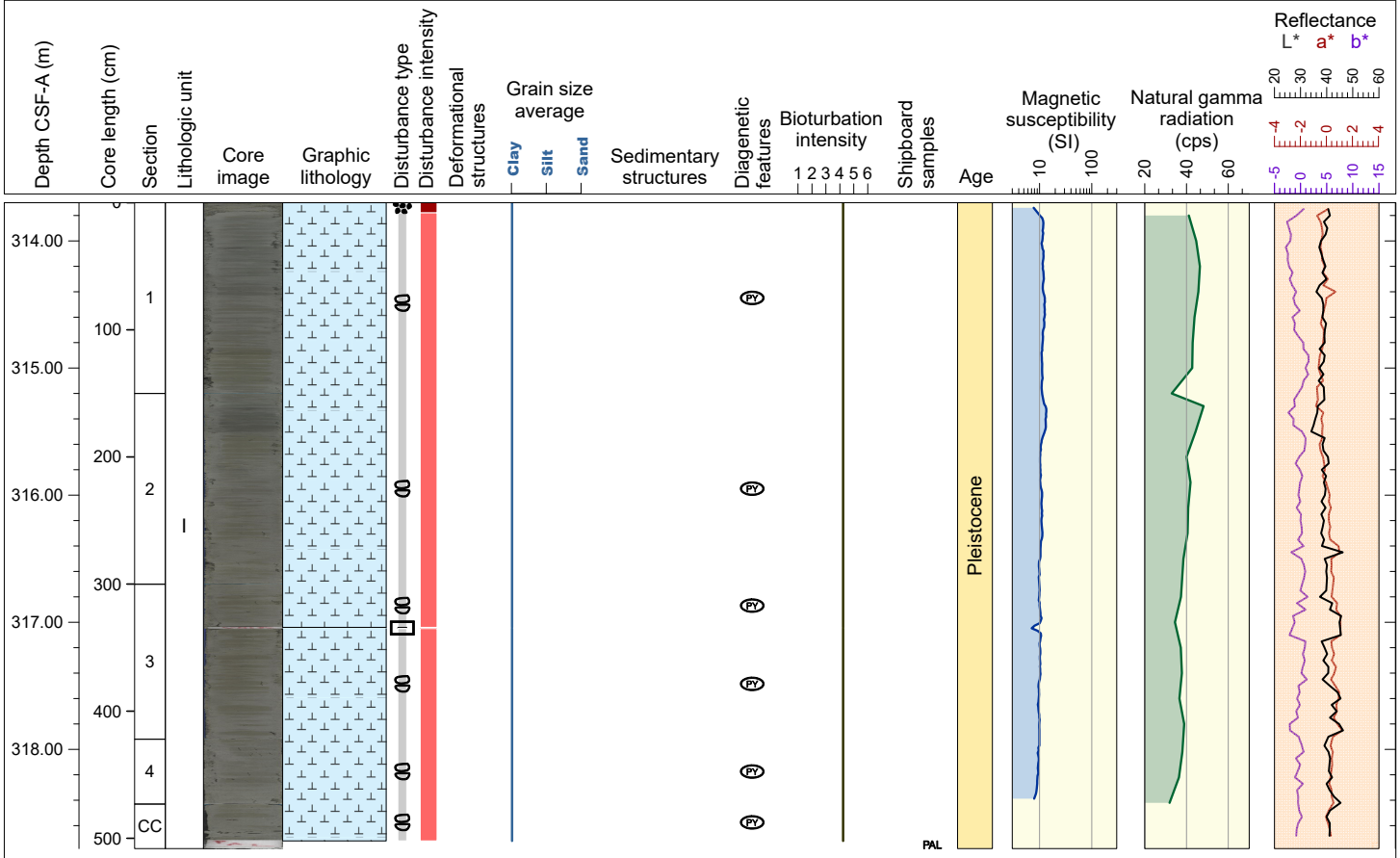
Hole 397-U1588C Core 46X, Interval 308.8-315.44 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides throughout. The uppermost 11 cm of Section 1 has strongly disturbed bedding, and the rest of the core is moderately to strongly disturbed by biscuiting.



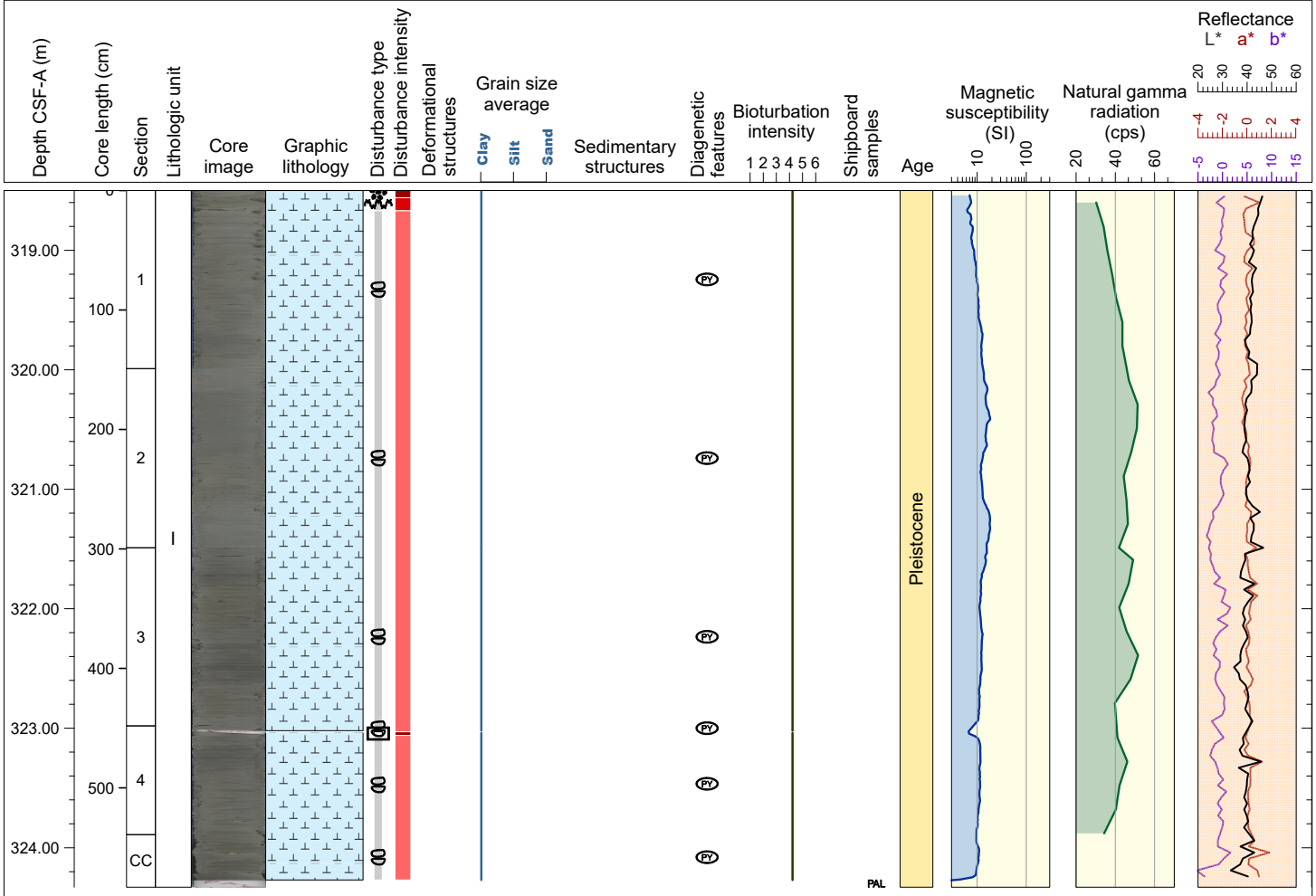
Hole 397-U1588C Core 47X, Interval 313.7-318.78 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides. The uppermost 8 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately to severely disturbed by biscuiting, with a void at 34-35 cm in Section 4.



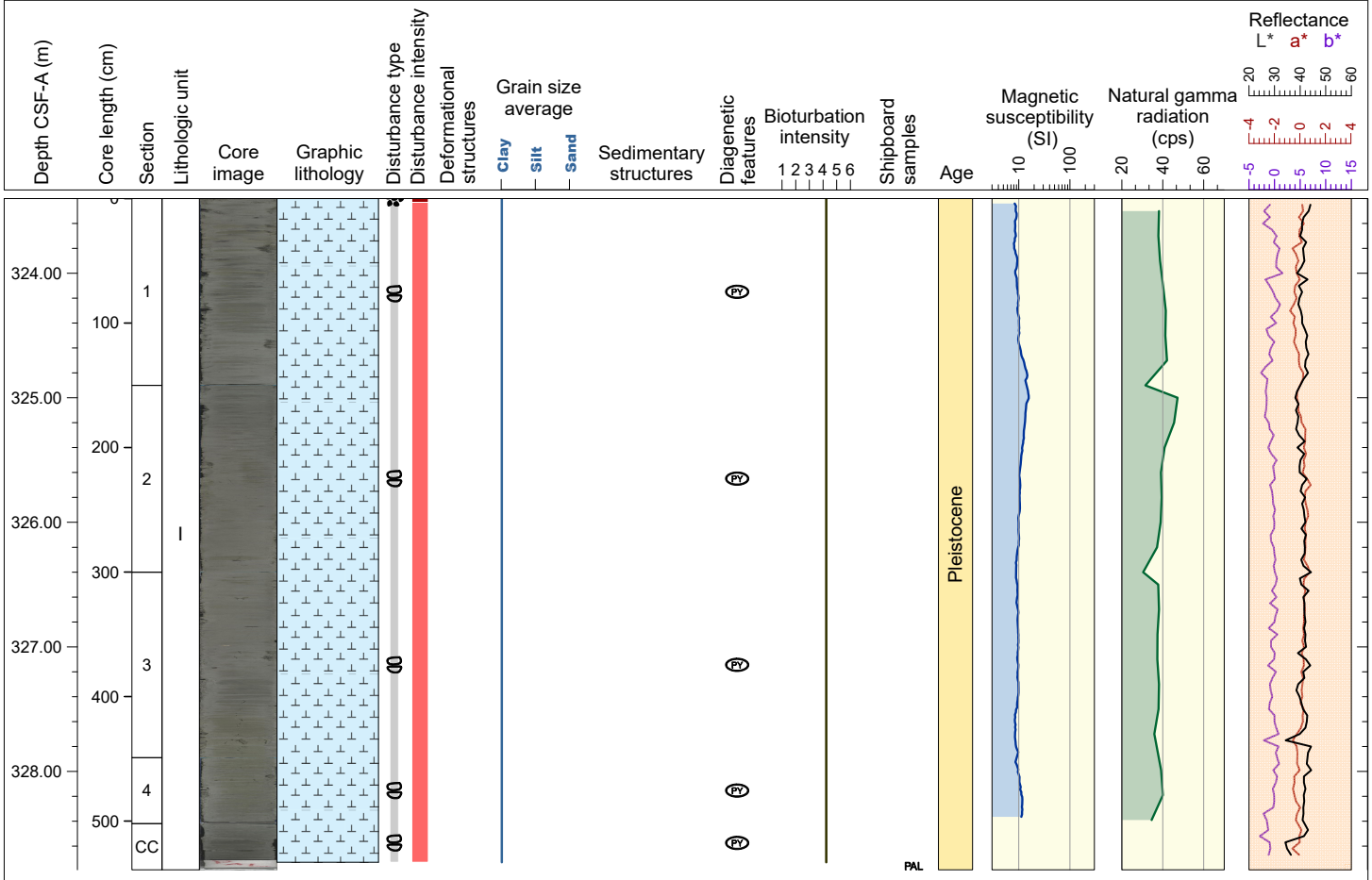
Hole 397-U1588C Core 48X, Interval 318.5-324.33 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides. A coral fragment occurs at 14-16 cm in the CC. The uppermost 6 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately to severely disturbed by biscuiting, with a void at 5-8 cm in Section 4.



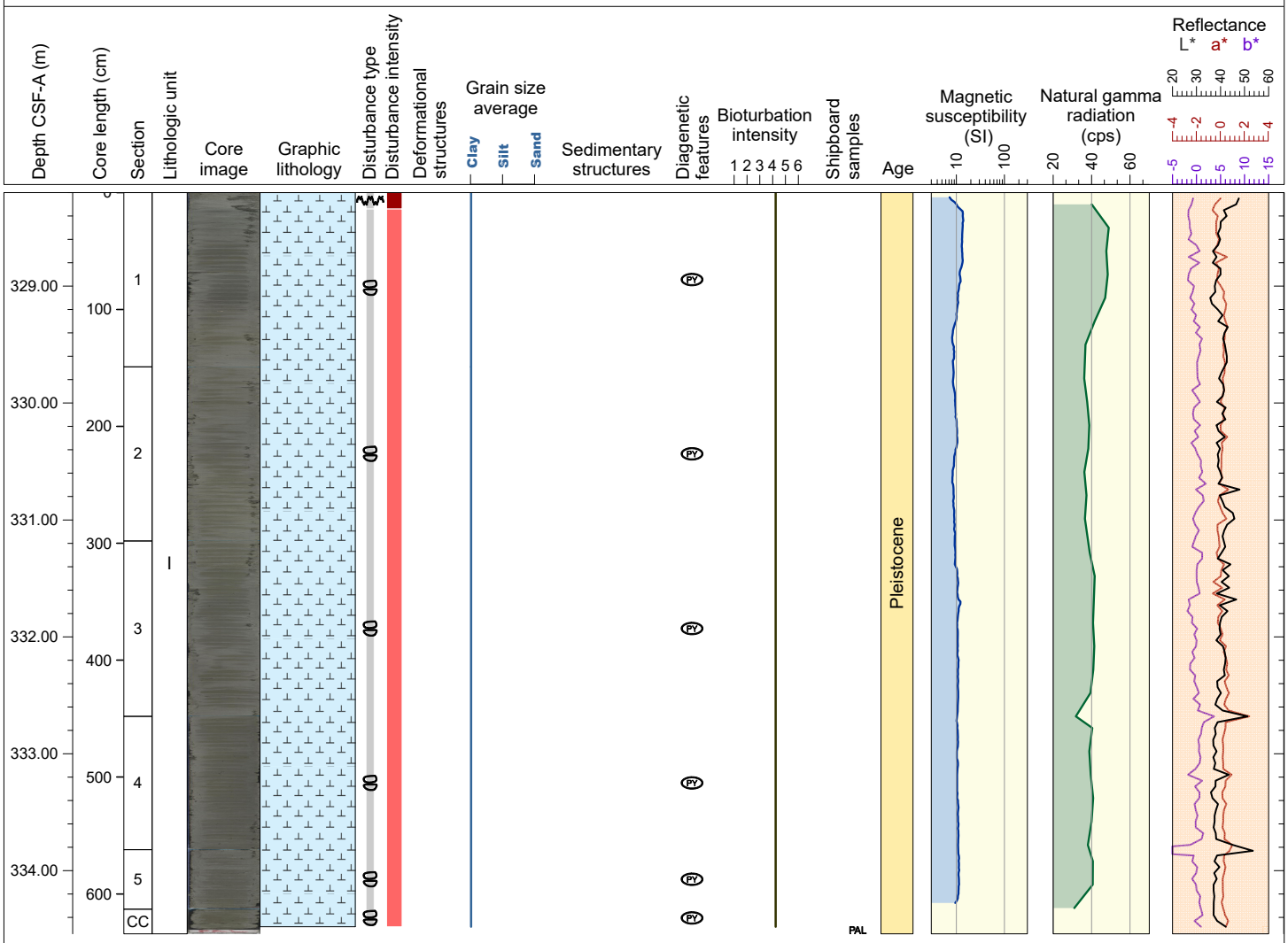
Hole 397-U1588C Core 49X, Interval 323.4-328.79 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides. The uppermost 3 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately to severely disturbed by biscuiting.



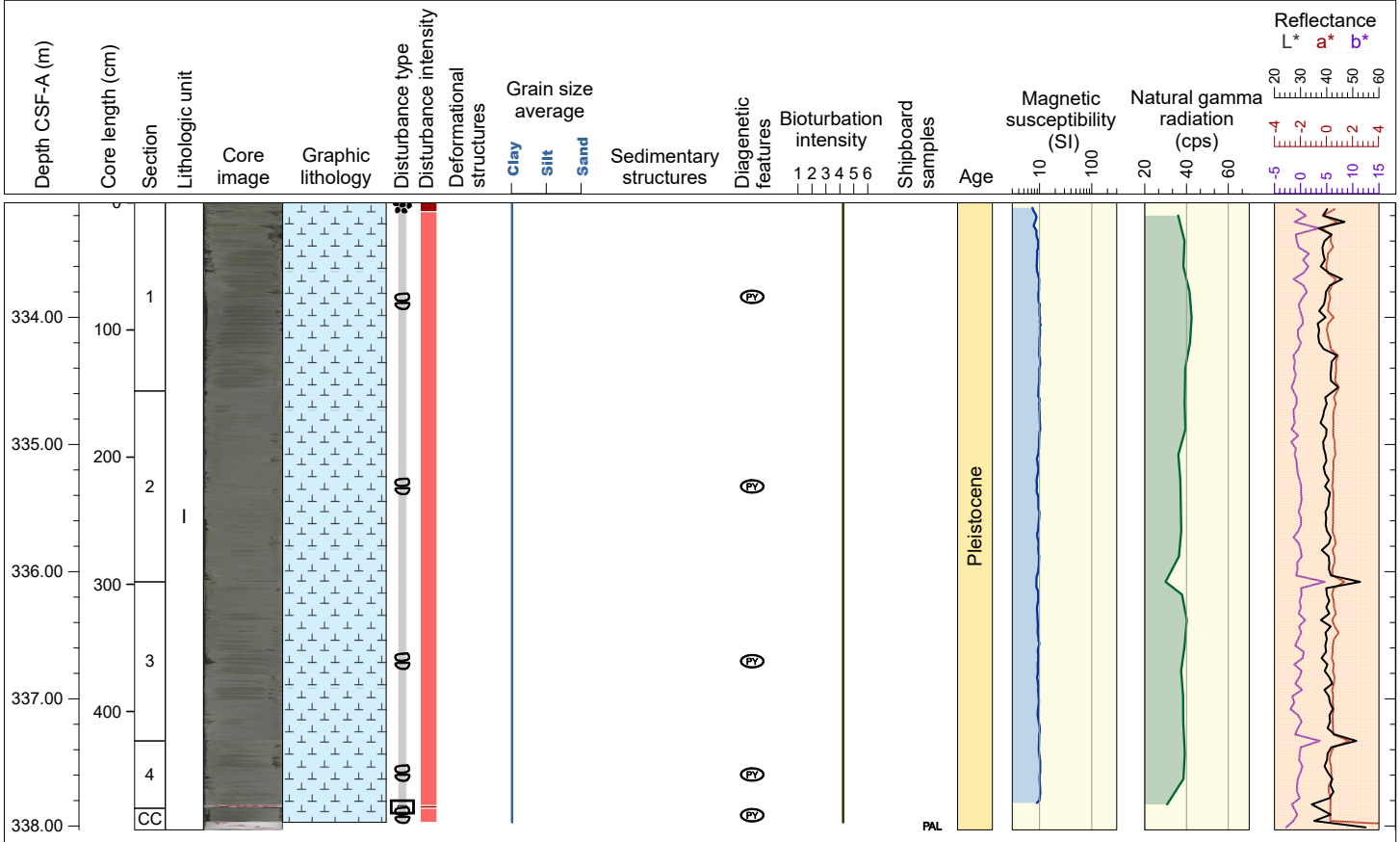
Hole 397-U1588C Core 50X, Interval 328.2-334.54 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites, Planolites and Thalassinoides. A shell fragment occurs in Section 1. The uppermost 14 cm of Section 1 has severely disturbed bedding, and the rest of the core is moderately disturbed by biscuiting.



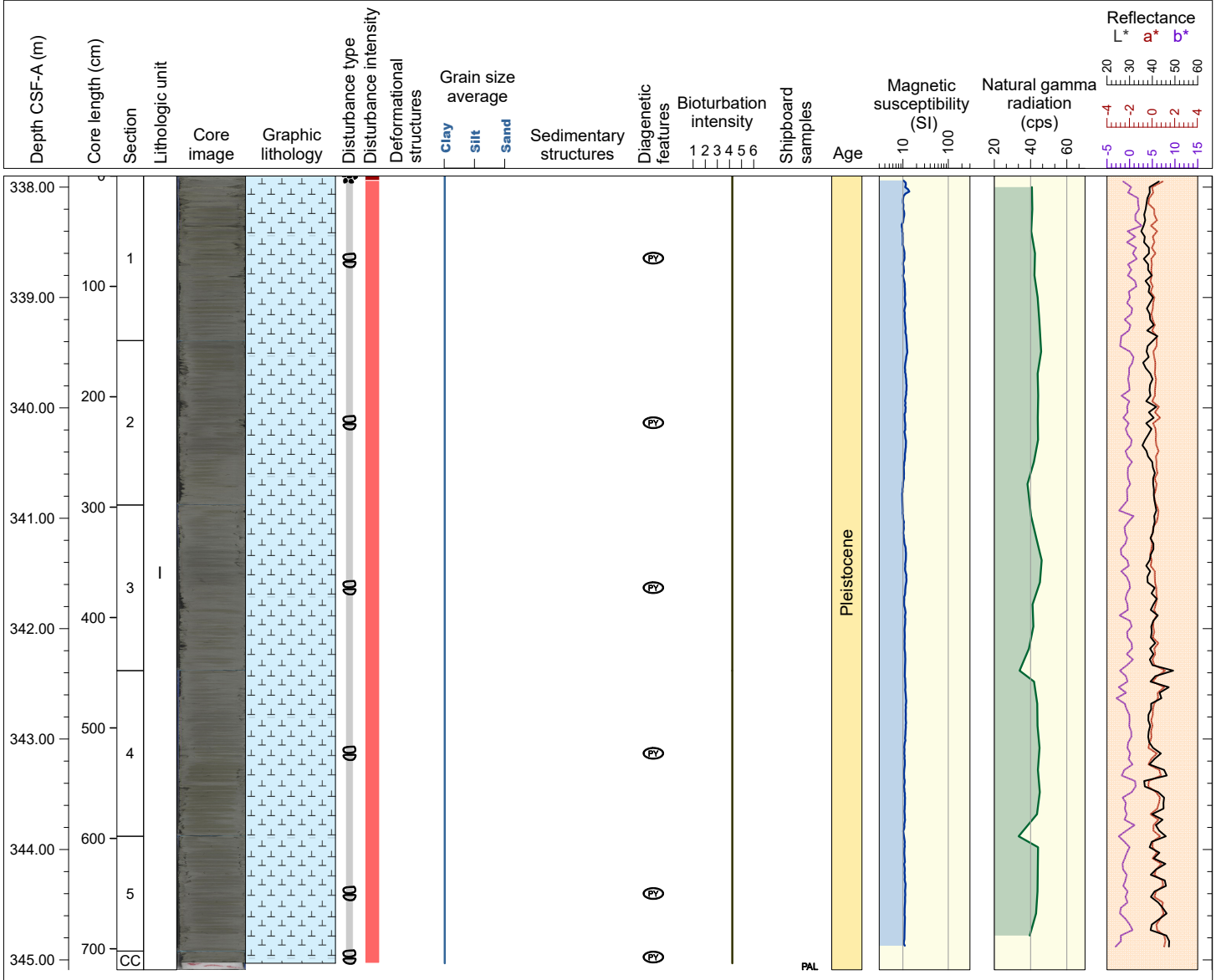
Hole 397-U1588C Core 51X, Interval 333.1-338.03 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is moderate throughout, with trace fossils observed, including Chondrites, Ophiomorpha, and Thalassinoides. The uppermost 7 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately to severely disturbed by biscuiting, with a void at 51-53 cm in Section 4.



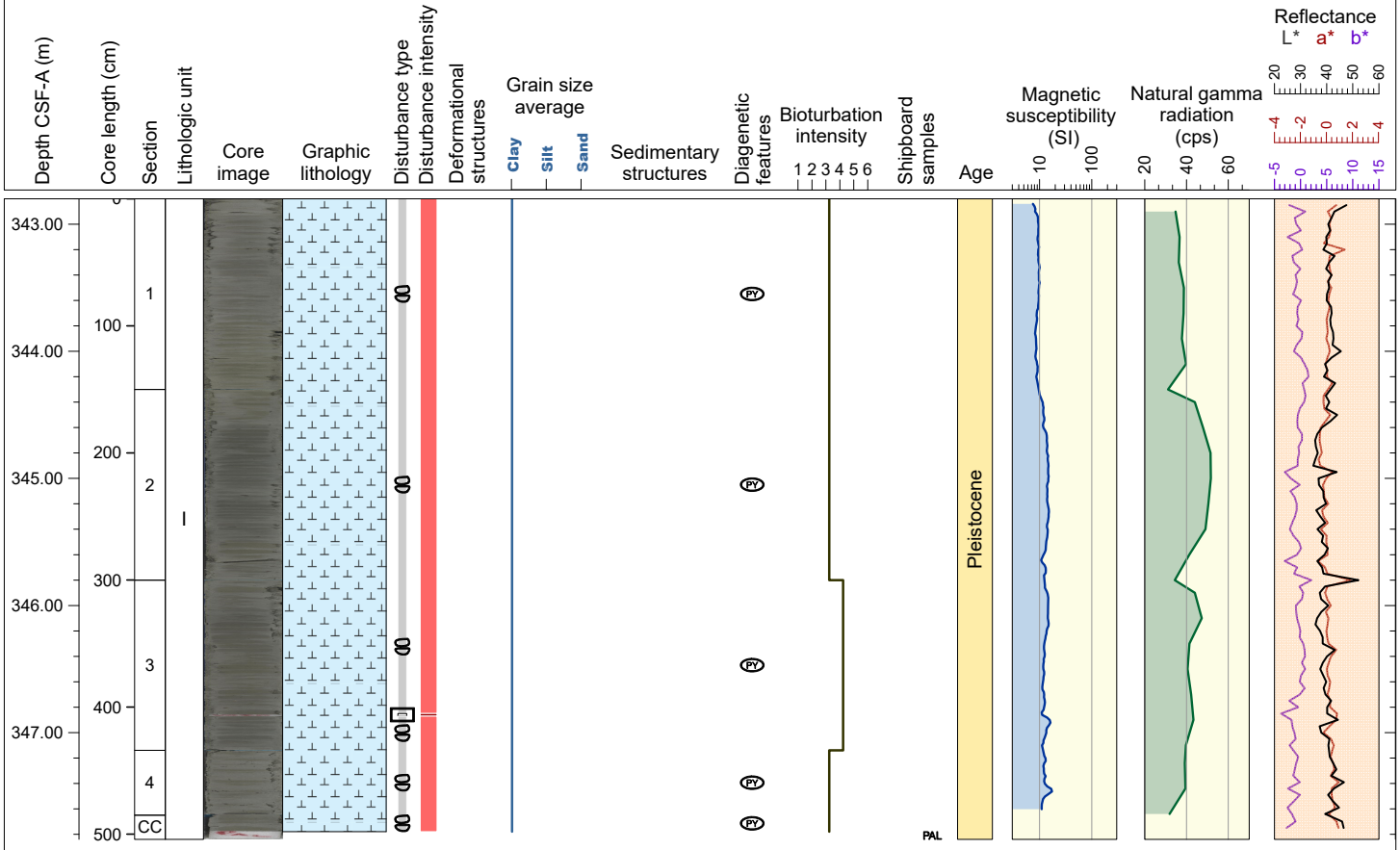
Hole 397-U1588C Core 52X, Interval 337.9-345.09 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites, Ophiomorpha, and Thalassinoides. The uppermost 4 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately to severely disturbed by biscuiting.



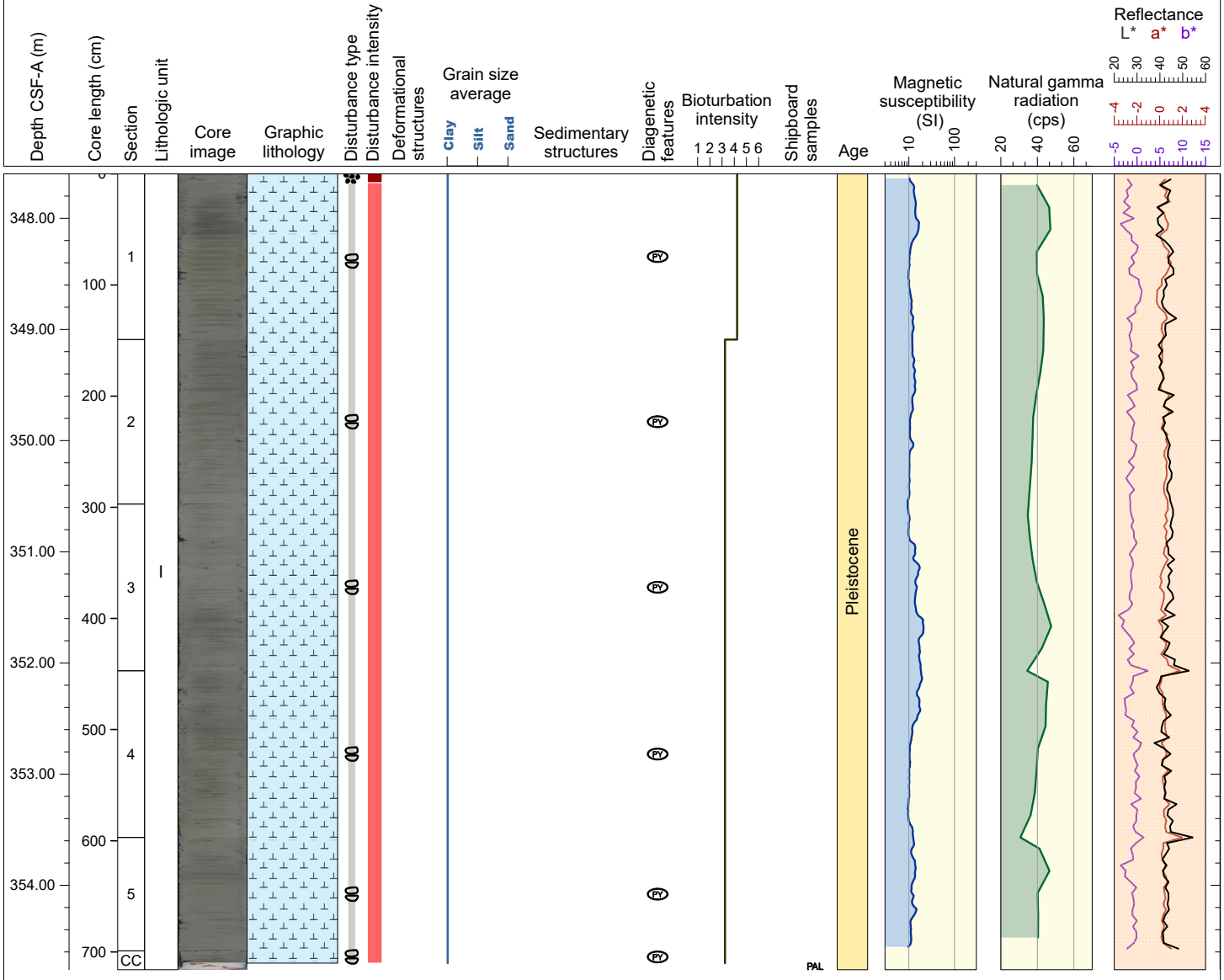
Hole 397-U1588C Core 53X, Interval 342.8-347.84 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites, Ophiomorpha, and Thalassinoides. The core is moderately to severely disturbed by biscuiting, with a void at 105-107 cm in Section 3.t



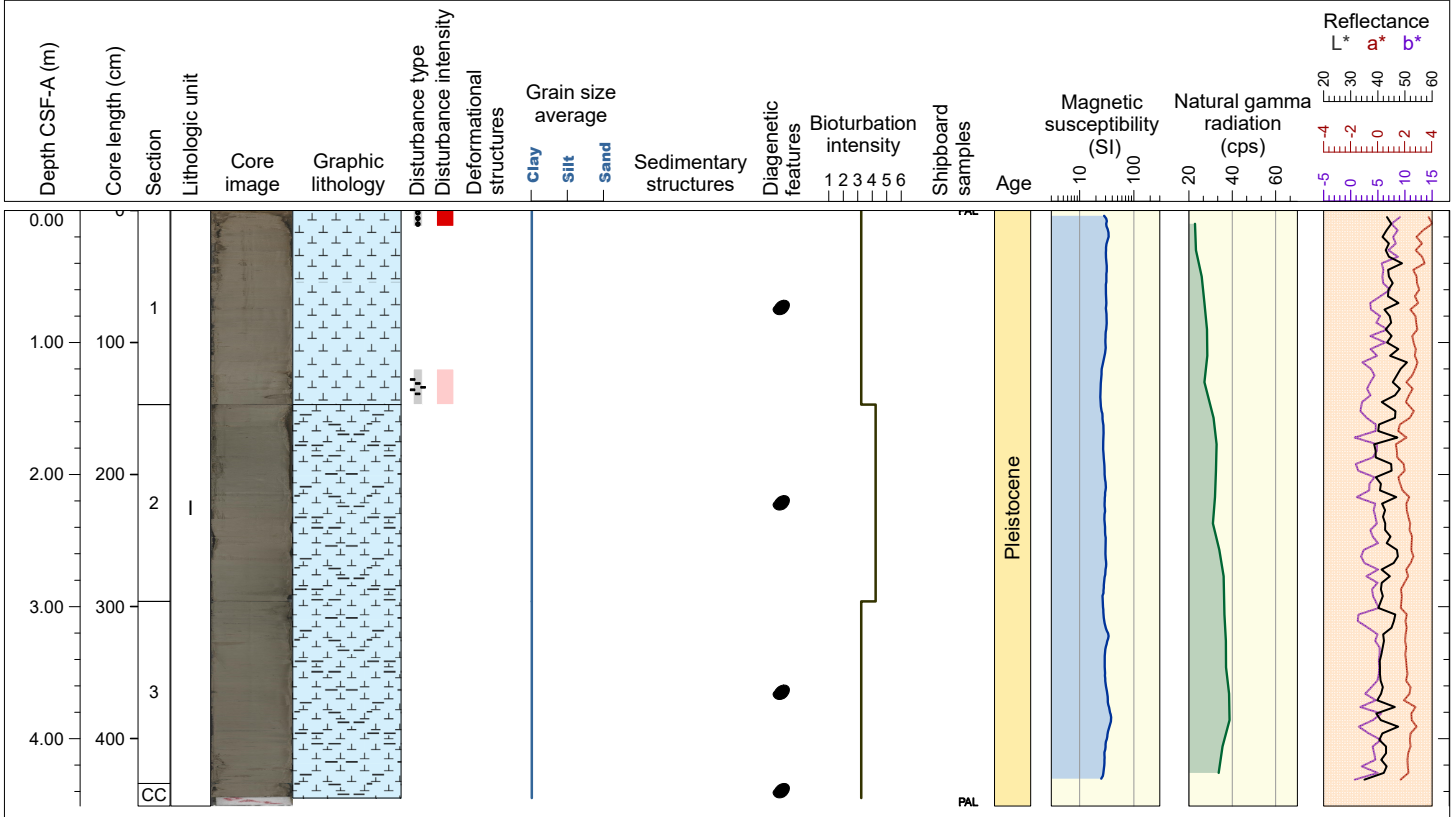
Hole 397-U1588C Core 54X, Interval 347.6-354.76 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and small shell fragments are disseminated in each section. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate throughout, with trace fossils observed, including Chondrites, Ophiomorpha, and Thalassinoides. Macrofossil shell fragments occur at 62 cm in Sections 4. The uppermost 4 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



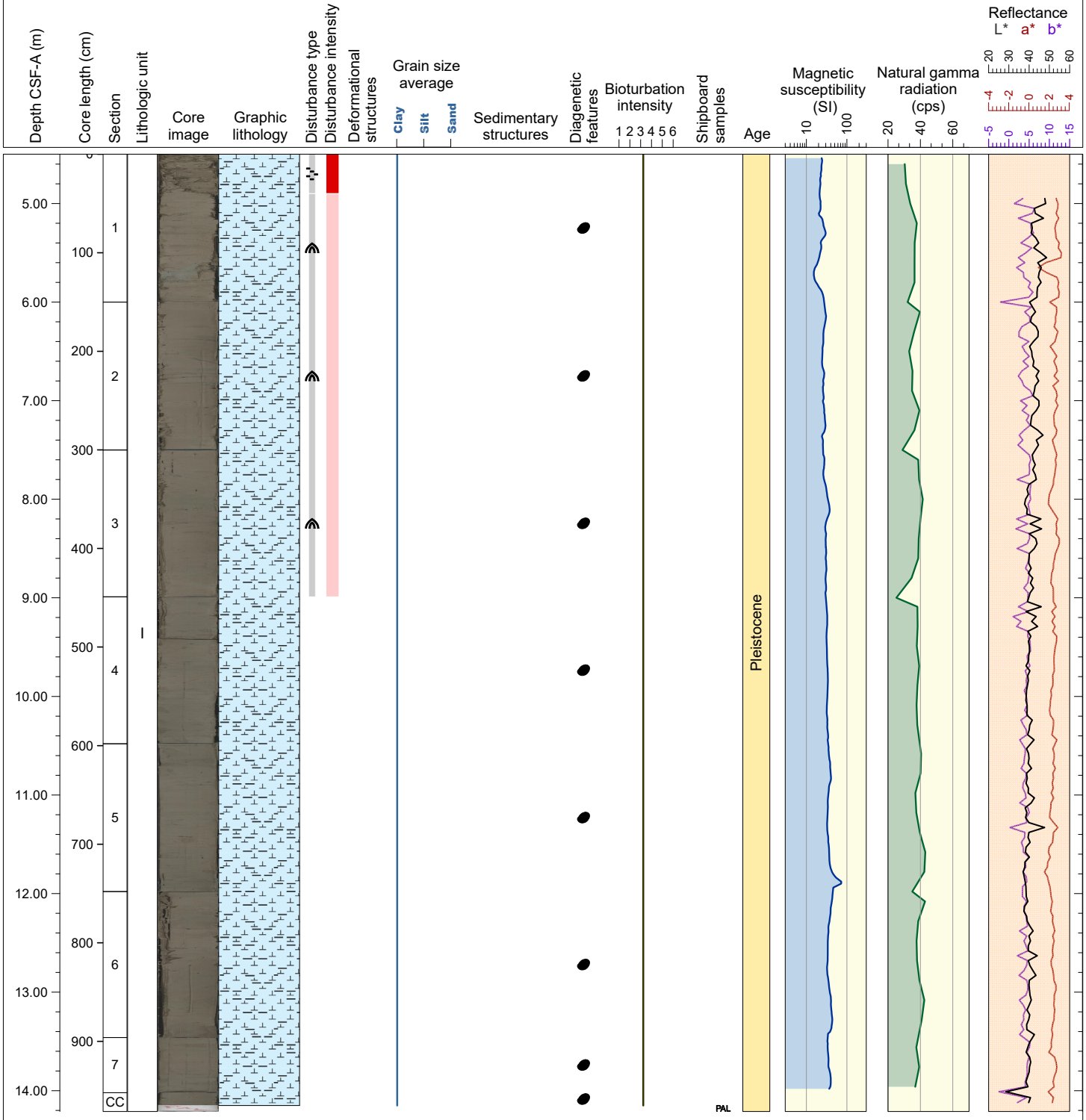
Hole 397-U1588D Core 1H, Interval 0.0-4.51 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CLAY and CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Small black patches occur throughout the core. Bioturbation is slight to moderate, and trace fossils, including Chondrites, Thalassinoides, and Zoophycos, were observed. A soupy interval occurs in the uppermost 0-12 cm of Section 1, and slurry caused by drilling disturbance occurs at 120-147 cm in Section 1.



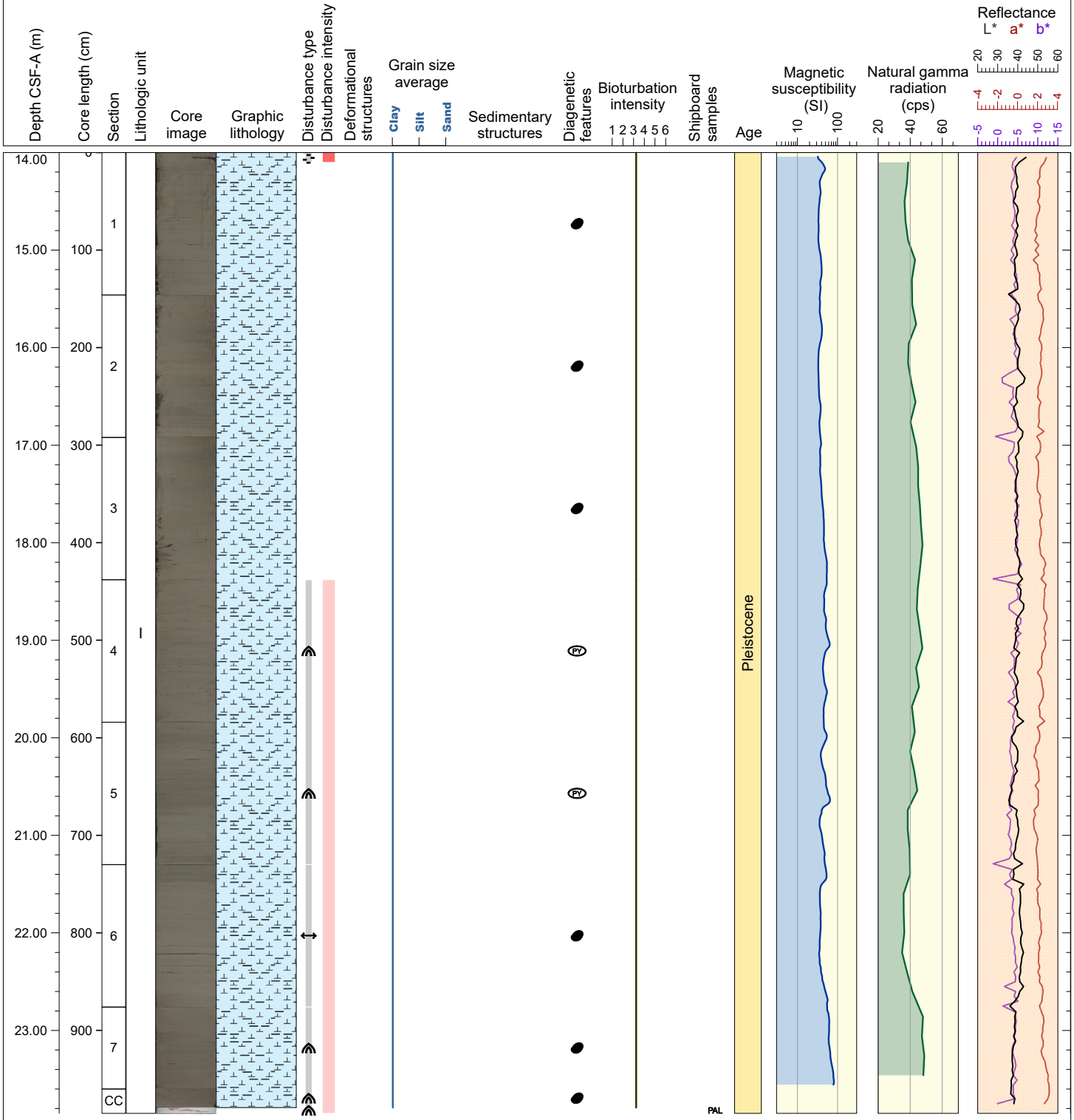
Hole 397-U1588D Core 2H, Interval 4.5-14.21 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Small black patches occur throughout the core. Bioturbation is slight, and the trace fossil Thalassinoides occurs throughout the core. A strongly disturbed soupy interval occurs in the uppermost 0-40 cm of Section 1, and slightly disturbed up-arching occurs in Section 1, 2 and 3.



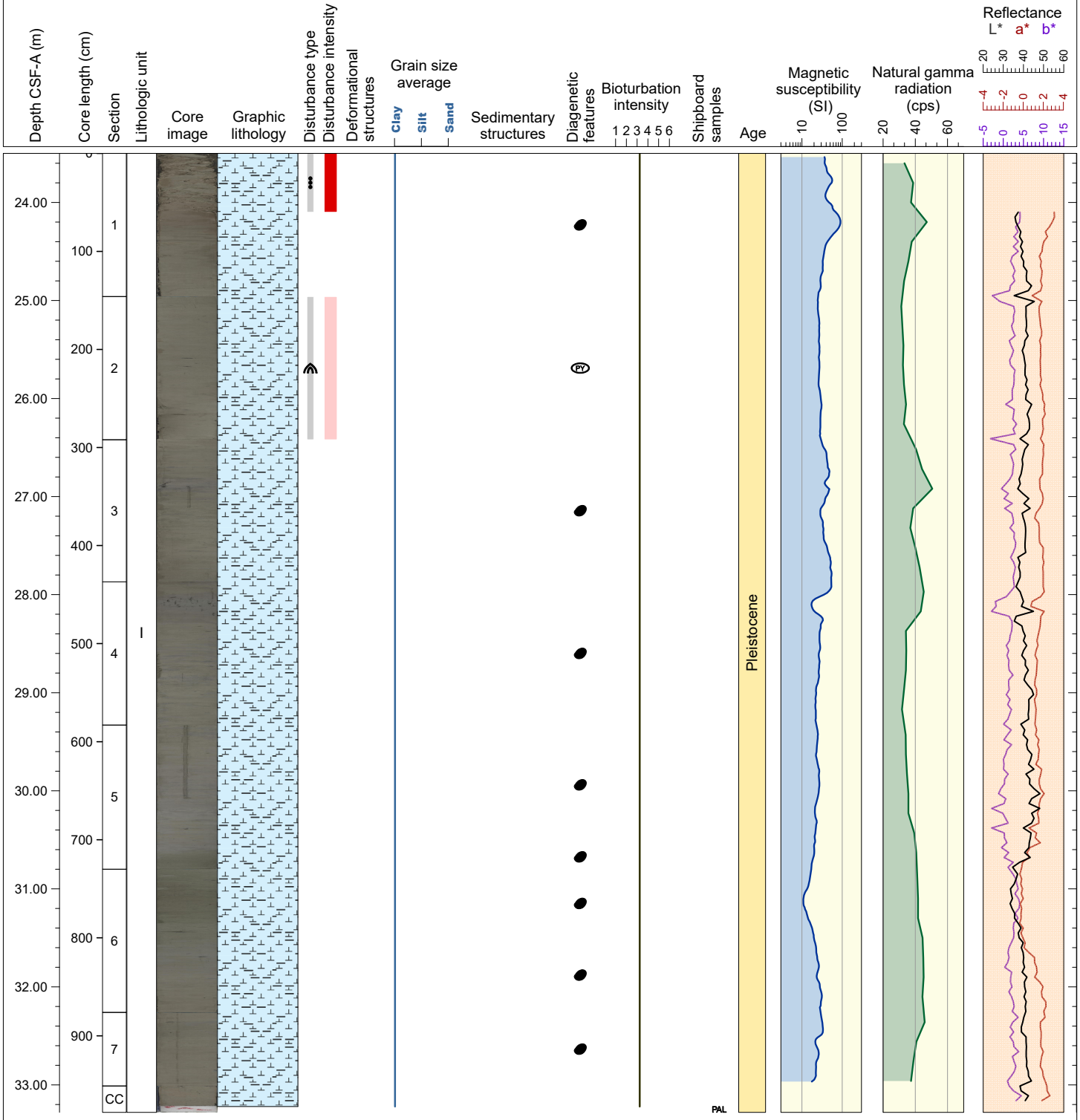
Hole 397-U1588D Core 3H, Interval 14.0-23.85 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Small black patches occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Thalassinoides, Zoophycos, and Thalassinoides occurs in sections 1-6, and Chondrites and Planolites in Section7 and CC. A strongly disturbed soupy interval occurs in the uppermost 0-10 cm of Section 1, and slightly disturbed up-arching occurs in Sections 4, 5, 7 and CC, and slight gas expansion is seen in Section 6.



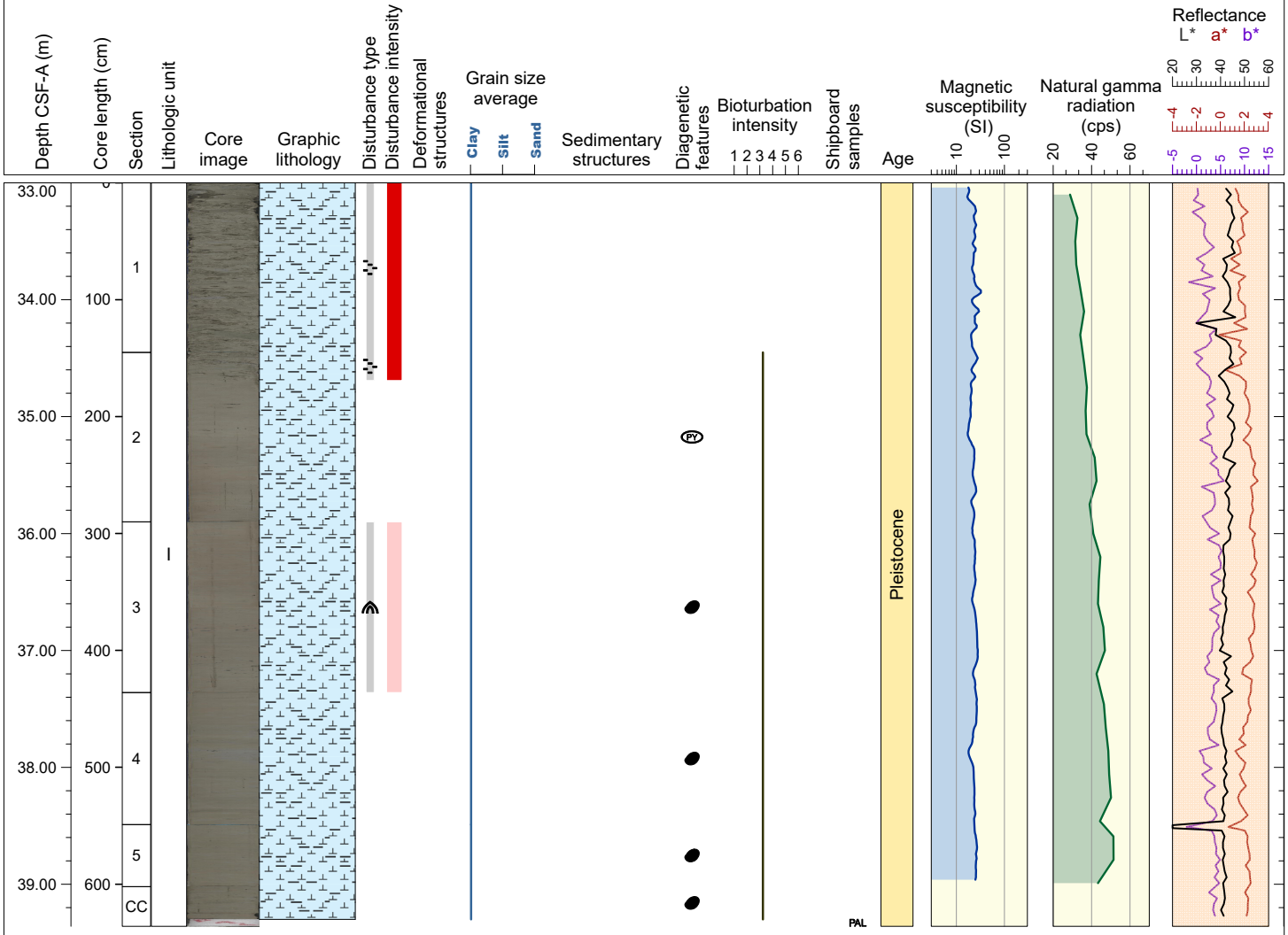
Hole 397-U1588D Core 4H, Interval 23.5-33.28 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Small black patches (pyrite) occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Thalassinoides, Zoophycos, and Thalassinoides are seen the core. A strongly disturbed soupy interval occurs in the uppermost 0-60 cm of Section 1, and slightly disturbed up-arching occurs in Section 2.



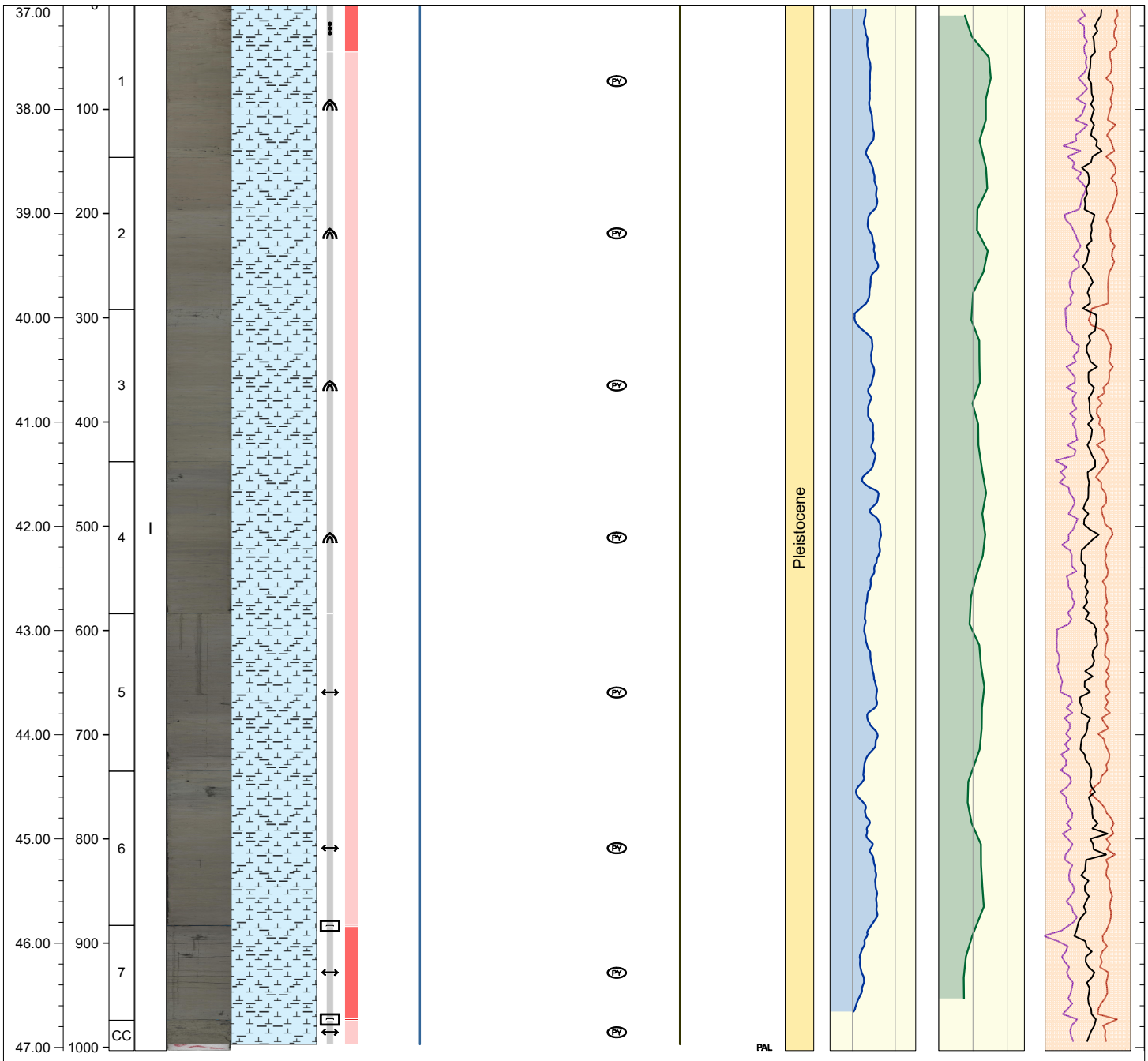
Hole 397-U1588D Core 5H, Interval 33.0-39.36 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Rare shell fragments are seen throughout. Small black patches occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Thalassinoides, Zoophycos, and Thalassinoides are seem throughout. Strongly disturbed slurry intervals occur in Section 1 and 0-24 cm of Section 2, and slightly disturbed up-arching occurs in Section 3.



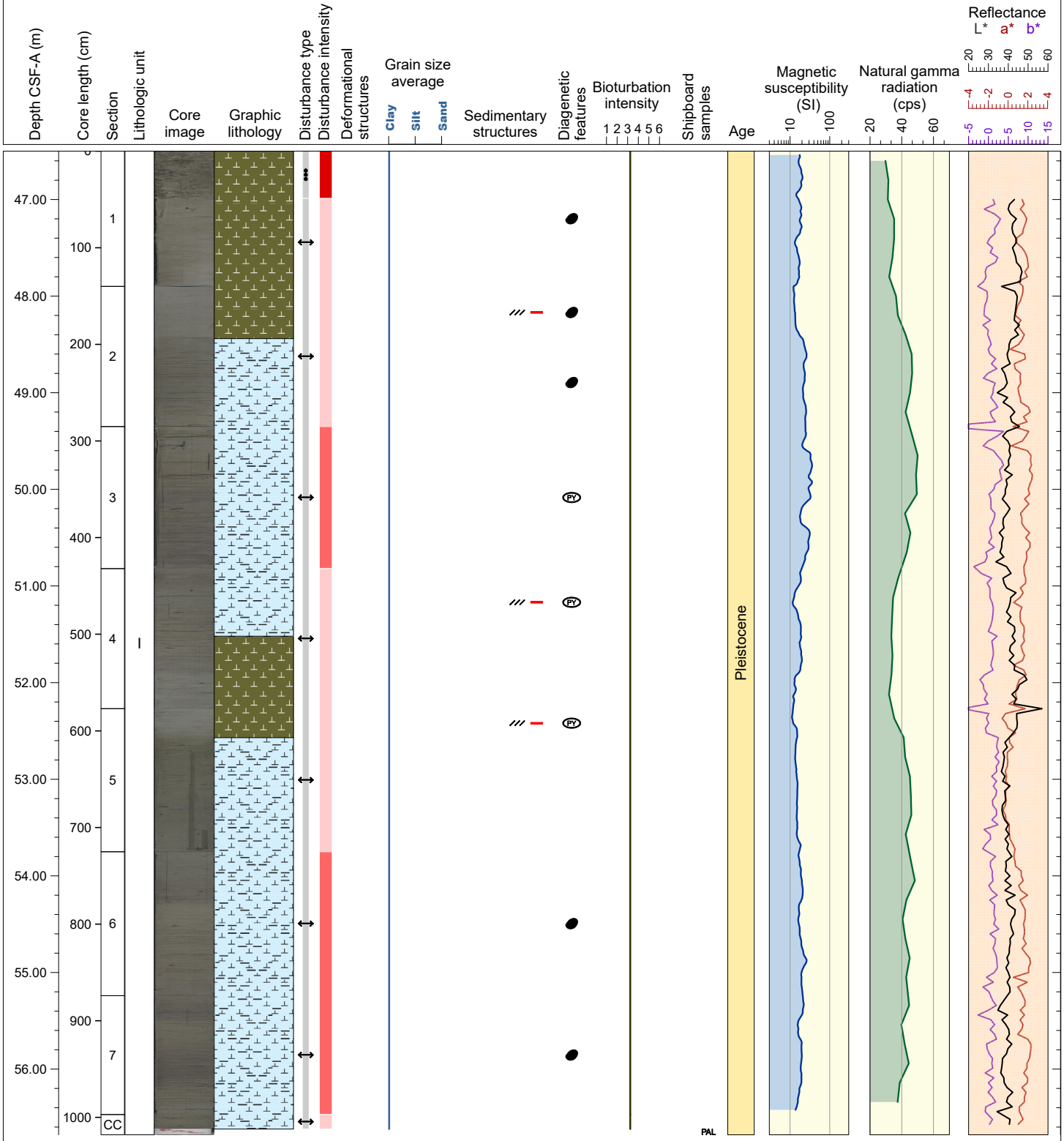
Hole 397-U1588D Core 6H, Interval 37.0-47.03 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE. Forams are seen throughout. Pyrite and dark patches occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Thalassinoides, Zoophycos, and Thalassinoides are seem in the core. A strongly disturbed soupy interval occurs in 0-45 cm of Section 1, and Section 1-4 are slightly disturbed by up-arching, and Sections 5-CC are slightly disturbed by gas expansion.



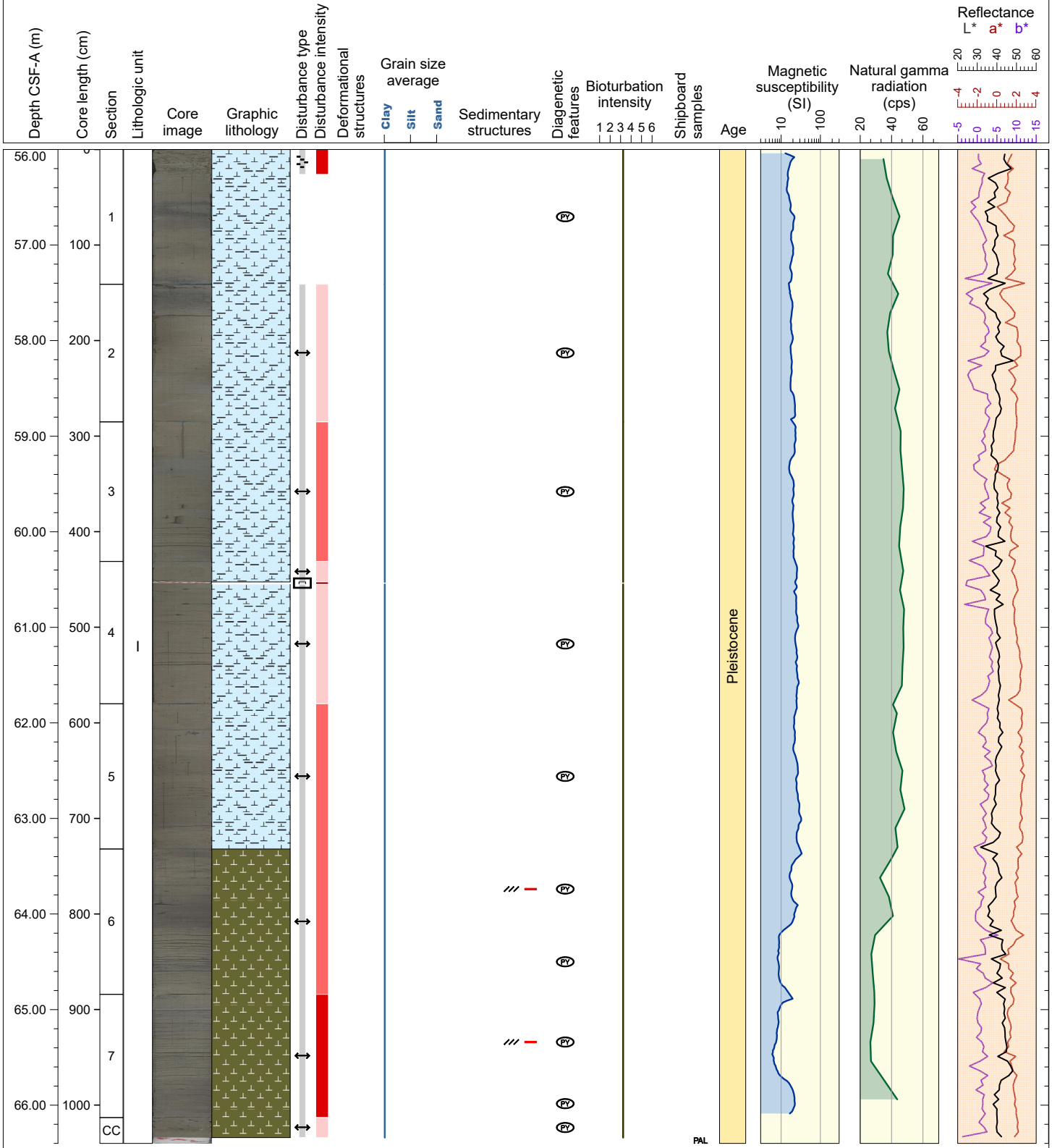
Hole 397-U1588D Core 7H, Interval 46.5-56.68 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE and CARBOANTE NANNOFOSSIL OOZE. Forams are seen in Sections 1, 3, and 4. Pyrite and greenish/brown patches occur in the core. Bioturbation is slight, and trace fossils including Chondrites, Thalassinoides, Zoophycos, and Thalassinoides are seem in the core. Strongly disturbed soupy interval occurs in 0-49 cm of Section 1, and other sections are slightly-moderately disturbed by gas expansion.



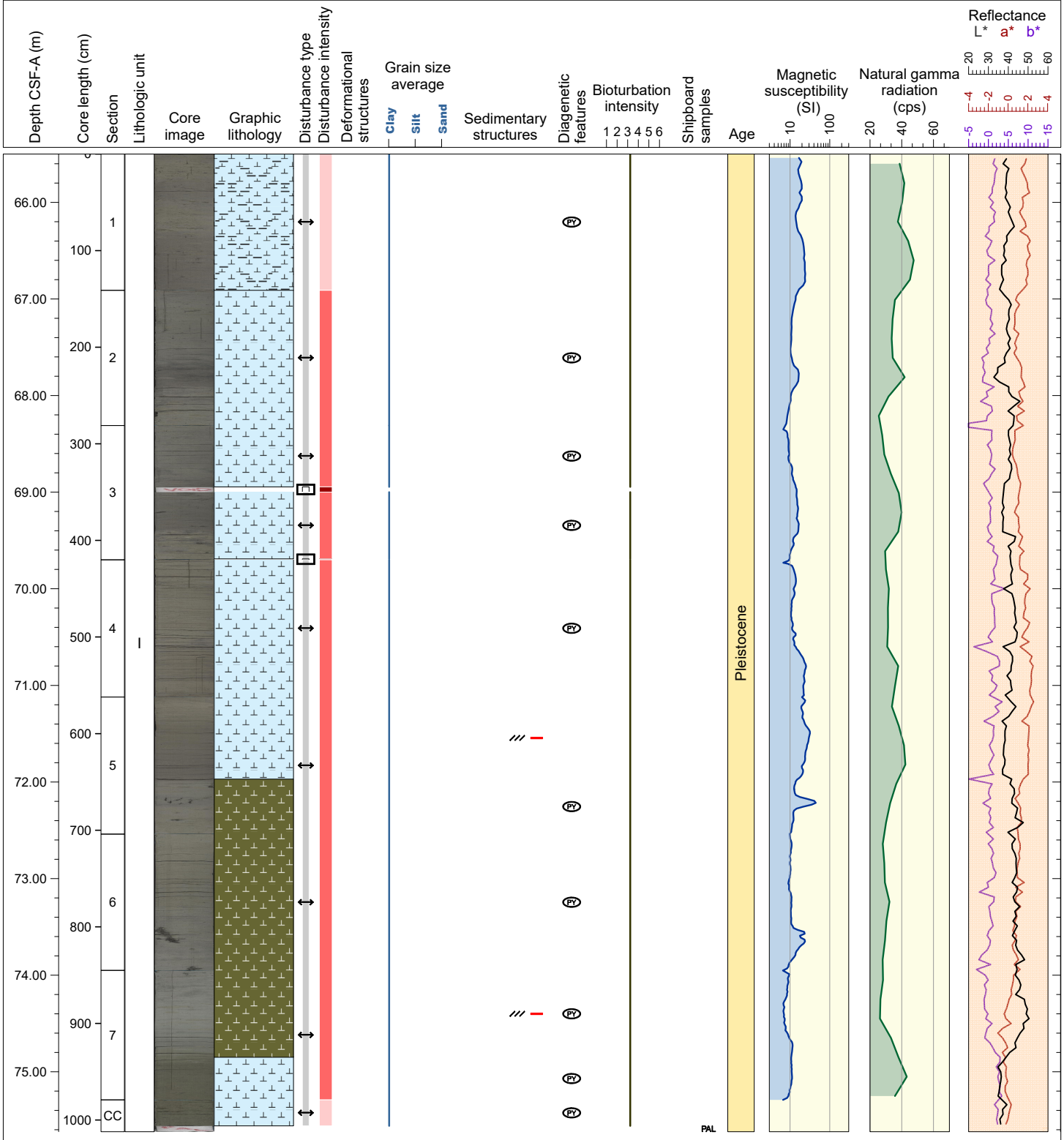
Hole 397-U1588D Core 8H, Interval 56.0-66.4 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE, carbonate nannofossil ooze, and carbonate nannofossil ooze with clay. Foram shells are seen throughout. Pyrite and dark patches occur in the core. Bioturbation is slight, and trace fossils including Chondrites, Zoophycos, and Thalassinoides are seem throughout. A strongly disturbed slurry intervals occur in 0-26 cm of Section 1 and other cores are slightly- moderately disturbed by gas expansion.



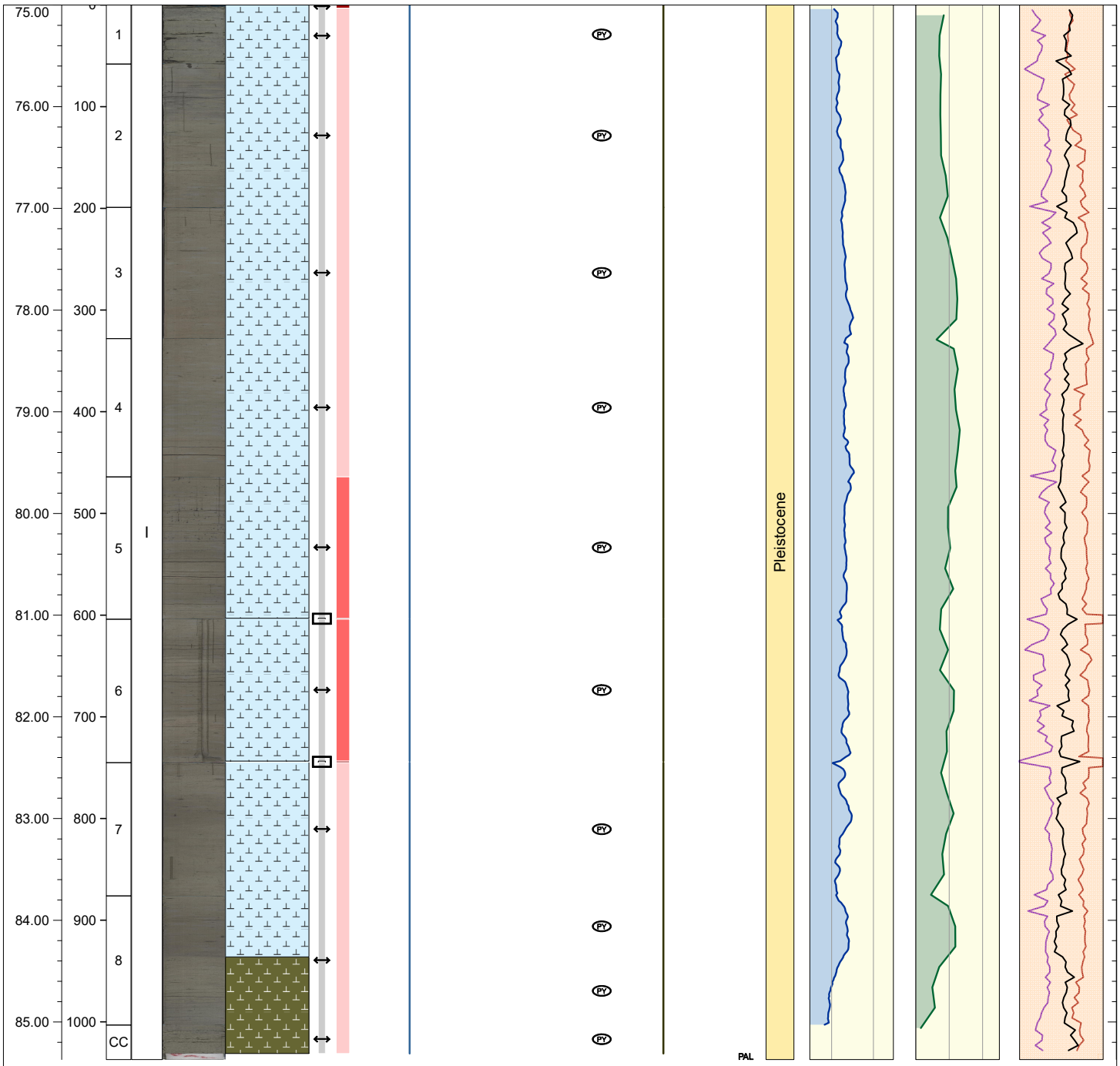
Hole 397-U1588D Core 9H, Interval 65.5-75.62 m (CSF-A)

This core is dominated by CLAYEY NANNOFOSSIL OOZE WITH CARBONATE, NANNOFOSSIL OOZE WITH CARBONATE AND CLAY, and CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foram are seen throughout. Pyrite and dark patches occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seem throughout. The core is slightly-to-moderately disturbed by gas expansion.



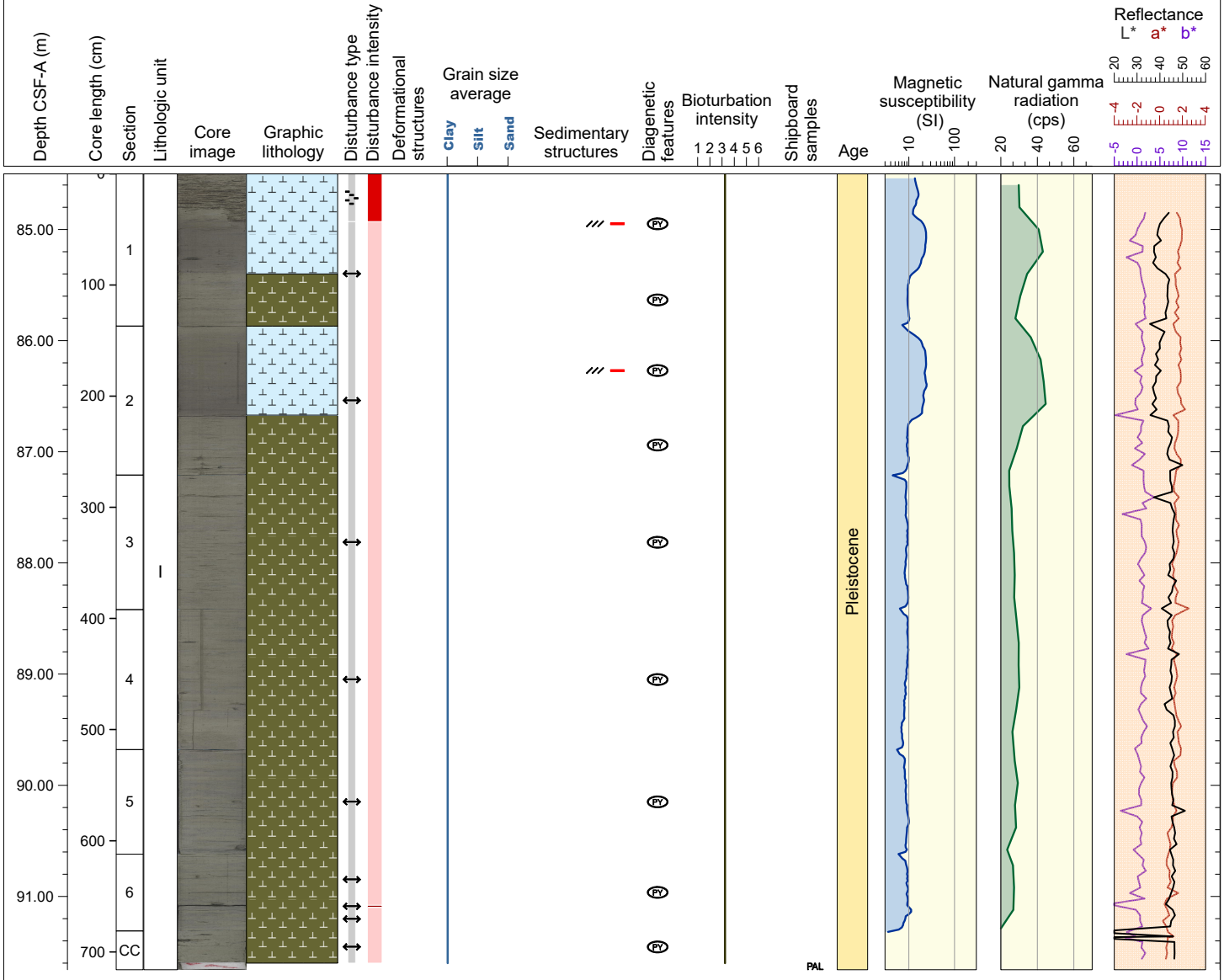
Hole 397-U1588D Core 10H, Interval 75.0-85.37 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY and CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foram shells are seen throughout. Pyrite occurs throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seem throughout. The section is slightly disturbed by gas expansion.



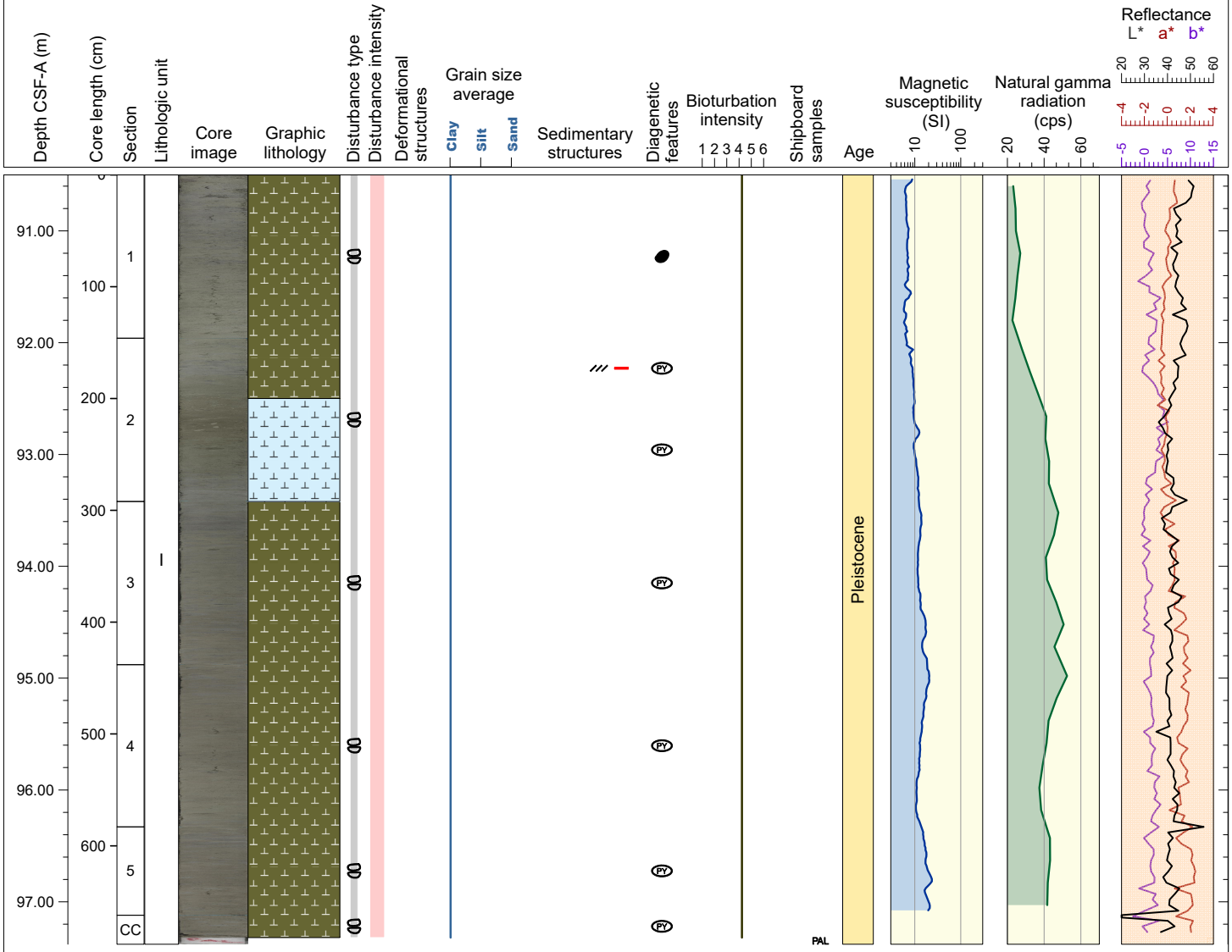
Hole 397-U1588D Core 11H, Interval 84.5-91.66 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY and CARBONATE NANNOFOSSIL OOZE. Foram shells are seen throughout. Pyrite occurs throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seem throughout. The 0-43 cm of Section1 is strongly disturbed by slurry, and the rest of the core is slightly disturbed by gas expansion.



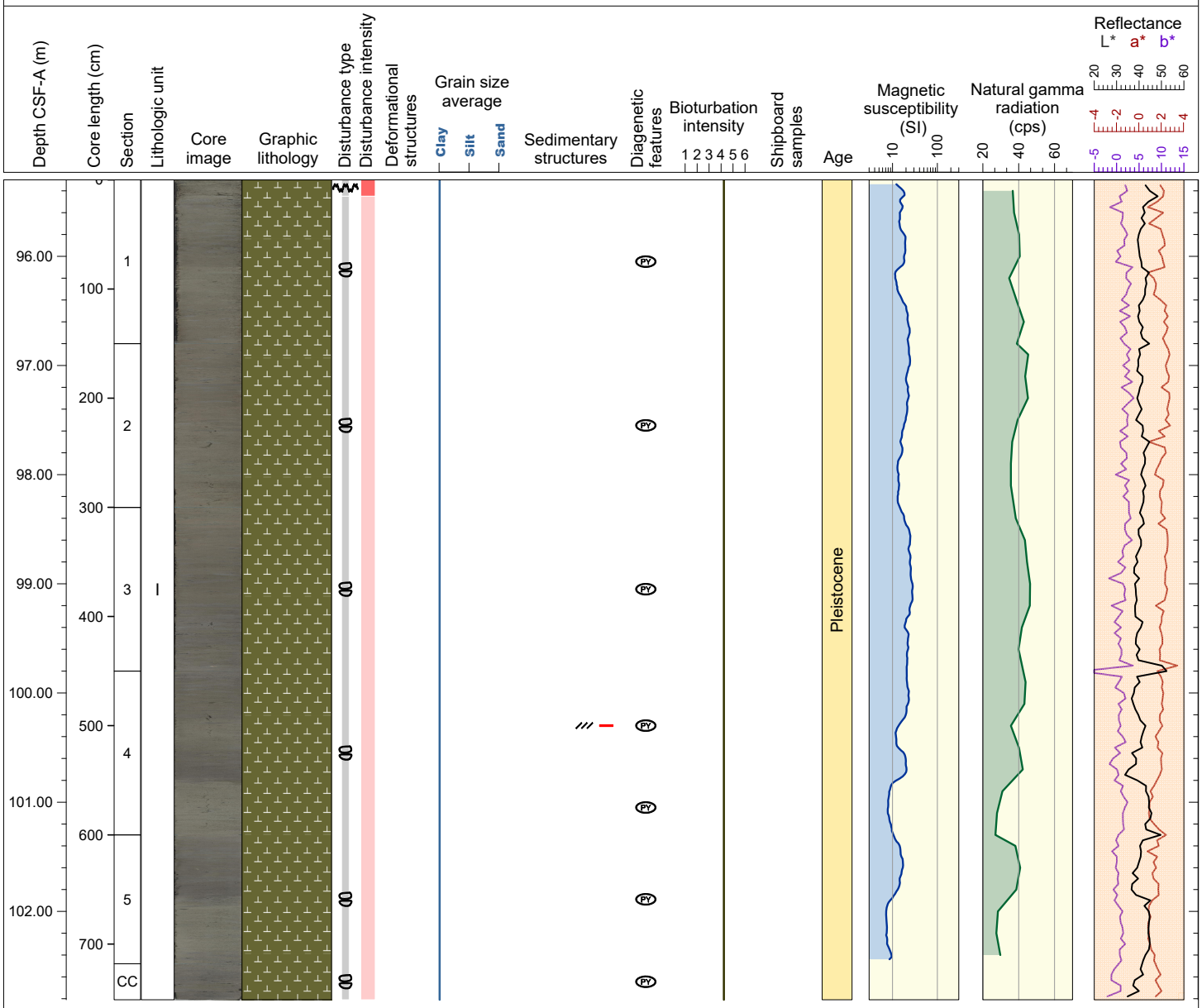
Hole 397-U1588D Core 12X, Interval 90.5-97.38 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE, NANNOFOSSIL OOZE WITH CARBONATE AND CLAY, and CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera shells are seen throughout. Pyrite and dark patches occur throughout the core. Bioturbation is moderate, and trace fossils including Chondrites, Zoophycos, and Thalassinoides are seem throughout. The core is slightly disturbed by biscuiting.



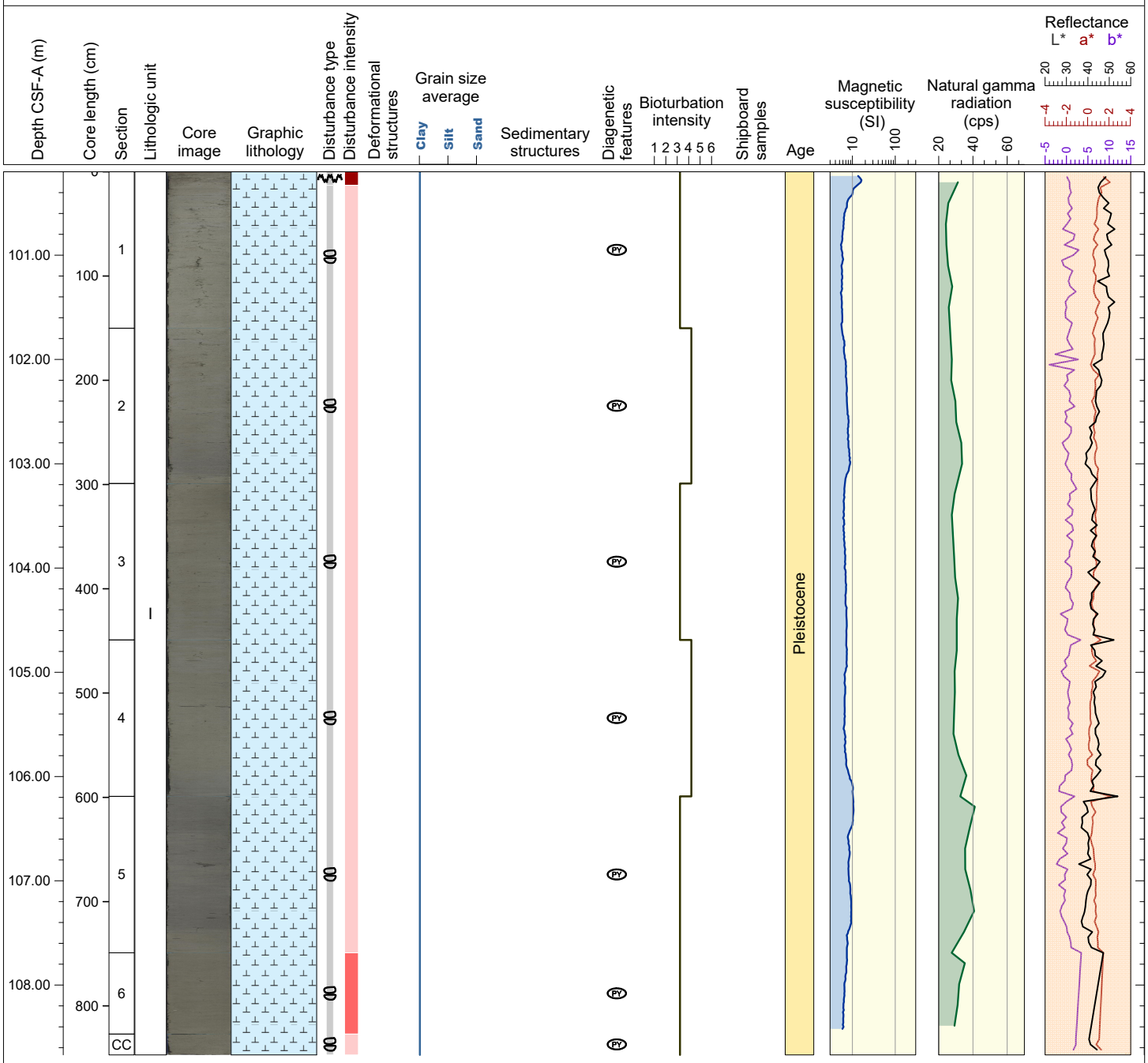
Hole 397-U1588D Core 13X, Interval 95.3-102.81 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY, and CARBONATE NANNOFOSSIL OOZE. Foraminifera shells are seen throughout. Pyrite and black patches occur in the core. Bioturbation is moderate, and trace fossils including Chondrites, Zoophycos, and Thalassinoides are seem throughout. Section 1, 0-15 cm contains moderately disturbed bedding, and the rest core is slightly disturbed by biscuiting.



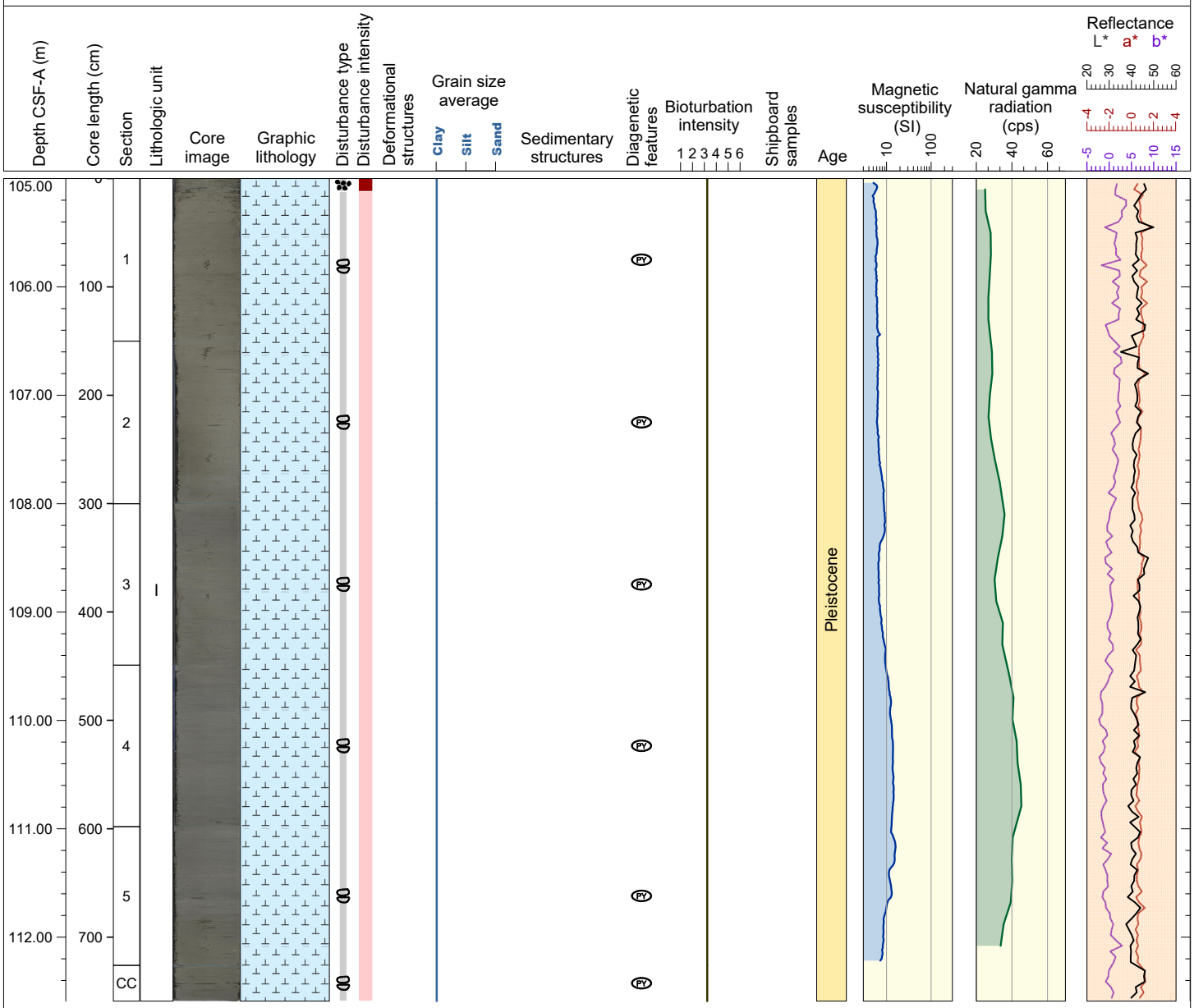
Hole 397-U1588D Core 14X, Interval 100.2-108.67 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites and Thalassinoides are seen throughout. Severely disturbed bedding occurs at 10-13 cm in Section 1, and the rest of the core is slightly to moderately disturbed by biscuiting.



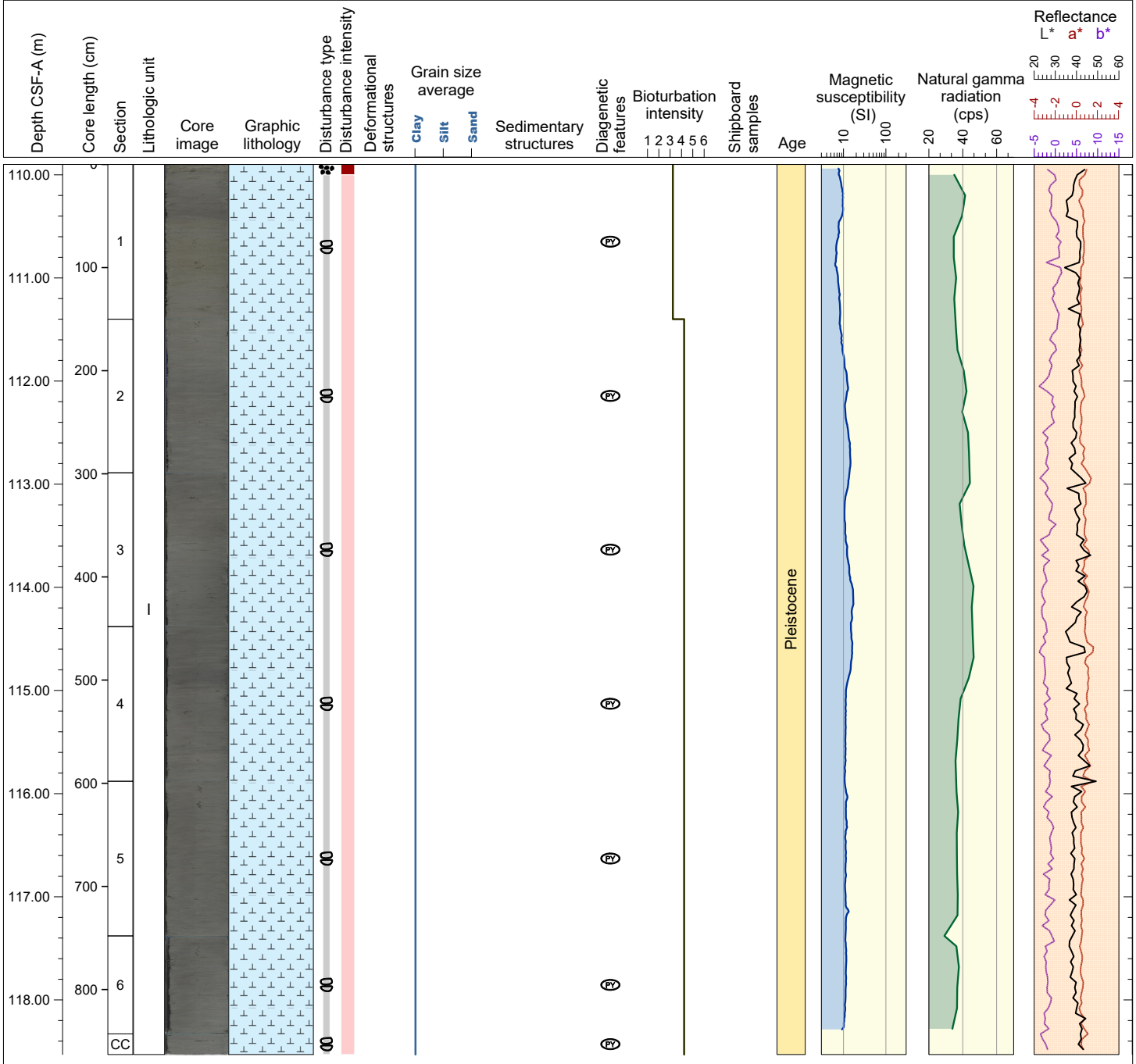
Hole 397-U1588D Core 15X, Interval 105.0-112.59 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seem throughout. The uppermost 12 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



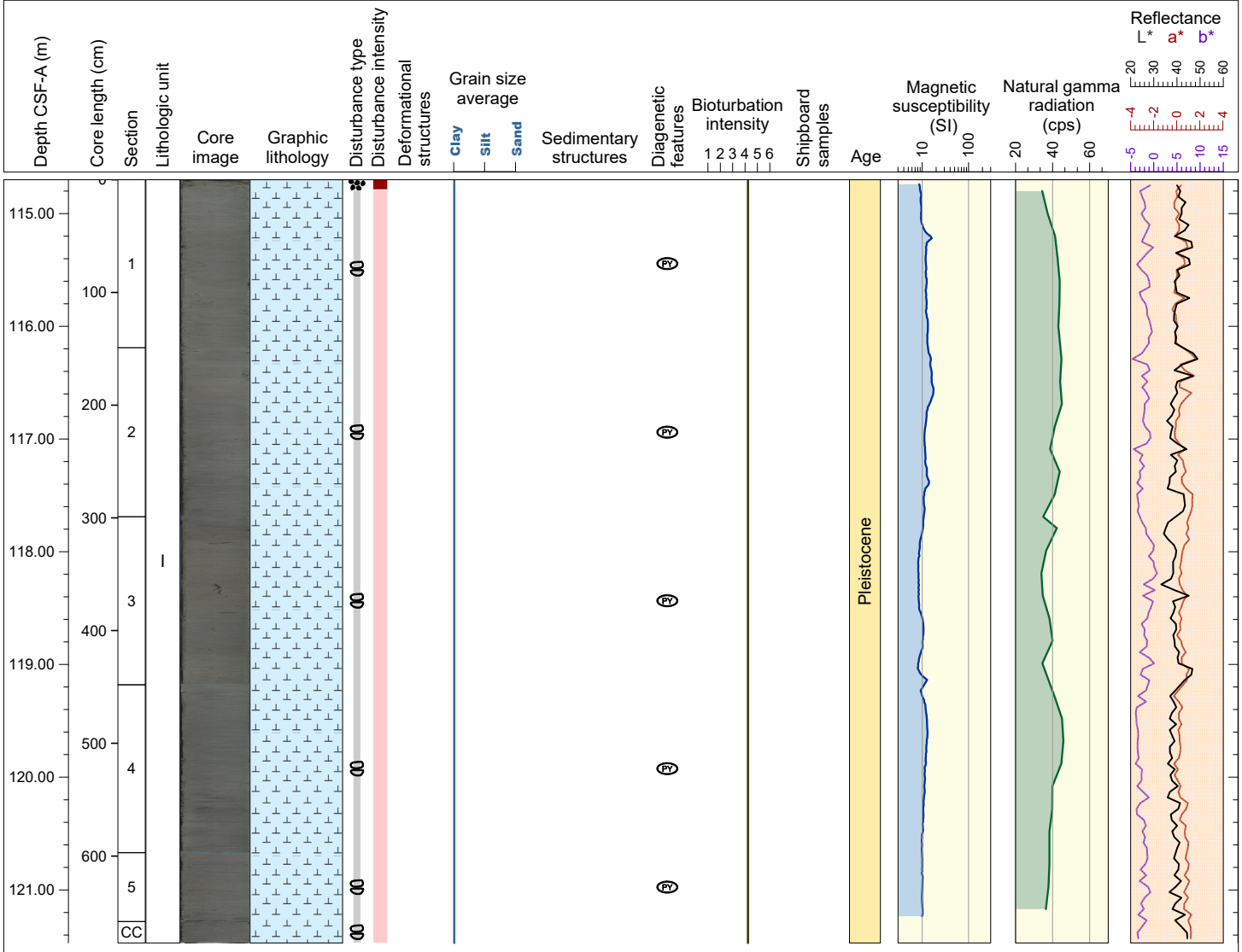
Hole 397-U1588D Core 16X, Interval 109.9-118.53 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seen throughout. The uppermost 10 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



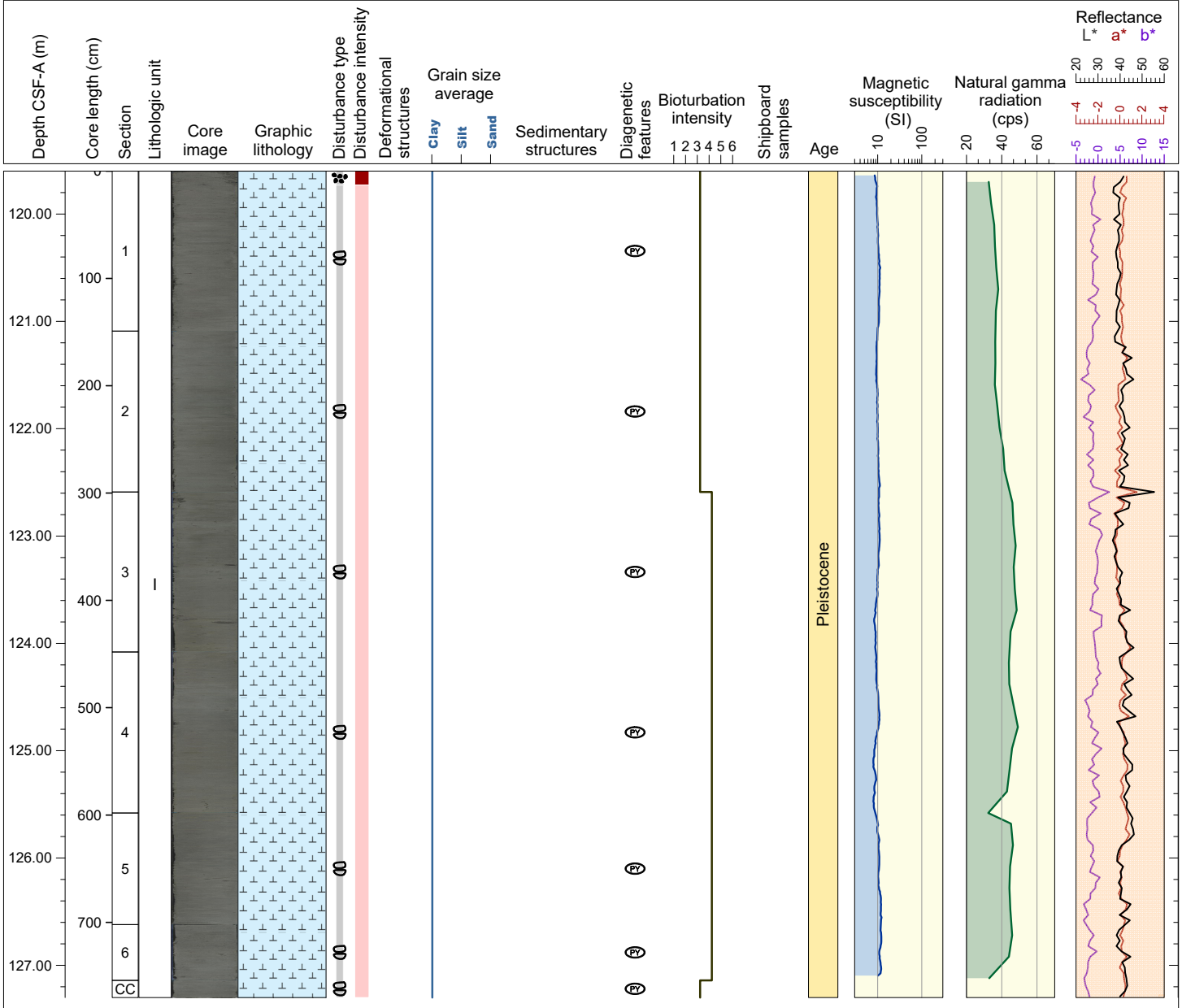
Hole 397-U1588D Core 17X, Interval 114.7-121.47 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites and Thalassinoides are seen throughout. A microfossil shell fragment occurs at 101-103 cm in Section 1, a coral fragment occurs at 12-14 cm in Section 5, and a gastropod occurs at 40 cm in Section 5. The uppermost 9 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



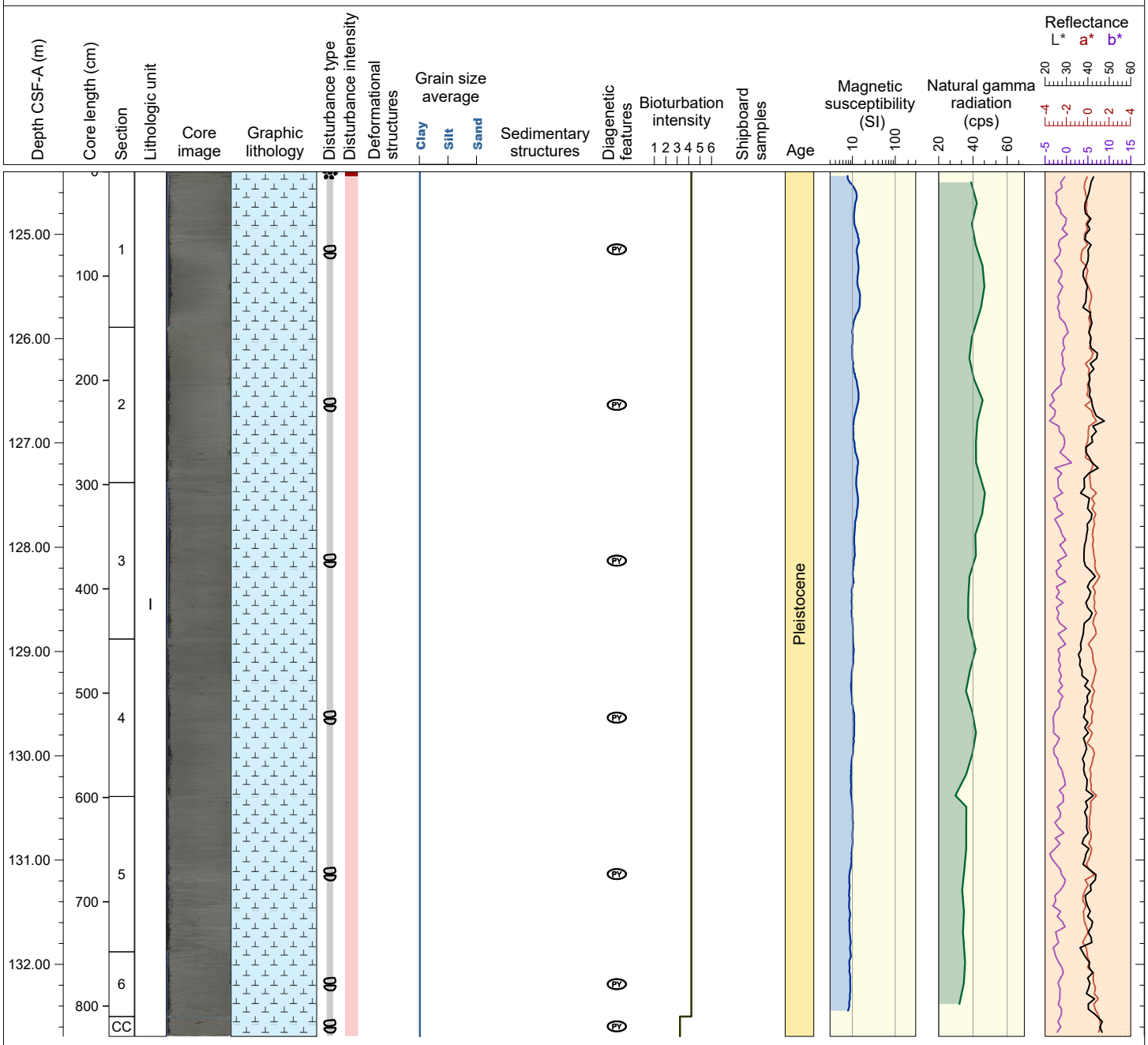
Hole 397-U1588D Core 18X, Interval 119.6-127.3 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The uppermost 5 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



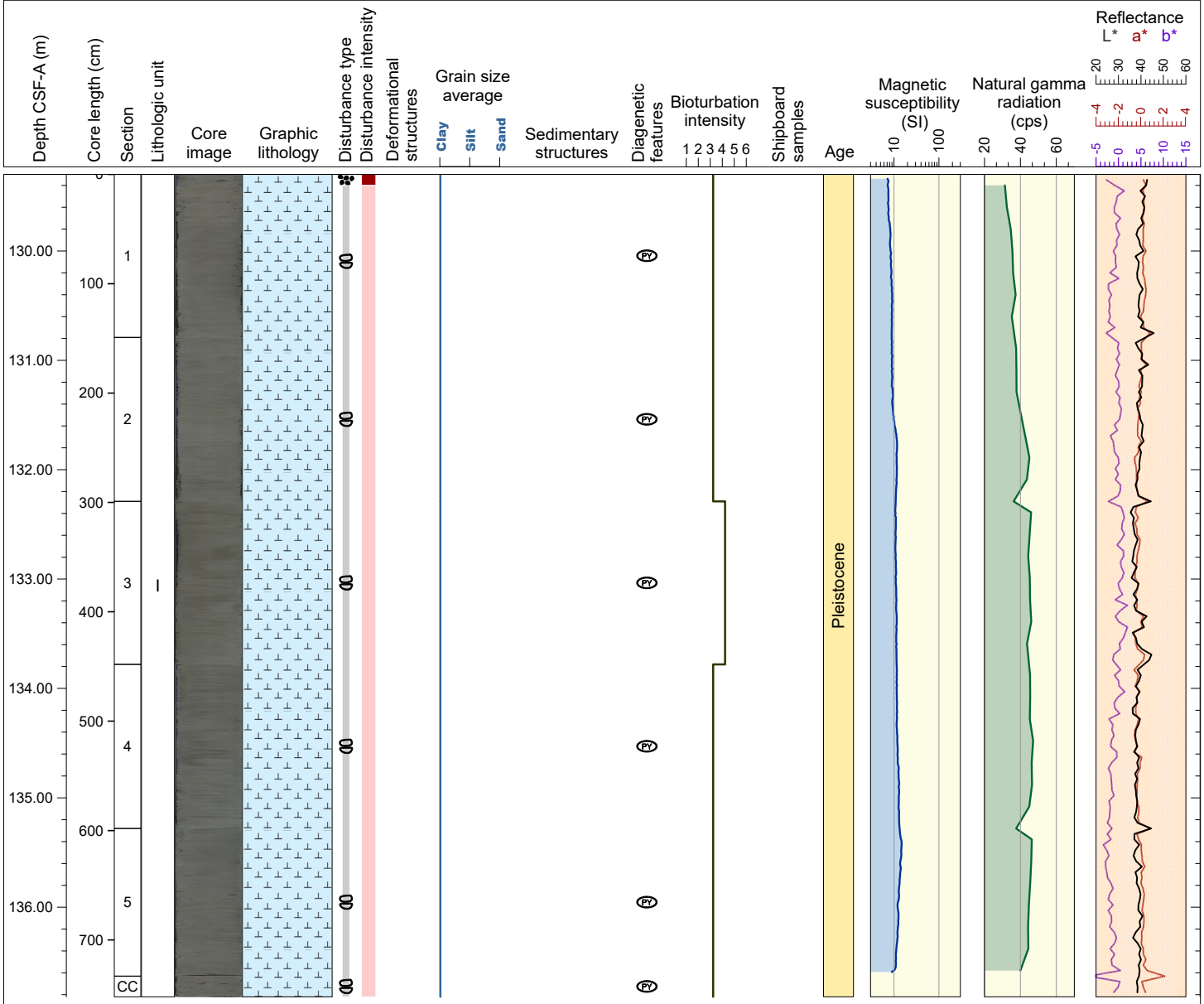
Hole 397-U1588D Core 19X, Interval 124.4-132.69 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The uppermost 5 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



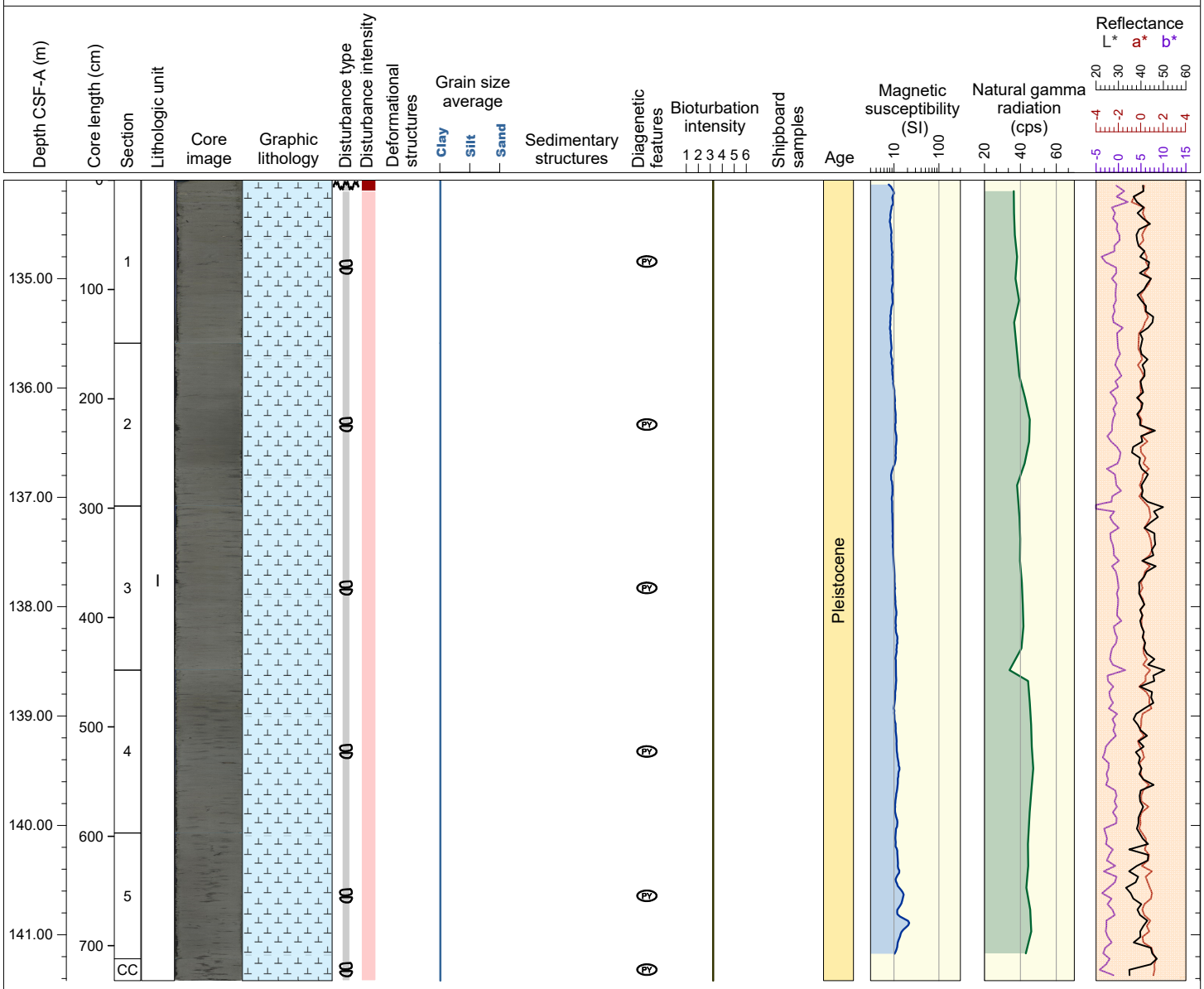
Hole 397-U1588D Core 20X, Interval 129.3-136.82 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seen throughout. The uppermost 10 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



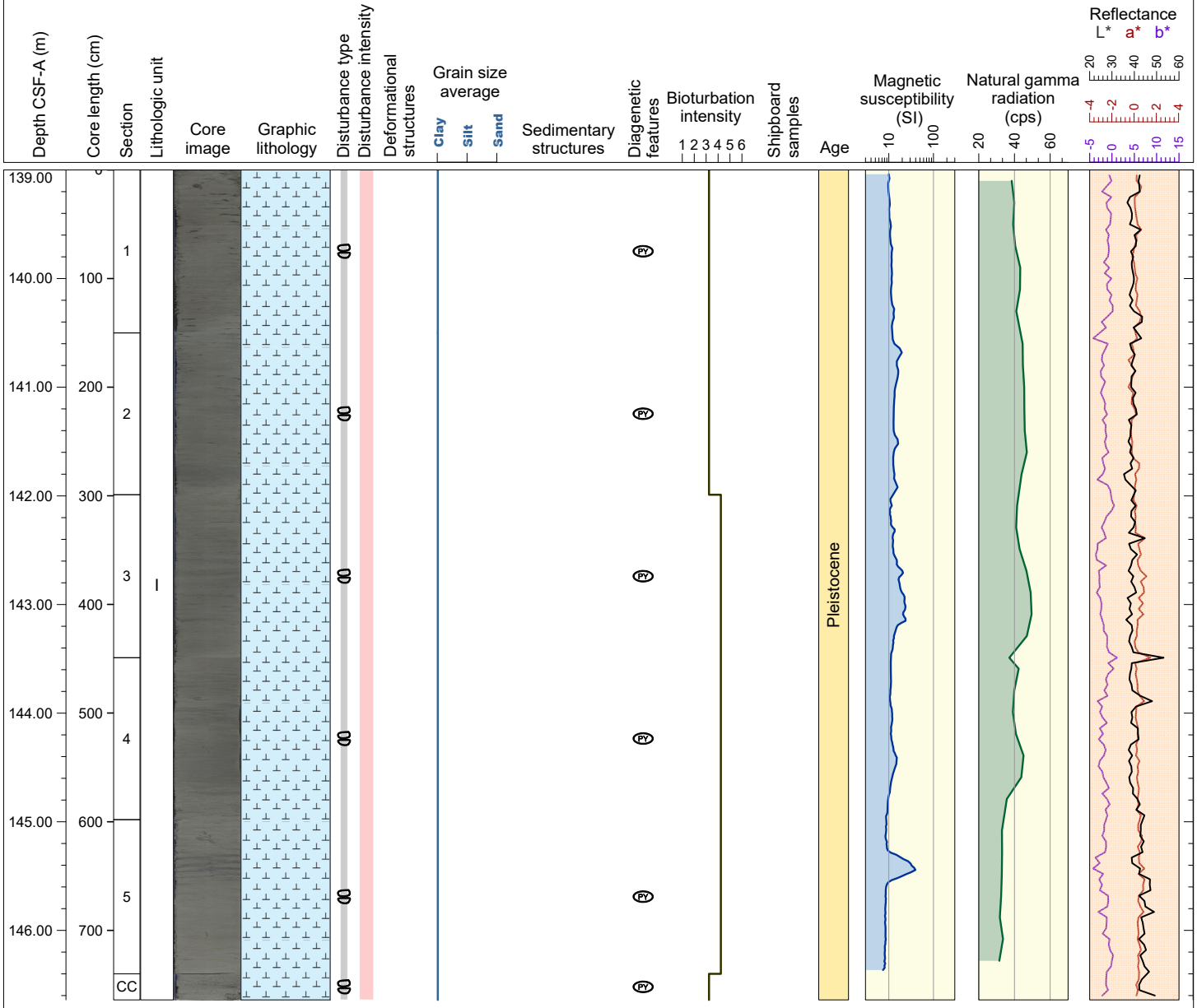
Hole 397-U1588D Core 21X, Interval 134.1-141.42 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seen throughout. Severely disturbed bedding occurs at 0-10 cm in Section 1, and the rest of the core is slightly disturbed by biscuiting.



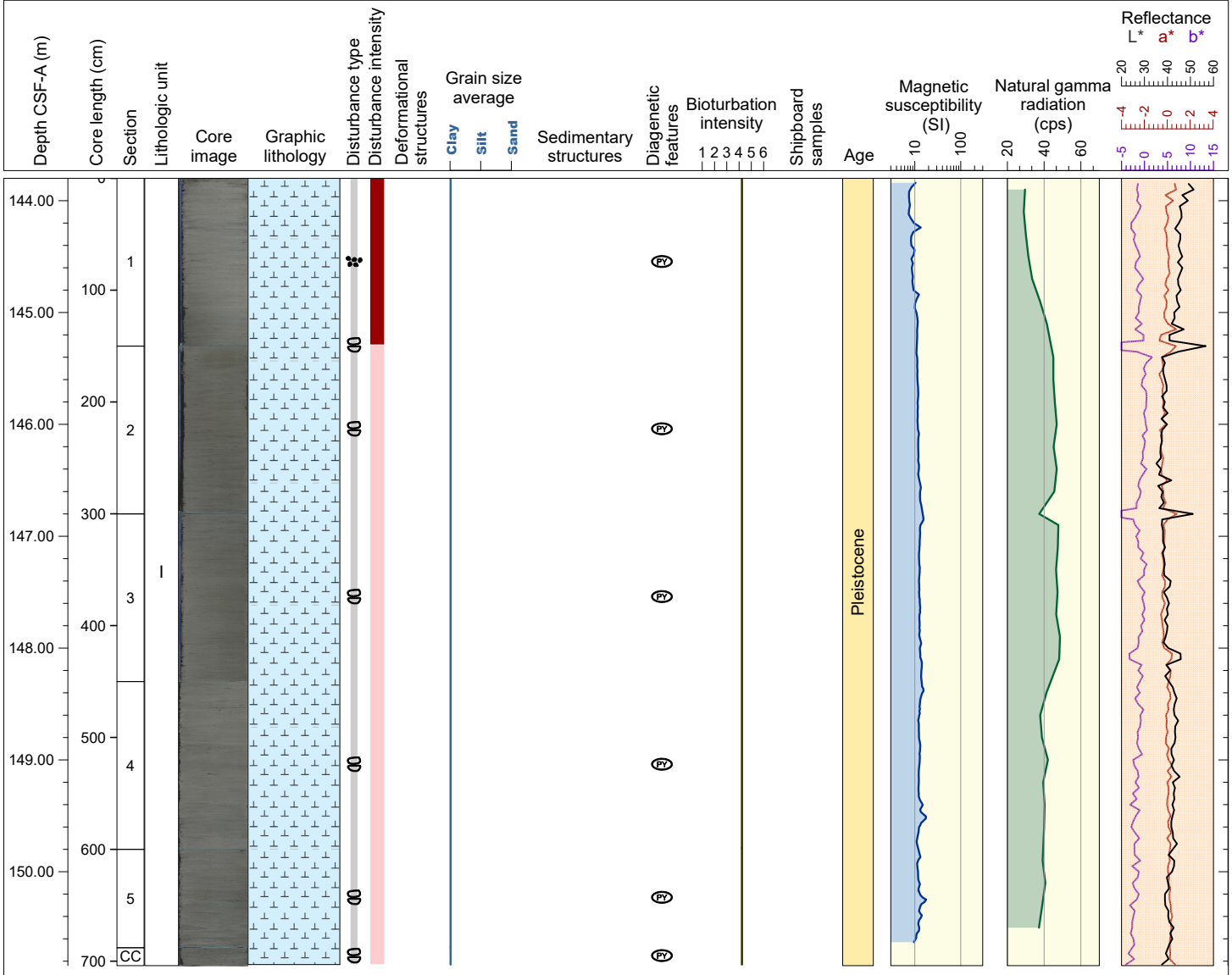
Hole 397-U1588D Core 22X, Interval 139.0-146.64 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites and Thalassinoides are seen throughout. The entire core is slightly to disturbed by biscuiting.



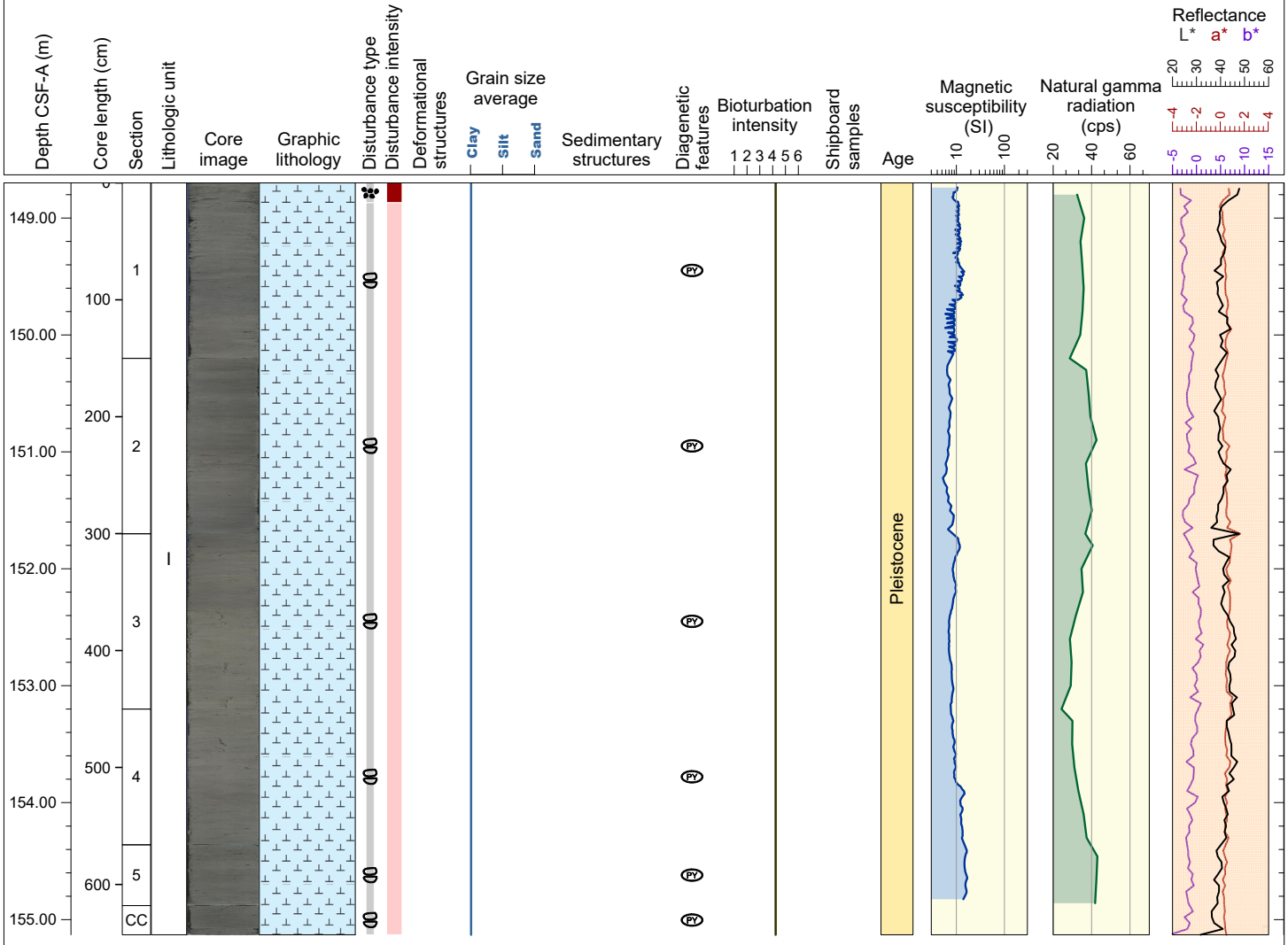
Hole 397-U1588D Core 23X, Interval 143.8-150.84 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Zoophycos traces are also observed in Section 3. Macrofossil shells occur at 34 cm and 50 cm in Section 4. The entire core is slightly to disturbed by biscuiting.



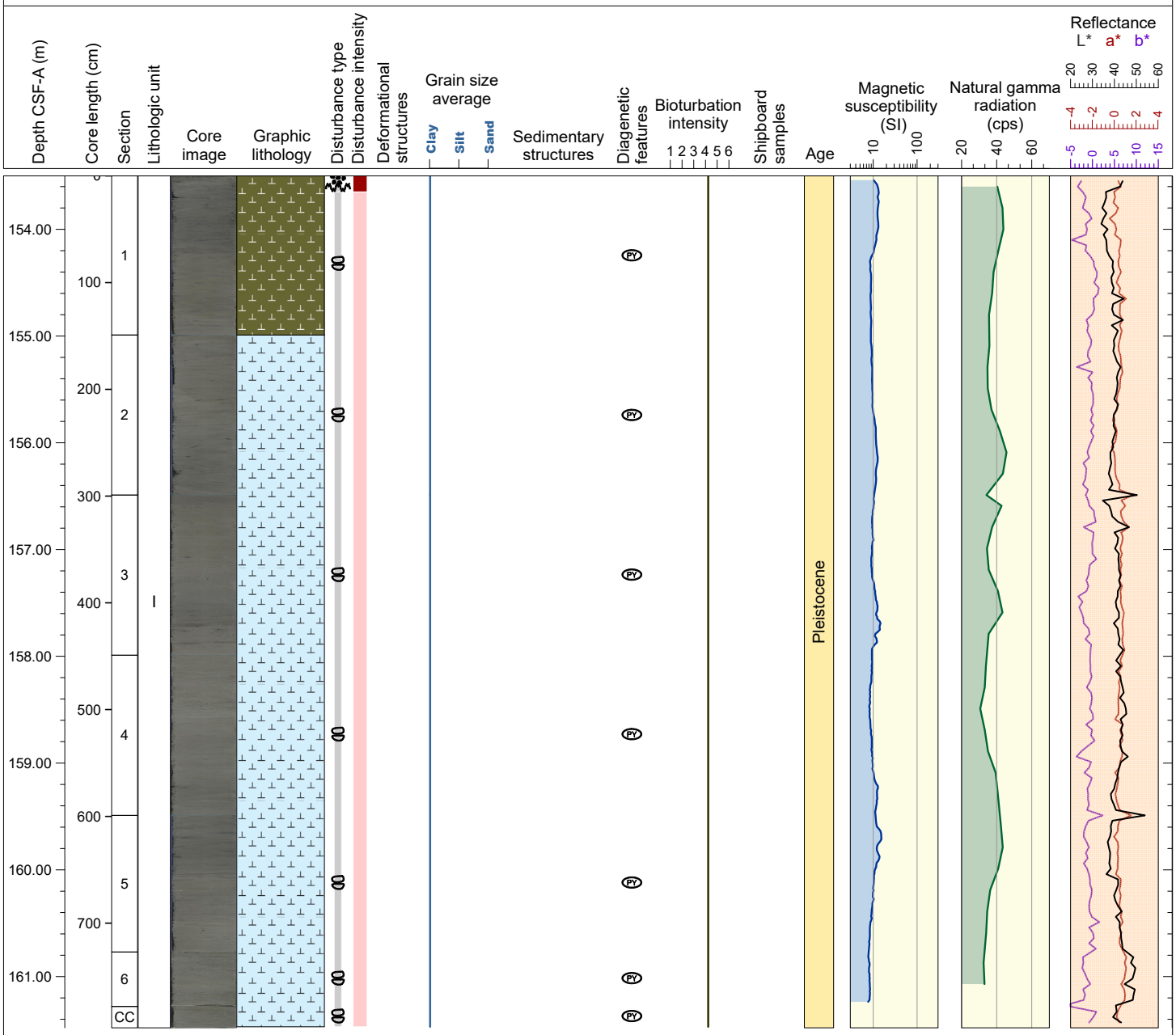
Hole 397-U1588D Core 24X, Interval 148.7-155.13 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. A fossil trace of Ophiomorpha is observed in Section 1. The uppermost 17 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



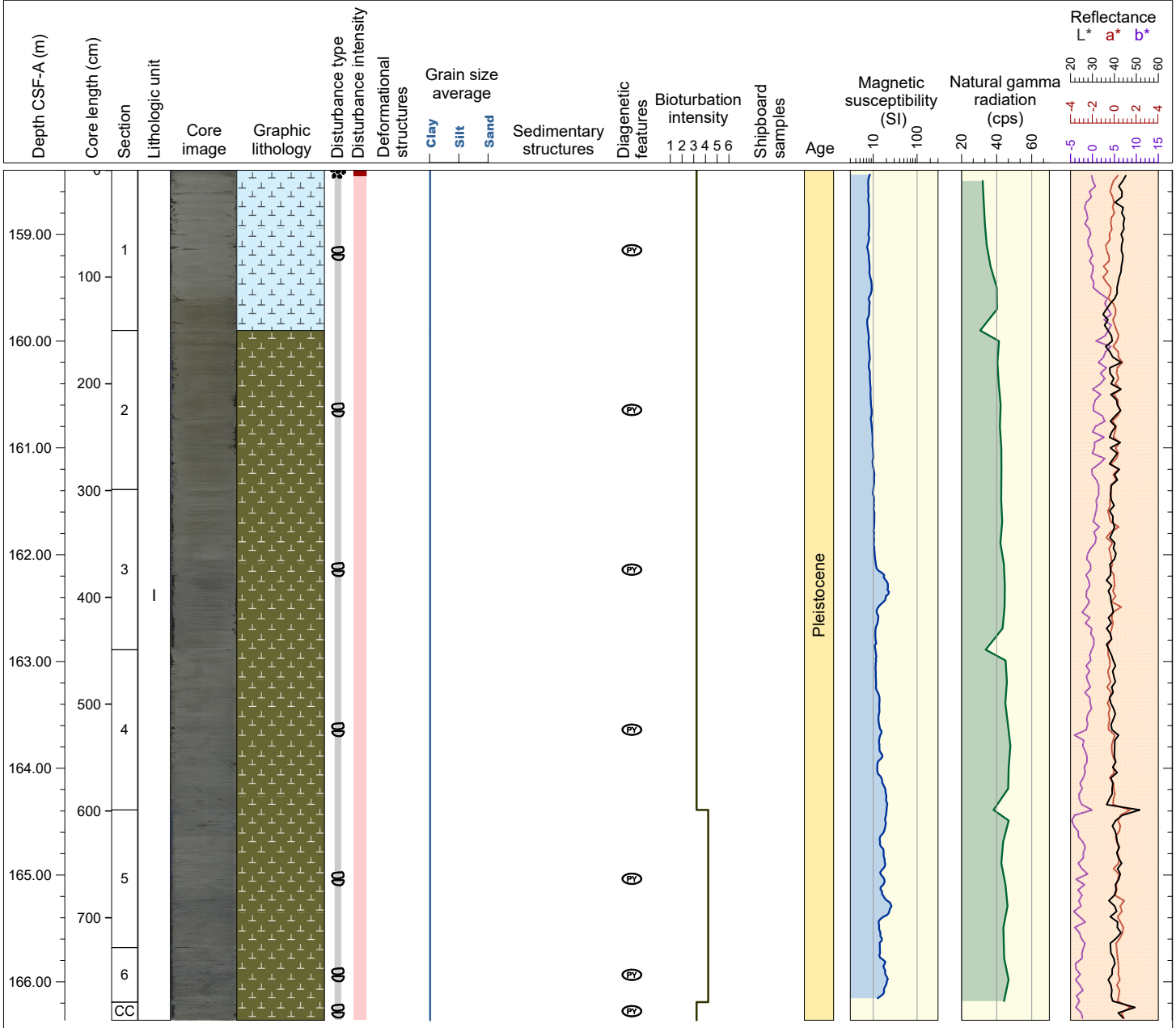
Hole 397-U1588D Core 25X, Interval 153.5-161.48 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and CARBONATE OOZE WITH CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules and dark patches occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. A fossil trace of Ophiomorpha is observed in Section 3. The uppermost 7 cm of Section 1 is severely disturbed by fall-in, severely disturbed bedding occurs at 7-15 cm in Section 1, and the rest of the core is slightly disturbed by biscuiting.



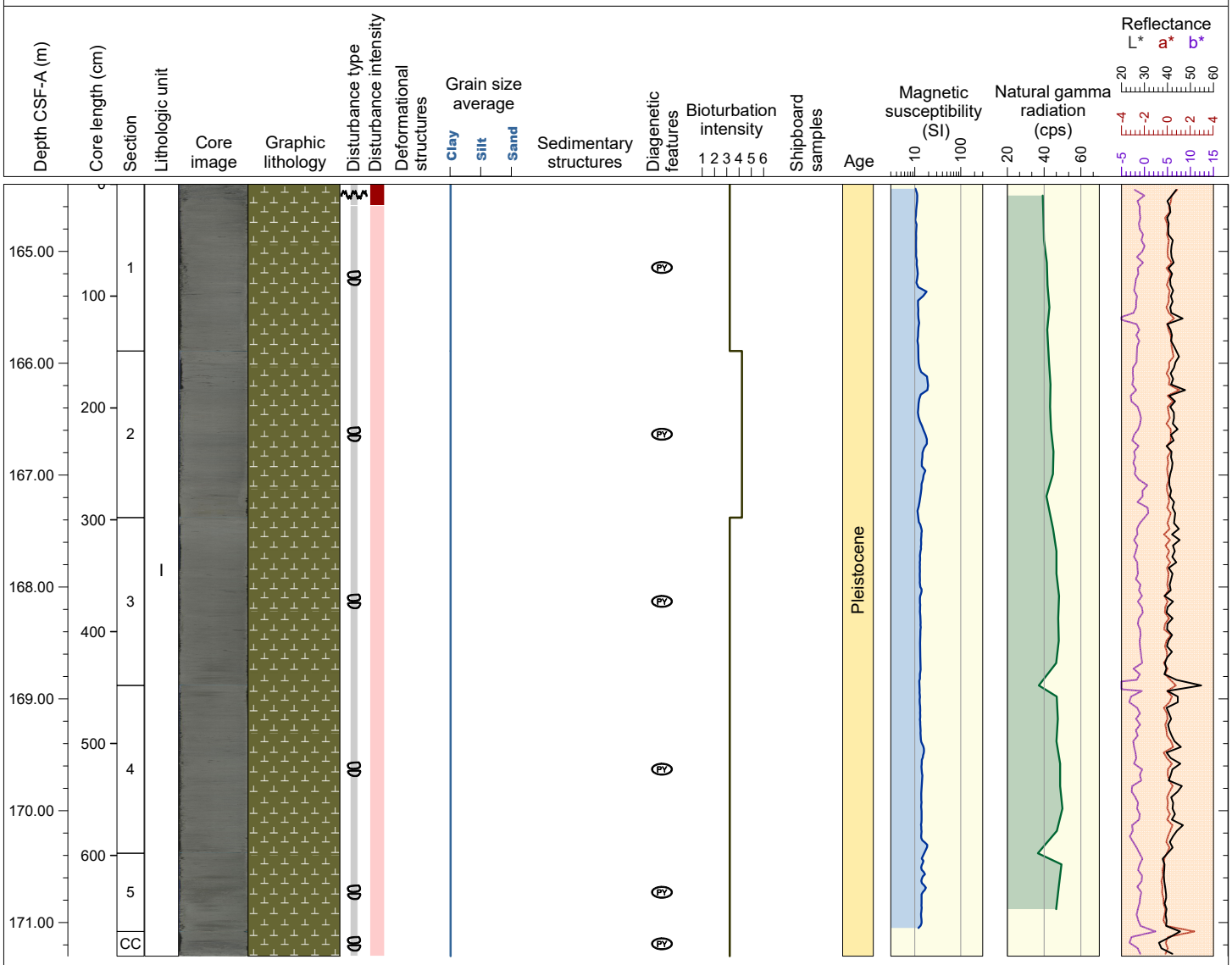
Hole 397-U1588D Core 26X, Interval 158.4-166.36 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE and CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The uppermost 6 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



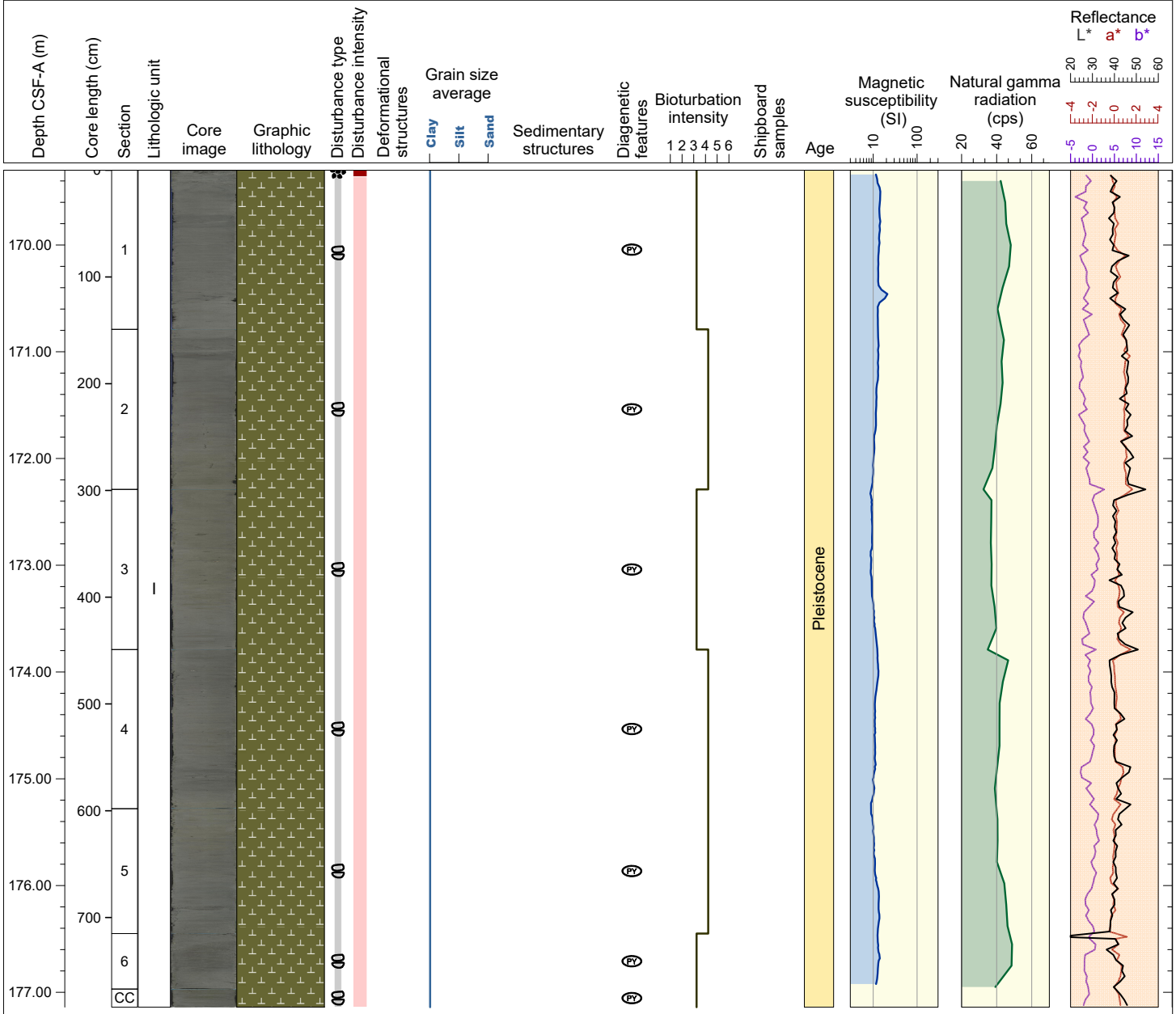
Hole 397-U1588D Core 27X, Interval 164.4-171.3 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seen throughout. Severely disturbed bedding occurs at 0-10 cm in Section 1, and the rest of the core is slightly disturbed by biscuiting.



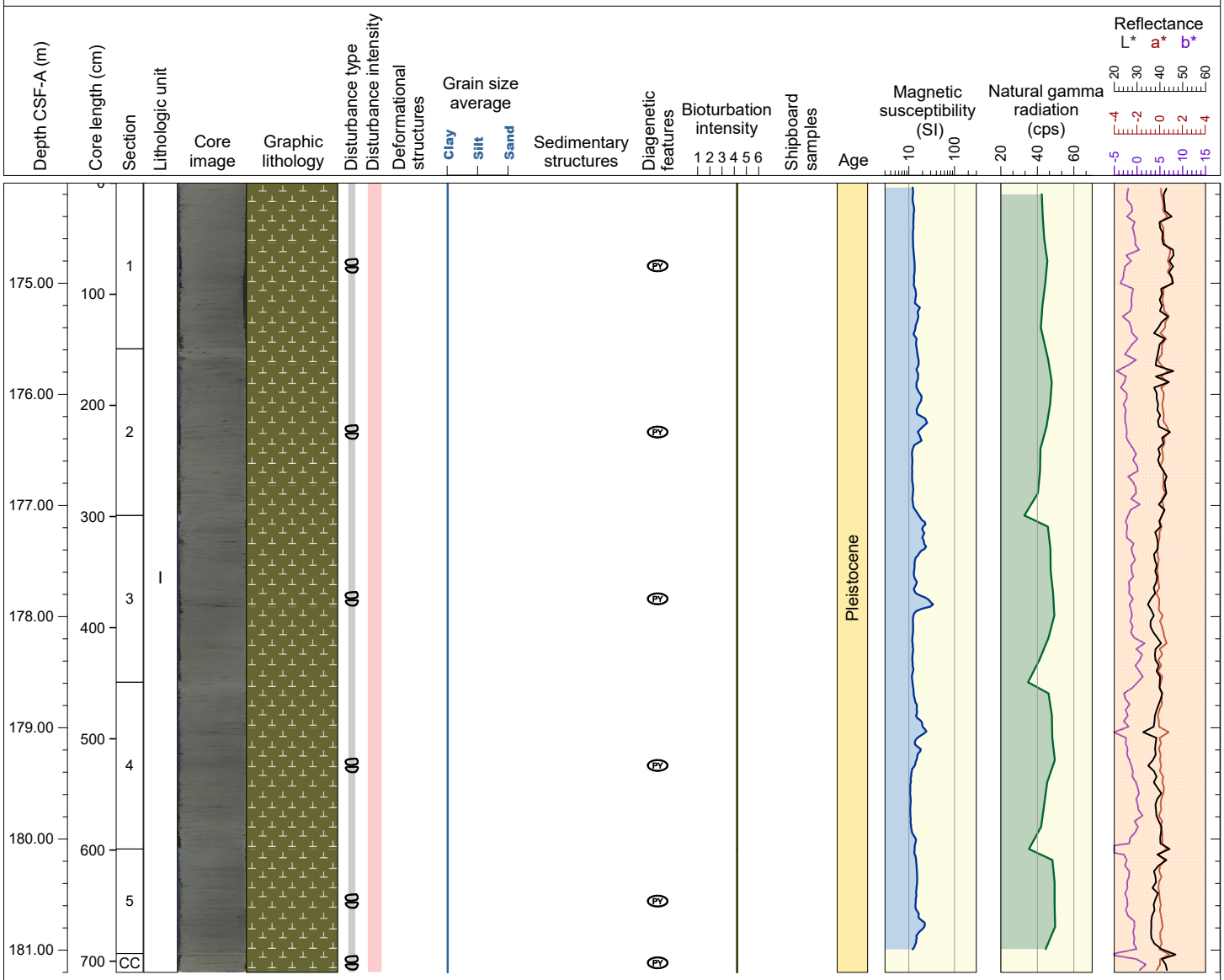
Hole 397-U1588D Core 28X, Interval 169.3-177.14 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seen throughout. The uppermost 6 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



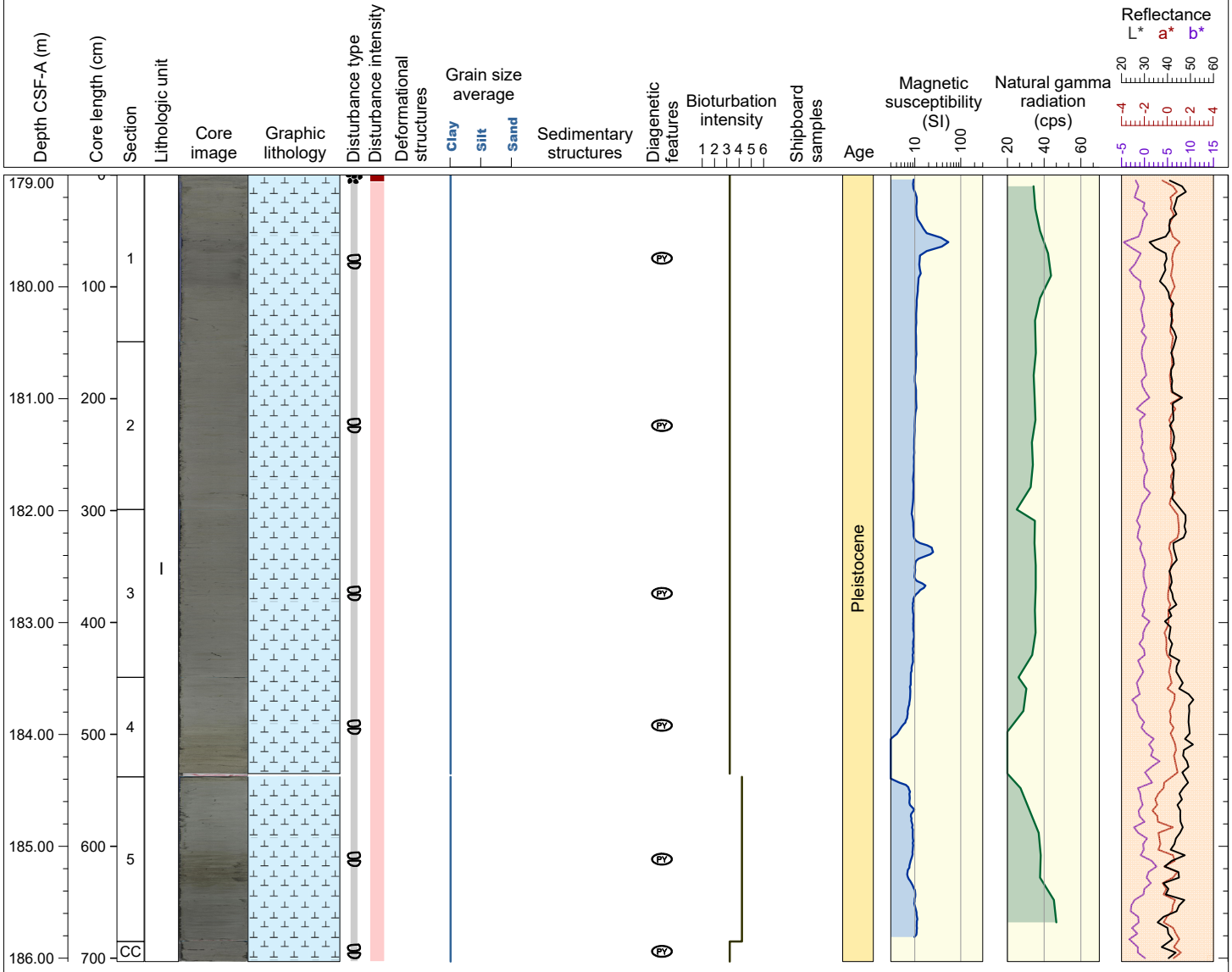
Hole 397-U1588D Core 29X, Interval 174.1-181.2 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seen throughout. The entire core is slightly to disturbed by biscuiting.



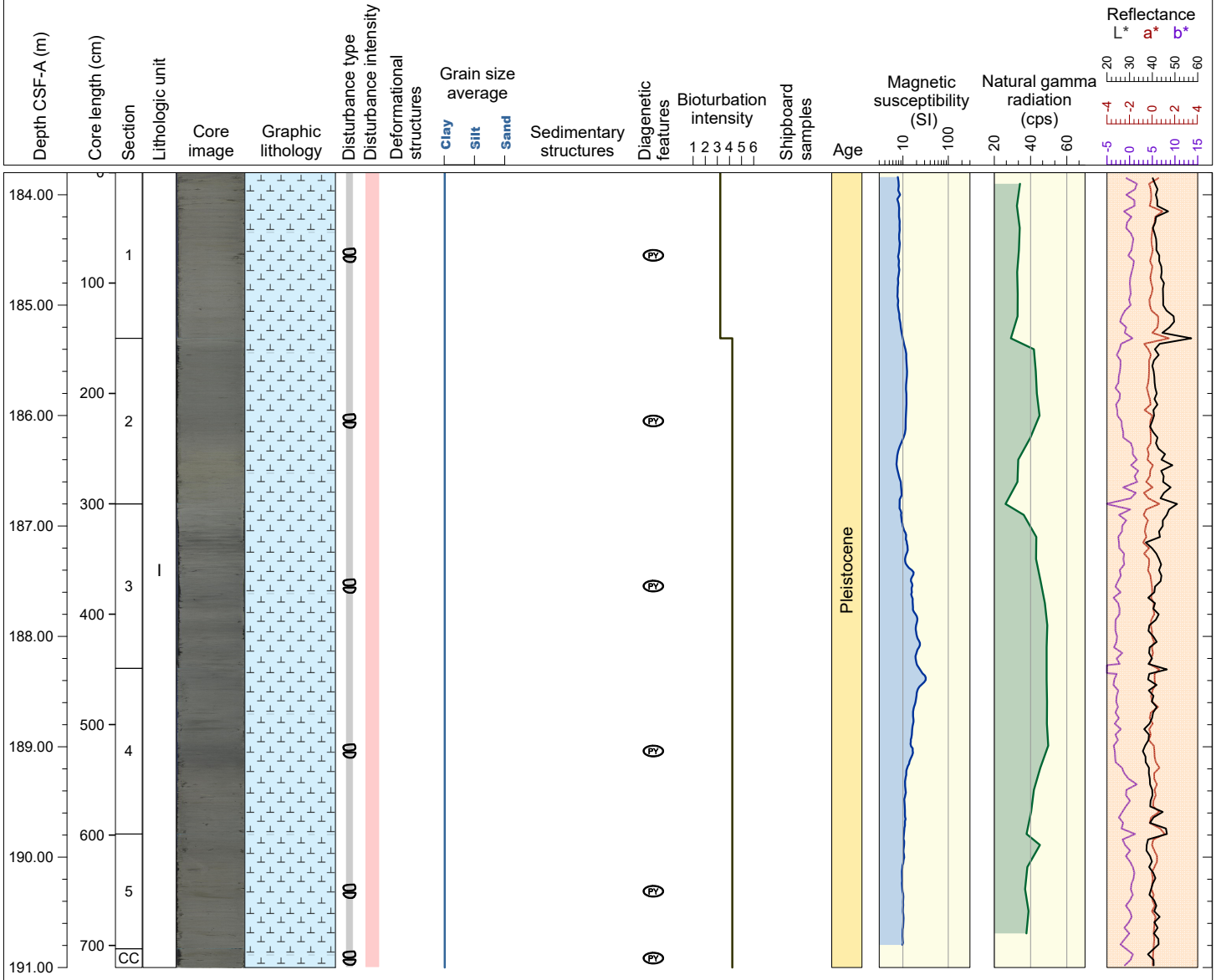
Hole 397-U1588D Core 30X, Interval 179.0-186.03 m (CSF-A)

This core is dominated by CARBONATE NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seen throughout. The uppermost 6 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.t



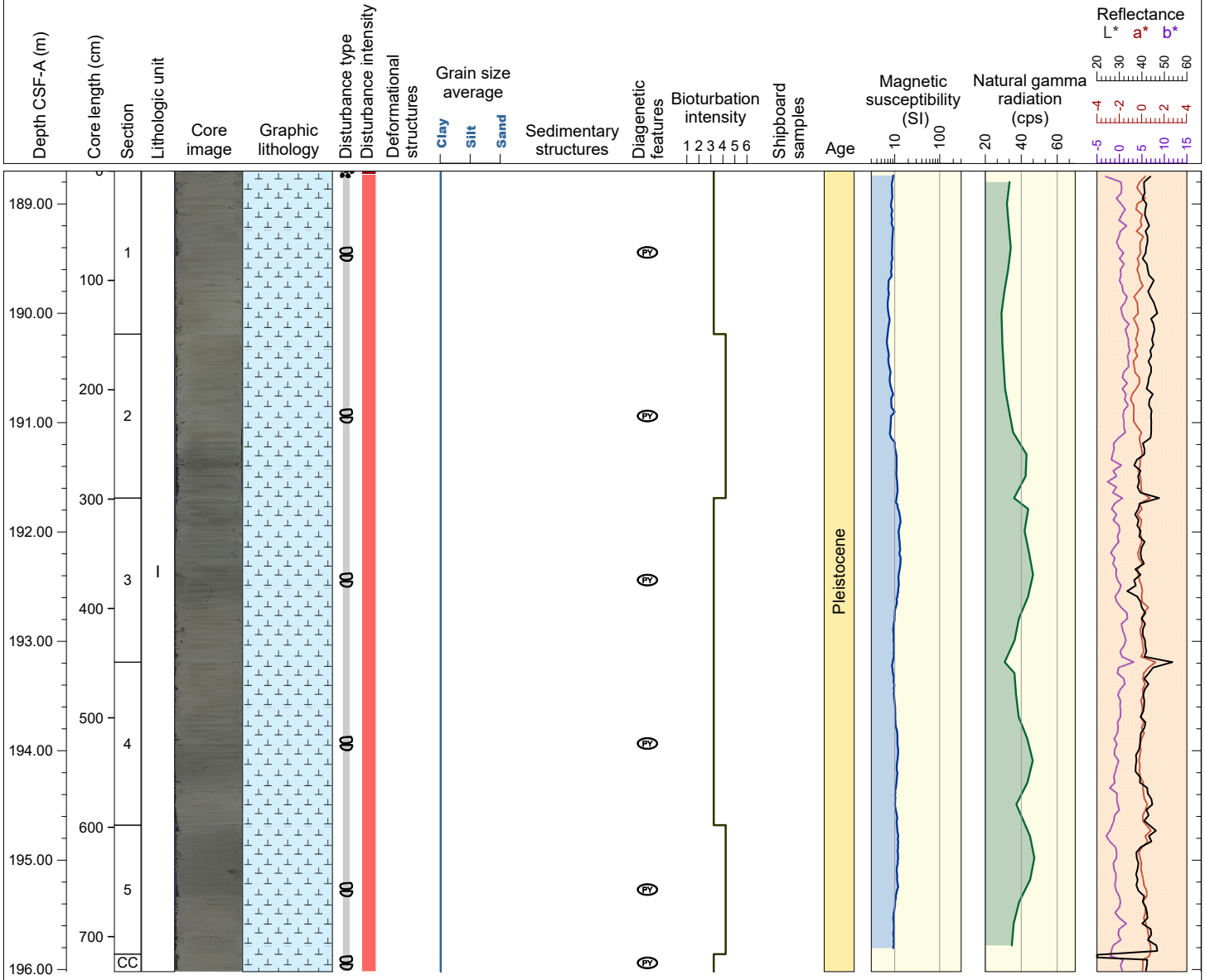
Hole 397-U1588D Core 31X, Interval 183.8-191.0 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites, Planolites, and Thalassinoides are seen throughout. Traces of Ophiomorpha and Zoophycos also occur. The entire core is slightly to moderately disturbed by biscuiting.



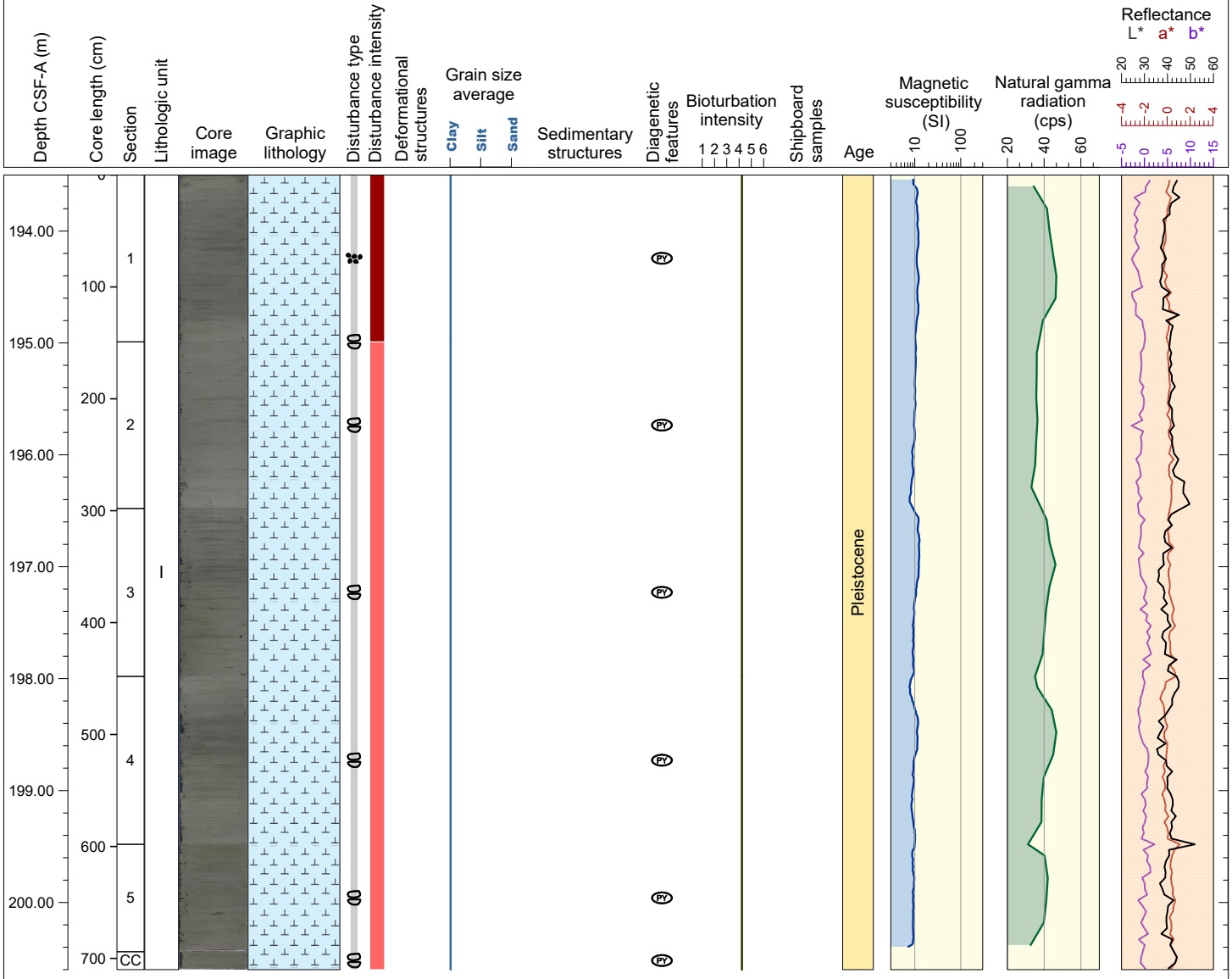
Hole 397-U1588D Core 32X, Interval 188.7-196.02 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites and Thalassinoides are seen throughout. Traces of Zoophycos also occur in Section 2. The uppermost 6 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



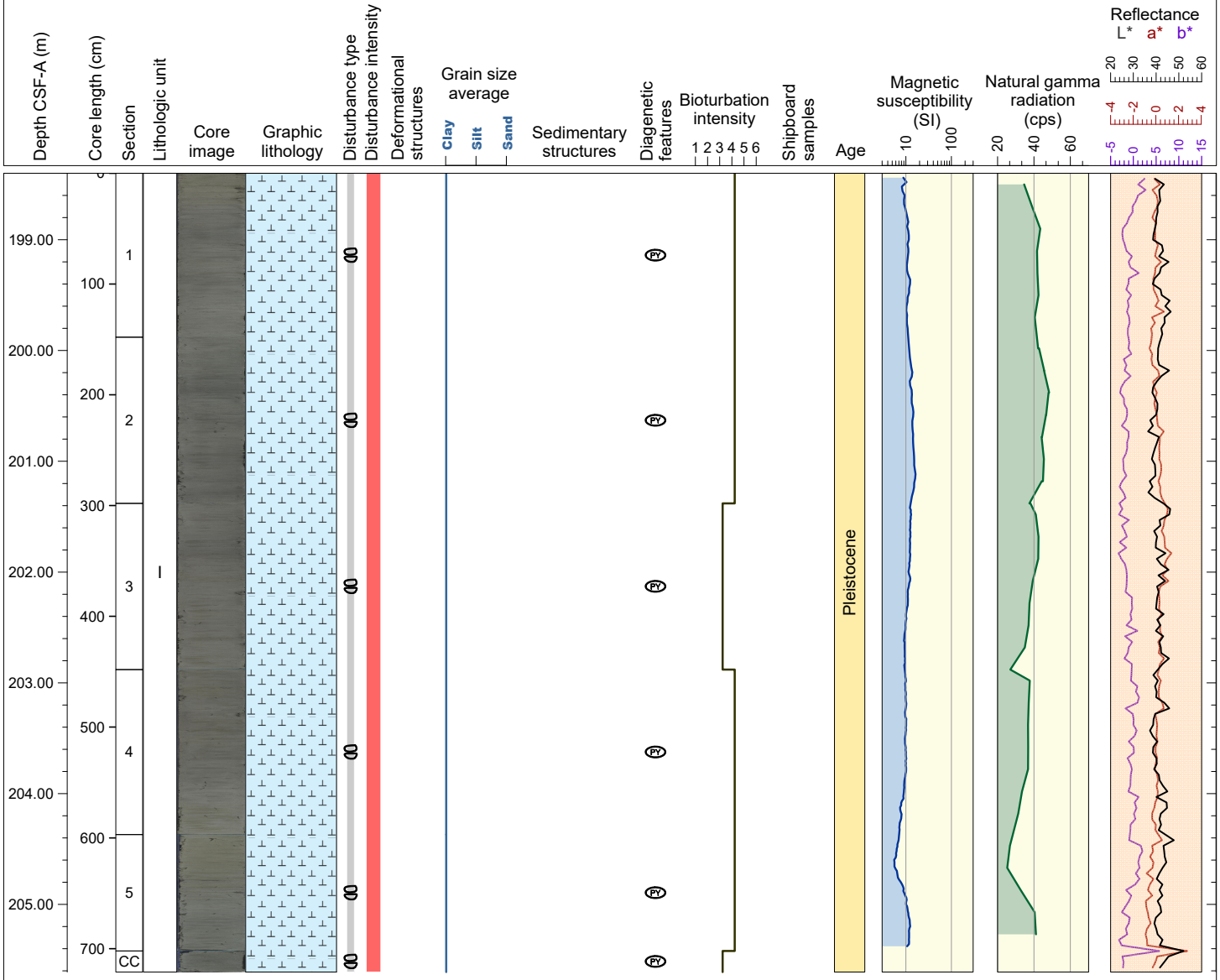
Hole 397-U1588D Core 33X, Interval 193.5-200.6 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites, Planolites, and Thalassinoides are seen throughout. A macrofossil shell occurs at 8384 cm in Section 5. The uppermost 2 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is slightly disturbed by biscuiting.



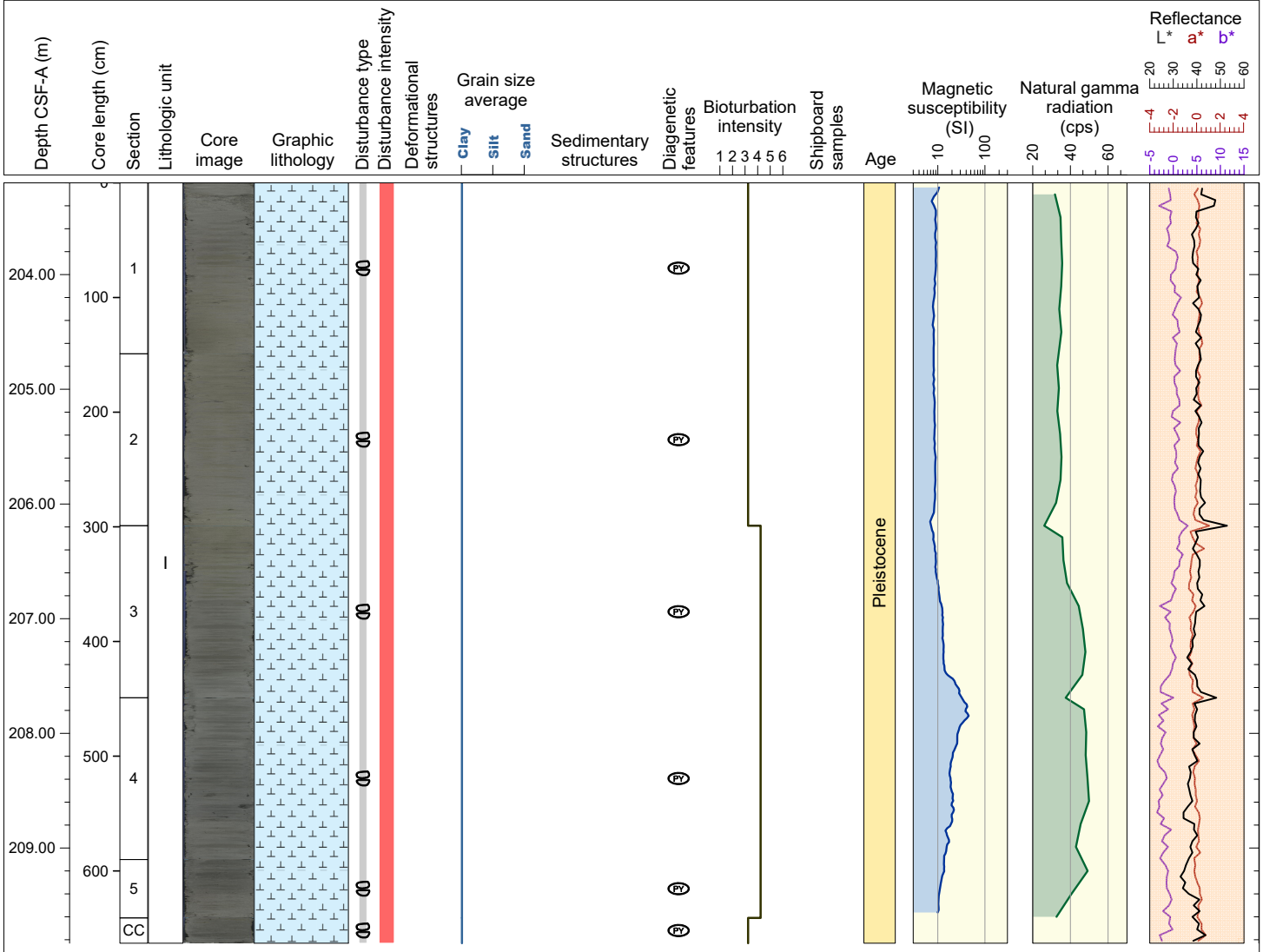
Hole 397-U1588D Core 34X, Interval 198.4-205.61 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites and Thalassinoides are seen throughout. The entire core is moderately disturbed by biscuiting.



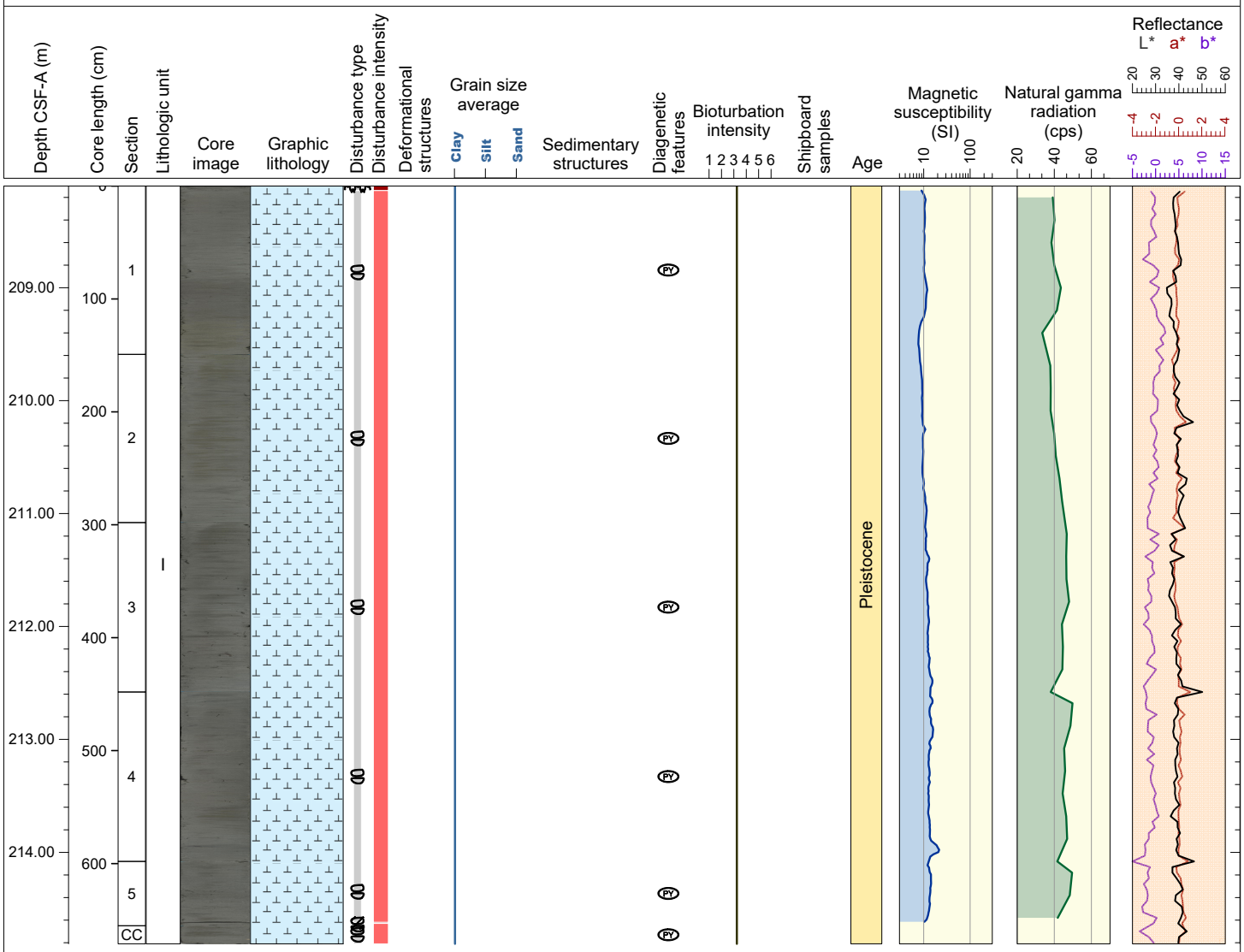
Hole 397-U1588D Core 35X, Interval 203.2-209.83 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites and Thalassinoides are seen throughout. The entire core is moderately disturbed by biscuiting.



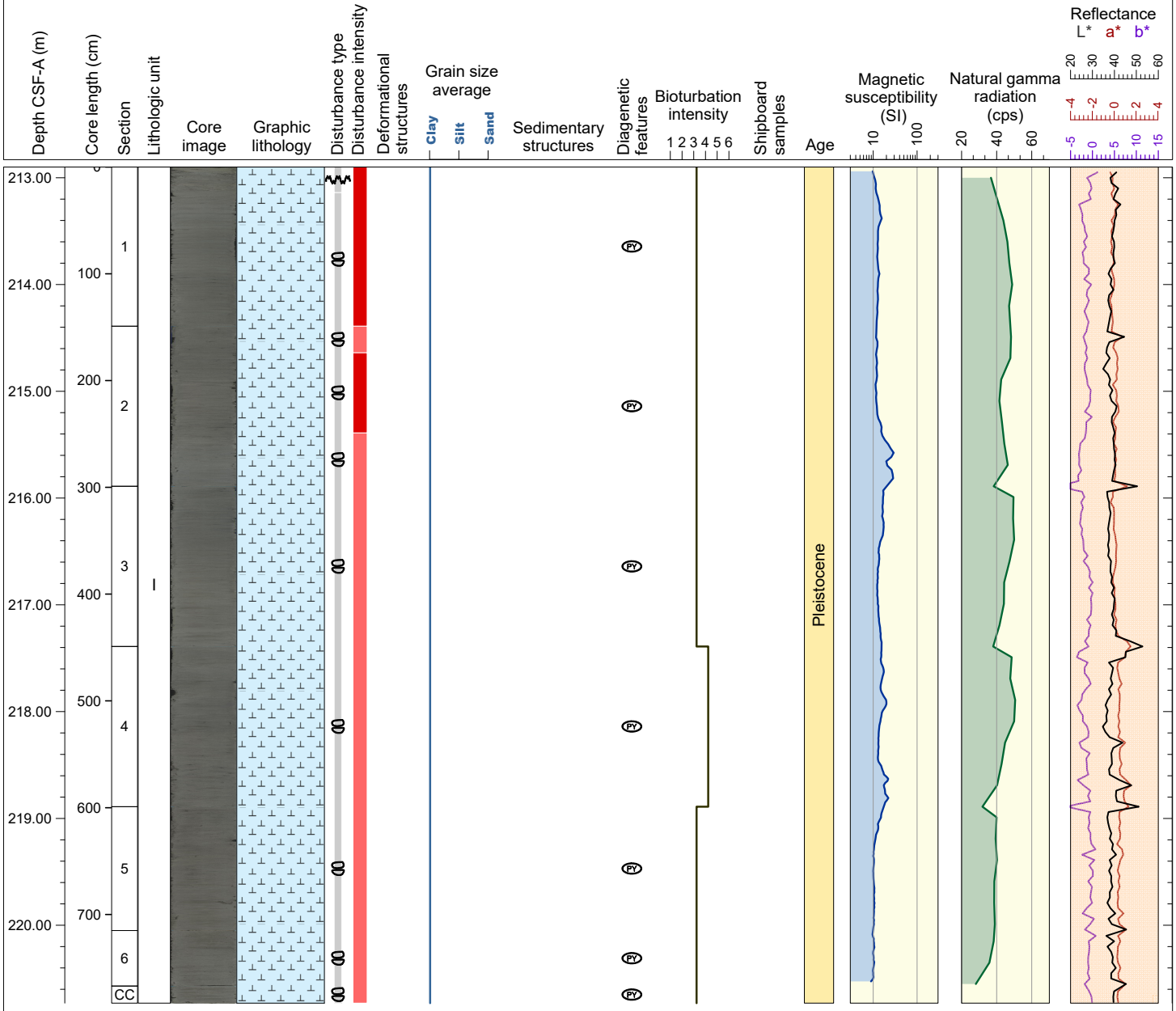
Hole 397-U1588D Core 36X, Interval 208.1-214.81 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites, and Thalassinoides are seen throughout. Rare macrofossils (shell fragements) are seen in CC. The entire core is moderately disturbed by biscuiting.



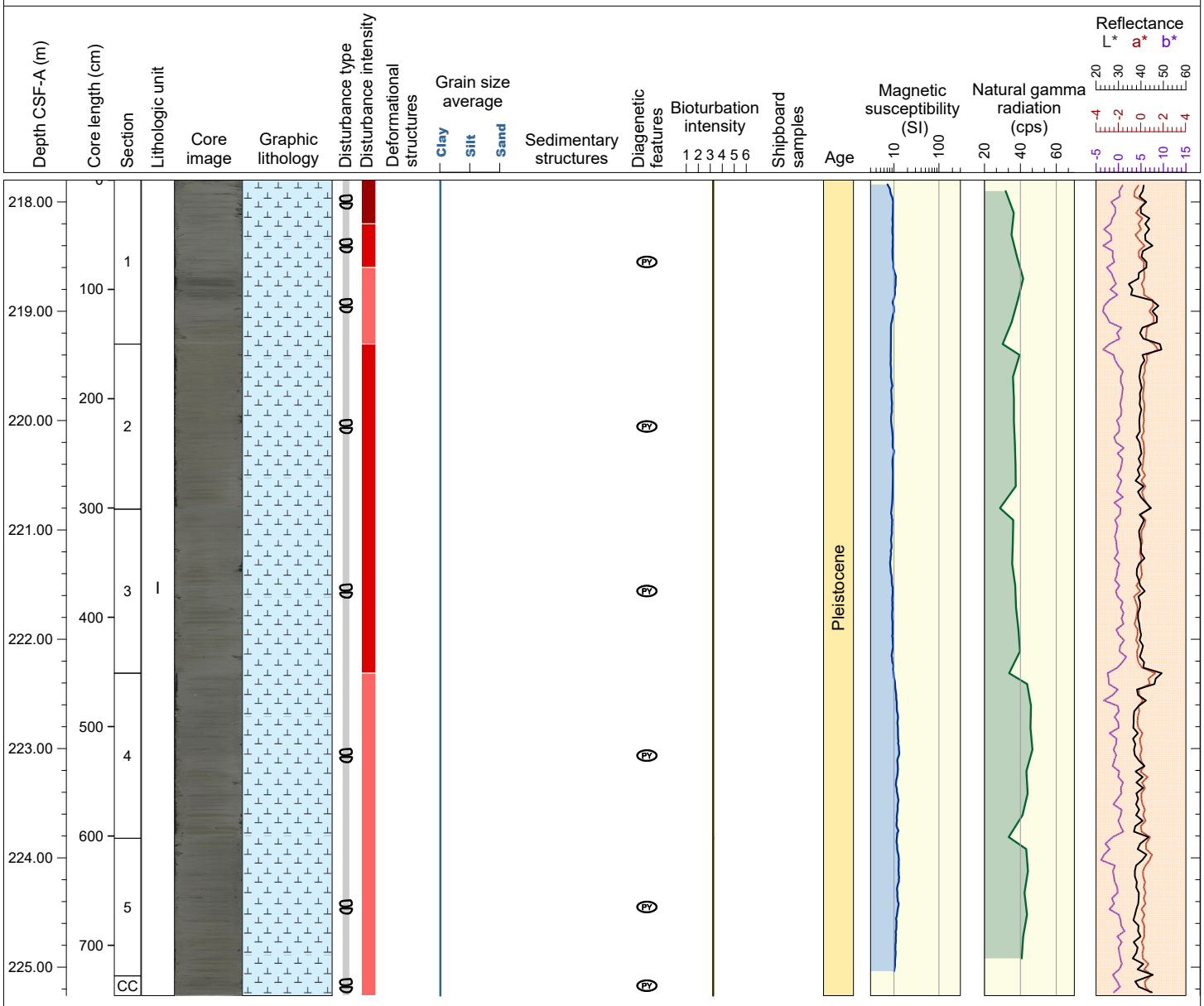
Hole 397-U1588D Core 37X, Interval 212.9-220.73 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites, and Thalassinoides are seen throughout. The top 24 cm of Section 1 has strongly disturbed bedding, 24-149 cm of Section 1 and 25-100 cm of Section 2 are strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



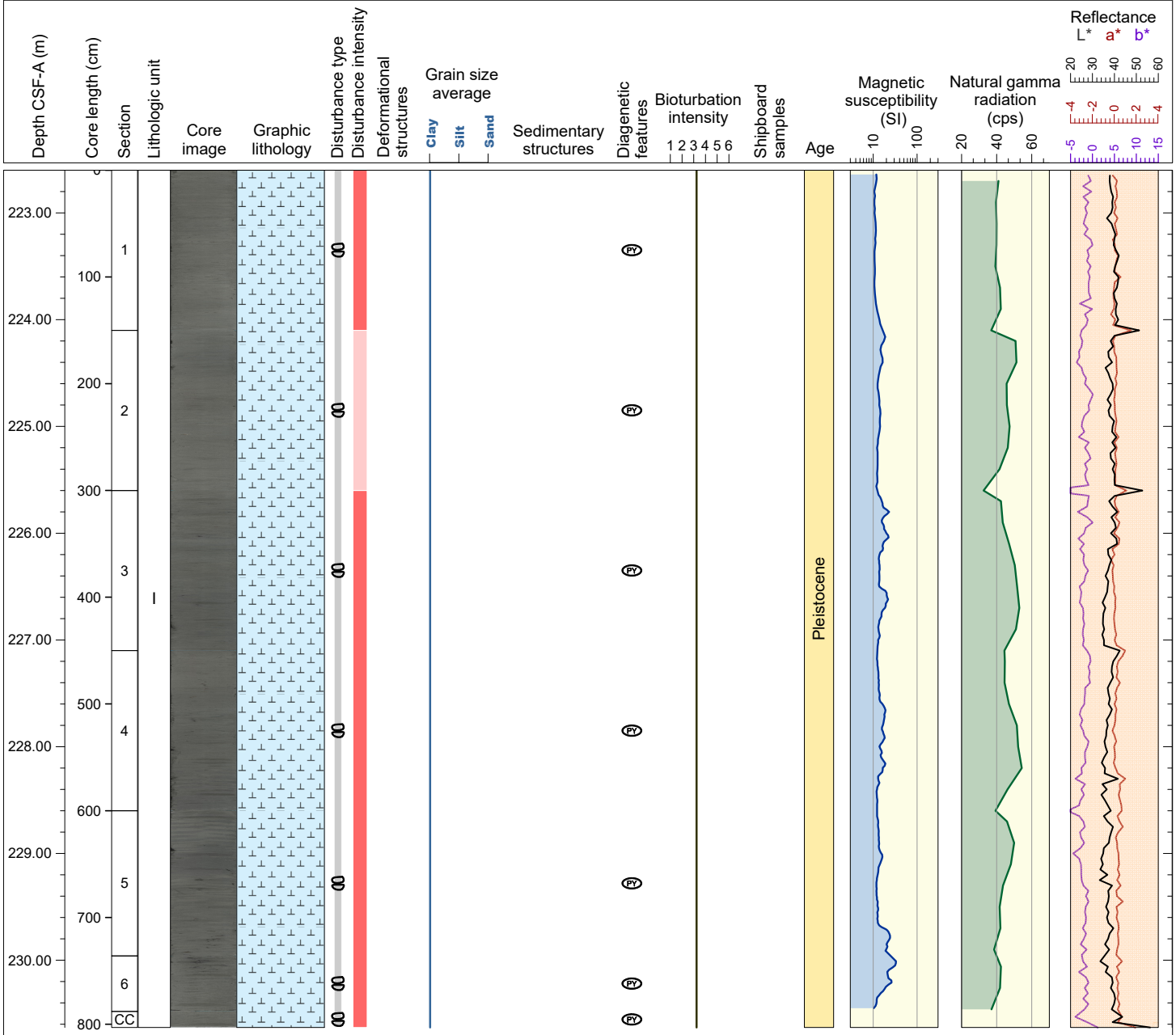
Hole 397-U1588D Core 38X, Interval 217.8-225.26 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites, and Thalassinoides are seen throughout. Rare macrofossils (shell fragments) are seen in Section 4. Top 40 cm of Section 1 is severely disturbed by biscuiting, 40-80 cm of Section 1 and sections 2-3 are strongly disturbed by biscuiting, and the rest of the cores is slightly to disturbed by biscuiting.



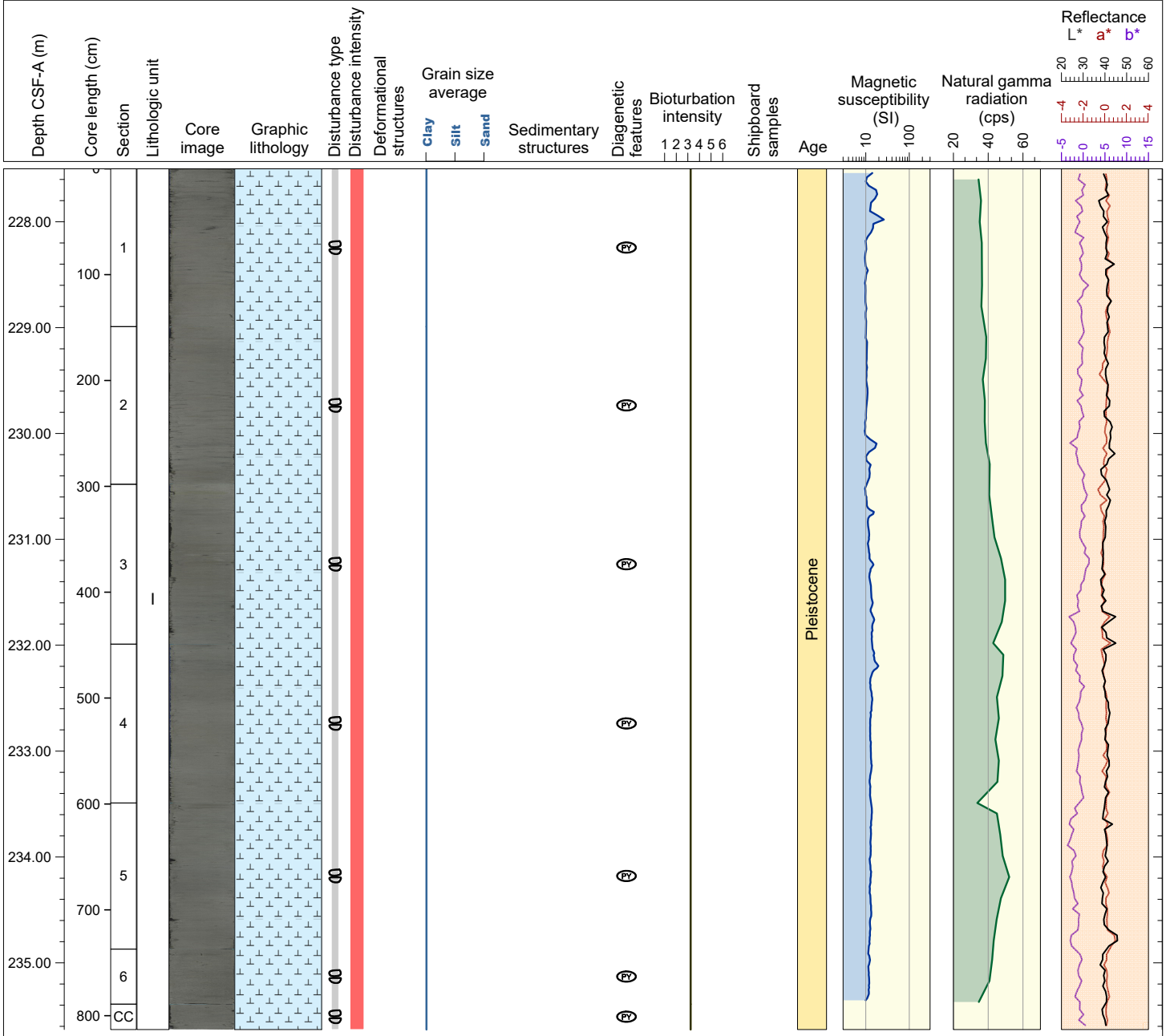
Hole 397-U1588D Core 39X, Interval 222.6-230.63 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Rare macrofossils (gastropods) are seen in Section 2. Section 2 is slightly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



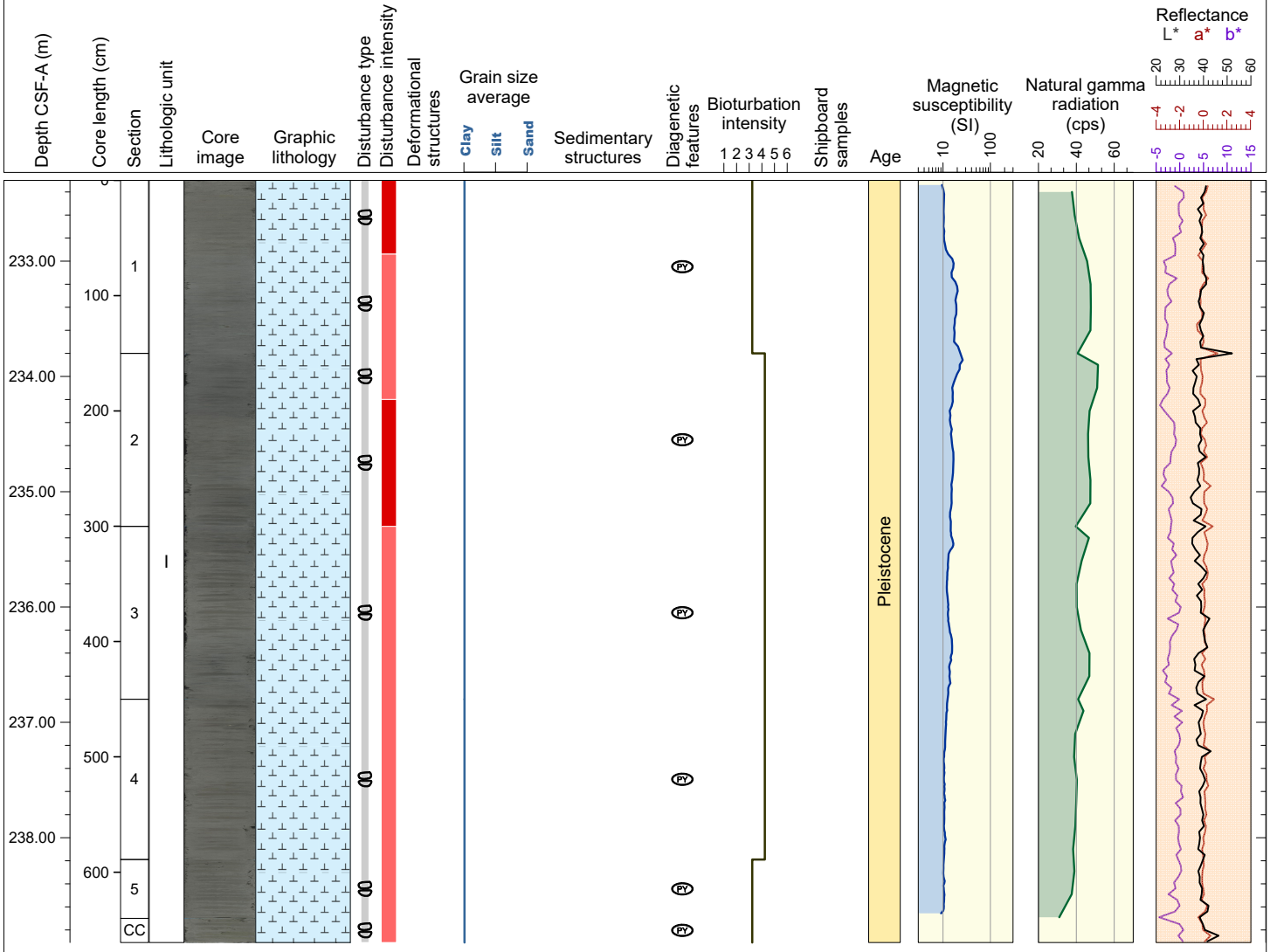
Hole 397-U1588D Core 40X, Interval 227.5-235.63 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Rare macrofossils (shell fragments) are seen in Section 4. The entire core is moderately to disturbed by biscuiting.



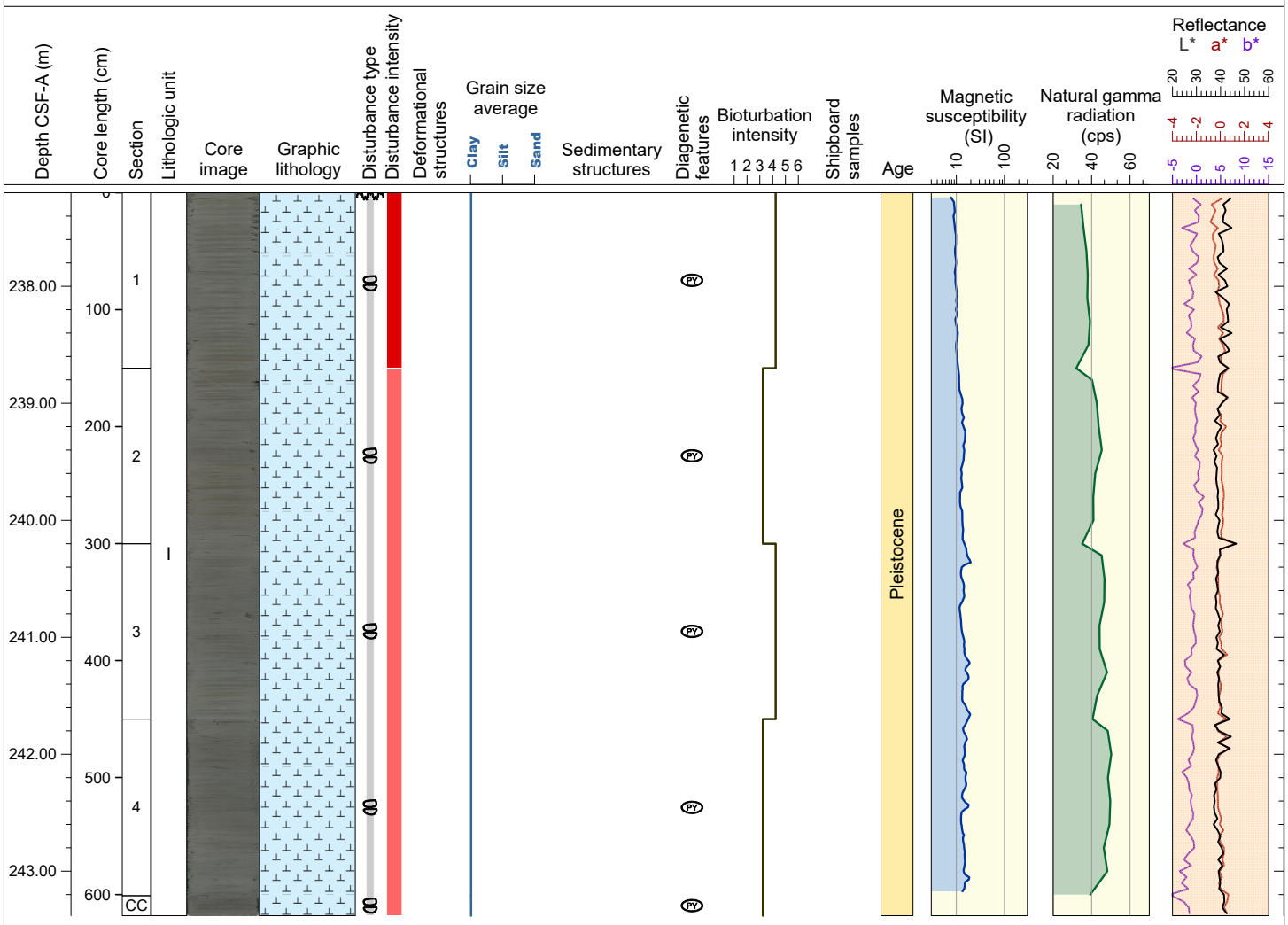
Hole 397-U1588D Core 41X, Interval 232.3-238.91 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight (Sections 1, 5, CC) or moderate (Section 2-4), and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The top 64 cm of Section 1 and 40-150 cm of Section 2 are strongly disturbed, and the rest of the core is moderately disturbed by biscuiting.



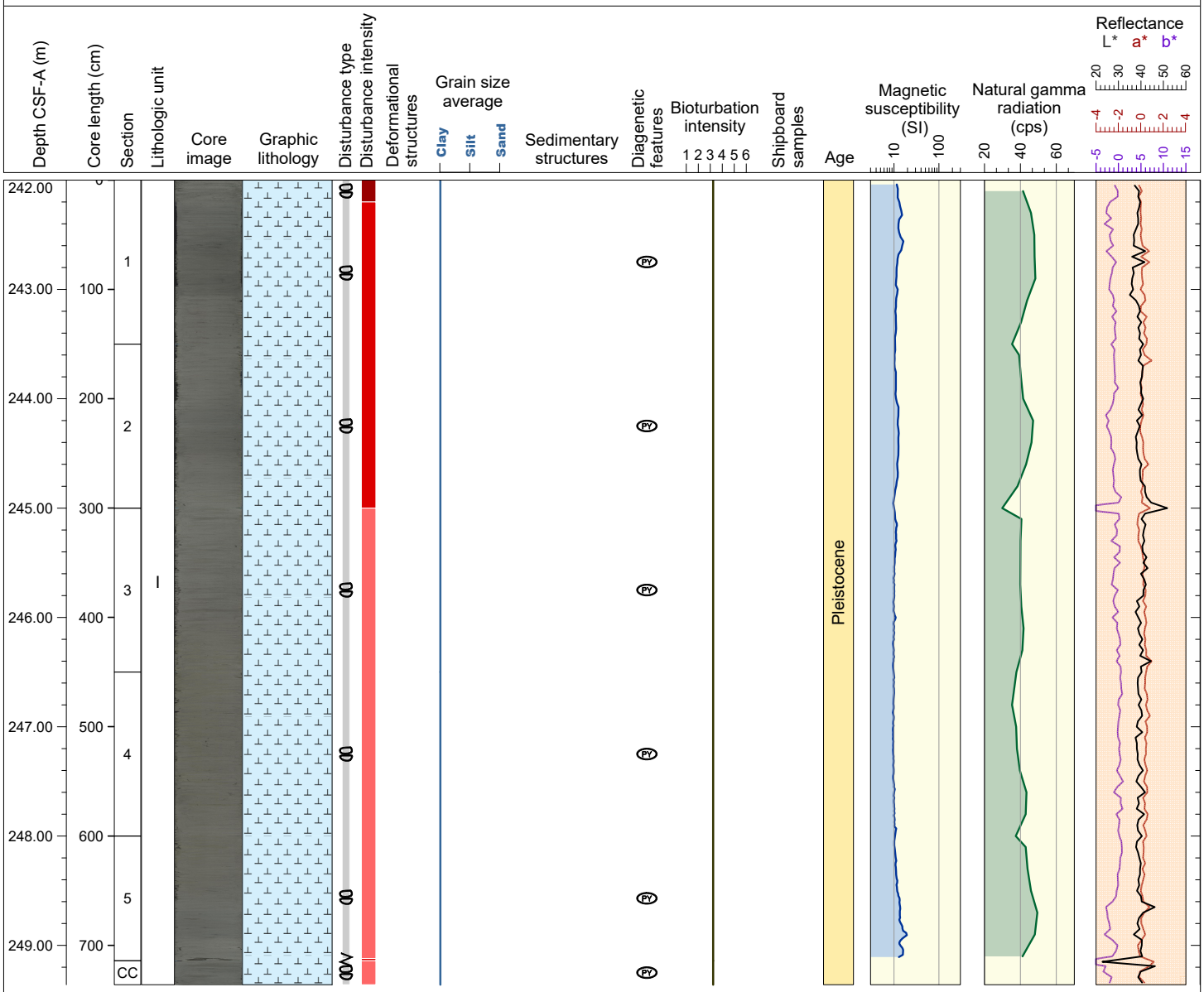
Hole 397-U1588D Core 42X, Interval 237.2-243.38 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight (Sections 2, 4, and CC) to moderate (Sections 1 &3), and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Rare macrofossils (shell fragments) are seen in Section 3. Top 5 cm of Section has strongly disturbed bedding, and 5-150 cm of Section is strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



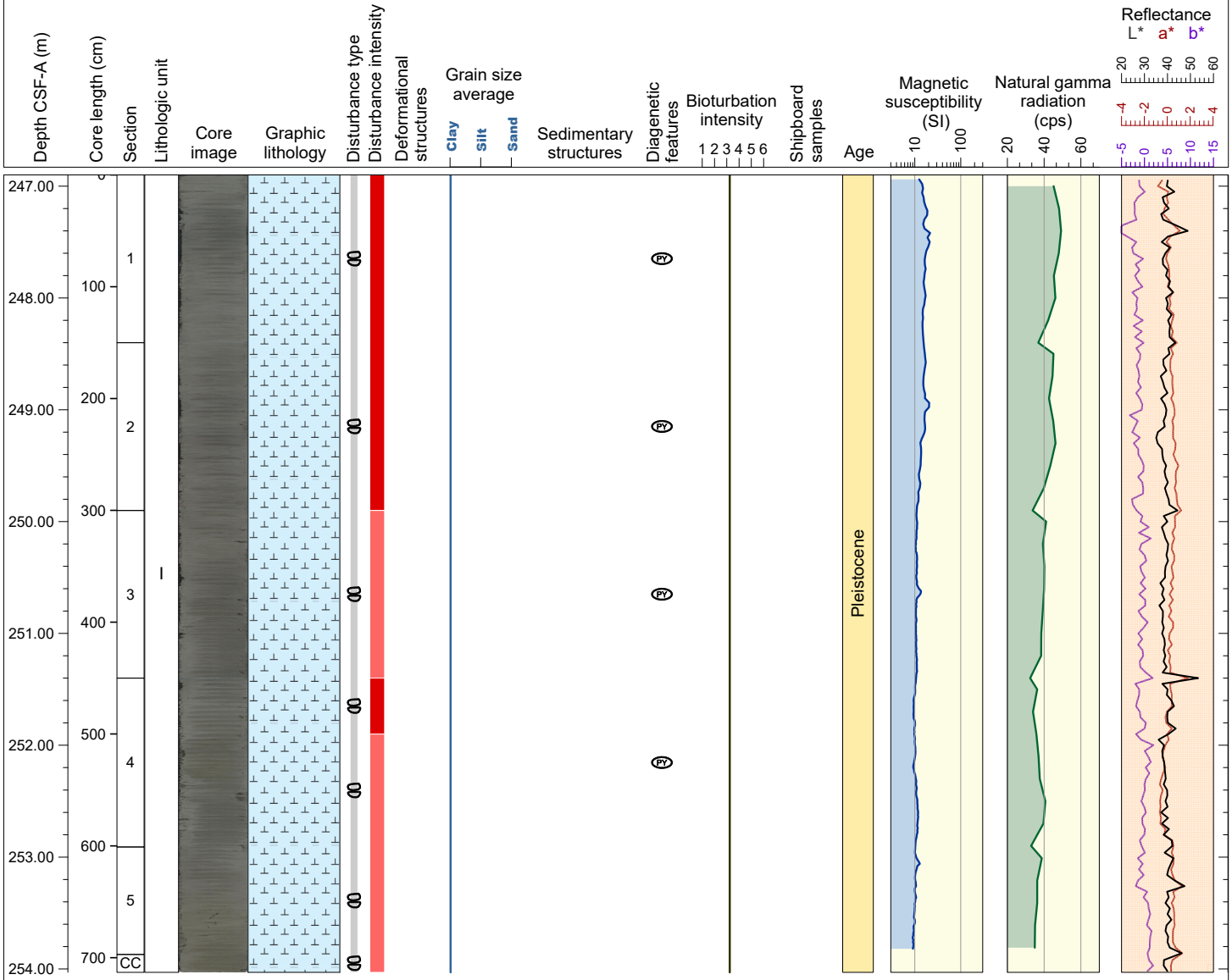
Hole 397-U1588D Core 43X, Interval 242.0-249.36 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Top 20 cm of Section 1 is severely disturbed by biscuiting, 20-150 cm of Section 1 and Section 2 are strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.



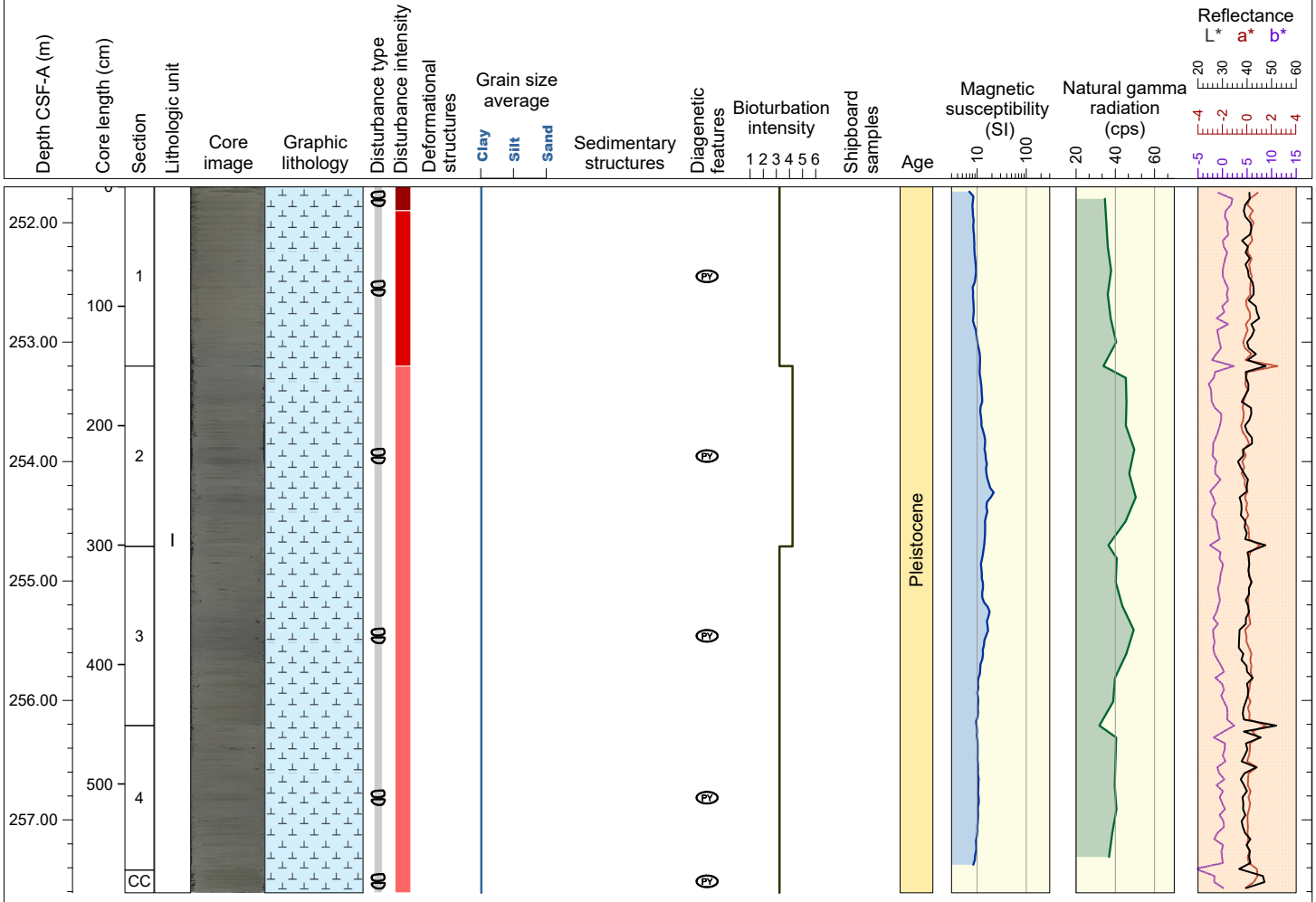
Hole 397-U1588D Core 44X, Interval 246.9-254.03 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur in Sections 1-4. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Rare macrofossils (shell fragments) are seen in Sections 1 and 3. Sections 1, 2, and 4 are strongly disturbed by biscuiting, and others are moderately disturbed by biscuiting.



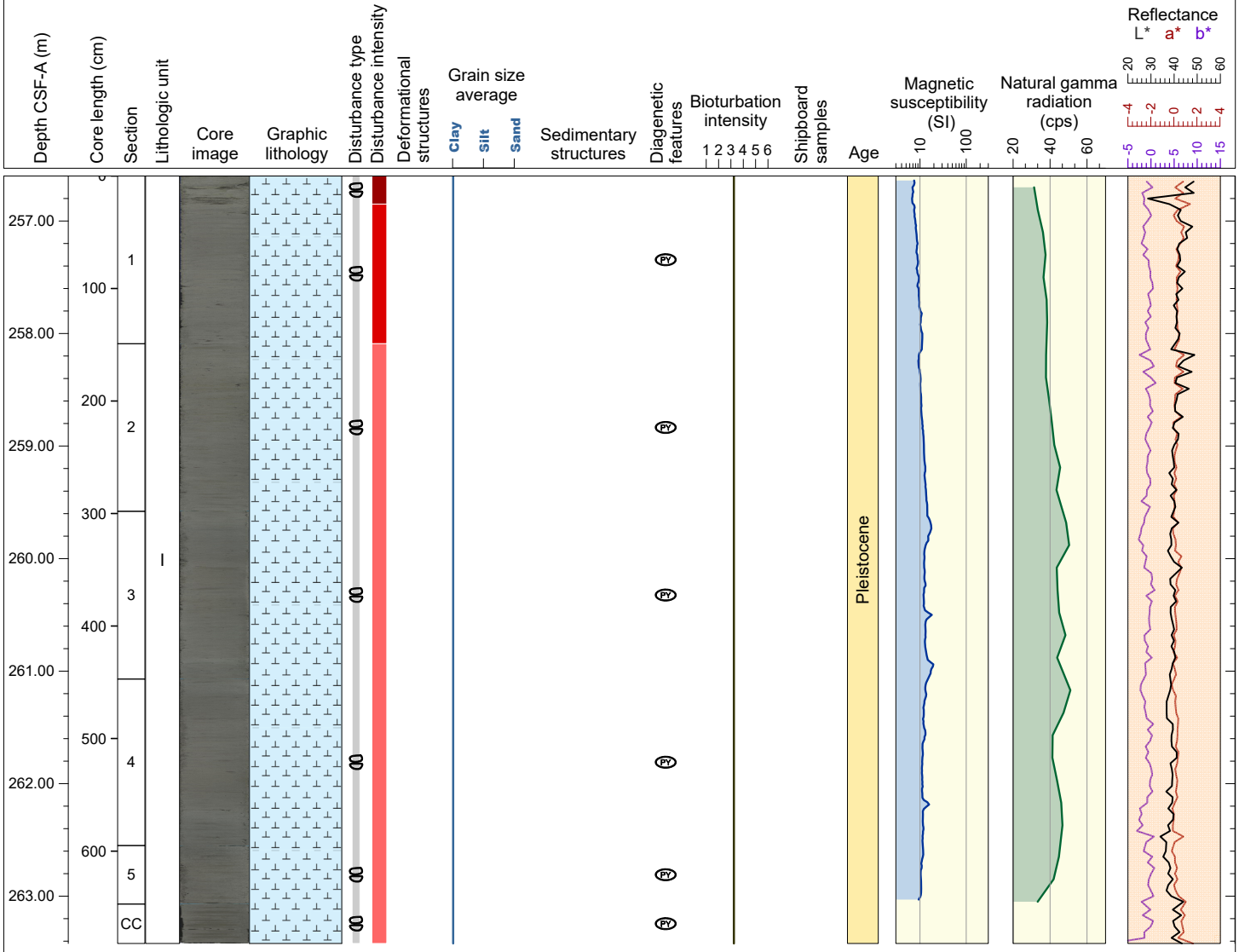
Hole 397-U1588D Core 45X, Interval 251.7-257.61 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is moderate in Section 2 and slight in other sections, and trace fossils including Chondrites Planolites and Thalassinoides are seen throughout. Top 20 cm and 20-150 cm of Section 1 are, respectively, severely and strongly disturbed by biscuiting, and other sections are moderately disturbed by biscuiting.



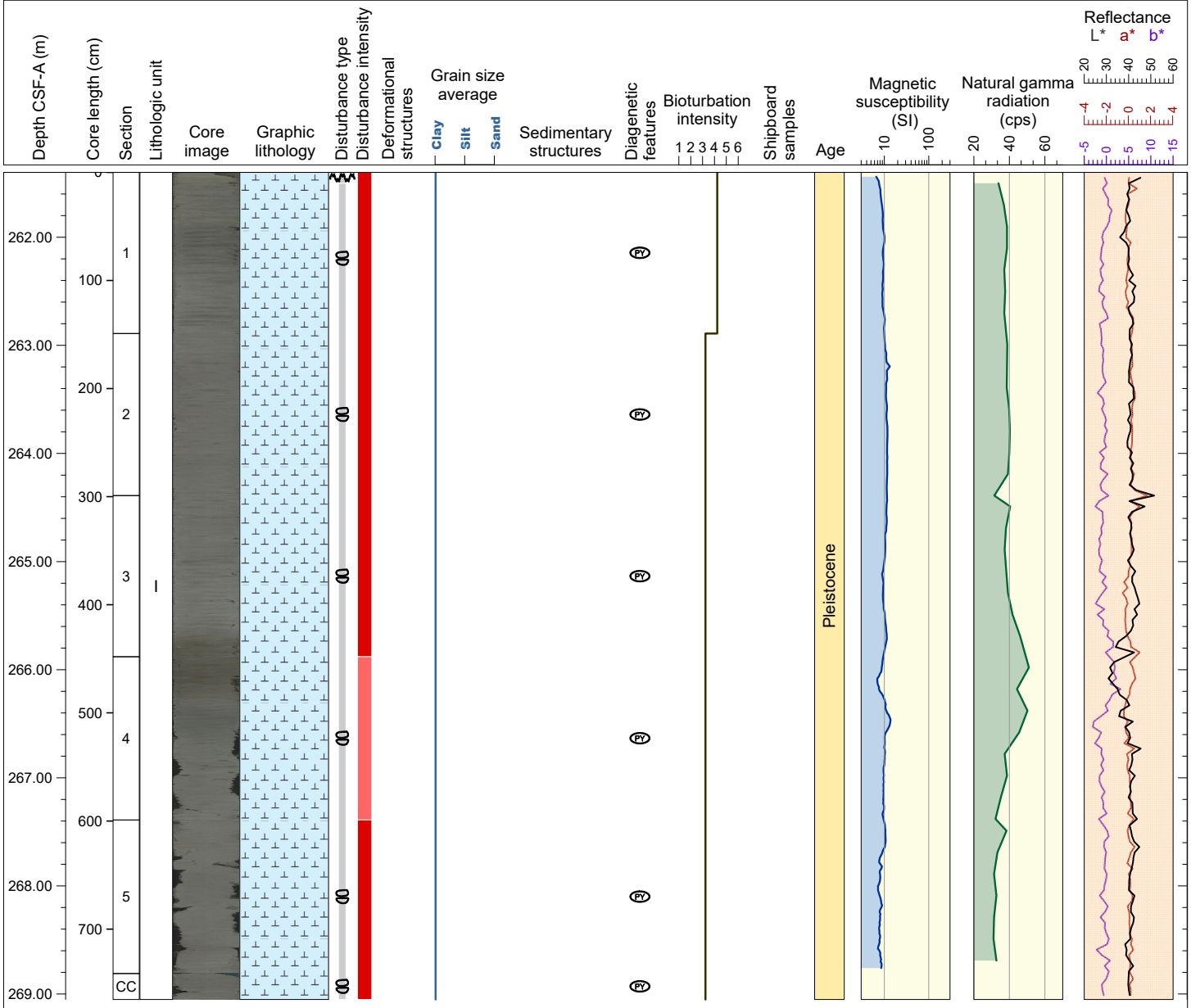
Hole 397-U1588D Core 46X, Interval 256.6-263.42 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Top 25 cm of Section 1 is severely disturbed, 25-149 cm of Section 1 is strongly disturbed, while all others are moderately disturbed, by biscuiting.



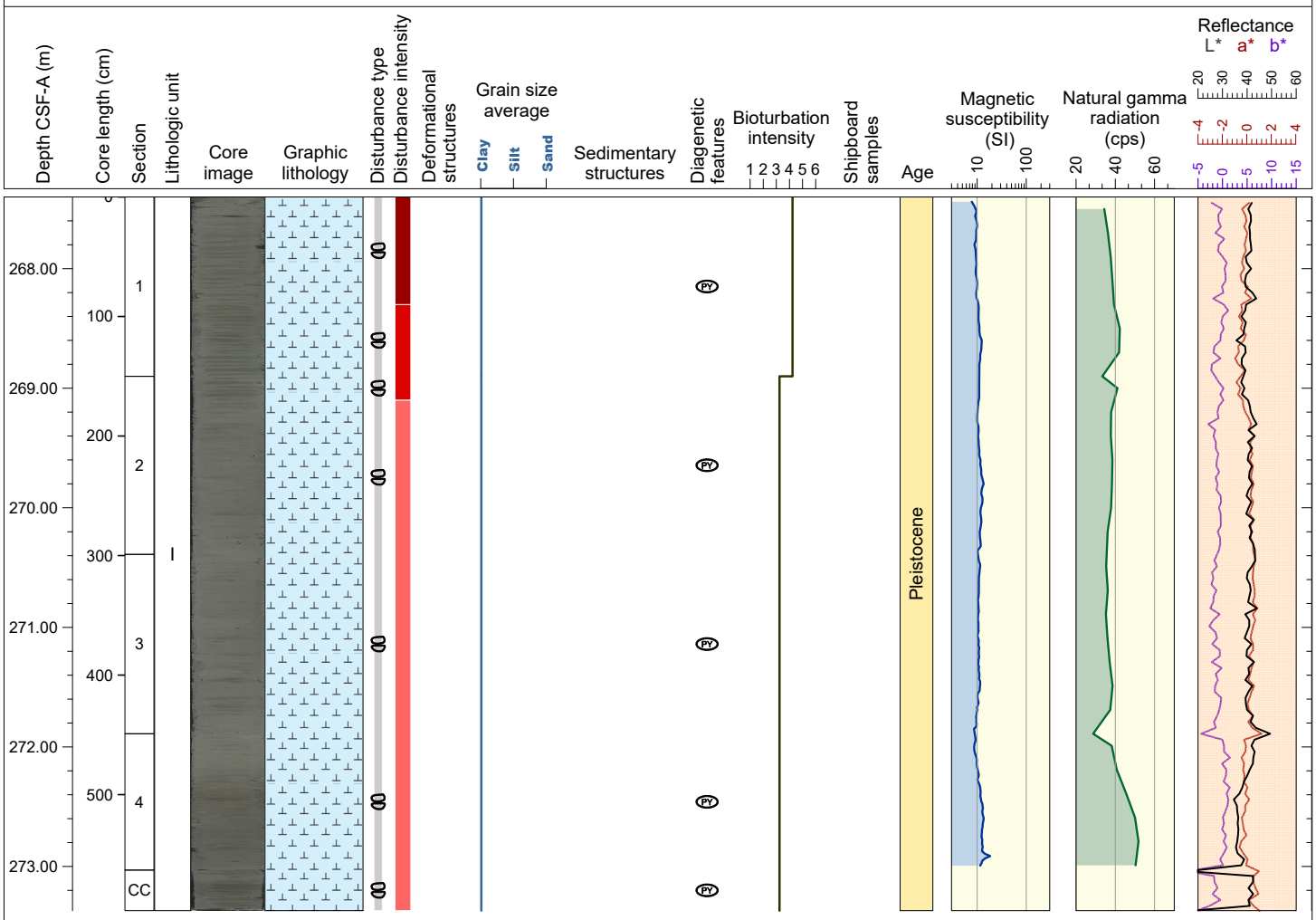
Hole 397-U1588D Core 47X, Interval 261.4-269.05 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is moderate in Section 1 and slight in others, and trace fossils including Chondrites and Thalassinoides are seen throughout. Top 10 cm of Section 1 has strongly disturbed bedding, Section 4 is moderately disturbed by biscuiting, and others are strongly disturbed by biscuiting.



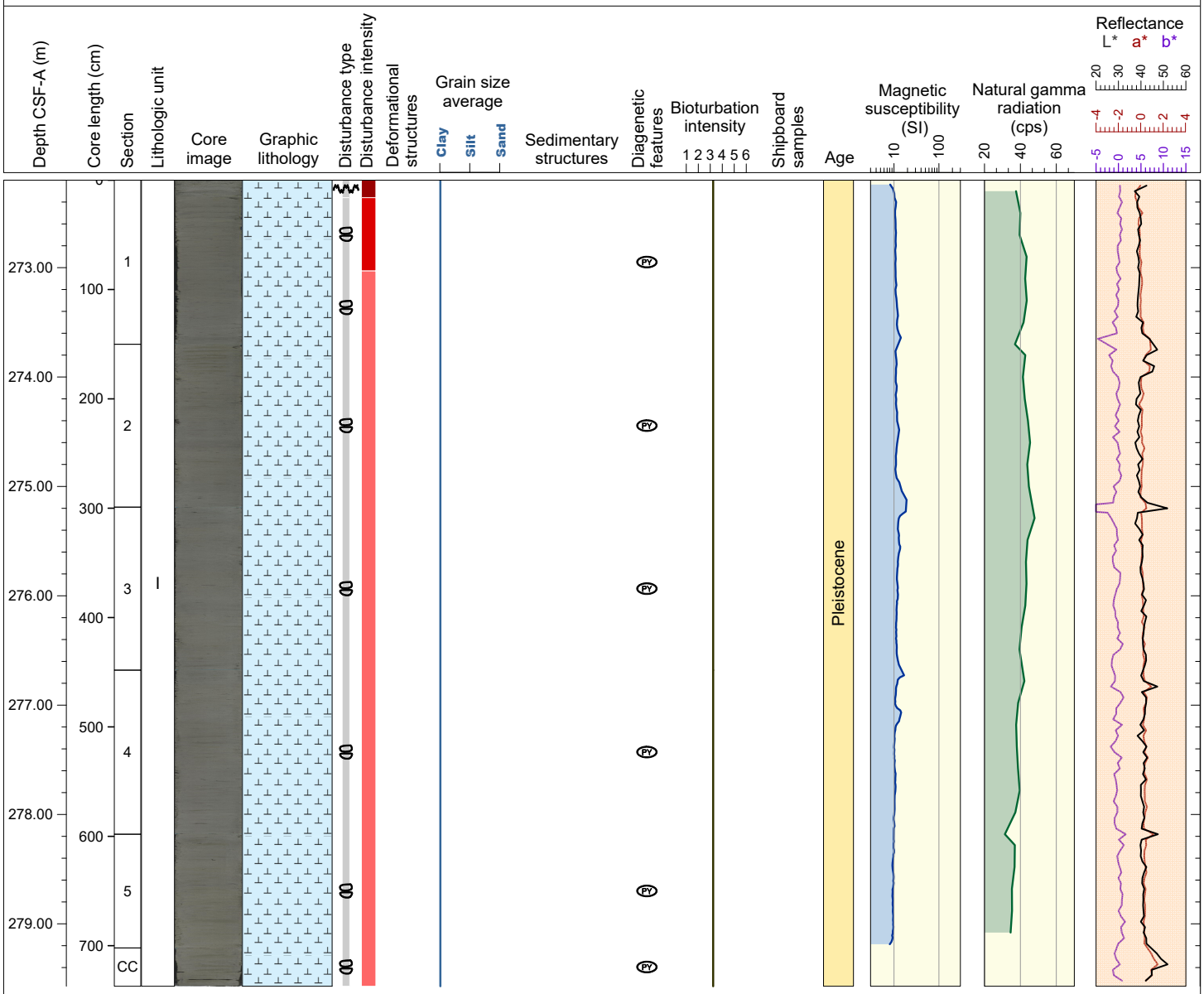
Hole 397-U1588D Core 48X, Interval 267.4-273.37 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is moderate in Section 1 and slight in others, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Top 90 cm of Section 1 is severely disturbed by biscuiting, 90-150 cm of Section 1 and 0-20 cm of Section 2 are strongly disturbed by biscuiting, and others are moderately disturbed by biscuiting.



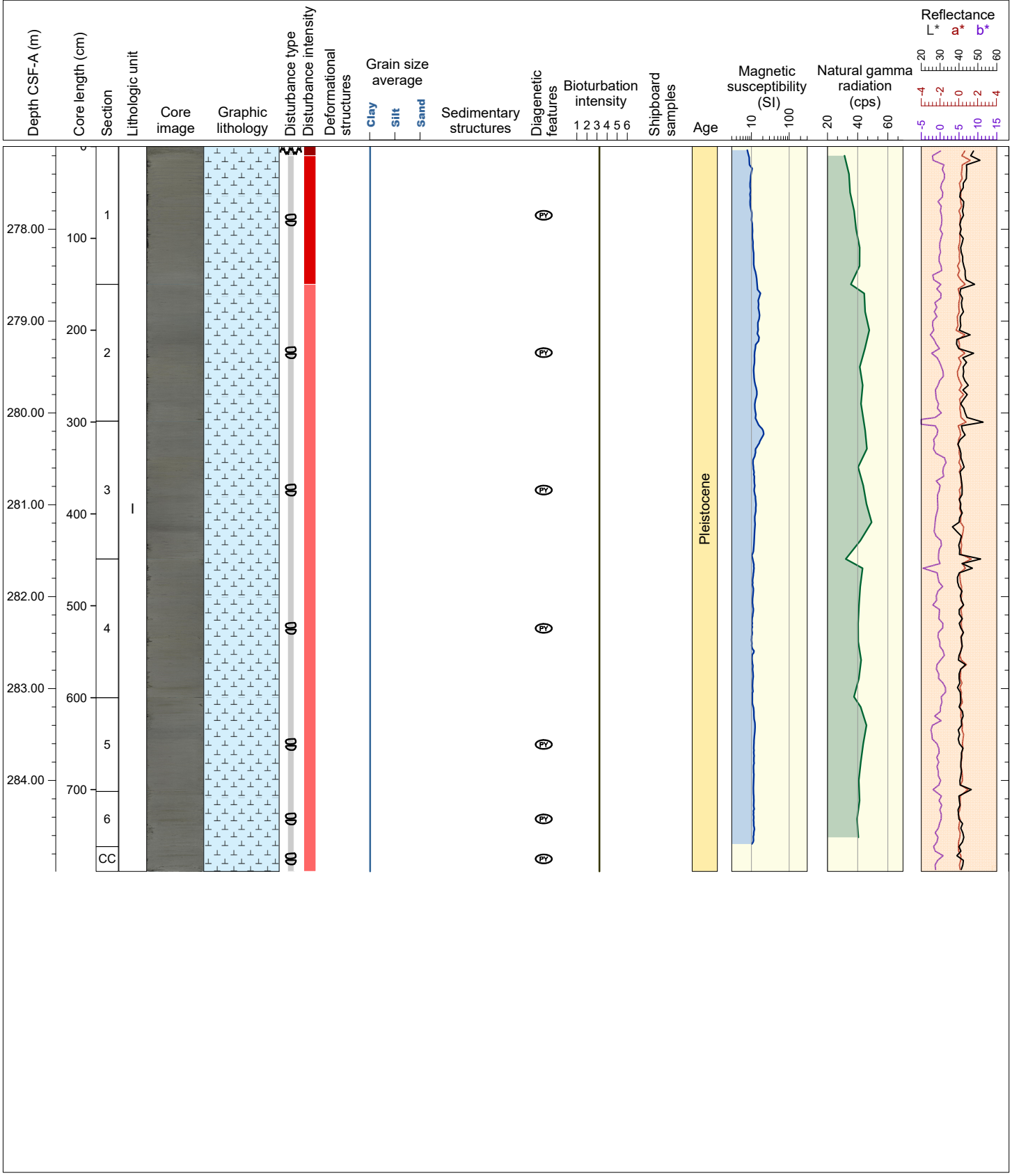
Hole 397-U1588D Core 49X, Interval 272.2-279.57 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Top 16 cm of Section1 is severely disturbed, 16-83 cm of Section is strongly disturbed, and others are moderately disturbed, all by biscuiting.



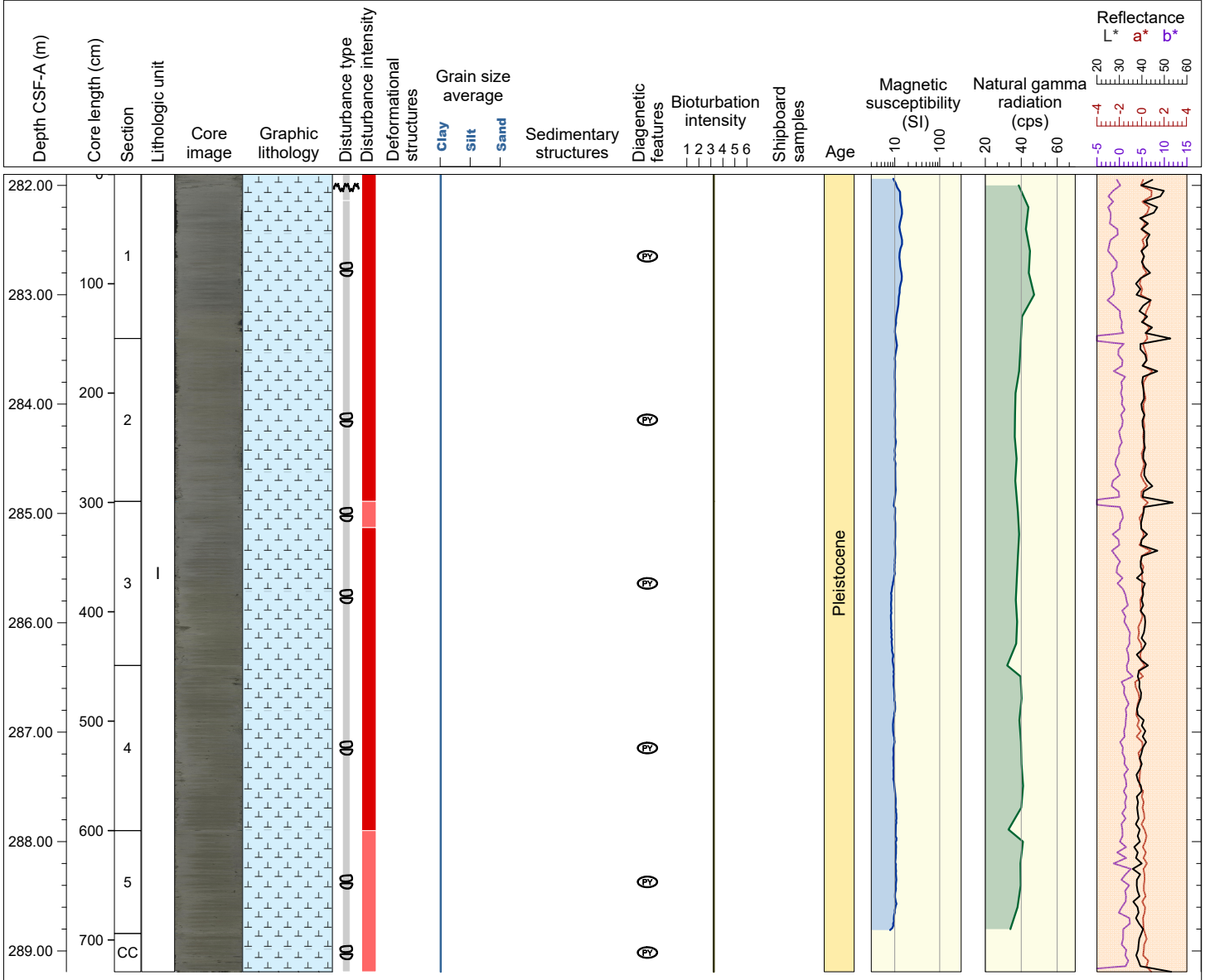
Hole 397-U1588D Core 50X, Interval 277.1-284.99 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Top 10 cm of Section has severely disturbed bedding, 10-150 cm of Section is strongly disturbed by biscuiting, and others are moderately disturbed by biscuiting.



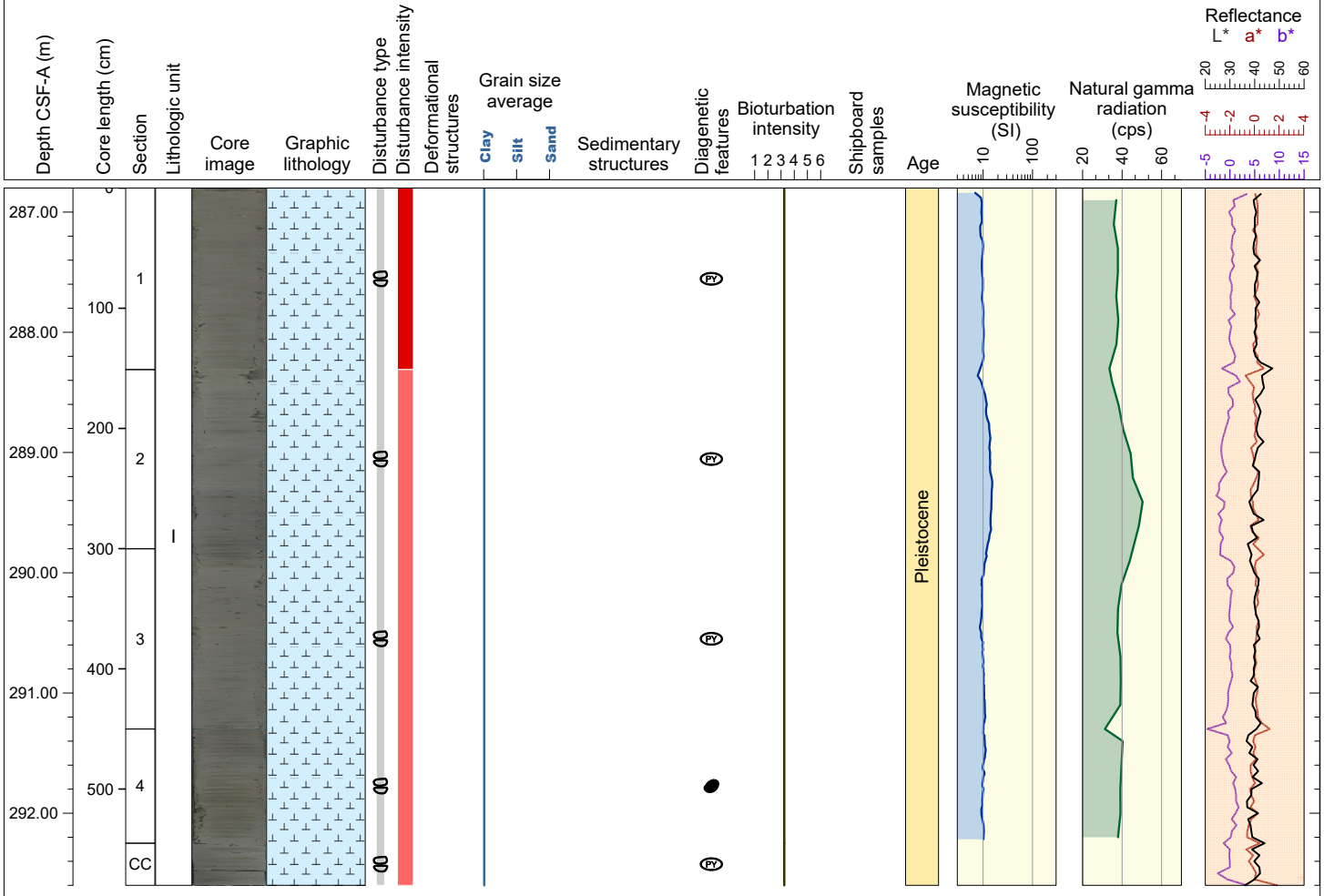
Hole 397-U1588D Core 51X, Interval 281.9-289.19 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Top 24 cm has strongly disturbed bedding, 24-150 cm of Section 1 and Sections 2,3,4 are strongly disturbed by biscuiting, and others are moderately disturbed by biscuiting.



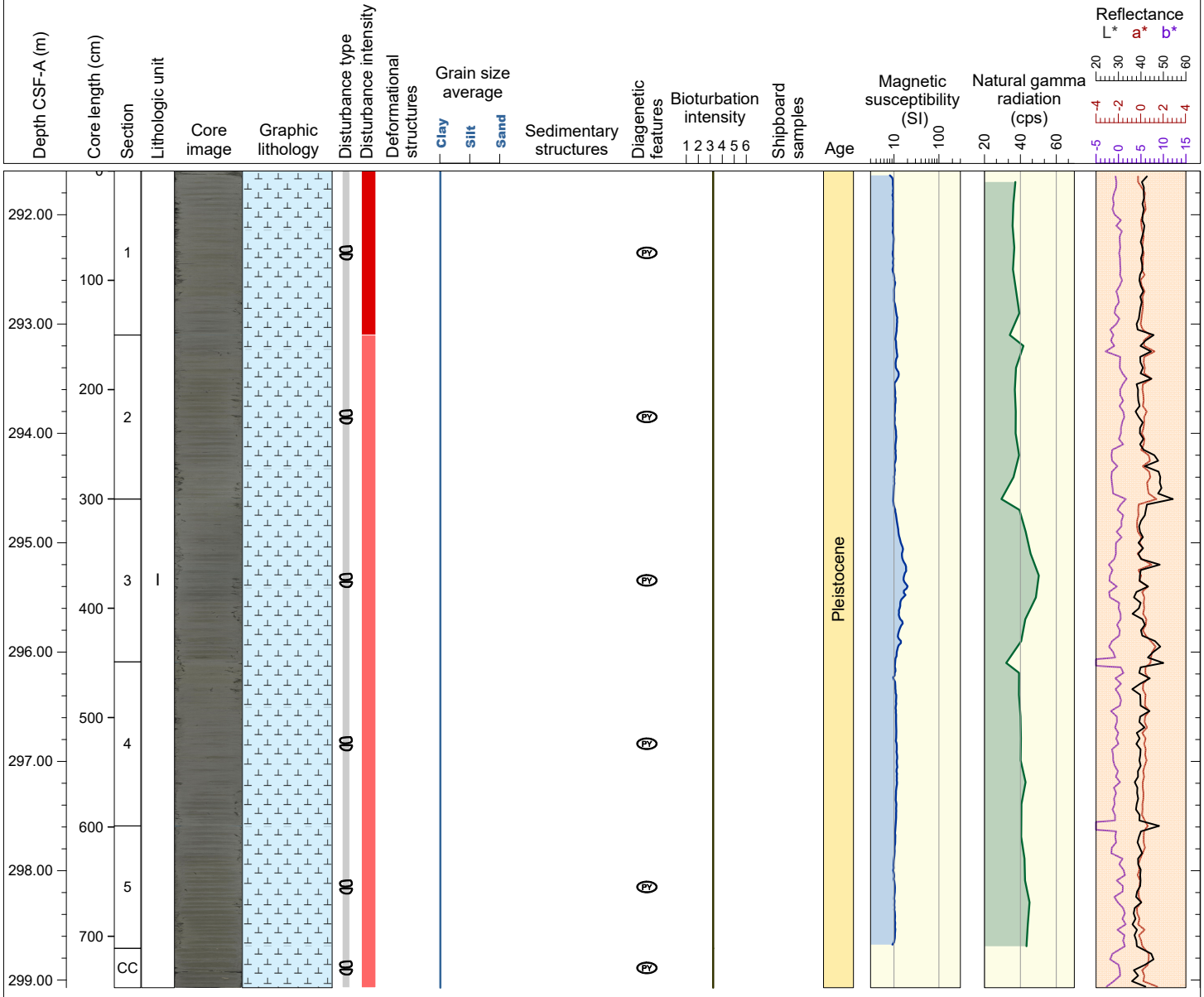
Hole 397-U1588D Core 52X, Interval 286.8-292.6 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites, and Thalassinoides are seen throughout. Section 1 is strongly disturbed by biscuiting, and others are moderately disturbed by biscuiting.



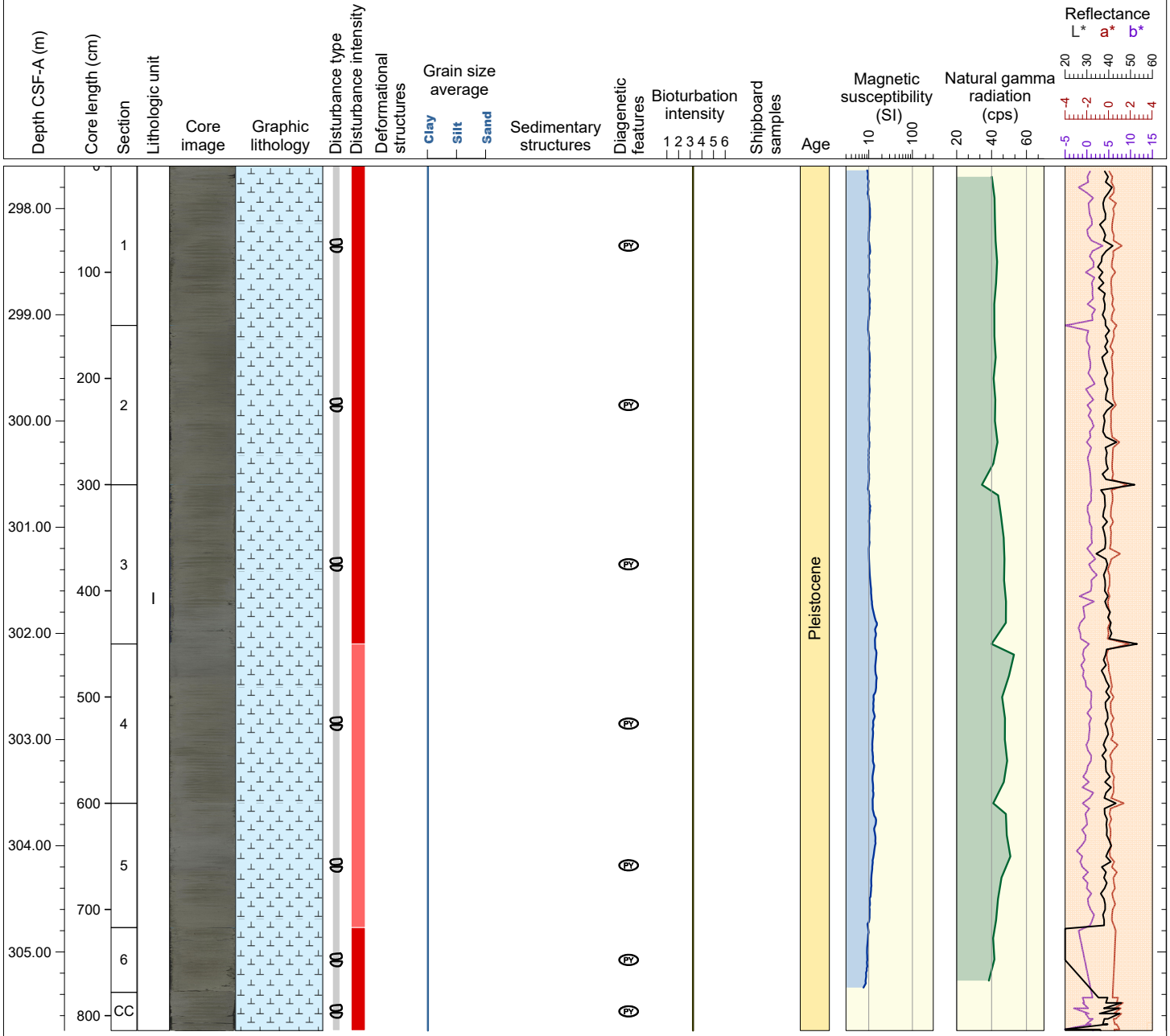
Hole 397-U1588D Core 53X, Interval 291.6-299.07 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Rare macrofossils (shells and shell fragments) are seen in Sections 4 and CC. Section 1 is strongly disturbed by biscuiting, and other sections are moderately disturbed by biscuiting.



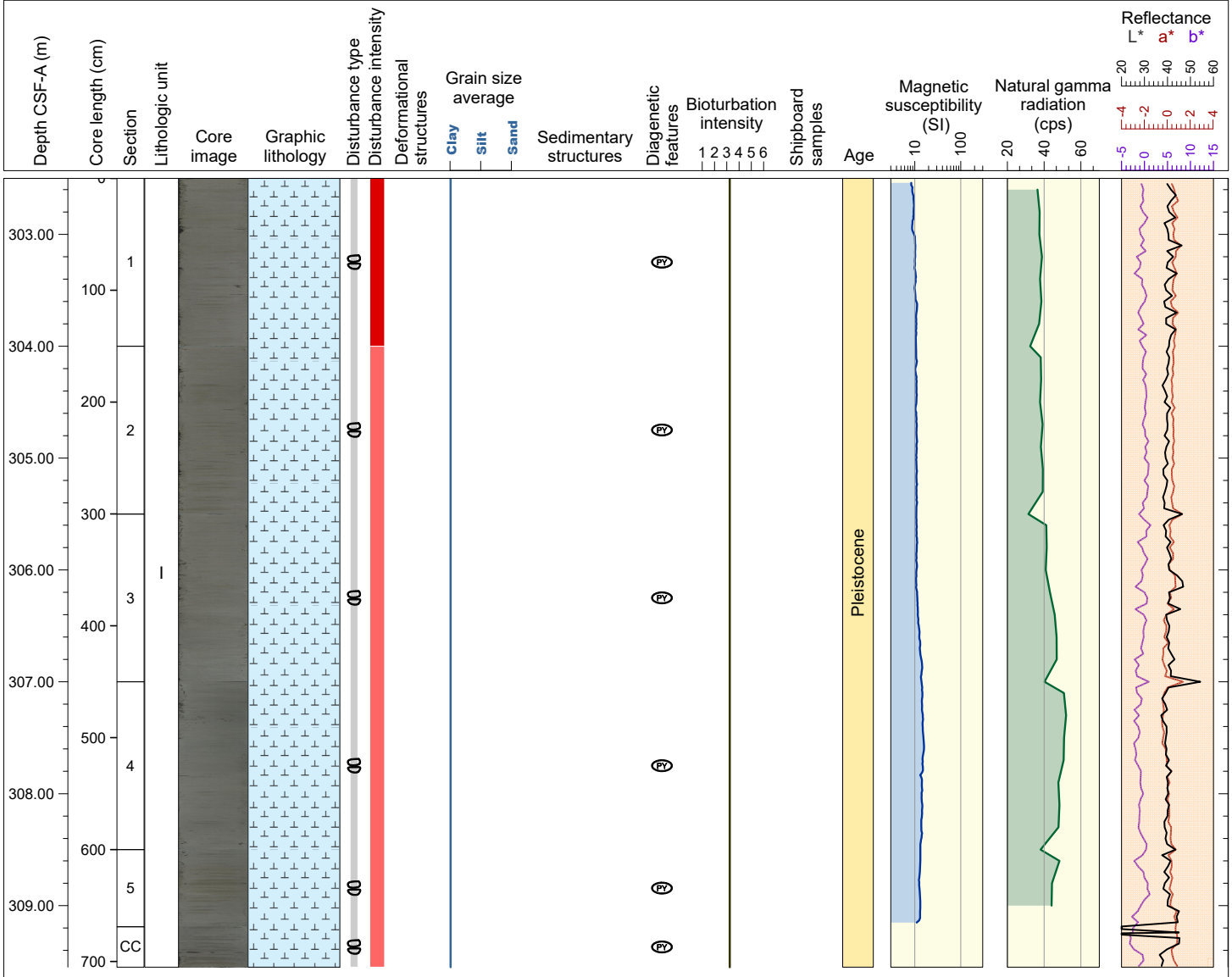
Hole 397-U1588D Core 54X, Interval 297.6-305.74 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Sections 4 and 5 are moderately disturbed, and others are strongly disturbed, all by biscuiting.



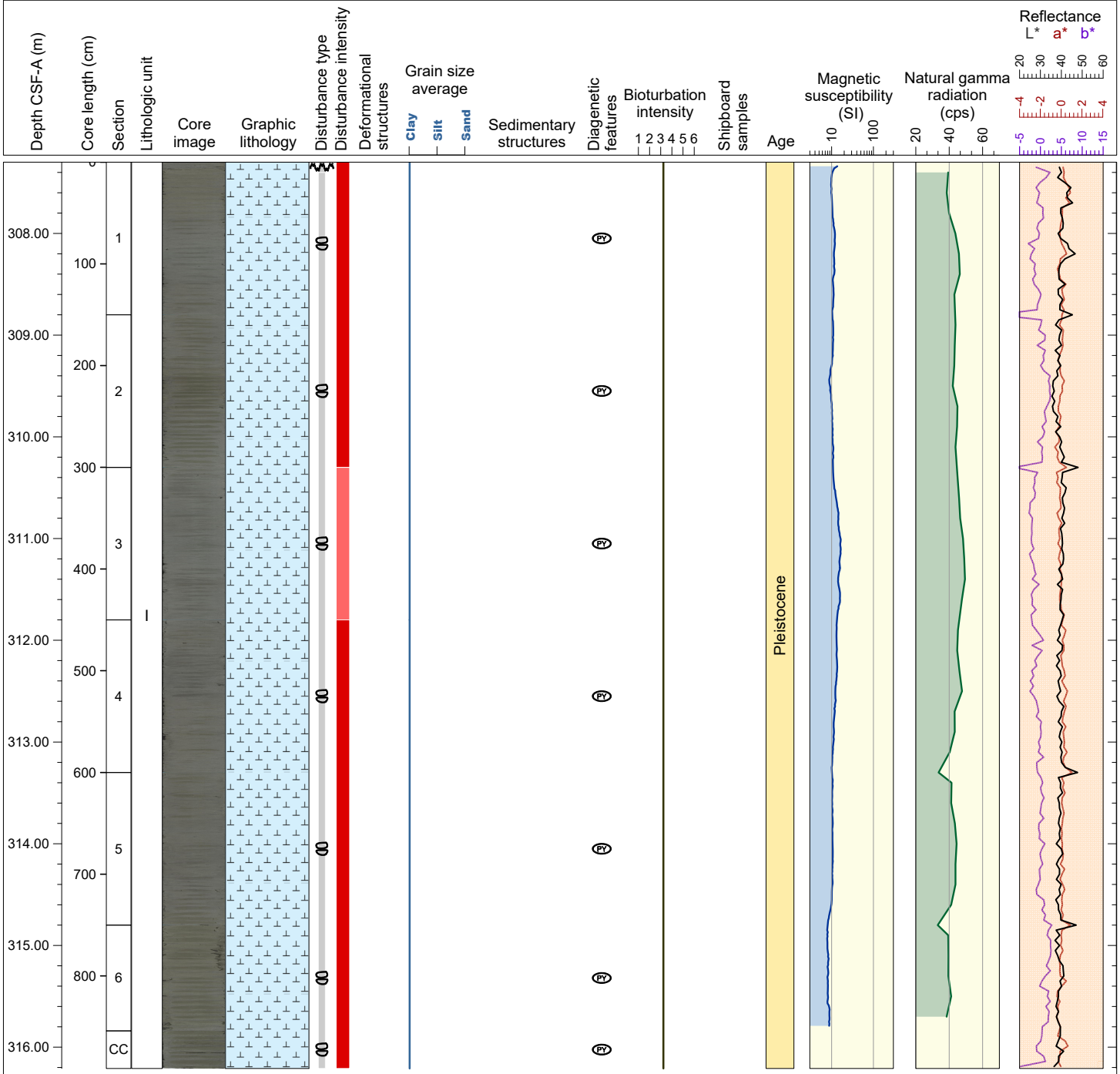
Hole 397-U1588D Core 55X, Interval 302.5-309.55 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Section is strongly disturbed by biscuiting, and other sections are moderately disturbed by biscuiting.



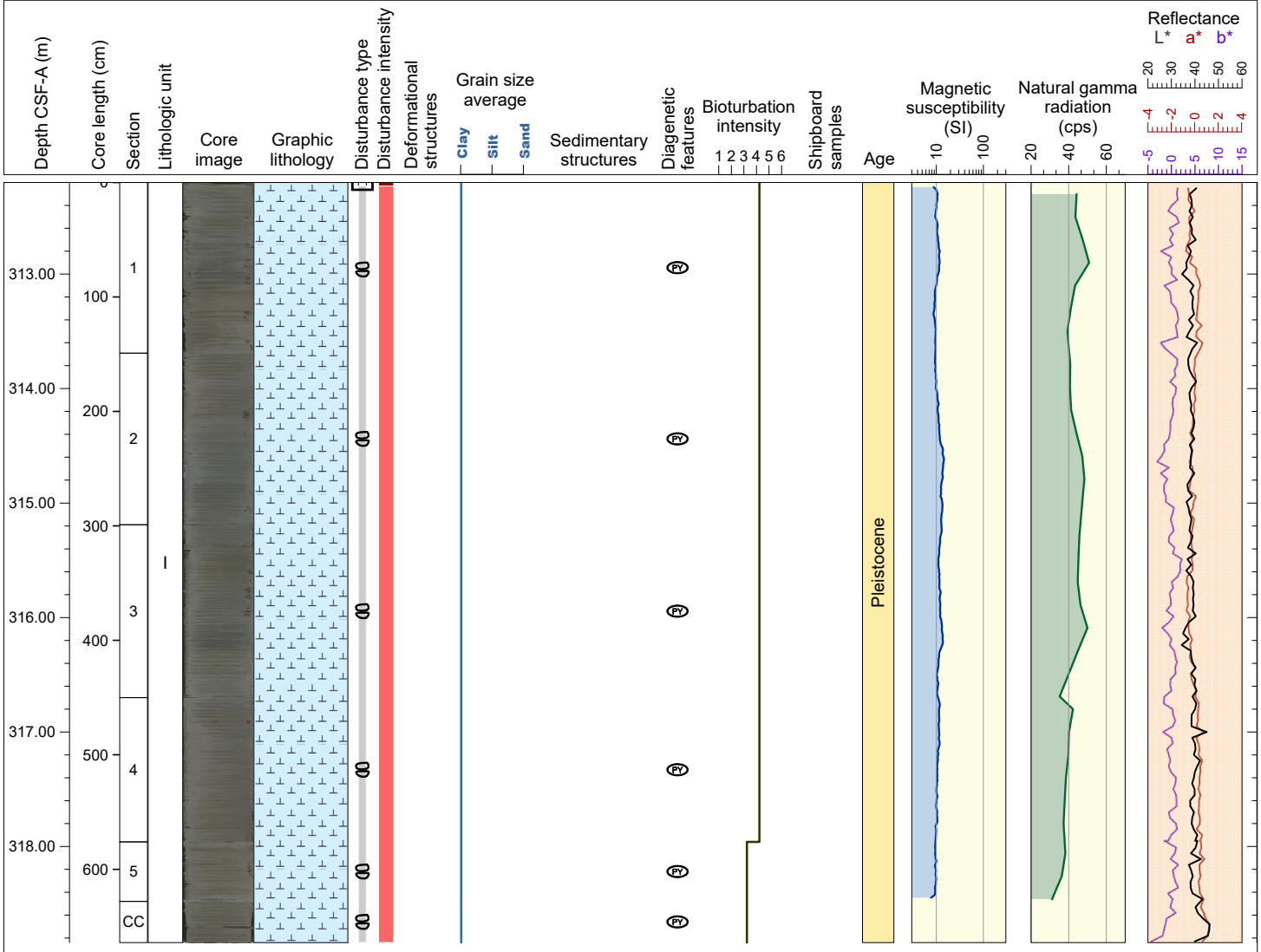
Hole 397-U1588D Core 56X, Interval 307.3-316.21 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The uppermost 10 cm of Section 1 has strongly disturbed bedding, and the remaining sections are moderately to strongly disturbed by biscuiting.



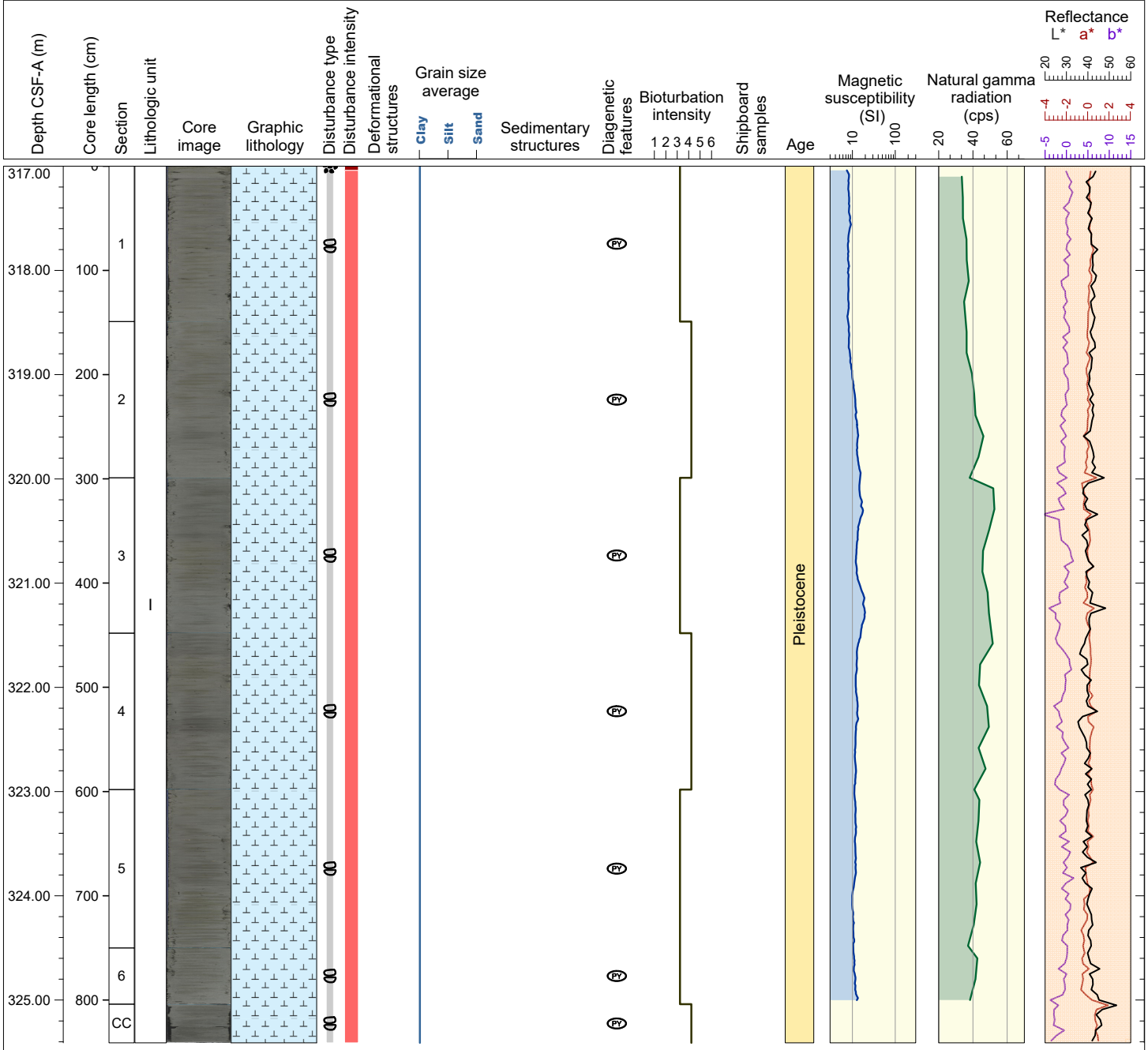
Hole 397-U1588D Core 57X, Interval 312.2-318.84 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The uppermost 3 cm of Section 1 has a severely disturbed void, and the remaining sections are moderately disturbed by biscuiting.



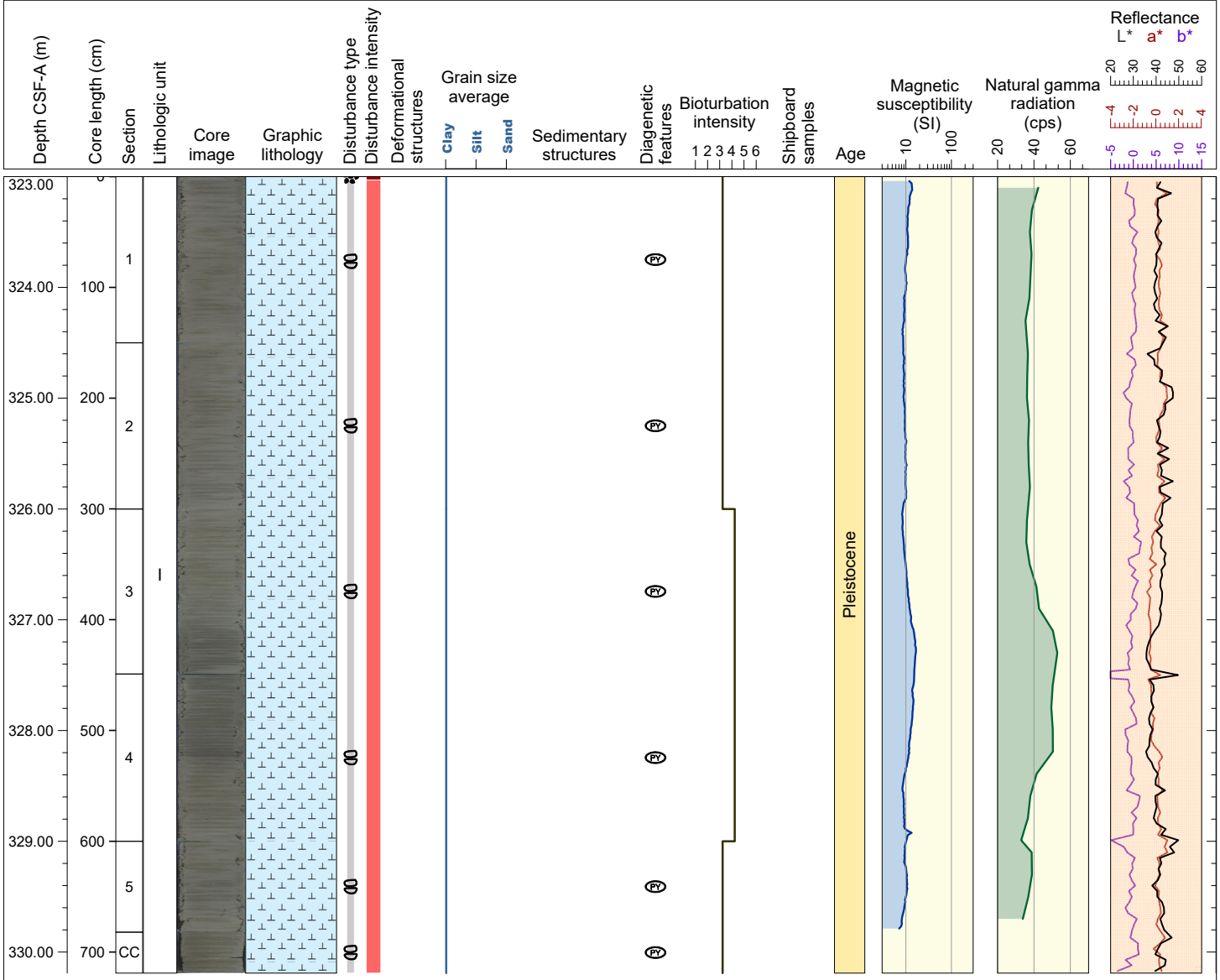
Hole 397-U1588D Core 58X, Interval 317.0-325.41 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites and Thalassinoides are seen throughout. The trace fossil Ophiomorpha is also observed in Section 6. The top 0-4 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



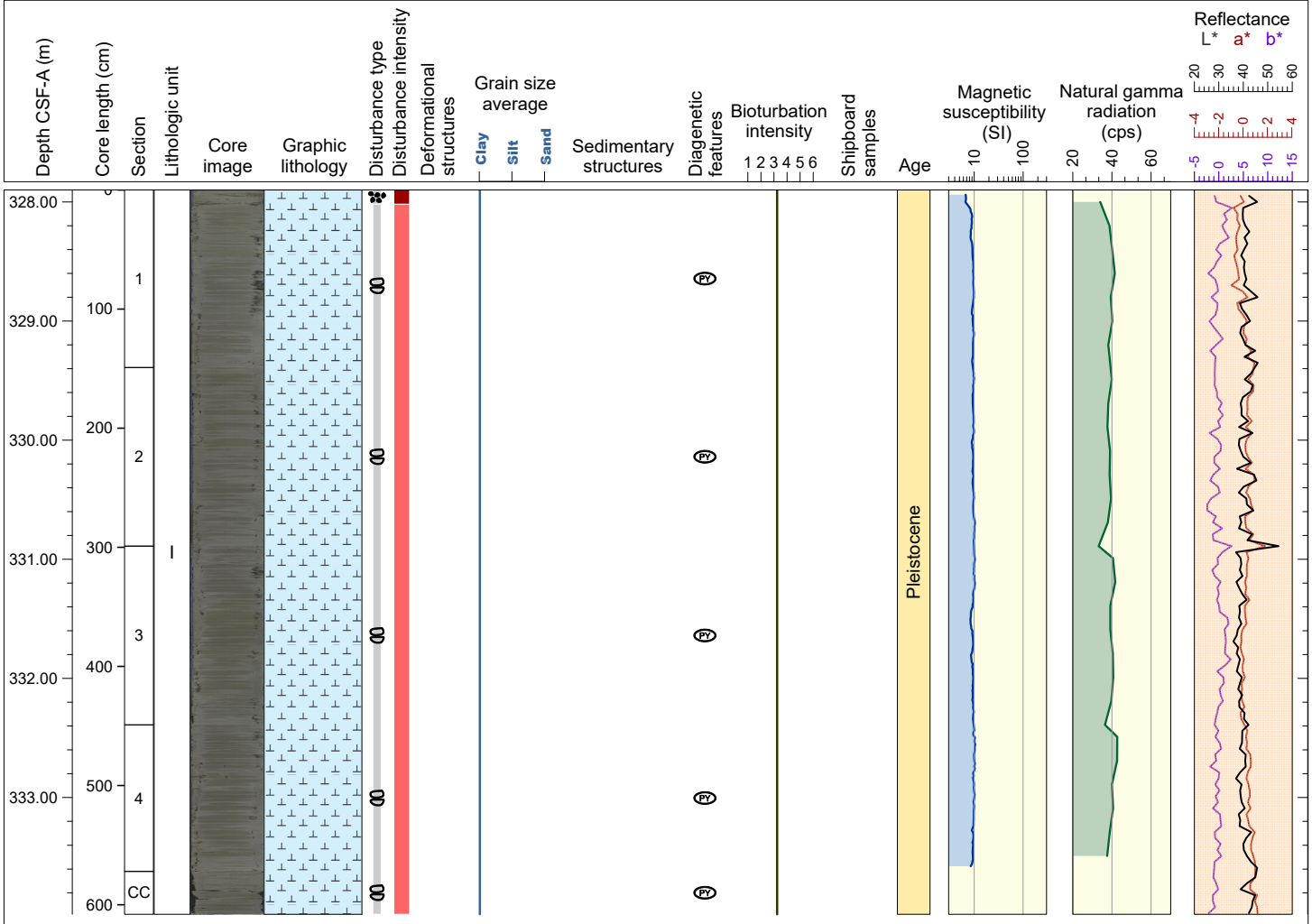
Hole 397-U1588D Core 59X, Interval 323.0-330.19 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites and Thalassinoides are seen throughout. The top 0-3 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



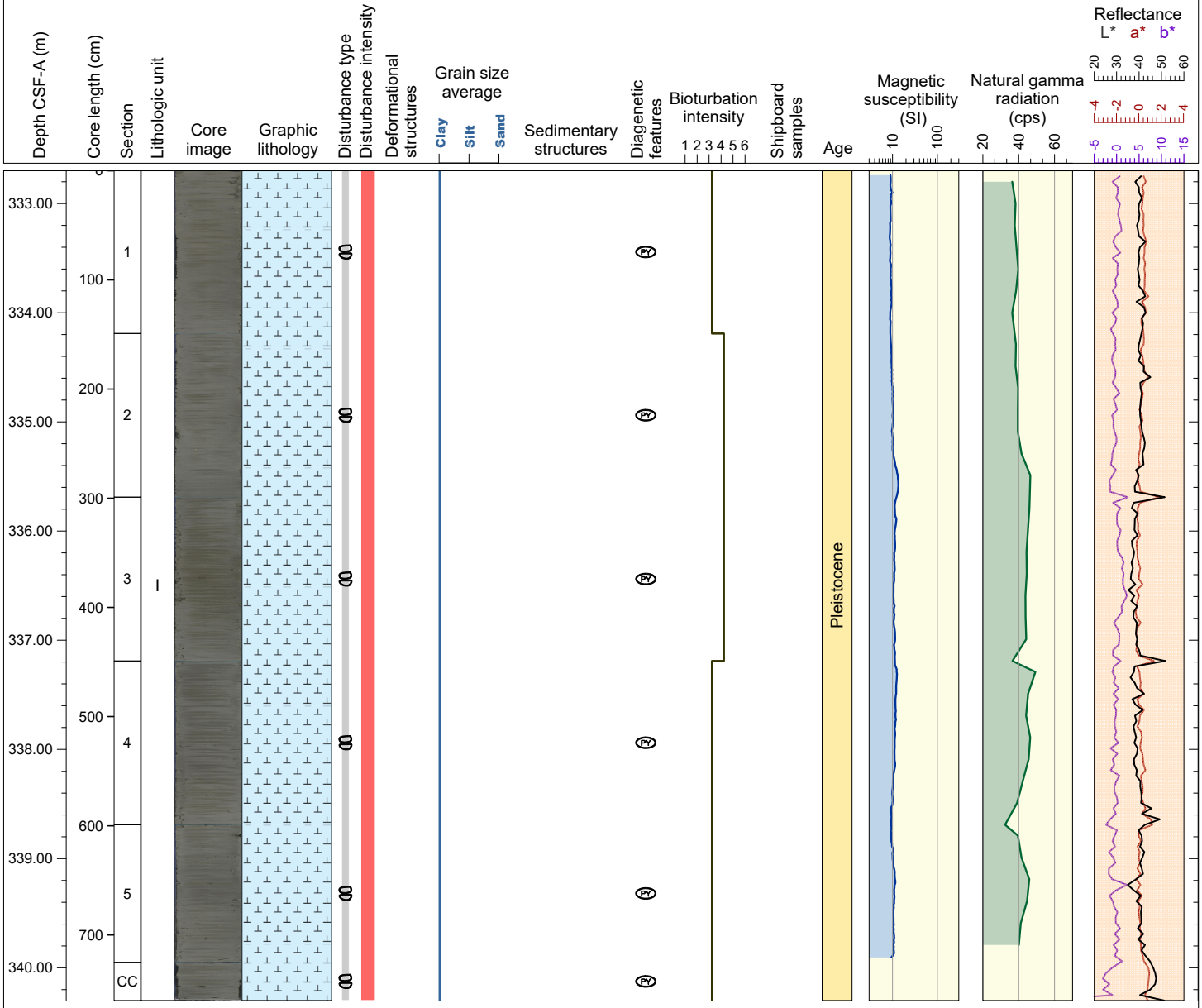
Hole 397-U1588D Core 60X, Interval 327.9-333.98 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seen throughout. The top 0-12 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



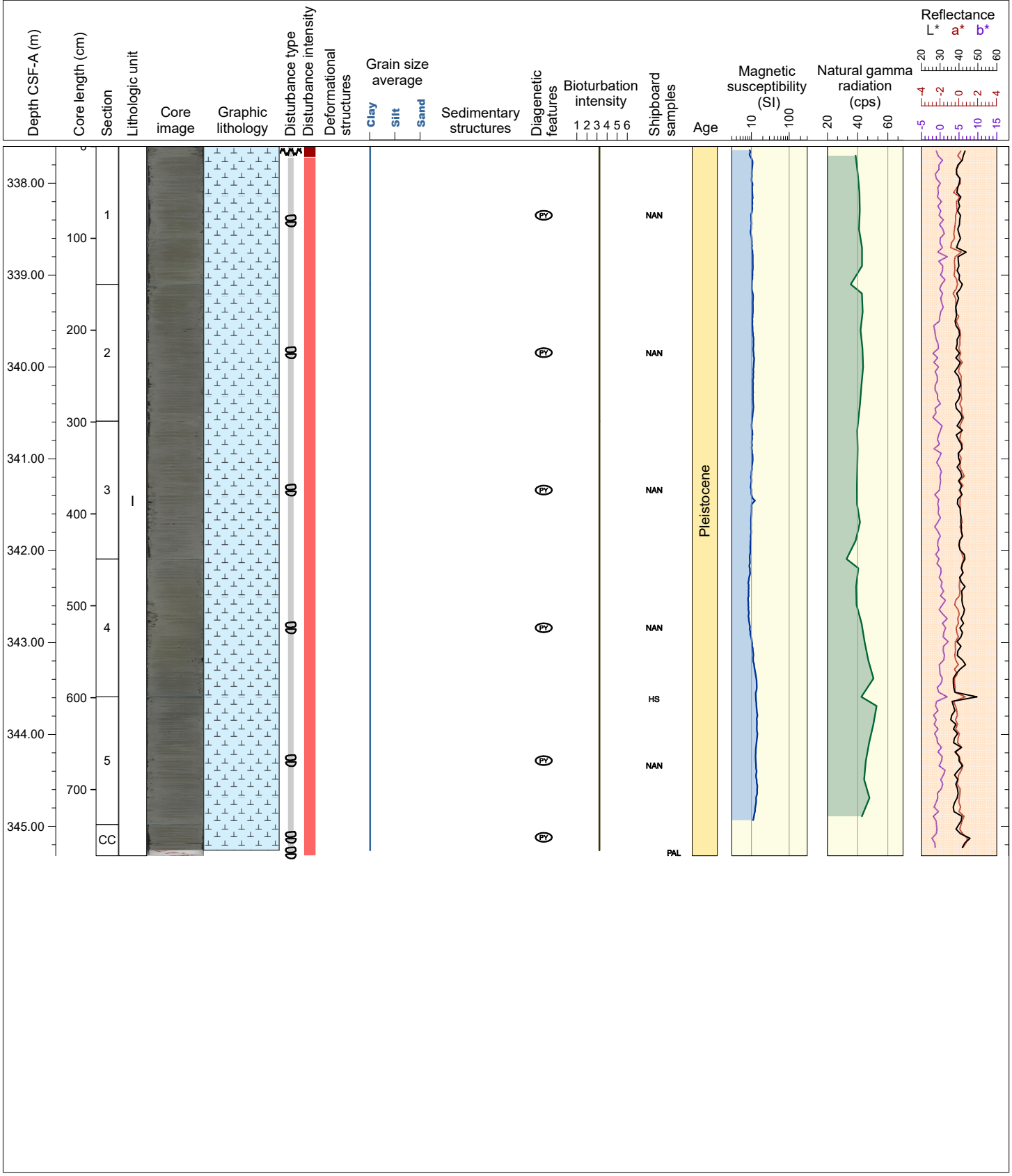
Hole 397-U1588D Core 61X, Interval 332.7-340.3 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites and Thalassinoides are seen throughout. The entire core is moderately disturbed by biscuiting.



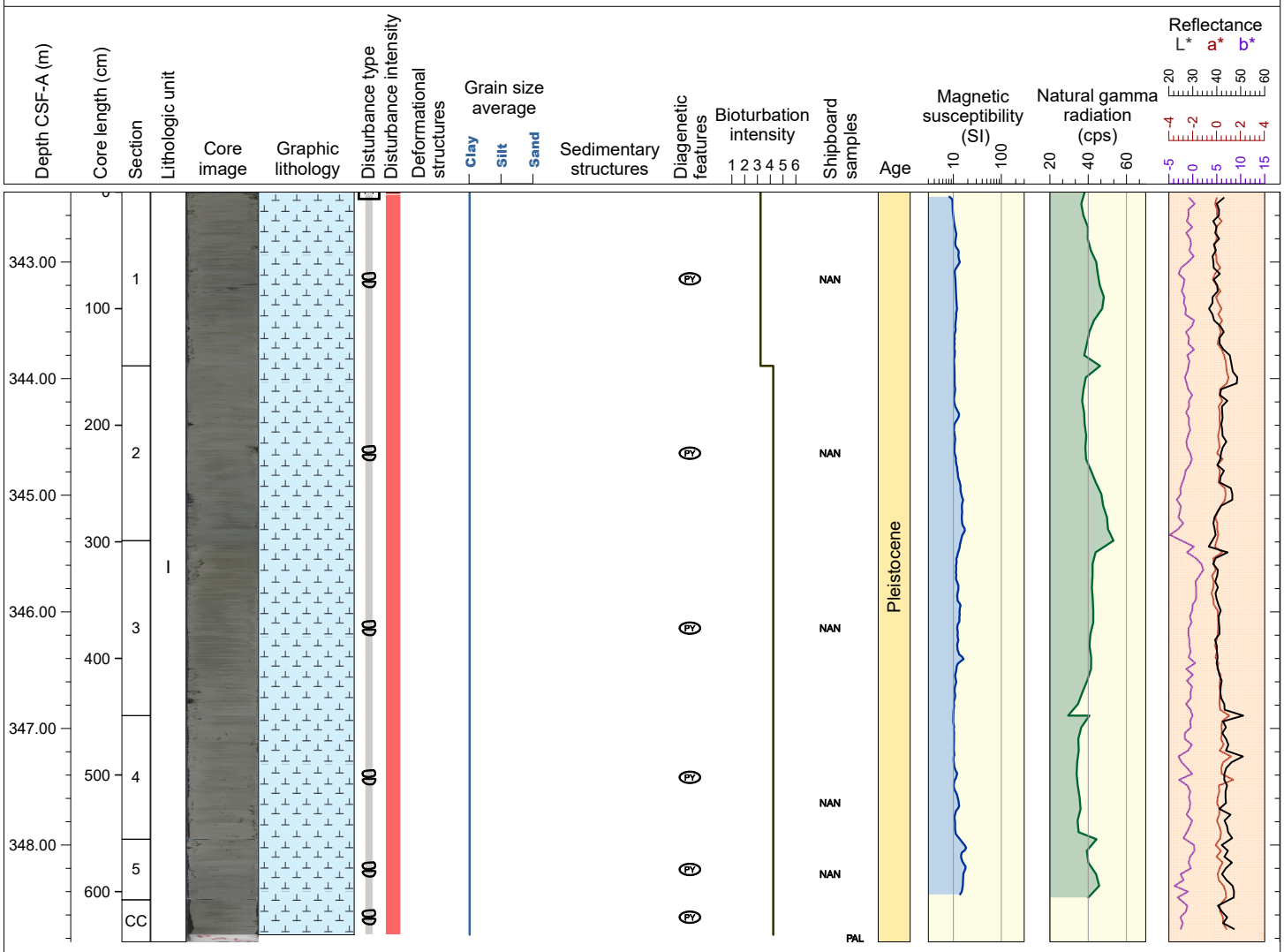
Hole 397-U1588D Core 62X, Interval 337.6-345.32 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seen throughout. The uppermost 12 cm of Section 1 has severely disturbed bedding, and the remaining sections are moderately disturbed by biscuiting.



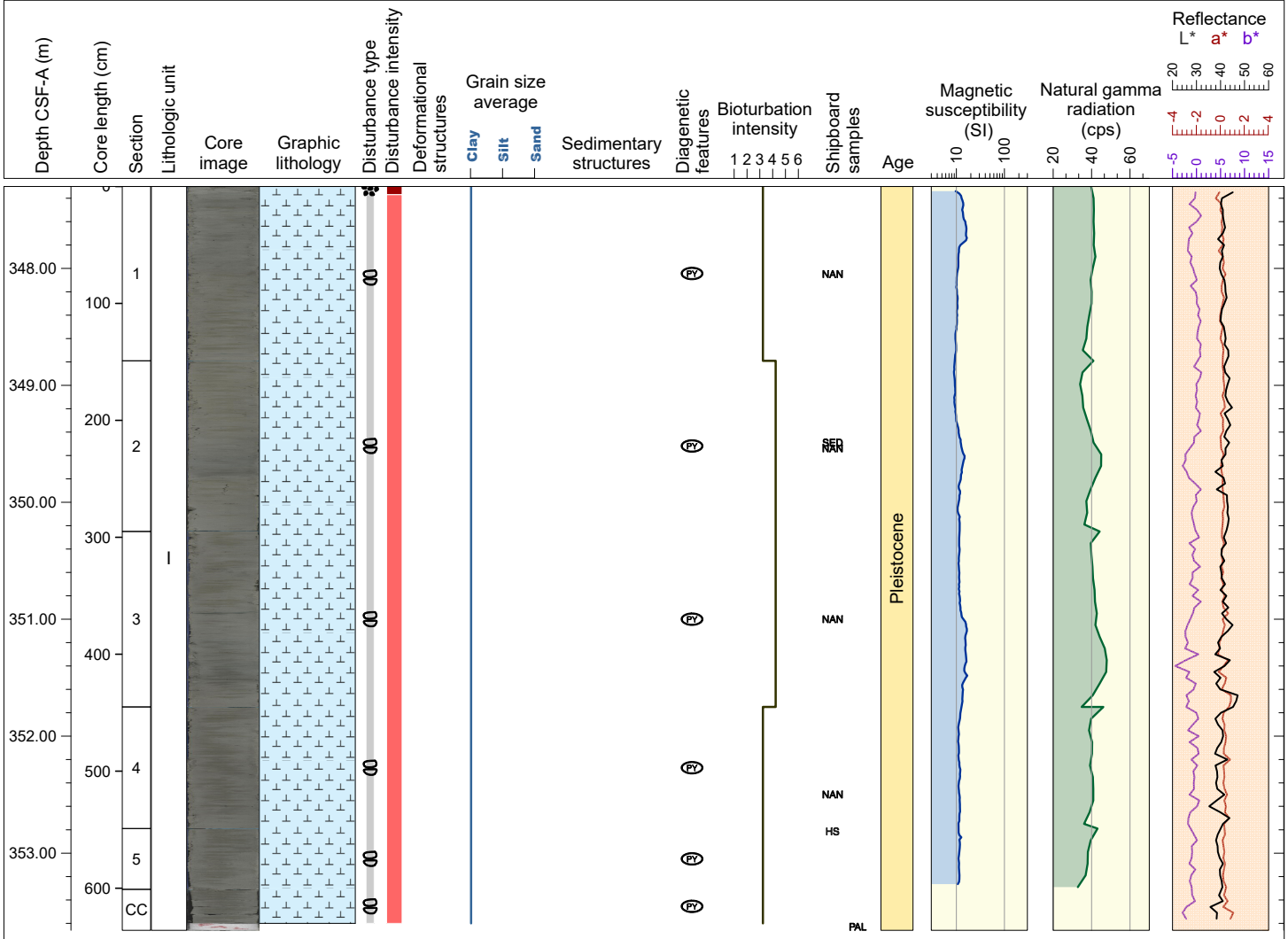
Hole 397-U1588D Core 63X, Interval 342.4-348.83 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seen throughout. A macrofossil coral occurs at 3-4 cm in Section 1. The uppermost 2 cm of Section 1 has a severely disturbed void, and the remaining sections are moderately disturbed by biscuiting.



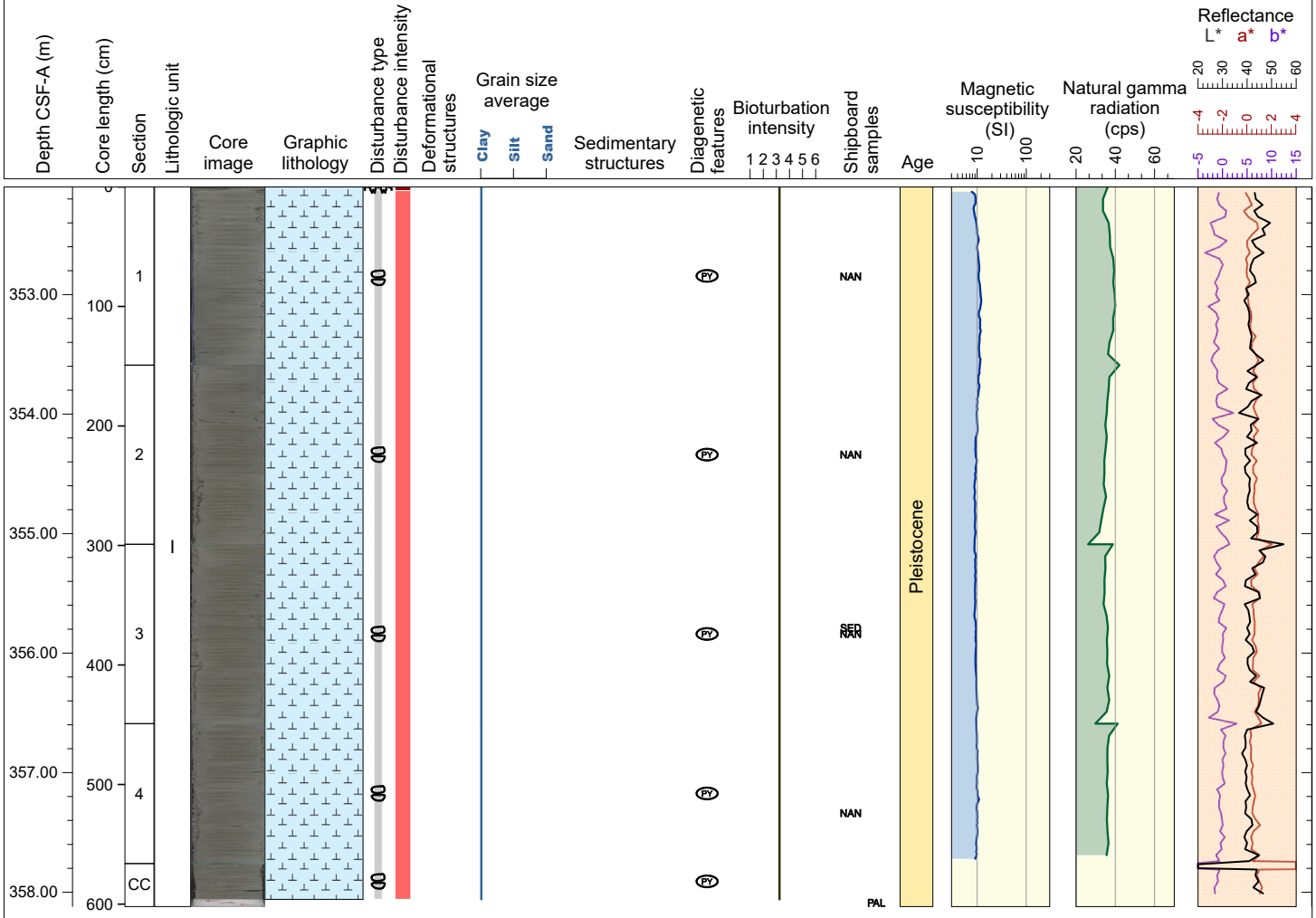
Hole 397-U1588D Core 64X, Interval 347.3-353.66 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The top 0-7 cm of Section 1 is severely disturbed by fall-in, and the rest of the core is moderately disturbed by biscuiting.



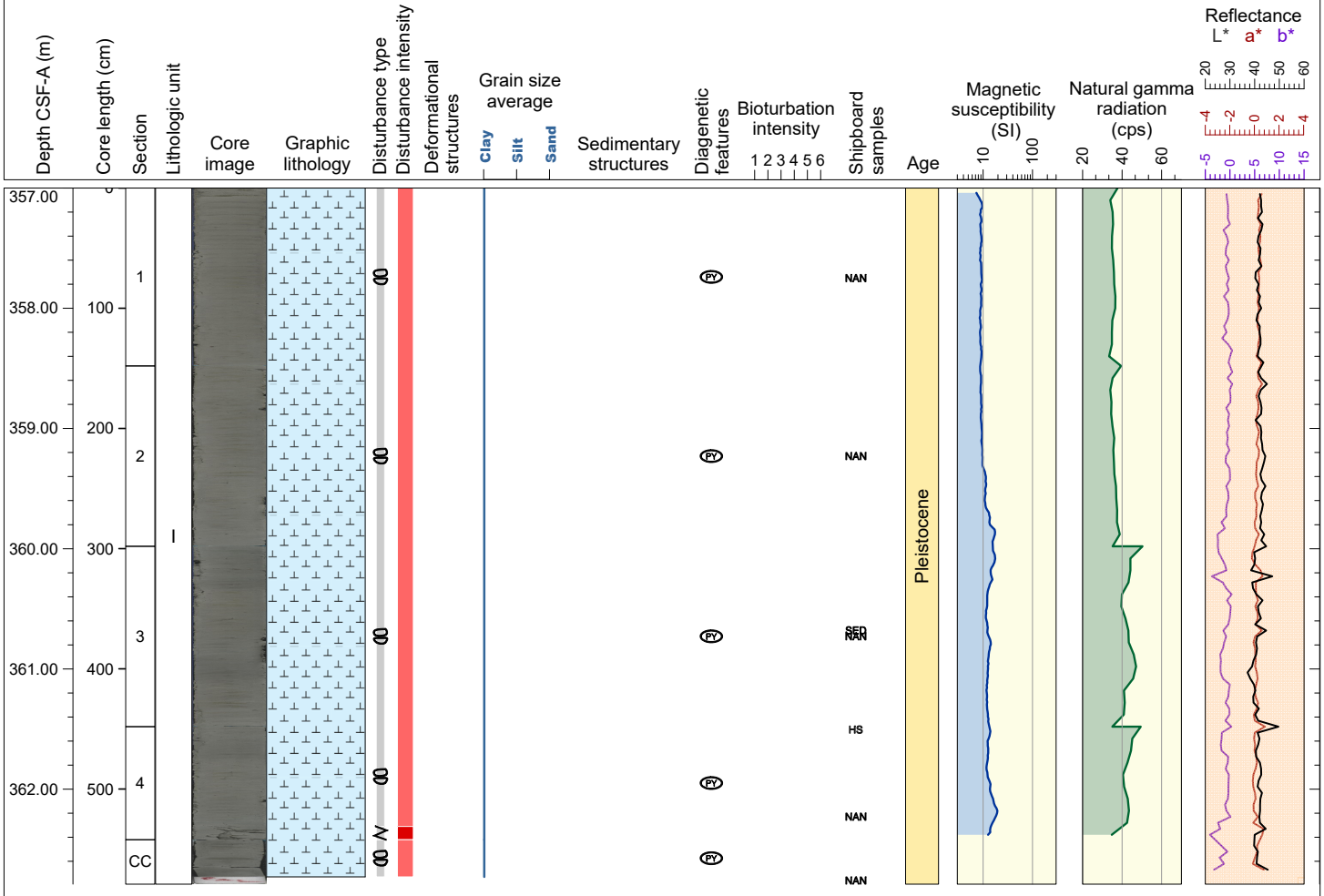
Hole 397-U1588D Core 65X, Interval 352.1-358.12 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites and Thalassinoides are seen throughout. A macrofossil occurs at 86 cm in Section 4. The uppermost 3 cm of Section 1 has severely disturbed bedding, and the remaining sections are moderately disturbed by biscuiting.



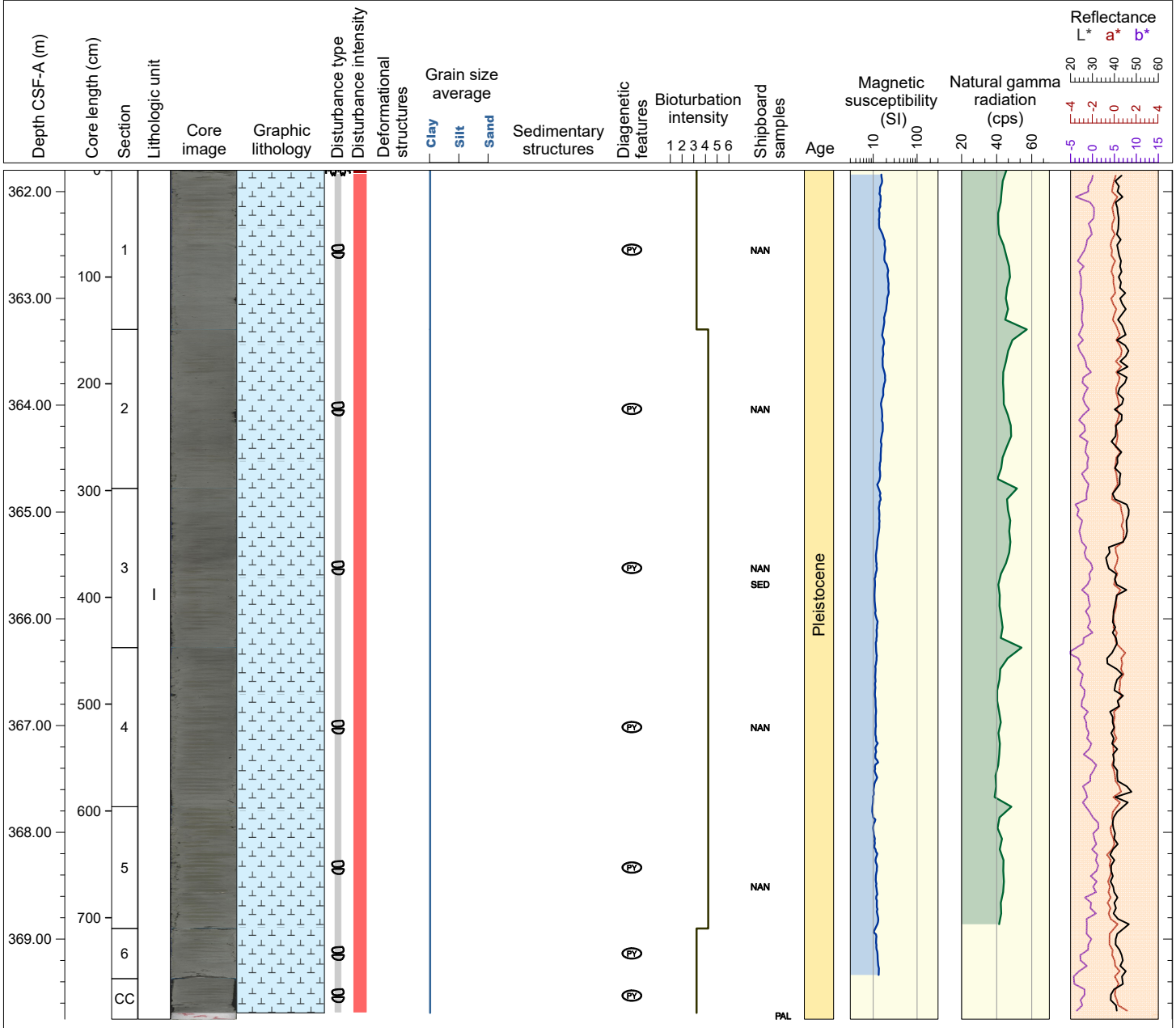
Hole 397-U1588D Core 66X, Interval 357.0-362.79 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The entire core is moderately to strongly disturbed by biscuiting.



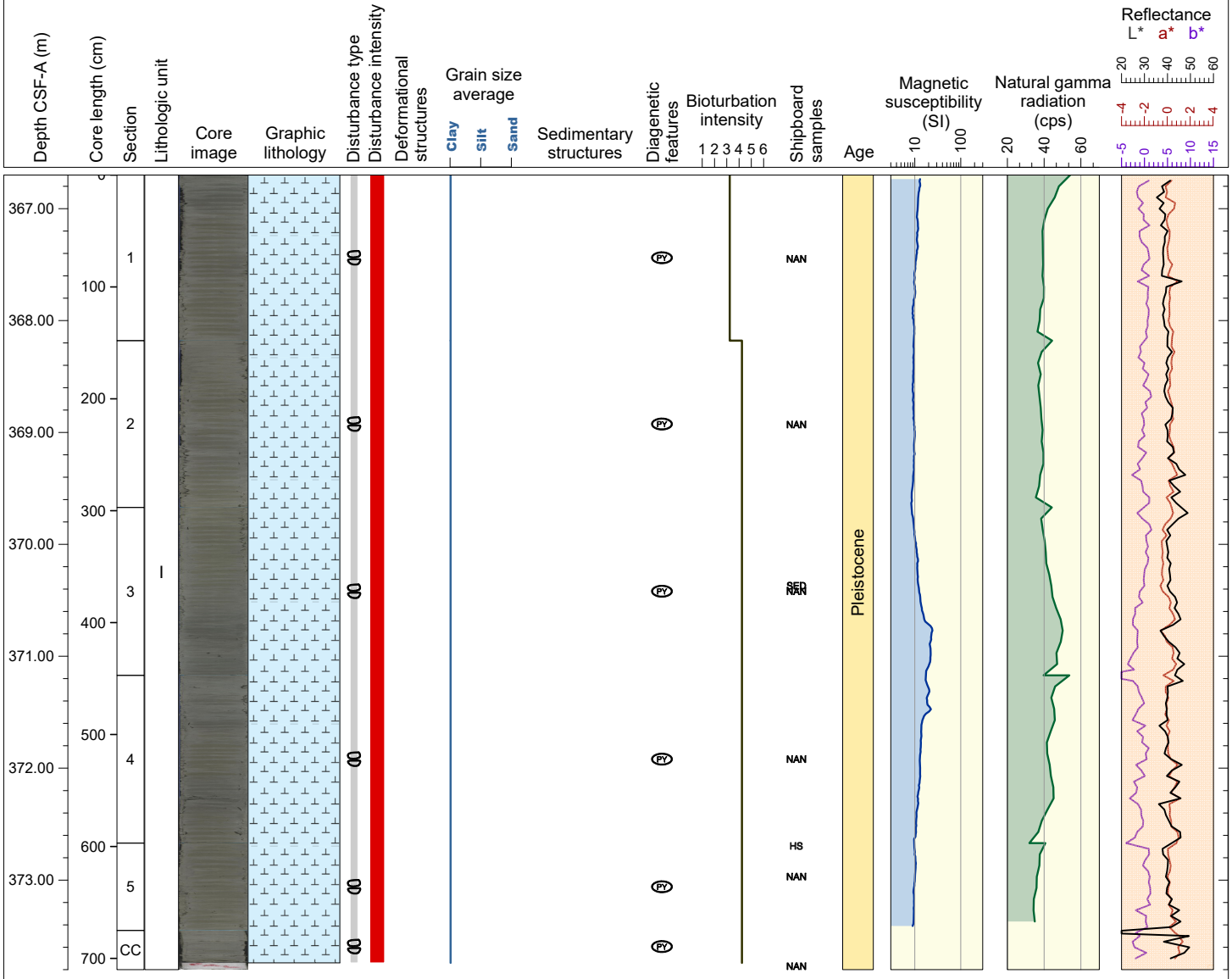
Hole 397-U1588D Core 67X, Interval 361.8-369.75 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The entire core is moderately disturbed by biscuiting, with a strongly disturbed fragmented interval at 83-94 cm in Section 4.



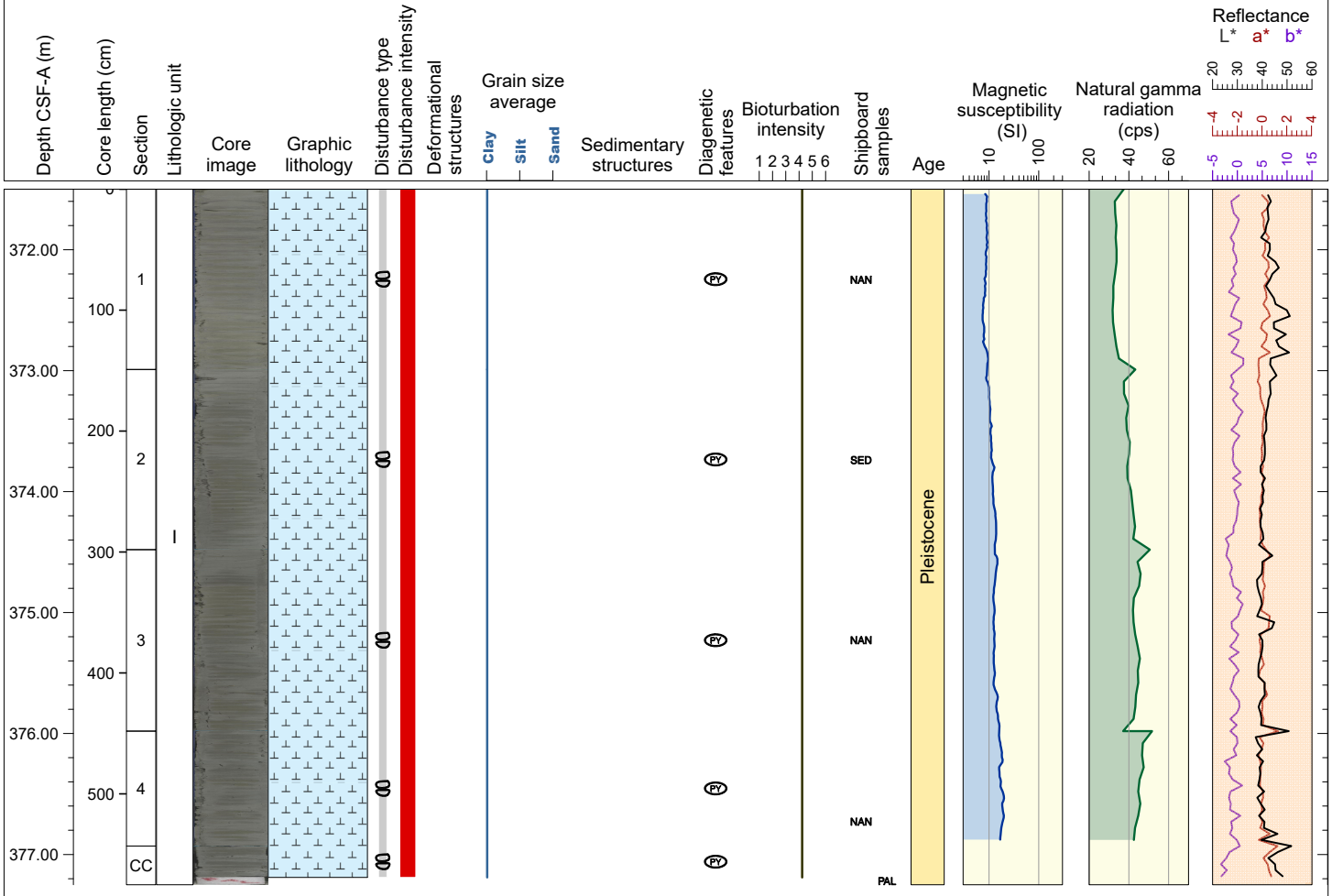
Hole 397-U1588D Core 68X, Interval 366.7-373.8 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The trace fossil Ophiomorpha is also observed in Section 4. The entire core is strongly disturbed by biscuiting.



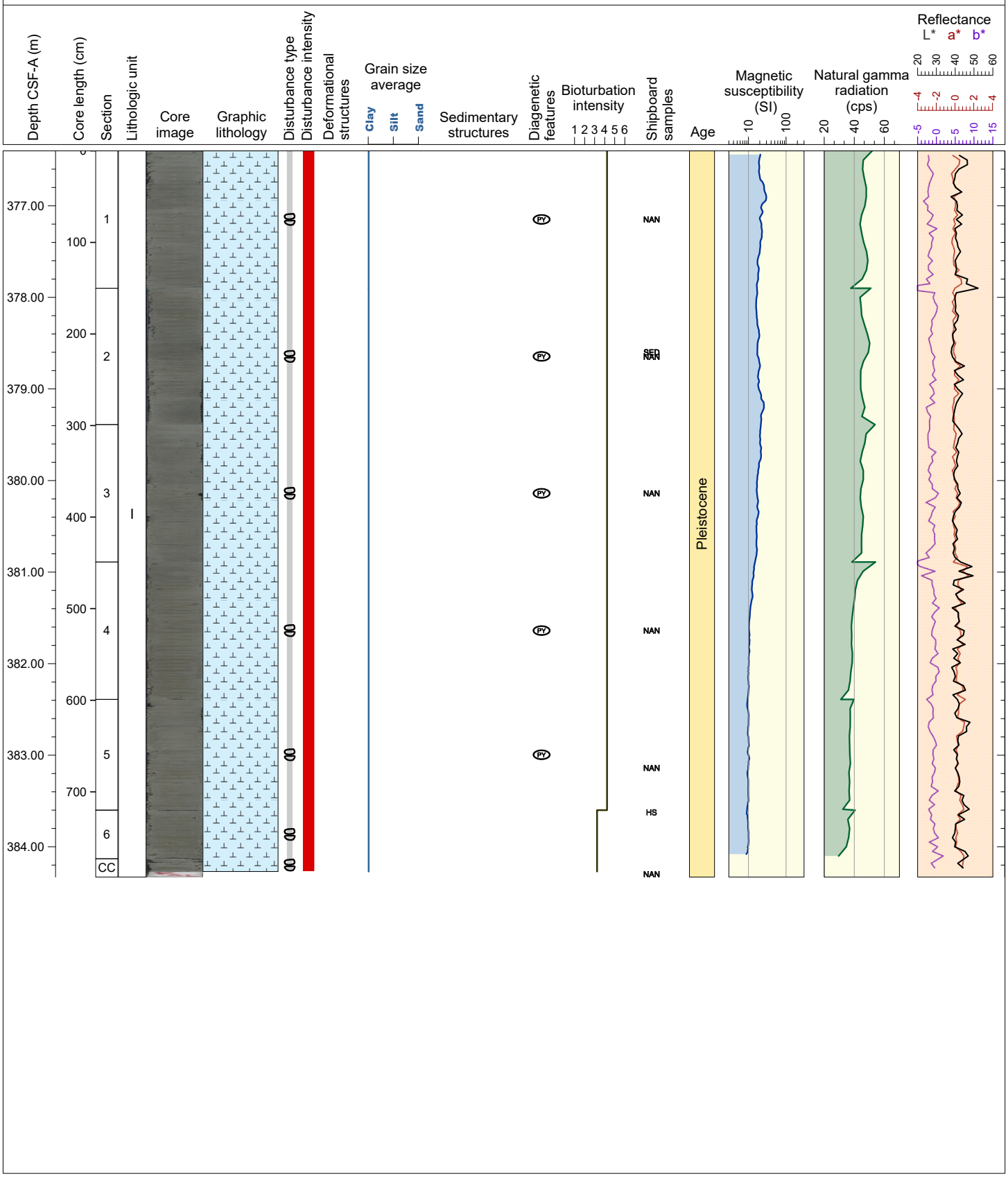
Hole 397-U1588D Core 69X, Interval 371.5-377.25 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is moderate, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. A gastropod is observed at 112.5 cm in Section 4. The entire core is strongly disturbed by biscuiting.



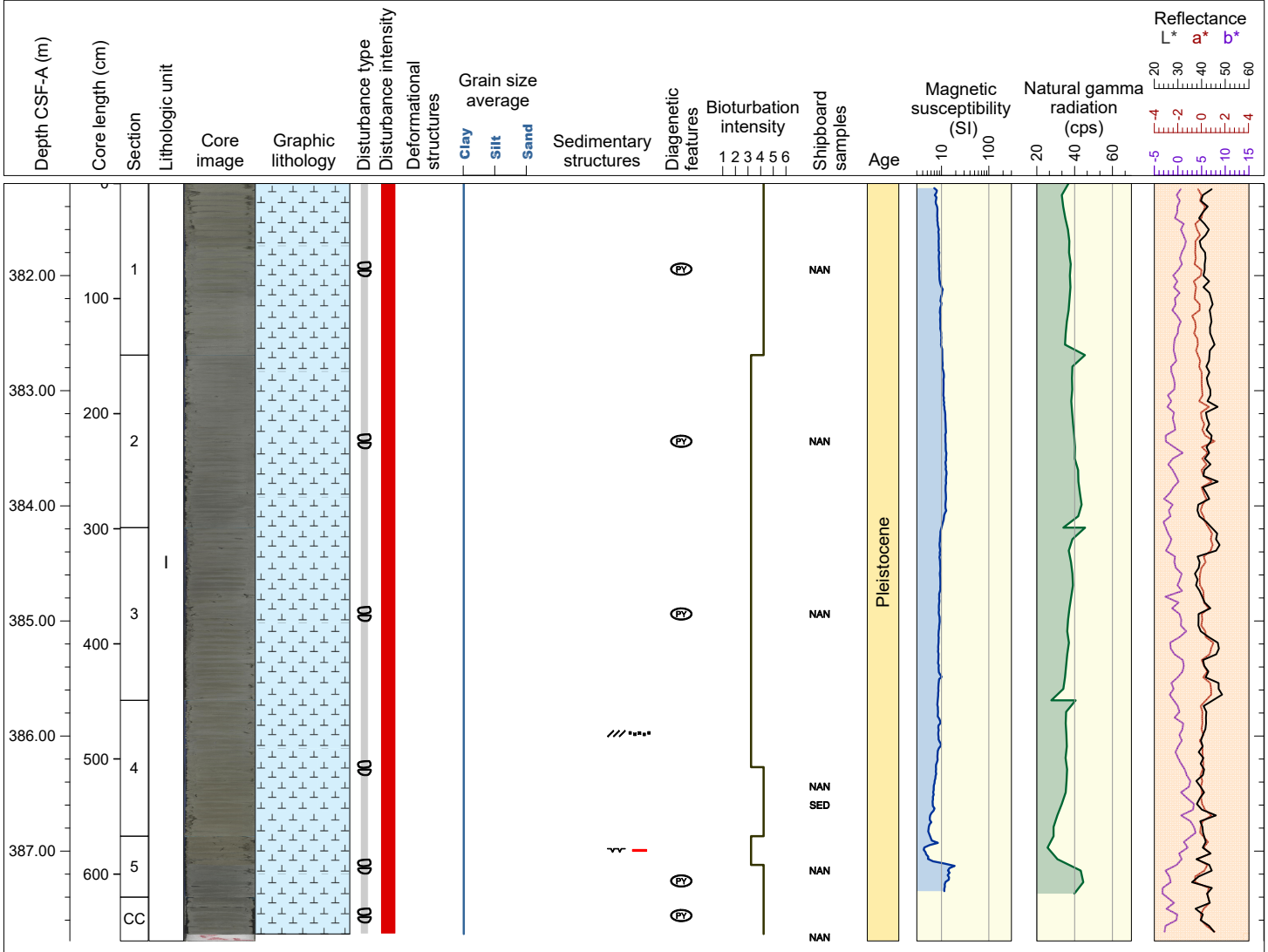
Hole 397-U1588D Core 70X, Interval 376.4-384.33 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The trace fossil Ophiomorpha is also observed in Section 5. The entire core is strongly disturbed by biscuiting.



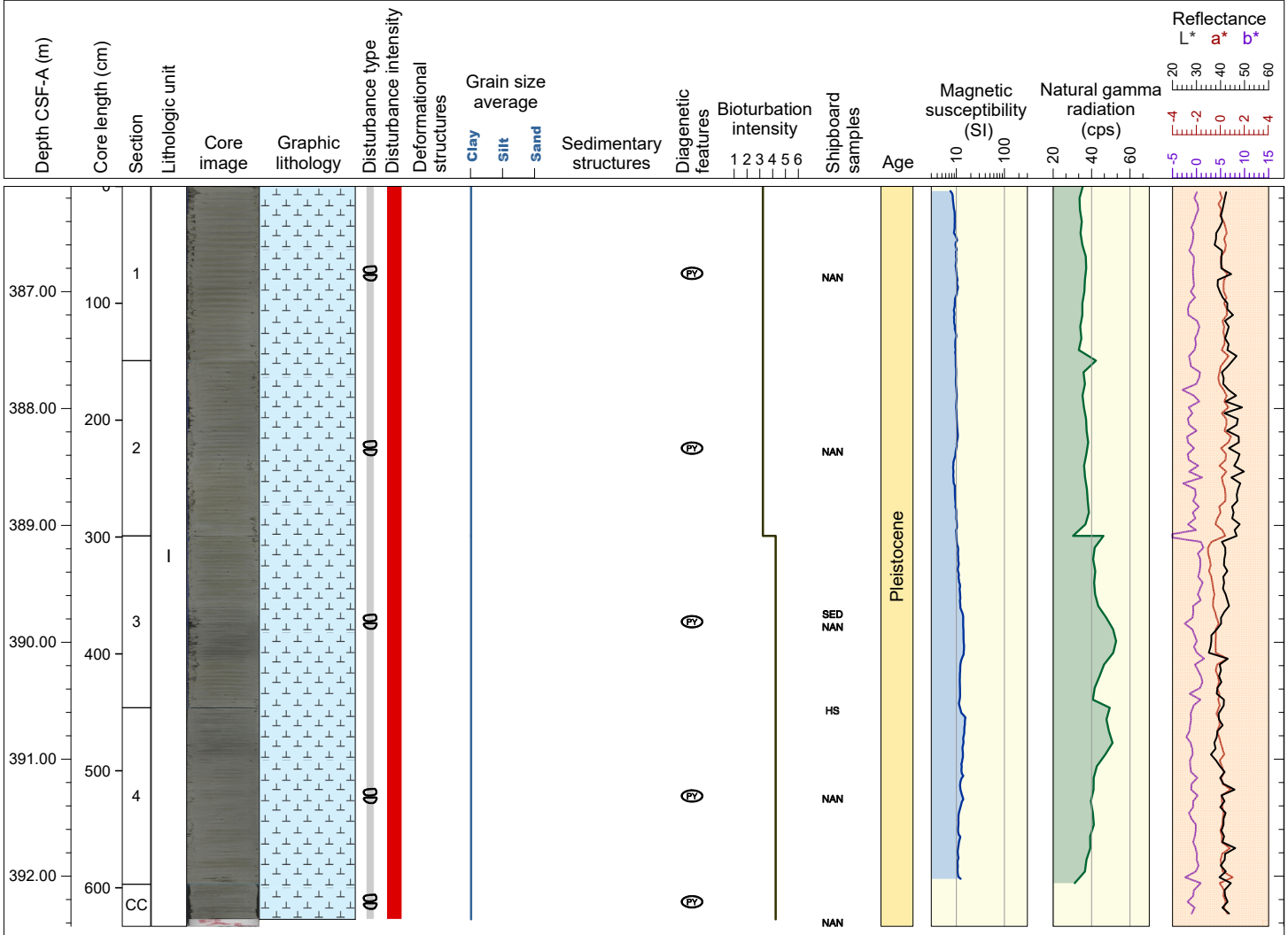
Hole 397-U1588D Core 71X, Interval 381.2-387.78 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The trace fossil Zoophycos occurs in Sections 1 and 4, and Muensteria is also observed in Section 2.The entire core is strongly disturbed by biscuiting.



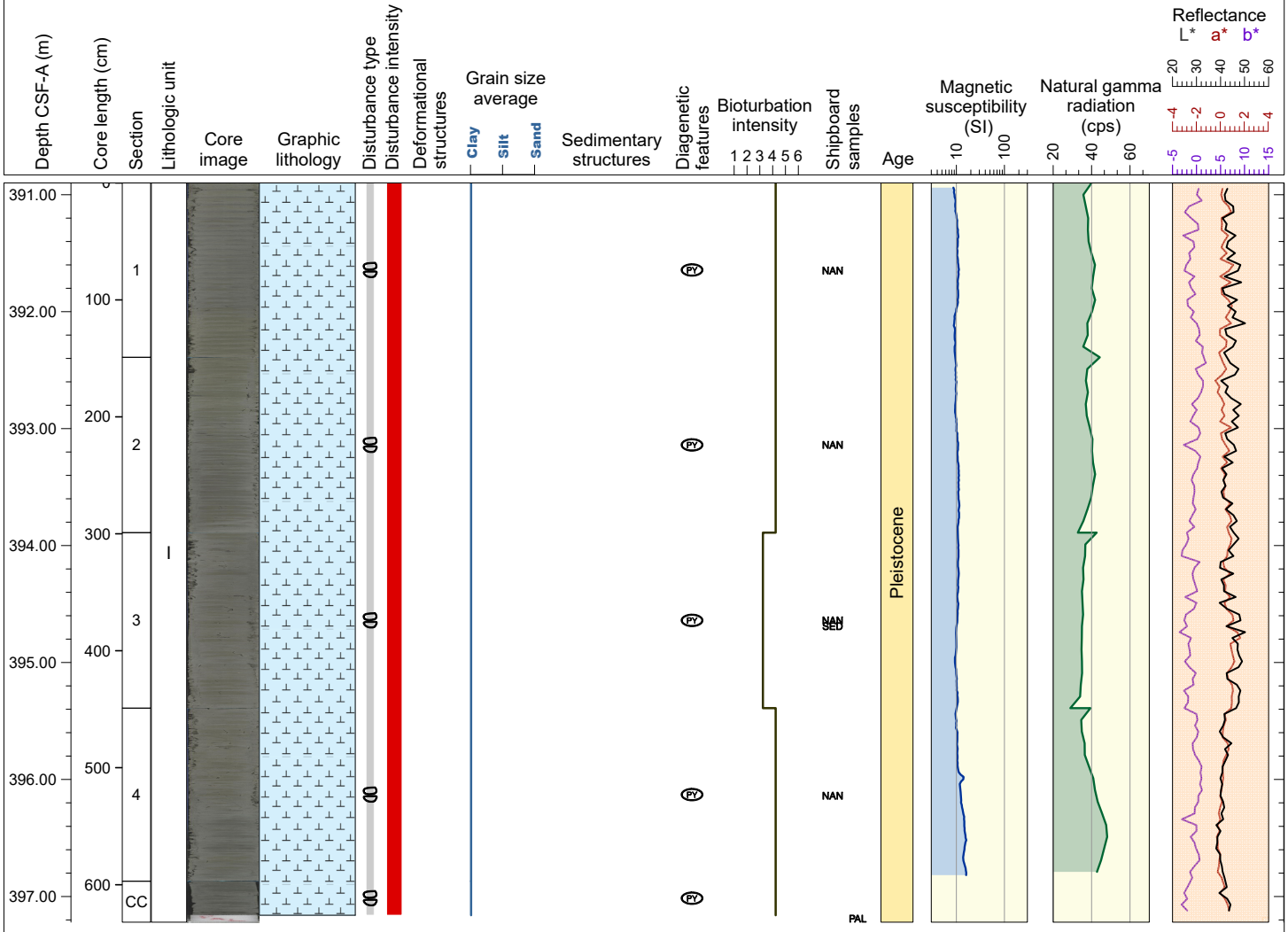
Hole 397-U1588D Core 72X, Interval 386.1-392.43 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The entire core is strongly disturbed by biscuiting.



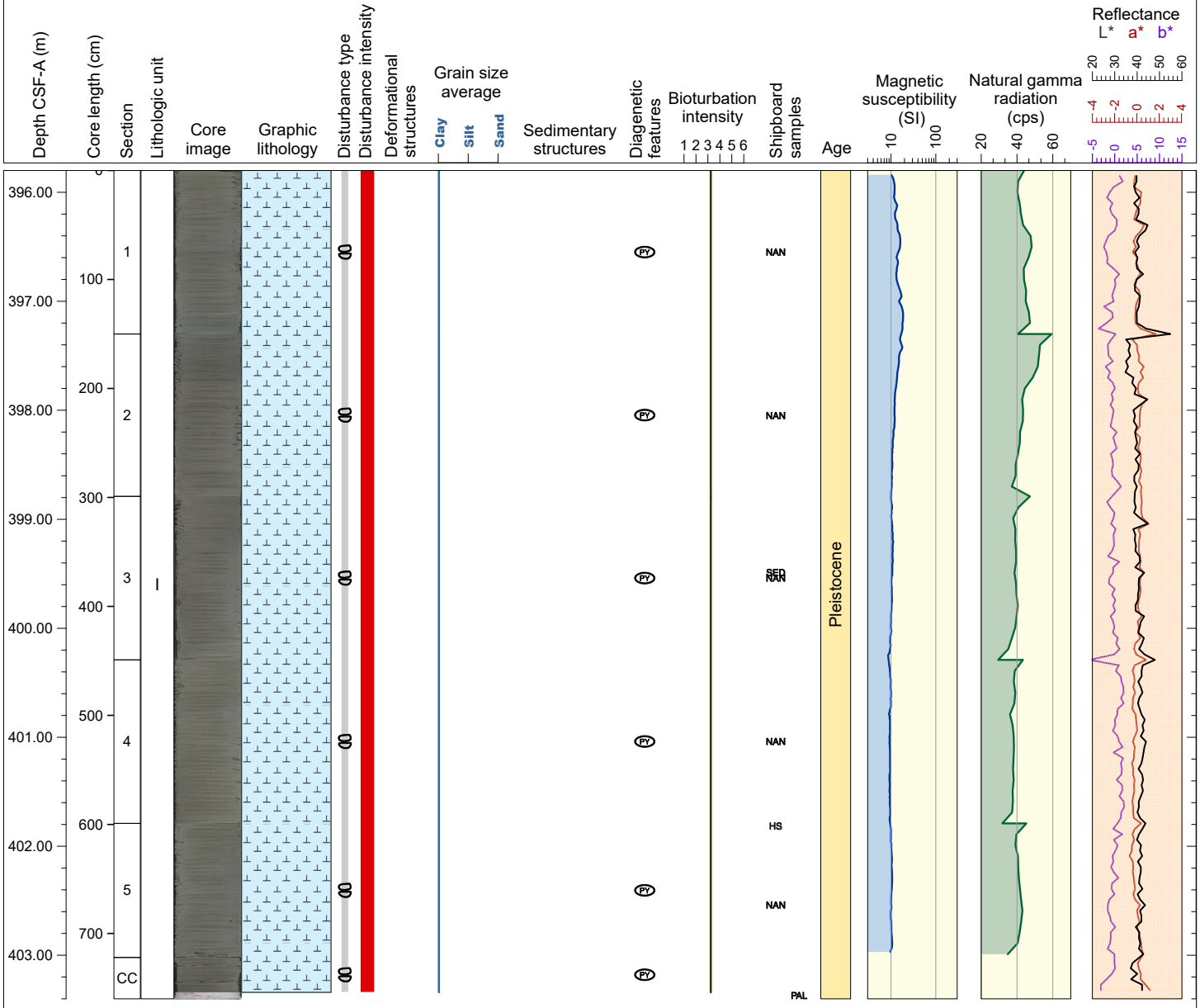
Hole 397-U1588D Core 73X, Interval 390.9-397.22 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is moderate, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Macrofossil shell fragments occur at 66-67 cm in Section 4. The entire core is strongly disturbed by biscuiting.



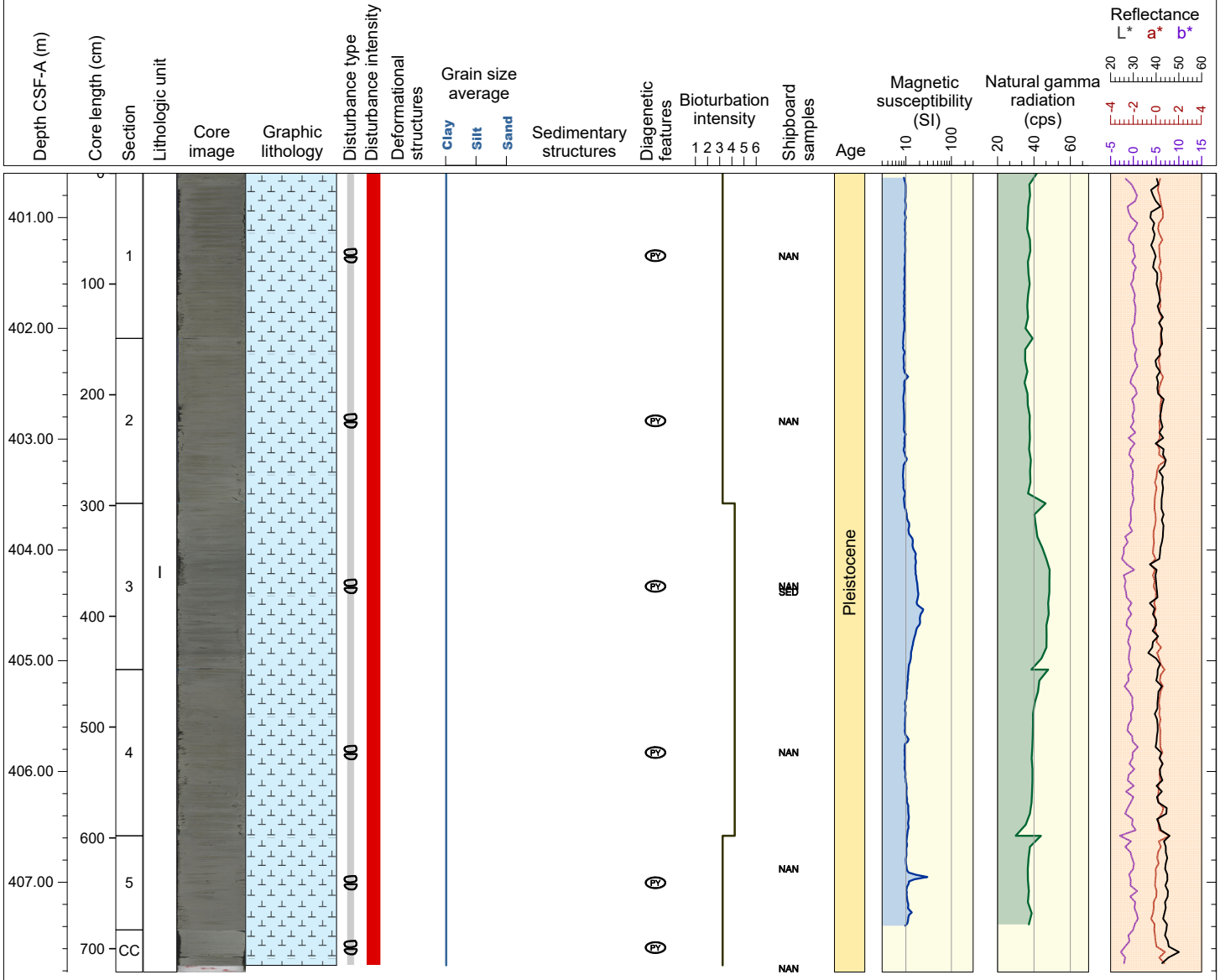
Hole 397-U1588D Core 74X, Interval 395.8-403.4 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is moderate, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The entire core is strongly disturbed by biscuiting.



Hole 397-U1588D Core 75X, Interval 400.6-407.81 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. The entire core is strongly disturbed by biscuiting.



Hole 397-U1588D Core 76X, Interval 405.5-415.08 m (CSF-A)

This core is dominated by NANNOFOSSIL OOZE WITH CARBONATE AND CLAY. Foraminifera and shell fragments are seen throughout. Pyrite nodules occur throughout the core. Bioturbation is slight to moderate, and trace fossils including Chondrites, Planolites and Thalassinoides are seen throughout. Top 10 of Section 1 is severely disturbed by fall-in, 10-149 cm of Section 1 and Section 2 are strongly disturbed by biscuiting, and the rest of the core is moderately disturbed by biscuiting.