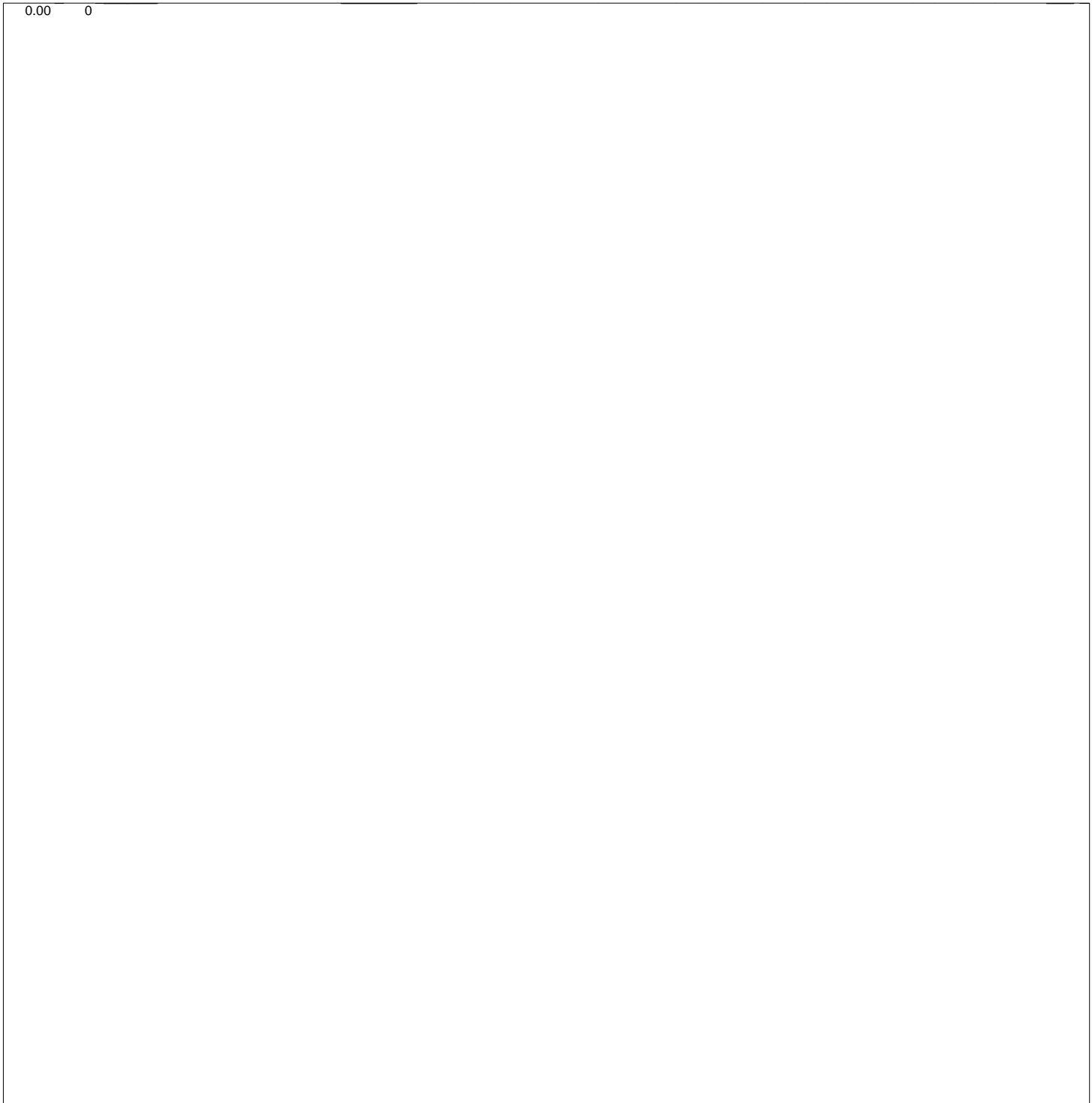
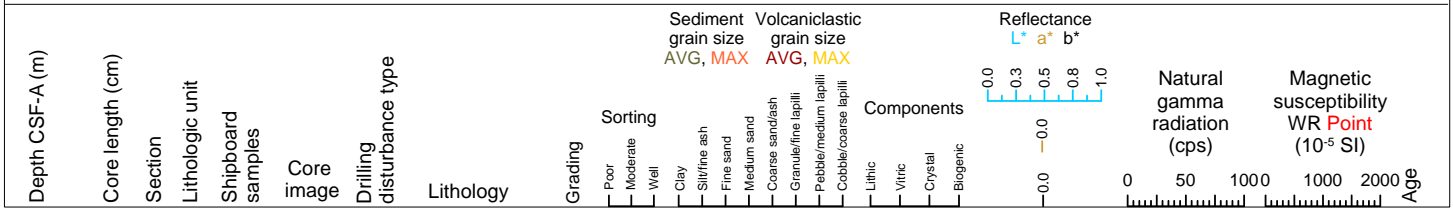


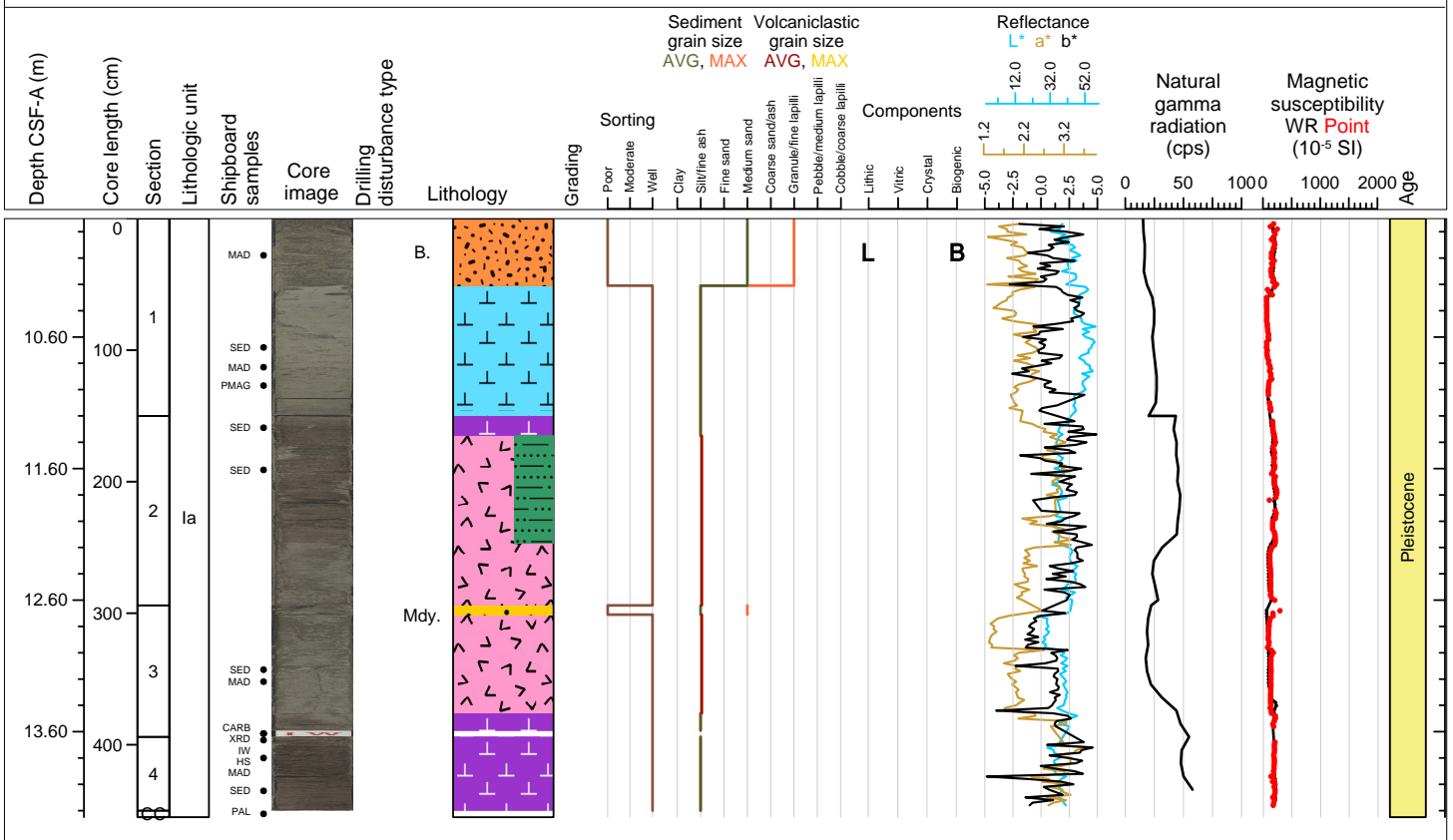
Hole 398-U1599A Core 1X, Interval 0.0-0.0 m (CSF-A)

NO RECOVERY 0.0-9.7 m



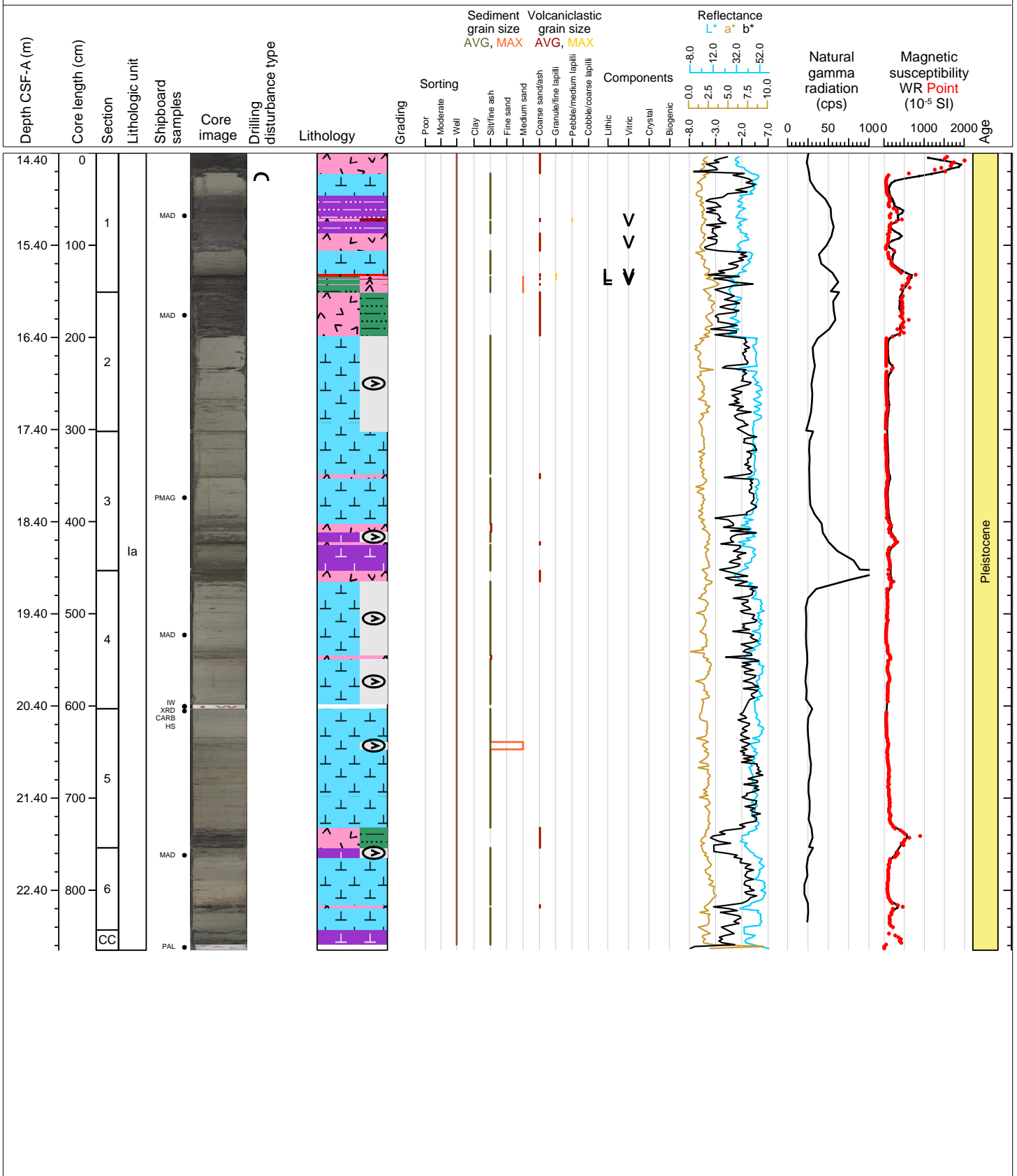
Hole 398-U1599A Core 2F, Interval 9.7-14.25 m (CSF-A)

bioclastic gravelly muddy sand, ooze, tuffaceous ooze, ash, muddy sand



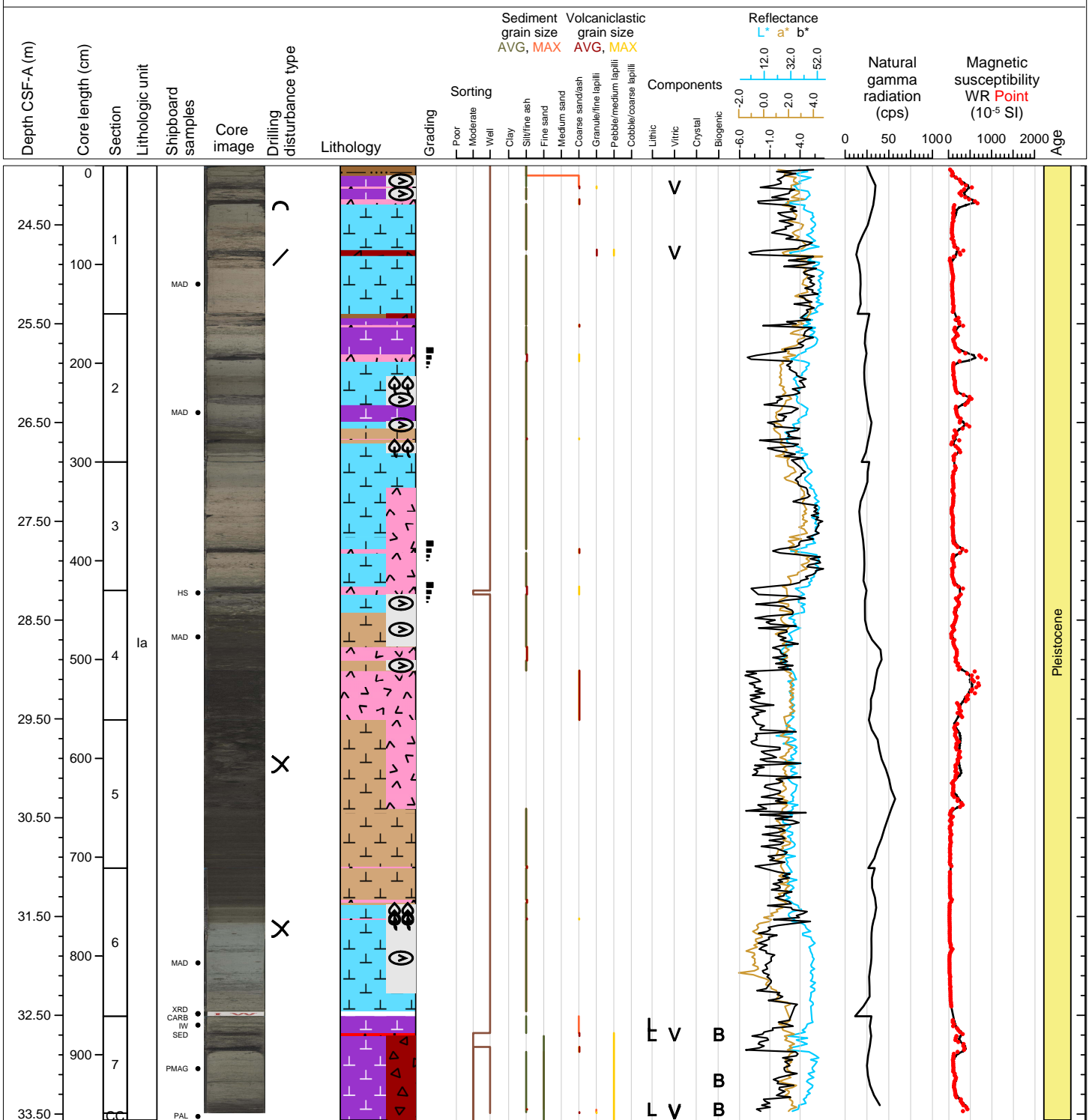
Hole 398-U1599A Core 3H, Interval 14.4-23.05 m (CSF-A)

lithic, crystal ash, ooze, tuffaceous mud, ash, alternating mud with ash, alternating ash with mud, ooze with ash pods, tuffaceous ooze, ash with mud



Hole 398-U1599A Core 4H, Interval 23.9-33.56 m (CSF-A)

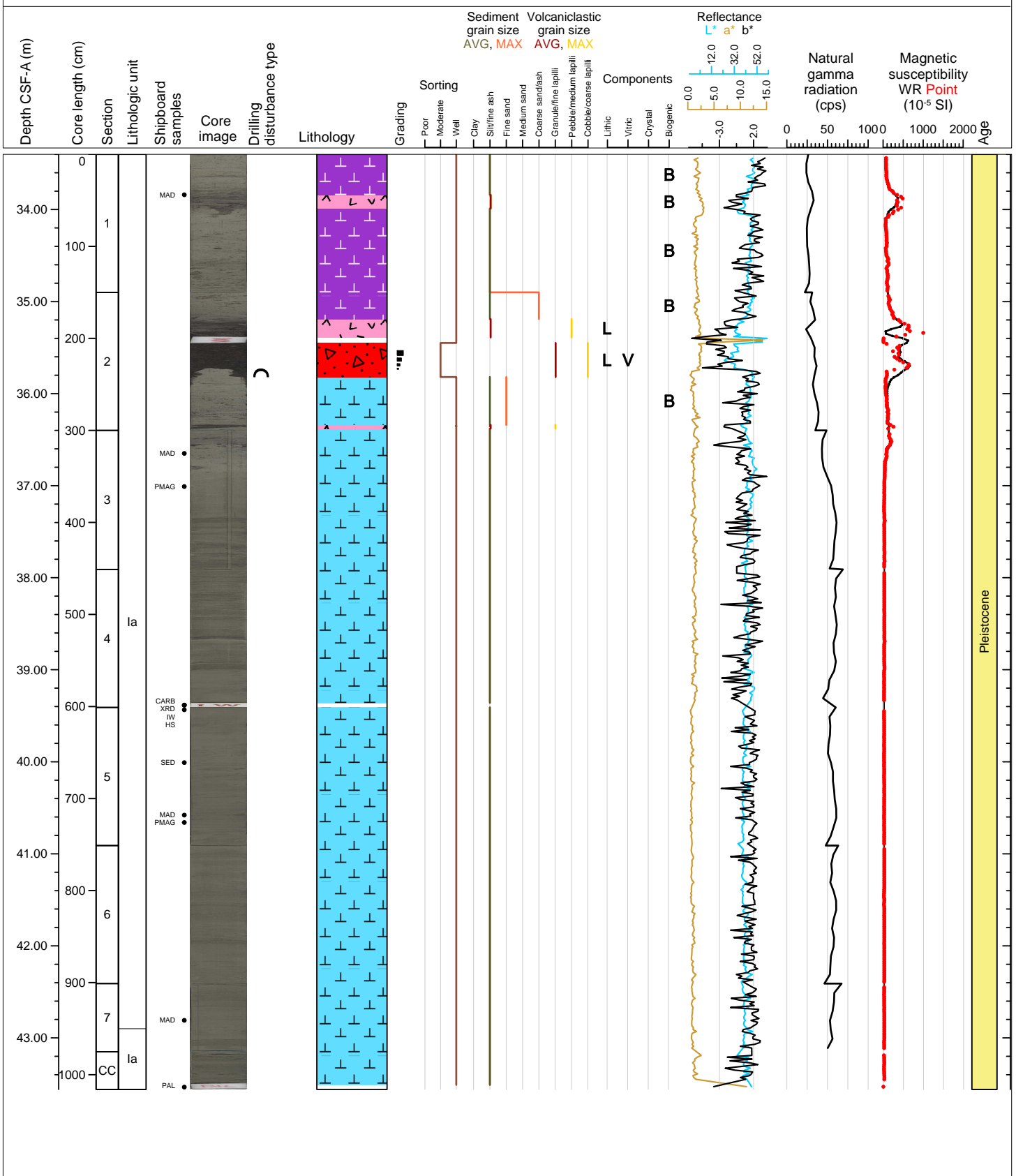
Calcareous mud, tuffaceous ooze with ash pods, lithic, crystal ash, ooze, lapilli, ooze with organic material, tuffaceous ooze, organic-rich ooze, organic-rich ooze with ash pods, ooze with ash, ooze with ash pods, ash, organic-rich ooze with ash, ash with organic material, tuffaceous ooze with lapilli, lapilli-ash

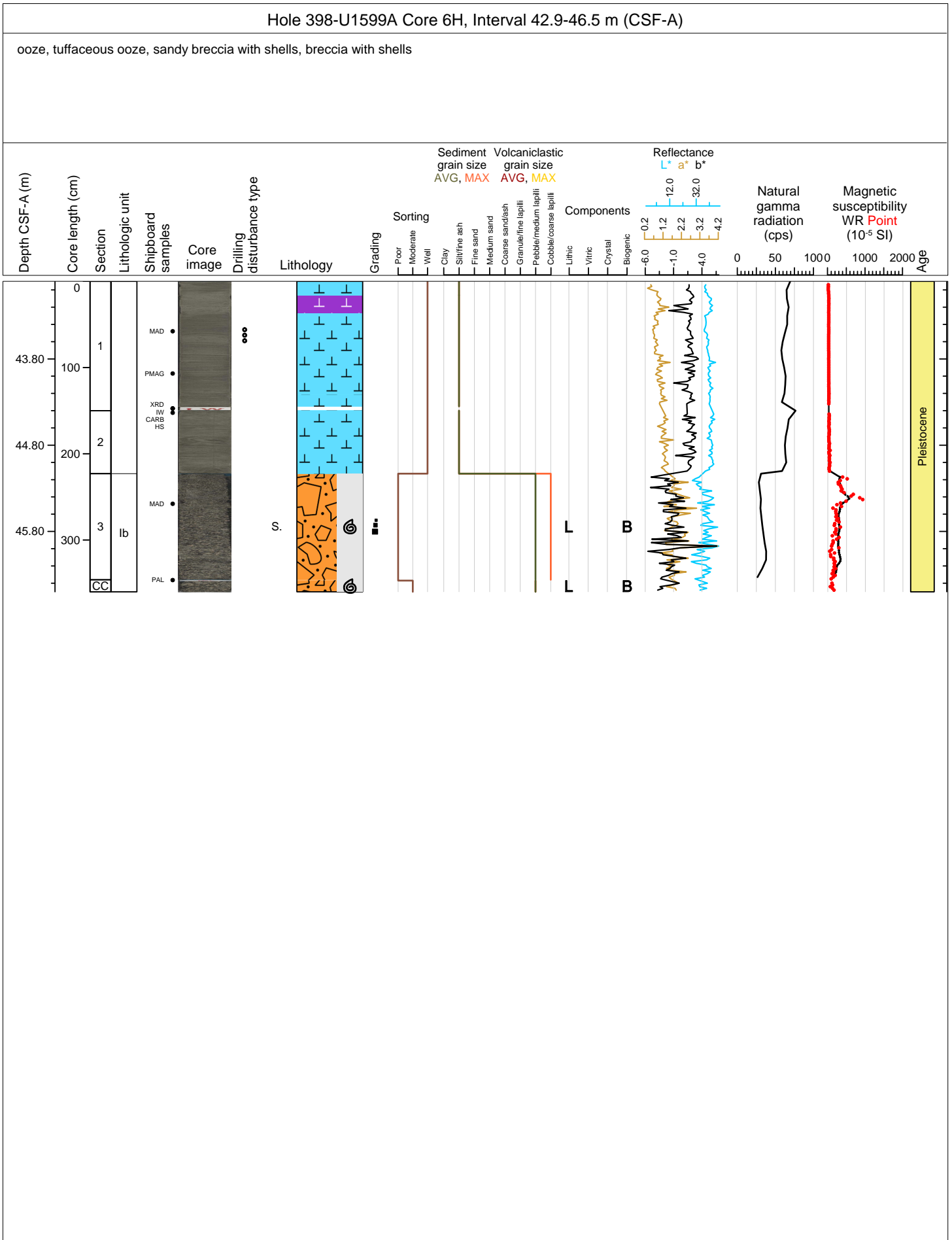




Hole 398-U1599A Core 5H, Interval 33.4-43.56 m (CSF-A)

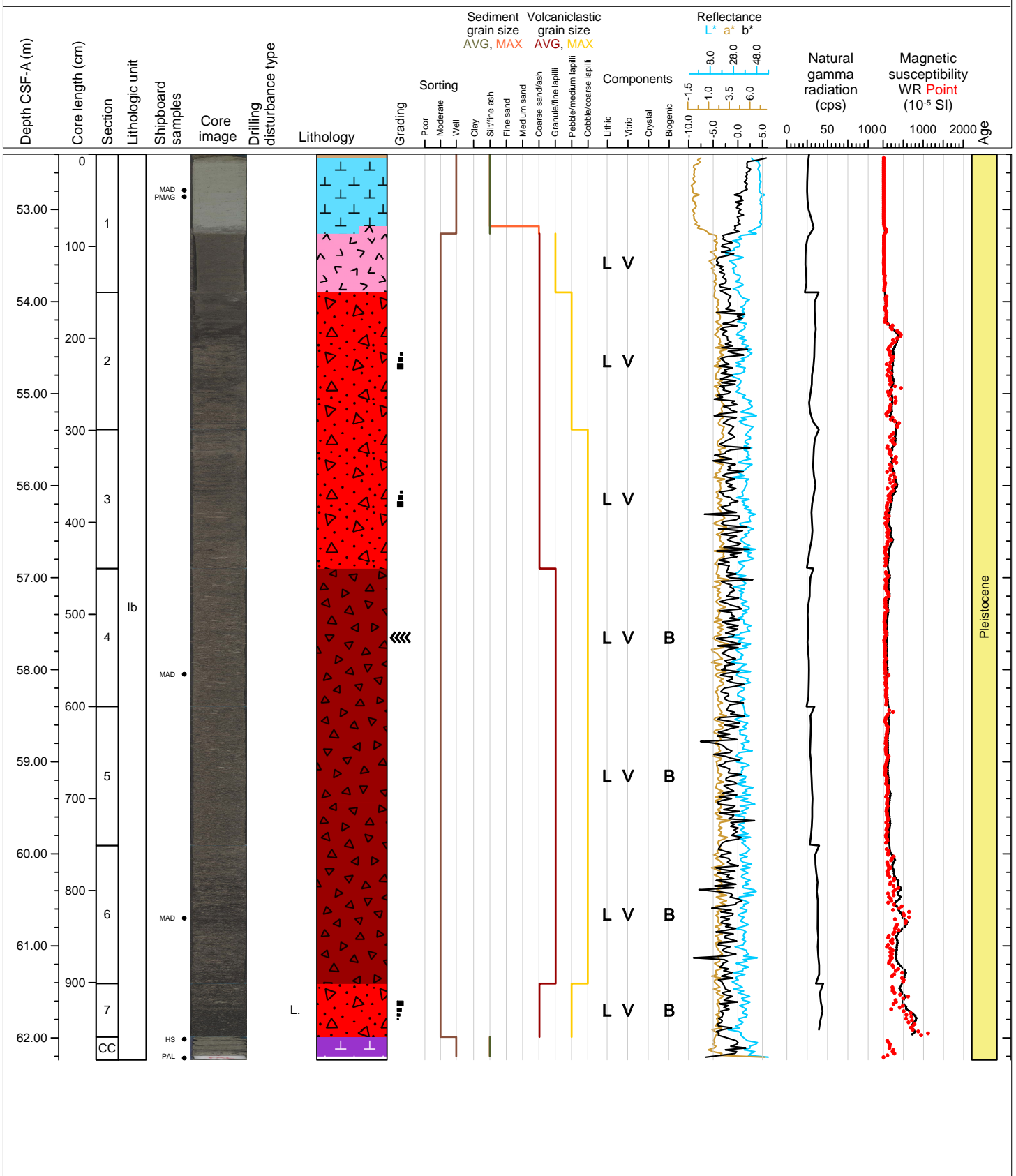
Tuffaceous ooze, ash, ooze, lapilli-ash





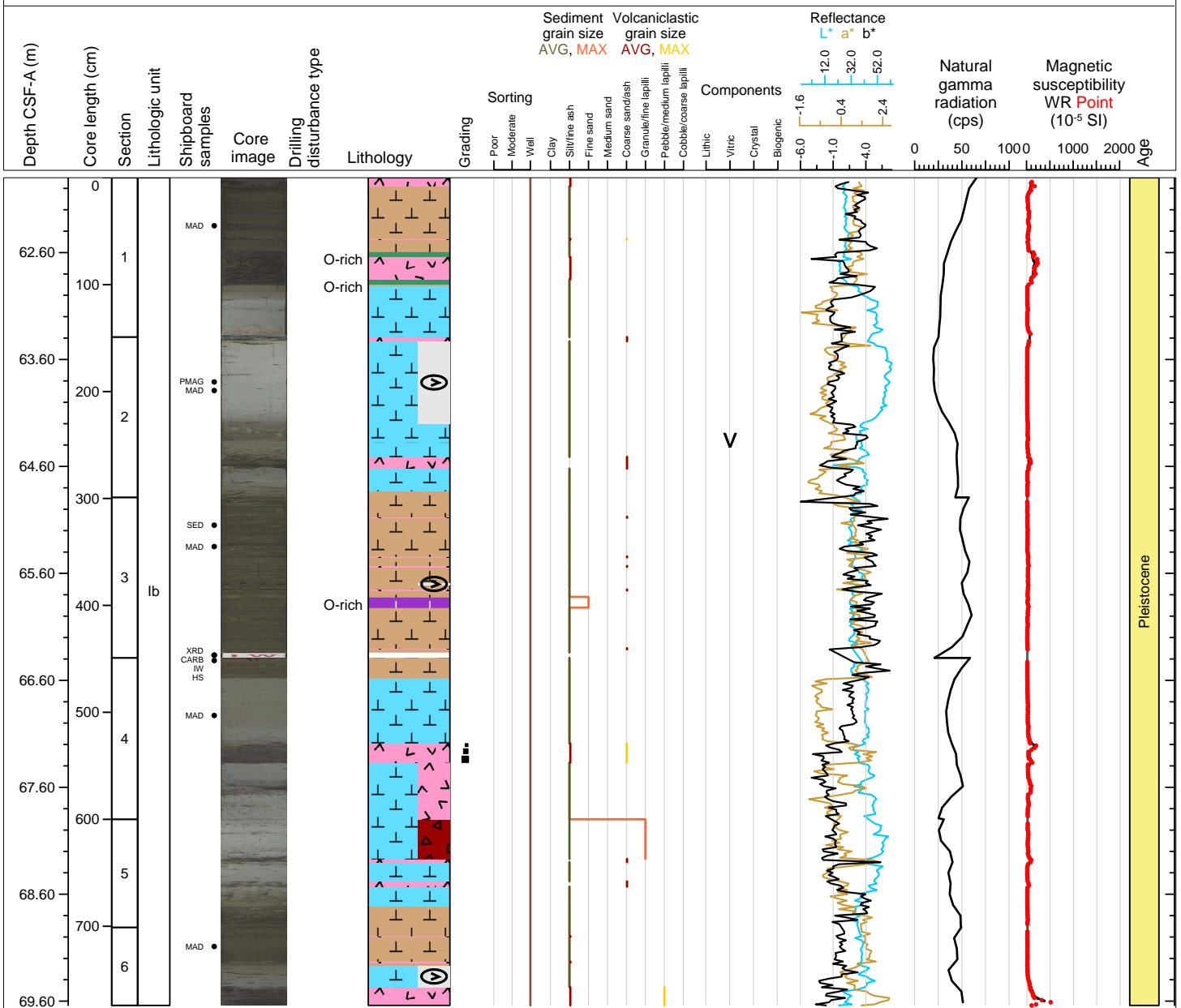
Hole 398-U1599A Core 7H, Interval 52.4-62.24 m (CSF-A)

organic-rich ooze, ooze with ash, ash, lapilli-ash, lapilli, lithic lapilli-ash, tuffaceous ooze



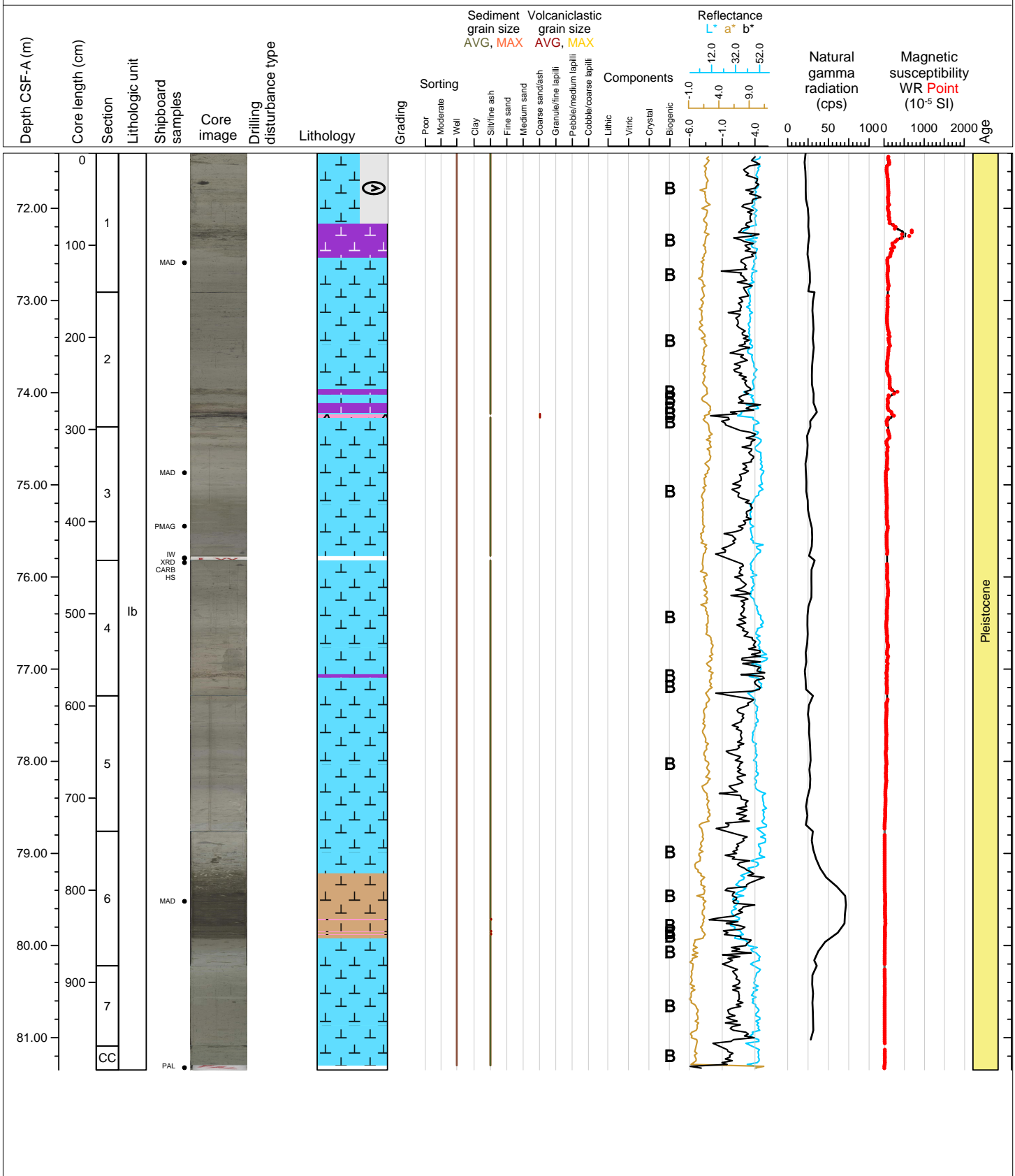
Hole 398-U1599A Core 8H, Interval 61.9-69.64 m (CSF-A)

ash, organic-rich ooze, ash, organic-rich mud, organic-rich ooze with ash pods, organic-rich tuffaceous ooze, ooze with ash pods



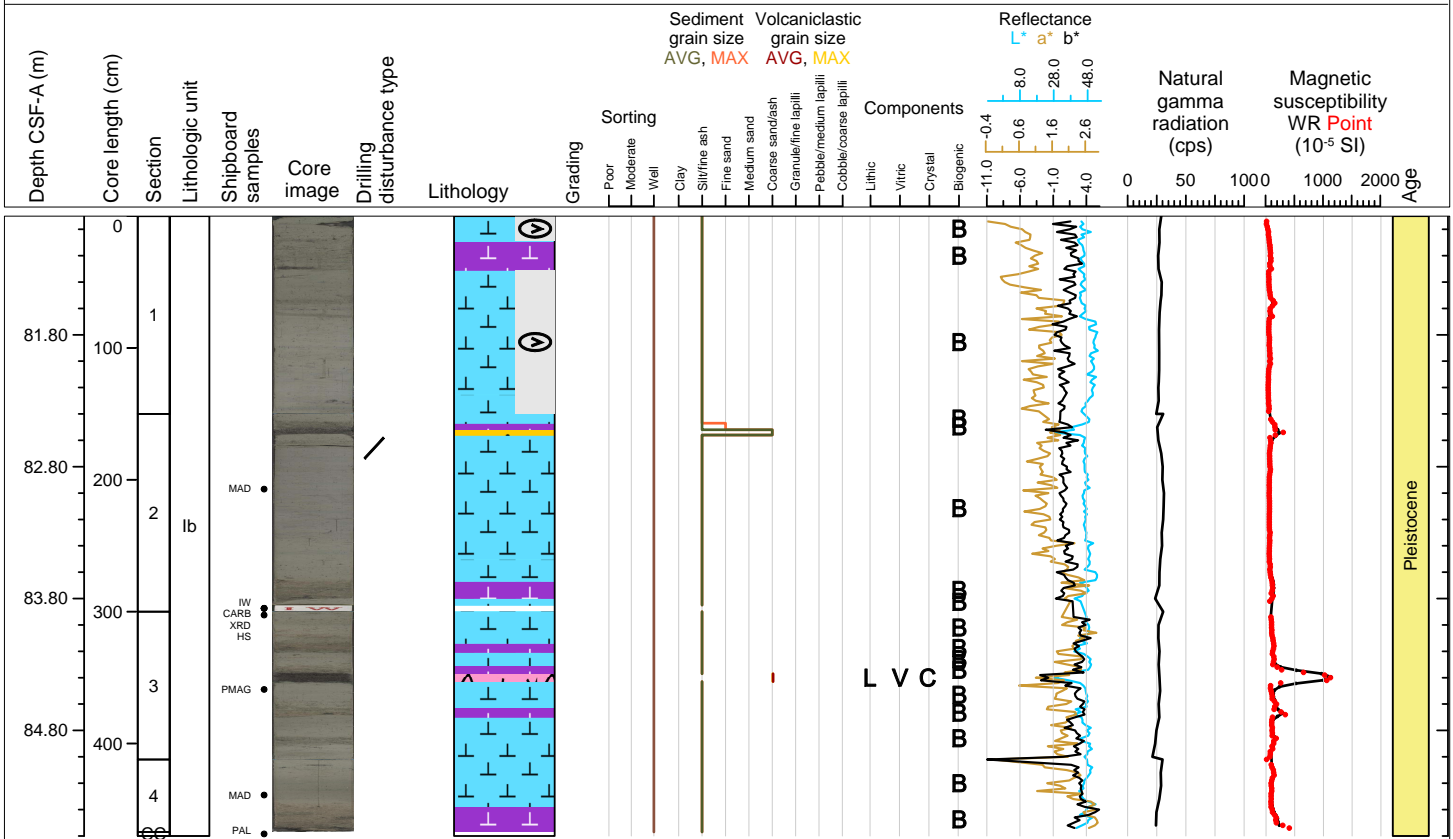
Hole 398-U1599A Core 9H, Interval 71.4-81.35 m (CSF-A)

ooze with ash pods, tuffaceous ooze, ooze, ash, organic-rich ooze,



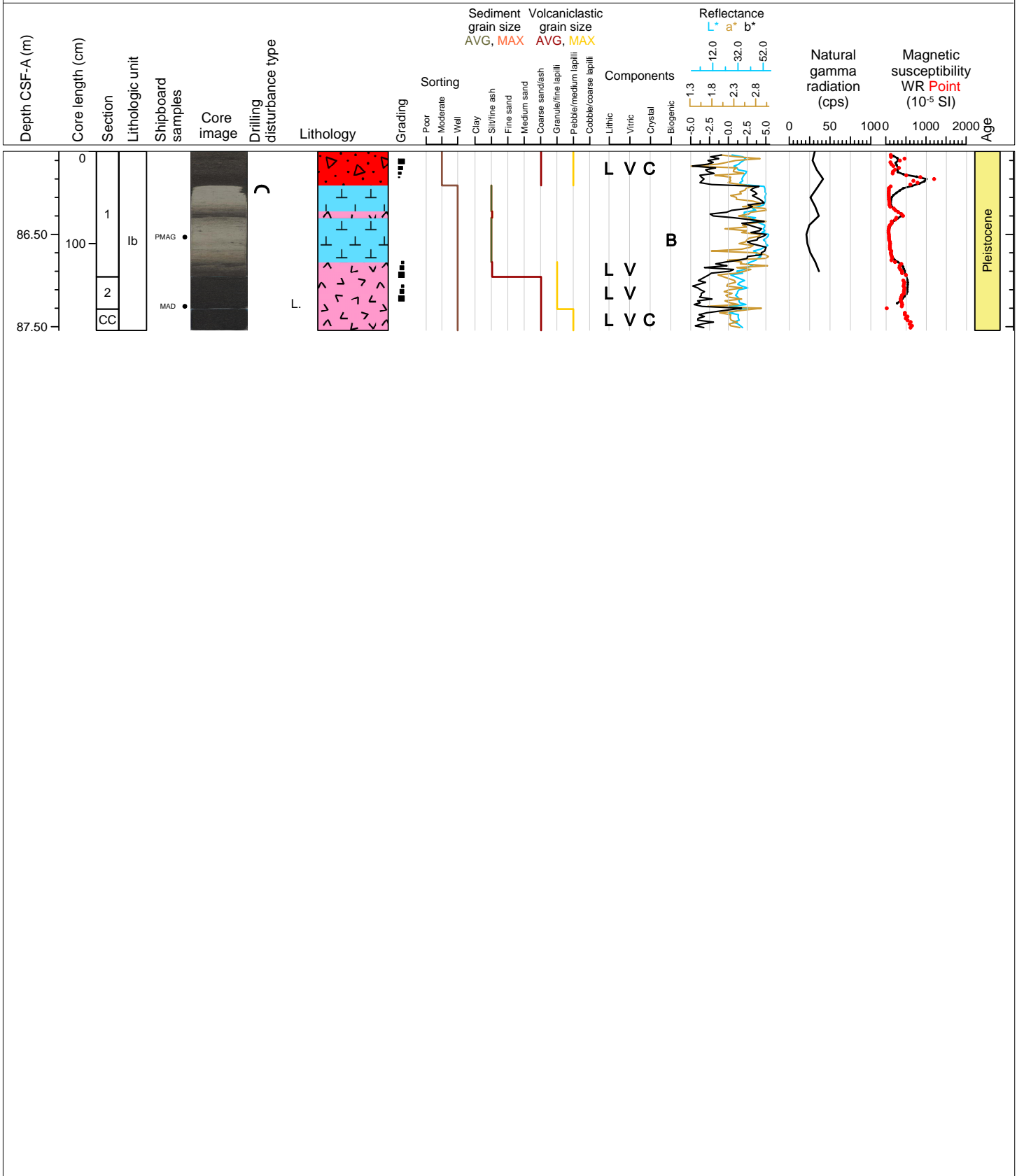
Hole 398-U1599A Core 10F, Interval 80.9-85.6 m (CSF-A)

ooze with ash pods, tuffaceous ooze, ooze, sand



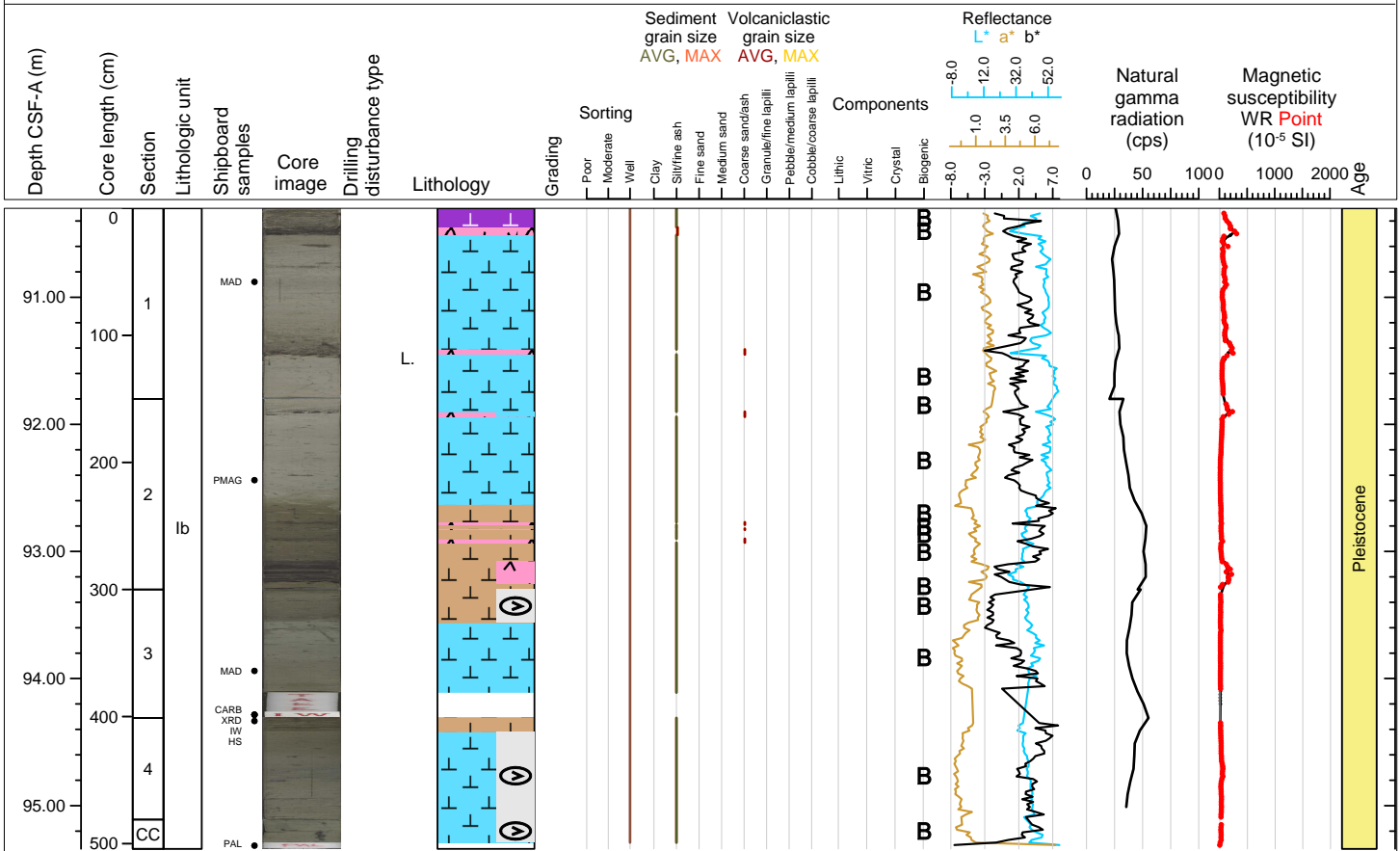
Hole 398-U1599A Core 11F, Interval 85.6-87.54 m (CSF-A)

Lapilli-ash, ooze, ash, lithic ash



Hole 398-U1599A Core 12F, Interval 90.3-95.34 m (CSF-A)

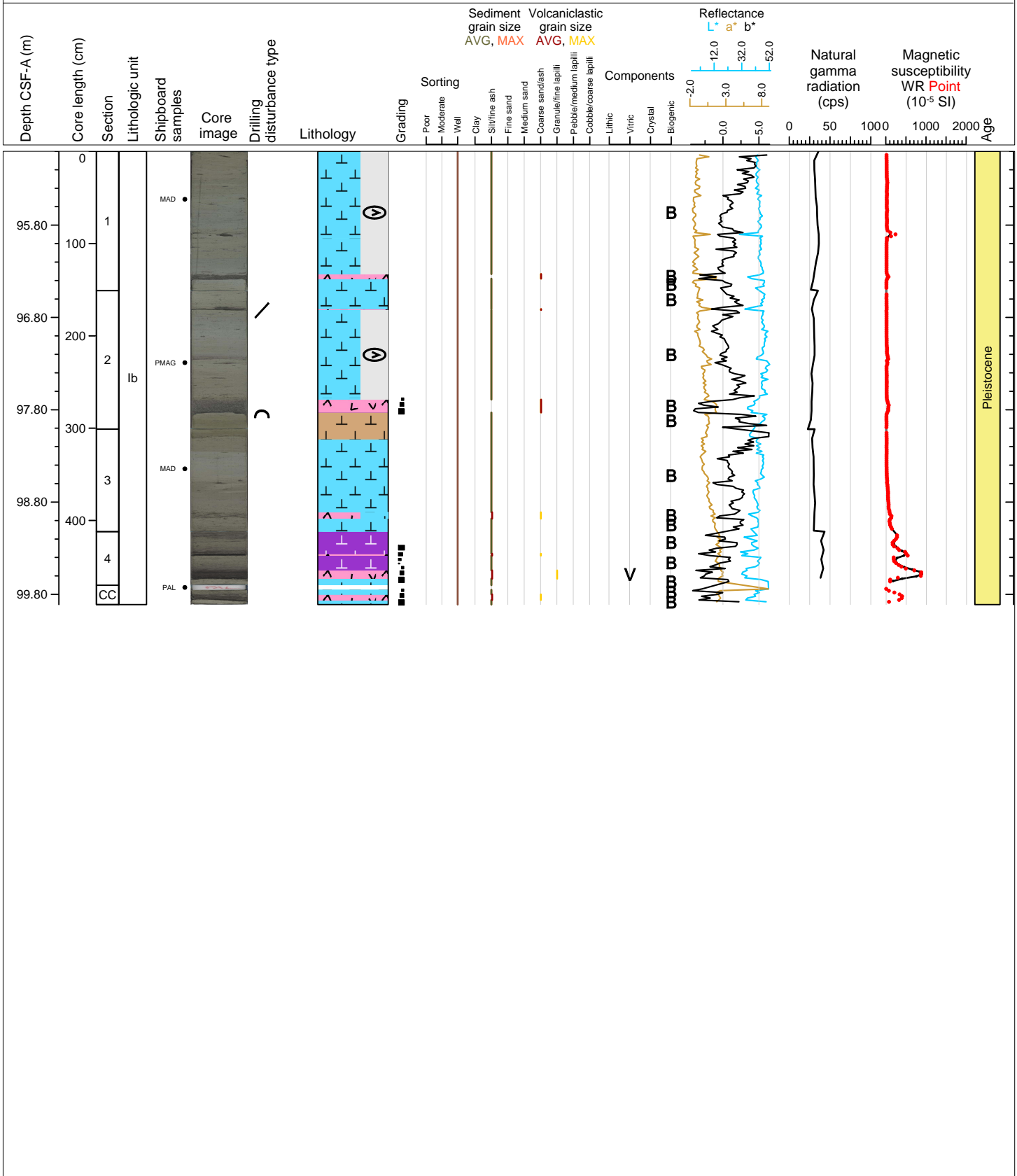
ash, ooze, lithic ash, ash with ooze, organic-rich ooze, organic-rich ooze with alternating ash, organic-rich ooze with ash pods





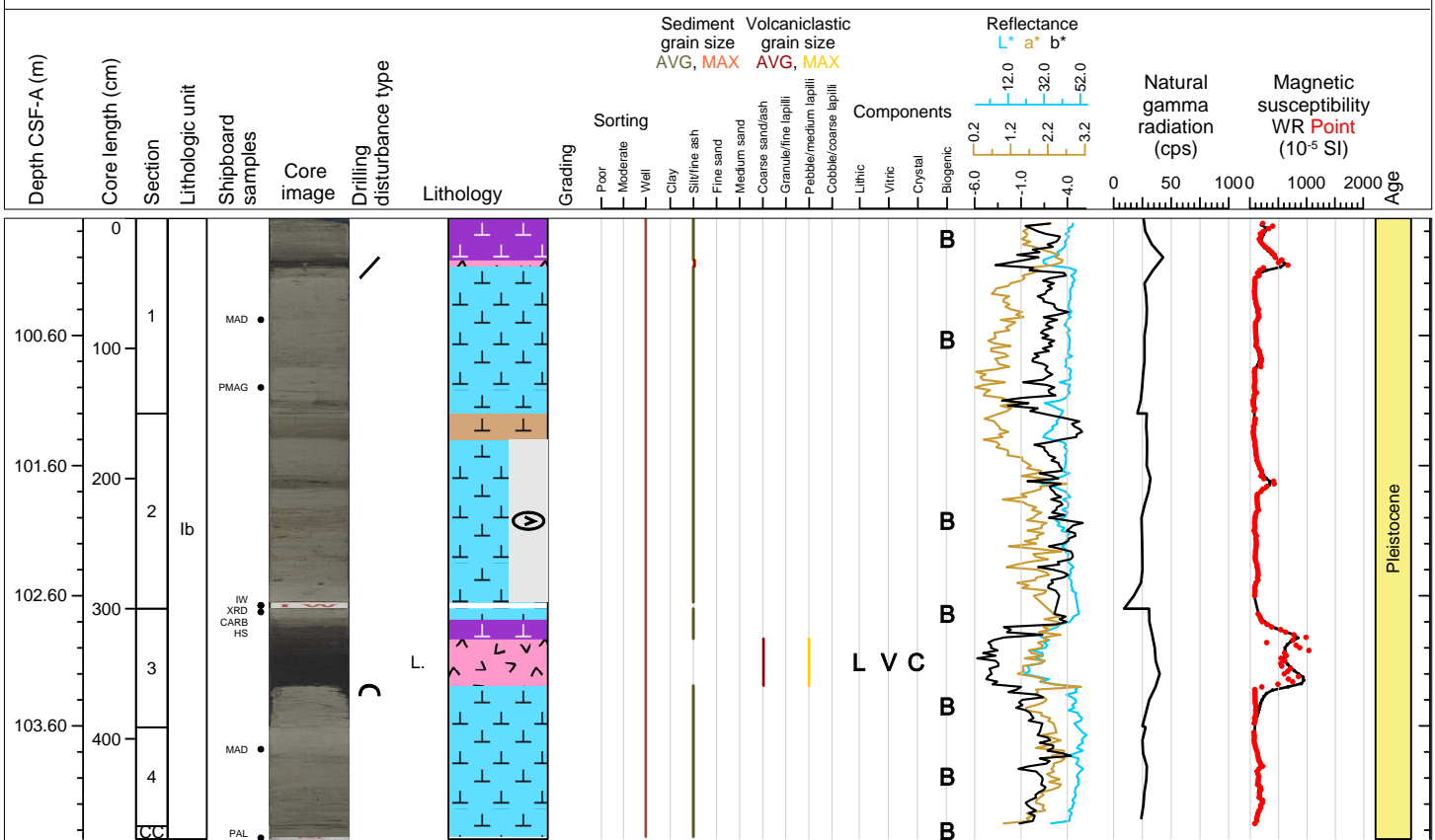
Hole 398-U1599A Core 13F, Interval 95.0-99.91 m (CSF-A)

ooze with ash pods, ash, ooze, organic-rich ooze, ash with ooze, tuffaceous ooze



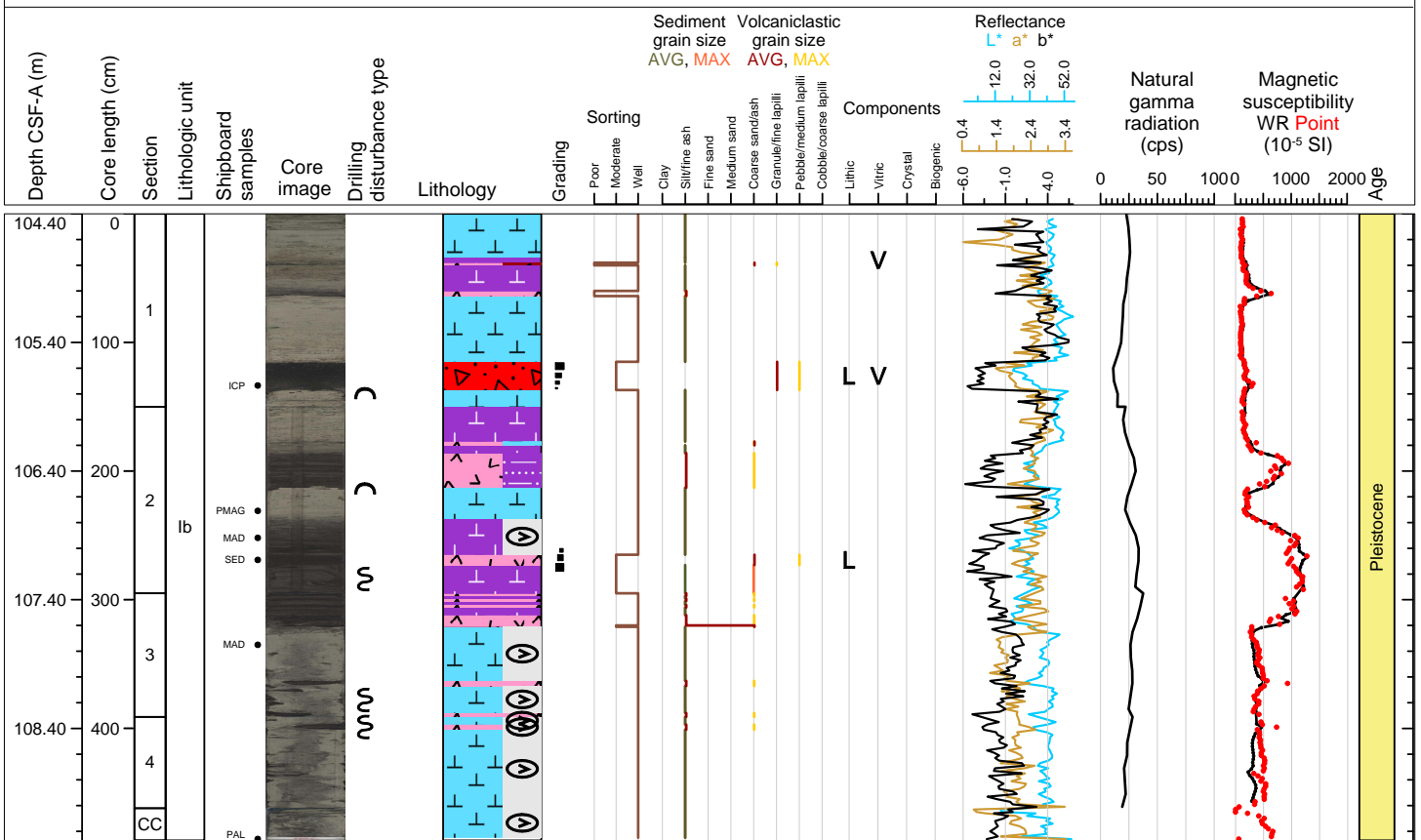
Hole 398-U1599A Core 14F, Interval 99.7-104.47 m (CSF-A)

tuffaceous ooze, ash, ooze, organic-rich ooze, ooze with ash pods, lithic ash



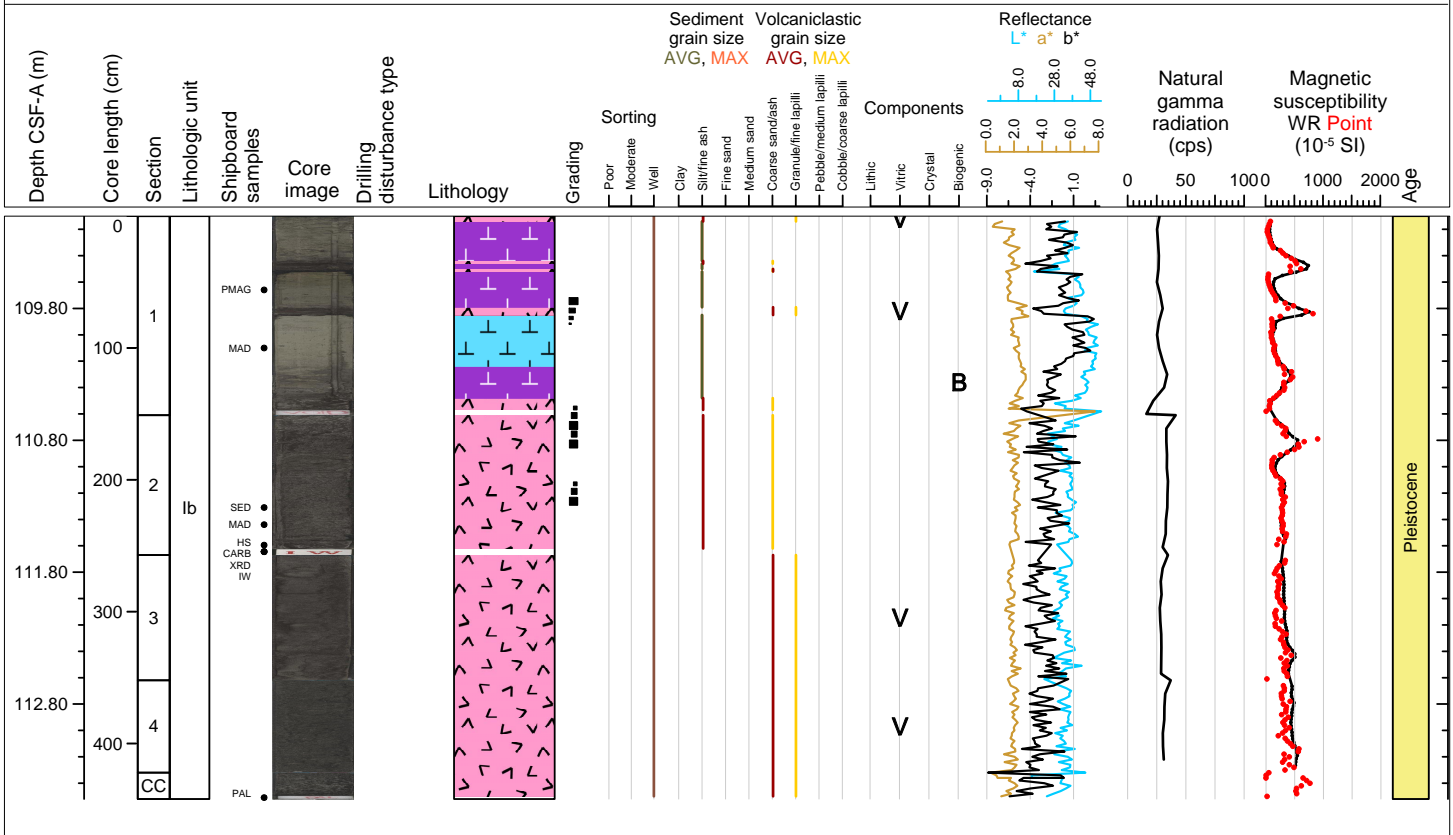
Hole 398-U1599A Core 15F, Interval 104.4-109.27 m (CSF-A)

ooze, tuffaceous ooze, ash with lapilli, ash, ash with ooze, alternating ash with tuffaceous mud, tuffaceous mud with ash pods, lithic, crystal ash, ooze with ash pods



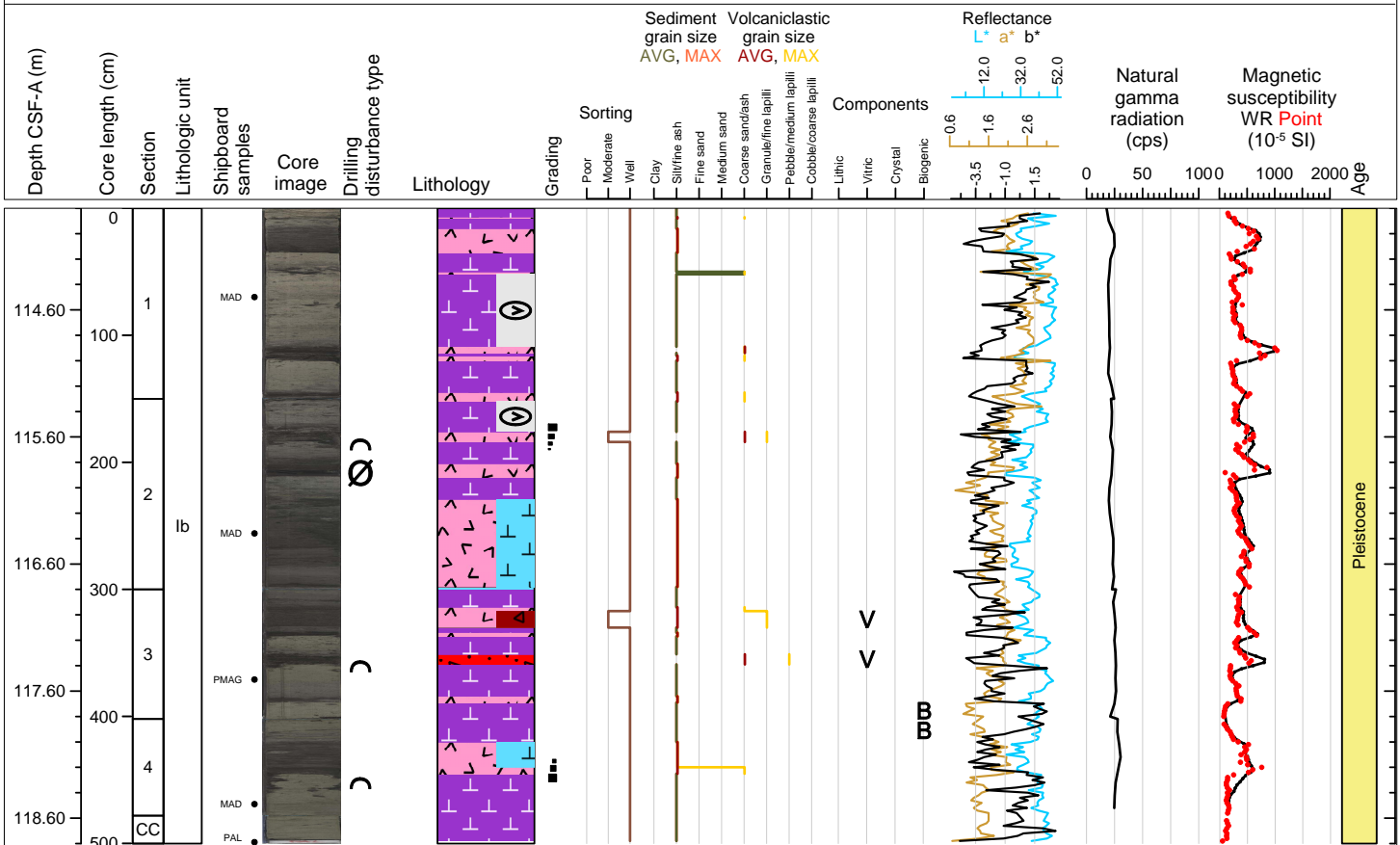
Hole 398-U1599A Core 16F, Interval 109.1-113.52 m (CSF-A)

ash, tuffaceous ooze, lithic, crystal ash, ooze



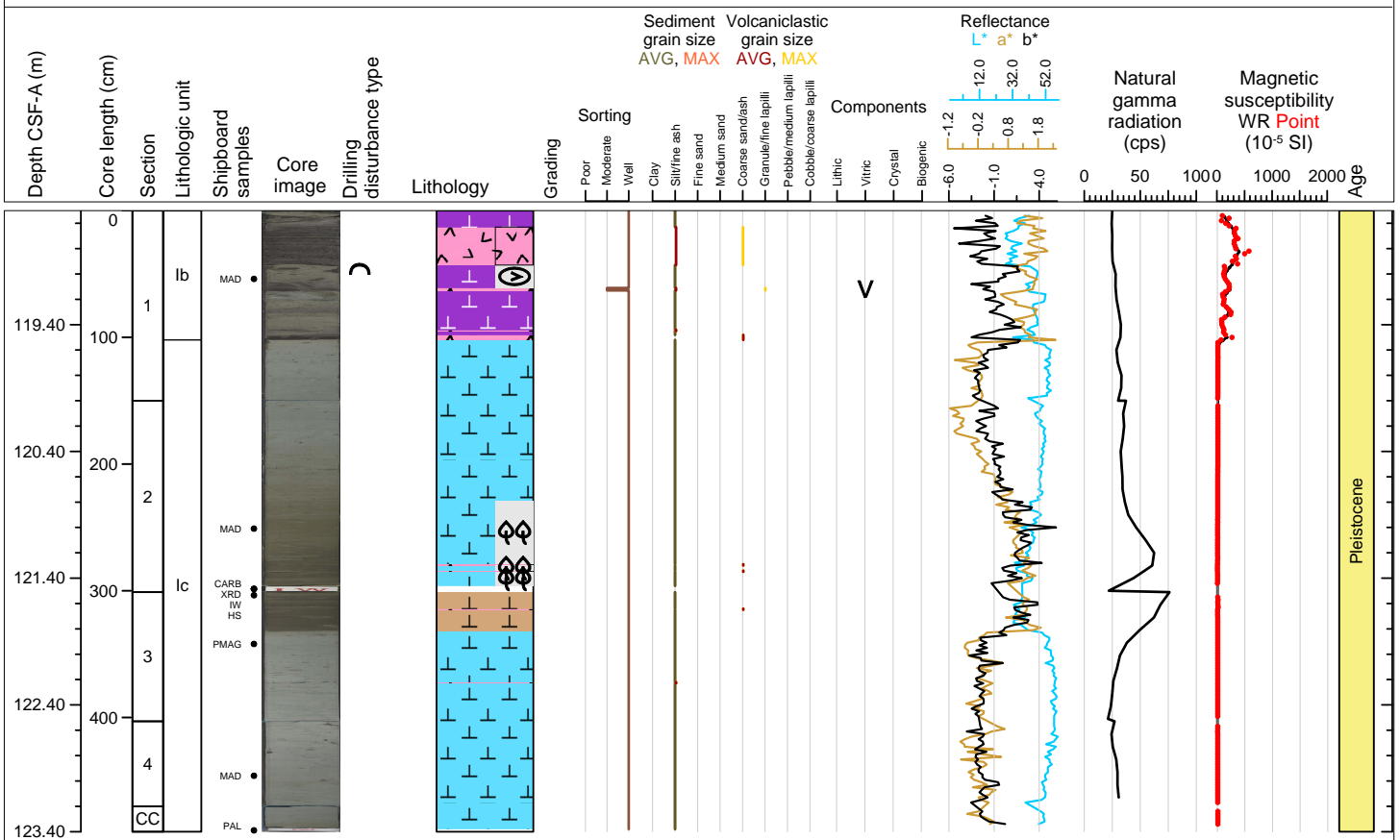
Hole 398-U1599A Core 17F, Interval 113.8-118.8 m (CSF-A)

tuffaceous ooze, ash, tuffaceous ooze with ash pods, lithic crystal ash, ooze, ash with ooze, ash with lapilli, lapilli-ash



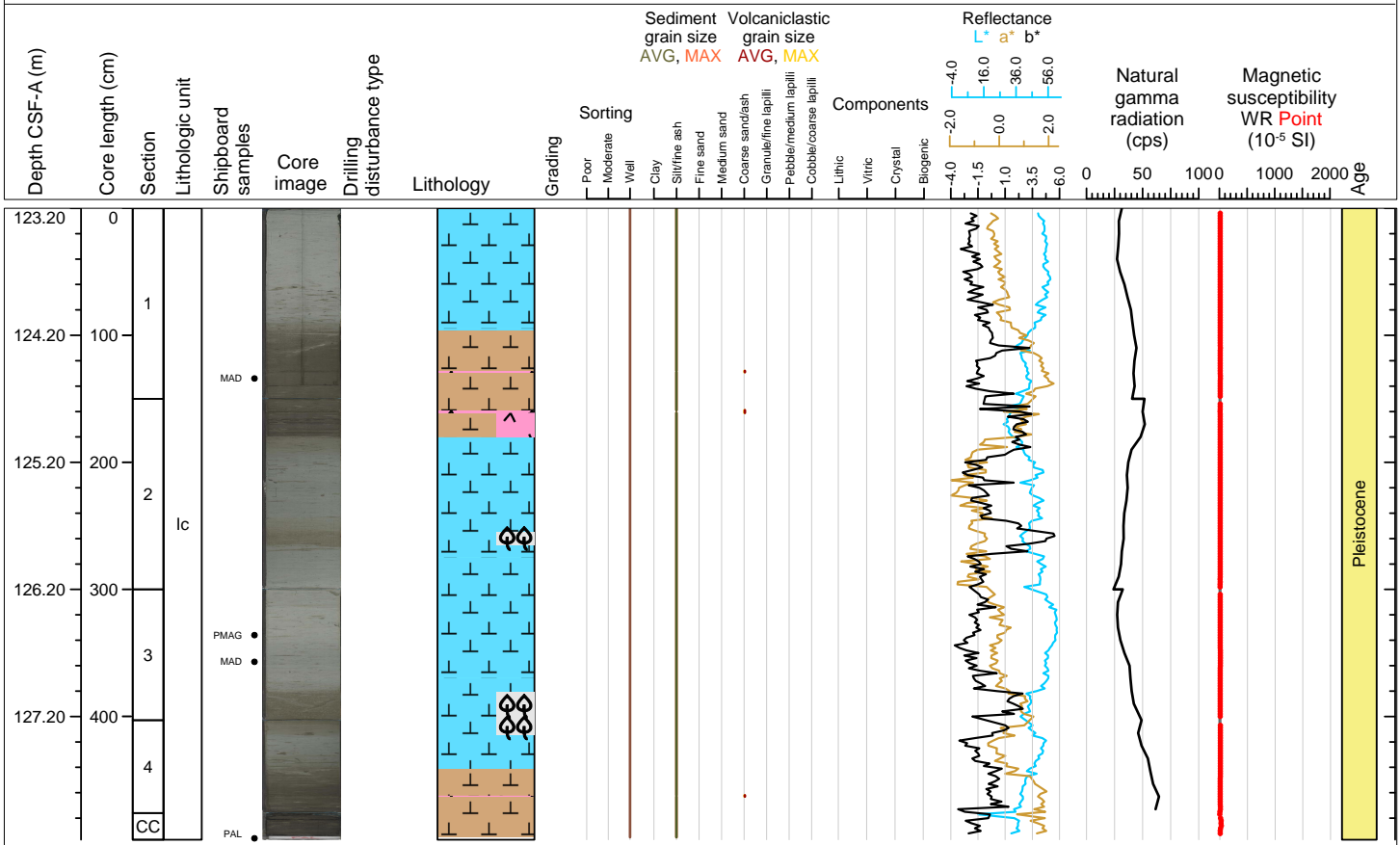
Hole 398-U1599A Core 18F, Interval 118.5-123.4 m (CSF-A)

tuffaceous ooze, alternating ash with tuffaceous mud, tuffaceous ooze with ash pods, ash, tuffaceous ooze, ooze with organic material, organic-rich ooze, ooze



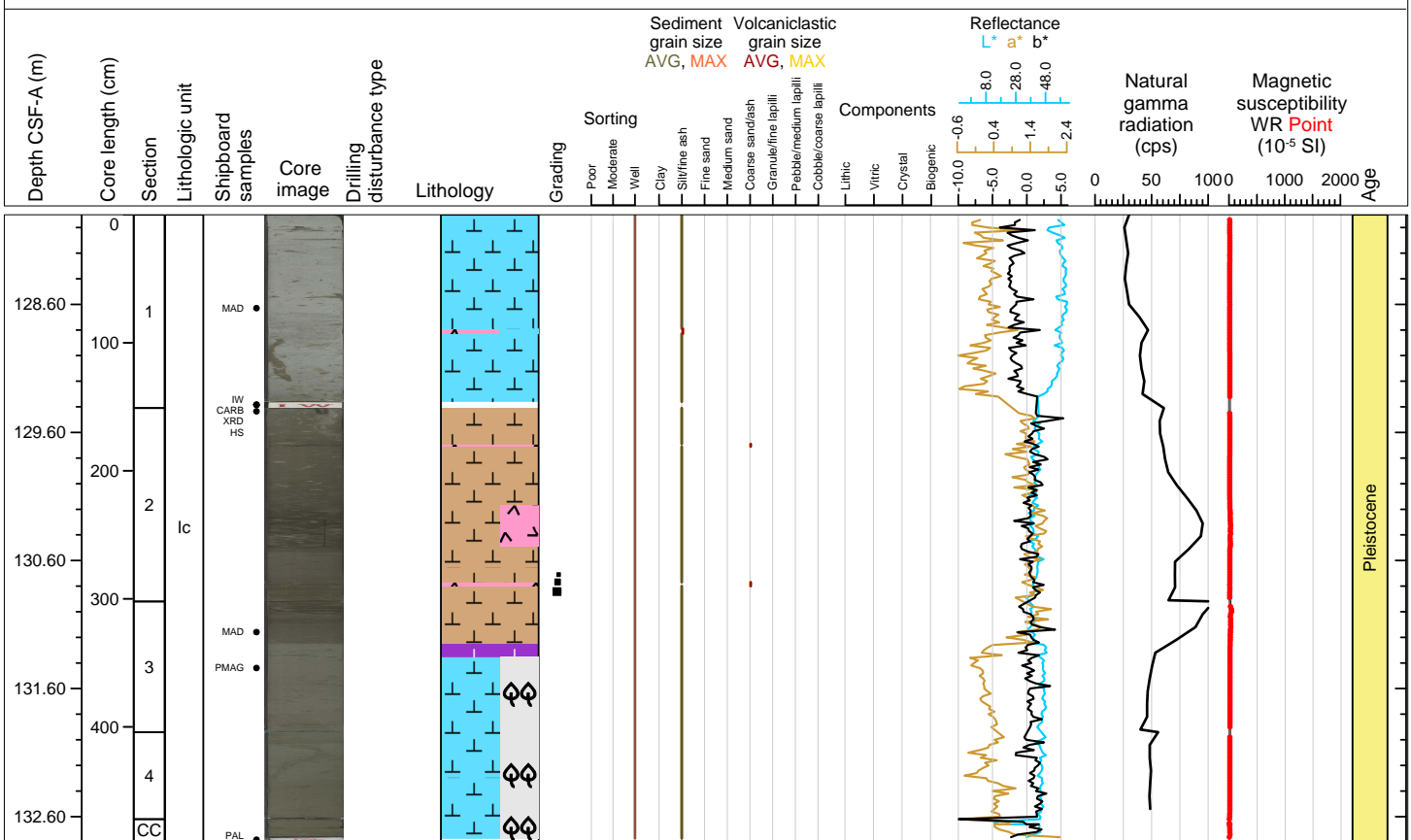
Hole 398-U1599A Core 19F, Interval 123.2-128.17 m (CSF-A)

ooze, organic-rich ooze, ash, organic-rich ooze with ash, ooze with organic material



Hole 398-U1599A Core 20F, Interval 127.9-132.79 m (CSF-A)

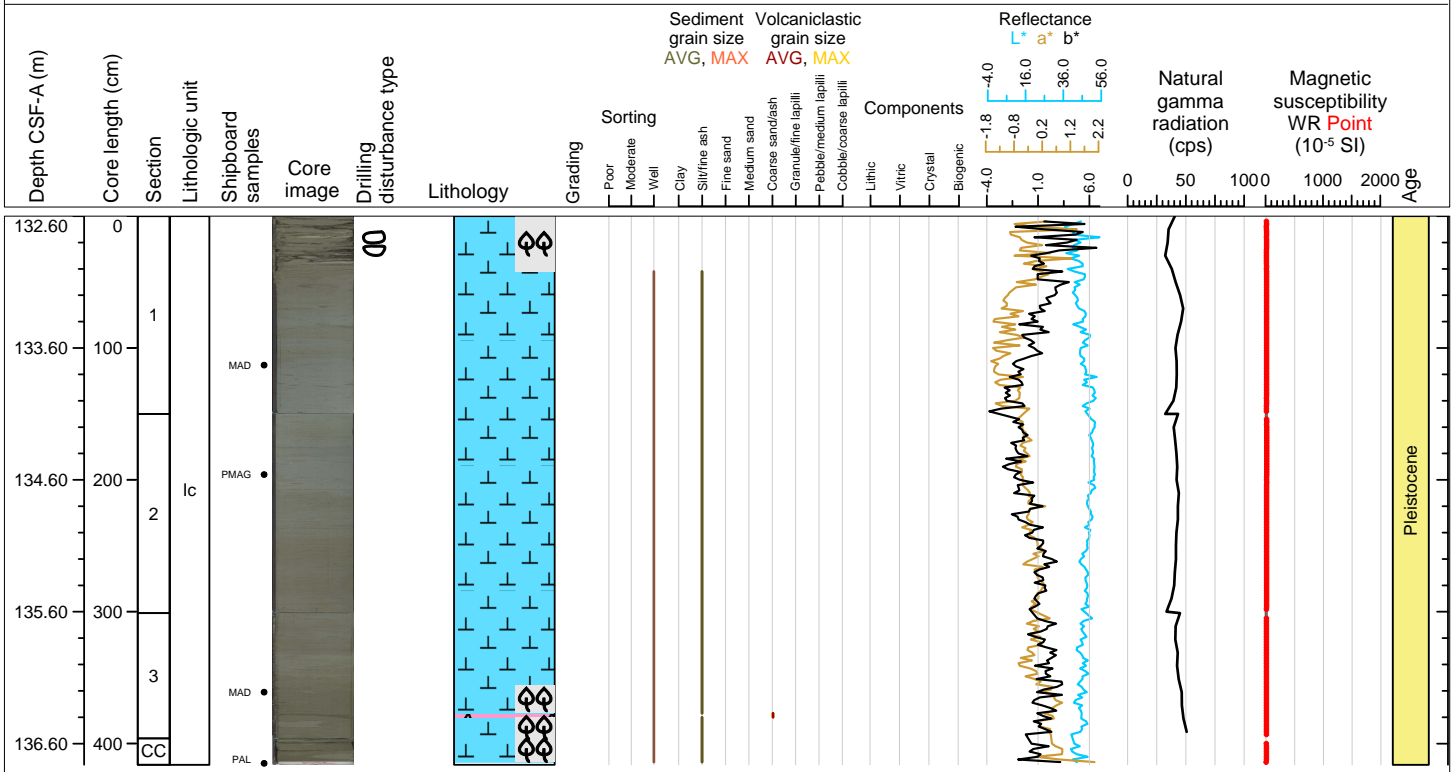
ooze, ash with ooze, organic-rich ooze, ash, organic-rich ooze with ash, tuffaceous ooze, ooze with organic material





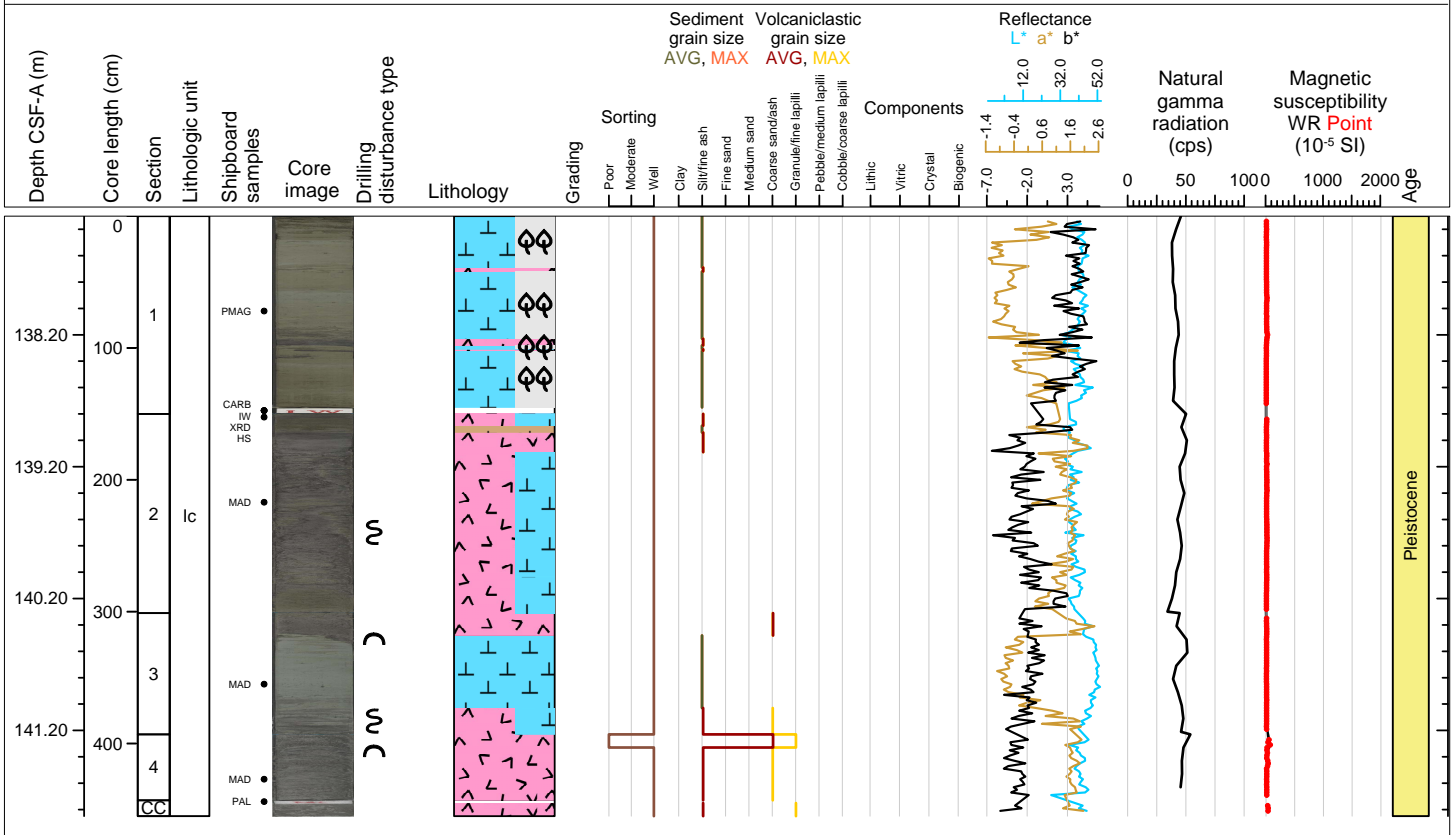
Hole 398-U1599A Core 21F, Interval 132.6-136.76 m (CSF-A)

ooze with organic-material, ooze, ash



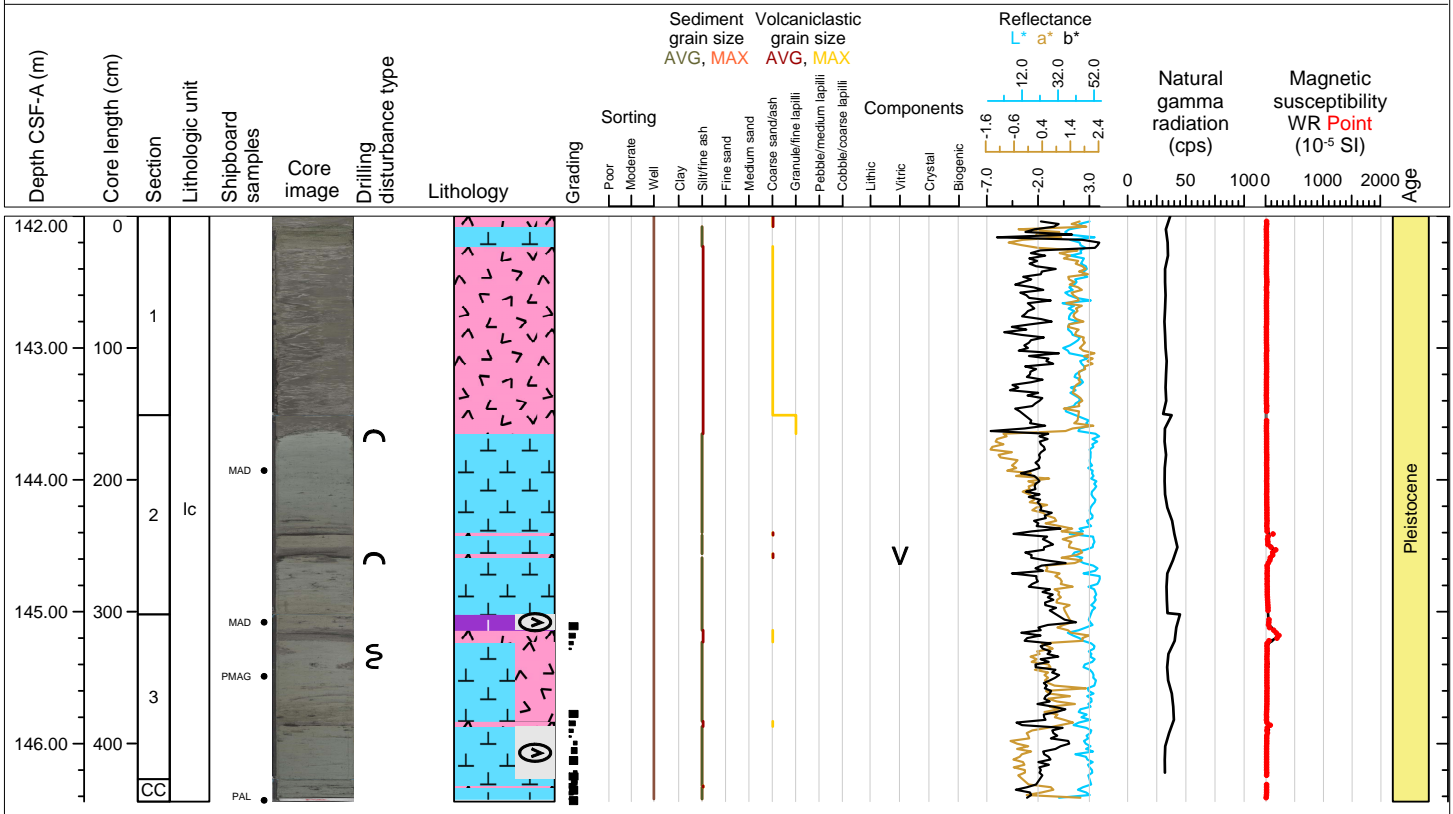
Hole 398-U1599A Core 22F, Interval 137.3-141.85 m (CSF-A)

ooze with organic material, ash, ash with ooze, organic-rich ooze



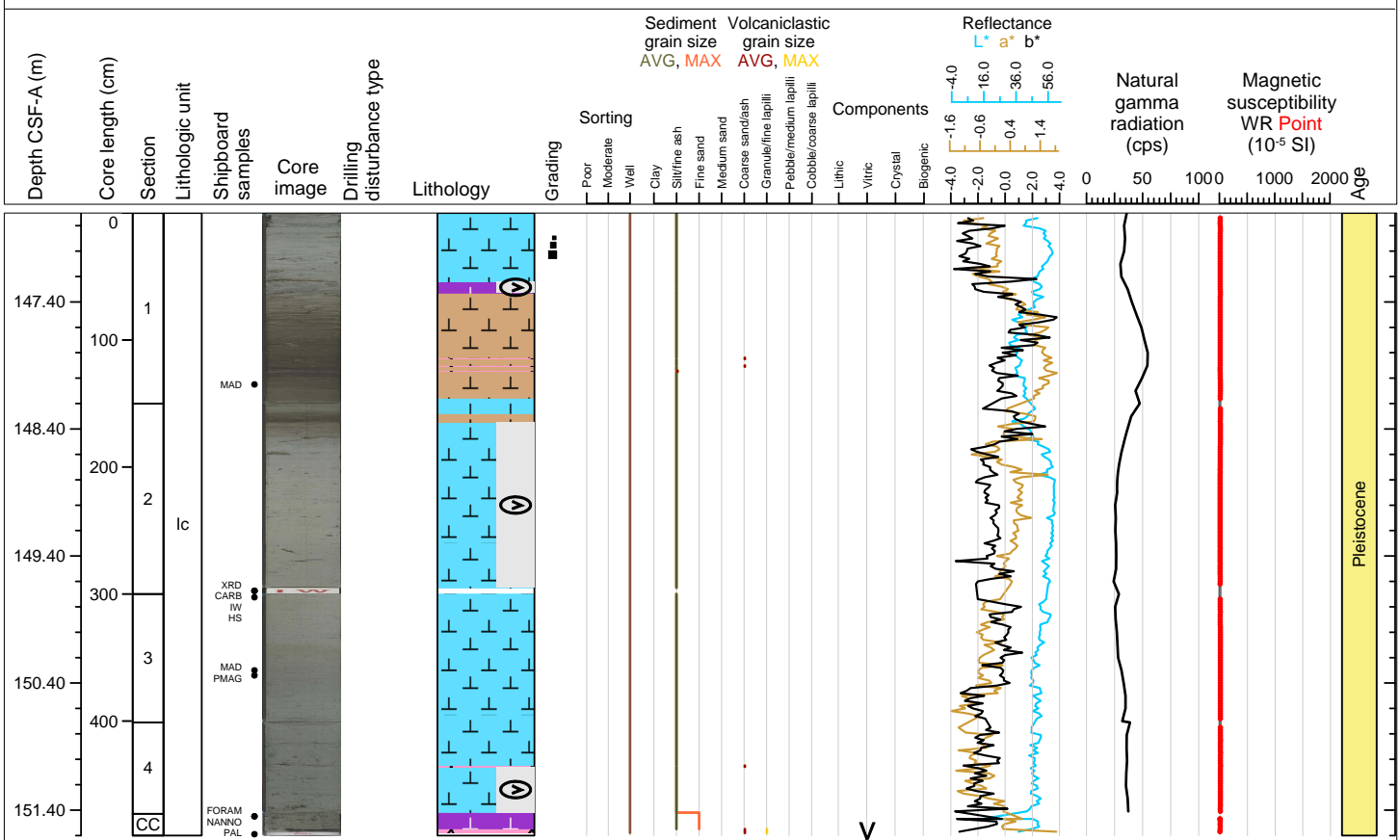
Hole 398-U1599A Core 23F, Interval 142.0-146.44 m (CSF-A)

ash, ooze, crystal ash, tuffaceous ooze with ash pods, ooze with ash, ooze with ash pods



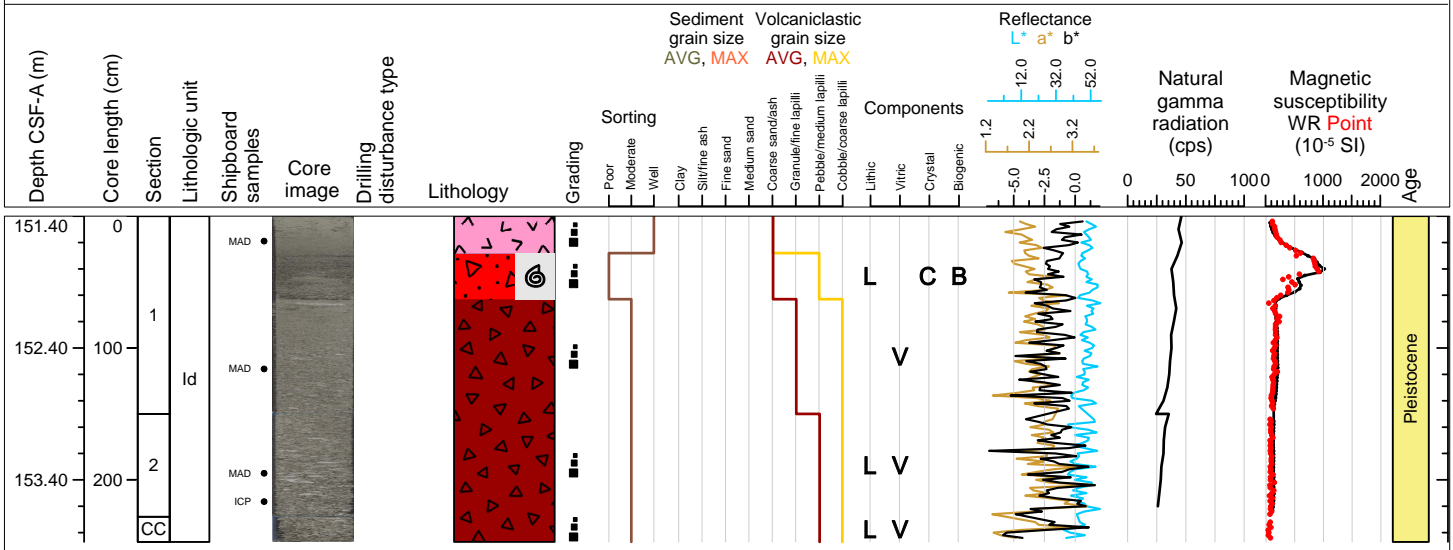
Hole 398-U1599A Core 24F, Interval 146.7-151.6 m (CSF-A)

ooze, tuffaceous ooze with ash pods, ash, organic-rich ooze, ooze with ash pods, tuffaceous ooze



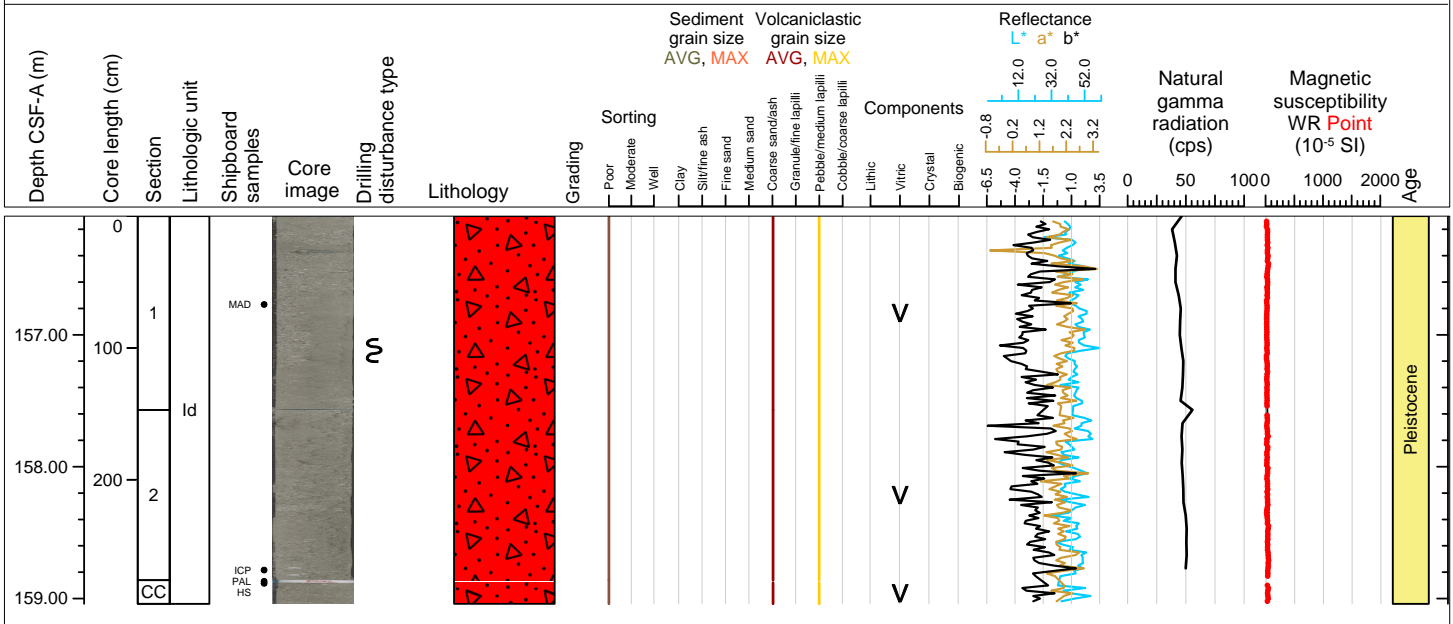
Hole 398-U1599A Core 25F, Interval 151.4-153.87 m (CSF-A)

ash, lithic, crystal lapilli-ash with shells, lapilli



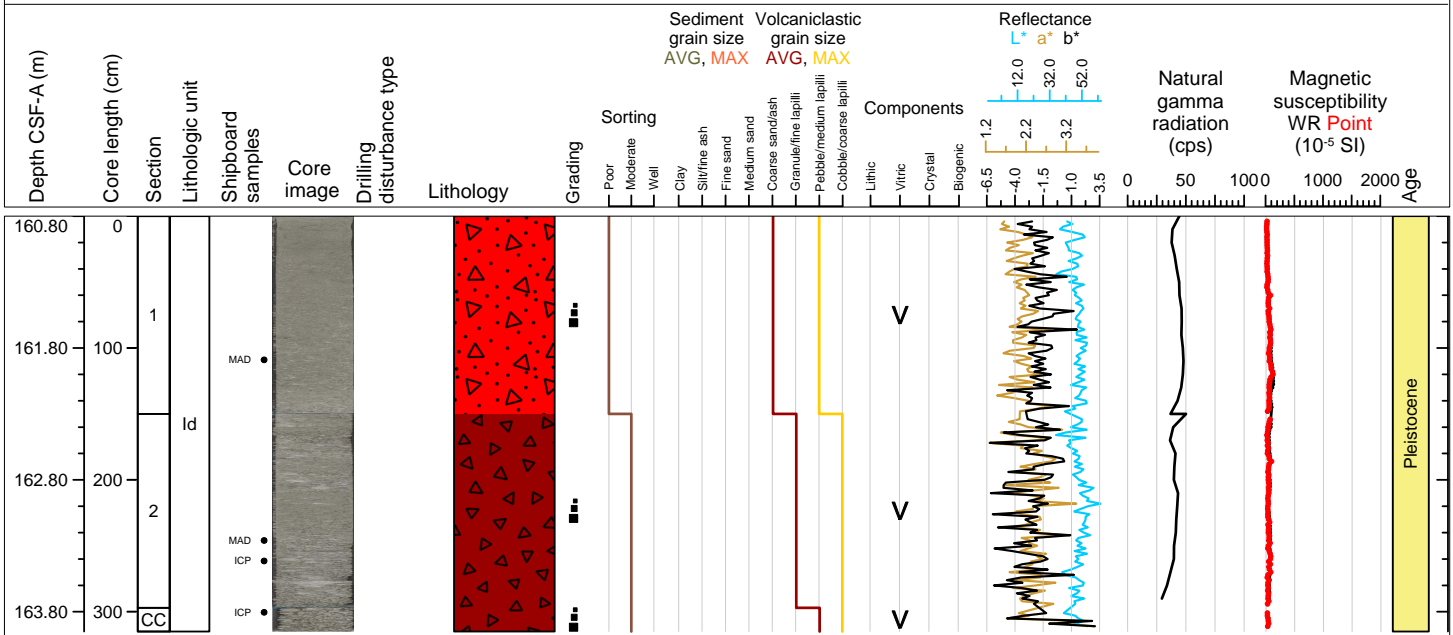
Hole 398-U1599A Core 26F, Interval 156.1-159.04 m (CSF-A)

lapilli-ash



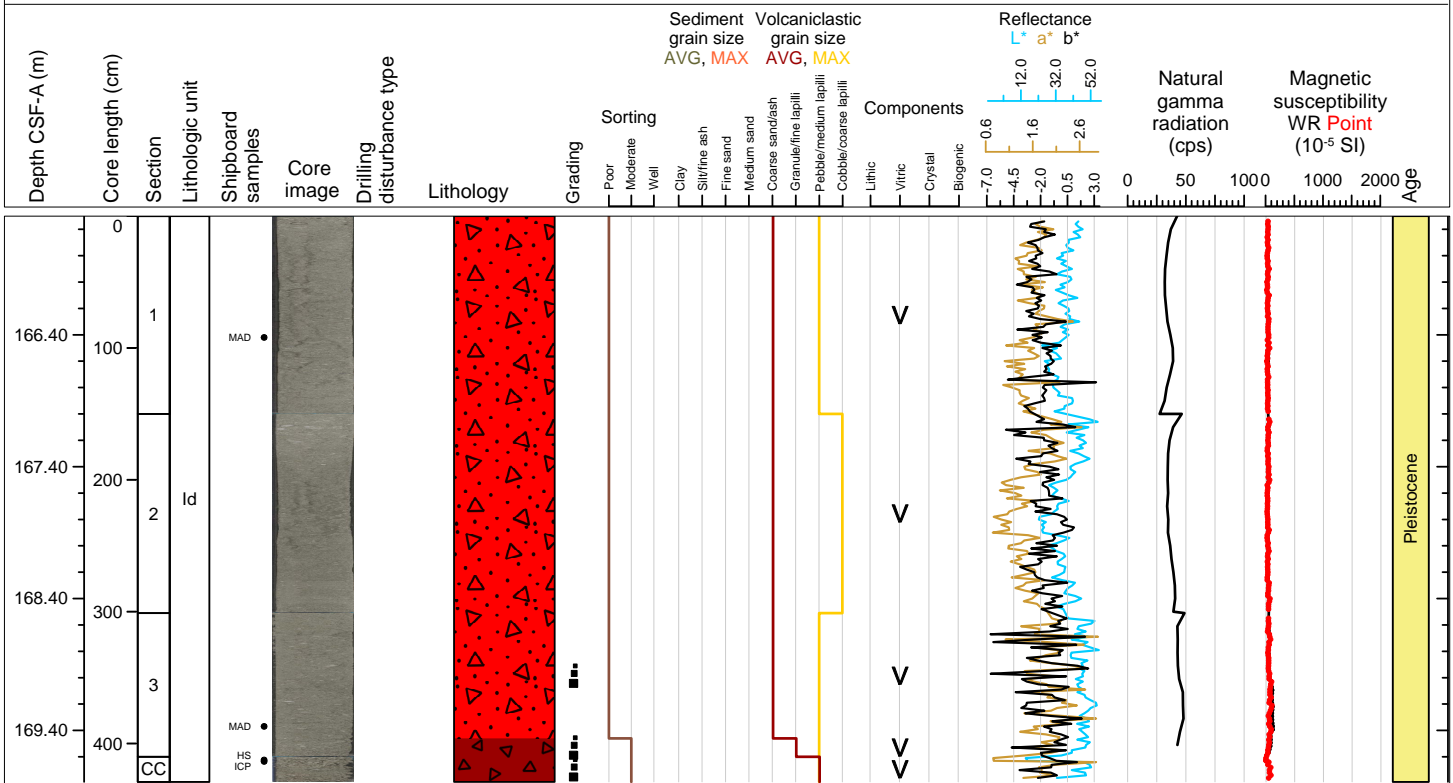
Hole 398-U1599A Core 27F, Interval 160.8-163.95 m (CSF-A)

lapilli-ash, lapilli



Hole 398-U1599A Core 28F, Interval 165.5-169.79 m (CSF-A)

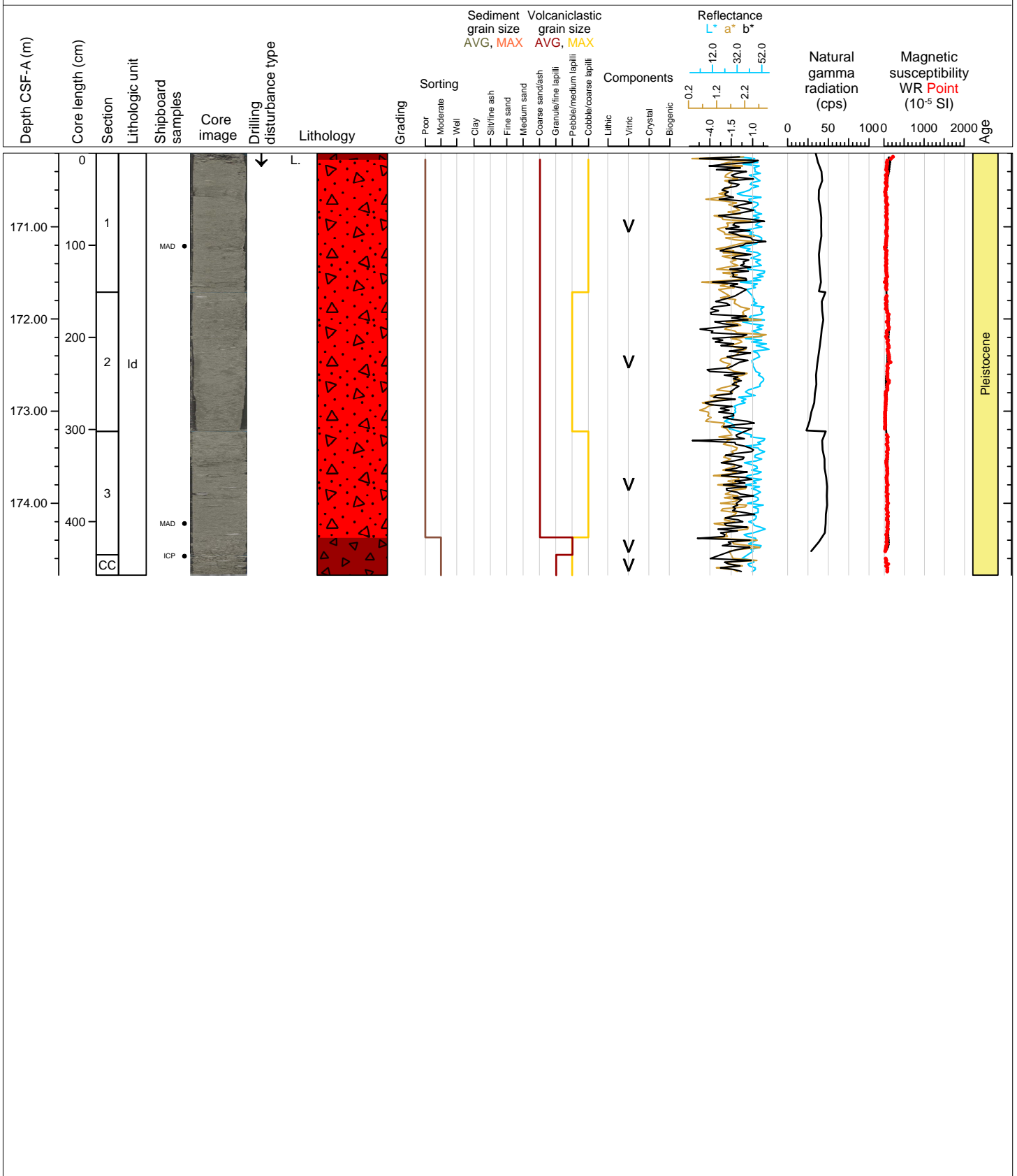
lapilli-ash, lapilli





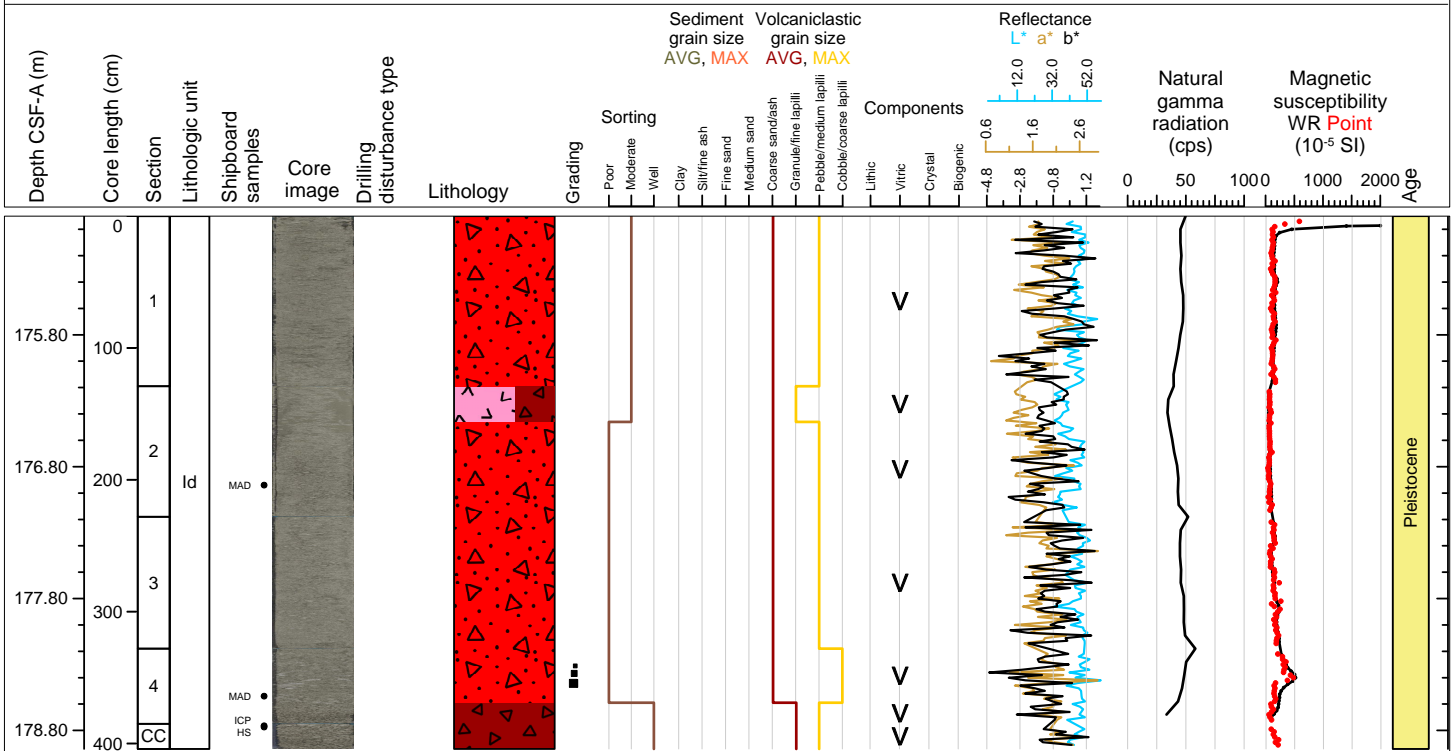
Hole 398-U1599A Core 29F, Interval 170.2-174.78 m (CSF-A)

vitric, lithic lapilli, lapilli, lapilli-ash



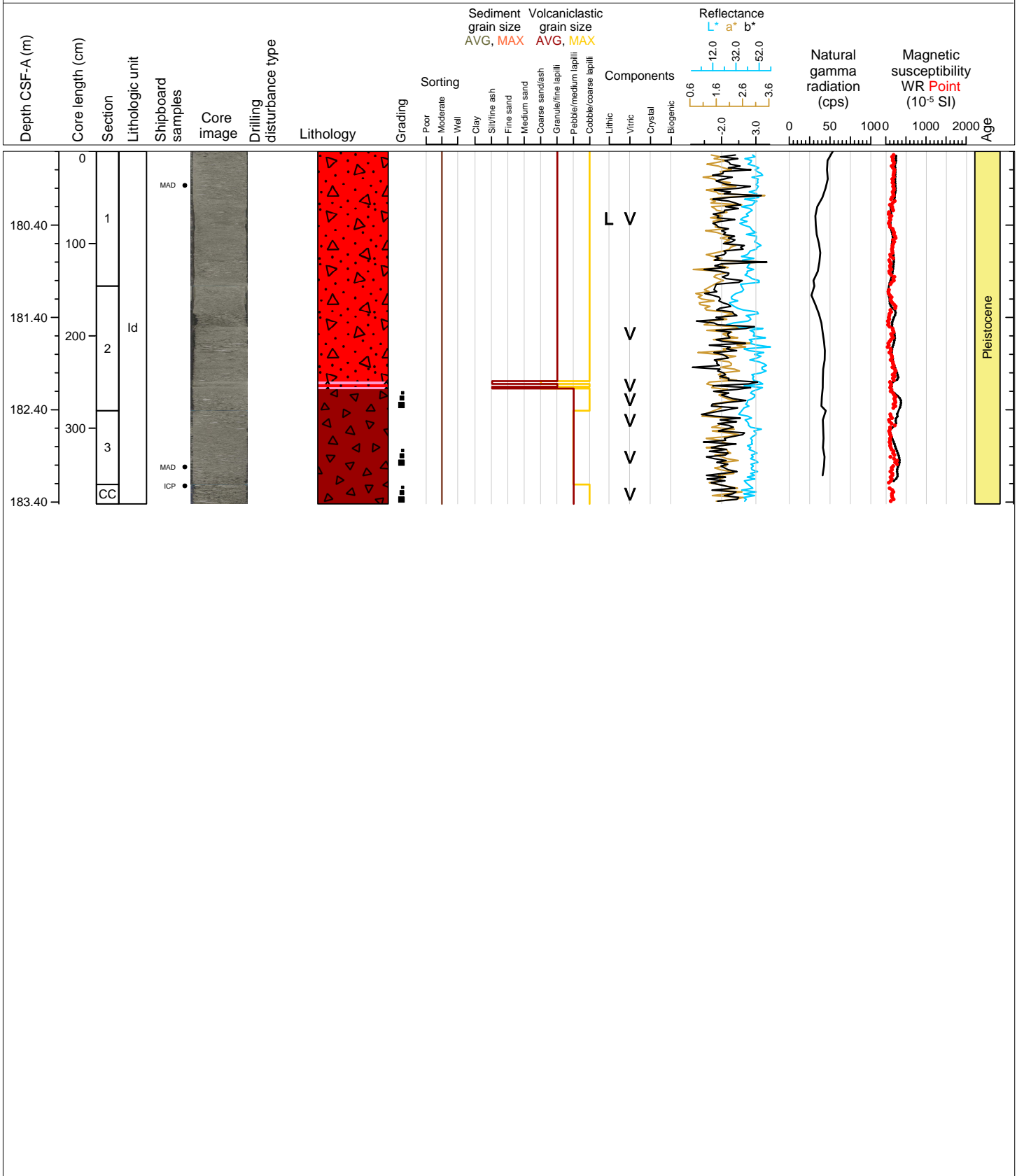
Hole 398-U1599A Core 30F, Interval 174.9-178.94 m (CSF-A)

lapilli-ash, ash with lapilli, lapilli



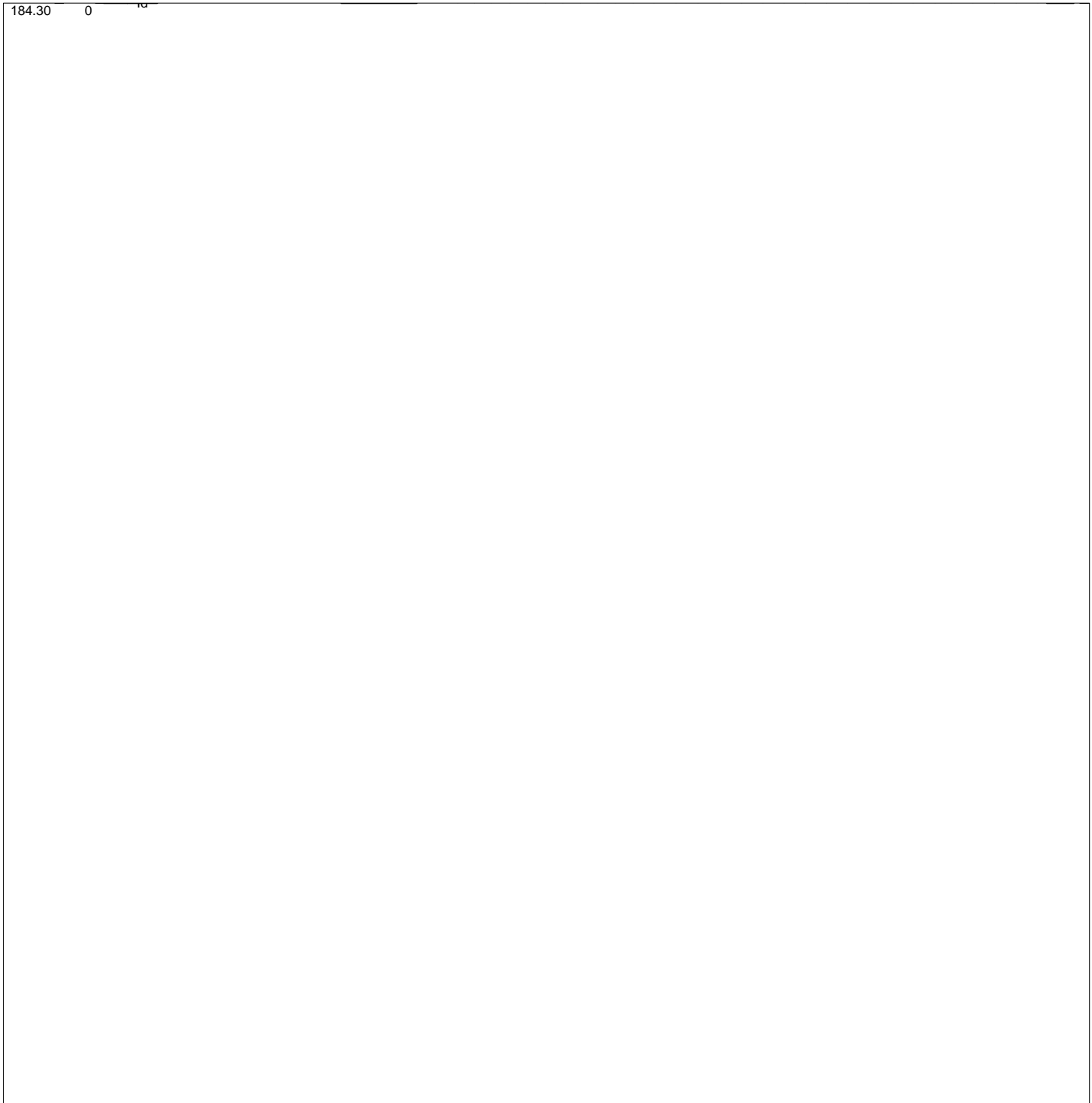
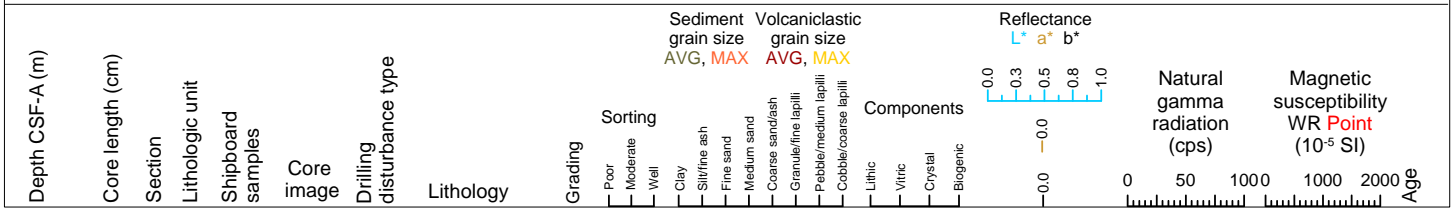
Hole 398-U1599A Core 31F, Interval 179.6-183.42 m (CSF-A)

lapilli, lapilli-ash, ash



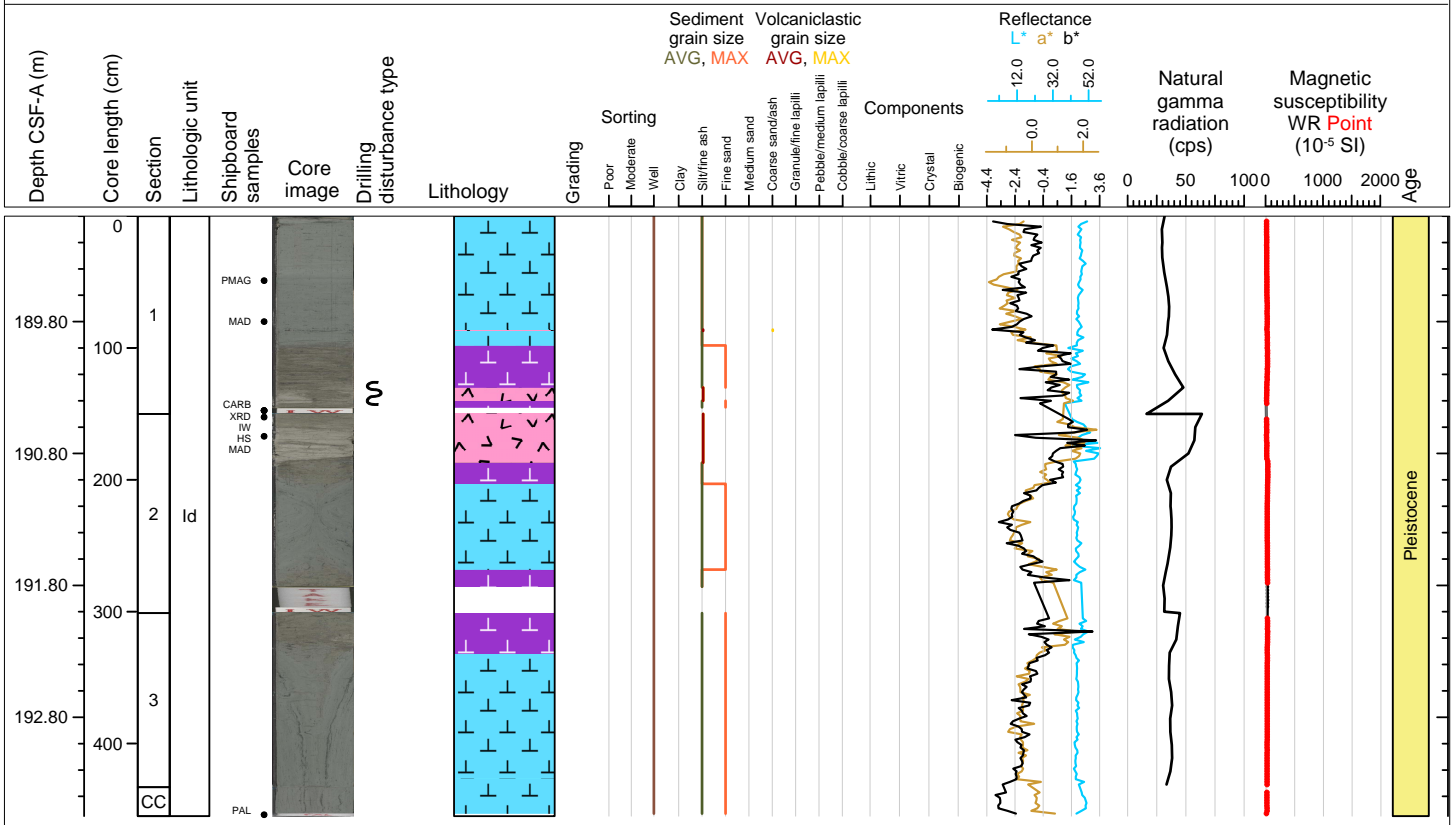
Hole 398-U1599A Core 32F, Interval 184.3-184.3 m (CSF-A)

NO RECOVERY 184.3-189.0 m



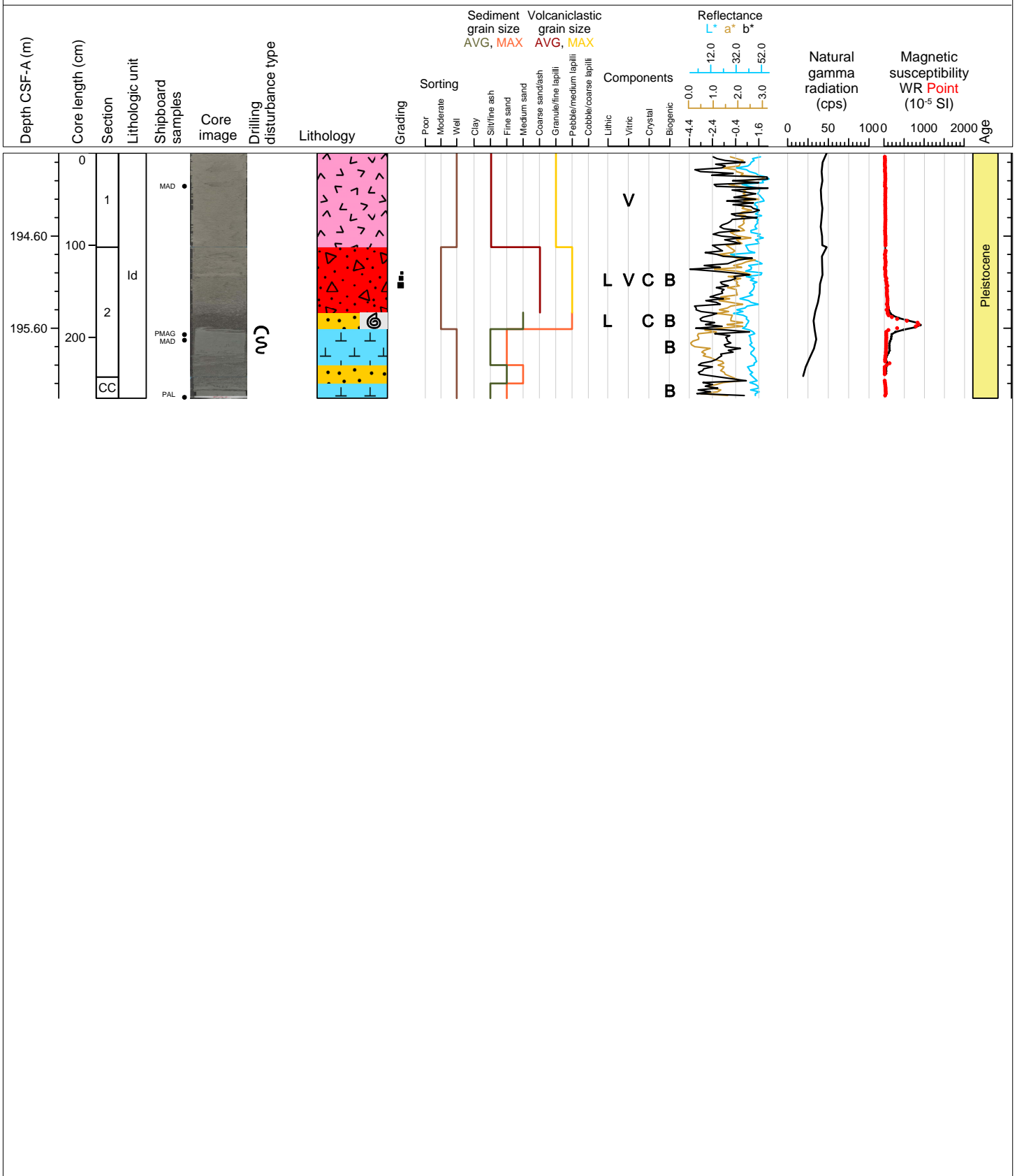
Hole 398-U1599A Core 33F, Interval 189.0-193.55 m (CSF-A)

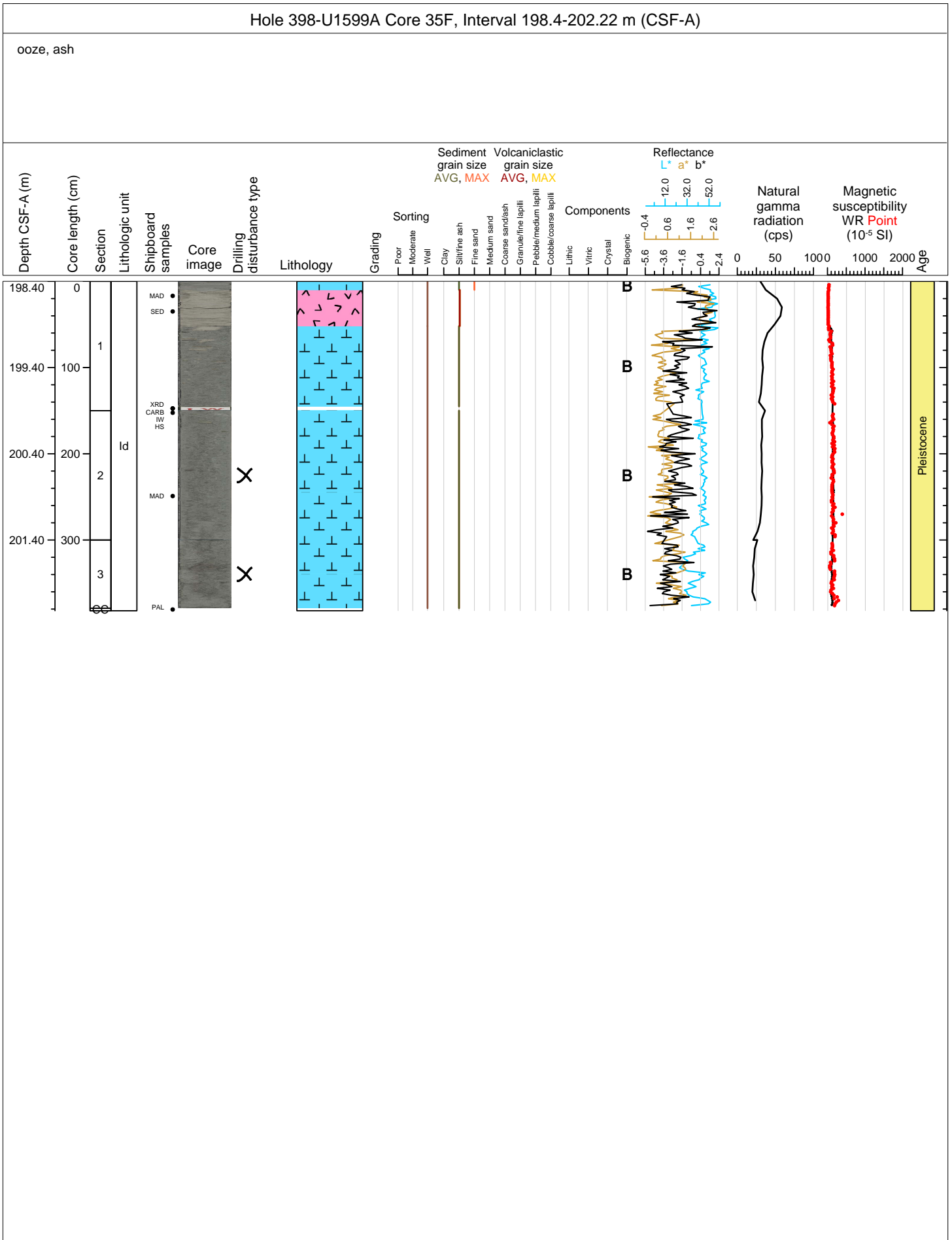
ooze, ash, tuffaceous ooze, ooze, ash



Hole 398-U1599A Core 34F, Interval 193.7-196.36 m (CSF-A)

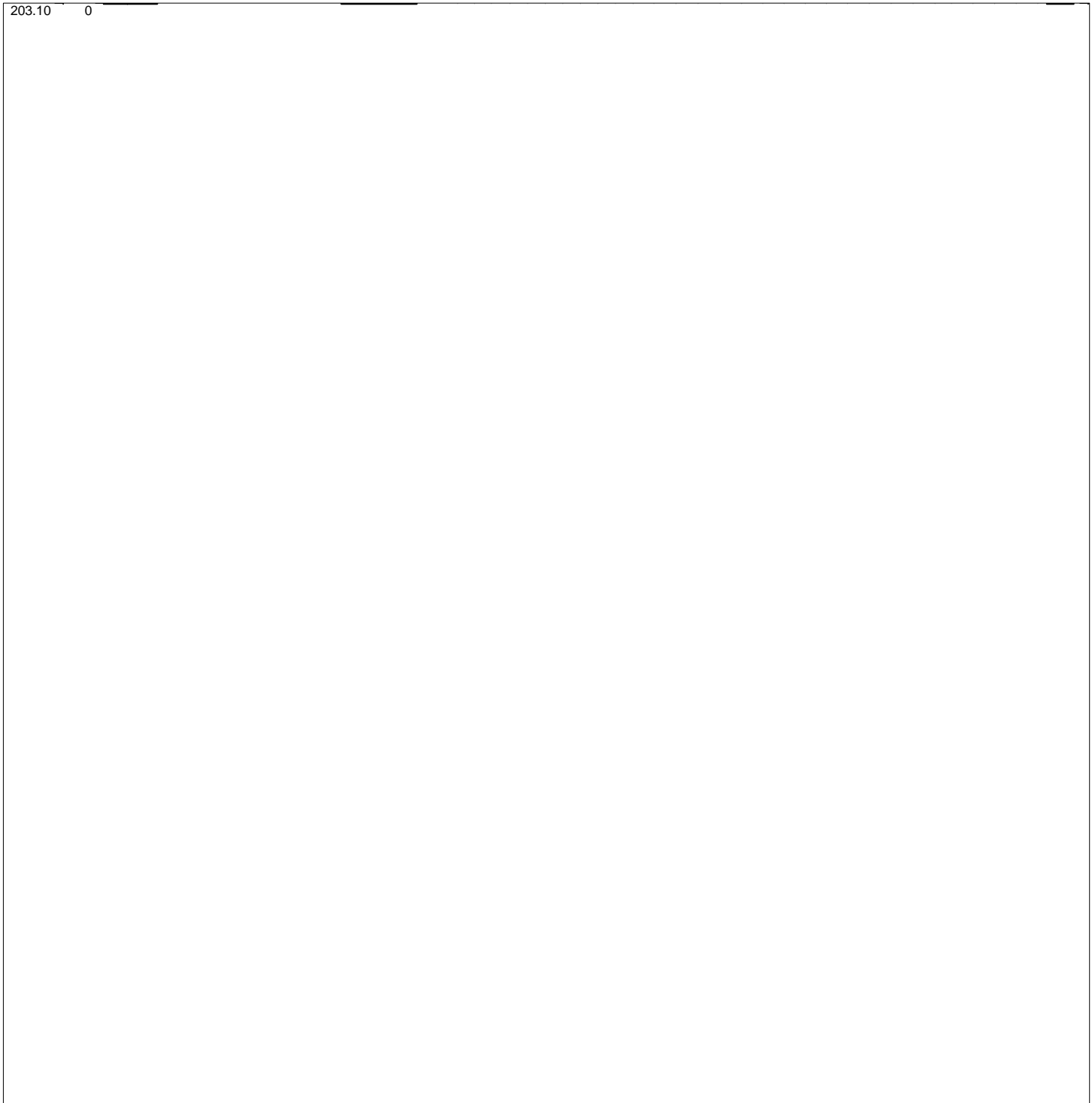
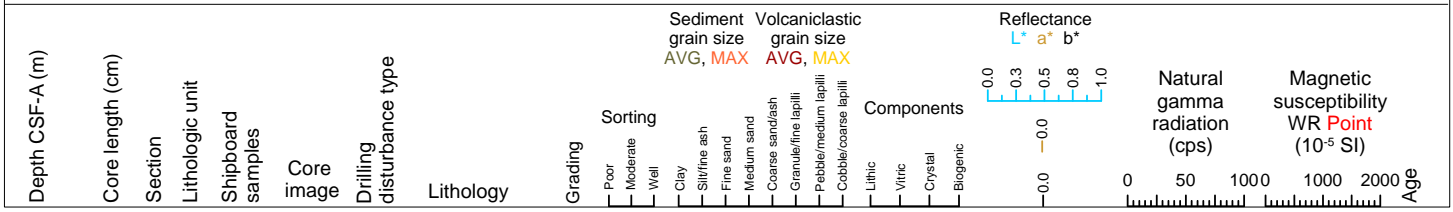
ash, lapilli-ash, sand with shells, ooze, sand





Hole 398-U1599A Core 36F, Interval 203.1-203.11 m (CSF-A)

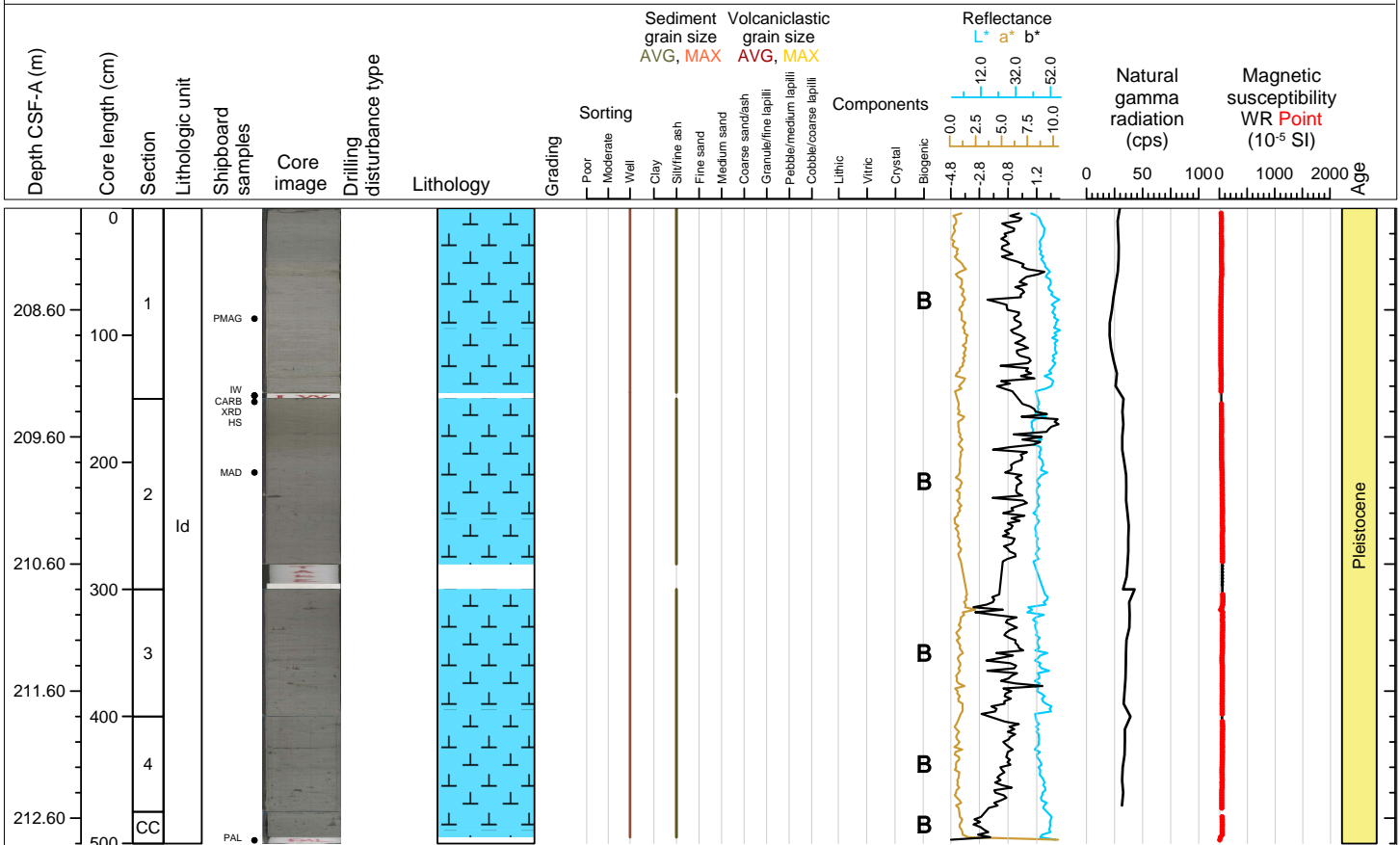
NO RECOVERY 203.1-207.8 m





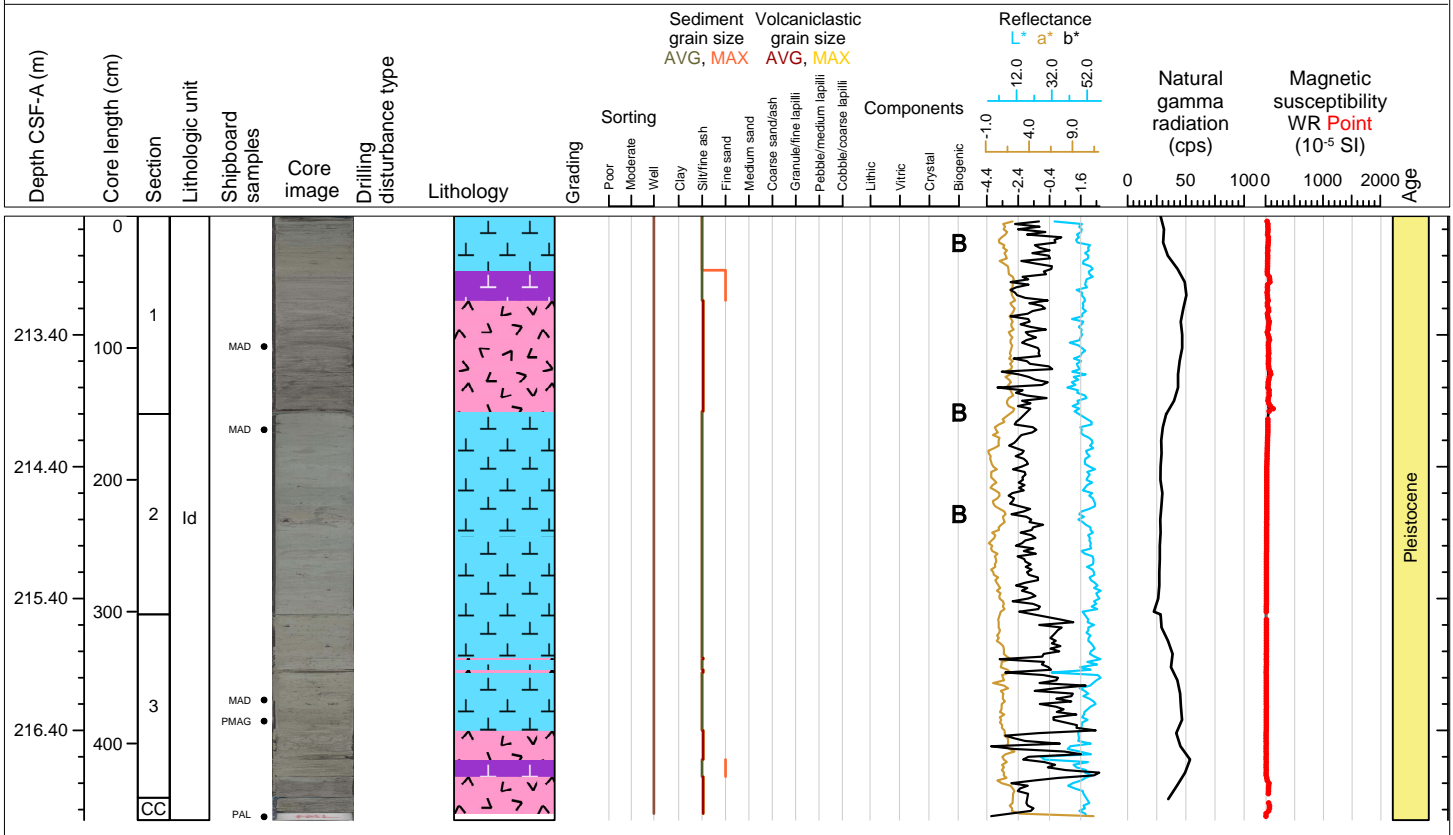
Hole 398-U1599A Core 37F, Interval 207.8-212.8 m (CSF-A)

ooze



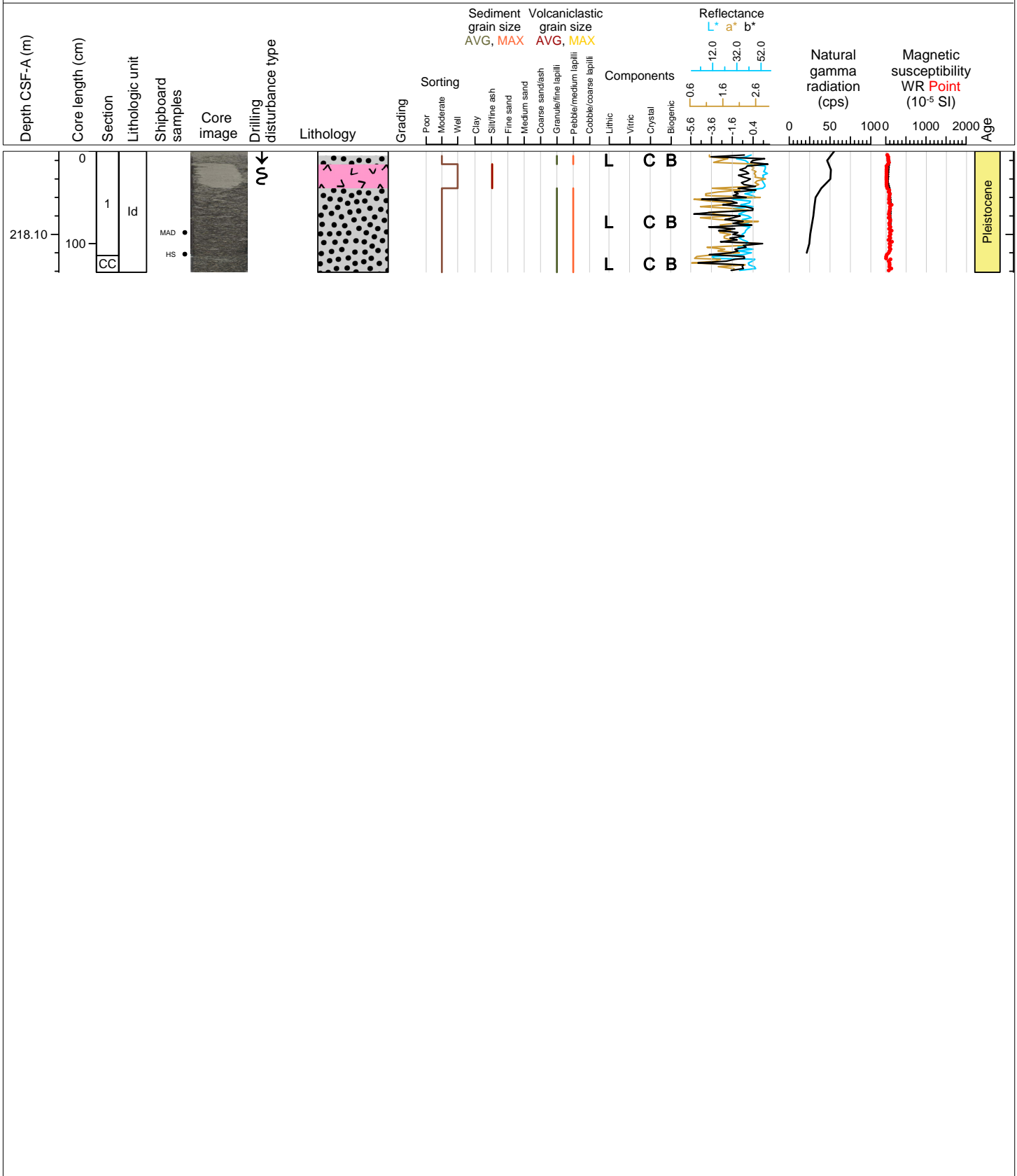
Hole 398-U1599A Core 38F, Interval 212.5-217.08 m (CSF-A)

ooze, tuffaceous ooze, ash



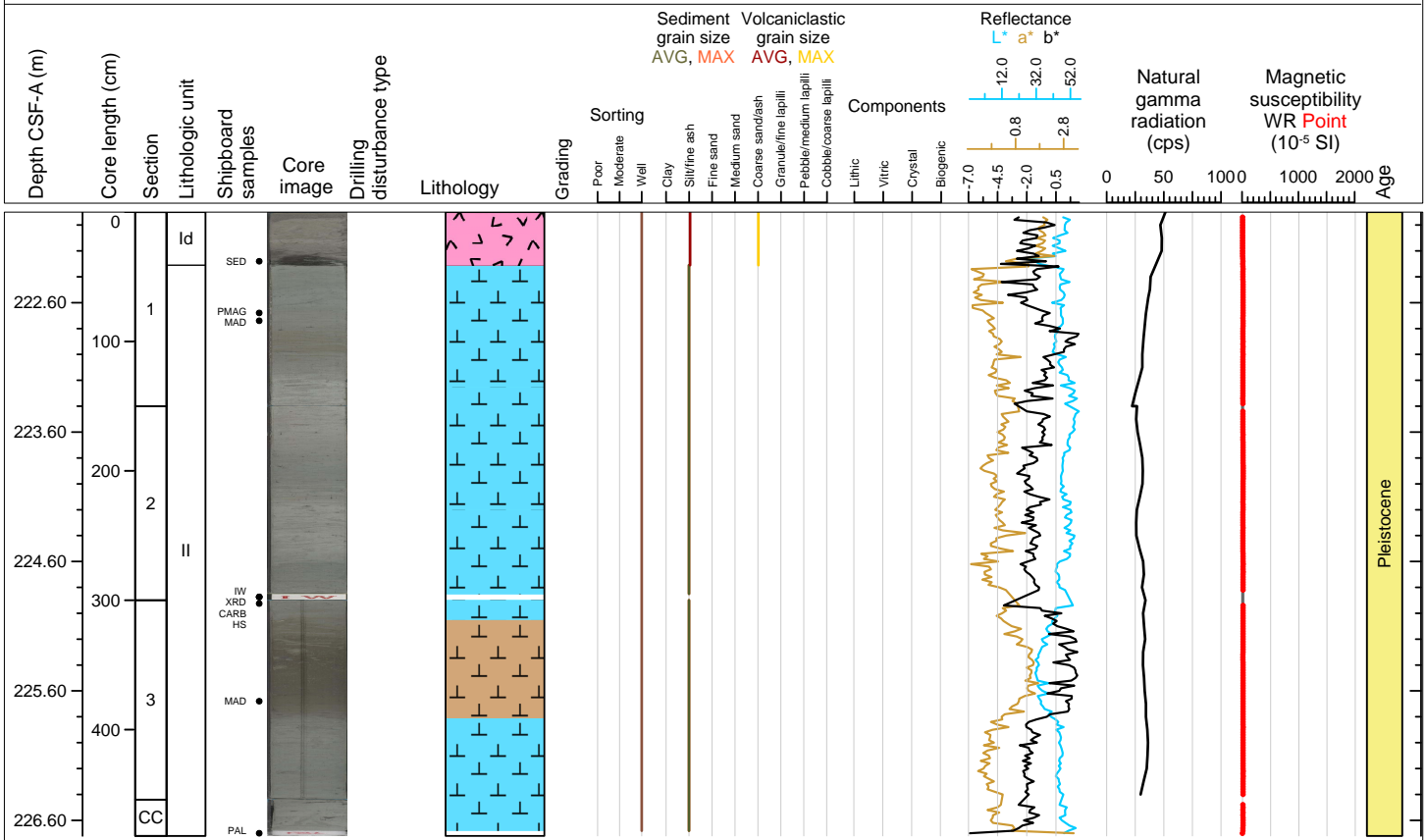
Hole 398-U1599A Core 39F, Interval 217.2-218.51 m (CSF-A)

gravel, ash, ooze



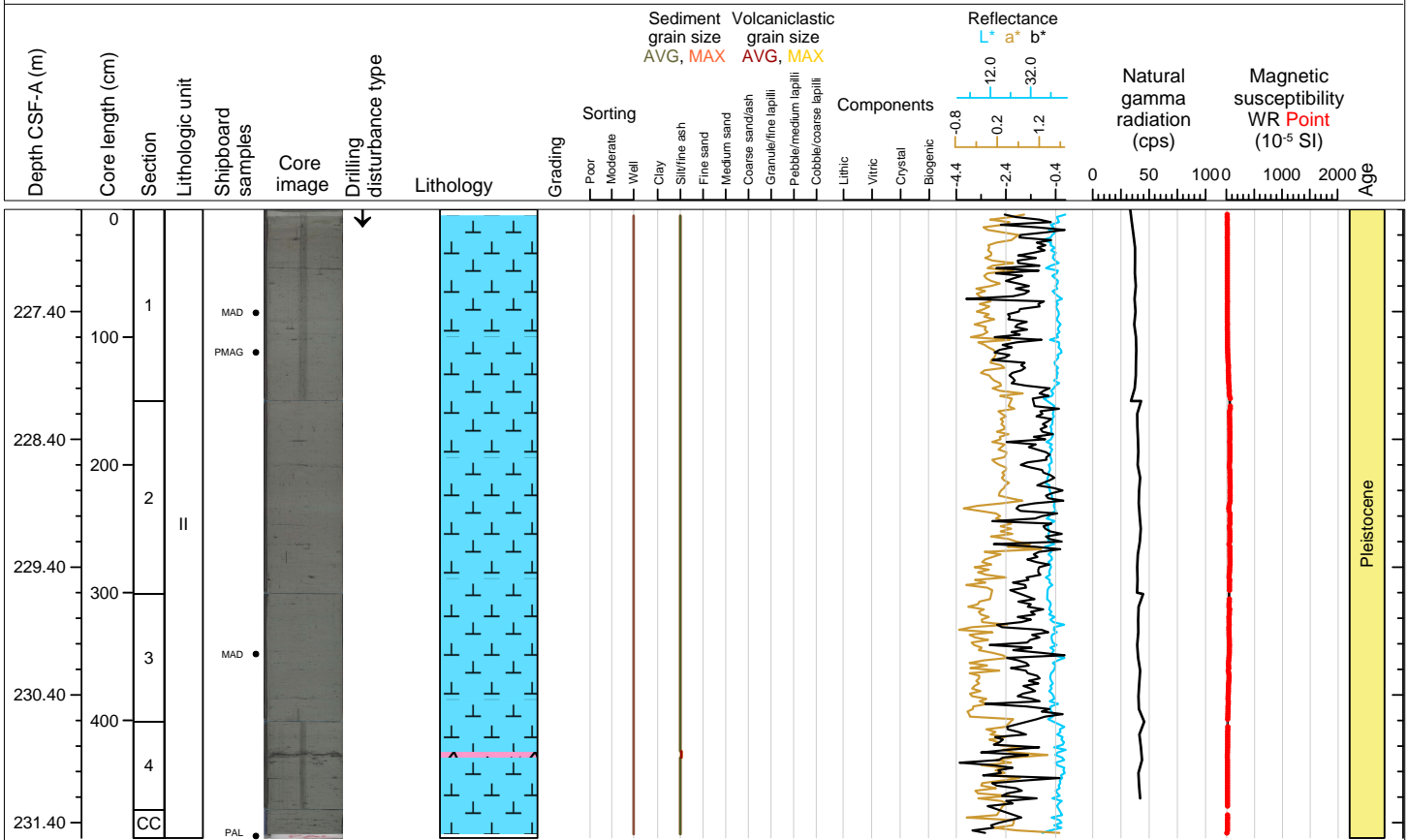
Hole 398-U1599A Core 40F, Interval 221.9-226.72 m (CSF-A)

ooze, organic-rich ooze



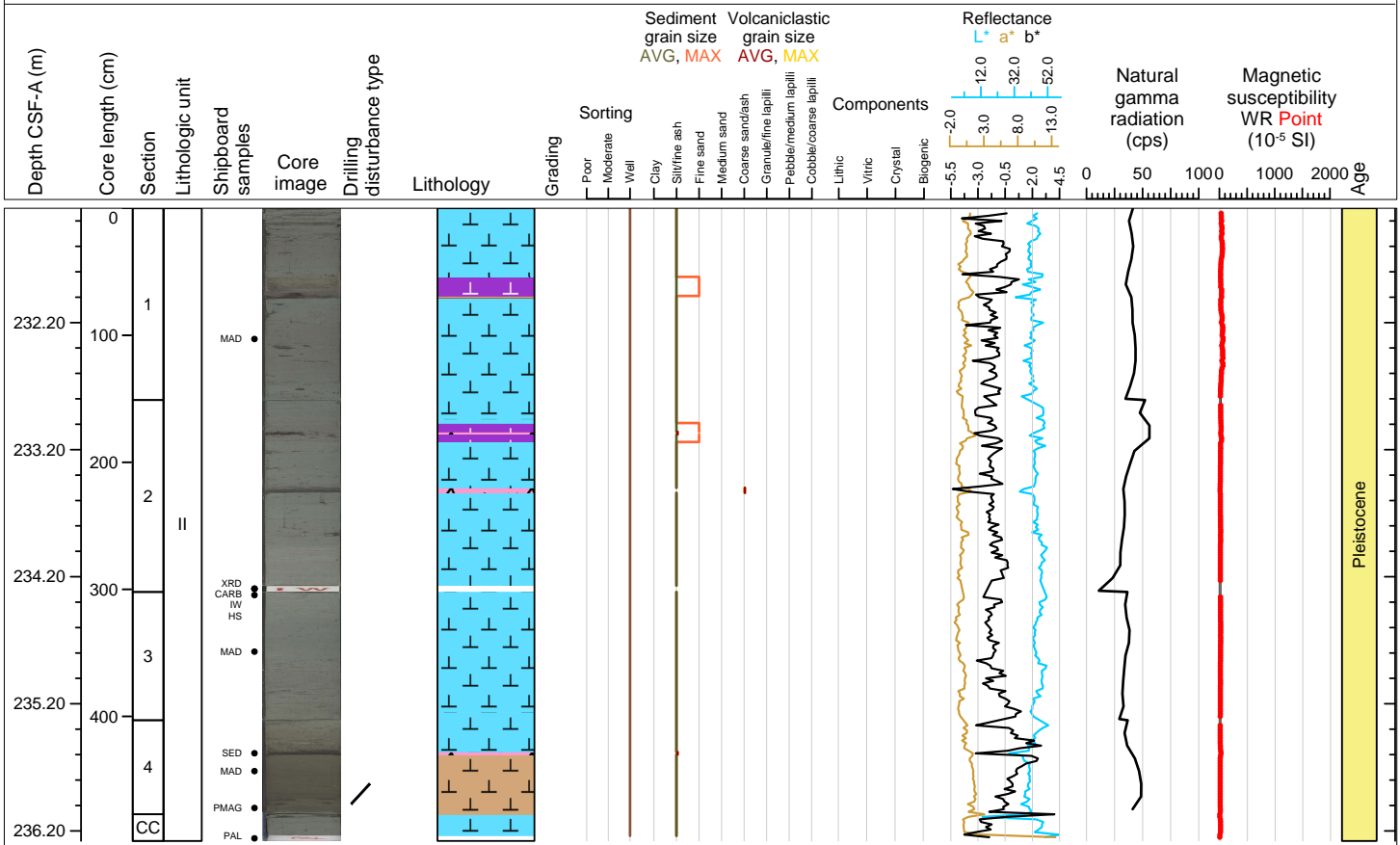
Hole 398-U1599A Core 41F, Interval 226.6-231.52 m (CSF-A)

ooze, ash



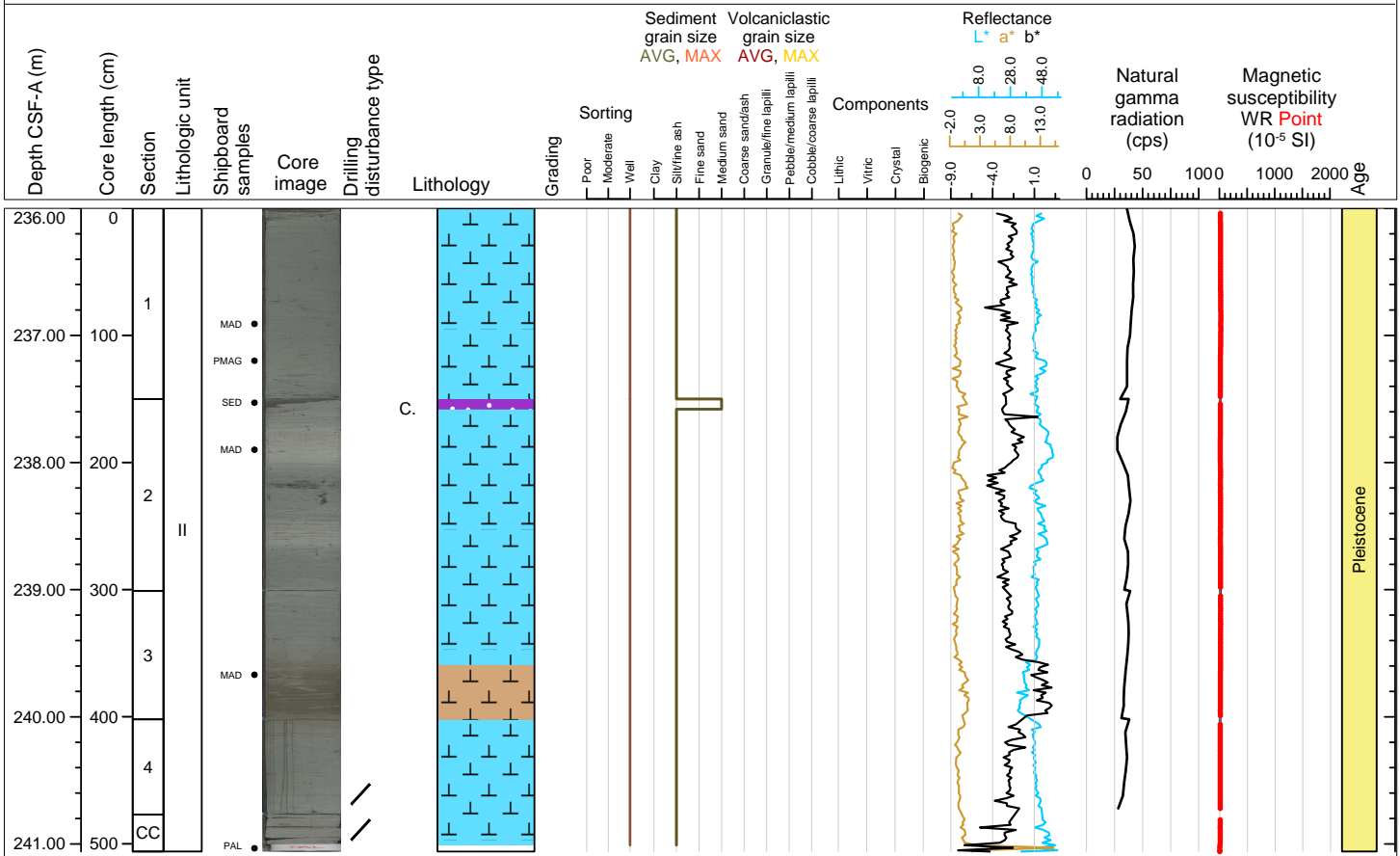
Hole 398-U1599A Core 42F, Interval 231.3-236.28 m (CSF-A)

ooze, organic-rich ooze, tuffaceous ooze, calcareous mud, ash



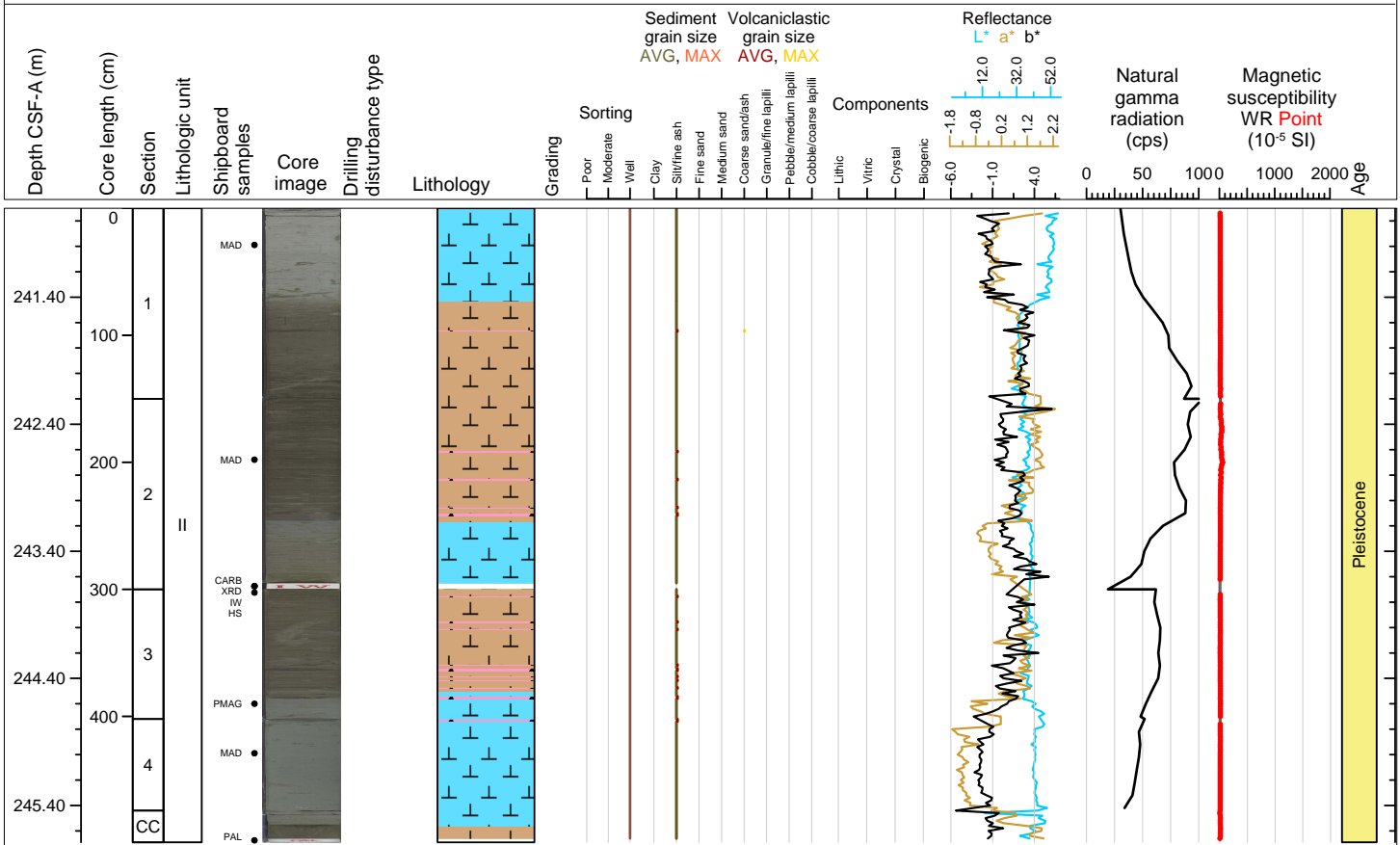
Hole 398-U1599A Core 43F, Interval 236.0-241.06 m (CSF-A)

ash, ooze, organic-rich ooze, calcareous tuffaceous sand



Hole 398-U1599A Core 44F, Interval 240.7-245.69 m (CSF-A)

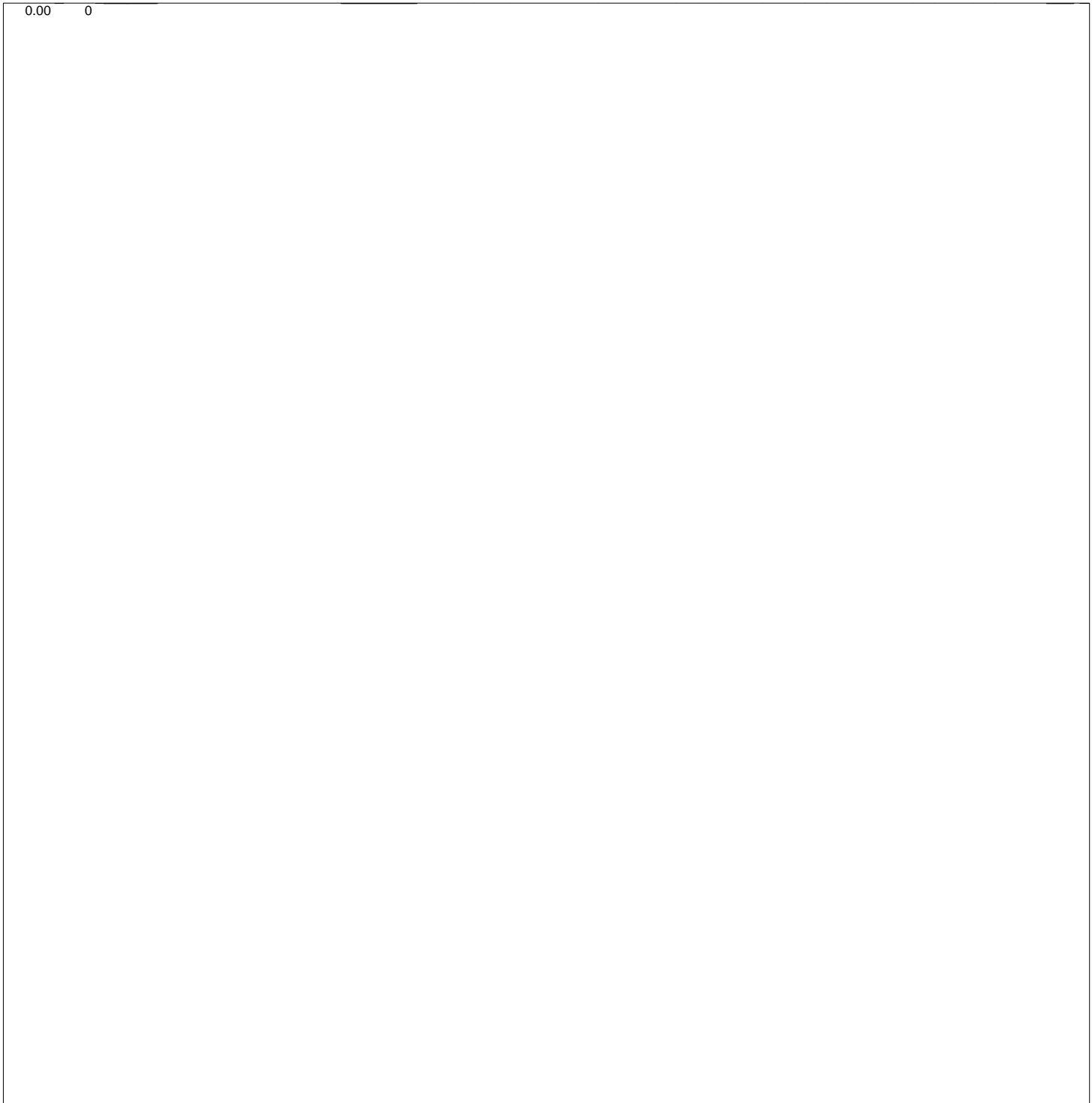
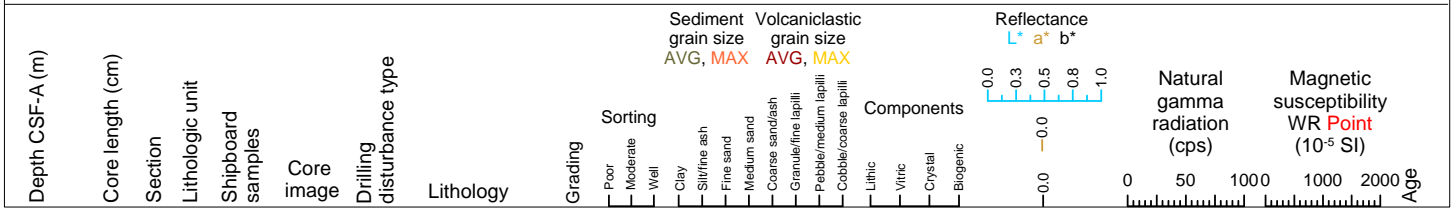
ooze, organic-rich ooze, ash

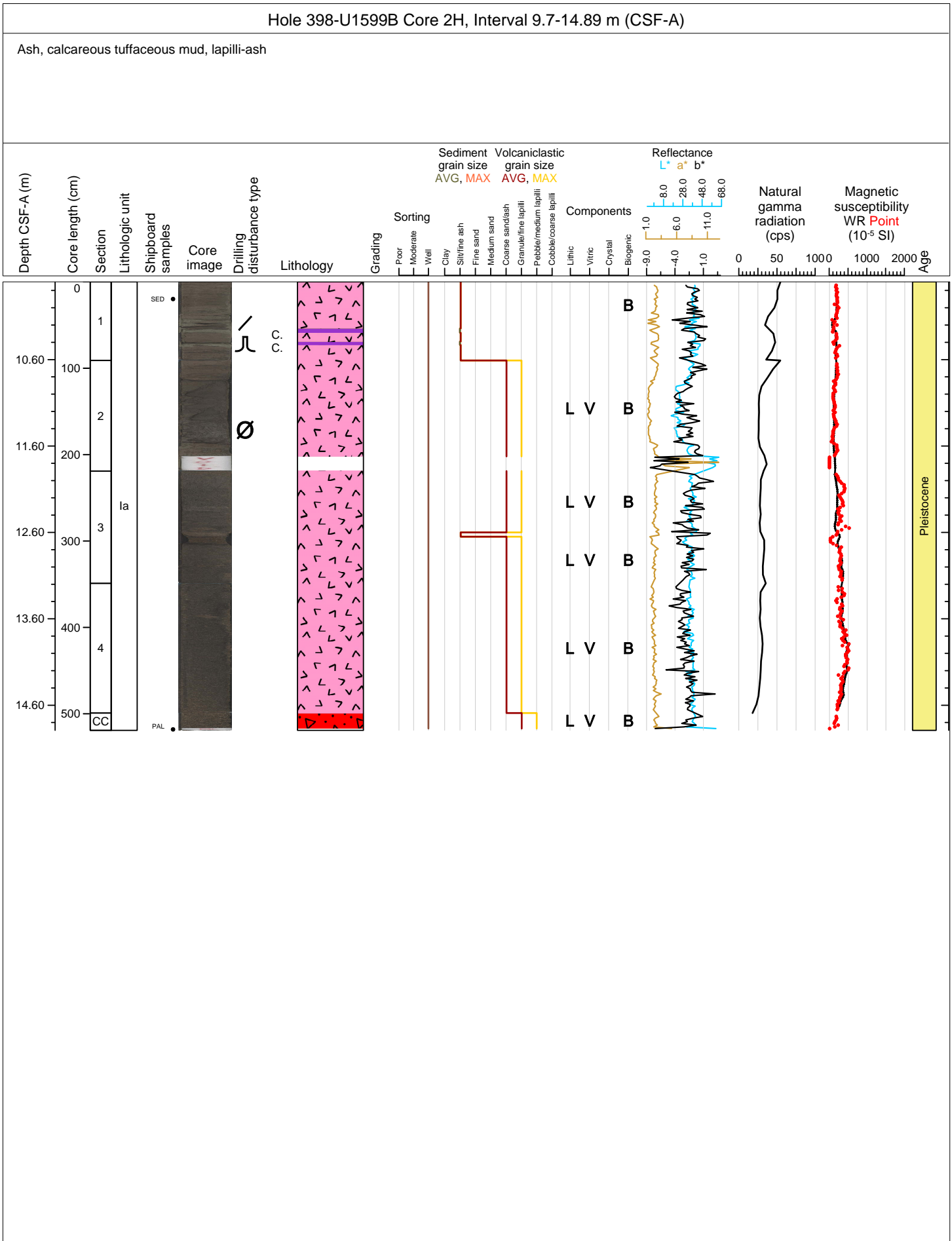




Hole 398-U1599B Core 1X, Interval 0.0-0.0 m (CSF-A)

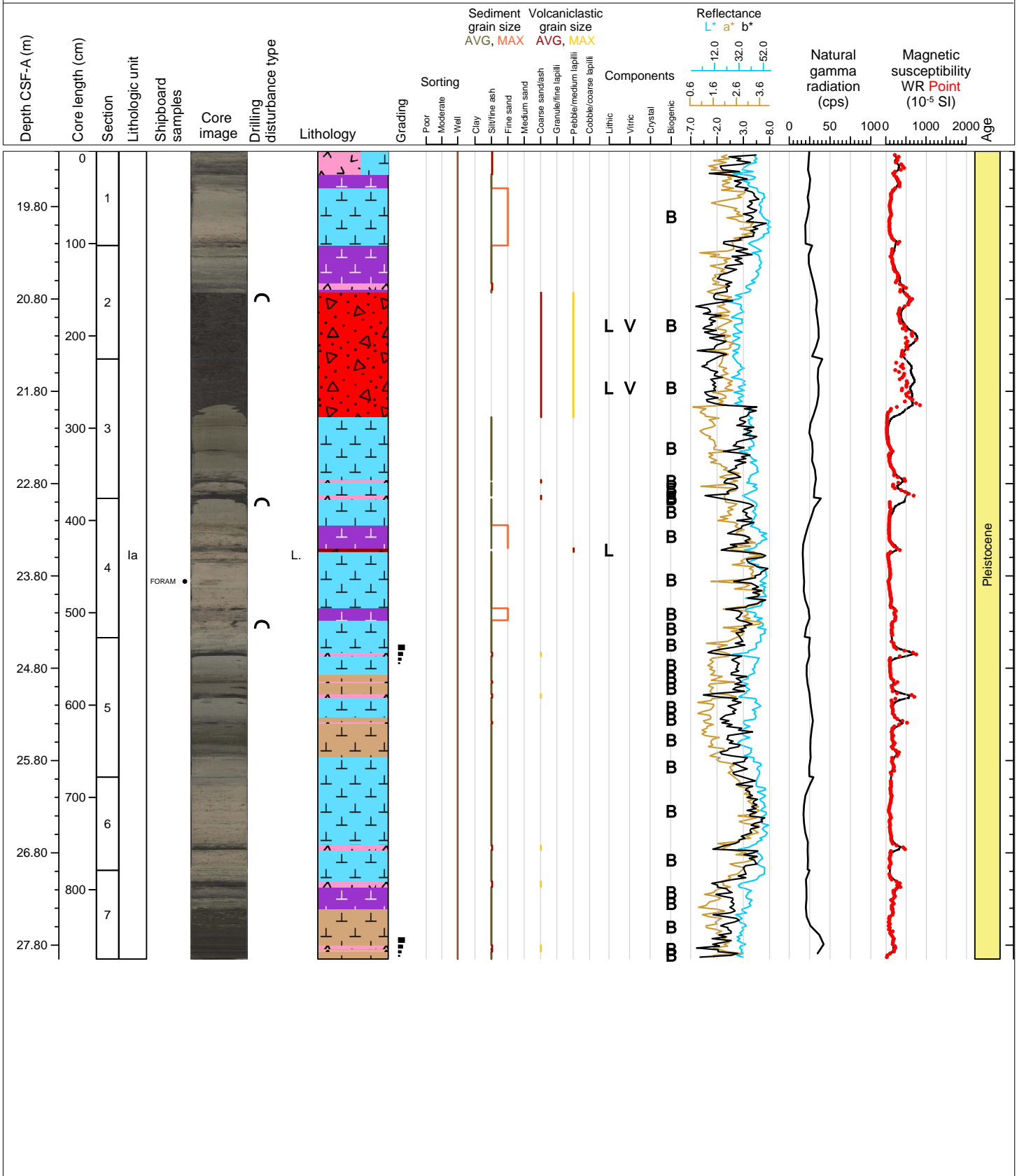
NO RECOVERY 0.0-9.7 m





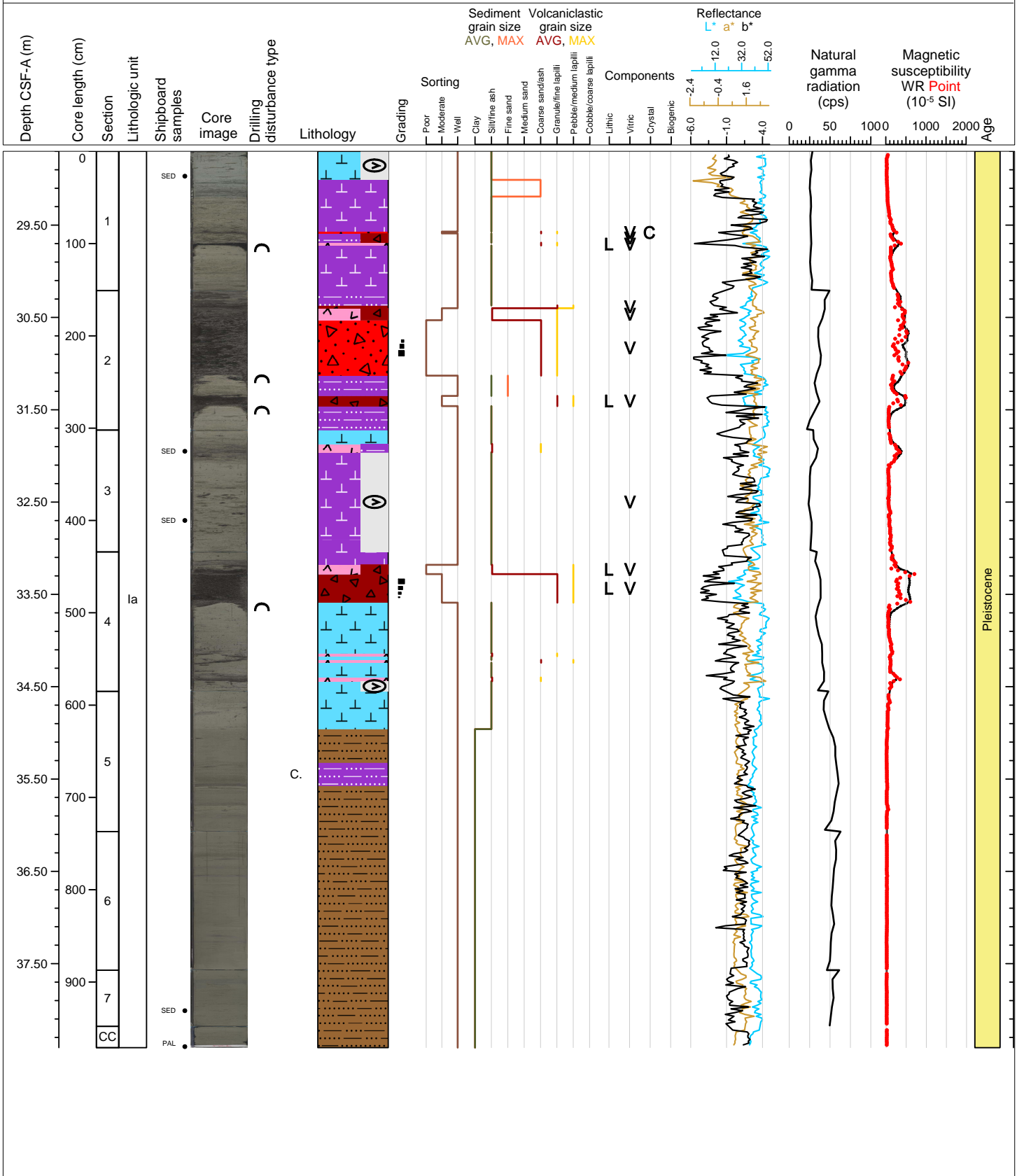
Hole 398-U1599B Core 3H, Interval 19.2-27.95 m (CSF-A)

Ash, tuffaceous ooze and ooze, lapilli-ash, lithic lapilli, organic-rich ooze



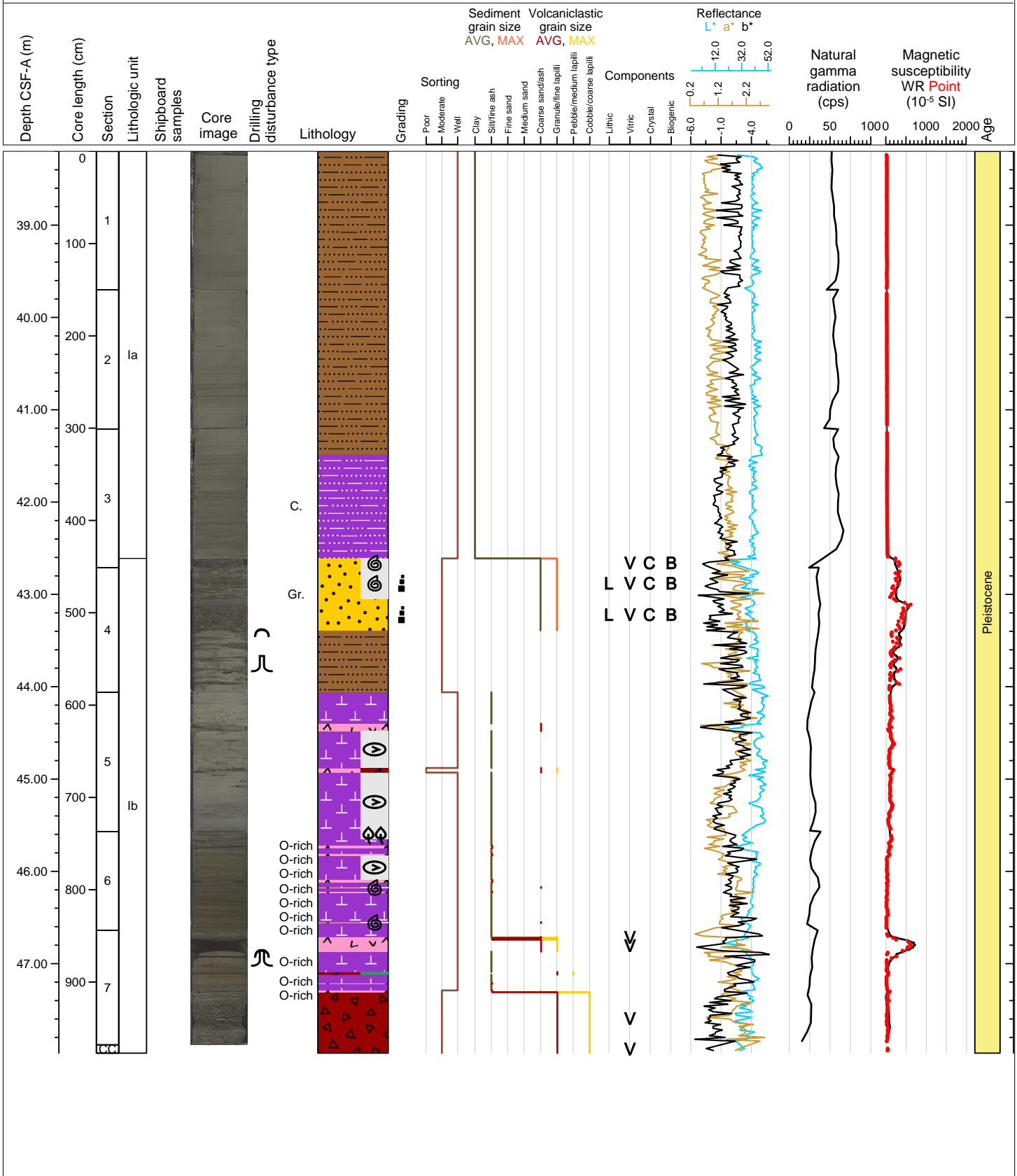
Hole 398-U1599B Core 4H, Interval 28.7-38.41 m (CSF-A)

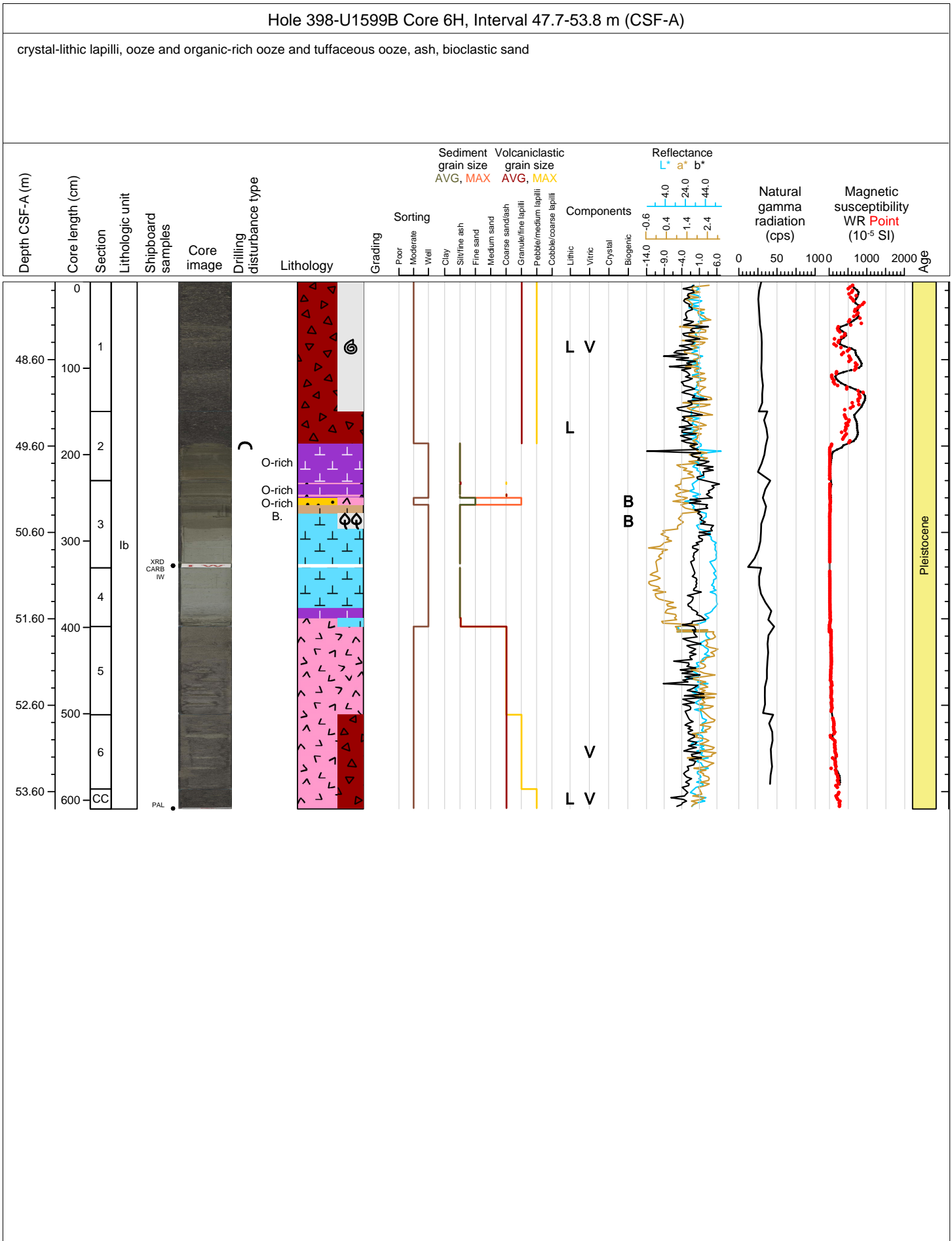
Ooze and tuffaceous ooze, lapilli-ash, tuffaceous mud, lapilli, calcareous mud



Hole 398-U1599B Core 5H, Interval 38.2-47.97 m (CSF-A)

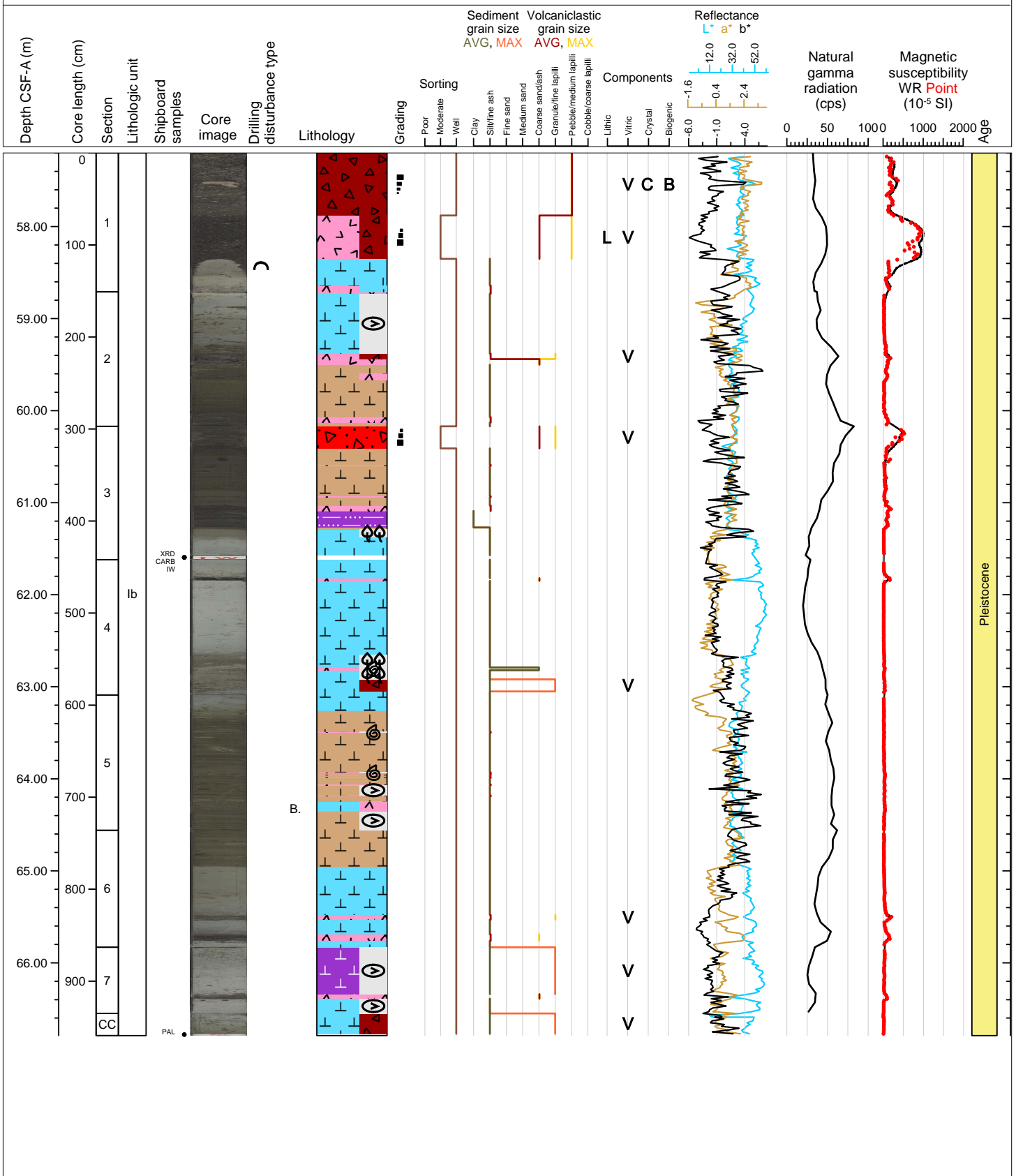
Calcareous mud, gravelly sand, tuffaceous ooze and tuffaceous mud, ash, organic-rich tuffaceous ooze, lapilli





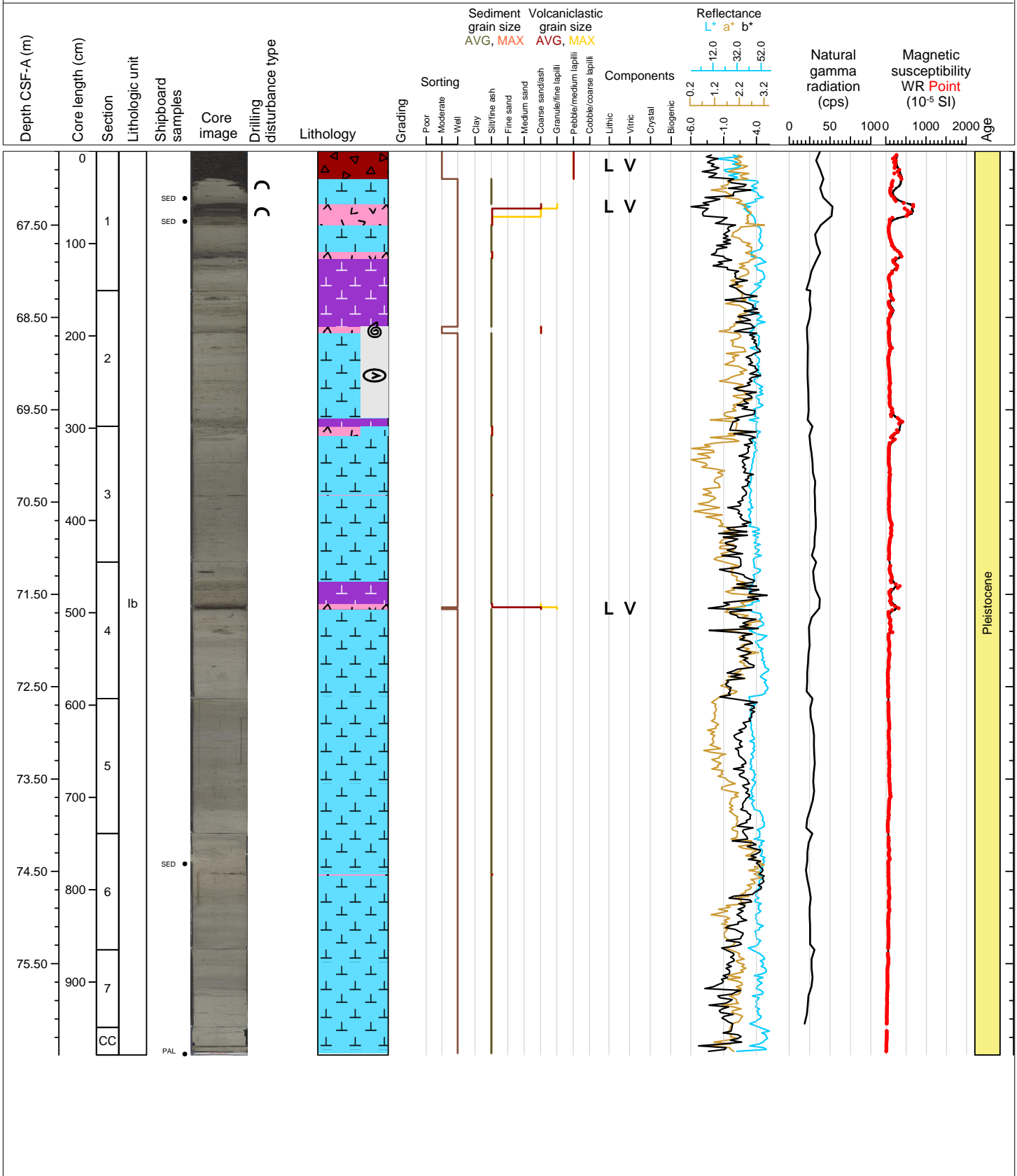
Hole 398-U1599B Core 7H, Interval 57.2-66.79 m (CSF-A)

dark ash, ooze and organic-rich ooze and tuffaceous ooze, lapilli-ash, tuffaceous mud



Hole 398-U1599B Core 8H, Interval 66.7-76.49 m (CSF-A)

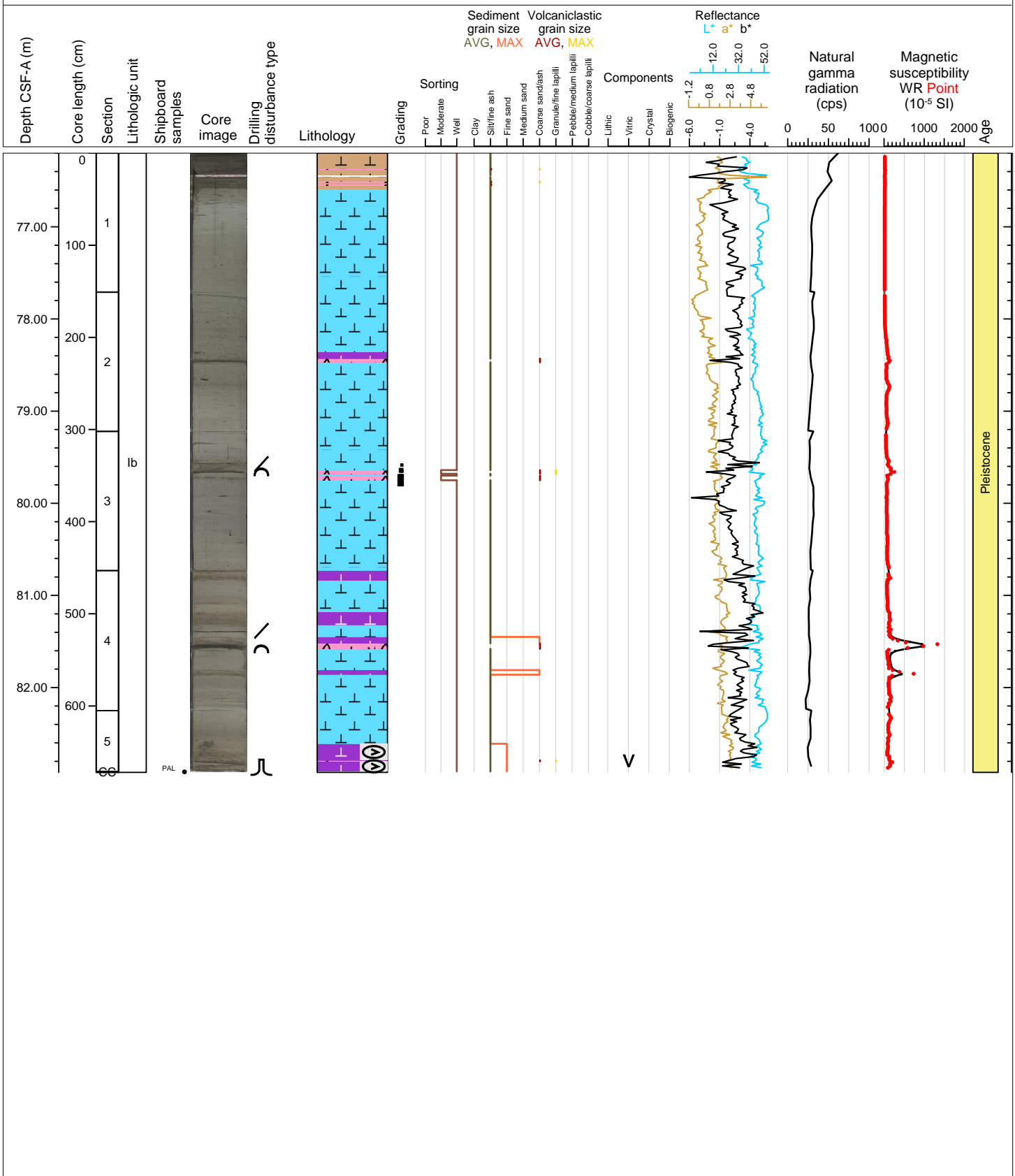
lapilli, ooze and tuffaceous ooze, ash and lithic-crystal ash





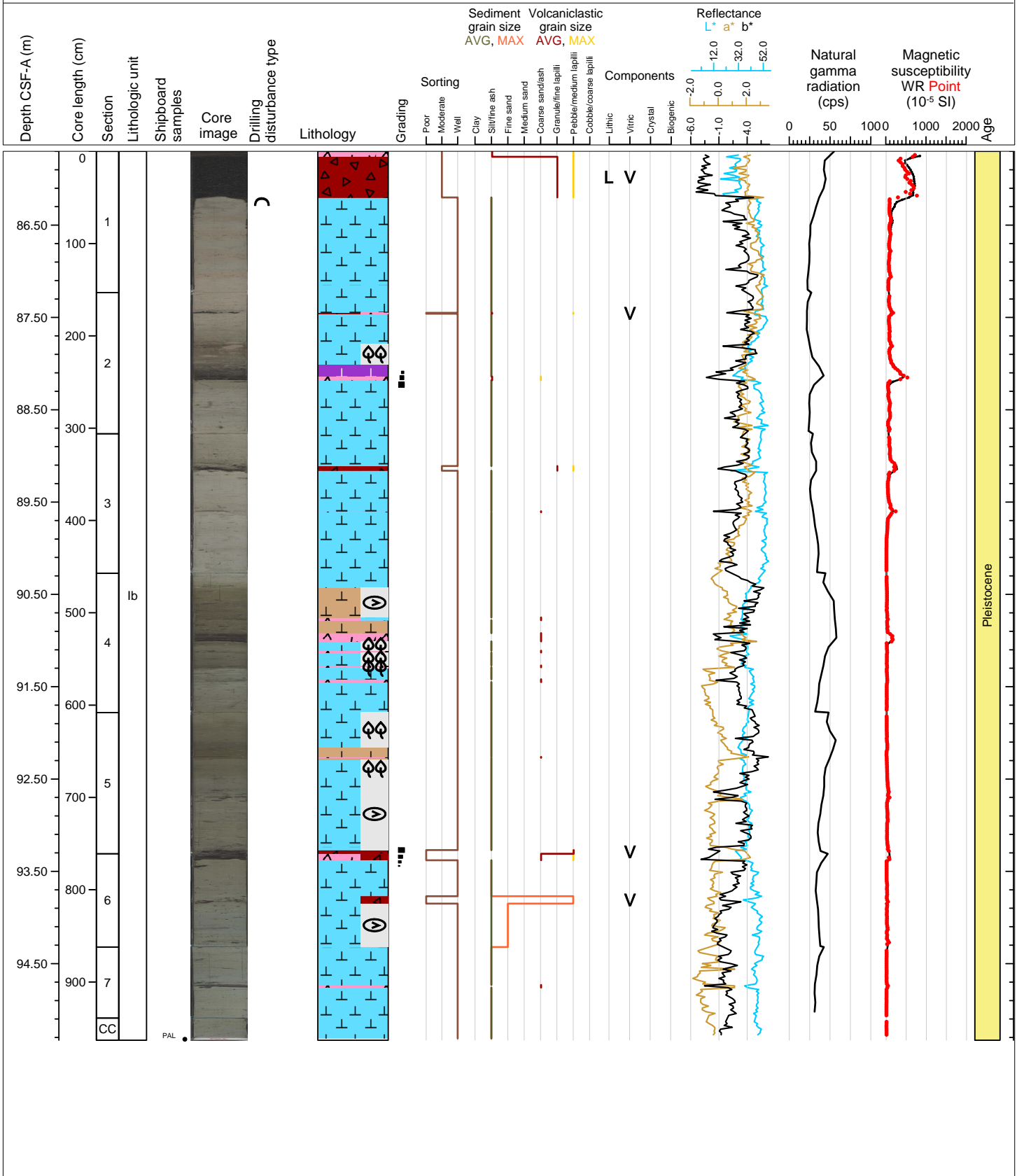
Hole 398-U1599B Core 9H, Interval 76.2-82.92 m (CSF-A)

Ooze and organic-rich ooze and tuffaceous ooze, ash



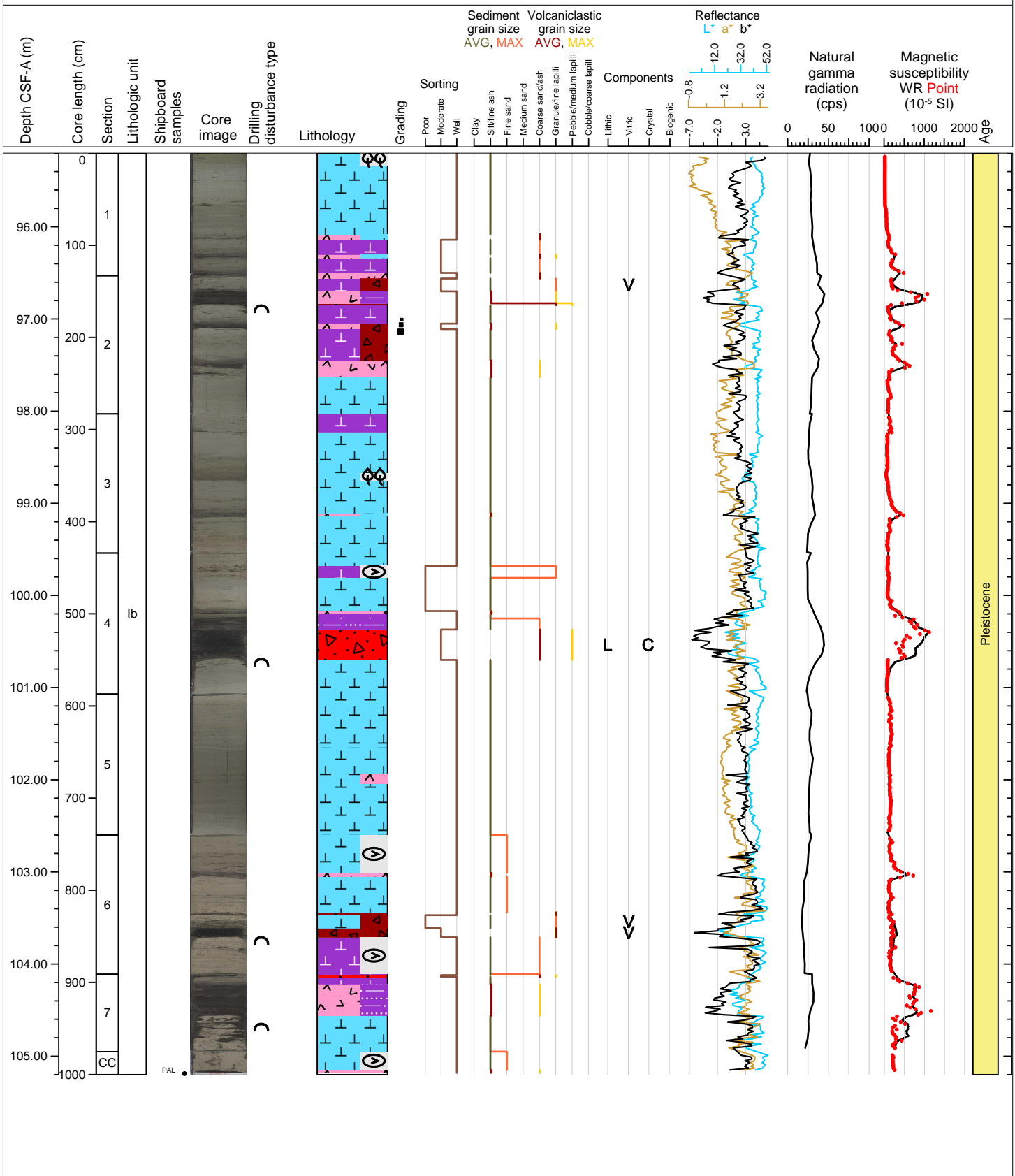
Hole 398-U1599B Core 10H, Interval 85.7-95.33 m (CSF-A)

Ash, lapilli and lithic-crystal lapilli, ooze and organic rich ooze



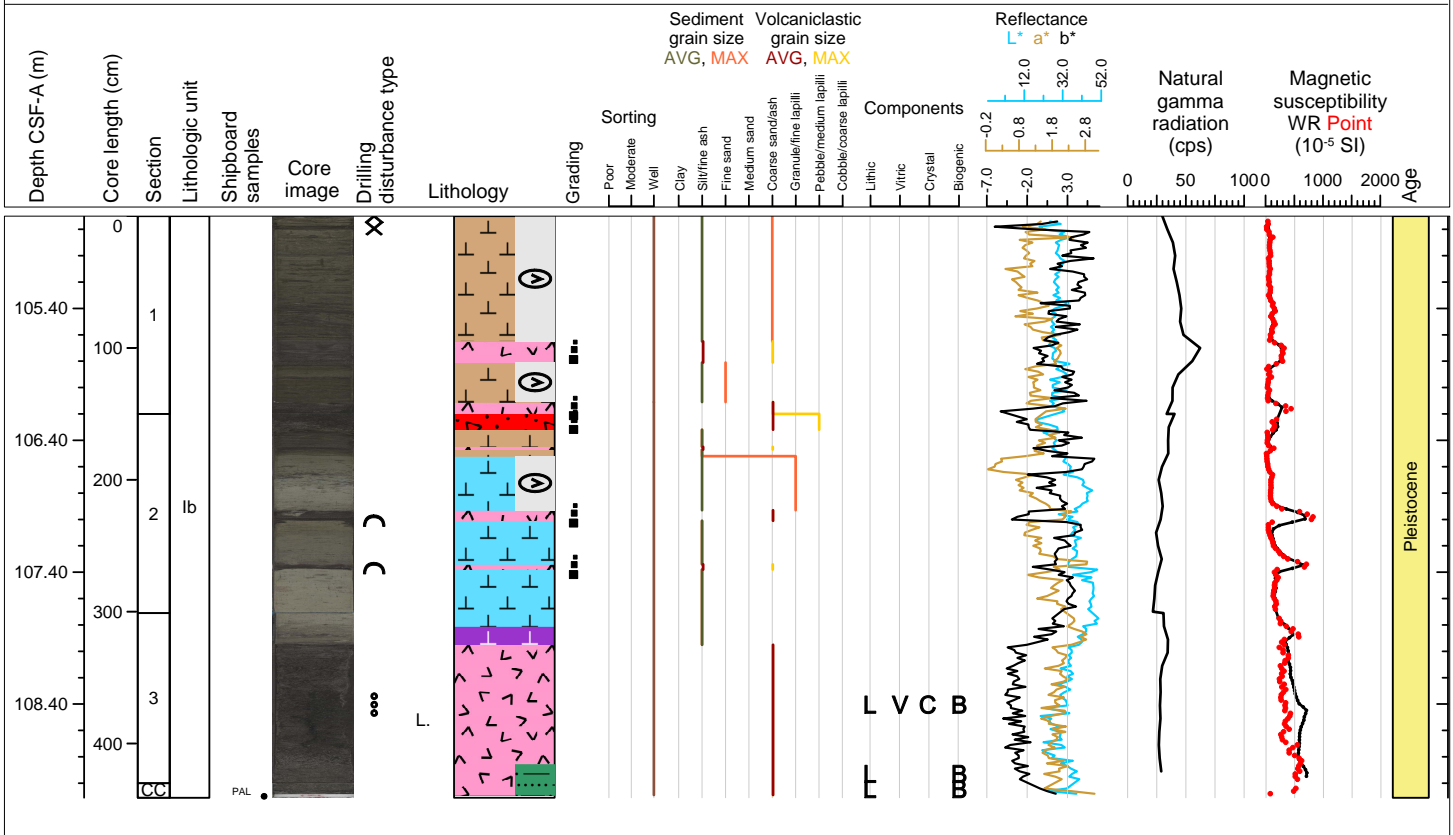
Hole 398-U1599B Core 11H, Interval 95.2-105.2 m (CSF-A)

Ooze and organic-rich ooze and tuffaceous ooze, ash, lapilli, lapilli-ash and lithic-crystal lapilli-ash, ash with alternating tuffaceous mud



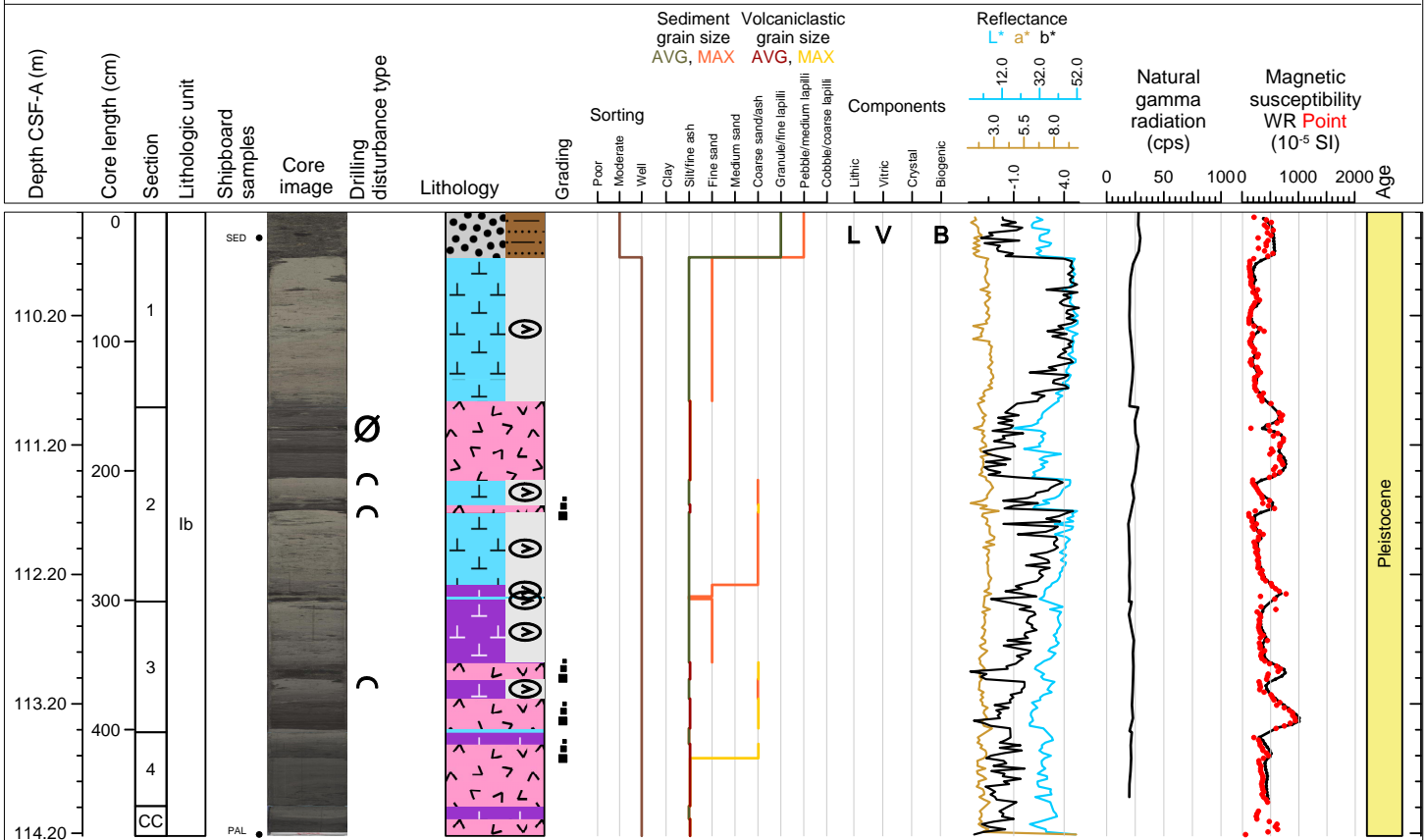
Hole 398-U1599B Core 12F, Interval 104.7-109.11 m (CSF-A)

Ooze and organic-rich ooze and tuffaceous ooze, ash and lithic ash, lapilli-ash



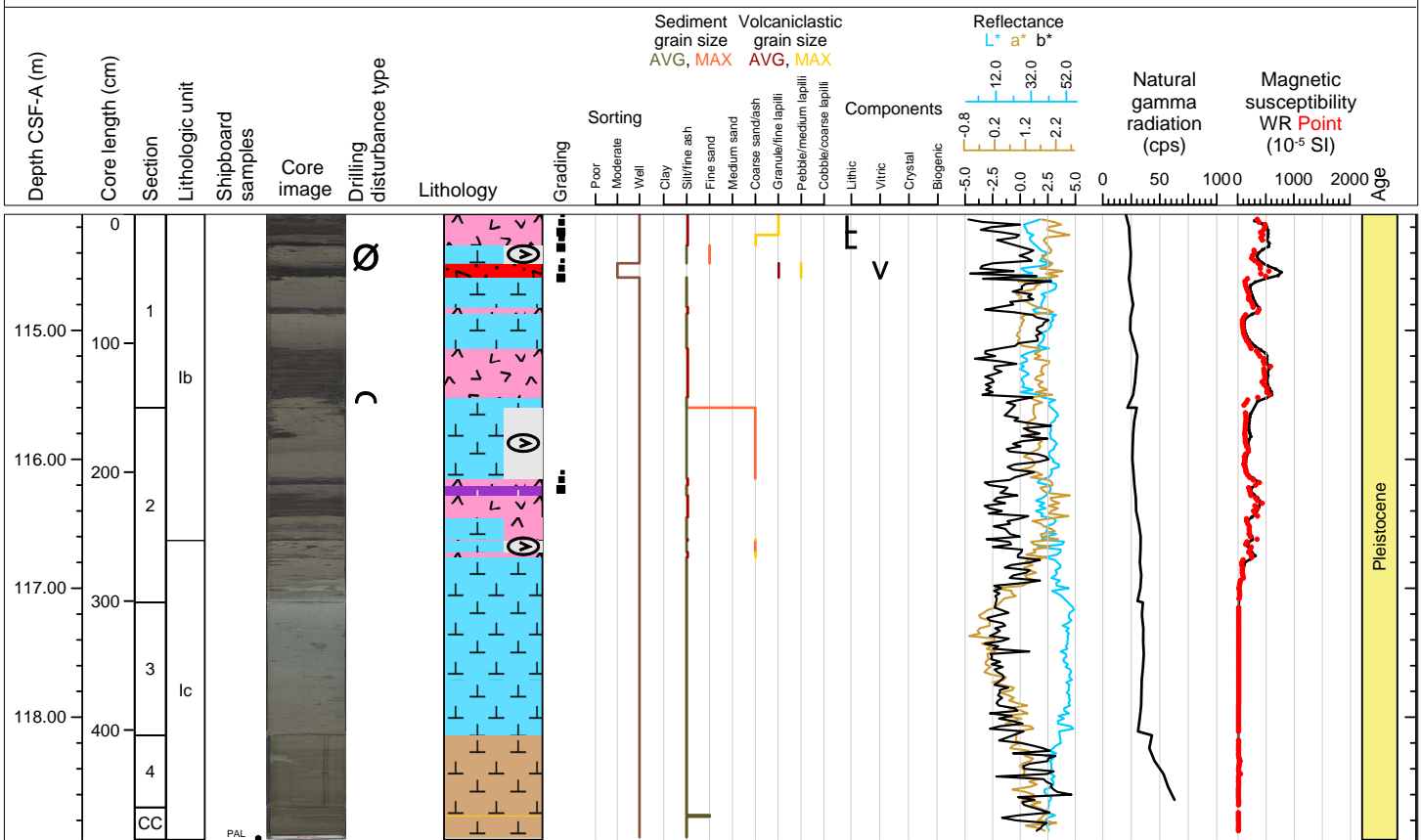
Hole 398-U1599B Core 13F, Interval 109.4-114.22 m (CSF-A)

Gravel, ooze and tuffaceous ooze, ash



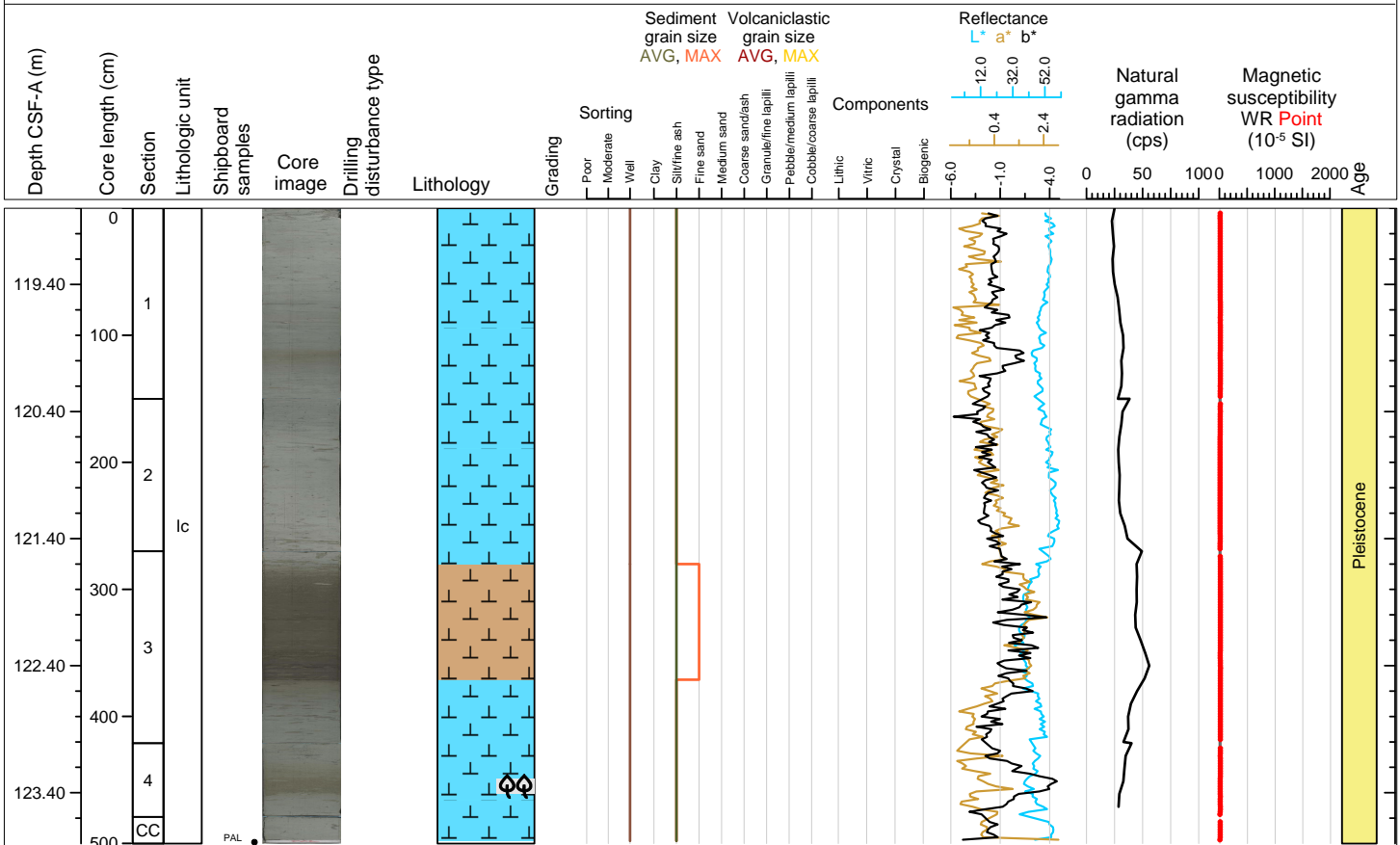
Hole 398-U1599B Core 14F, Interval 114.1-118.95 m (CSF-A)

Ash, ooze and organic-rich ooze and tuffaceous ooze, lapilli-ash, ash, sand



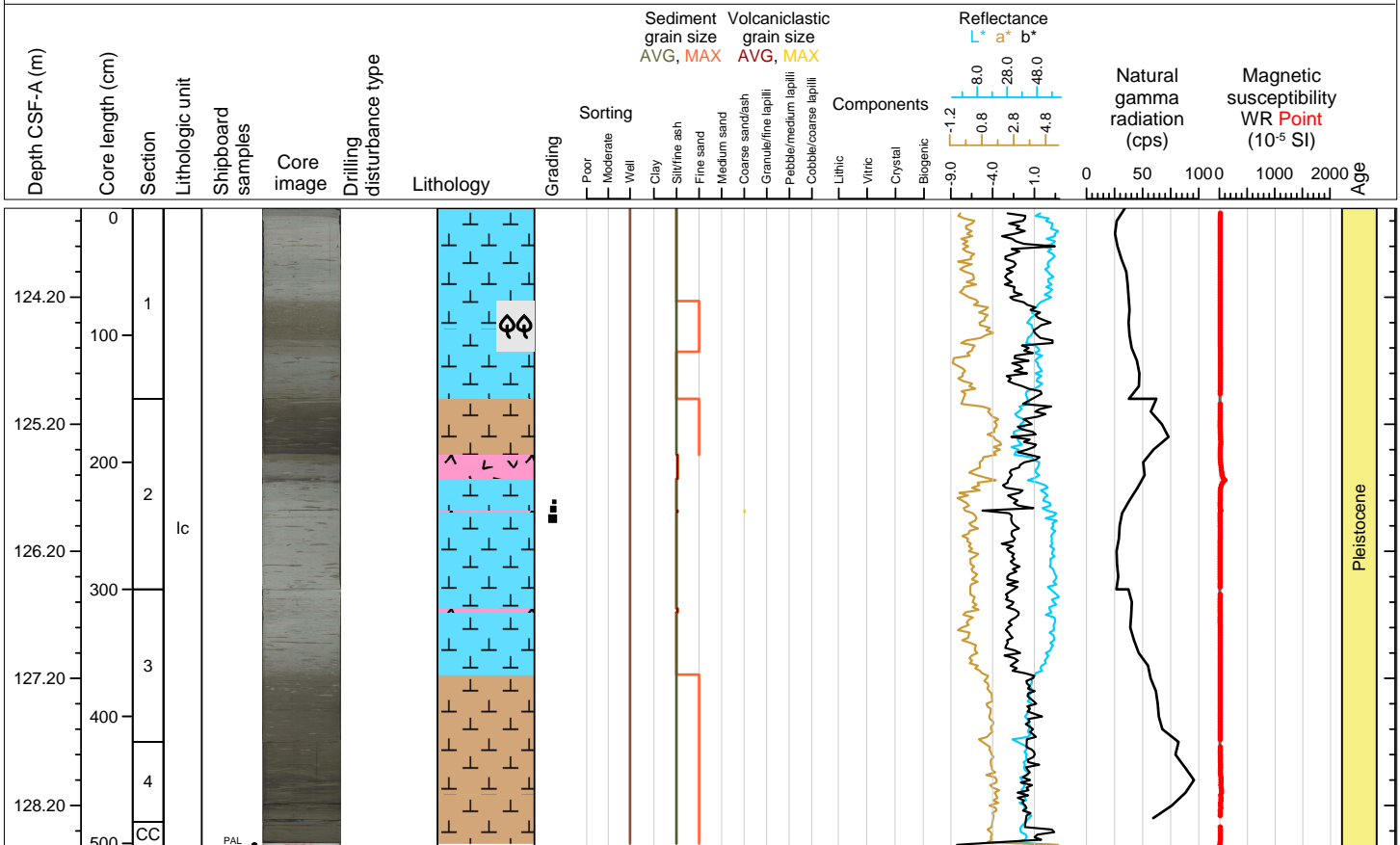
Hole 398-U1599B Core 15F, Interval 118.8-123.8 m (CSF-A)

Ooze and organic-rich ooze



Hole 398-U1599B Core 16F, Interval 123.5-128.53 m (CSF-A)

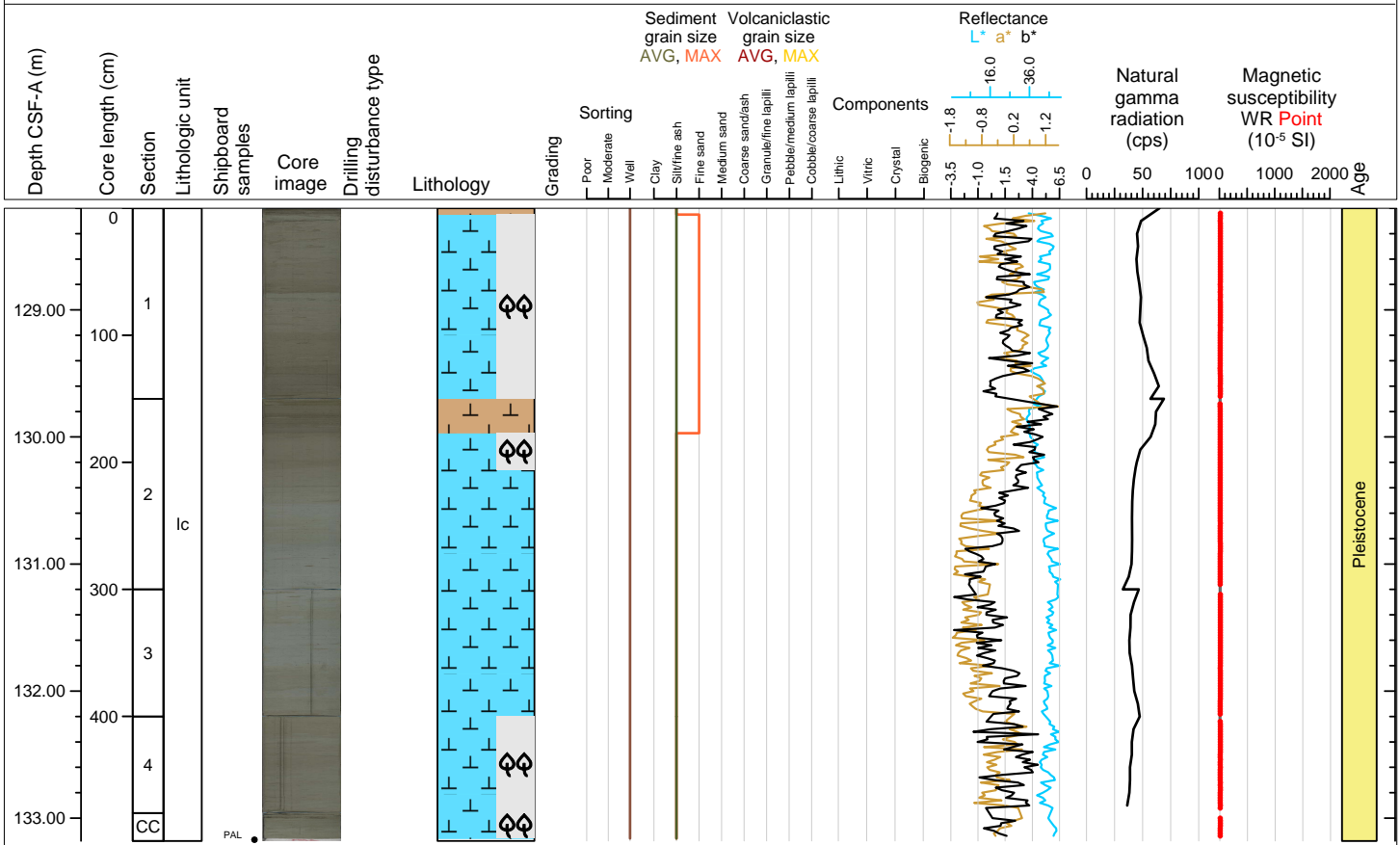
Ooze and organic-rich ooze, ash





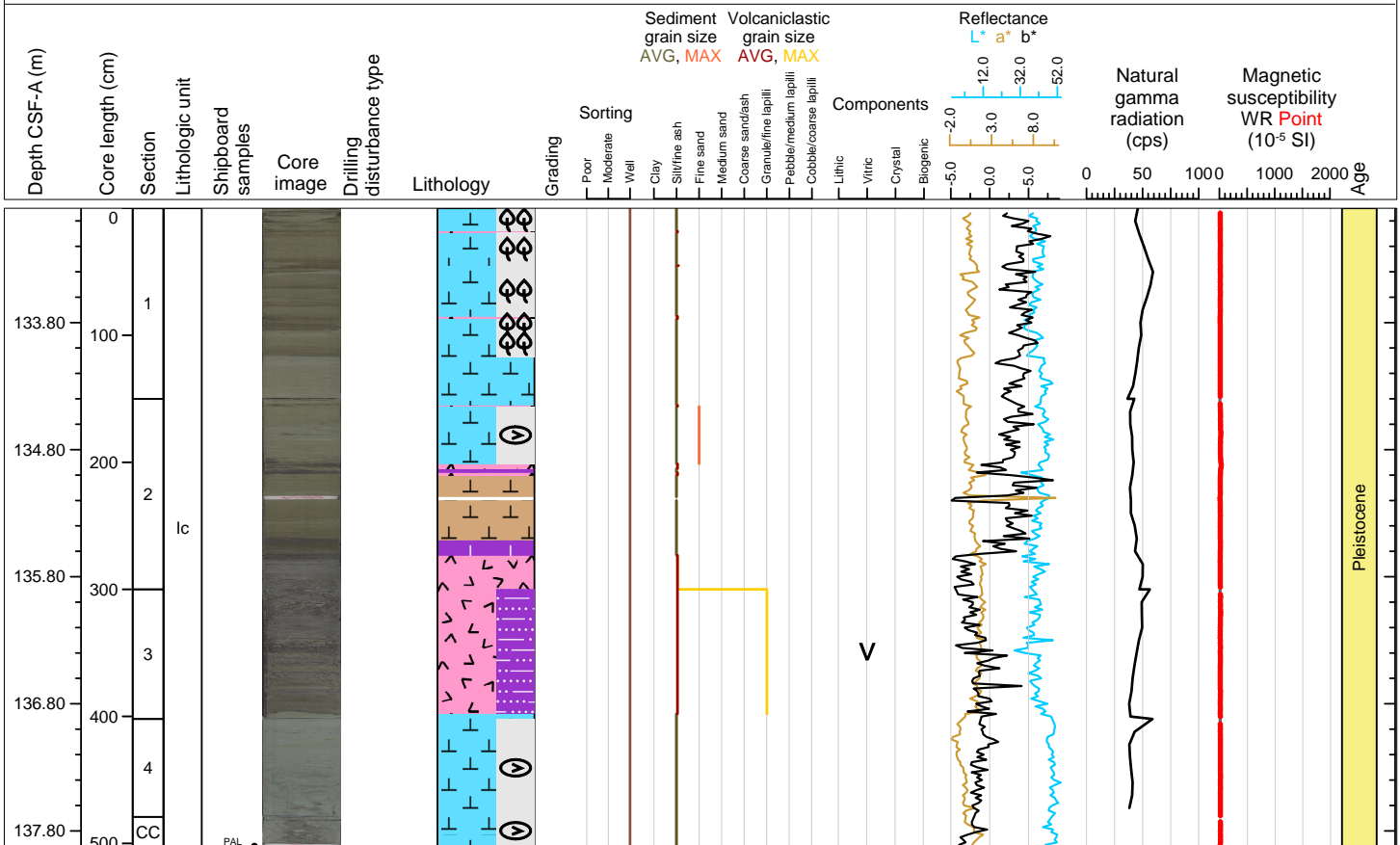
Hole 398-U1599B Core 17F, Interval 128.2-133.18 m (CSF-A)

Ooze and organic-rich ooze



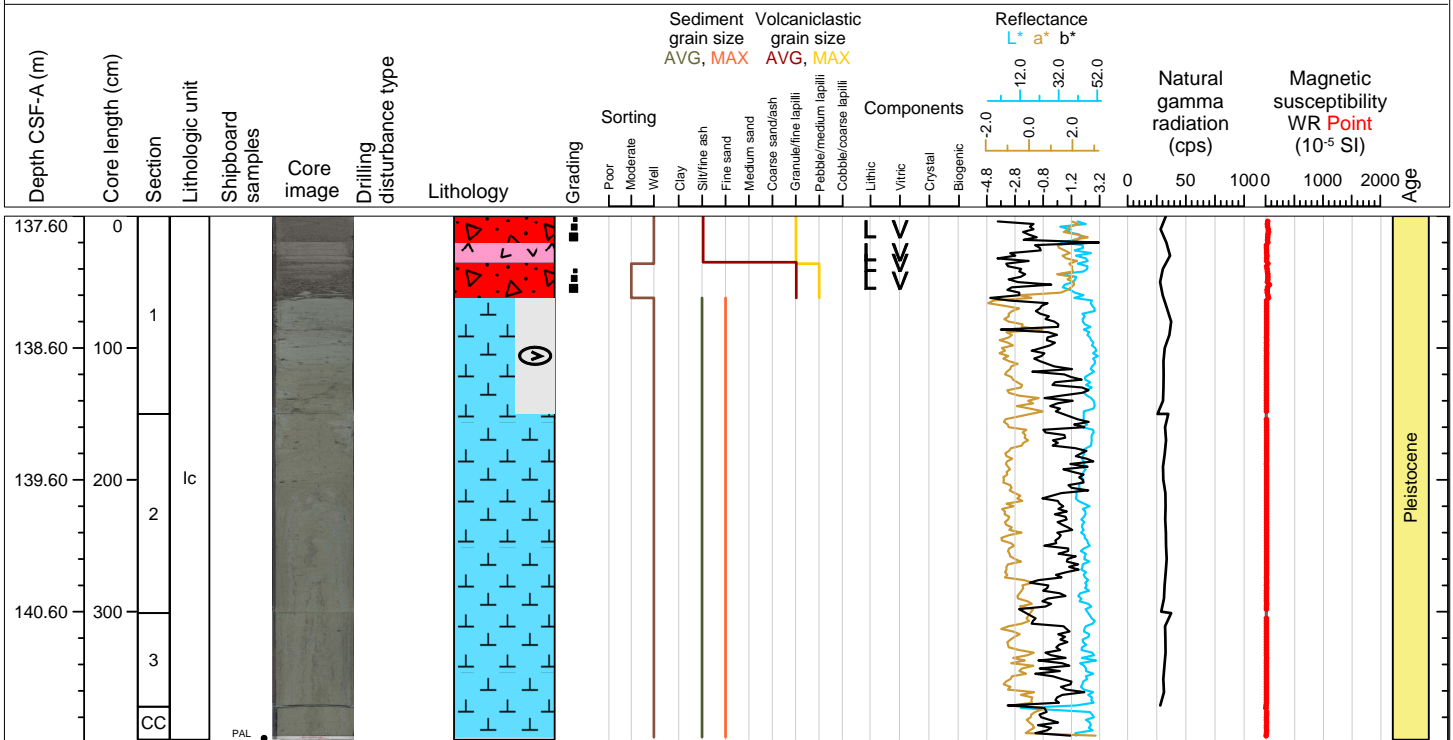
Hole 398-U1599B Core 18F, Interval 132.9-137.93 m (CSF-A)

Ooze and tuffaceous ooze, ash and ash with alternating tuffaceous mud



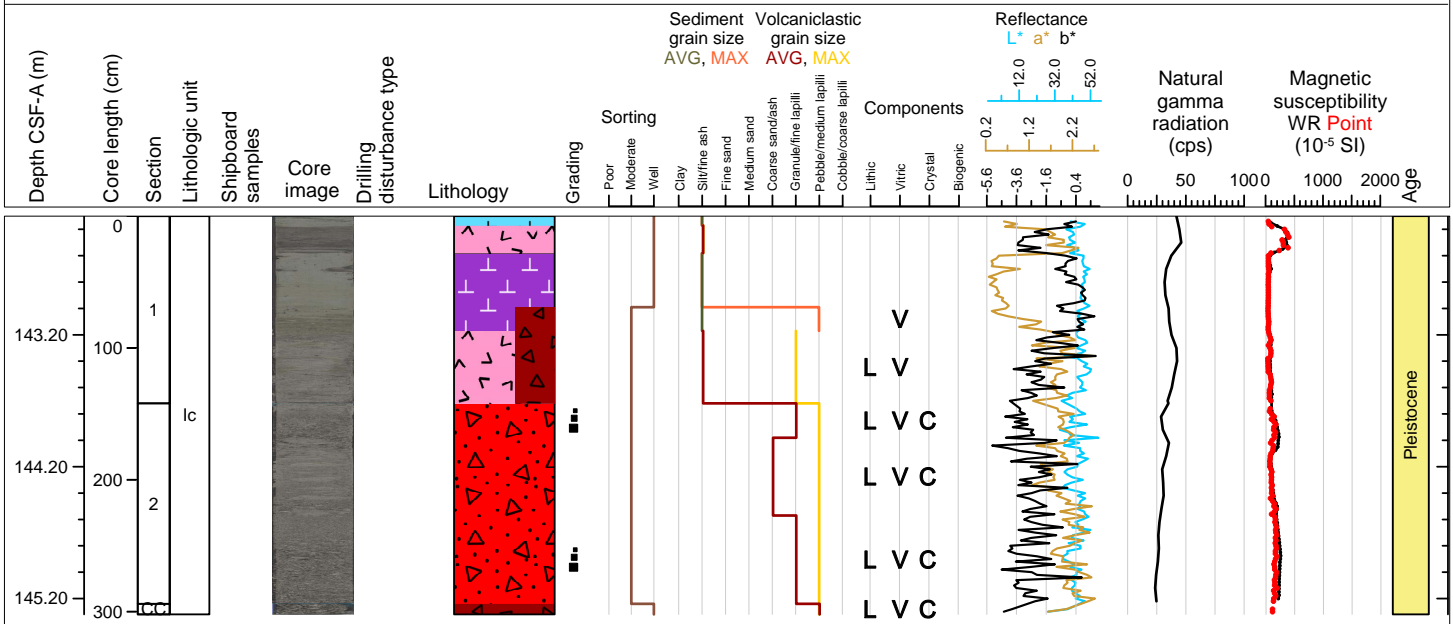
Hole 398-U1599B Core 19F, Interval 137.6-141.57 m (CSF-A)

lapilli-ash, ash, and ooze



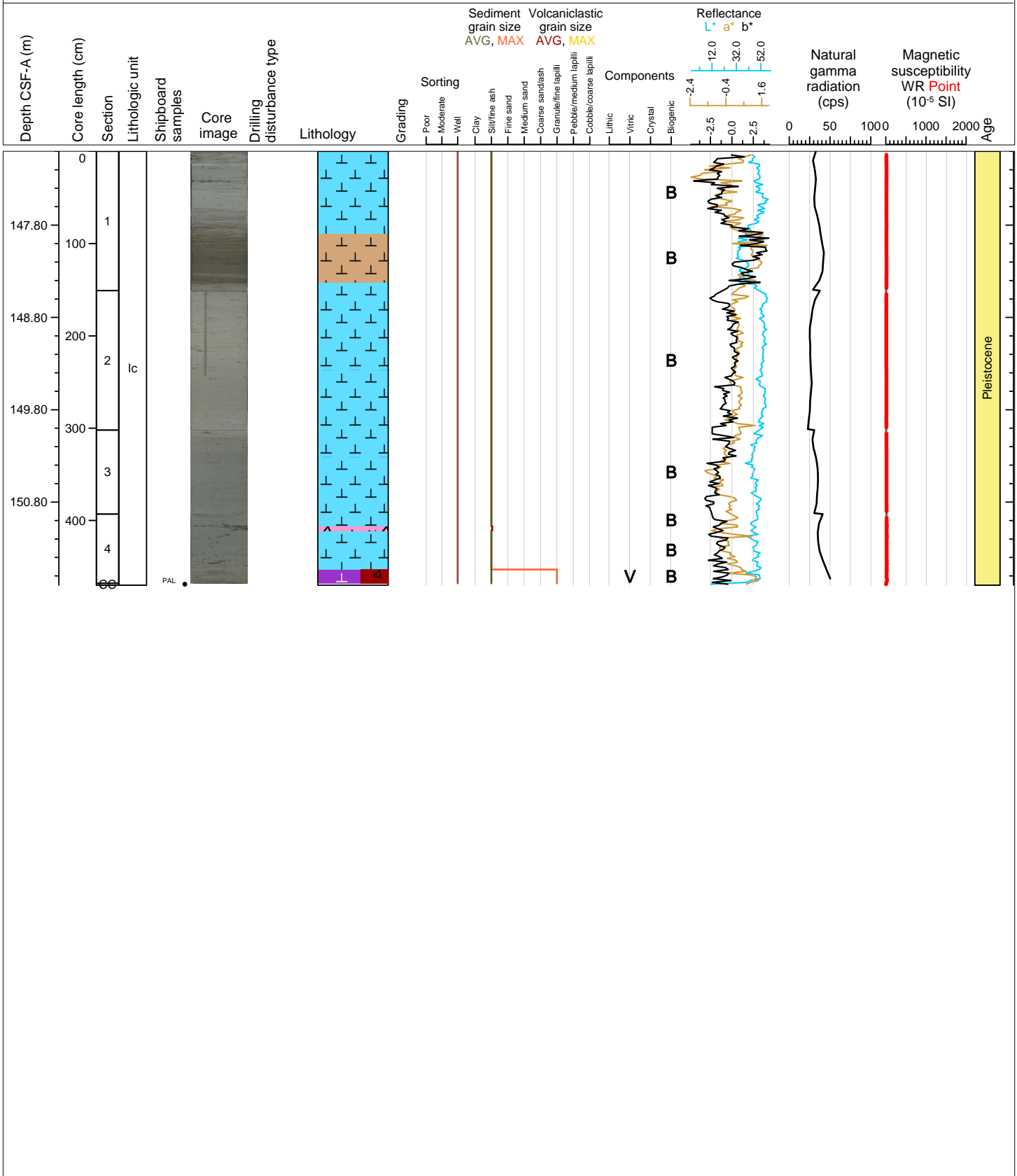
Hole 398-U1599B Core 20F, Interval 142.3-145.32 m (CSF-A)

Ooze and tuffaceous ooze, ash, lapilli-ash, lapilli



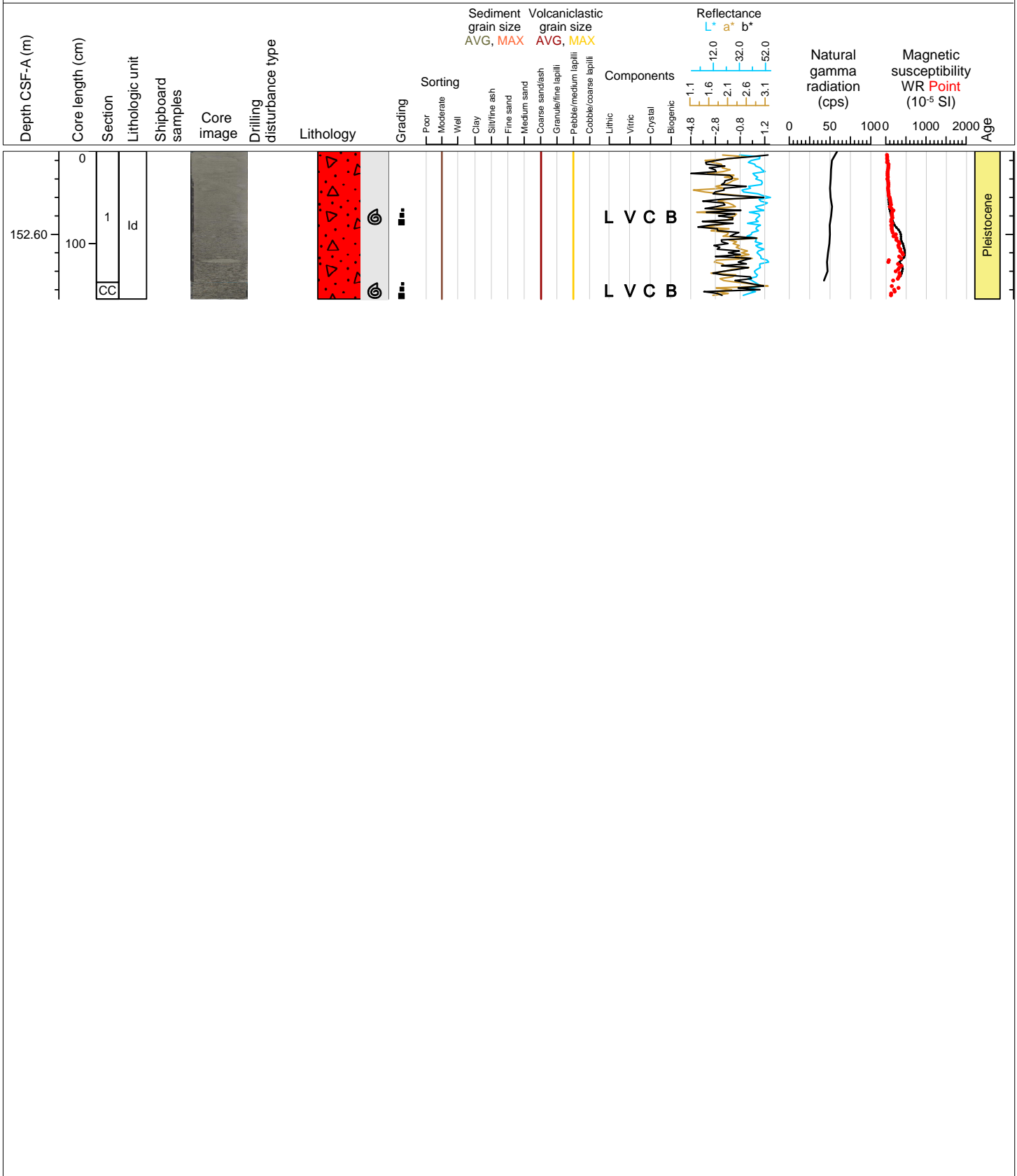
Hole 398-U1599B Core 21F, Interval 147.0-151.7 m (CSF-A)

Ooze and organic-rich ooze and tuffaceous ooze



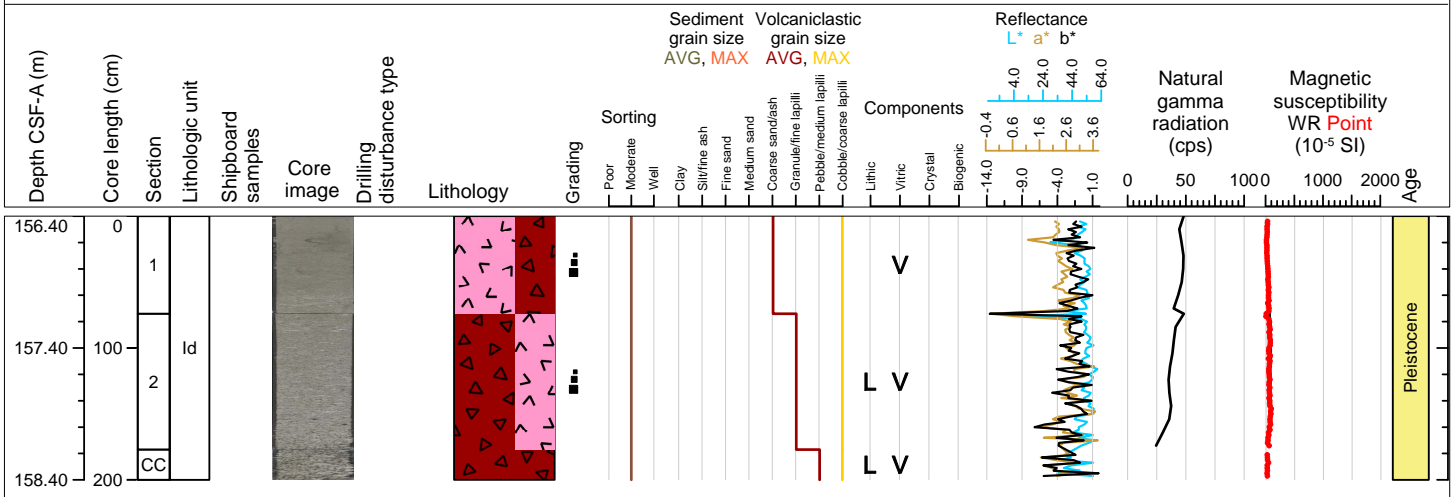
Hole 398-U1599B Core 22F, Interval 151.7-153.3 m (CSF-A)

Lapilli-ash



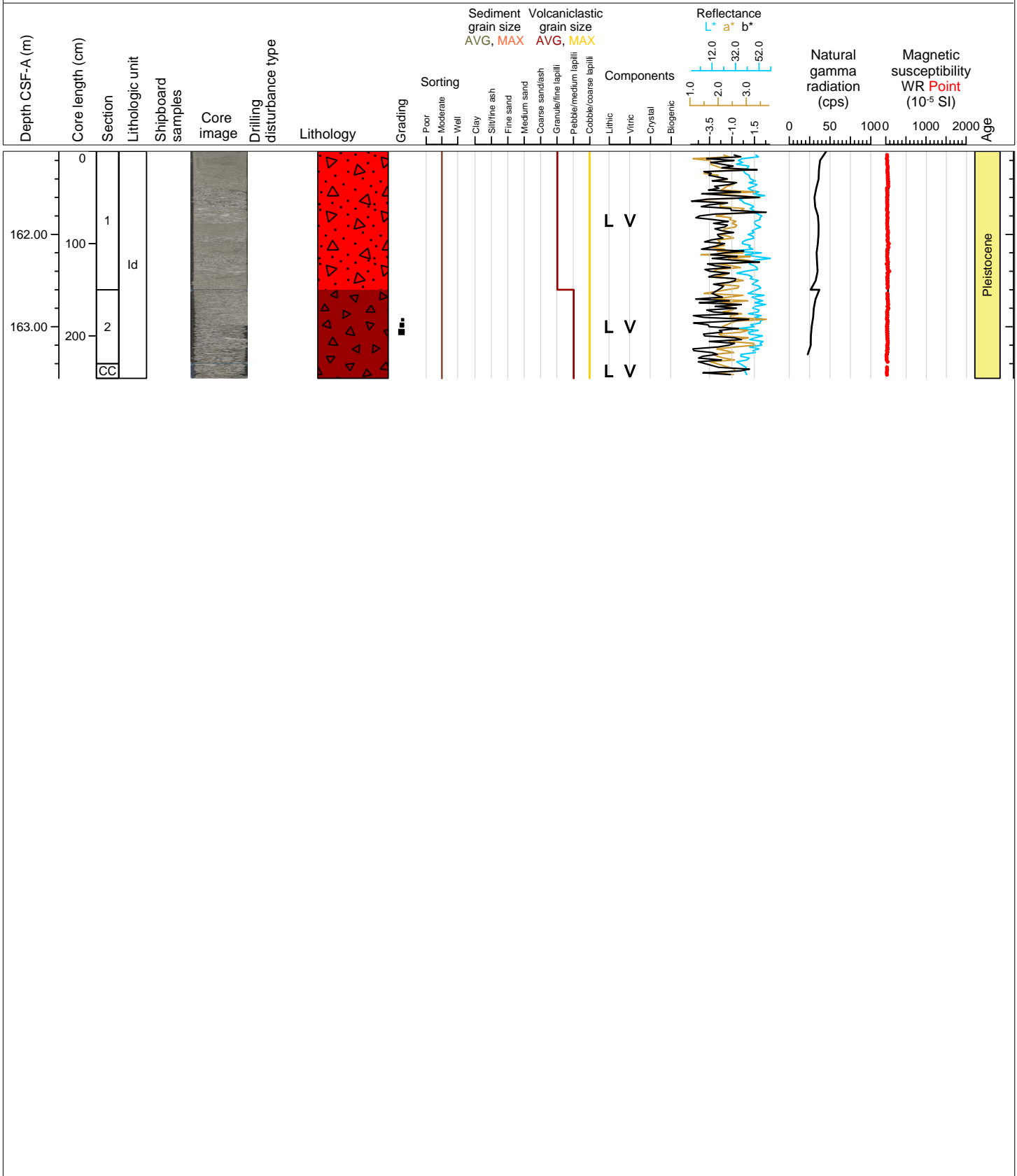
Hole 398-U1599B Core 23F, Interval 156.4-158.4 m (CSF-A)

Ash and lapilli



Hole 398-U1599B Core 24F, Interval 161.1-163.56 m (CSF-A)

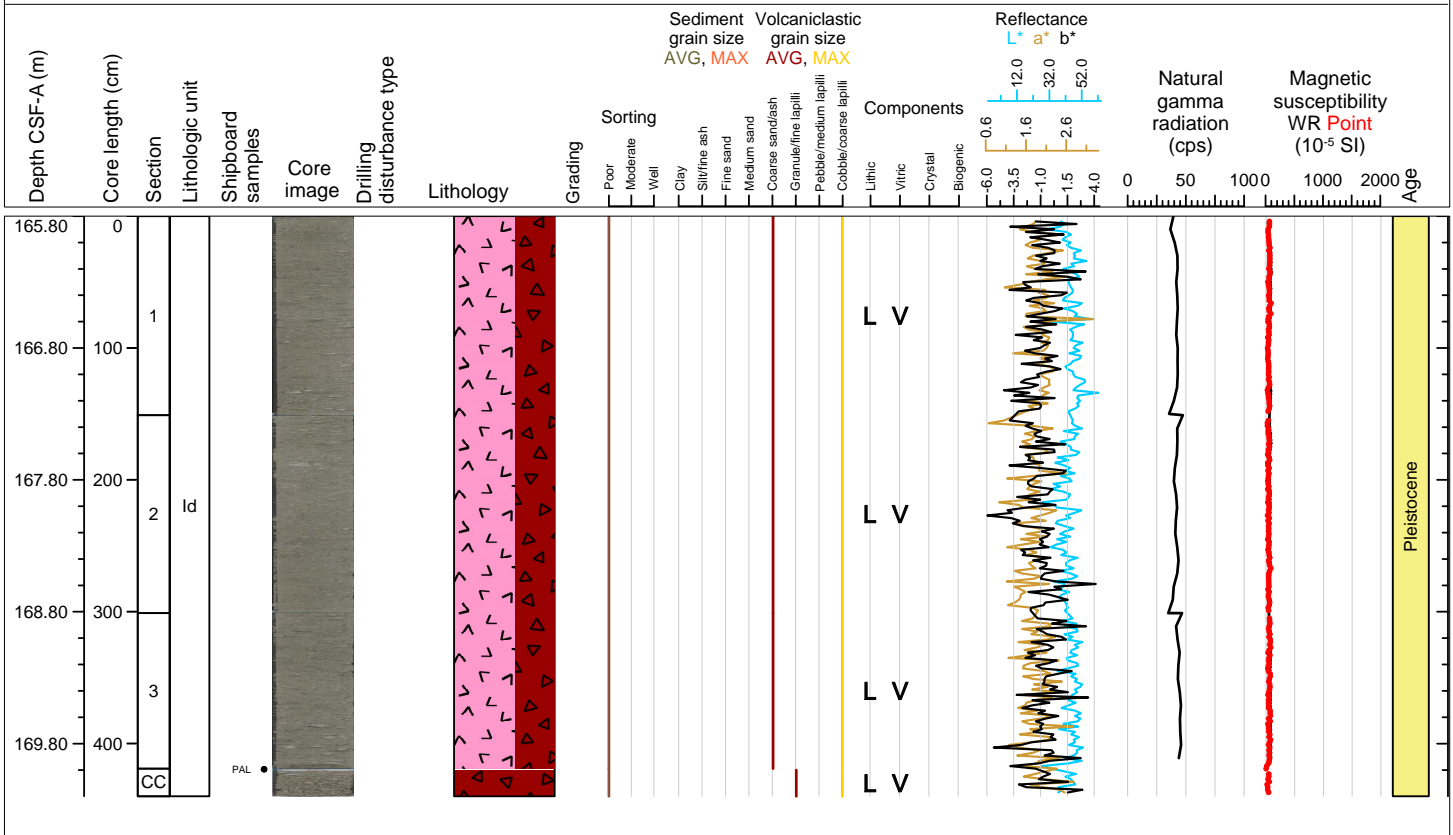
Lapilli-ash and lapilli





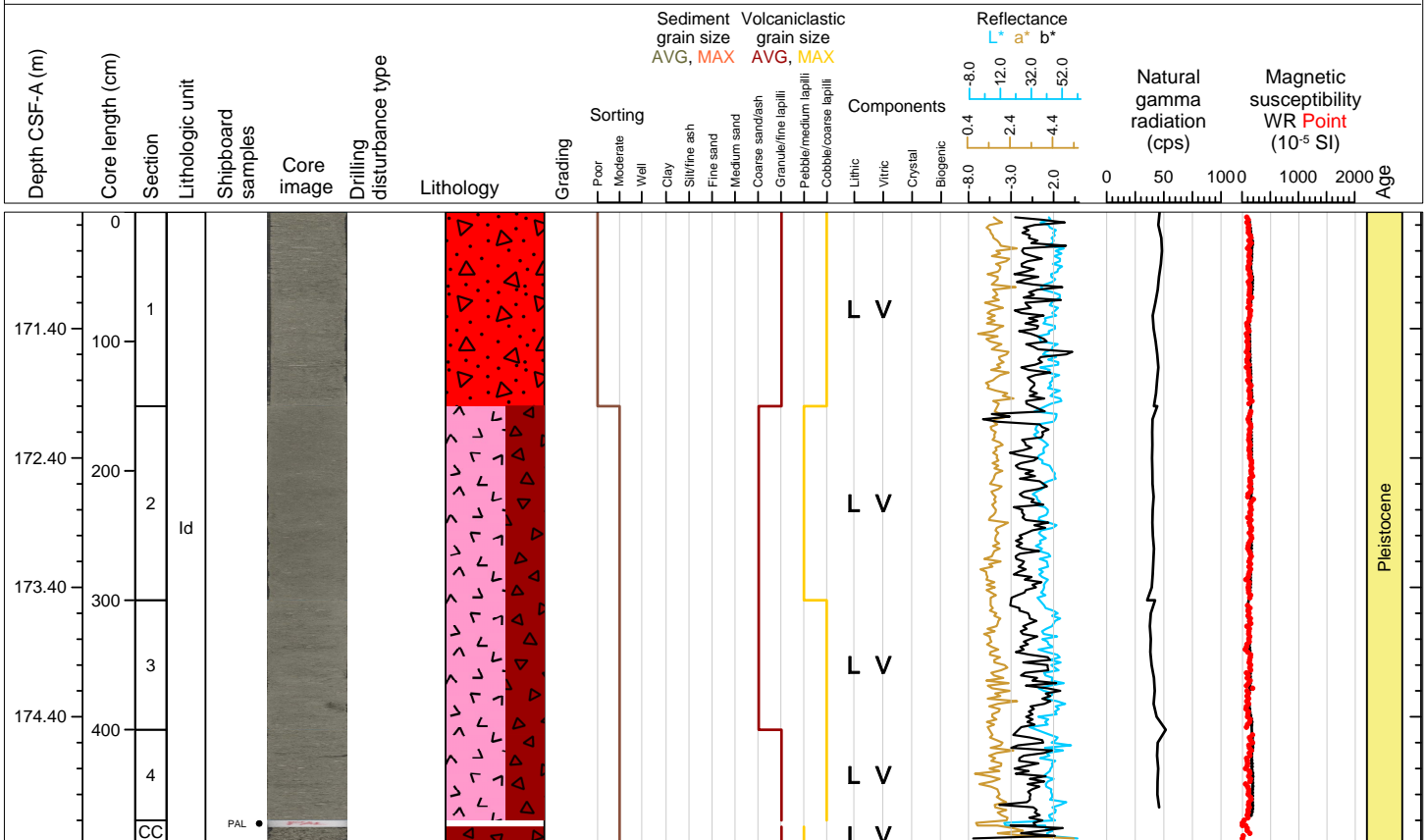
Hole 398-U1599B Core 25F, Interval 165.8-170.2 m (CSF-A)

Ash and lapilli



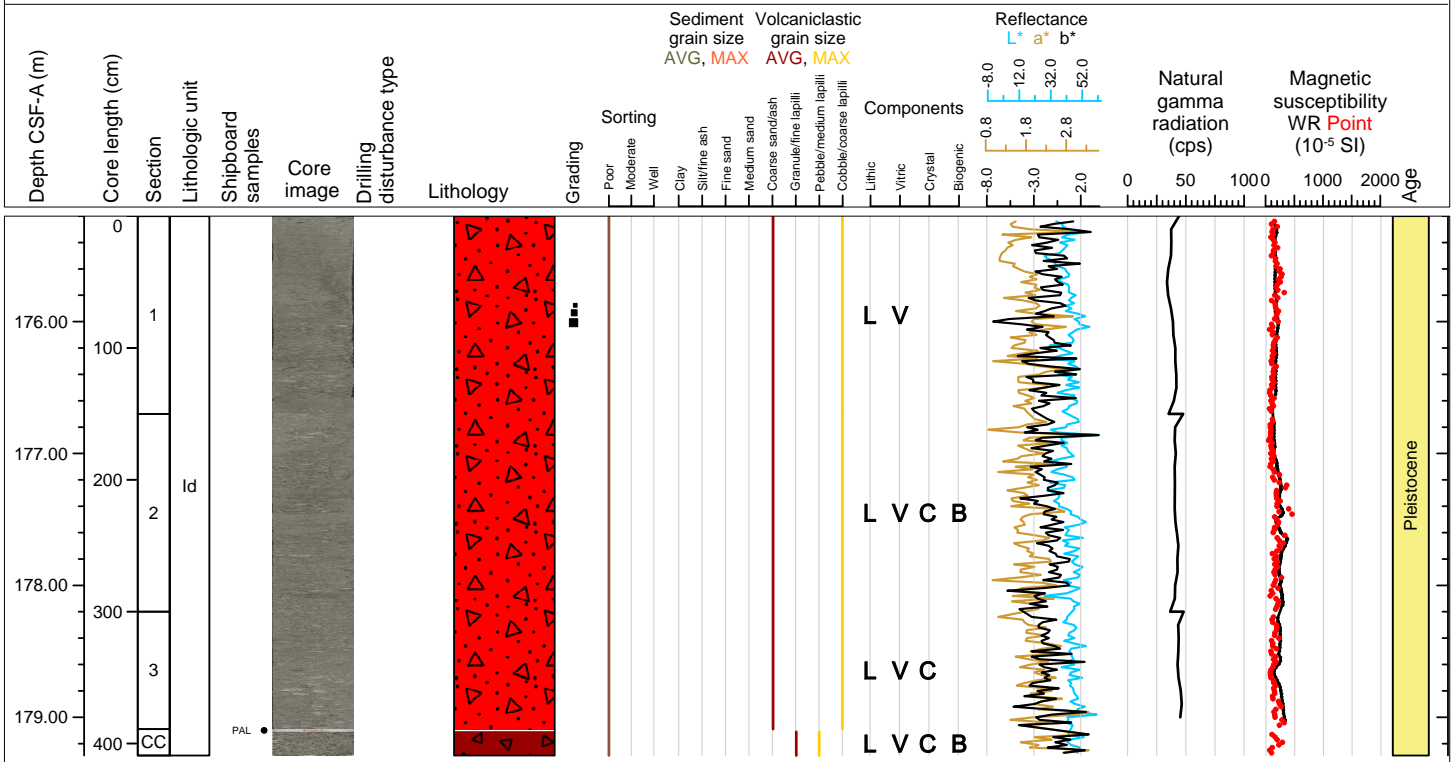
Hole 398-U1599B Core 26F, Interval 170.5-175.38 m (CSF-A)

Lapilli-ash, ash, and lapilli



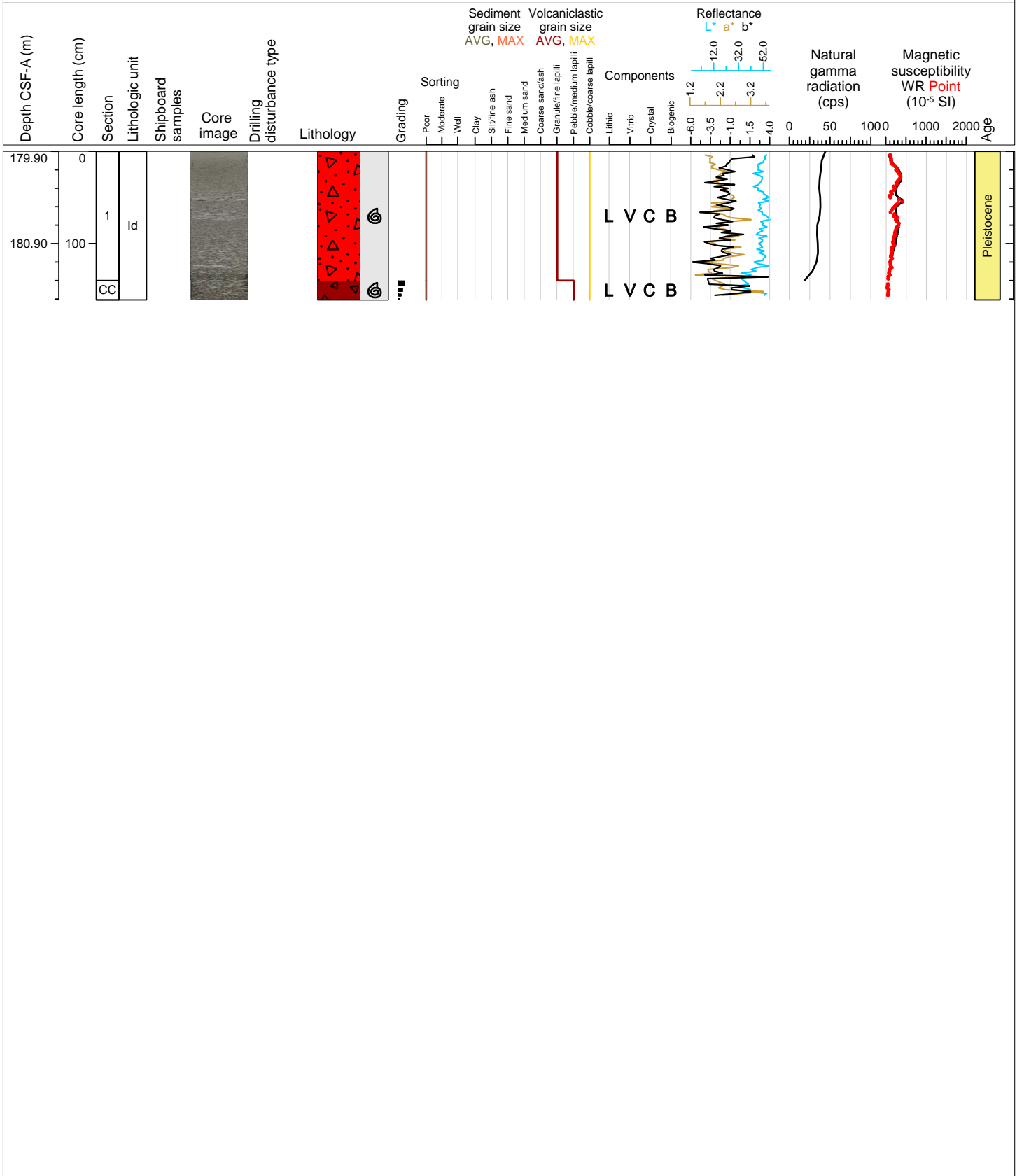
Hole 398-U1599B Core 27F, Interval 175.2-179.29 m (CSF-A)

Lapilli-ash and lapilli



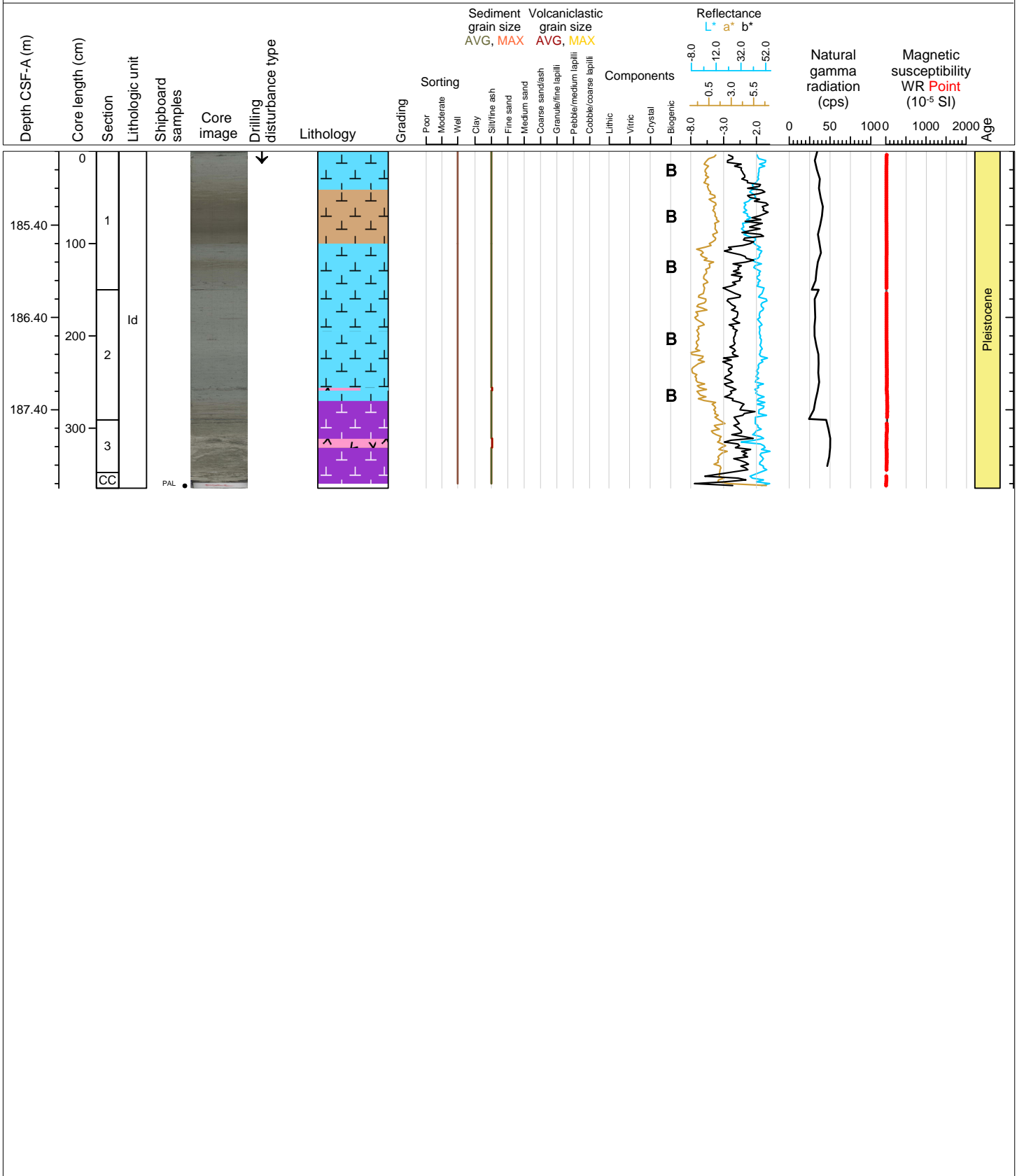
Hole 398-U1599B Core 28F, Interval 179.9-181.51 m (CSF-A)

Lapilli-ash and lapilli



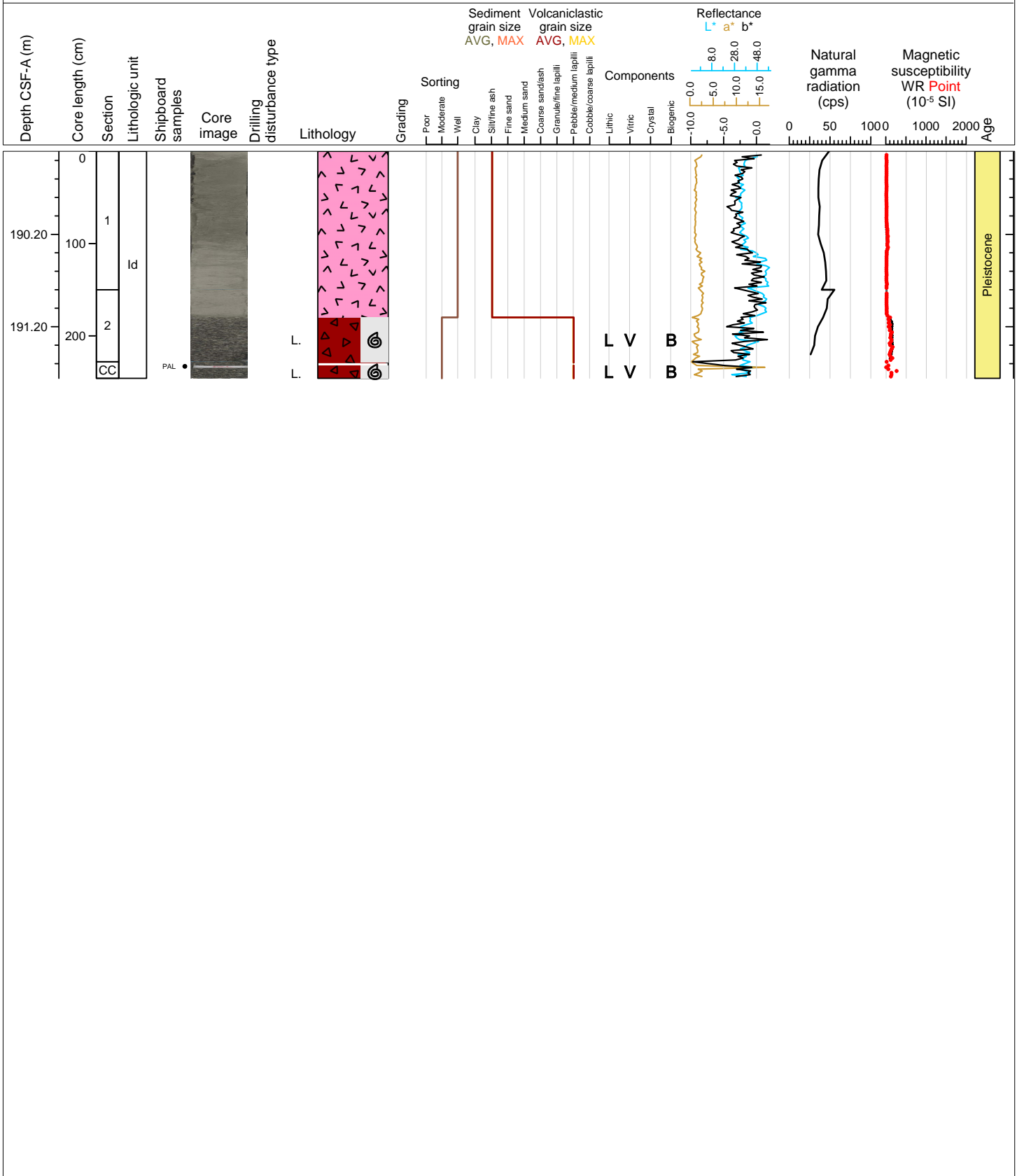
Hole 398-U1599B Core 29F, Interval 184.6-188.25 m (CSF-A)

Ooze and organic-rich ooze and tuffaceous ooze, ash



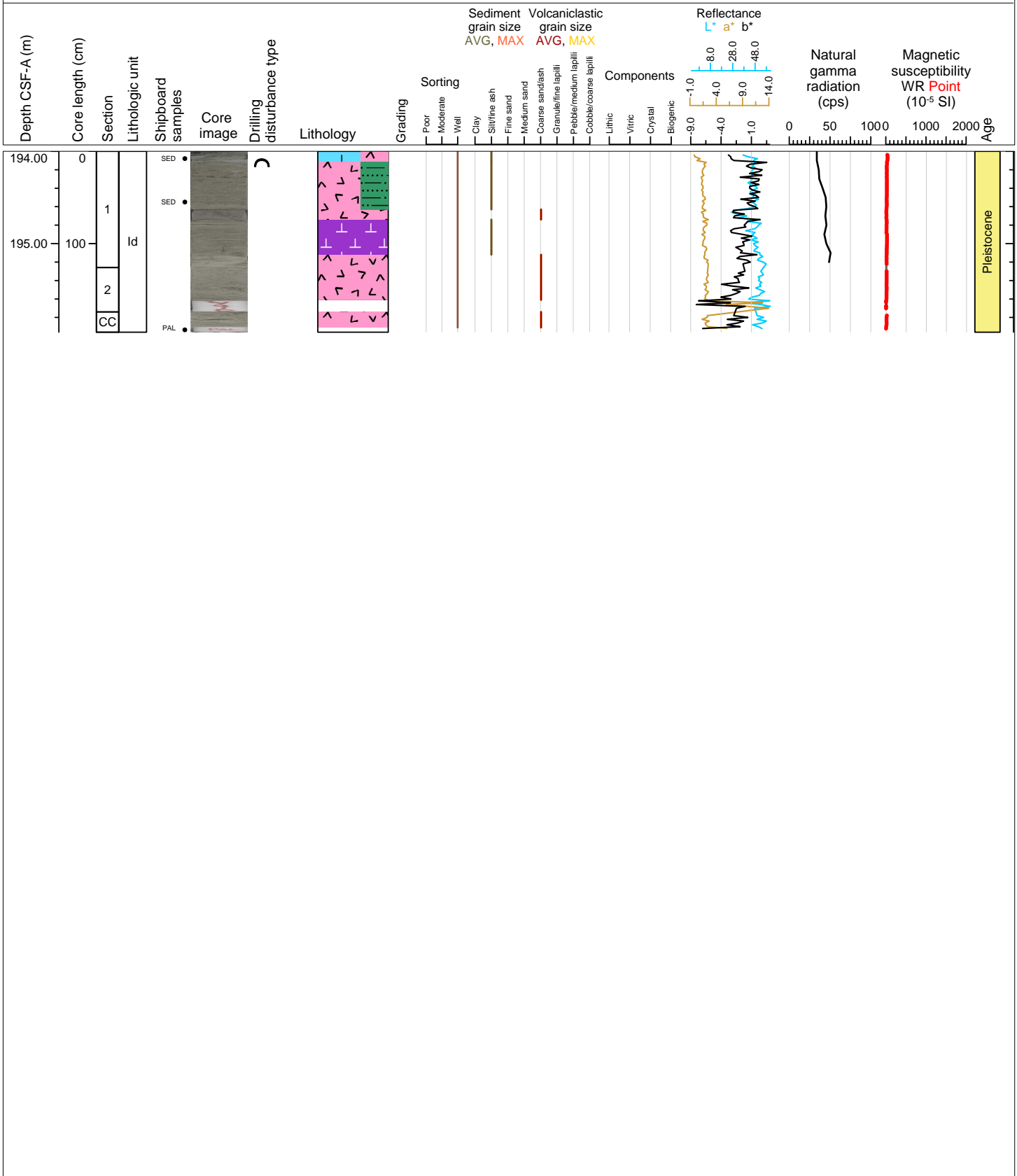
Hole 398-U1599B Core 30F, Interval 189.3-191.76 m (CSF-A)

Ash and lithic lapilli

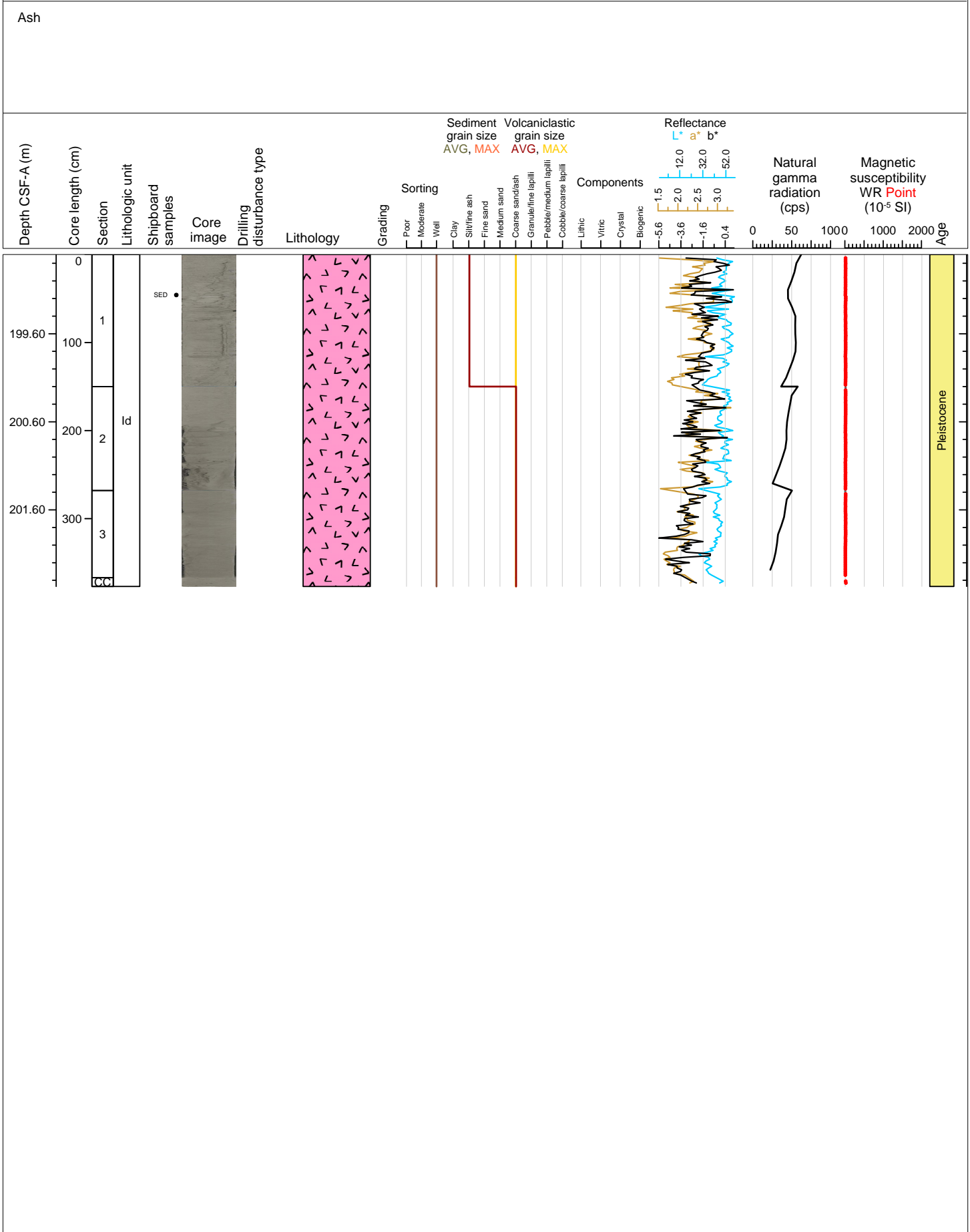


Hole 398-U1599B Core 31F, Interval 194.0-195.96 m (CSF-A)

Ooze and tuffaceous ooze, ash



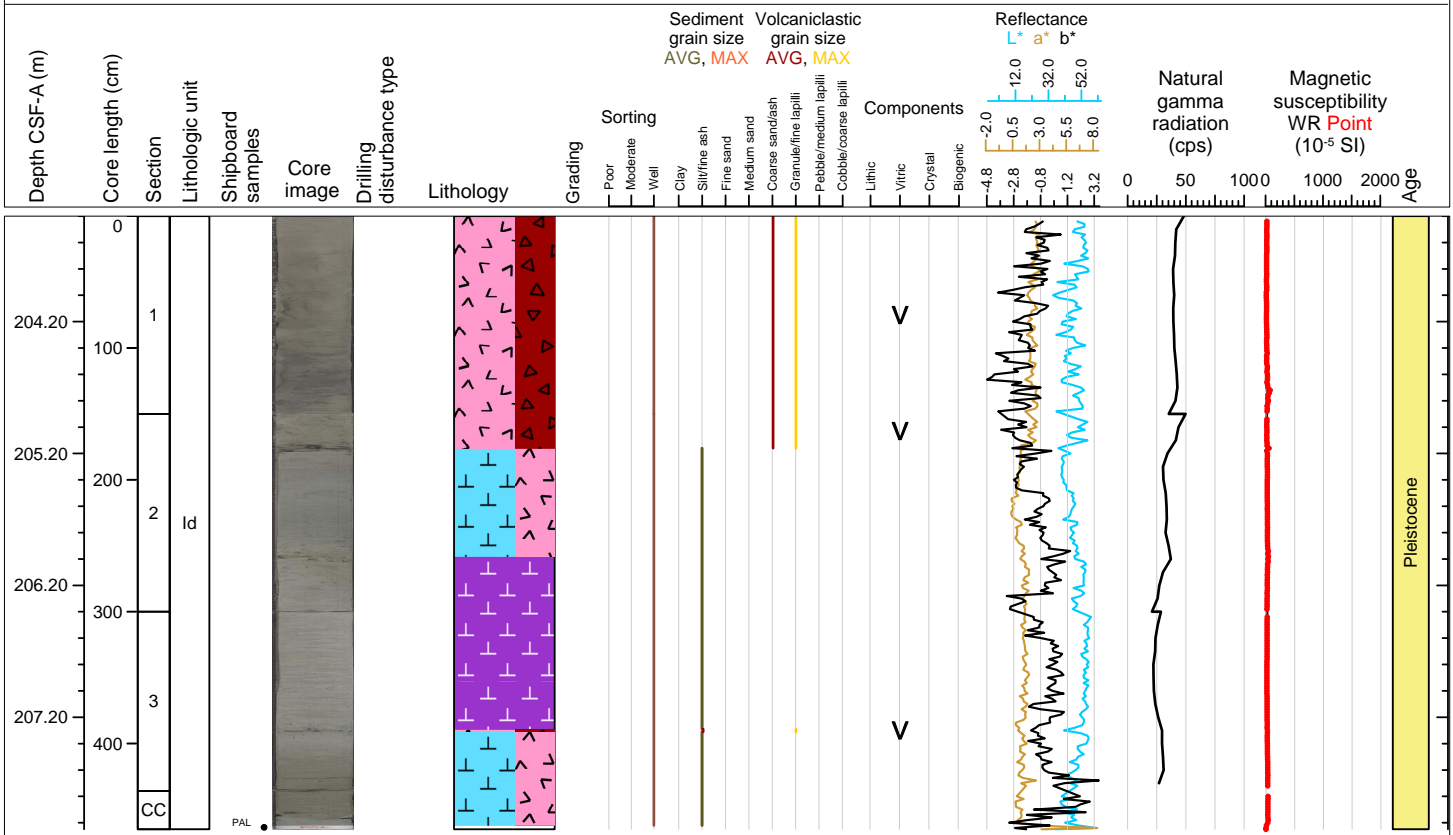
Hole 398-U1599B Core 32F, Interval 198.7-202.47 m (CSF-A)





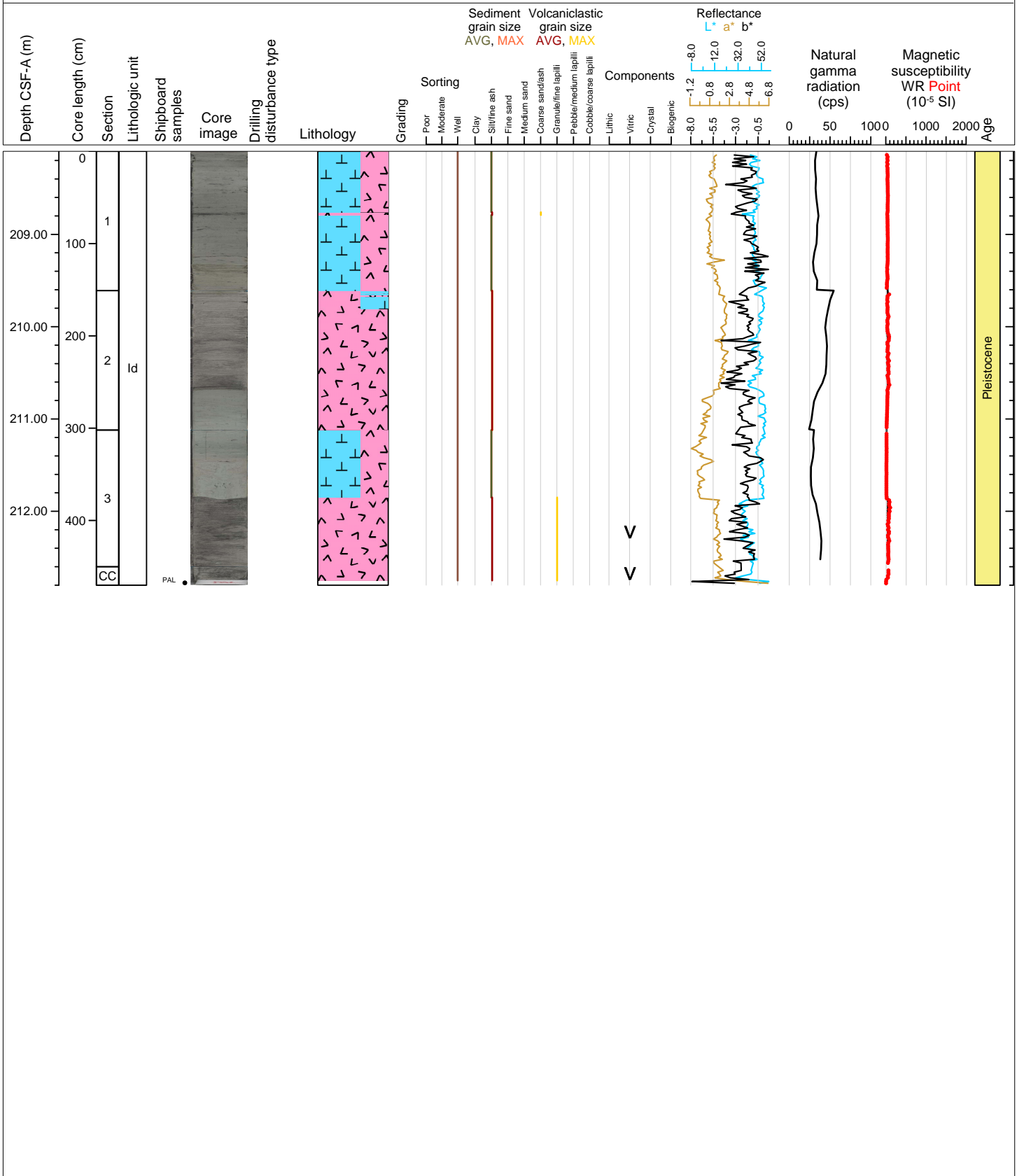
Hole 398-U1599B Core 33F, Interval 203.4-208.05 m (CSF-A)

Ash, ooze and tuffaceous ooze



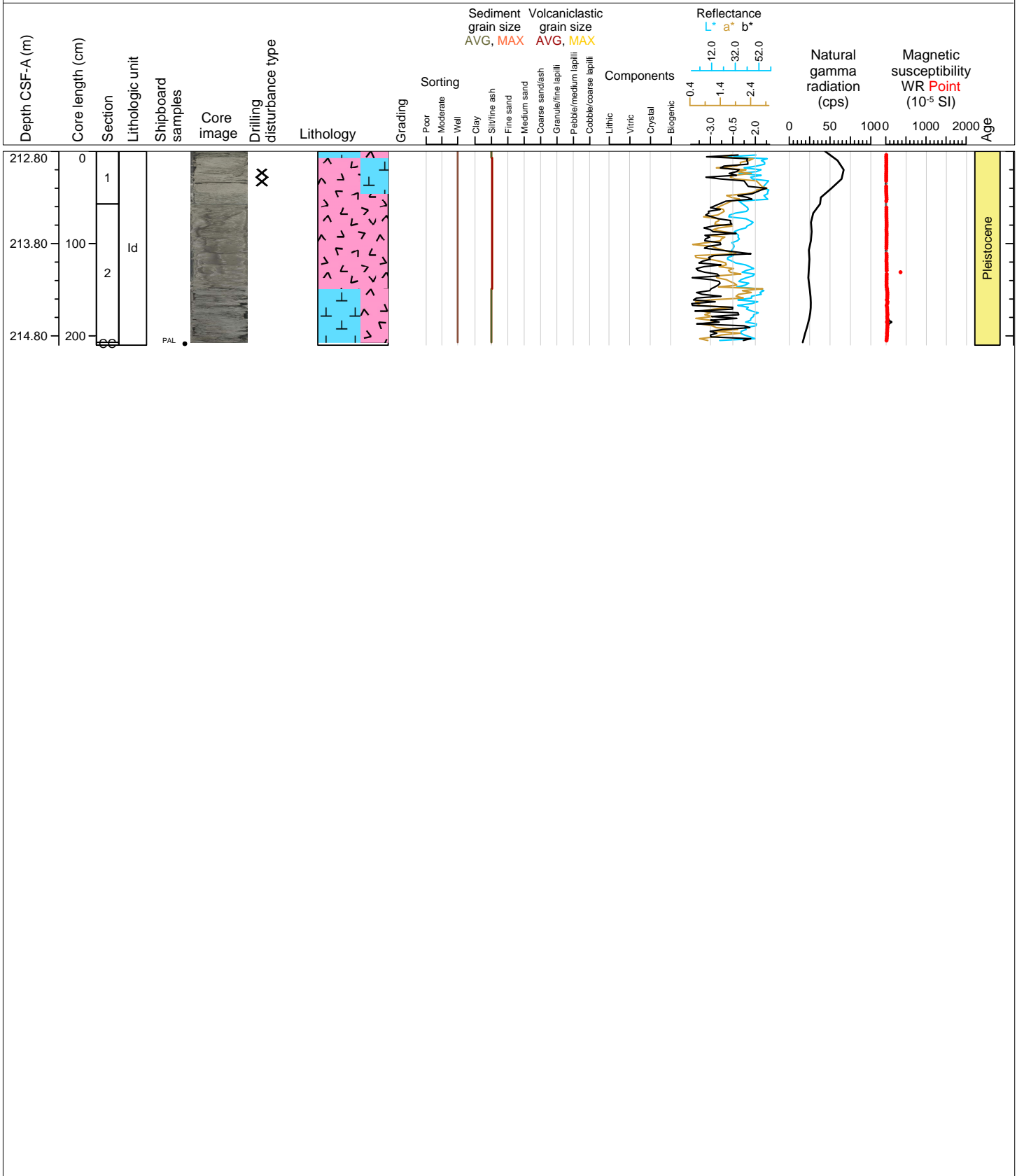
Hole 398-U1599B Core 34F, Interval 208.1-212.8 m (CSF-A)

Ooze and ash



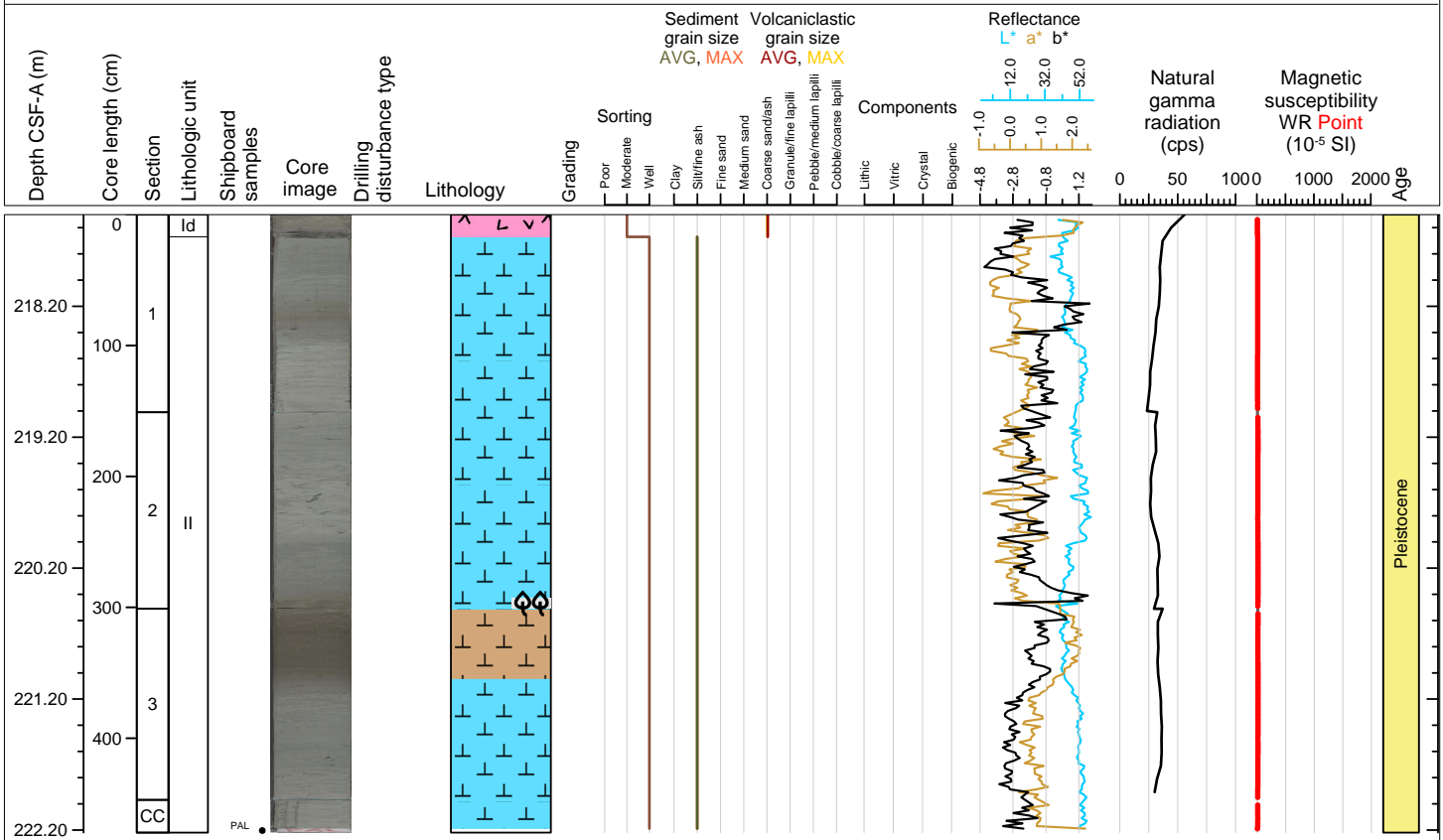
Hole 398-U1599B Core 35F, Interval 212.8-214.9 m (CSF-A)

Ooze and ash



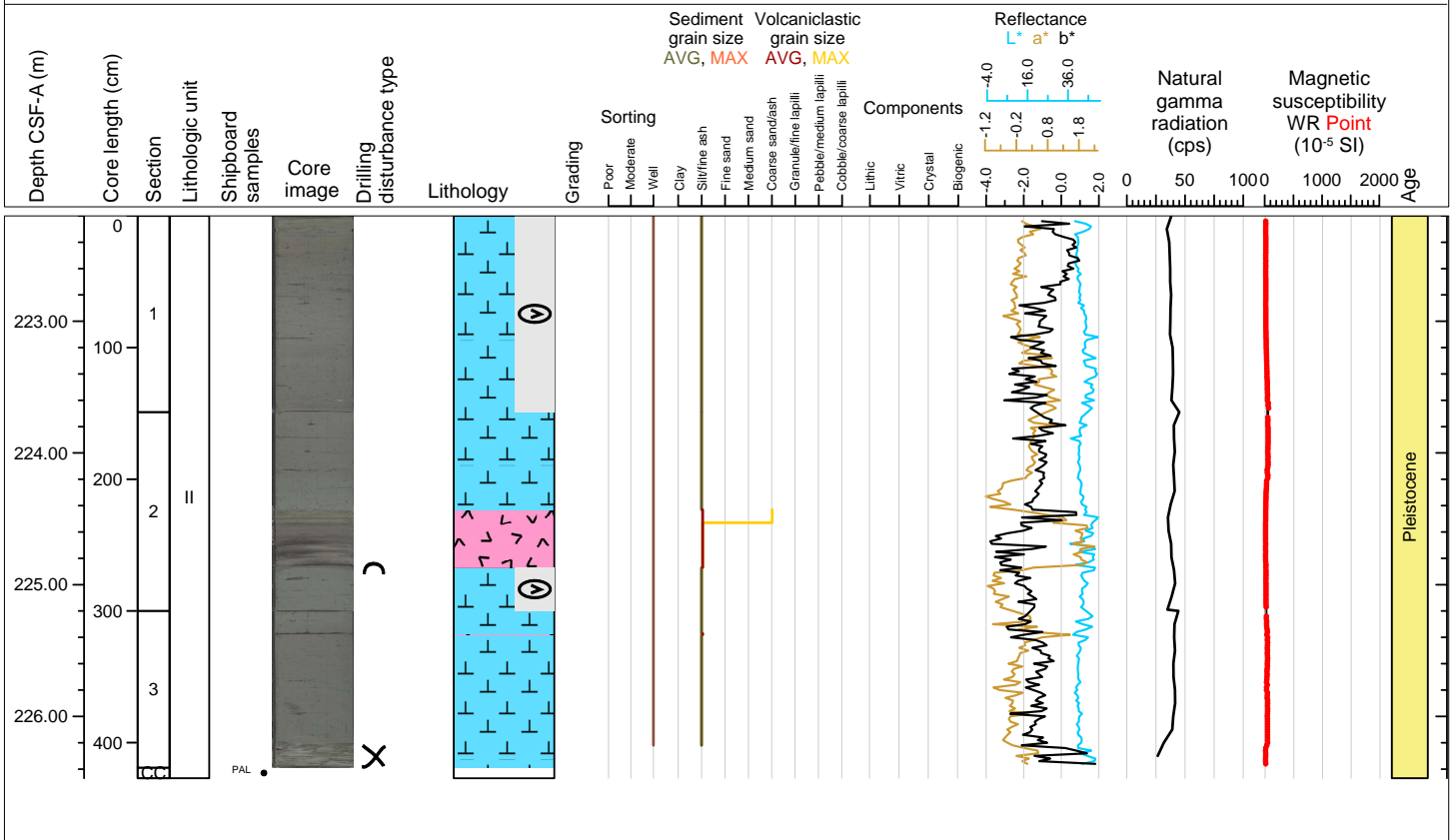
Hole 398-U1599B Core 36F, Interval 217.5-222.22 m (CSF-A)

Ooze and minor ash



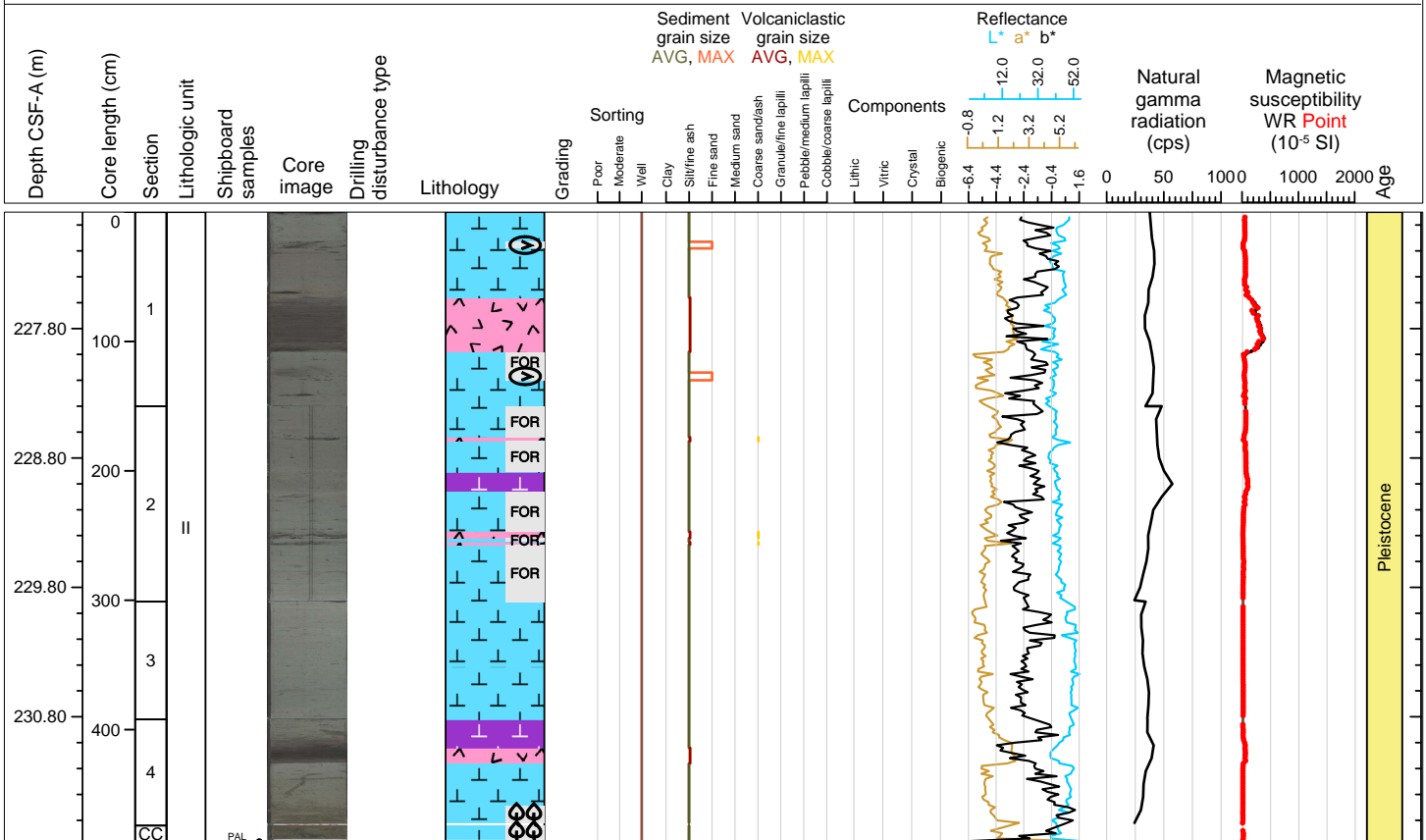
Hole 398-U1599B Core 37F, Interval 222.2-226.47 m (CSF-A)

Ooze and ash



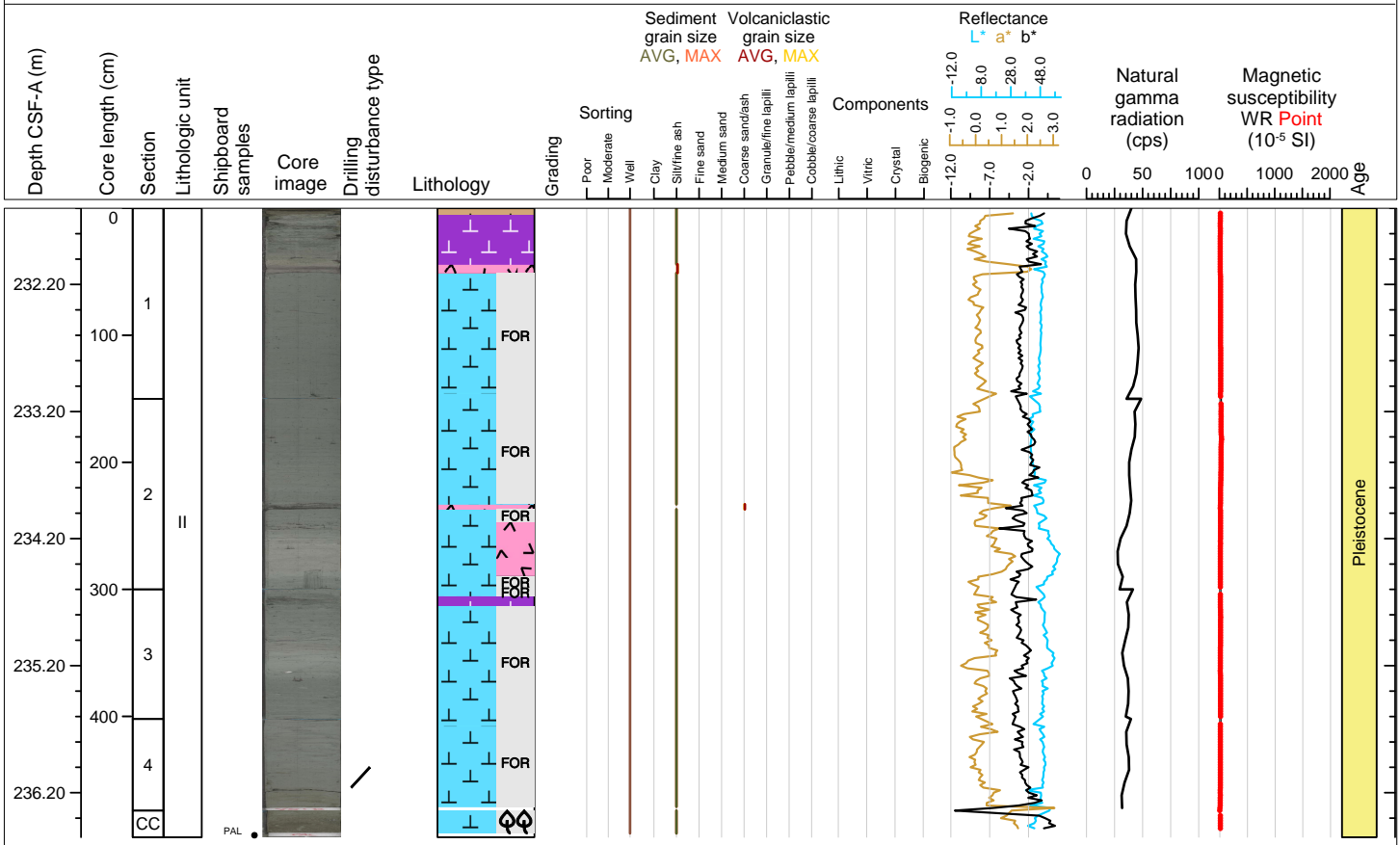
Hole 398-U1599B Core 38F, Interval 226.9-231.78 m (CSF-A)

Ooze and tuffaceous ooze, ash



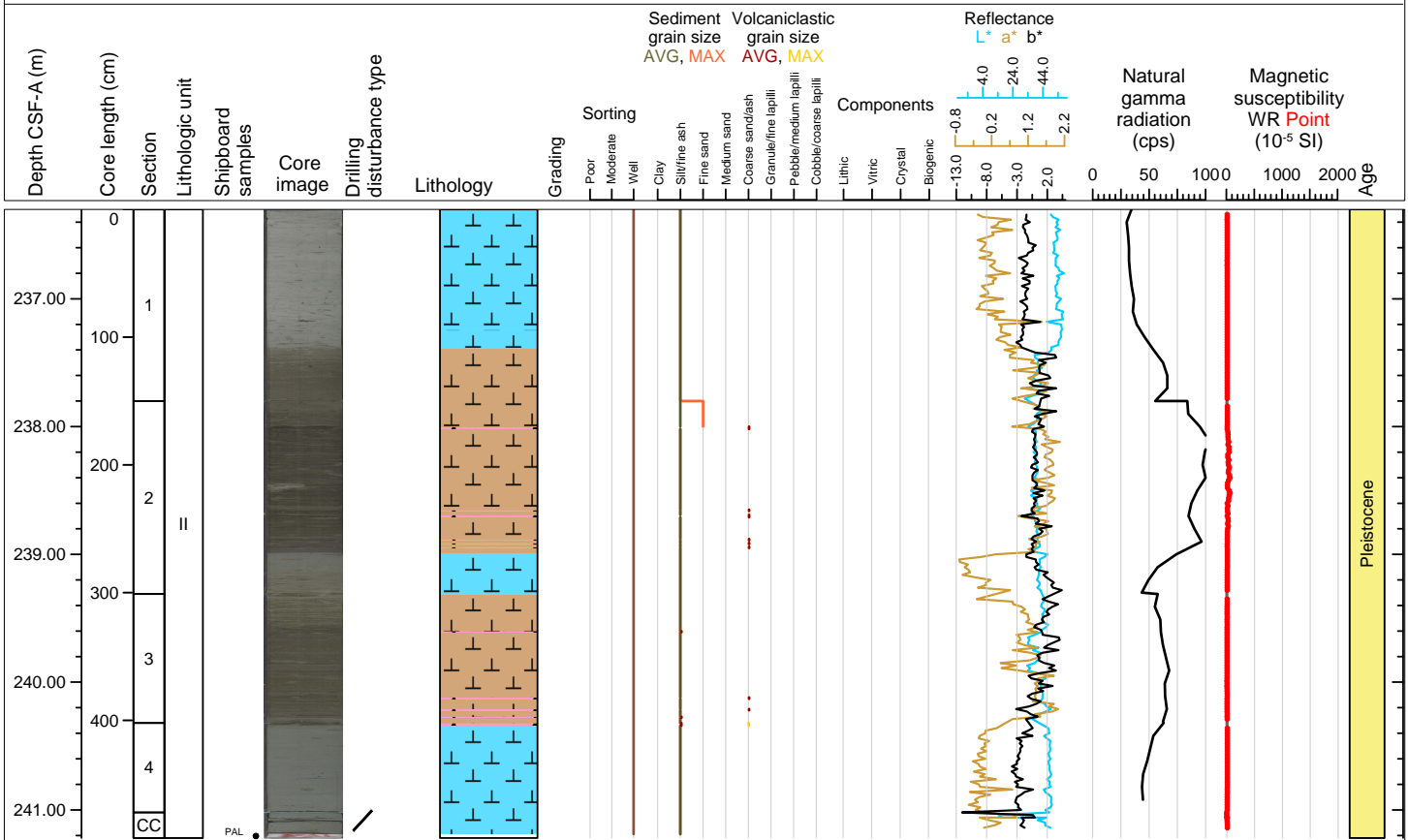
Hole 398-U1599B Core 39F, Interval 231.6-236.55 m (CSF-A)

Ooze and organic-rich ooze, ash



Hole 398-U1599B Core 40F, Interval 236.3-241.22 m (CSF-A)

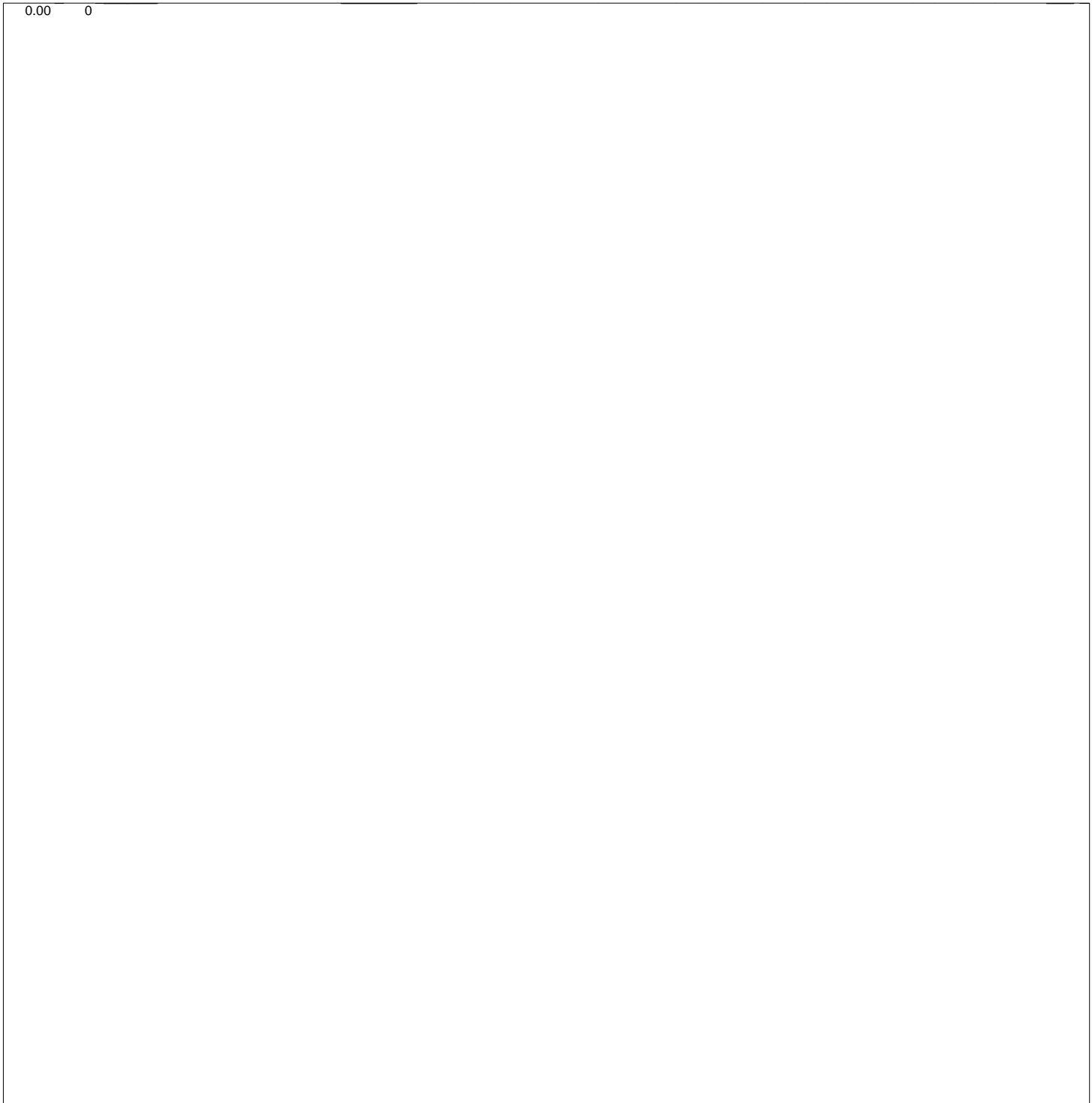
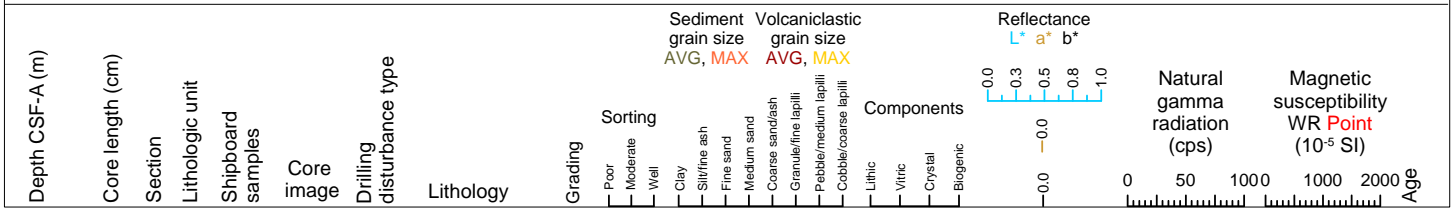
Ooze and organic-rich ooze with intercalated ash layers





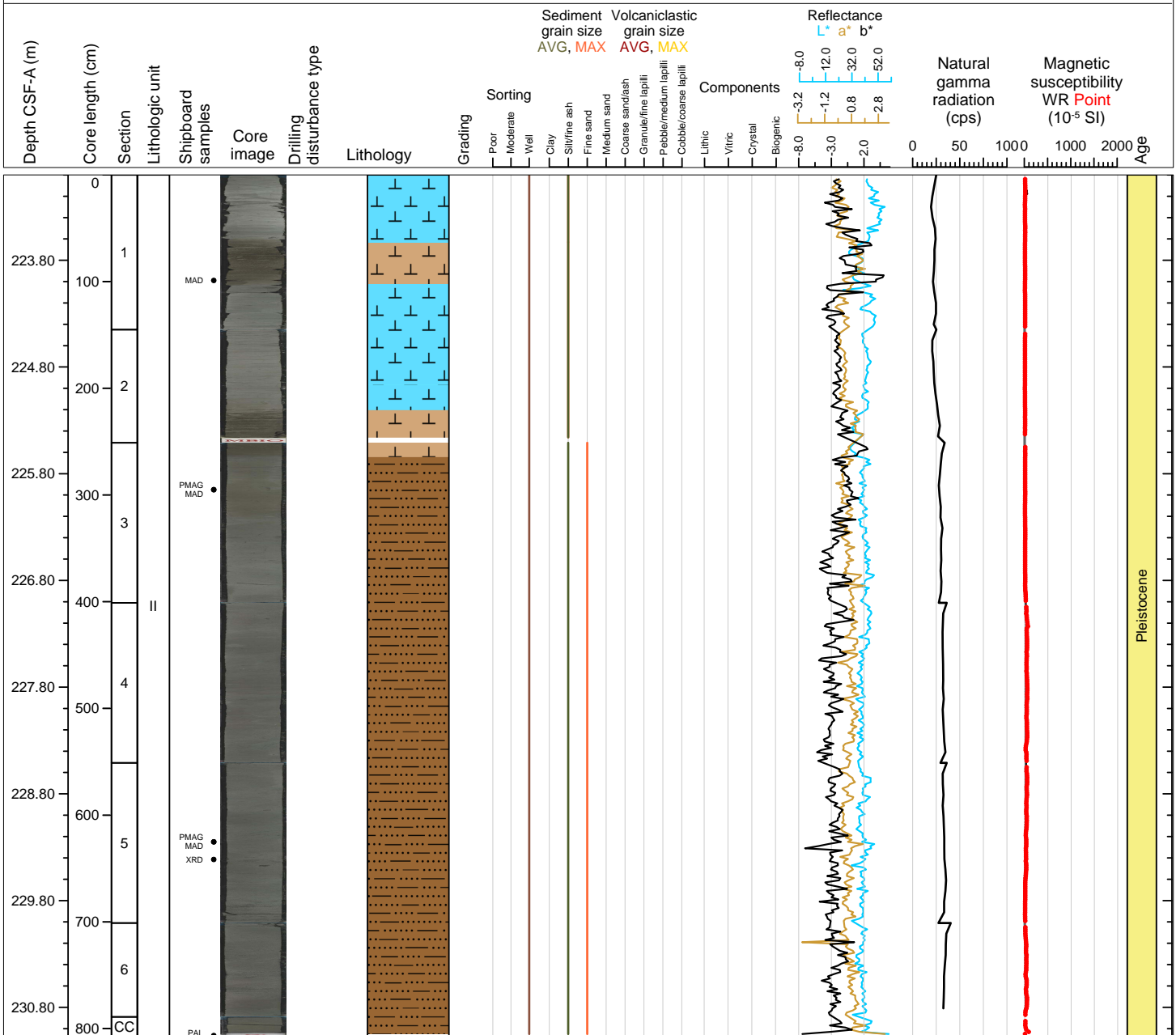
Hole 398-U1599C Core 11, Interval 0.0-0.0 m (CSF-A)

DRILLED INTERVAL 0.00-223.00 m



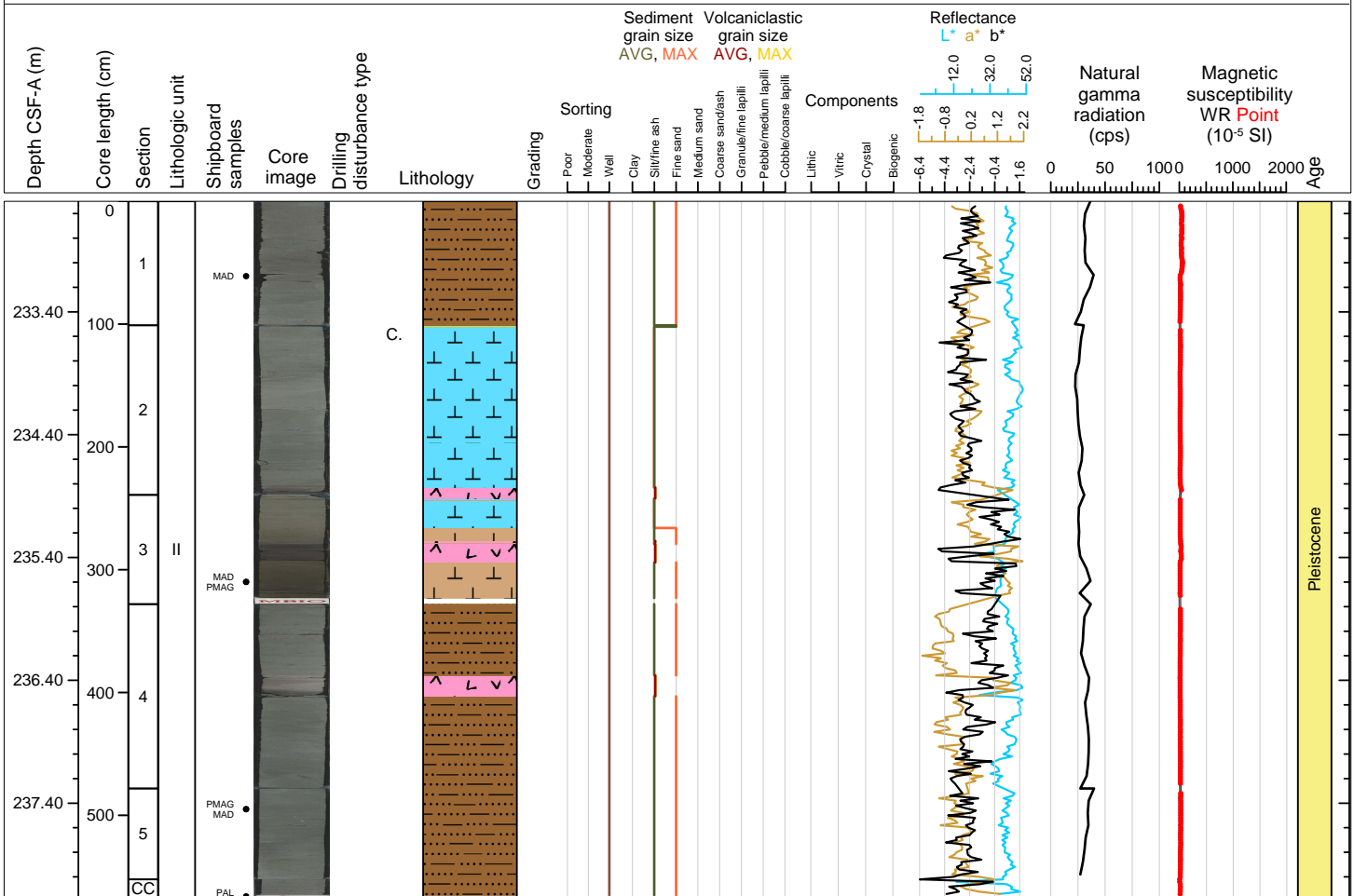
Hole 398-U1599C Core 2R, Interval 223.0-231.08 m (CSF-A)

Ooze, organic rich ooze and calcareous mud.



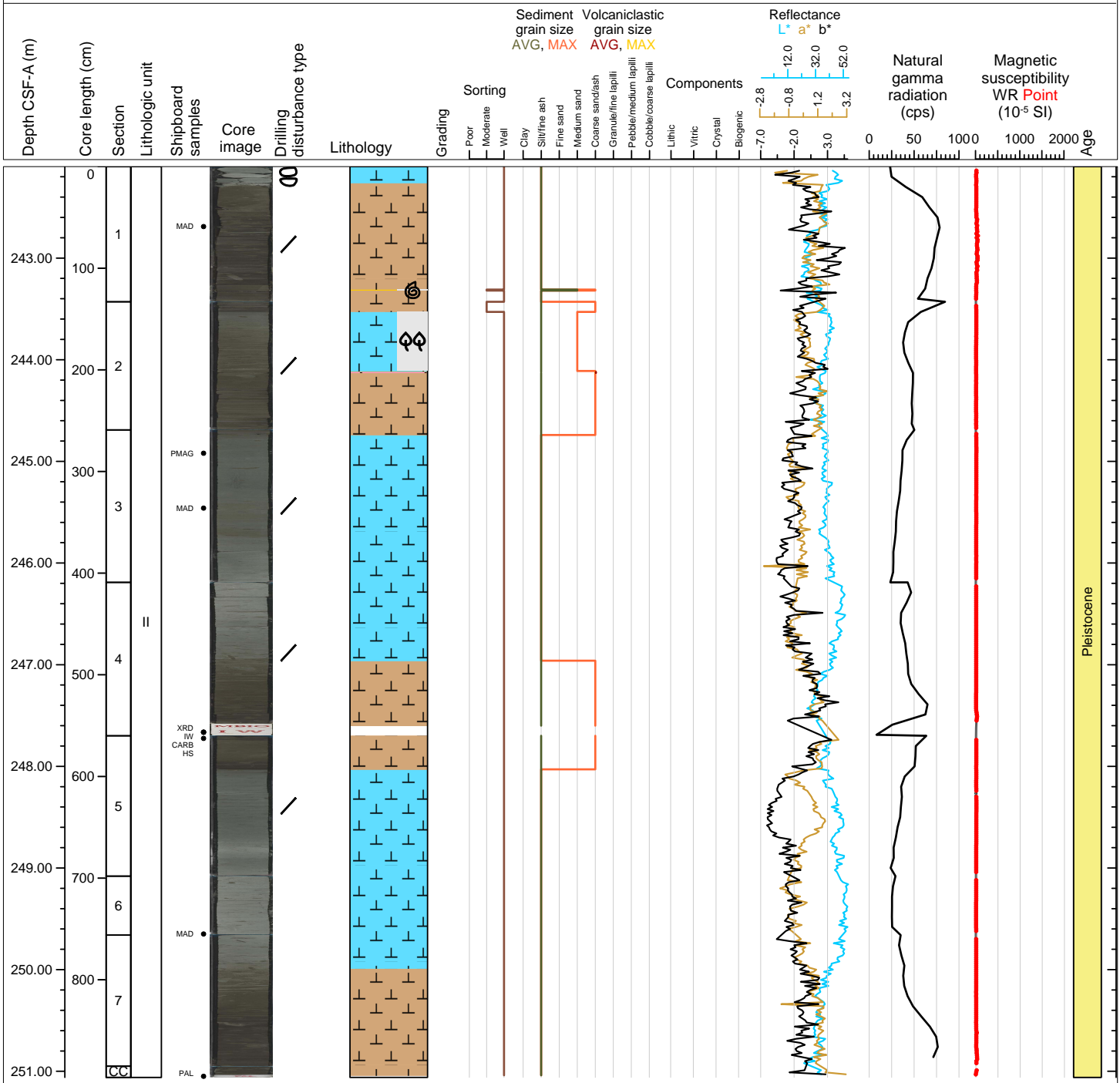
Hole 398-U1599C Core 3R, Interval 232.5-238.17 m (CSF-A)

Calcareous mud/sand, ooze, ash and organic rich ooze.



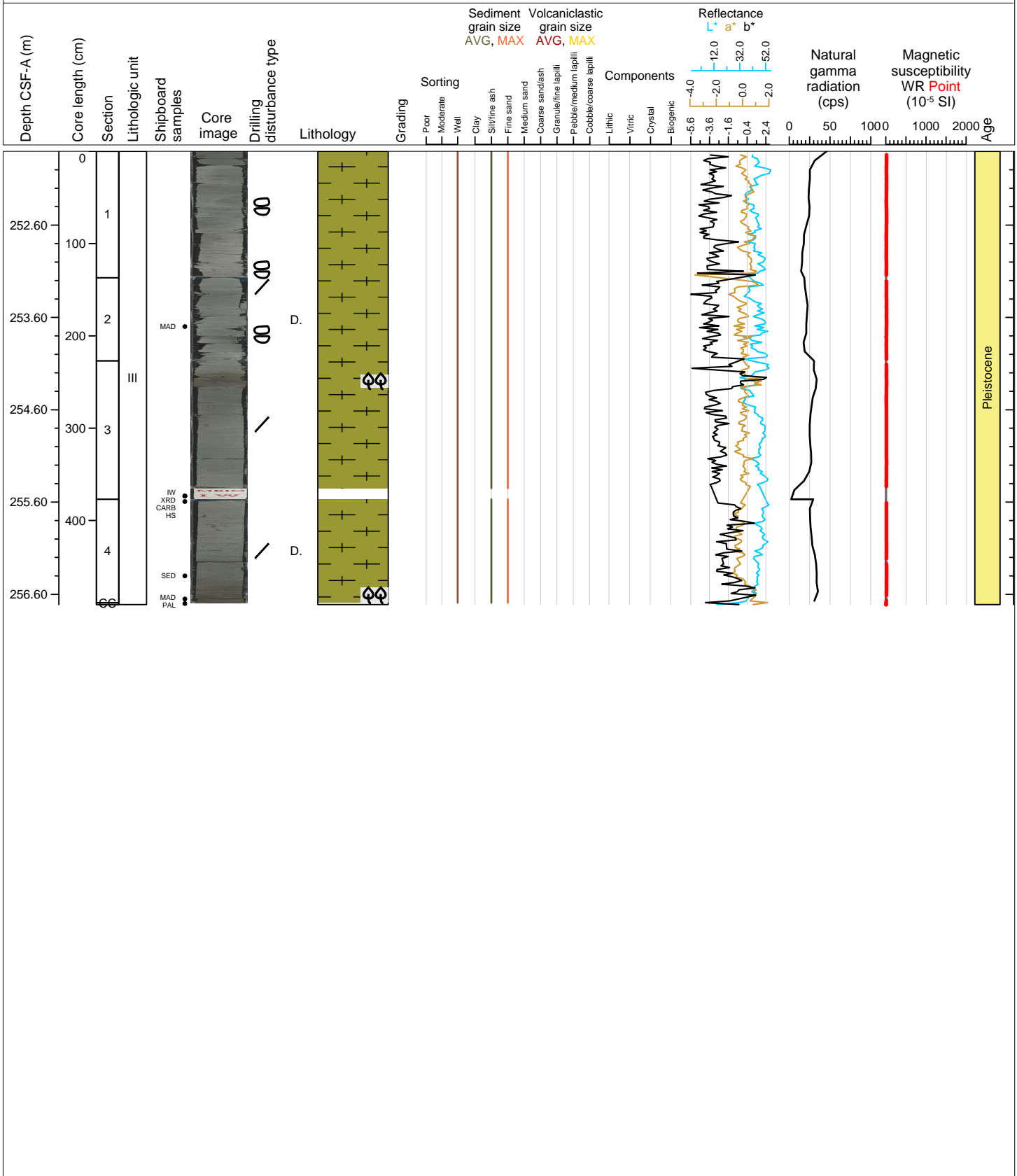
Hole 398-U1599C Core 4R, Interval 242.1-251.06 m (CSF-A)

Ooze, organic rich ooze, sand and ash.



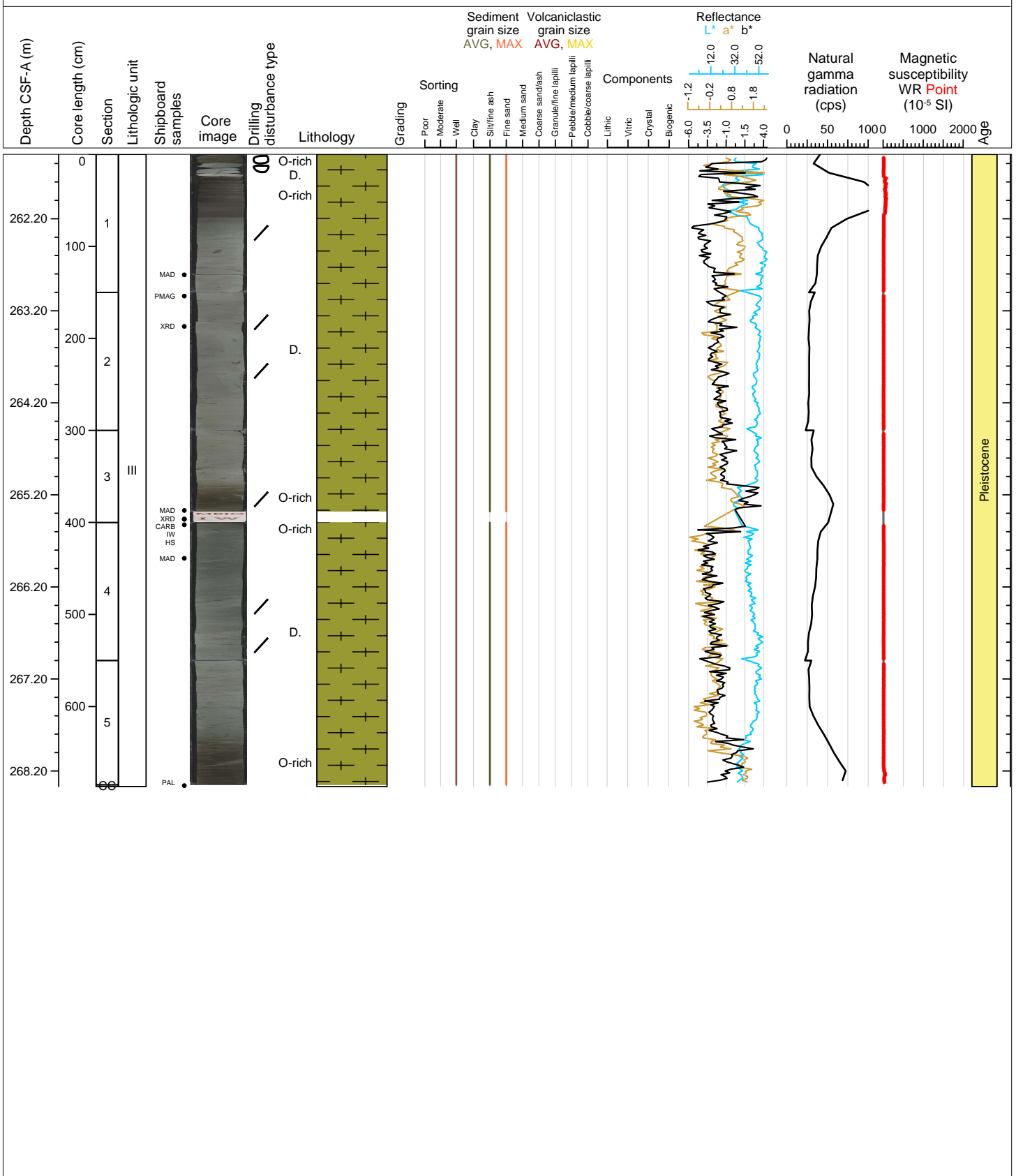
Hole 398-U1599C Core 5R, Interval 251.8-256.71 m (CSF-A)

Dolomitic marl.



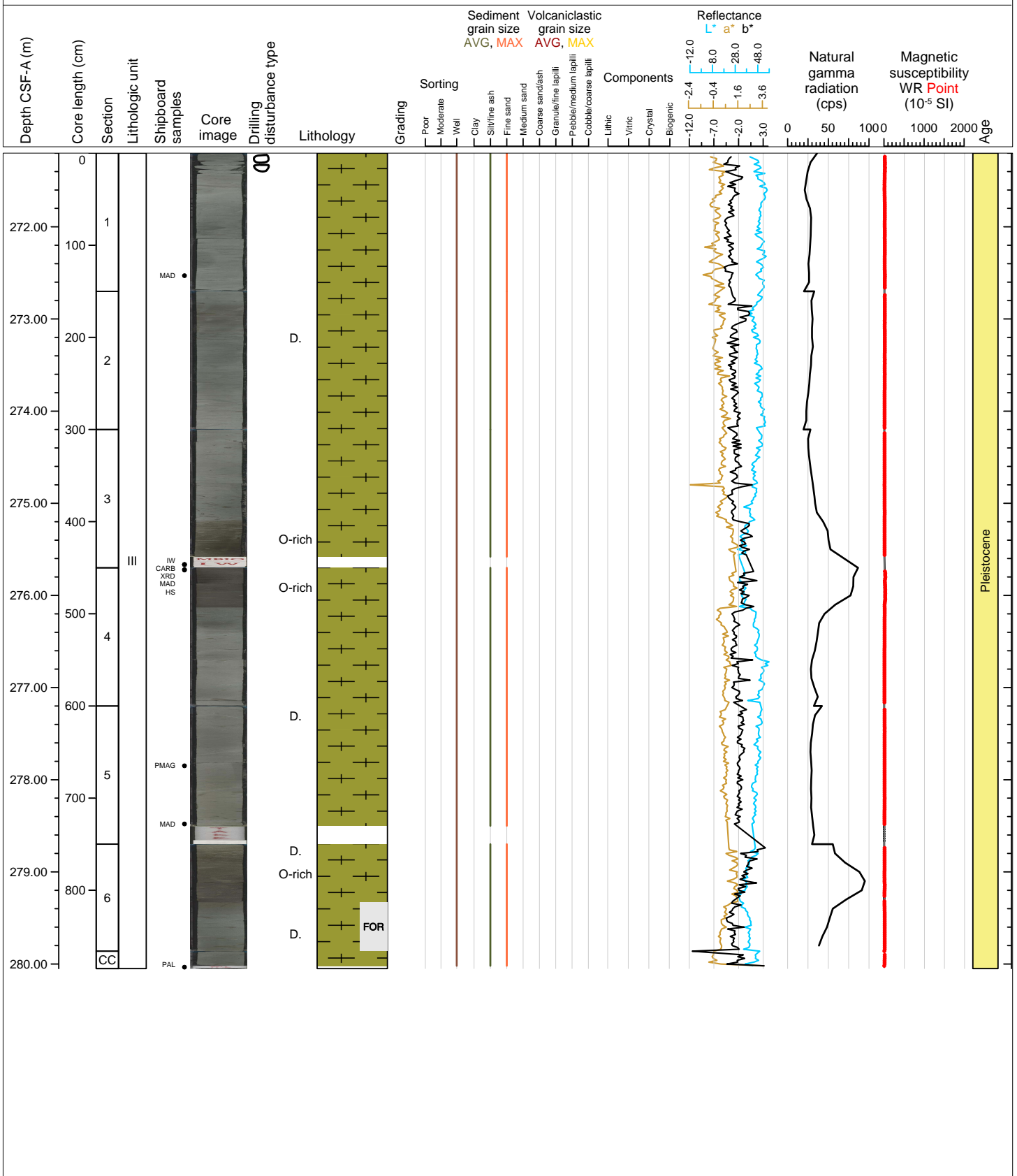
Hole 398-U1599C Core 6R, Interval 261.5-268.37 m (CSF-A)

Organic rich marl and dolomitic marl.



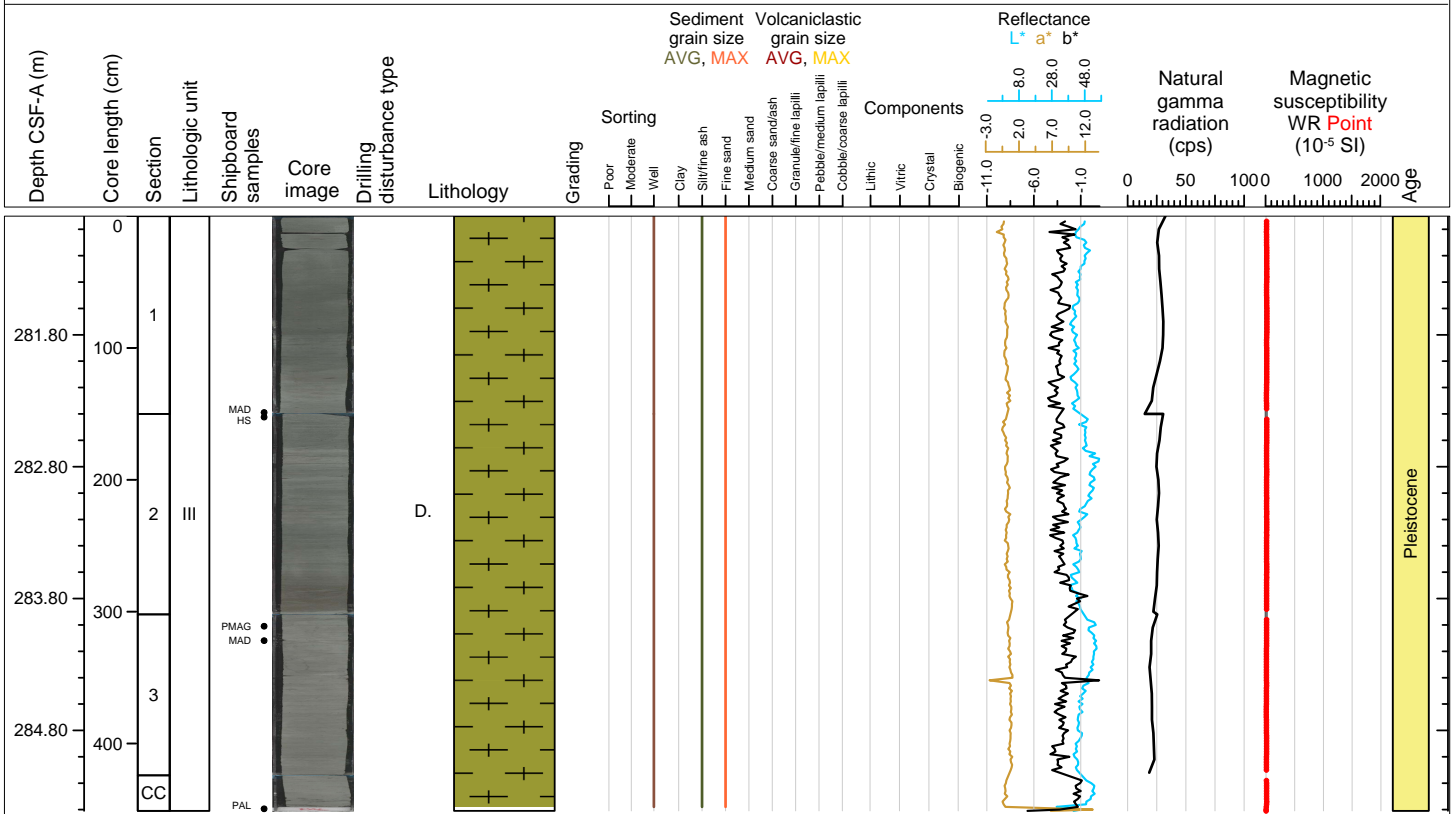
Hole 398-U1599C Core 7R, Interval 271.2-280.05 m (CSF-A)

Dolomitic marl and organic rich marl.



Hole 398-U1599C Core 8R, Interval 280.9-285.41 m (CSF-A)

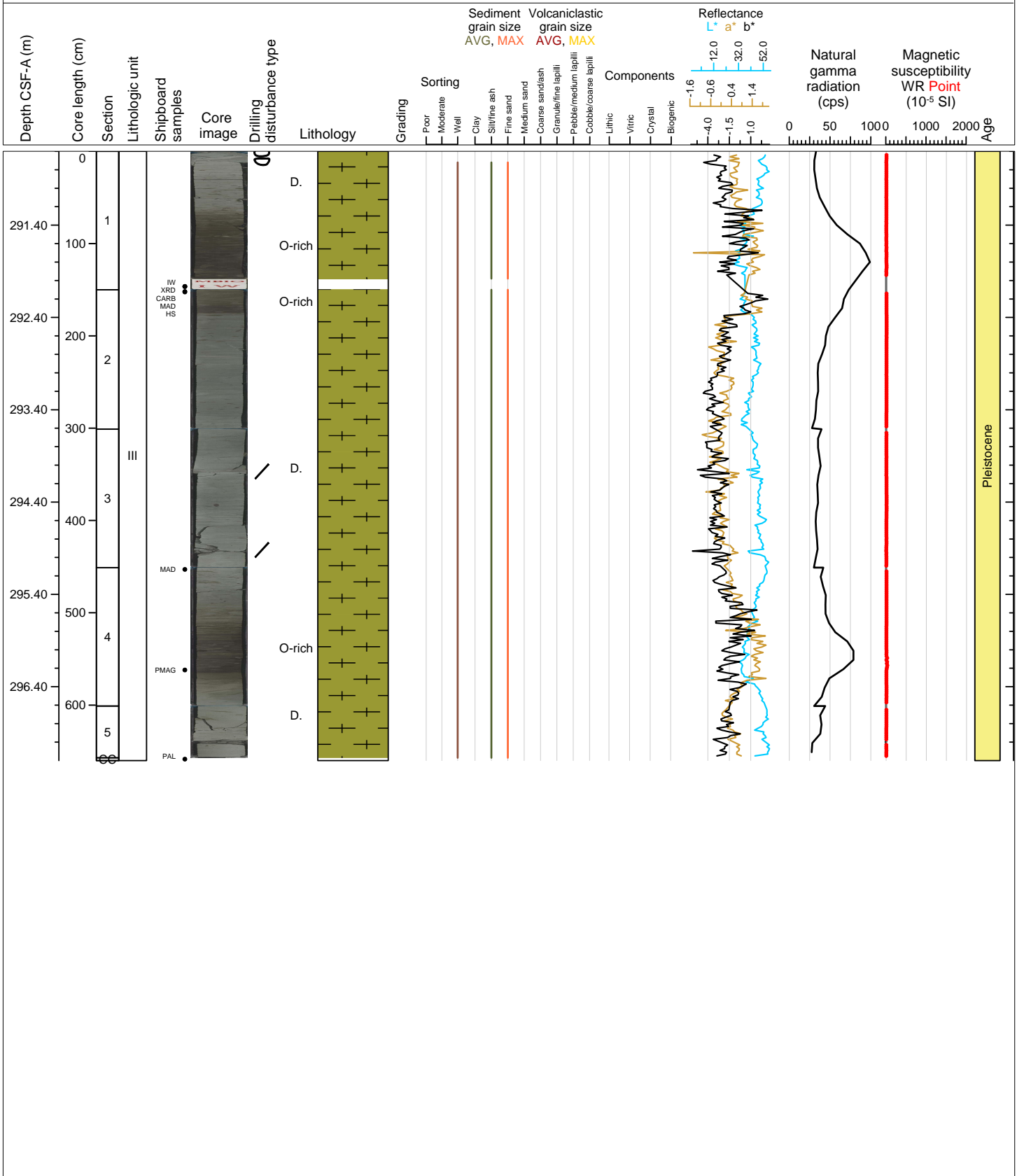
Dolomitic marl.





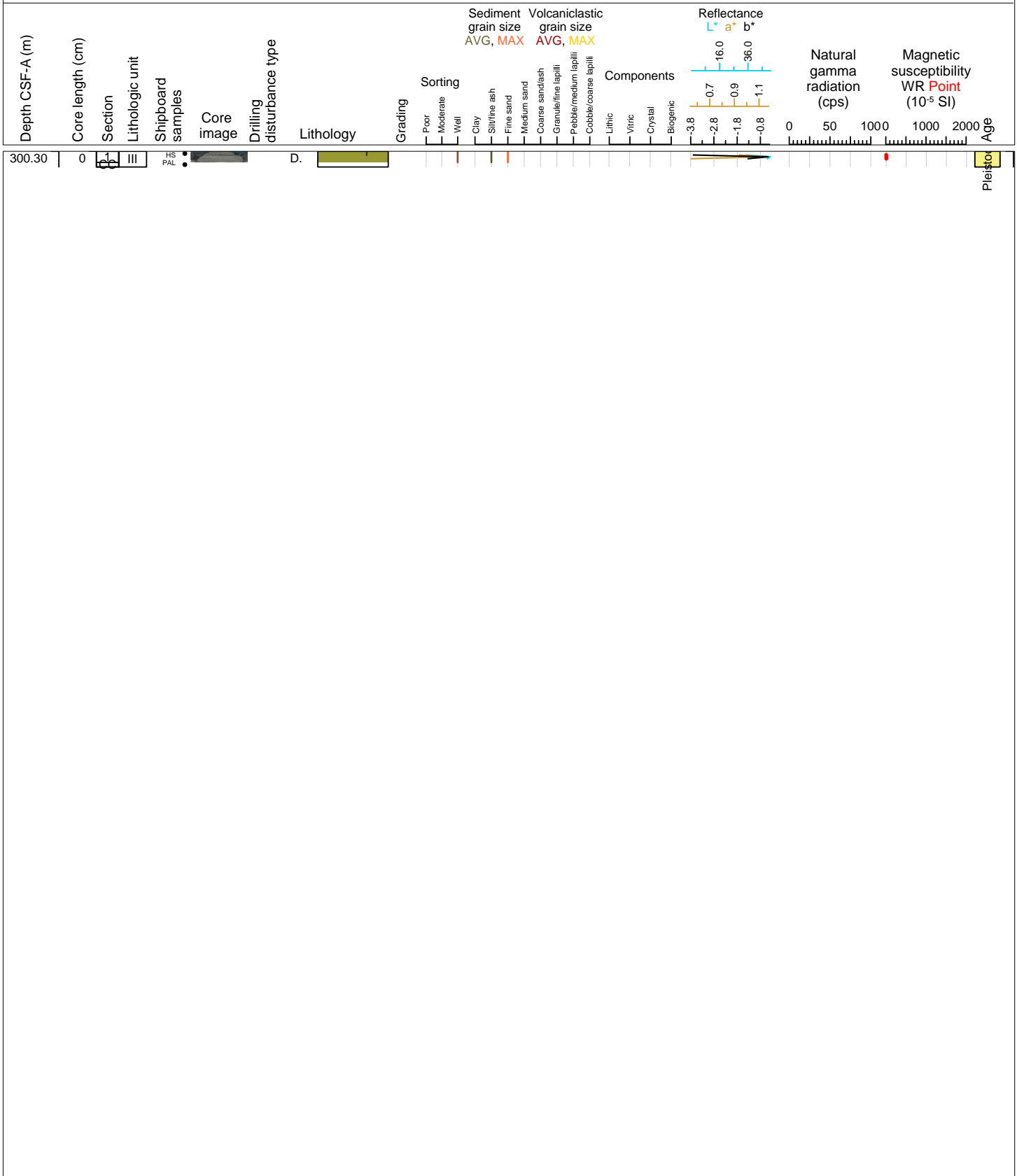
Hole 398-U1599C Core 9R, Interval 290.6-297.2 m (CSF-A)

Dolomitic marl and organic rich marl.



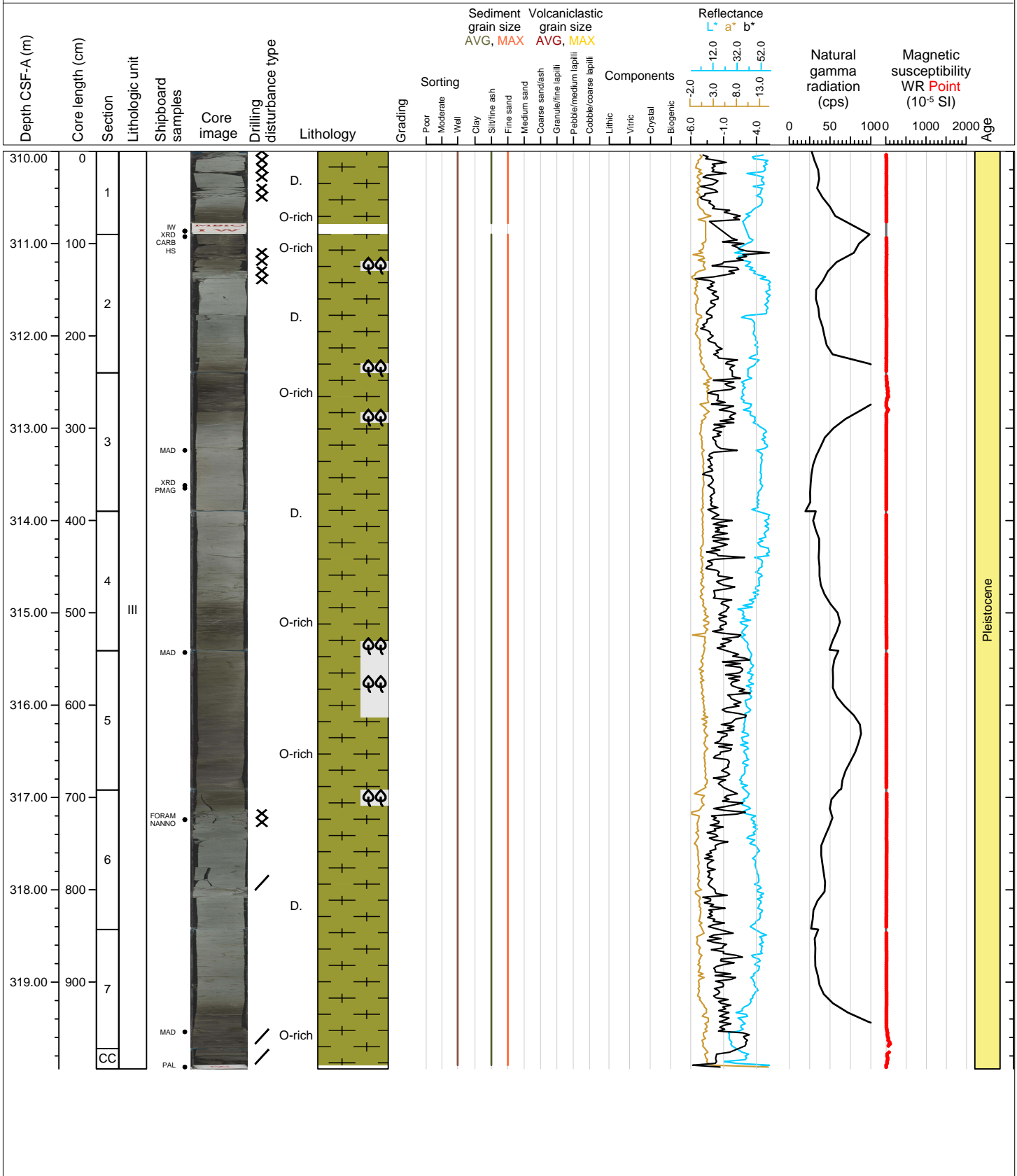
Hole 398-U1599C Core 10R, Interval 300.3-300.47 m (CSF-A)

Dolomitic marl.



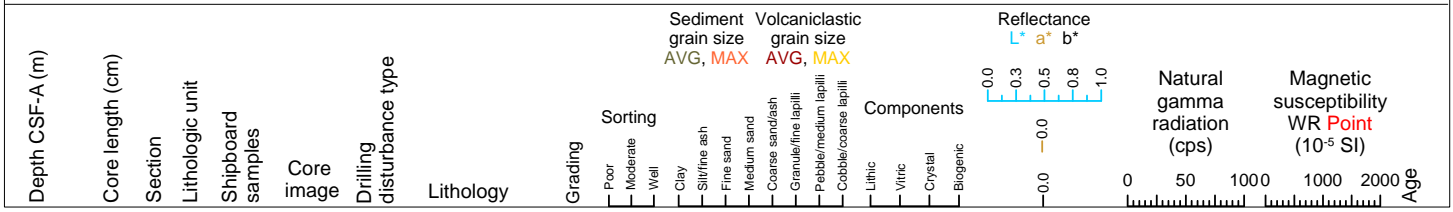
Hole 398-U1599C Core 11R, Interval 310.0-319.94 m (CSF-A)

Dolomitic marl, organic rich marl and marl with organic material.



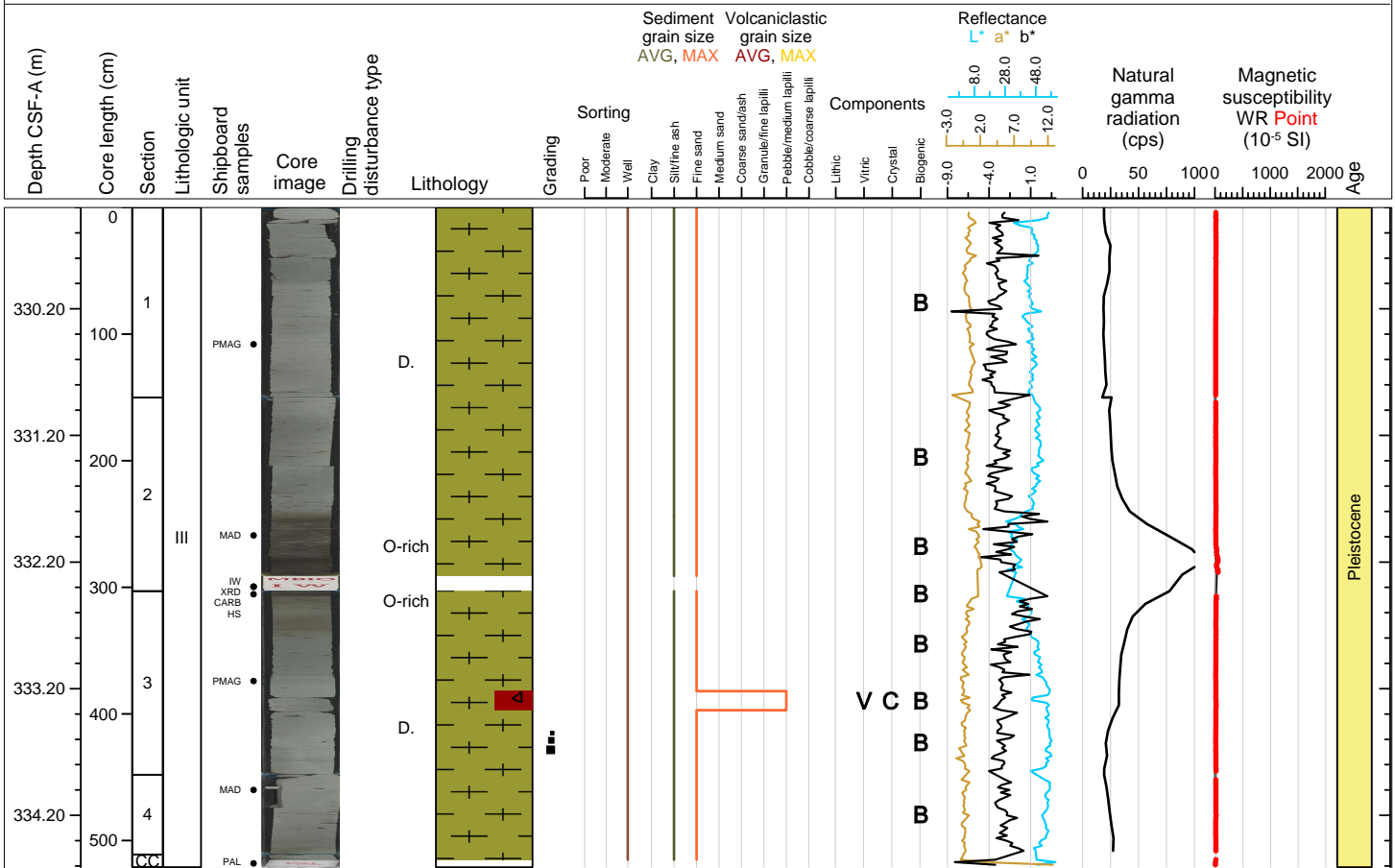
Hole 398-U1599C Core 12R, Interval 319.7-319.7 m (CSF-A)

NO RECOVERY 319.7-329.4 m



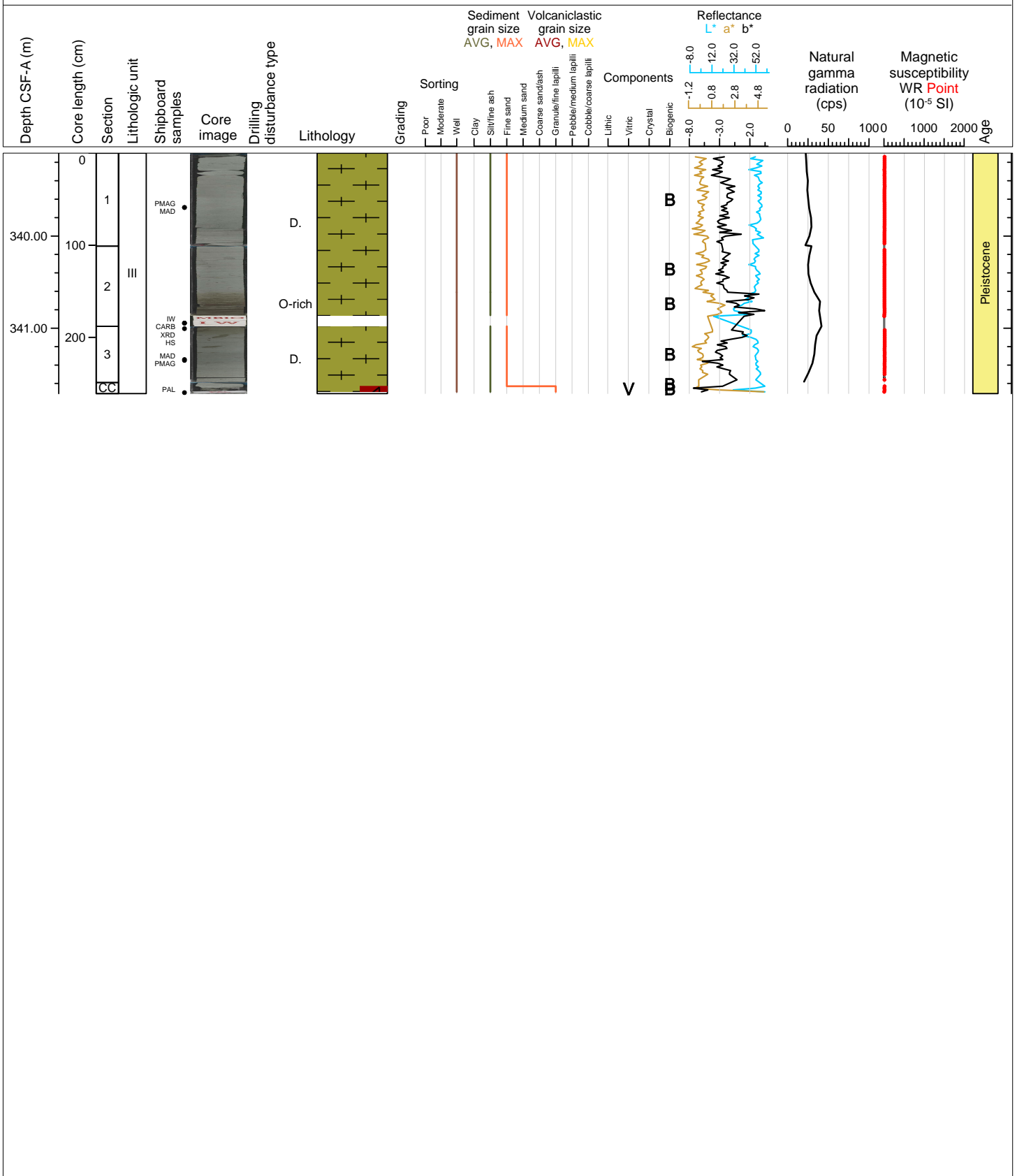
Hole 398-U1599C Core 13R, Interval 329.4-334.61 m (CSF-A)

Dolomitic marl and organic rich marl.



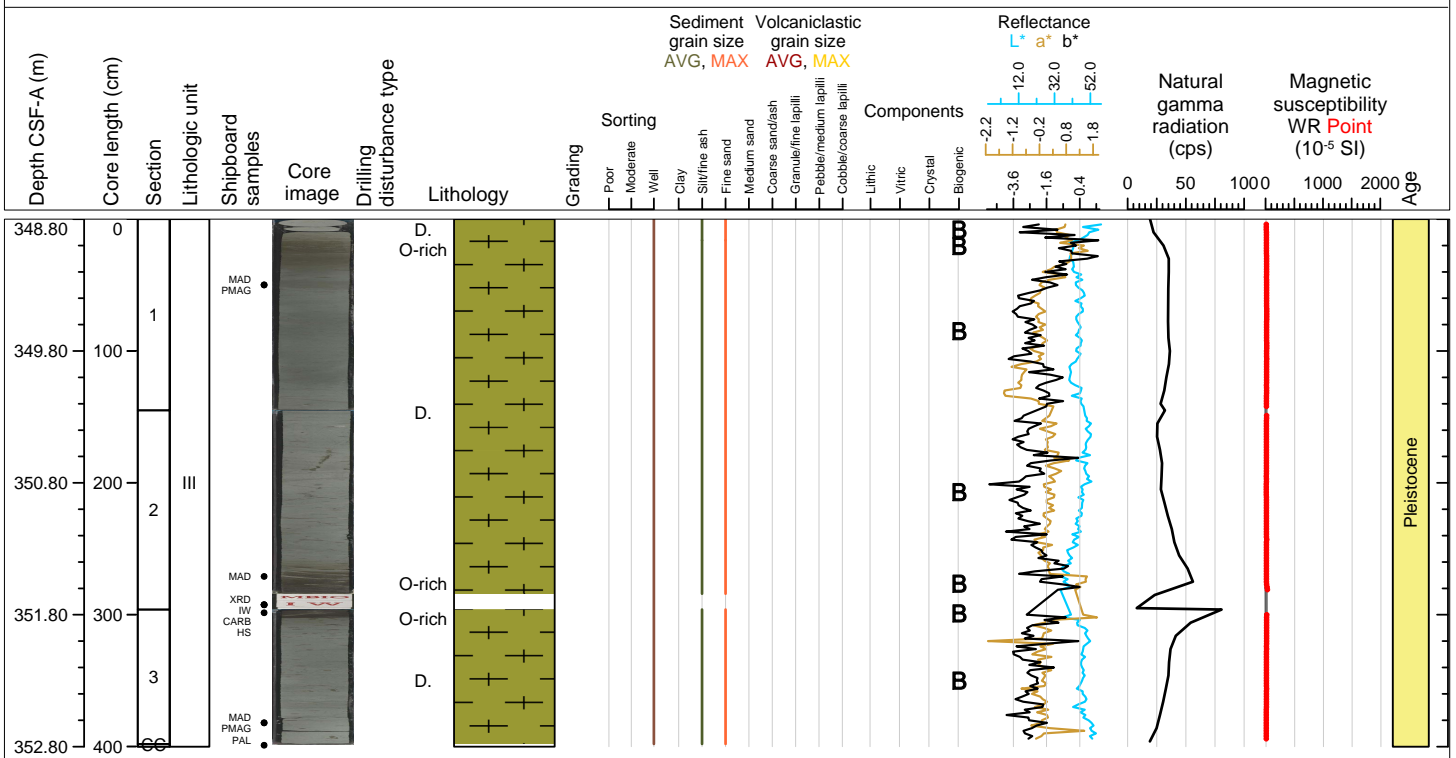
Hole 398-U1599C Core 14R, Interval 339.1-341.71 m (CSF-A)

Dolomitic marl and organic rich marl.



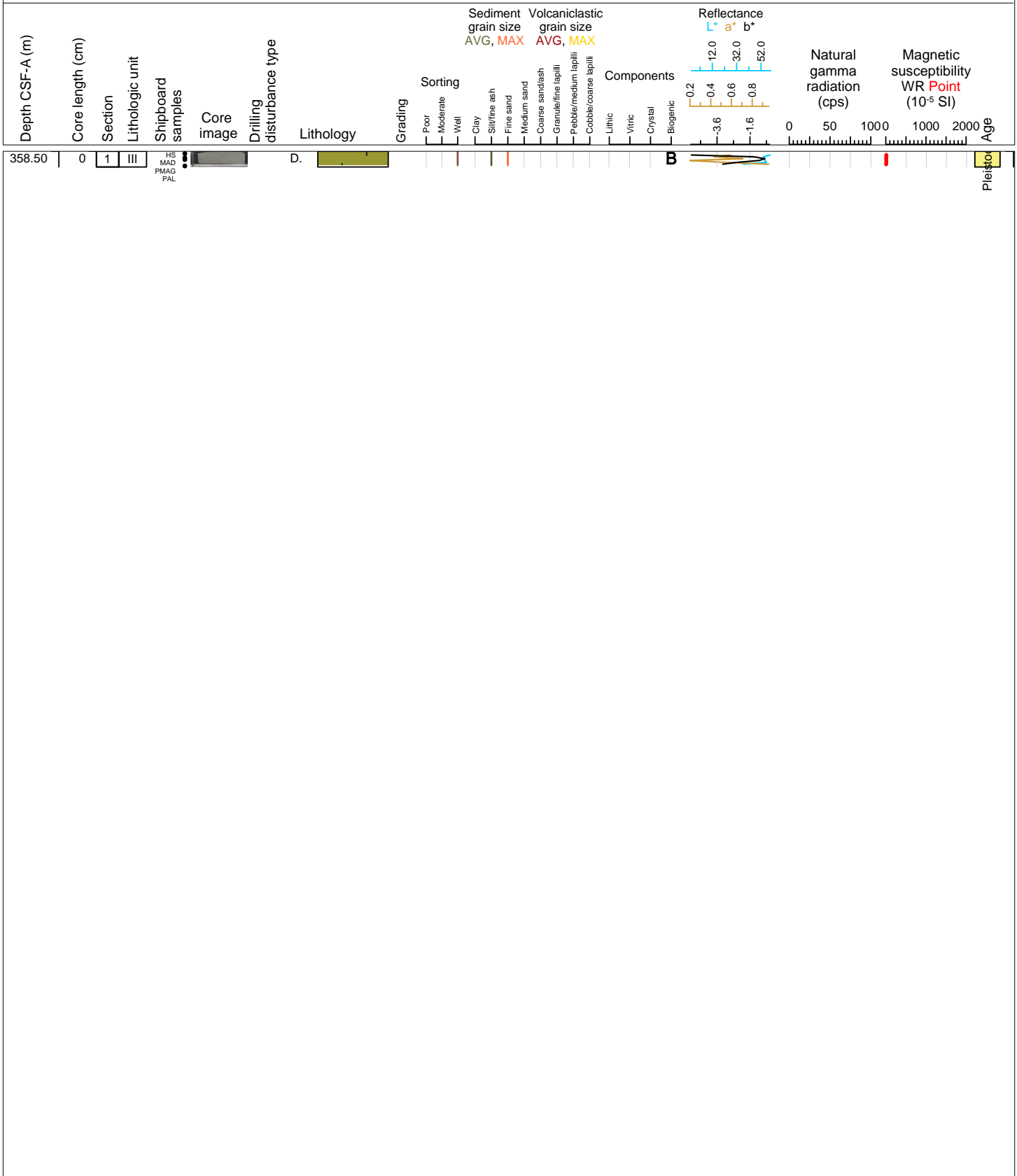
Hole 398-U1599C Core 15R, Interval 348.8-352.8 m (CSF-A)

Dolomitic marl and organic rich marl.



Hole 398-U1599C Core 16R, Interval 358.5-358.67 m (CSF-A)

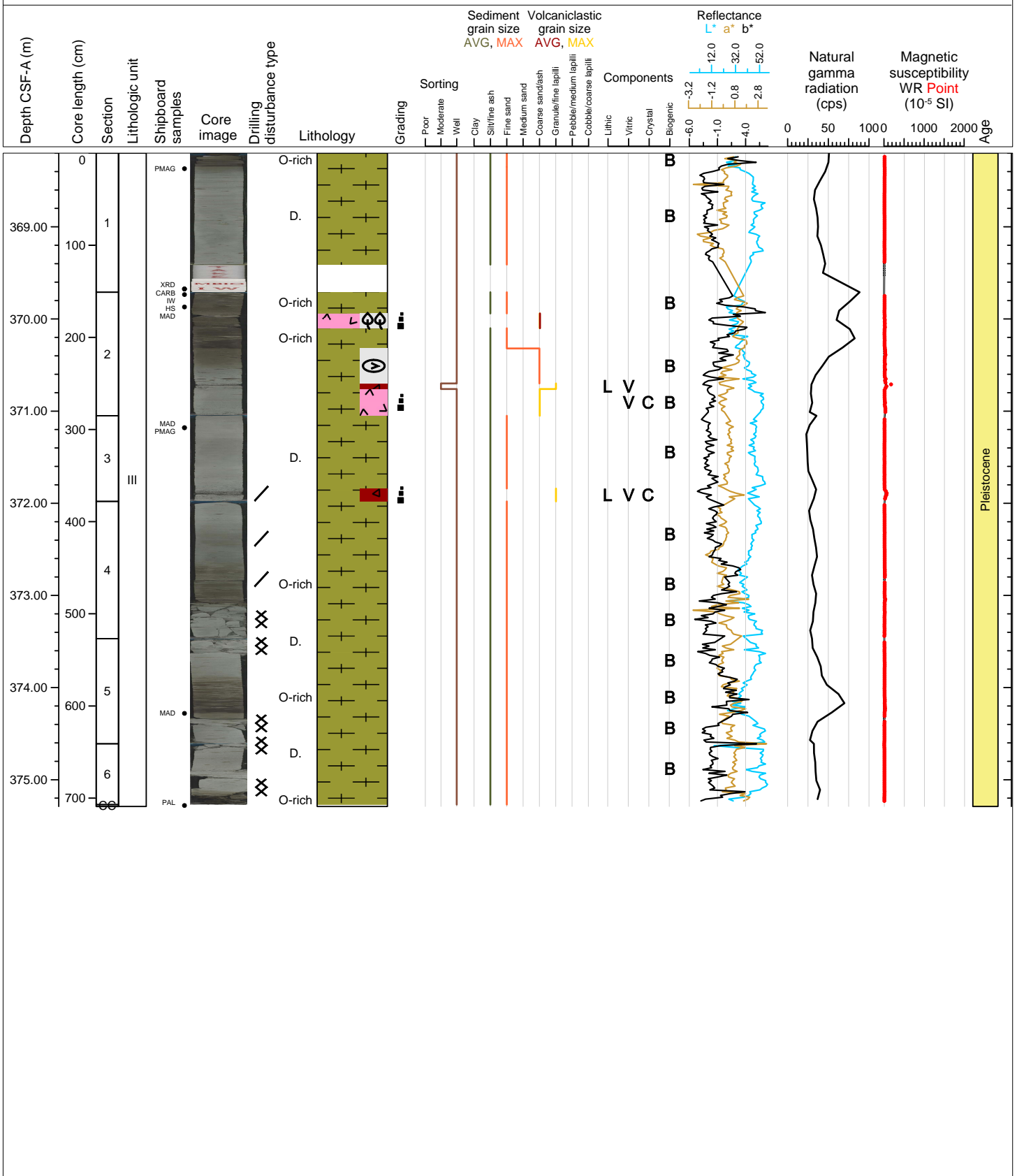
Dolomitic marl.





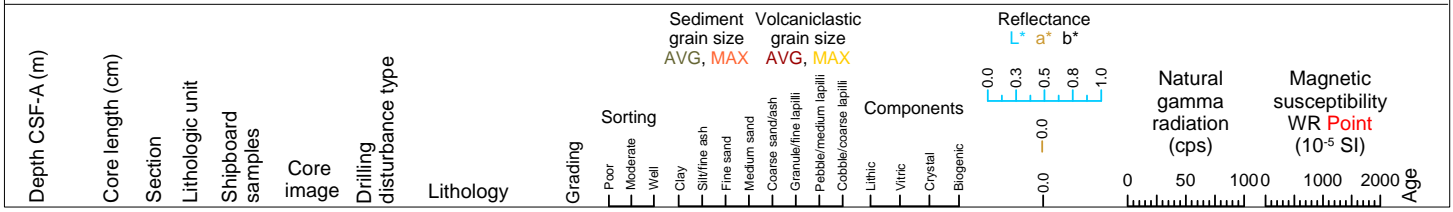
Hole 398-U1599C Core 17R, Interval 368.2-375.29 m (CSF-A)

Organic rich marl, dolomitic marl and ash.



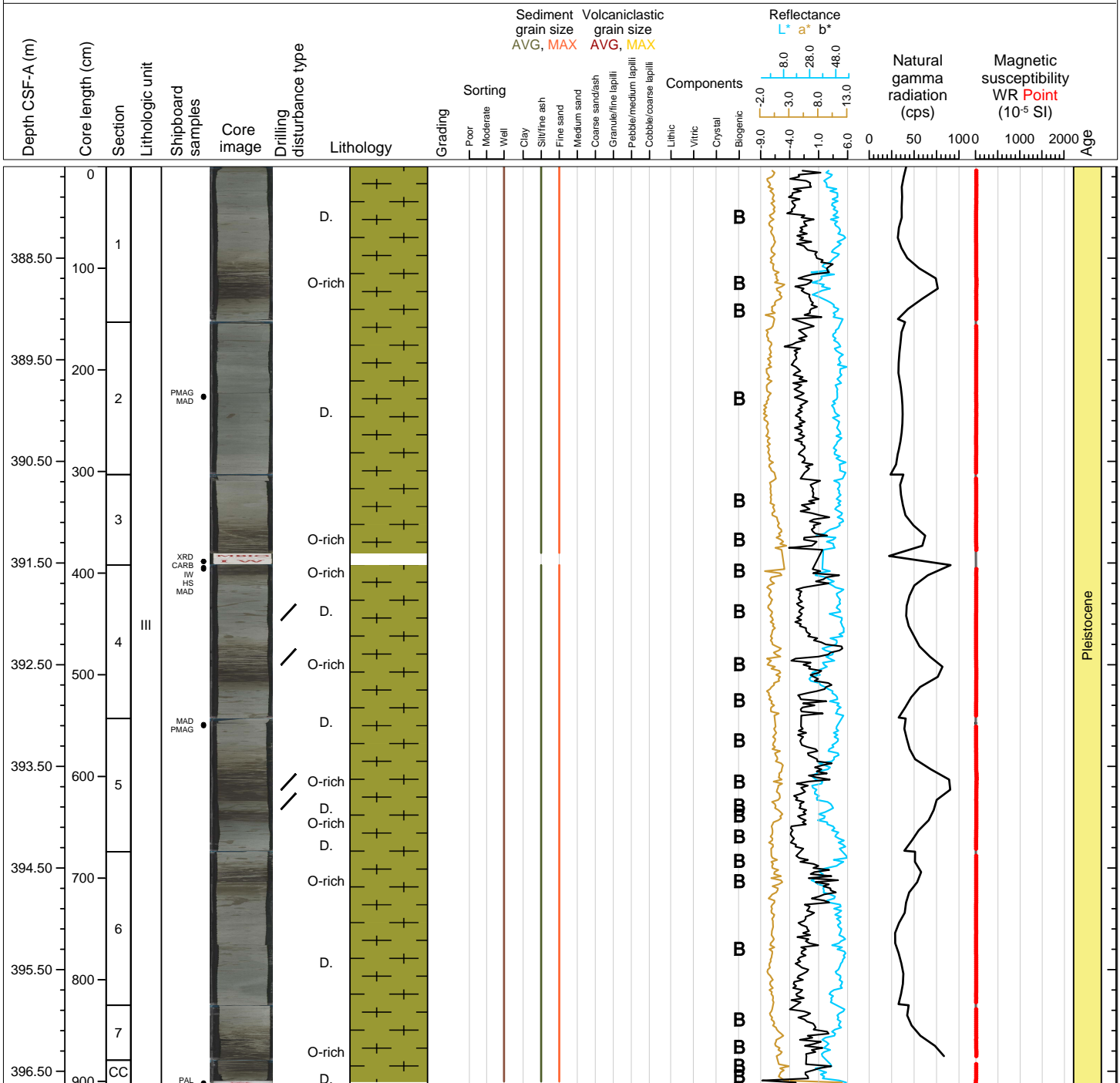
Hole 398-U1599C Core 18R, Interval 377.9-377.92 m (CSF-A)

ALL TO PAL



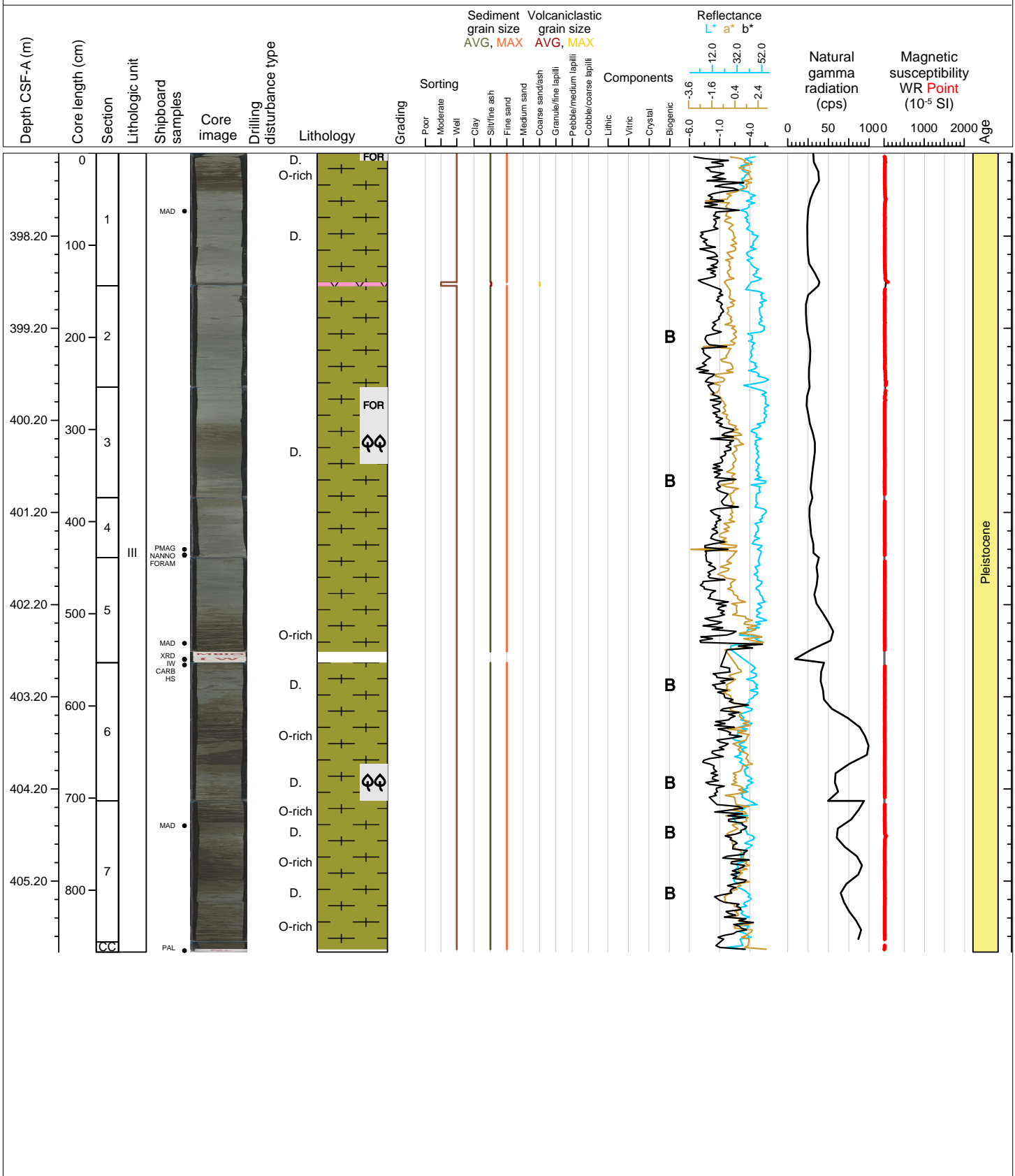
Hole 398-U1599C Core 19R, Interval 387.6-396.63 m (CSF-A)

Dolomitic marl and organic rich marl.



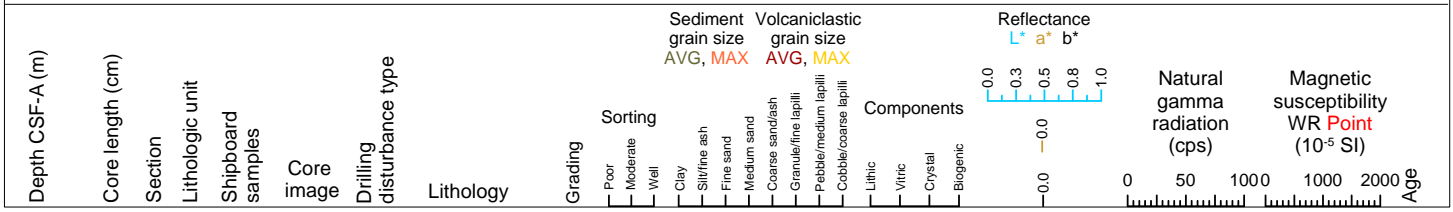
Hole 398-U1599C Core 20R, Interval 397.3-405.97 m (CSF-A)

Dolomitic marl, organic rich marl and tuff.



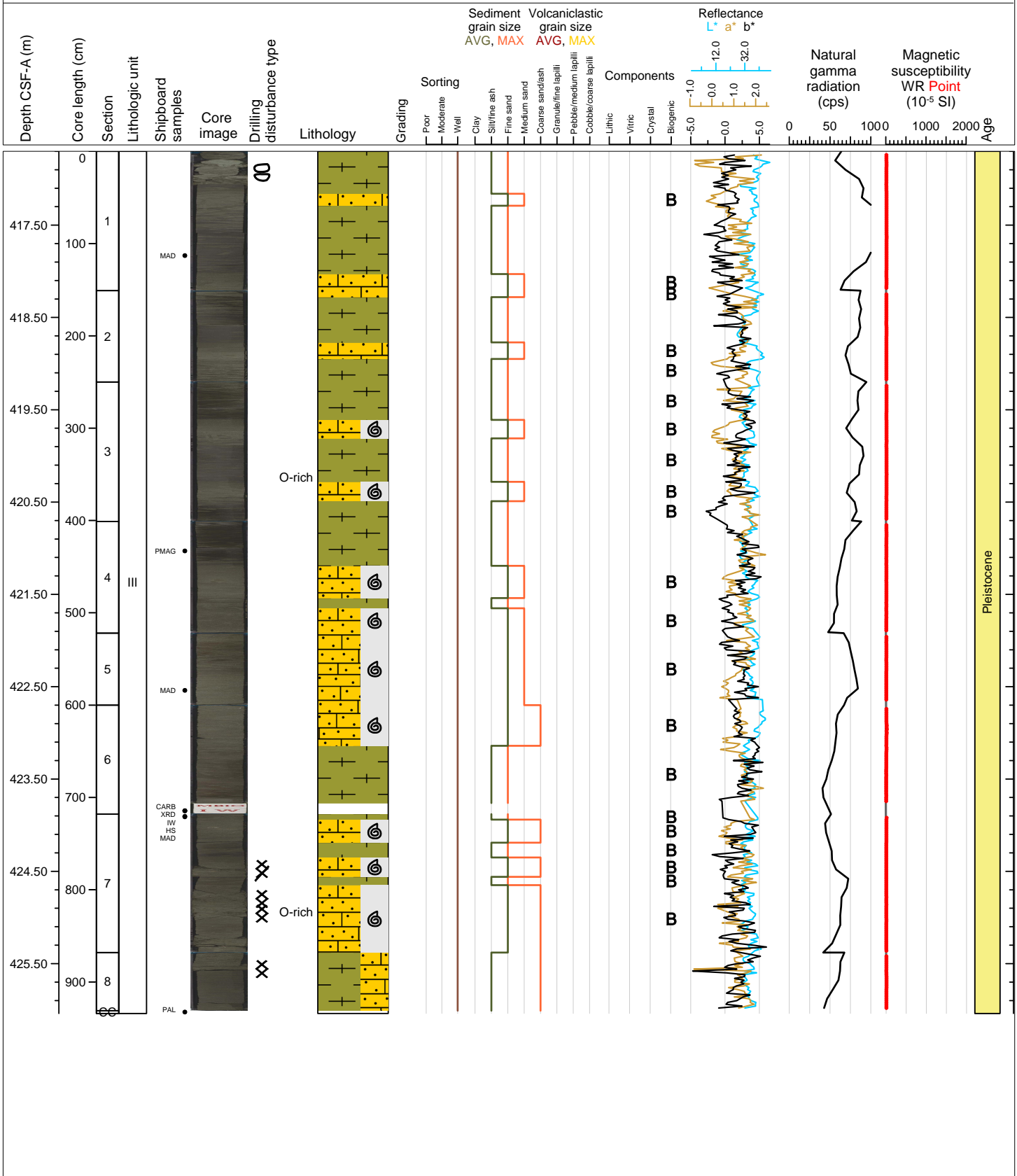
Hole 398-U1599C Core 21R, Interval 407.0-407.04 m (CSF-A)

ALL TO PAL



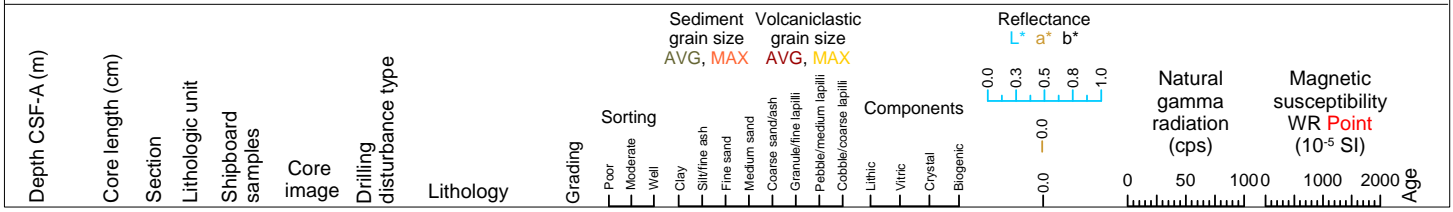
Hole 398-U1599C Core 22R, Interval 416.7-426.04 m (CSF-A)

Organic rich marl and organic rich sandstone.



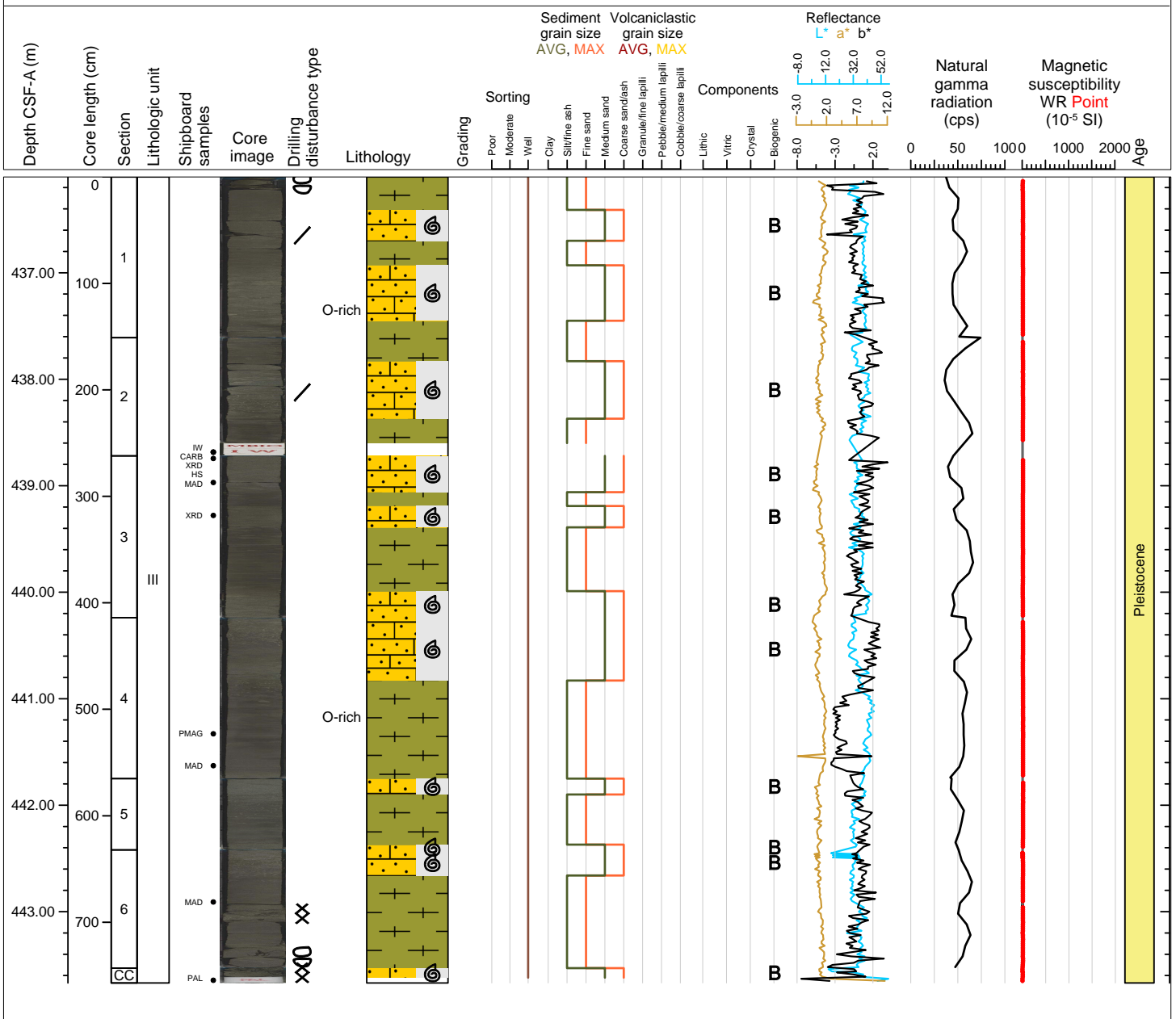
Hole 398-U1599C Core 23R, Interval 426.4-426.4 m (CSF-A)

NO RECOVERY 426.4-436.1 m



Hole 398-U1599C Core 24R, Interval 436.1-443.67 m (CSF-A)

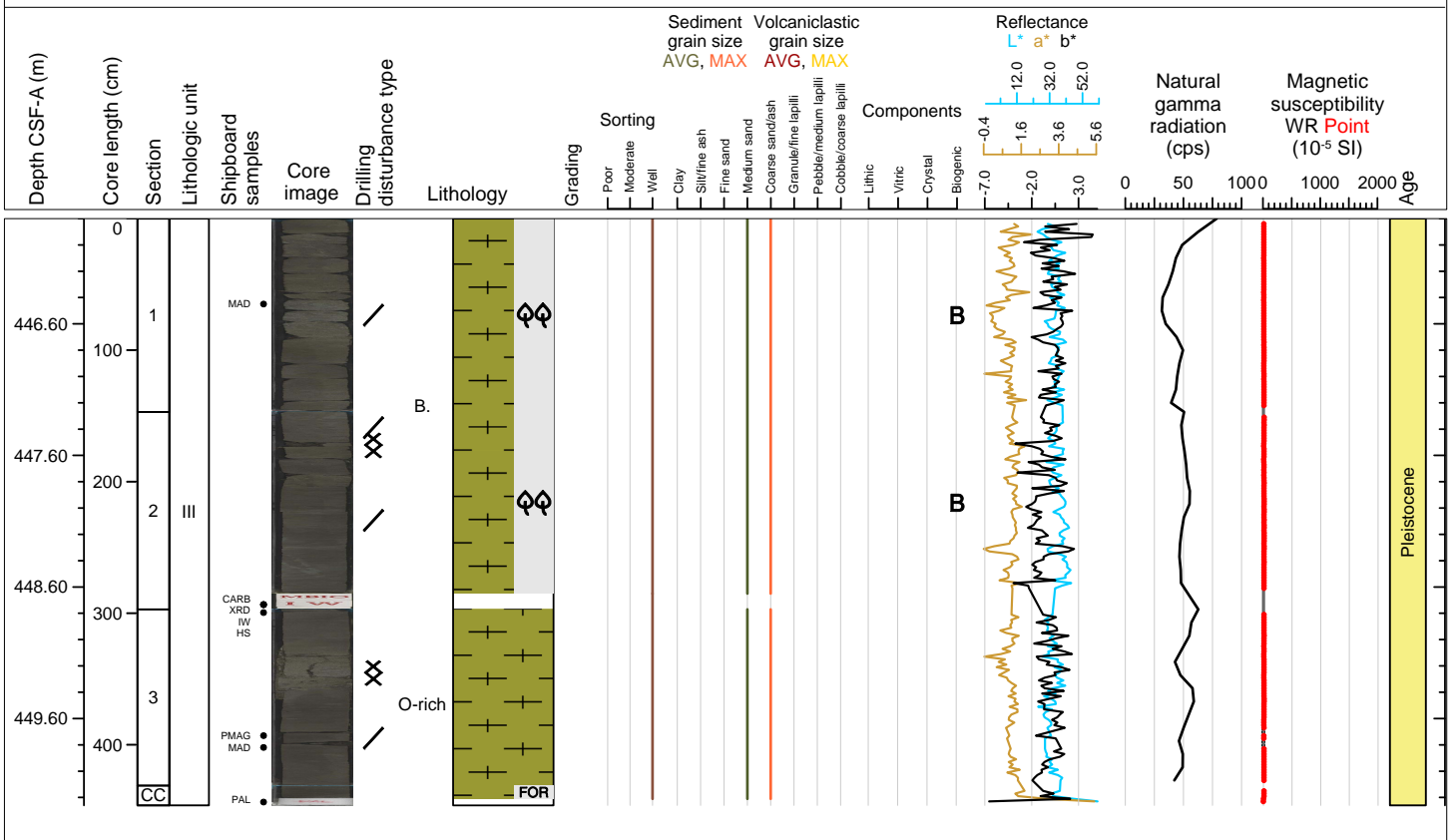
Organic rich marl and organic rich sandstone.





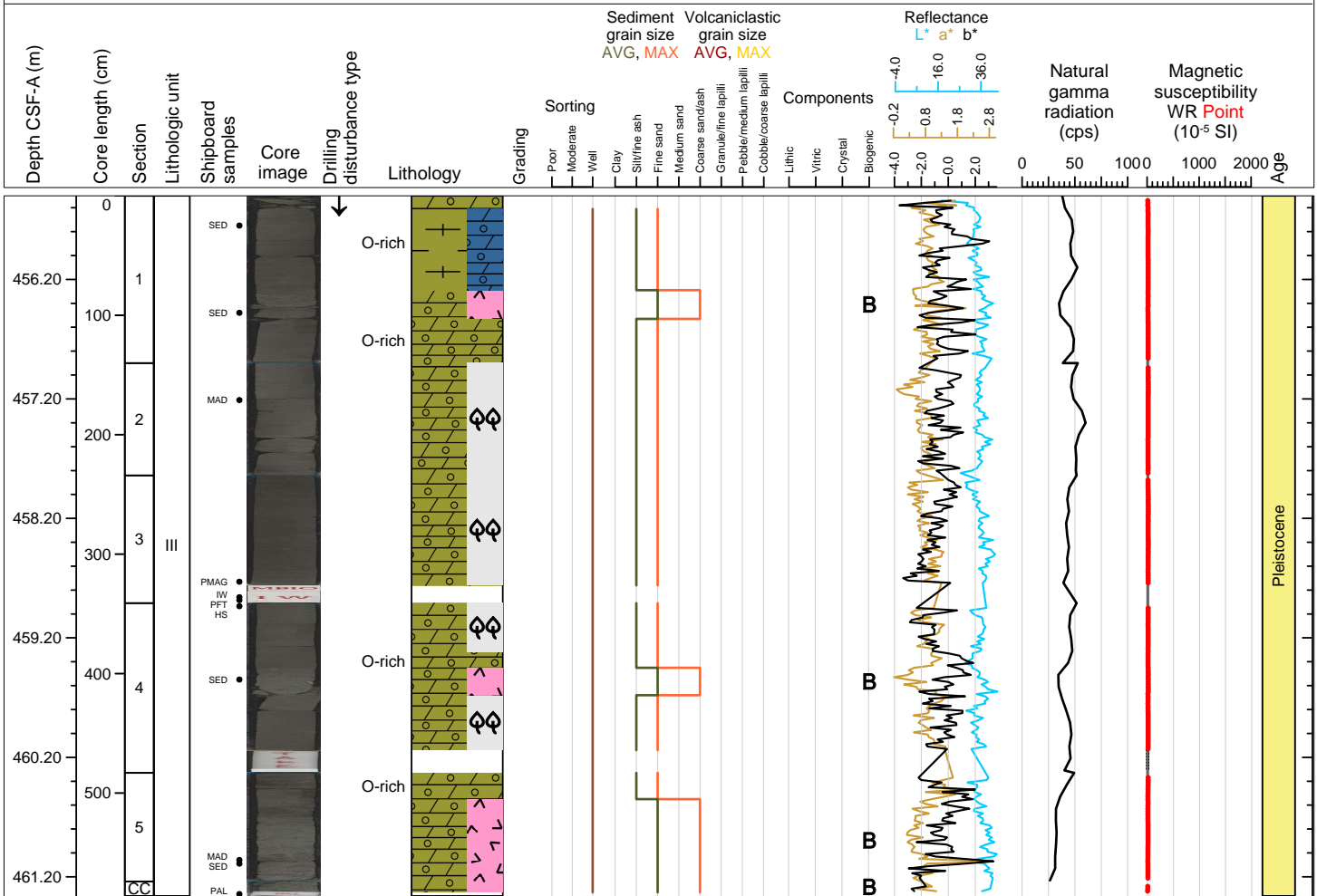
Hole 398-U1599C Core 25R, Interval 445.8-450.26 m (CSF-A)

Bioclastic marl and organic rich marl.



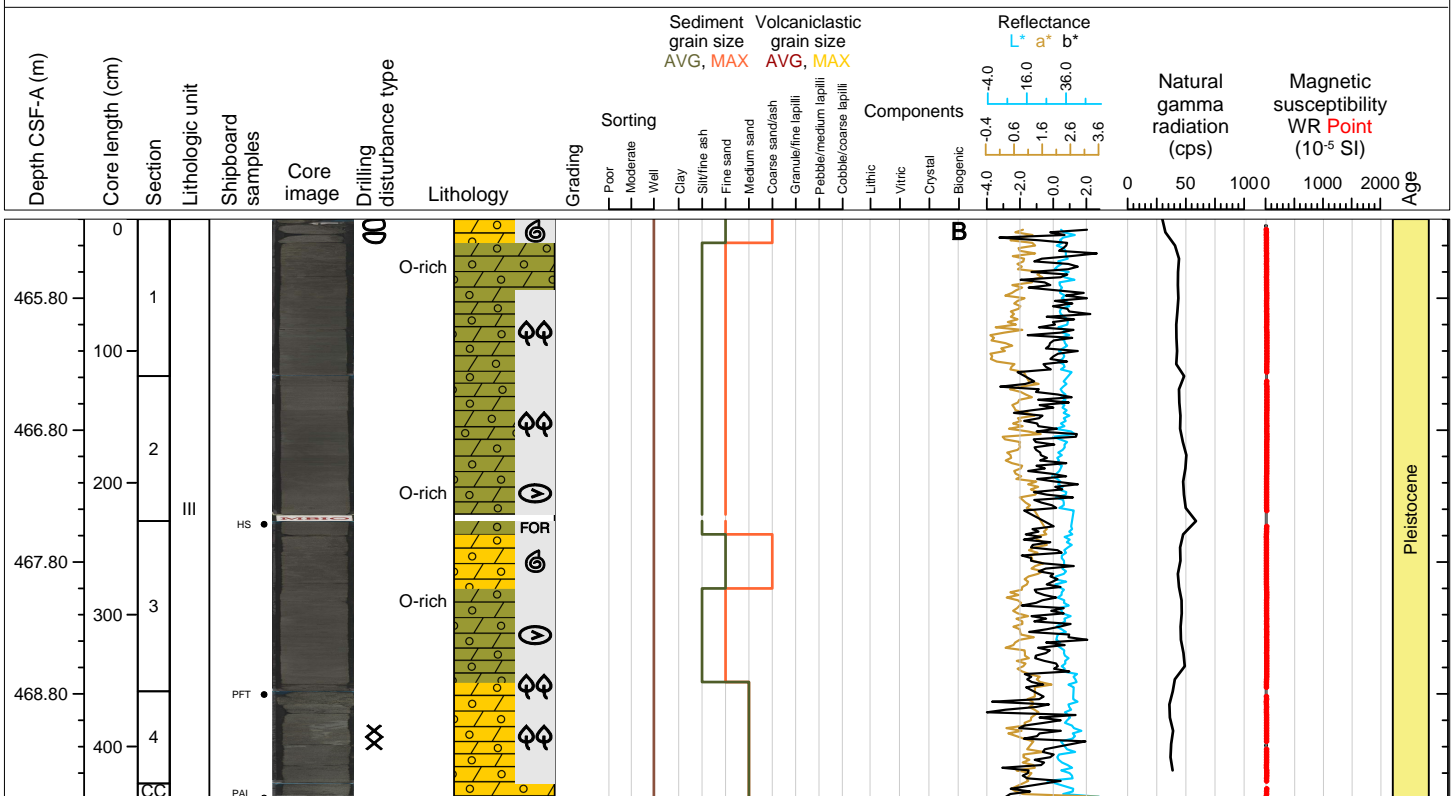
Hole 398-U1599C Core 26R, Interval 455.5-461.36 m (CSF-A)

Organic rich dolomitic marl, organic rich marl and dolomitic marl.



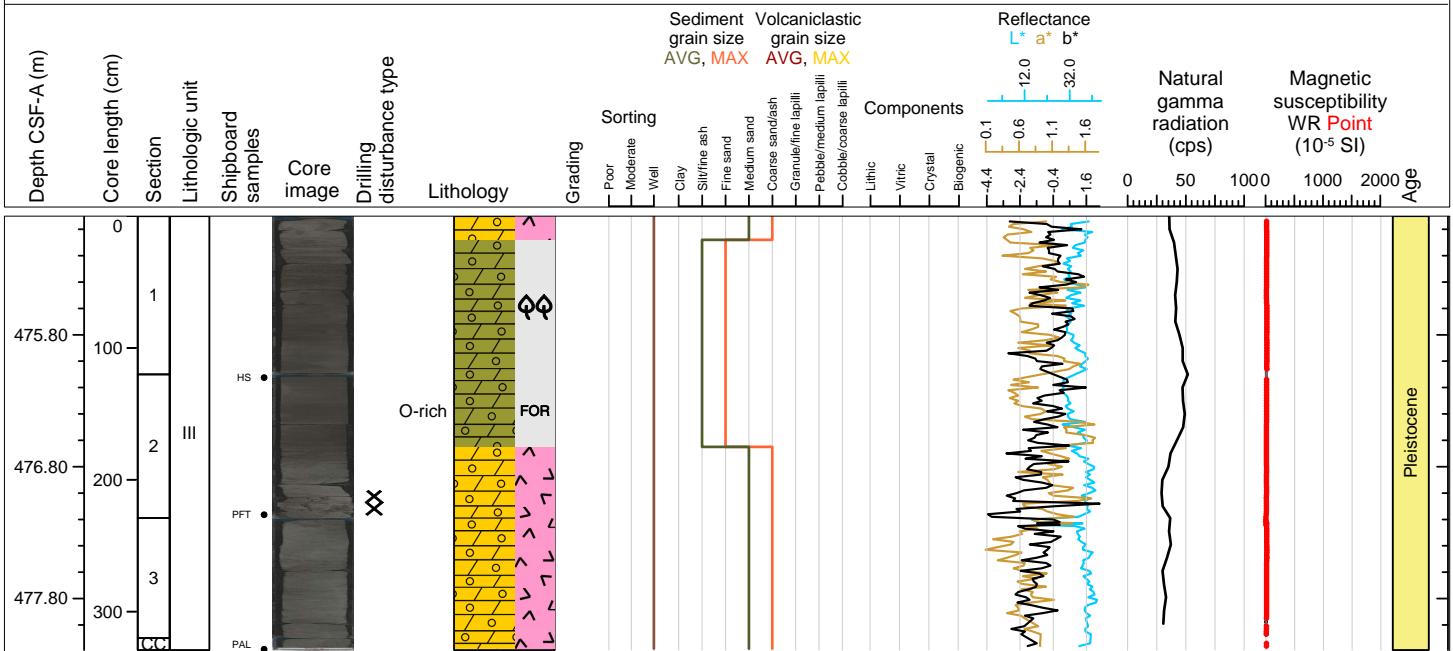
Hole 398-U1599C Core 27R, Interval 465.2-469.6 m (CSF-A)

Dolomitic sandstone, organic rich dolomitic marl and dolomitic marl.



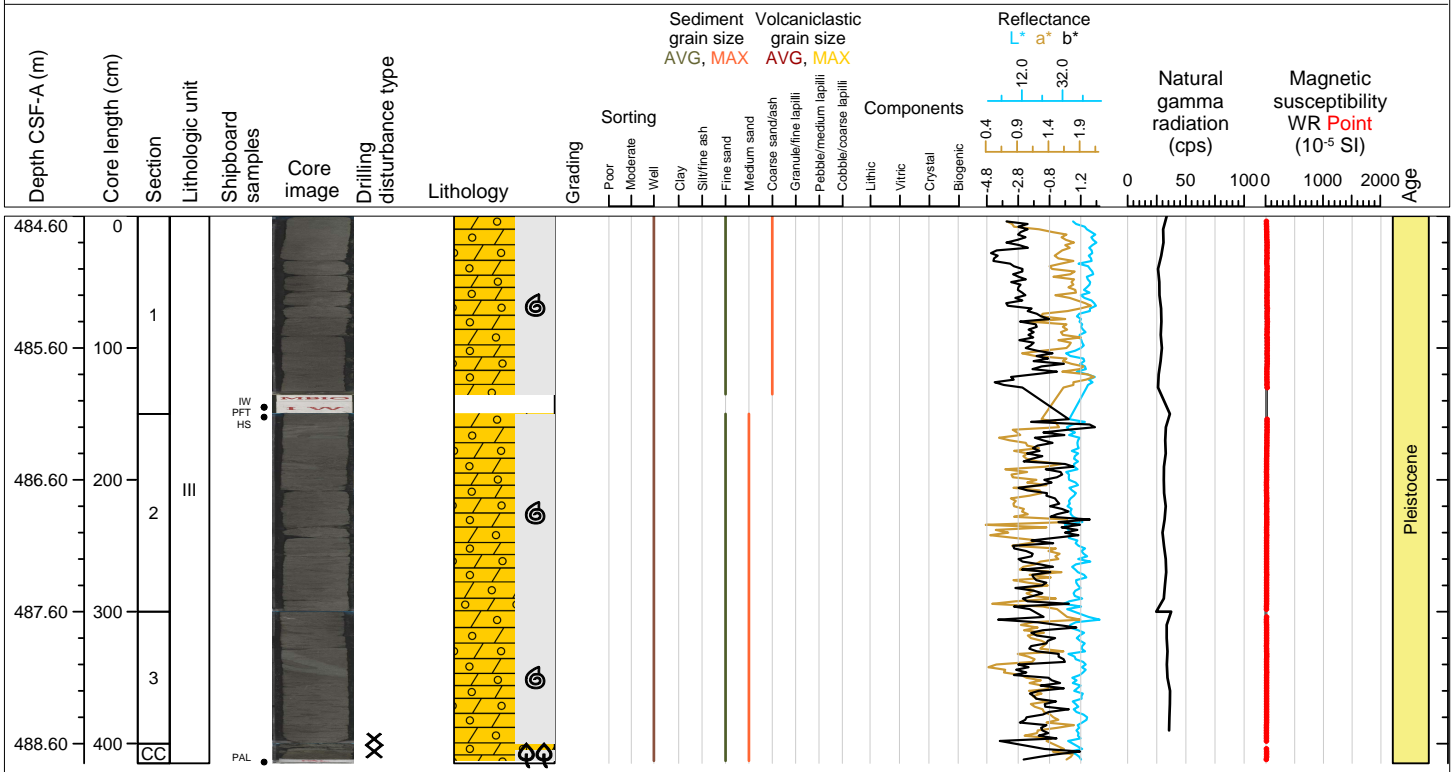
Hole 398-U1599C Core 28R, Interval 474.9-478.19 m (CSF-A)

Dolomitic sandstone, dolomitic marl and organic rich dolomitic marl.



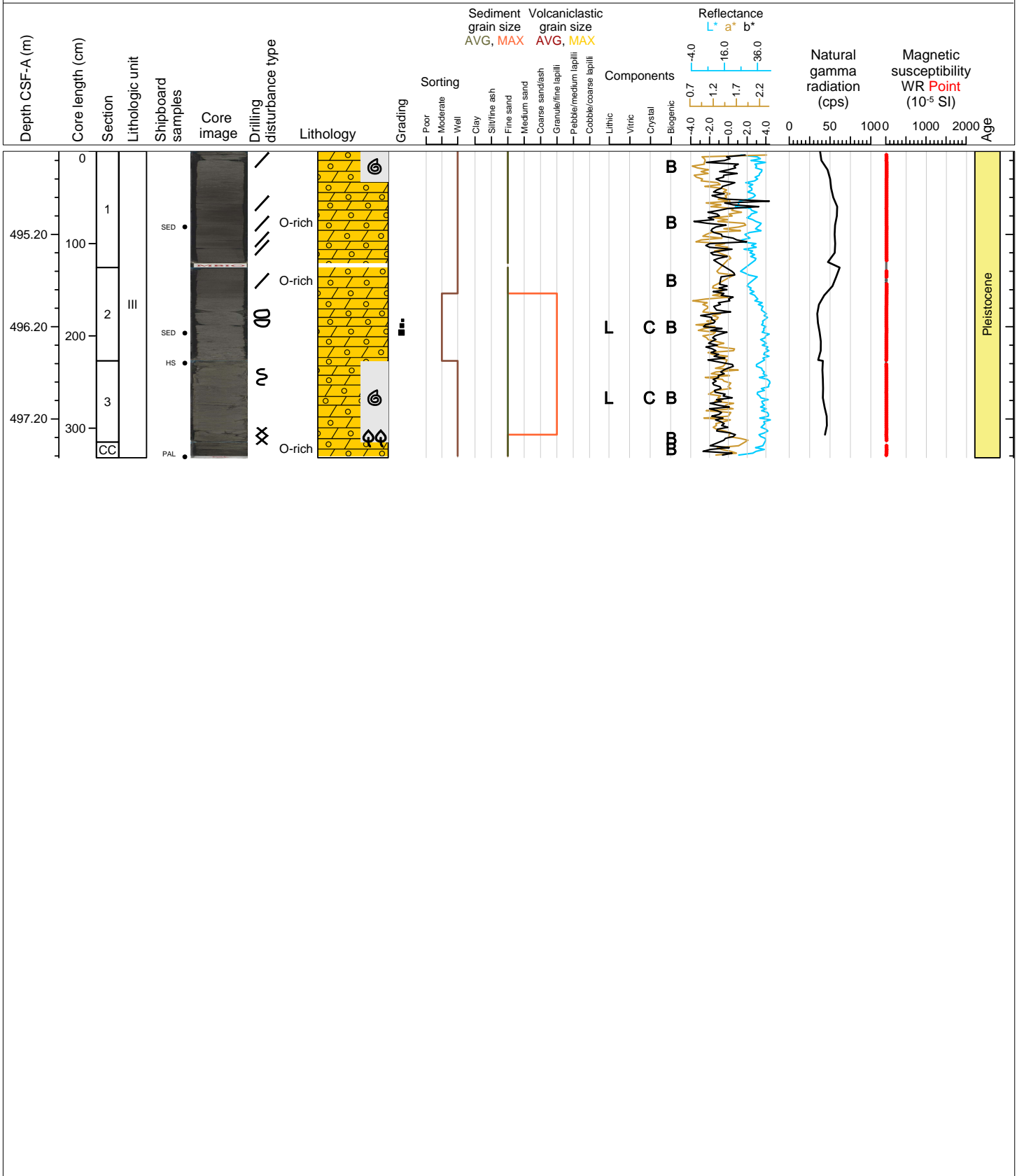
Hole 398-U1599C Core 29R, Interval 484.6-488.75 m (CSF-A)

Dolomitic sandstone.



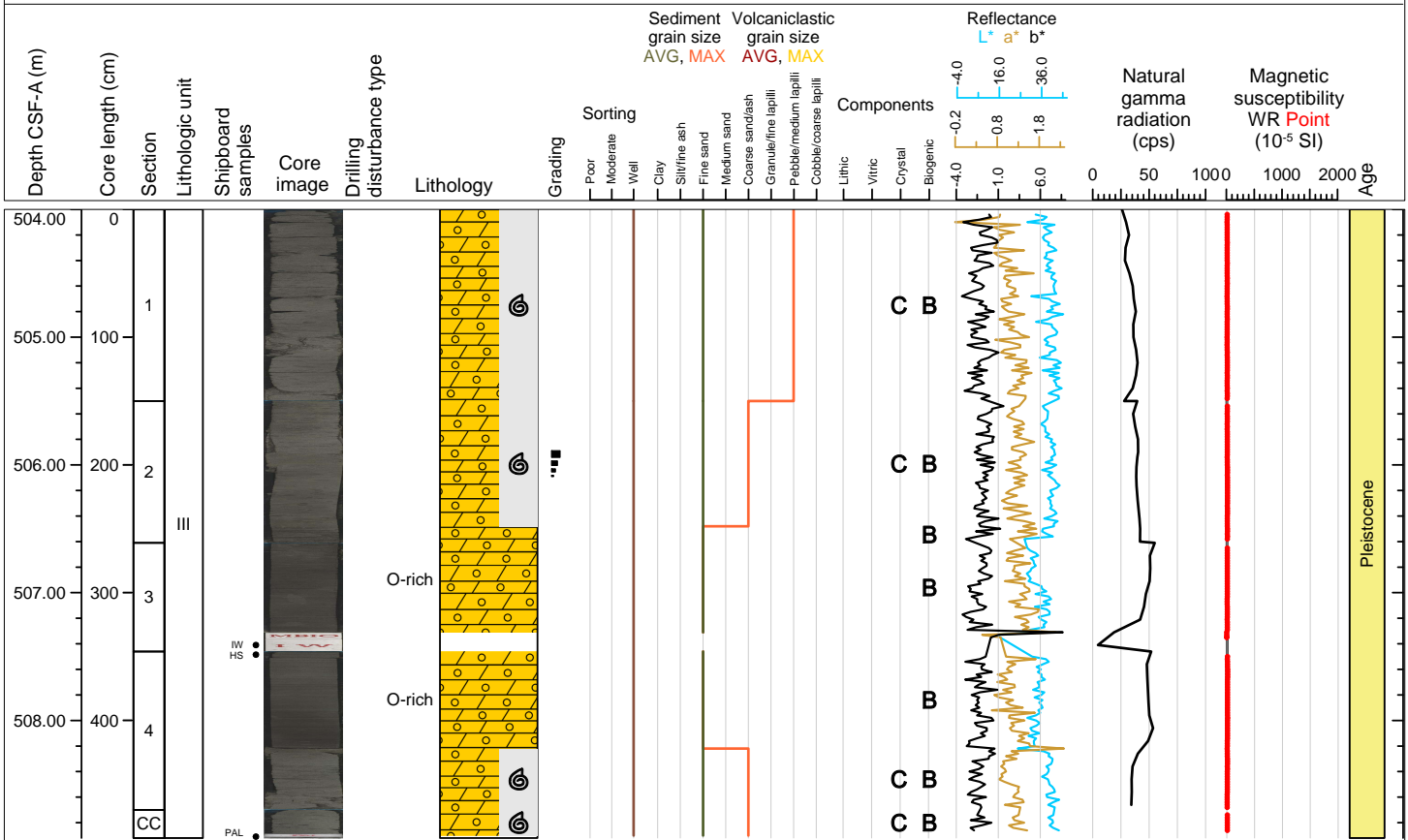
Hole 398-U1599C Core 30R, Interval 494.3-497.62 m (CSF-A)

Dolomitic sandstone and organic rich dolomitic sandstone.



Hole 398-U1599C Core 31R, Interval 504.0-508.92 m (CSF-A)

Dolomitic sandstone and organic rich dolomitic sandstone.

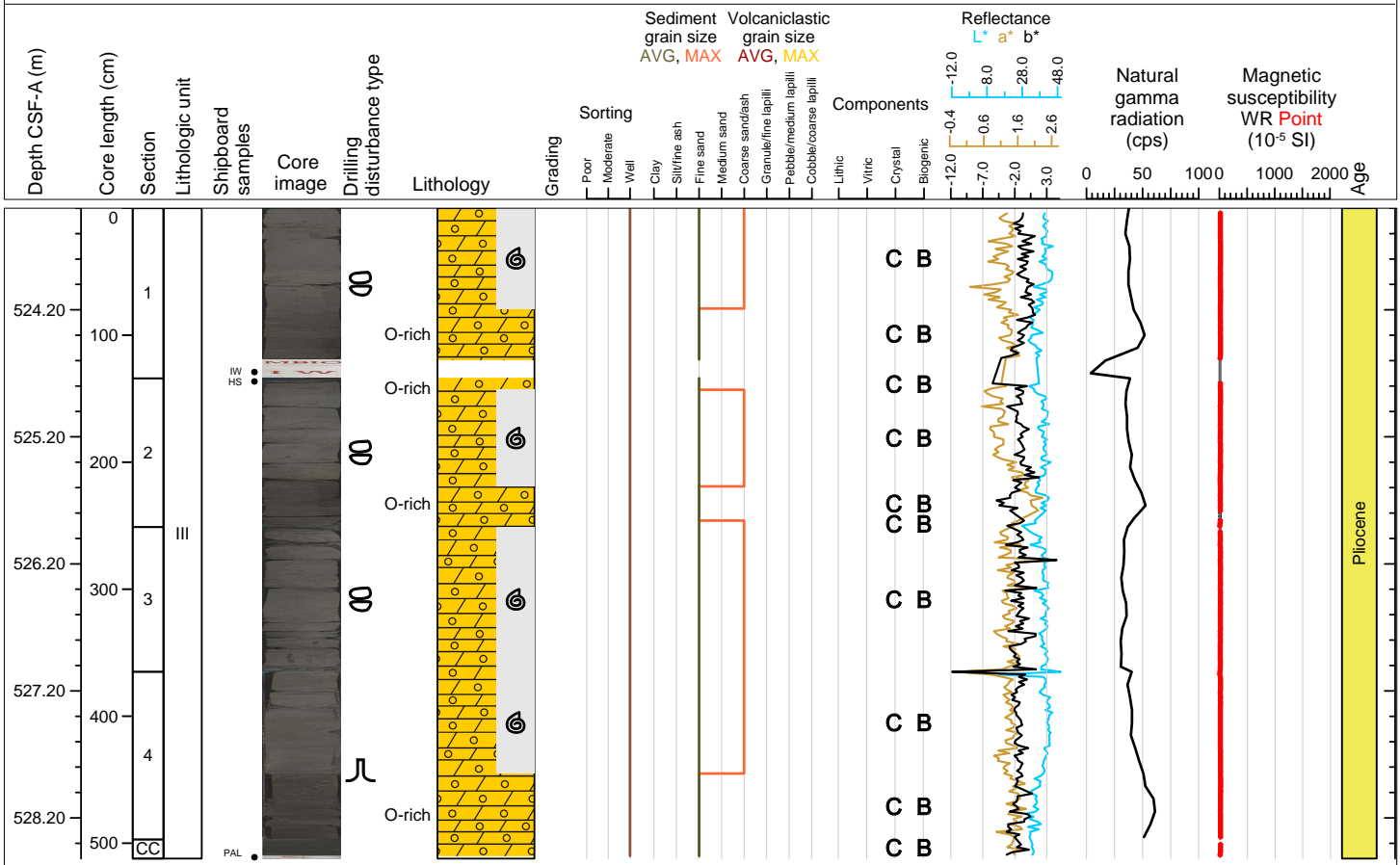






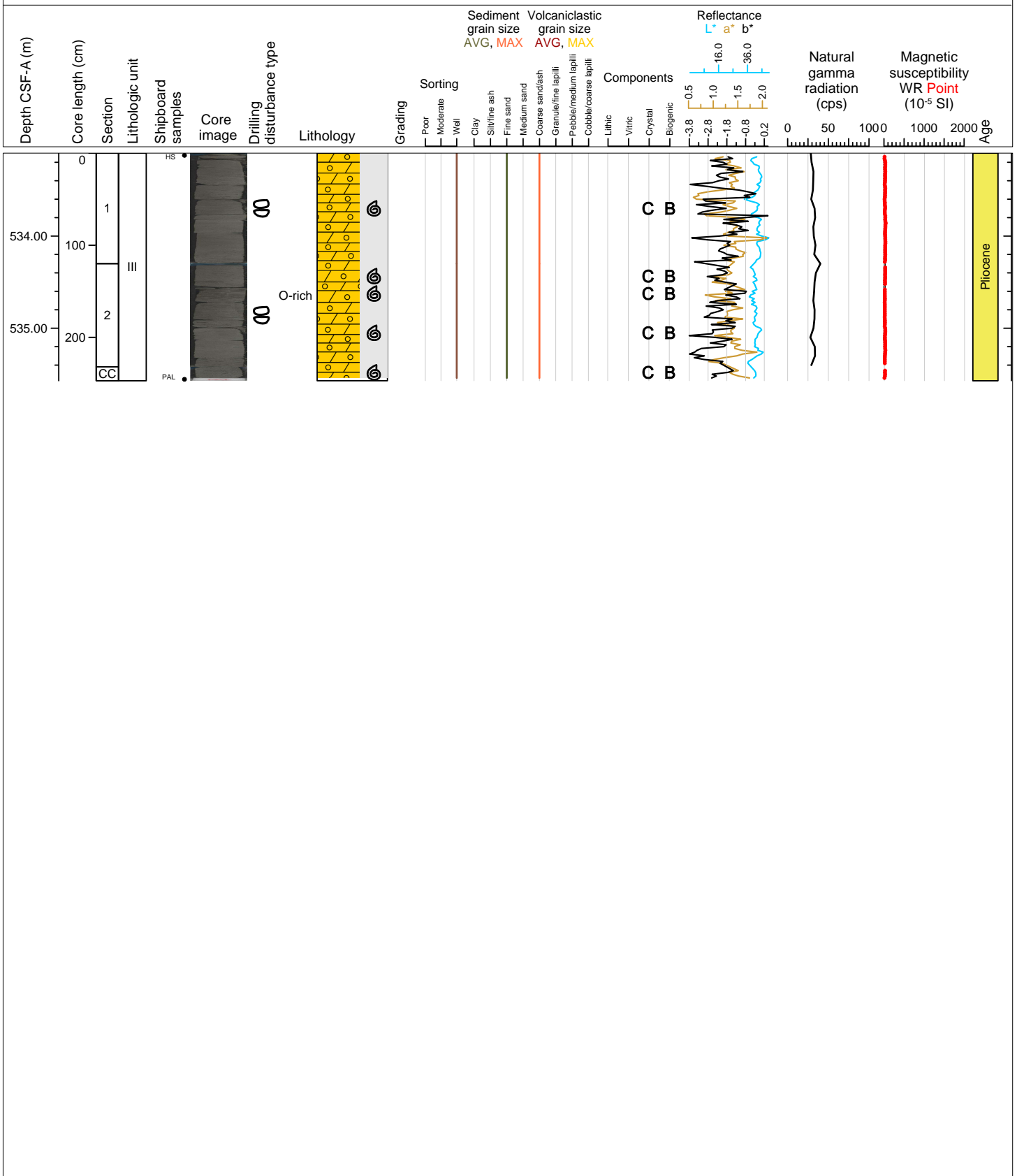
Hole 398-U1599C Core 33R, Interval 523.4-528.52 m (CSF-A)

Dolomitic sandstone and organic rich dolomitic sandstone.



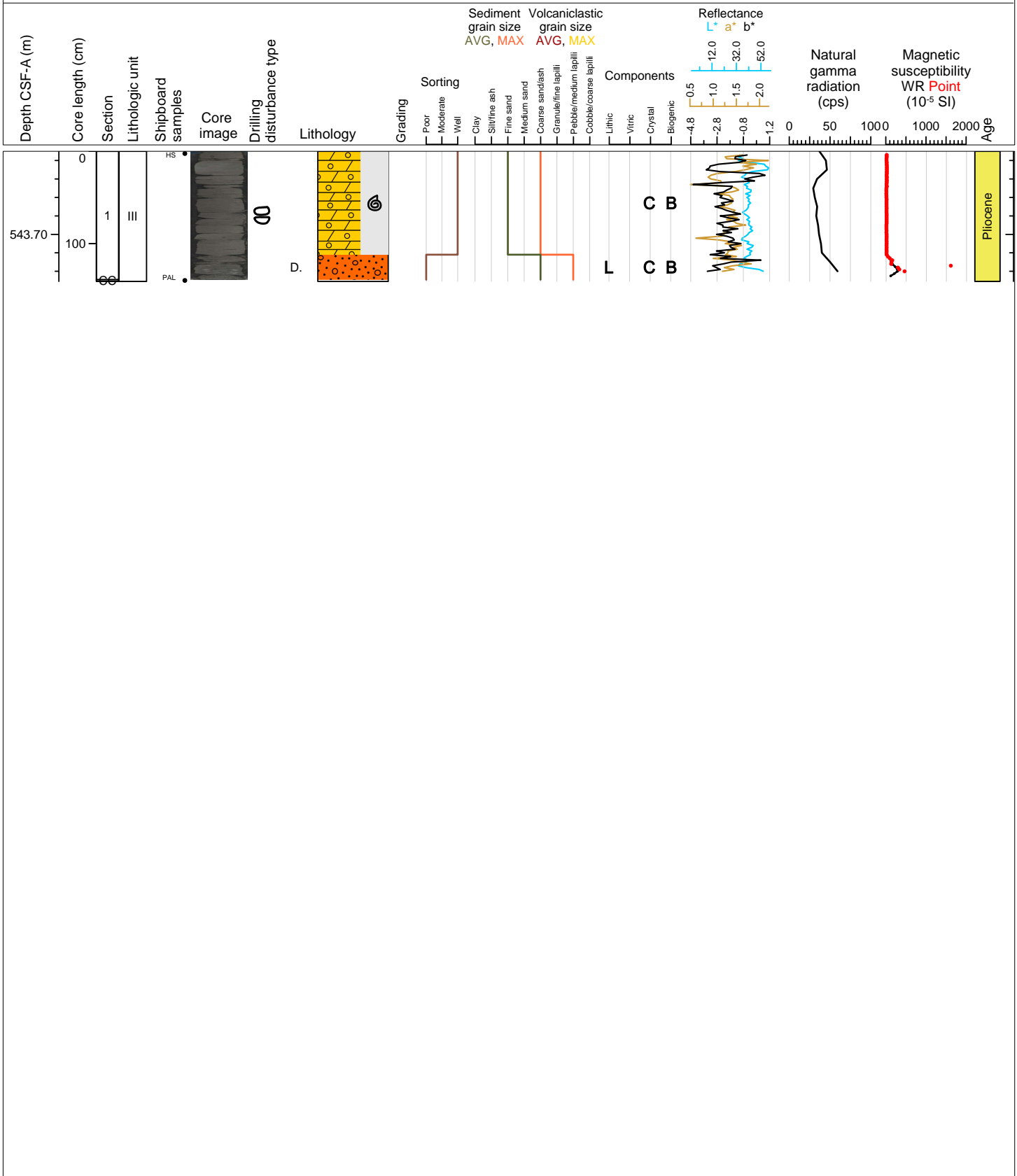
Hole 398-U1599C Core 34R, Interval 533.1-535.57 m (CSF-A)

Dolomitic sandstone and organic rich dolomitic sandstone.



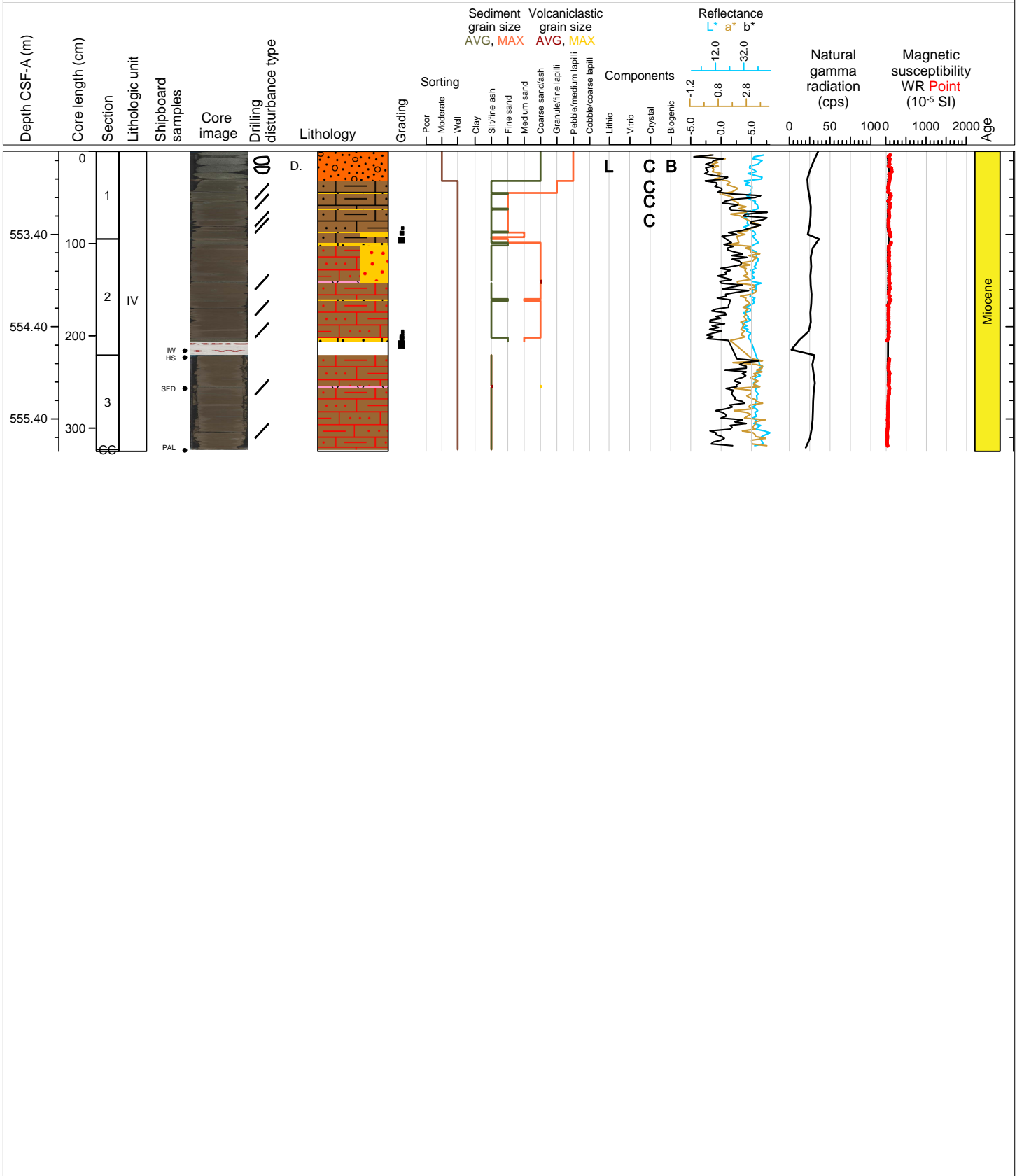
Hole 398-U1599C Core 35R, Interval 542.8-544.21 m (CSF-A)

Dolomitic sandy conglomerate.



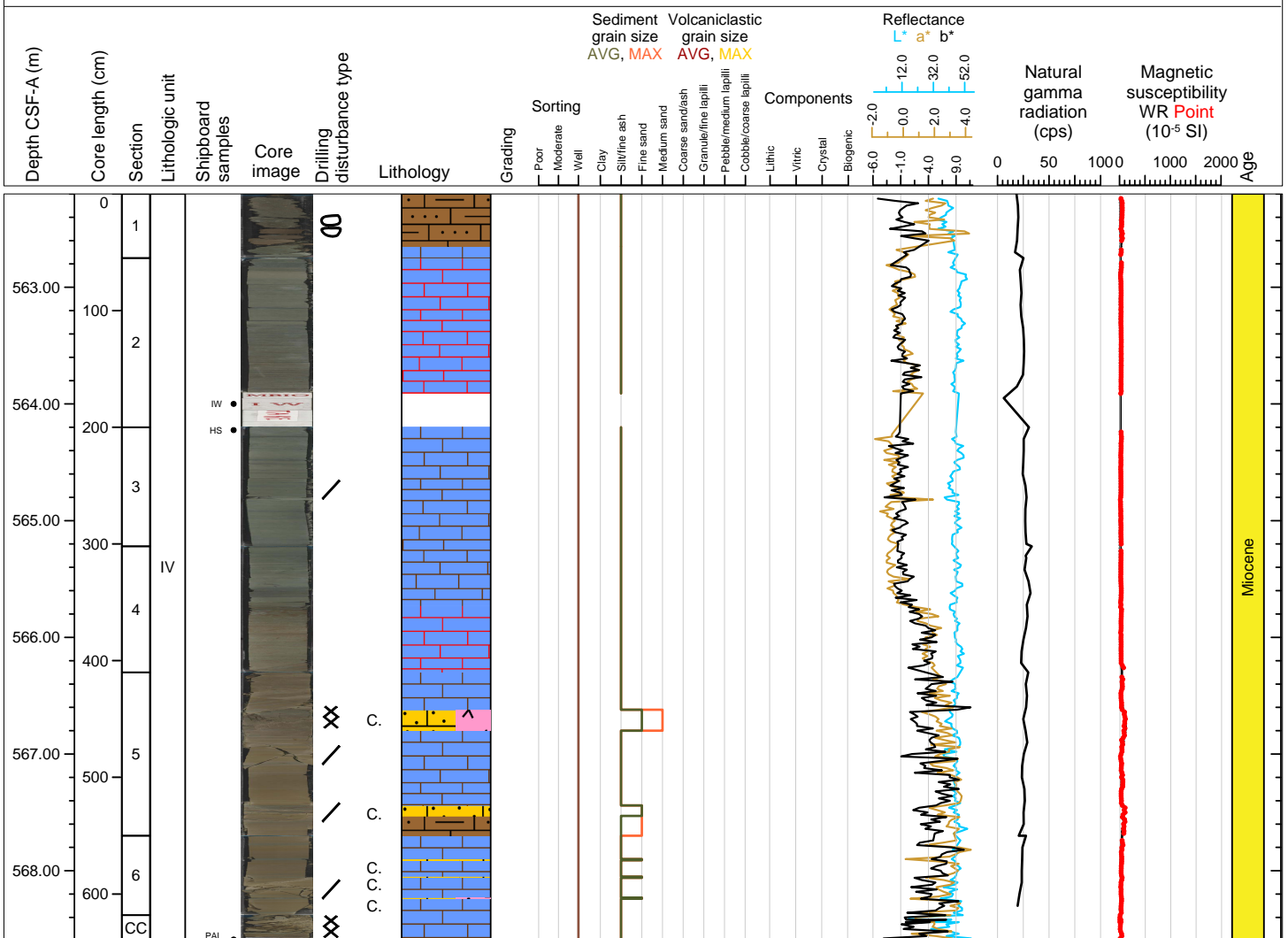
Hole 398-U1599C Core 36R, Interval 552.5-555.75 m (CSF-A)

Dolomitic sandy conglomerate, calcareous mudstone, sandstone and tuff.



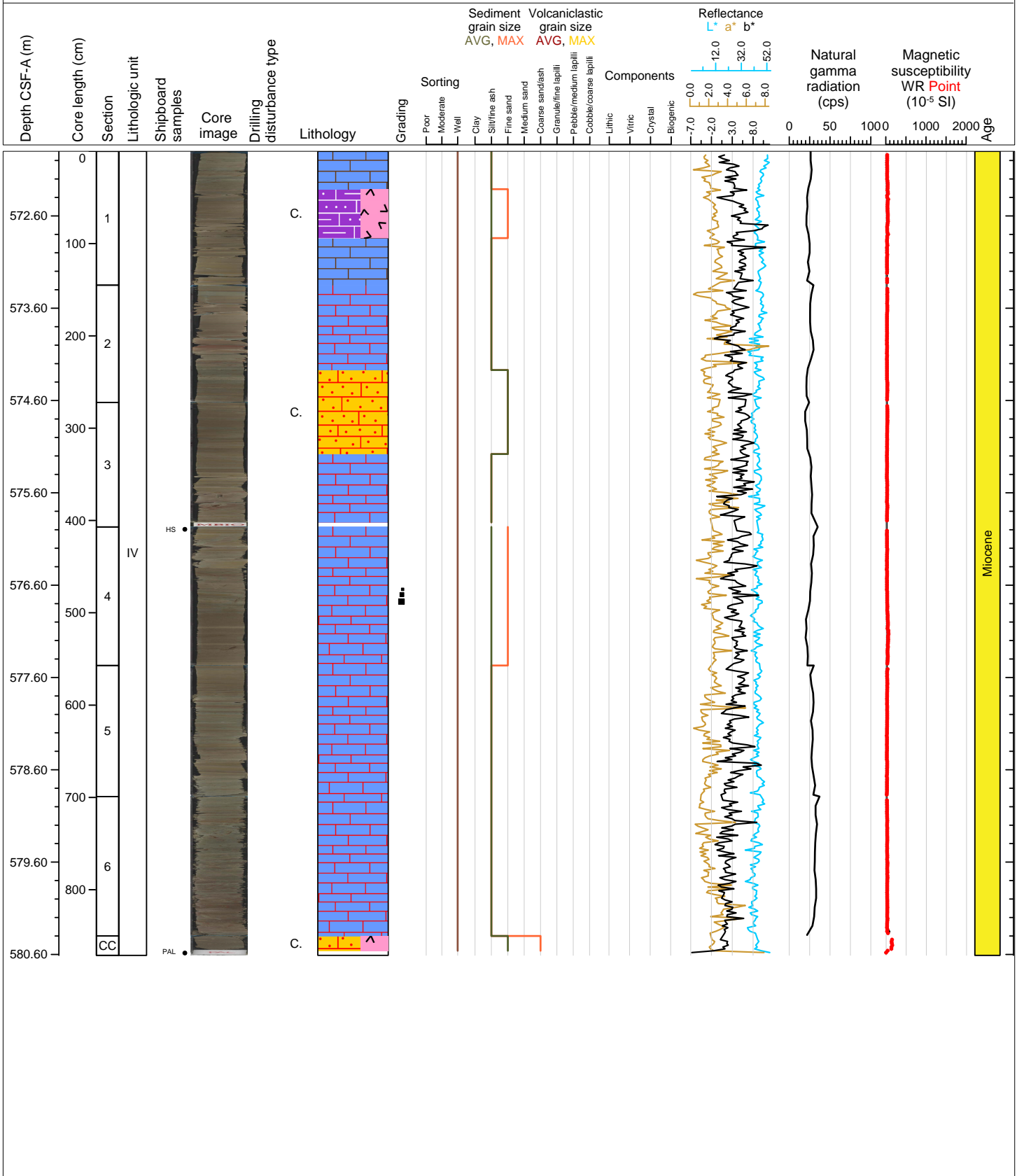
Hole 398-U1599C Core 37R, Interval 562.2-568.6 m (CSF-A)

Calcareous mudstone, micrite and calcareous sandstone.



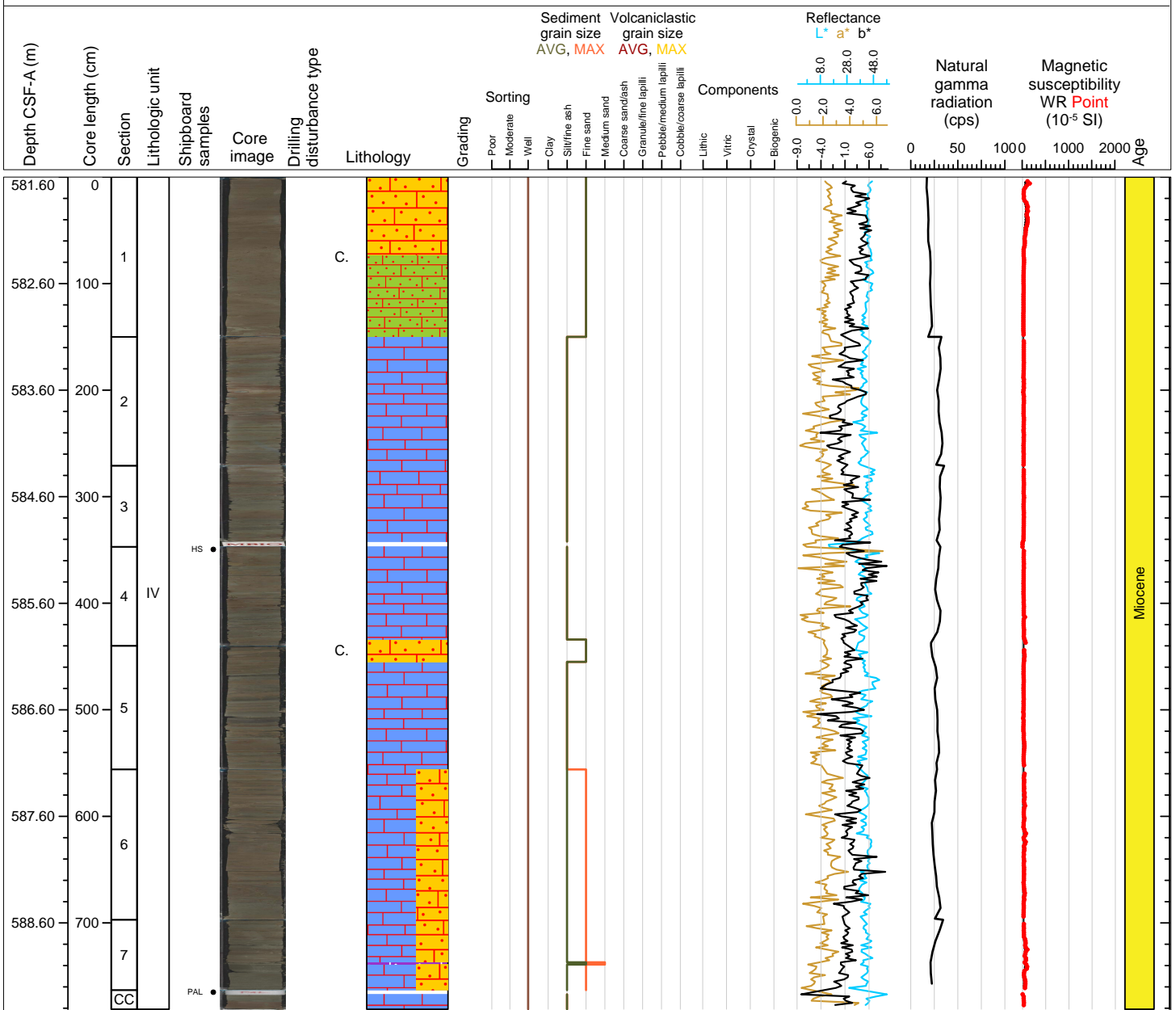
Hole 398-U1599C Core 38R, Interval 571.9-580.61 m (CSF-A)

Micrite, calcareous tuffaceous mudstone and calcareous sandstone.



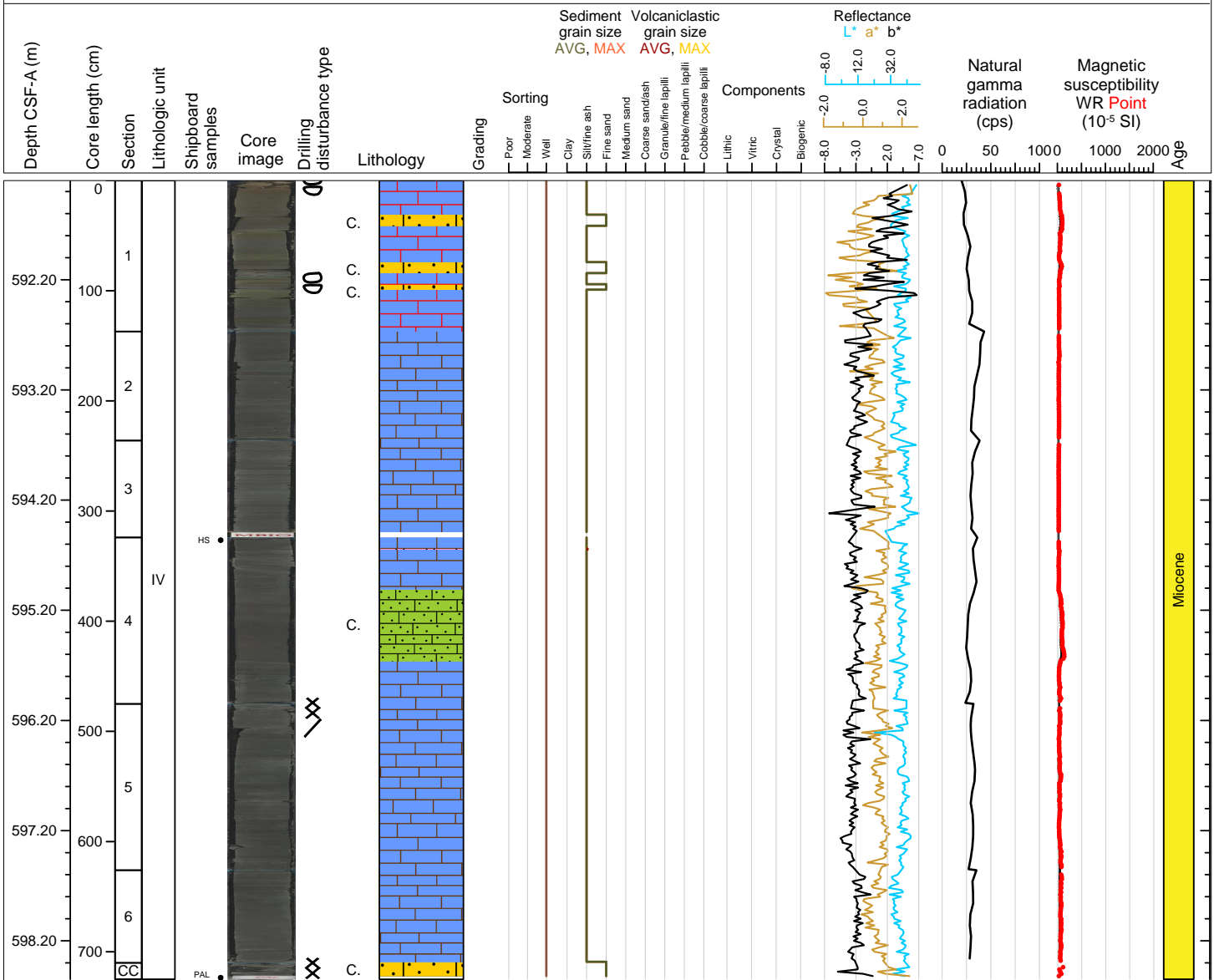
Hole 398-U1599C Core 39R, Interval 581.6-589.41 m (CSF-A)

Calcareous sandstone, calcareous siltstone, micrite and tuffaceous sandstone.



Hole 398-U1599C Core 40R, Interval 591.3-598.55 m (CSF-A)

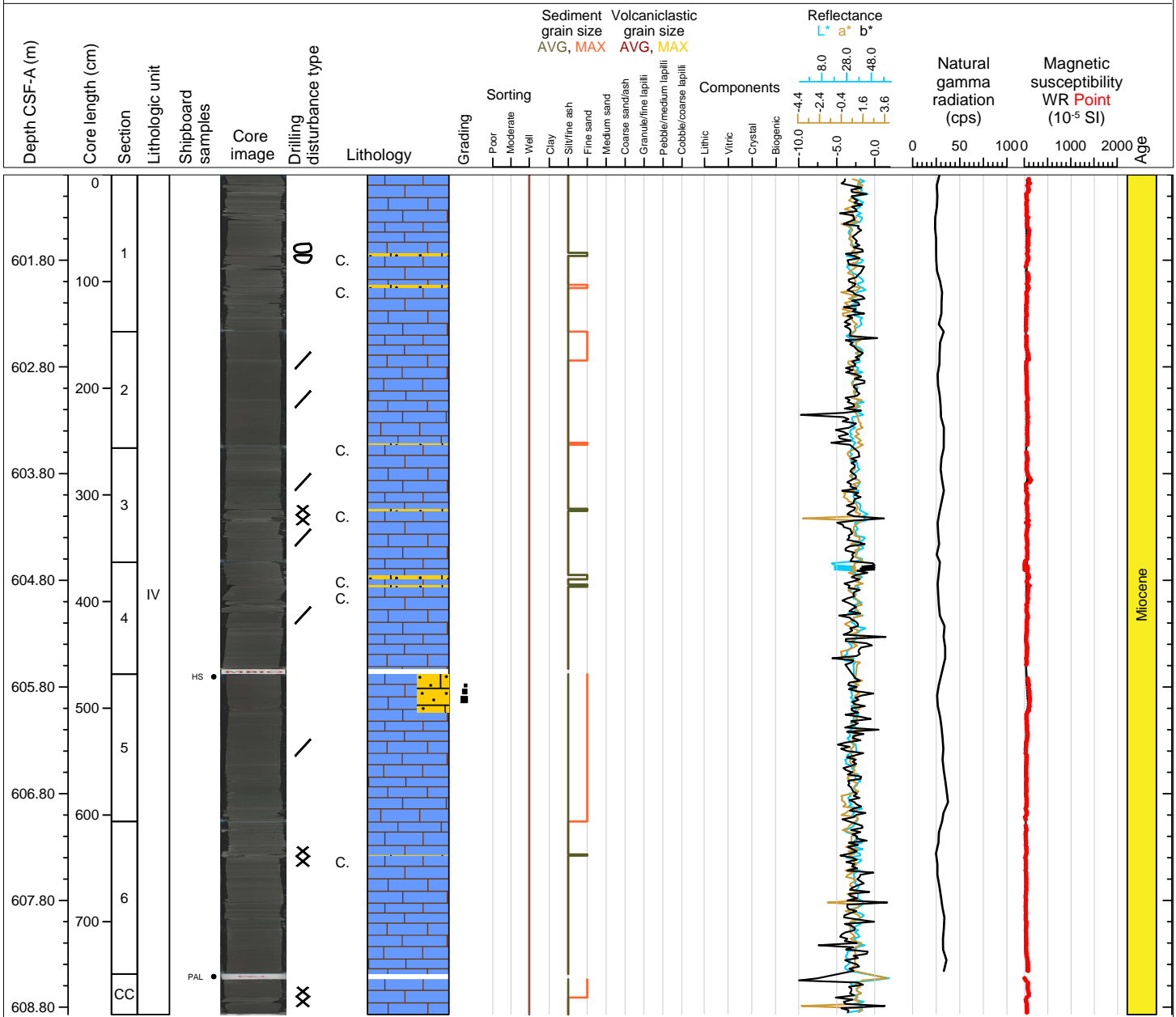
Micrite, calcareous sandstone, tuff and calcareous siltstone.





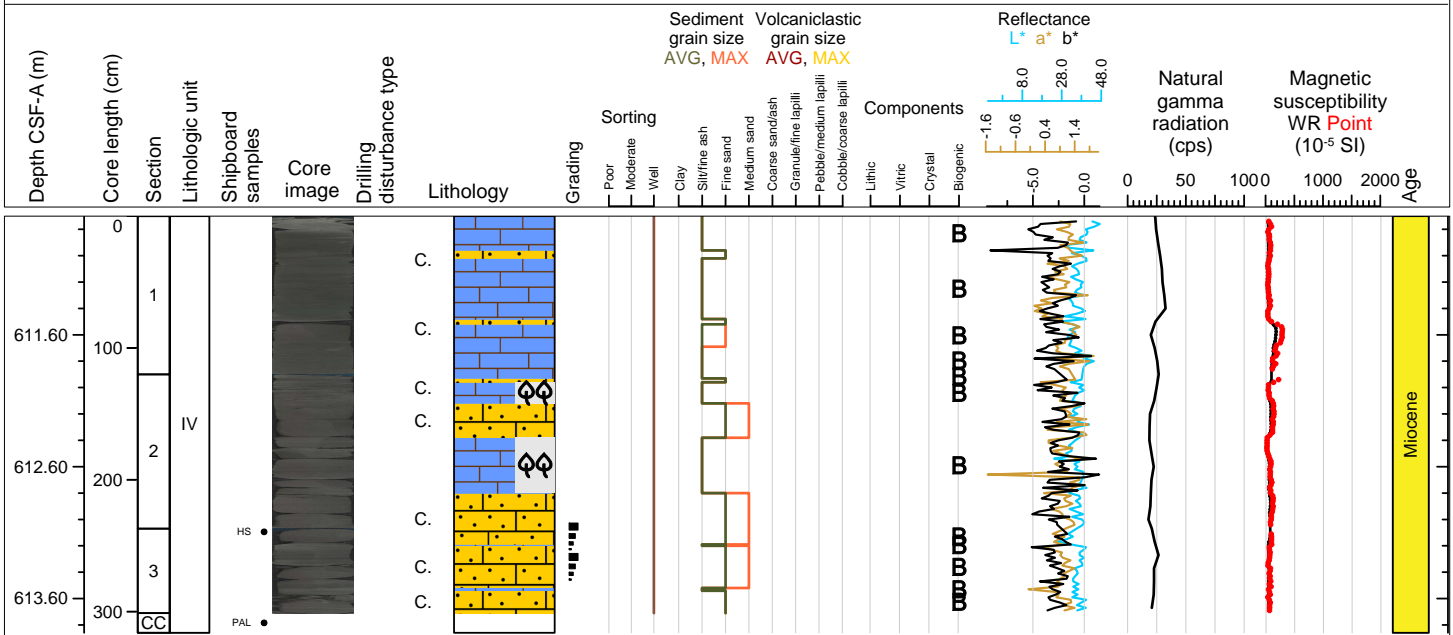
Hole 398-U1599C Core 41R, Interval 601.0-608.87 m (CSF-A)

Micrite and calcareous sandstone.



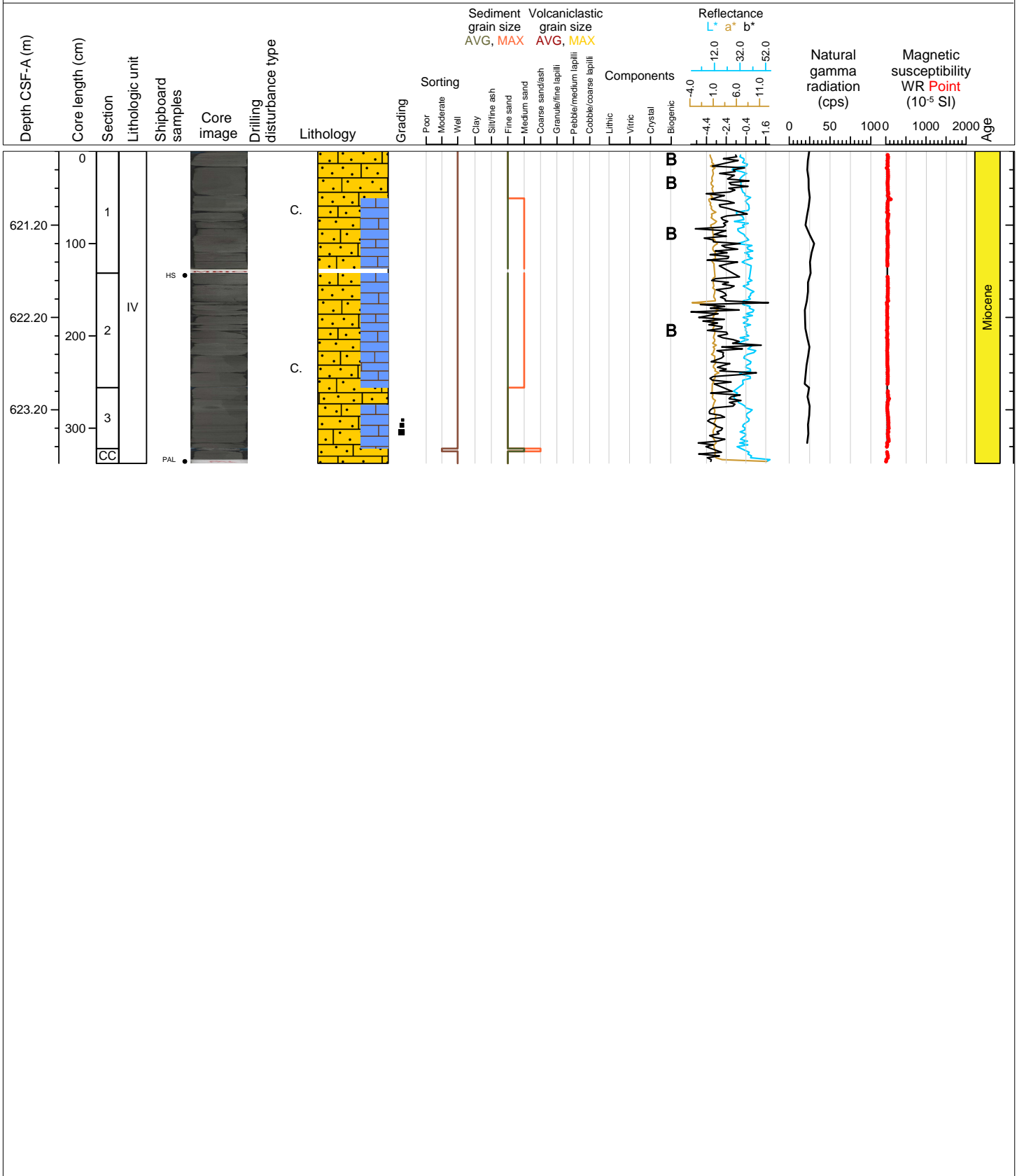
Hole 398-U1599C Core 42R, Interval 610.7-613.86 m (CSF-A)

Micrite and calcareous sandstone.



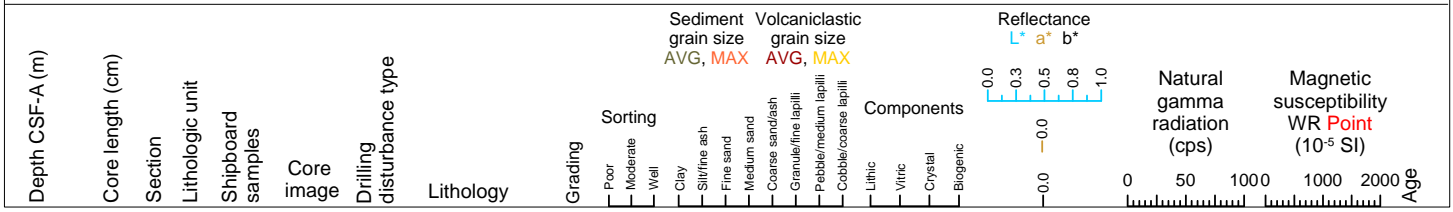
Hole 398-U1599C Core 43R, Interval 620.4-623.78 m (CSF-A)

Calcareous sandstone.



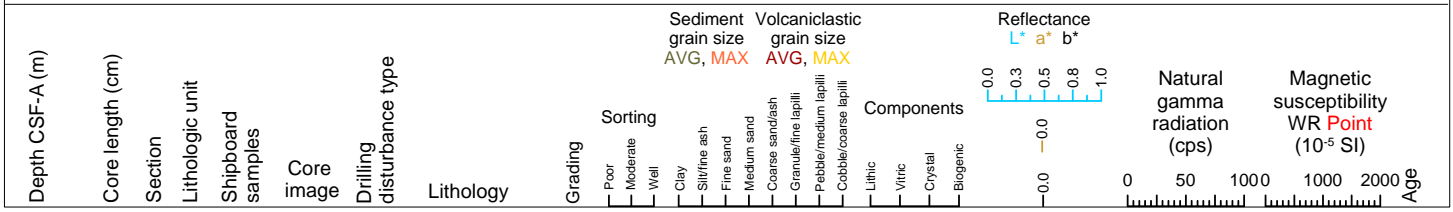
Hole 398-U1599C Core 44R, Interval 630.1-630.14 m (CSF-A)

Calcareous sandstone.



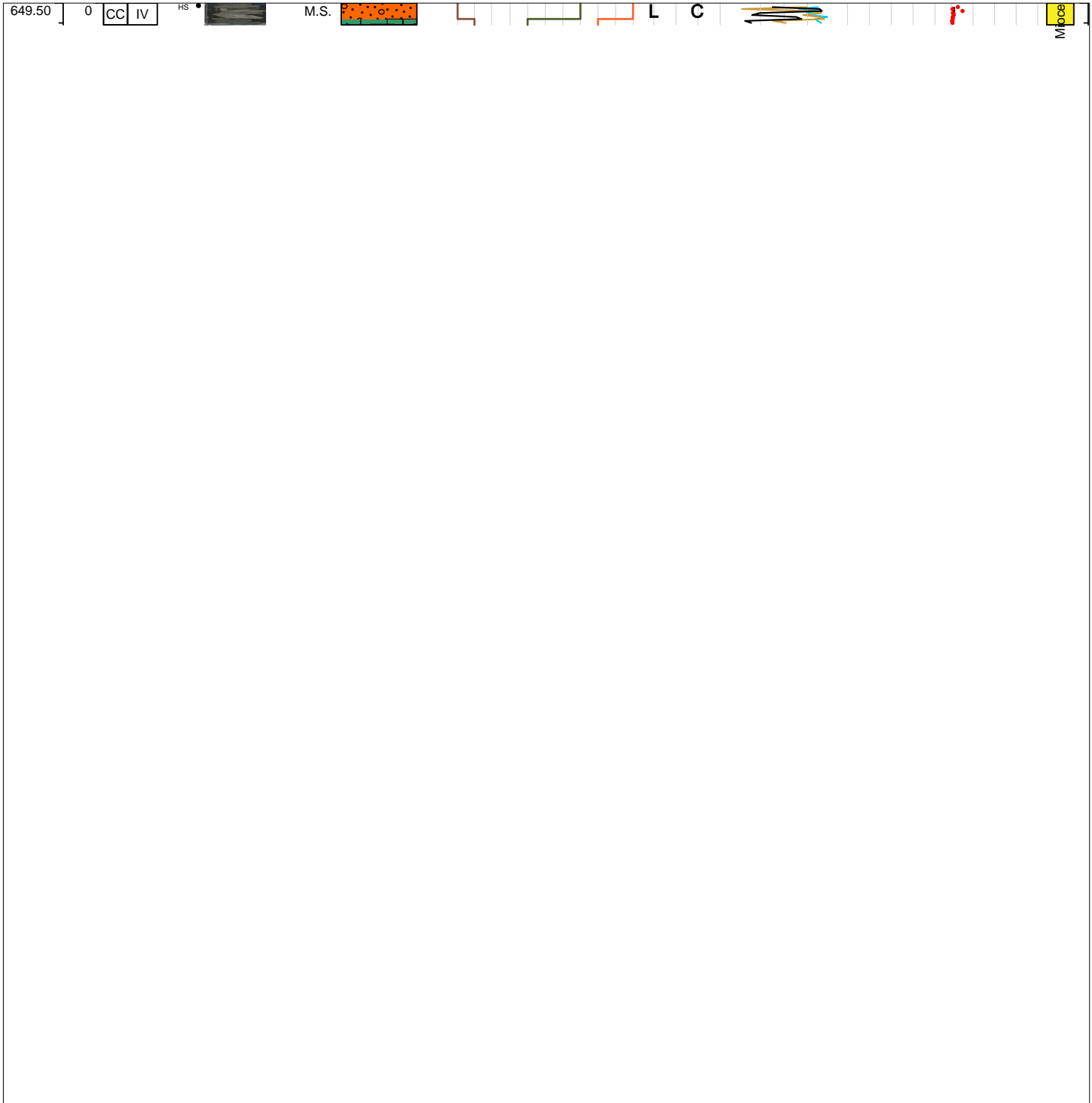
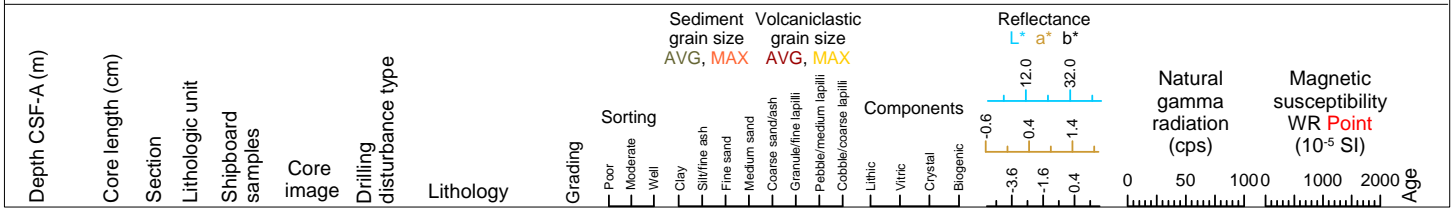
Hole 398-U1599C Core 45R, Interval 639.8-639.82 m (CSF-A)

Calcareous sandstone.



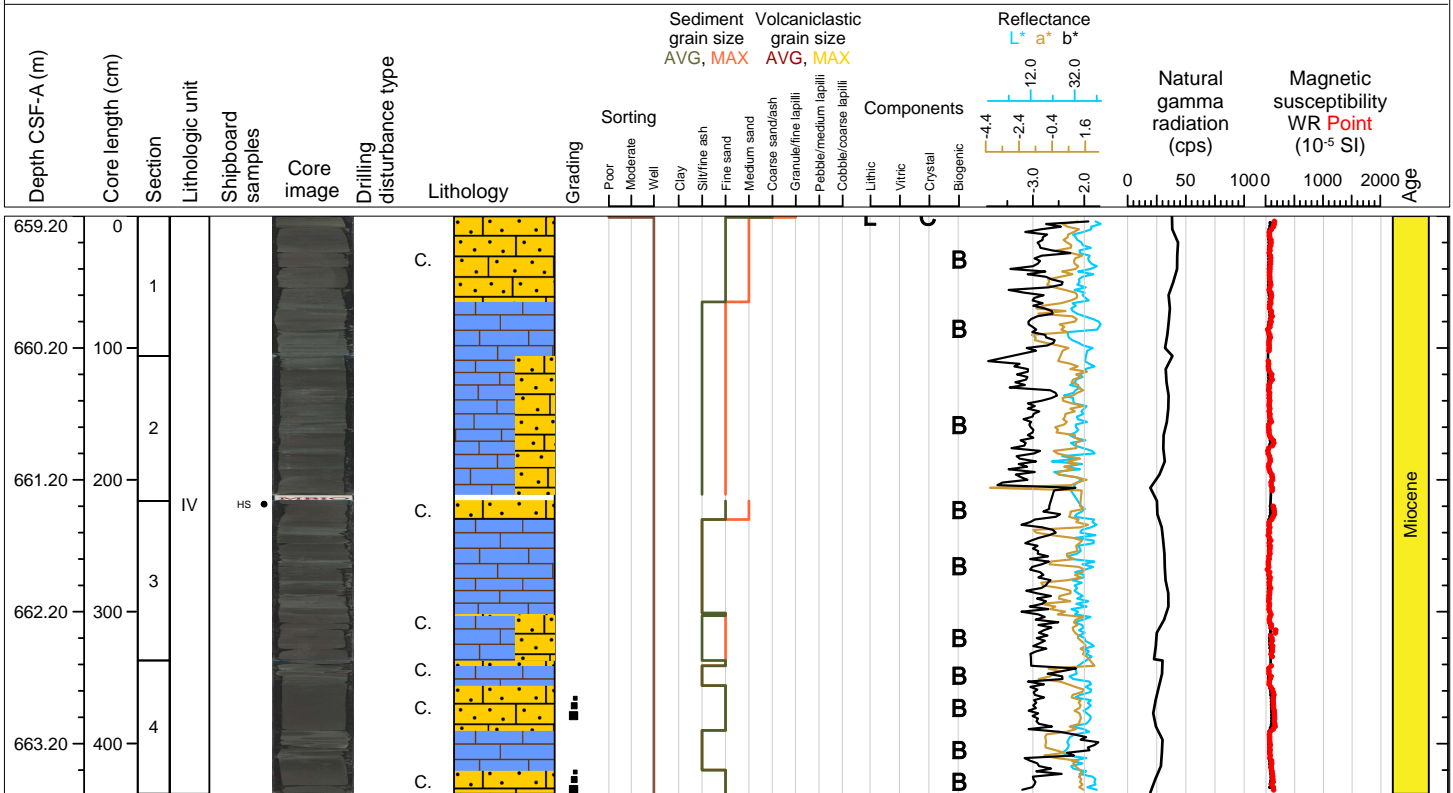
Hole 398-U1599C Core 46R, Interval 649.5-649.72 m (CSF-A)

Sandy conglomerate and mudstone.



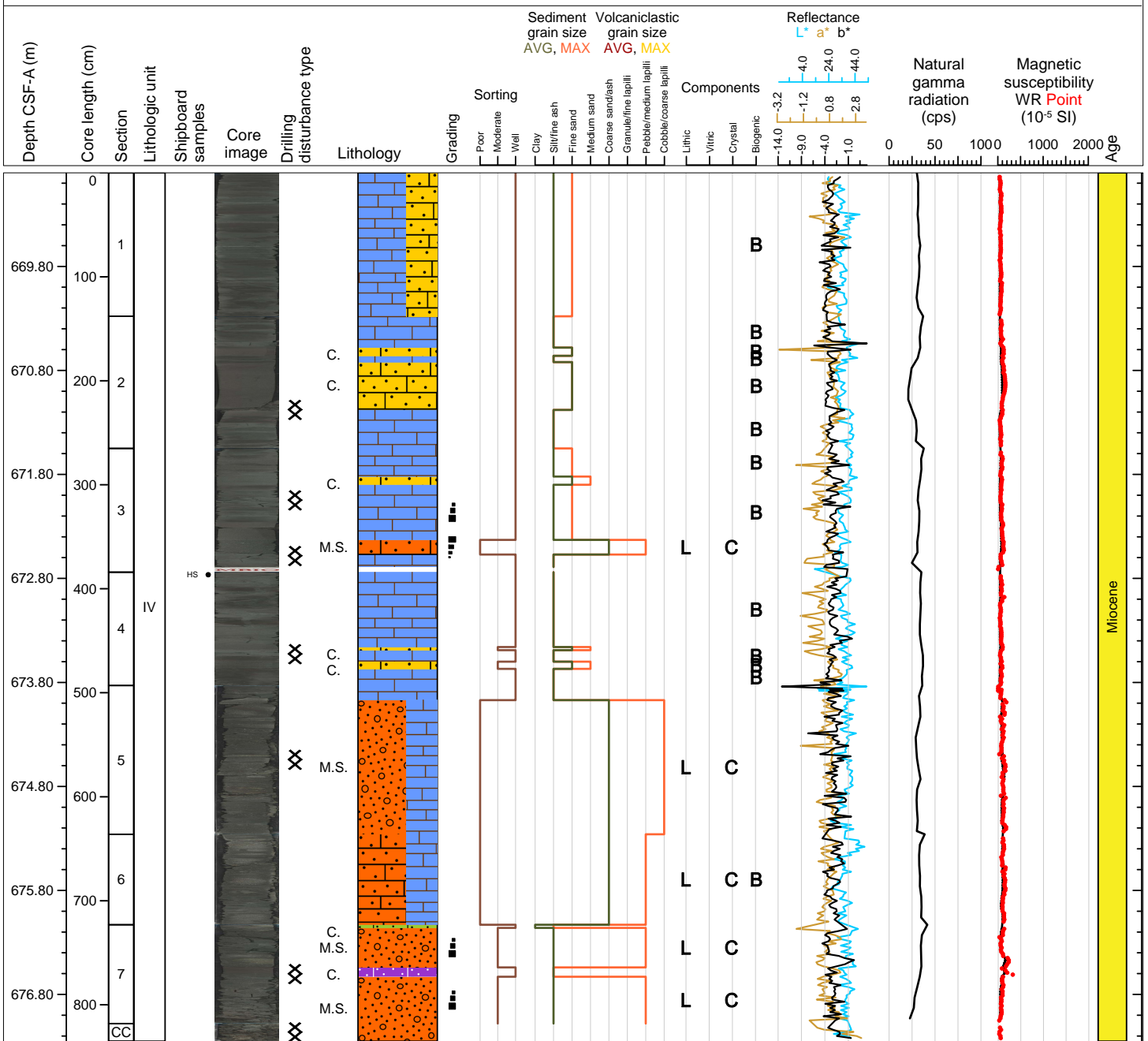
Hole 398-U1599C Core 47R, Interval 659.2-663.58 m (CSF-A)

Sandstone, calcareous sandstone and micrite.



Hole 398-U1599C Core 48R, Interval 668.9-677.25 m (CSF-A)

Calcareous sandstone, gravelly sandstone, calcareous siltstone, tuffaceous siltstone, micrite, and sandy conglomerate.





Hole 398-U1599C Core 49R, Interval 678.6-687.11 m (CSF-A)

Sandstone, gravelly sandstone, sandy conglomerate, dolostone, micrite, and marble.

