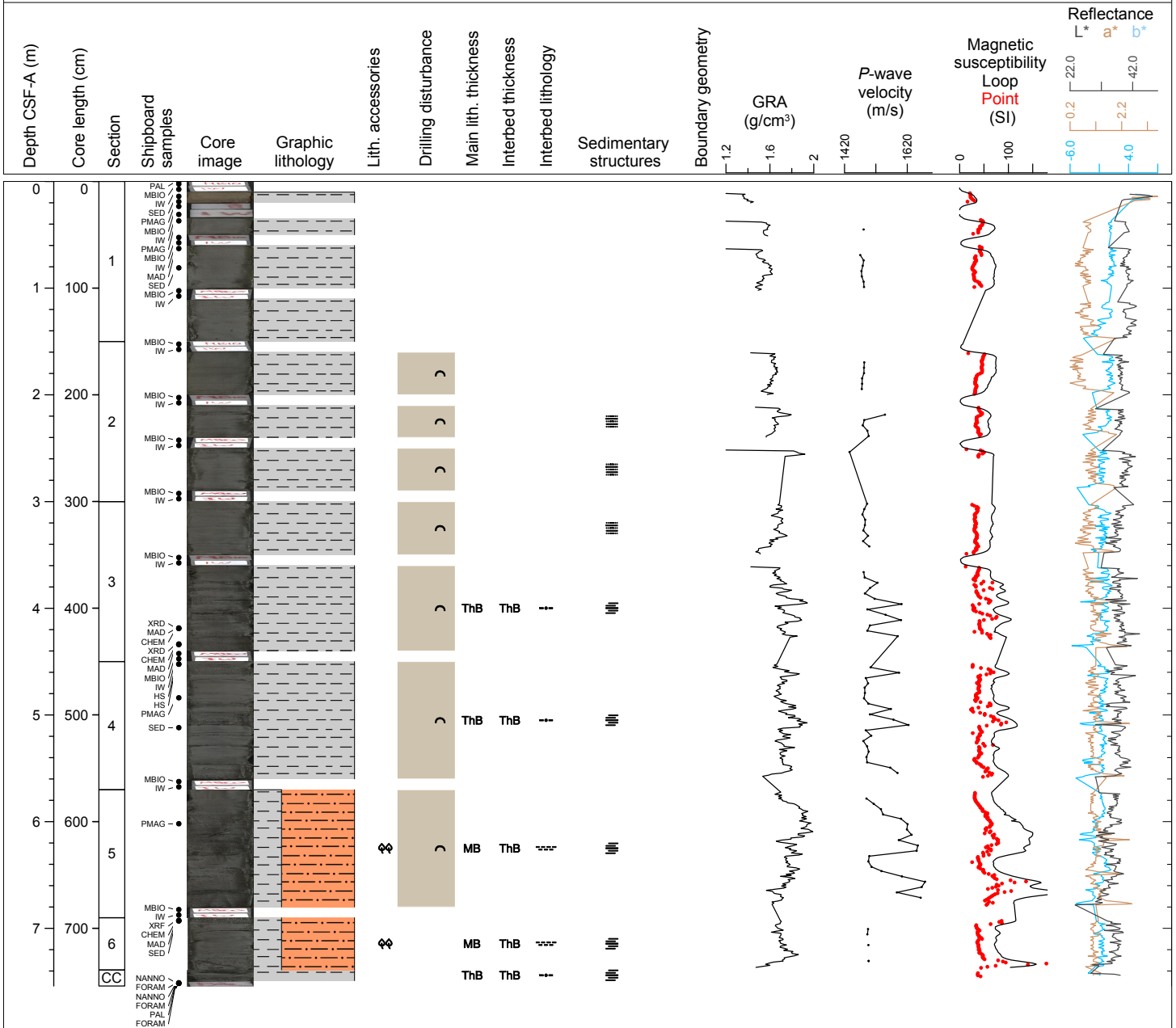


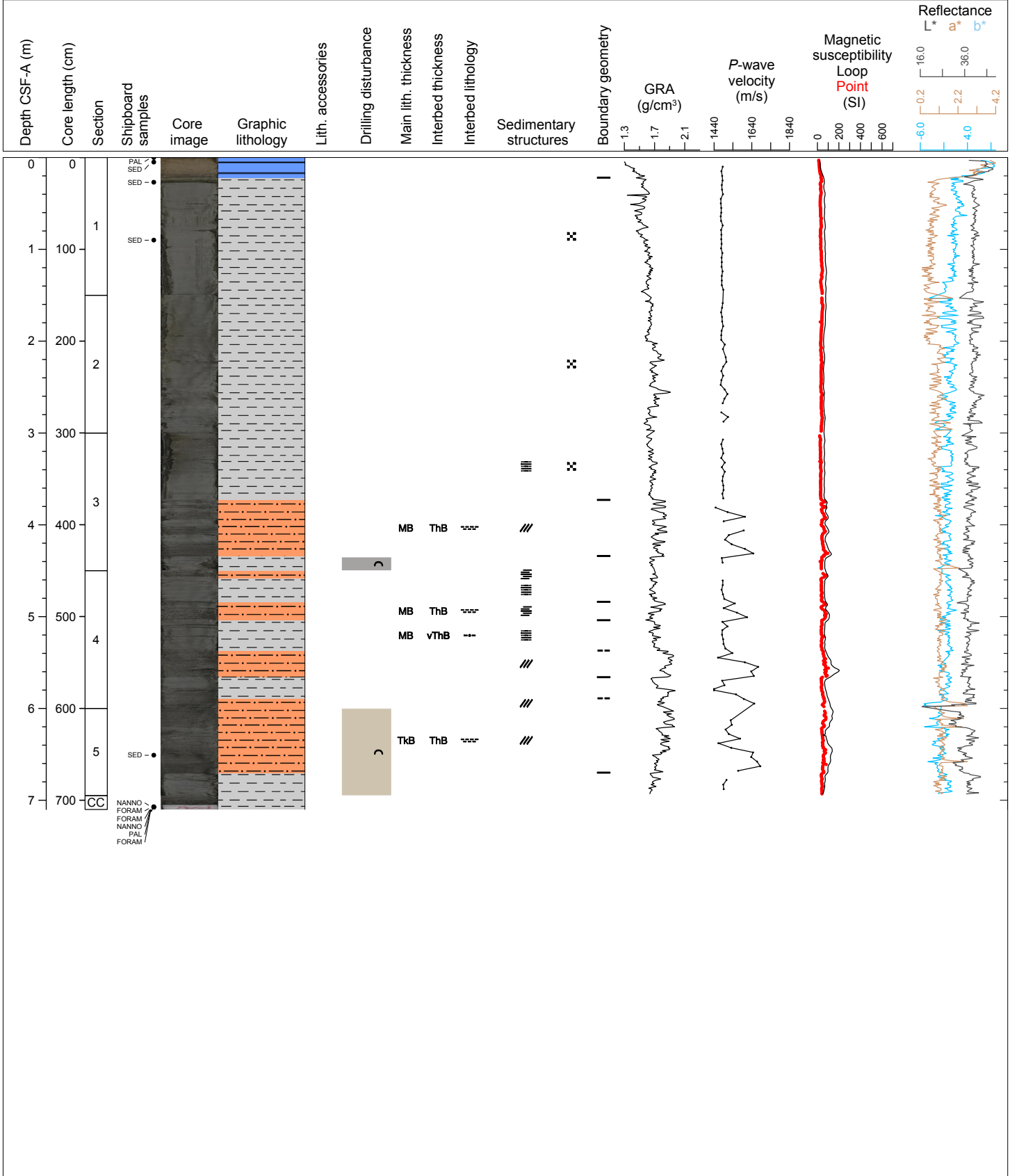
Hole 354-U1454A Core 1H, Interval 0.0-7.54 m (CSF-A)

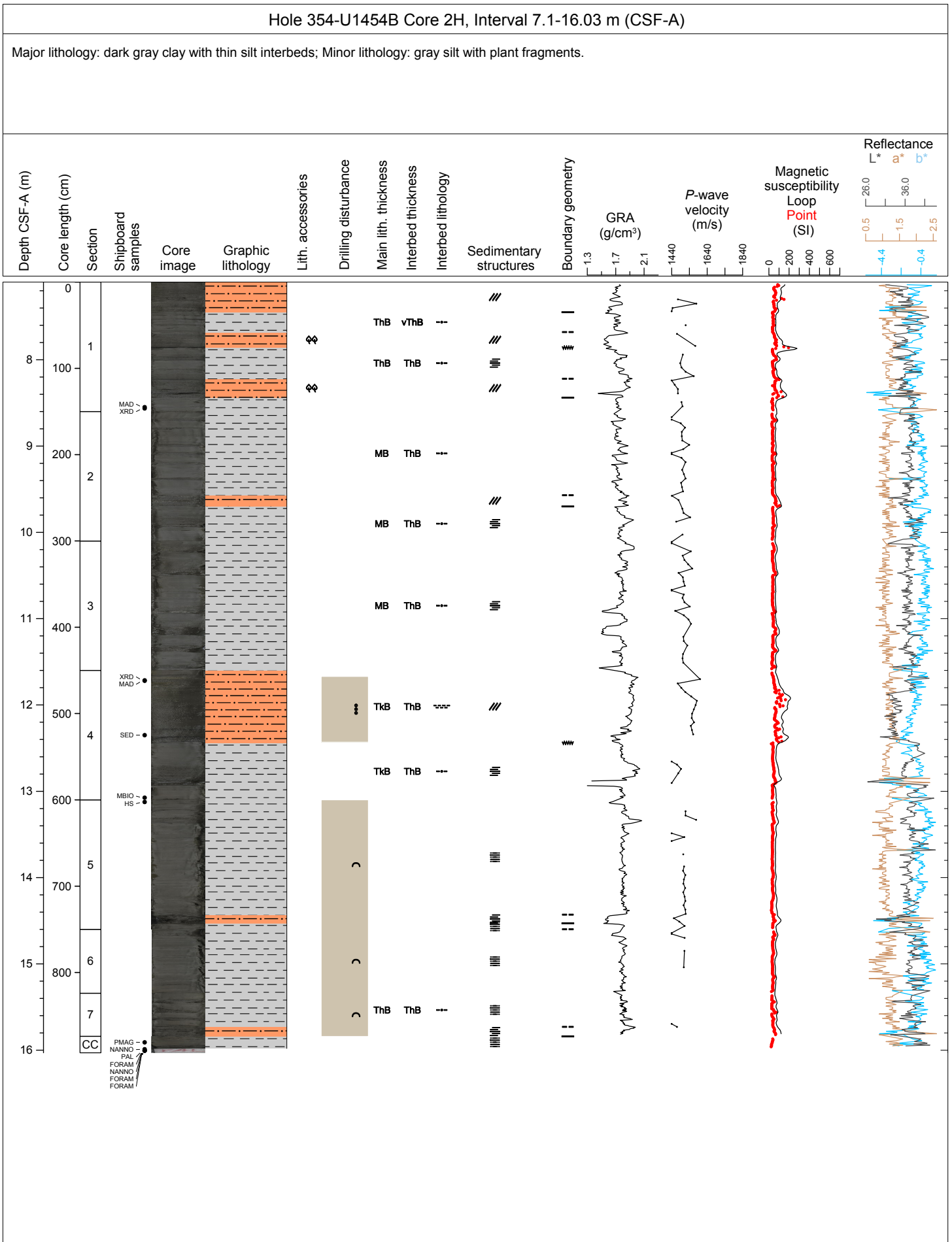
Major lithology: light brown to gray clay; Minor lithology: gray to dark gray parallel laminated clayey silt; General comments: black color banding.

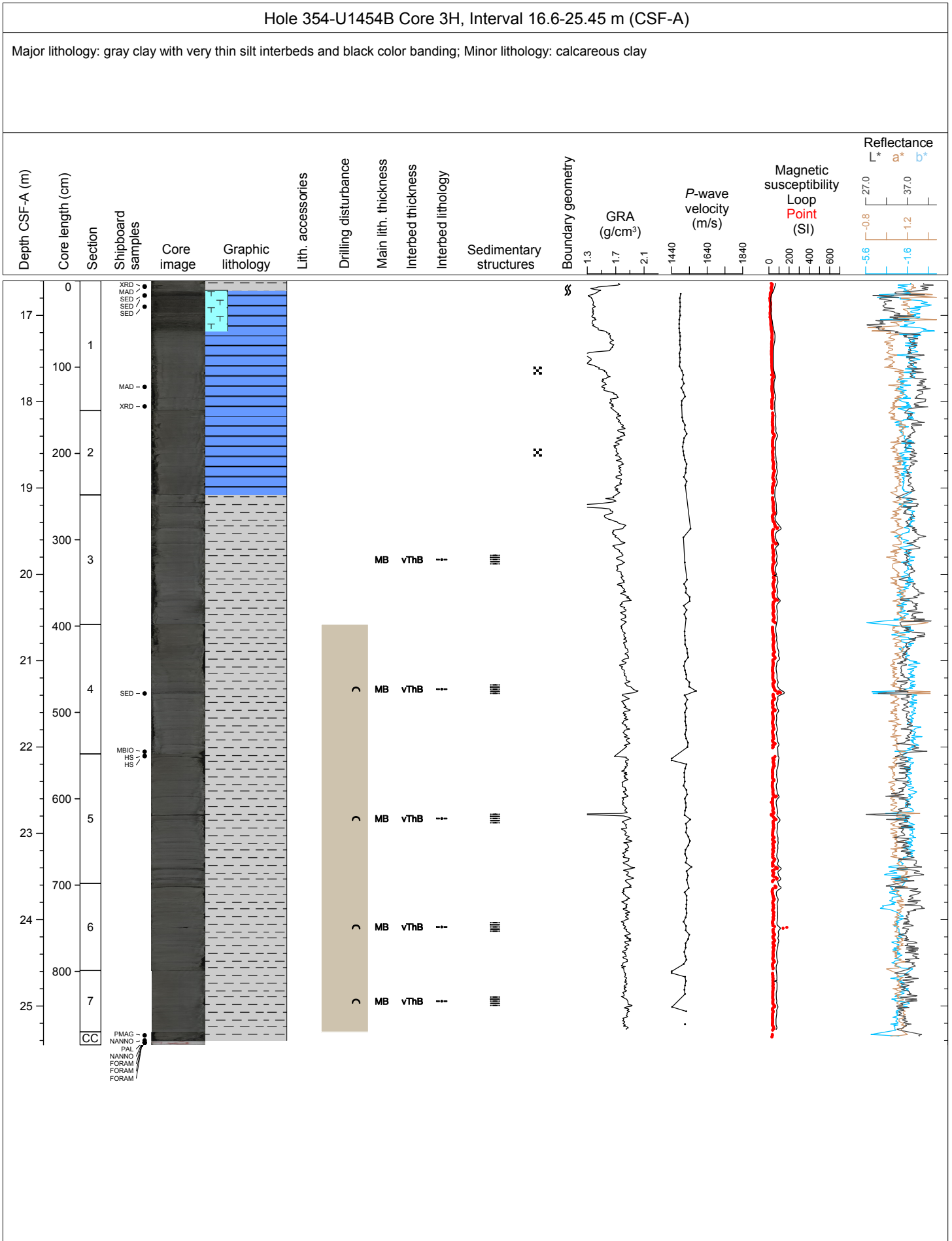


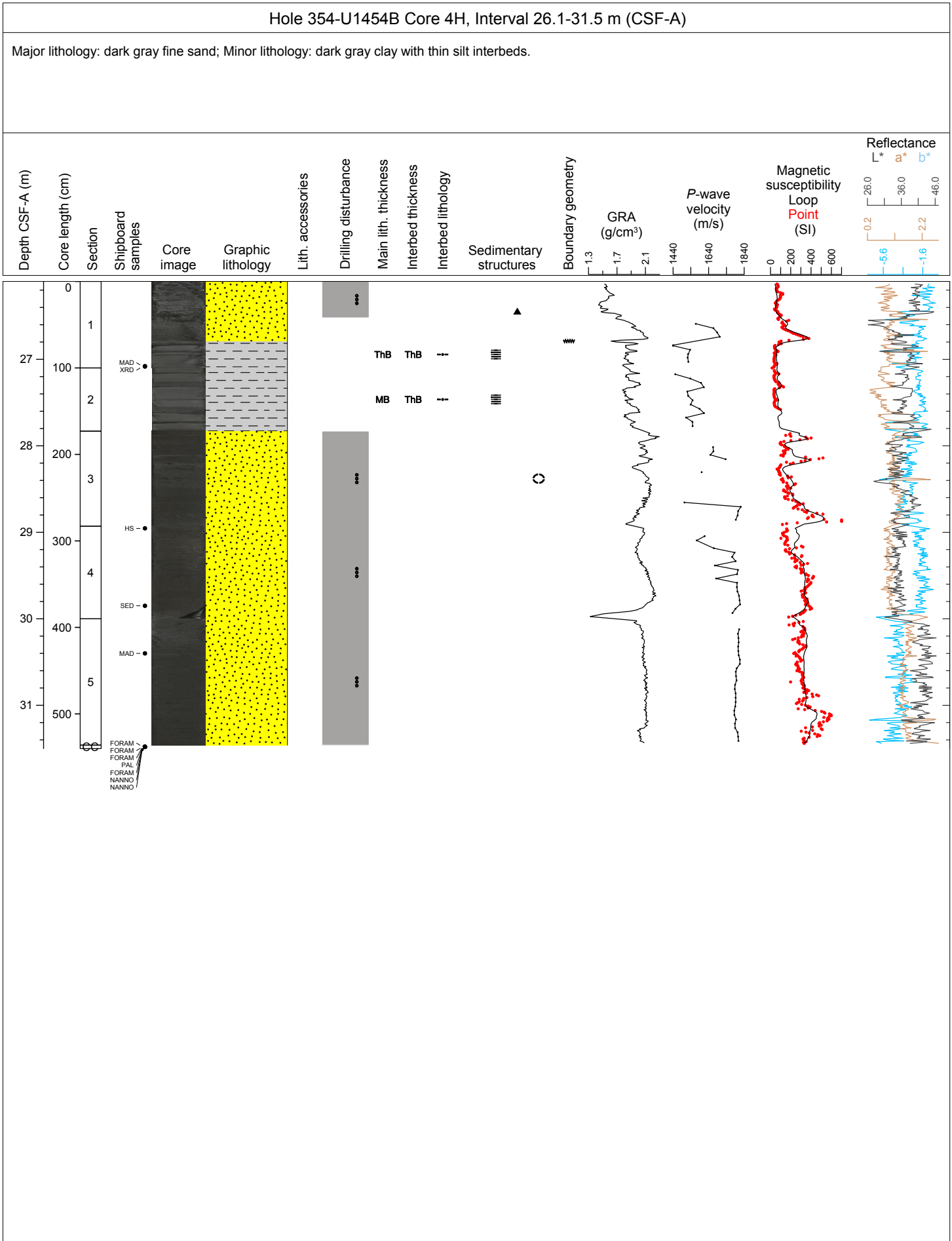
Hole 354-U1454B Core 1H, Interval 0.0-7.1 m (CSF-A)

Major lithology: gray clay with thin silt intrbeds; Minor lithology: gray silt with cross lamination and nannofossil rich calcareous clay. General comments: black color banding on the clays from the top 2 sections.



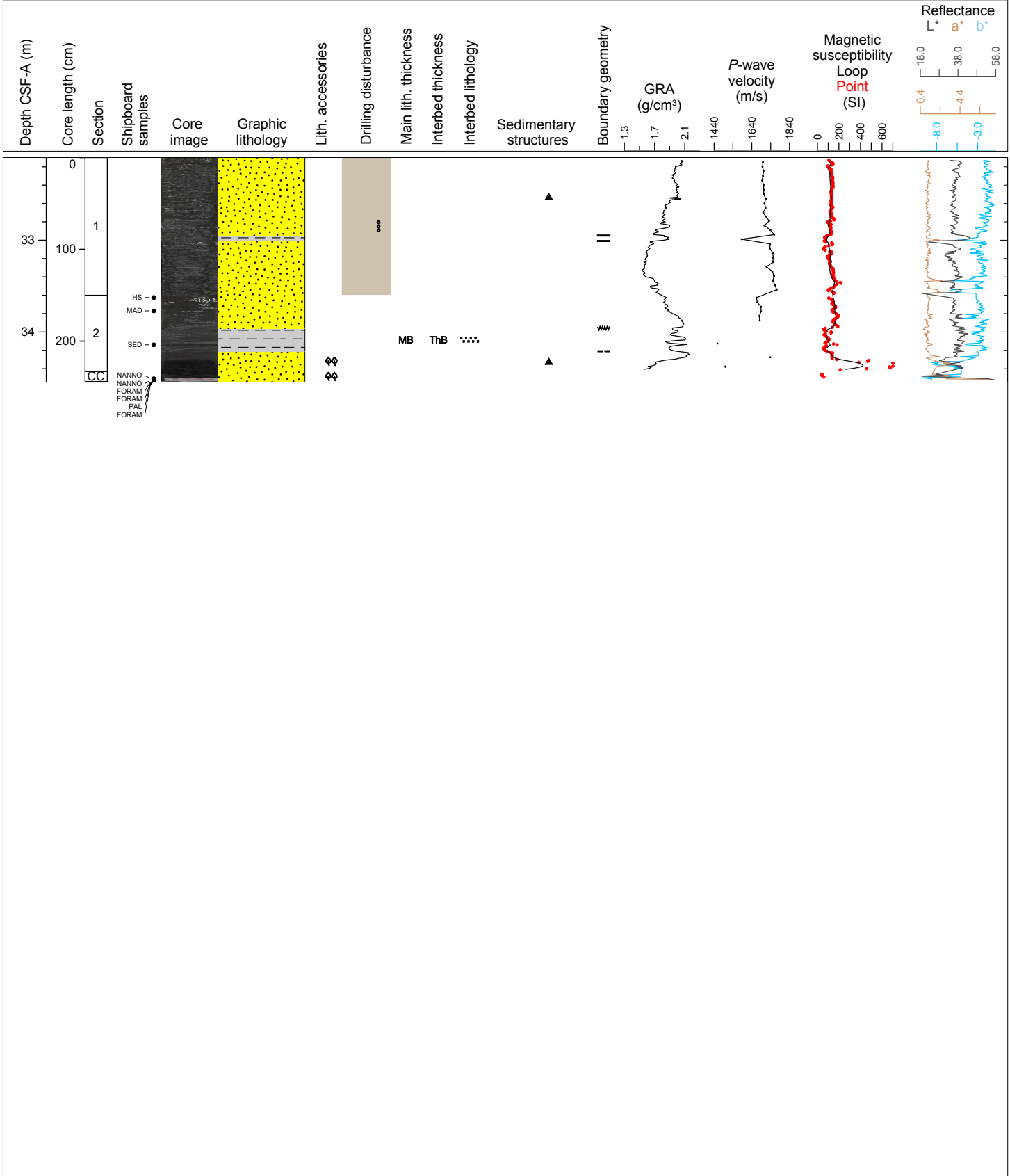






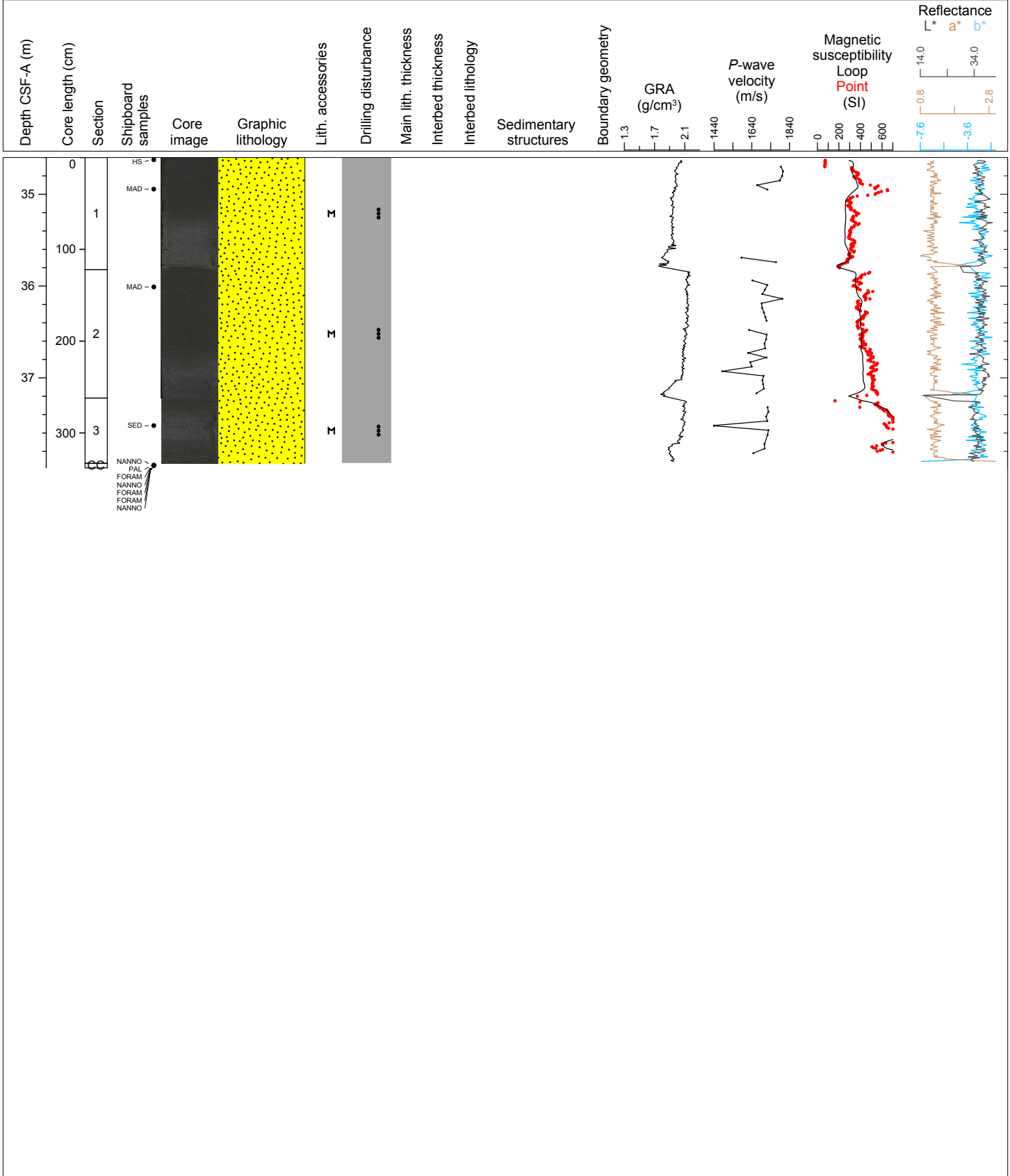
Hole 354-U1454B Core 5F, Interval 32.1-34.54 m (CSF-A)

Major lithology: dark gray sand with plant fragments; Minor lithology: gray clay; General comments: 5 cm wood fragment.



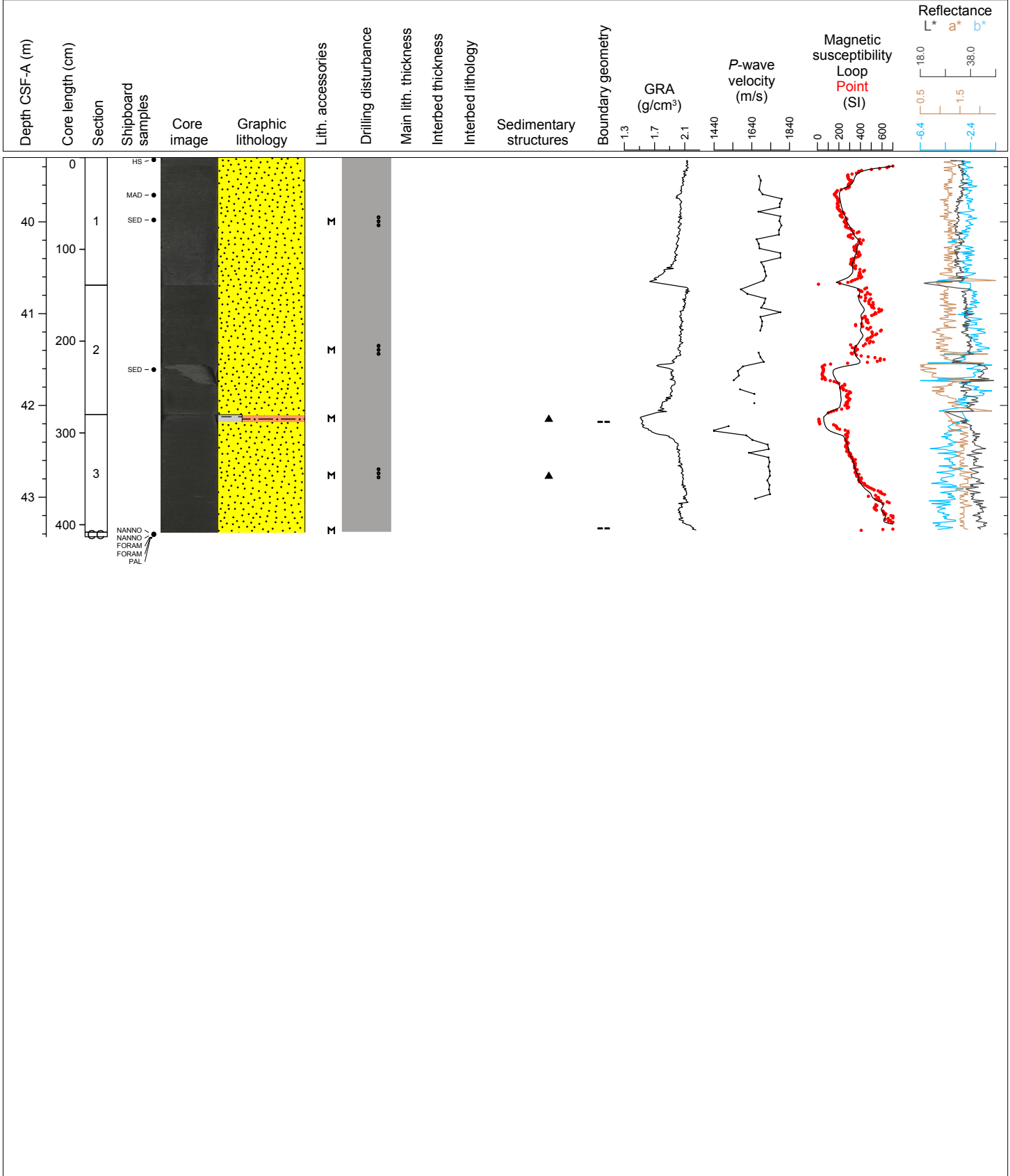
Hole 354-U1454B Core 6F, Interval 34.6-37.98 m (CSF-A)

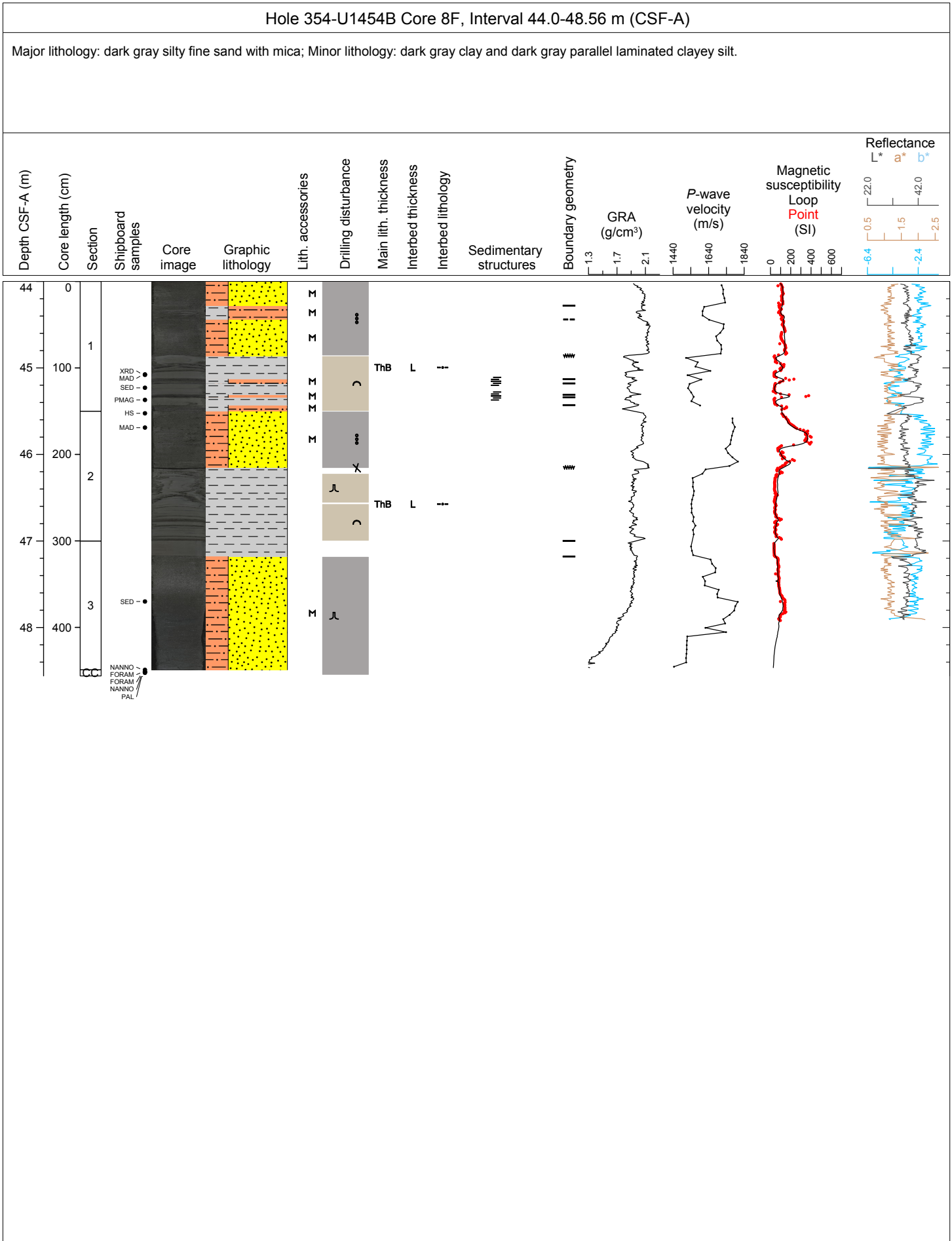
Major lithology: dark gray fine sand with mica.

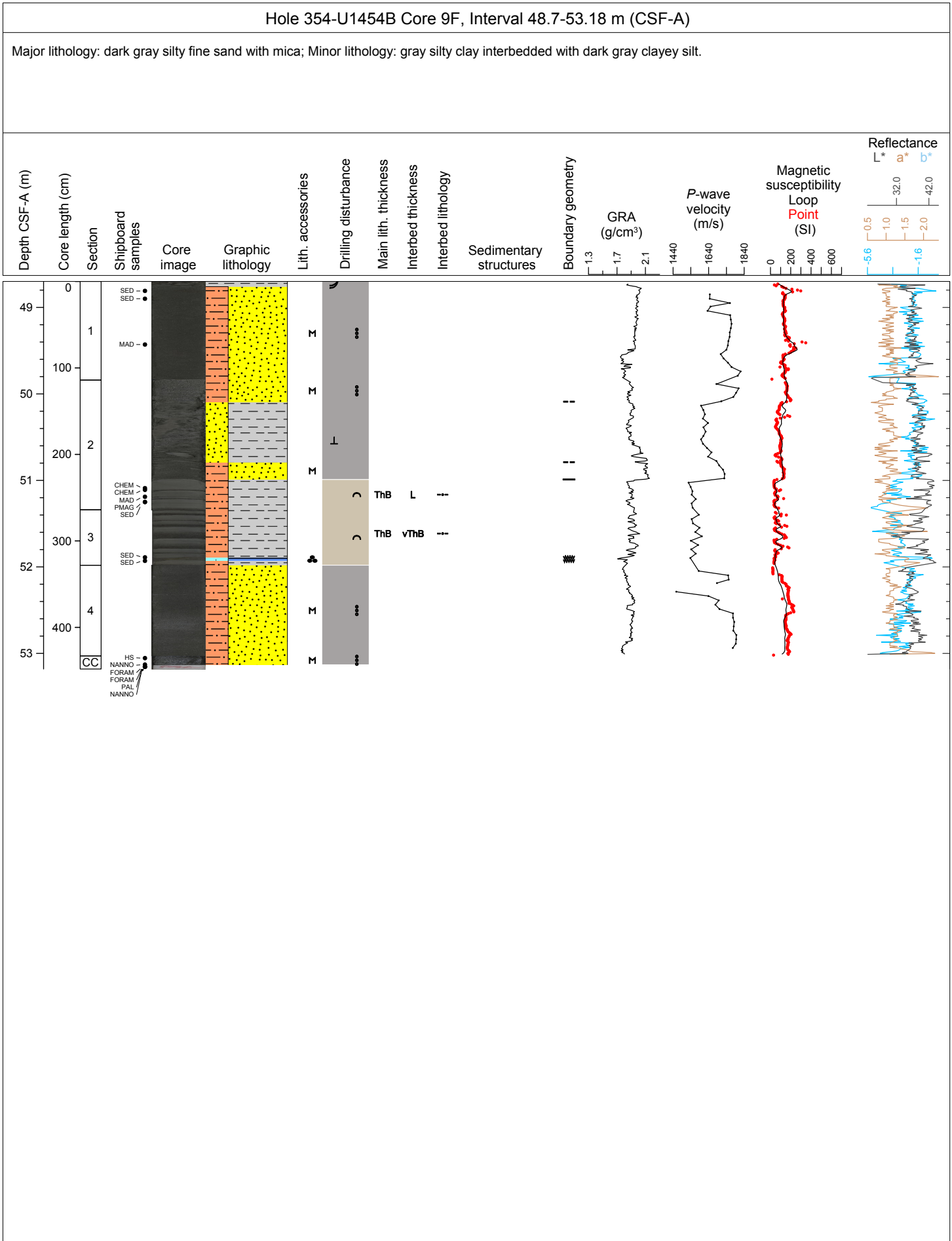


Hole 354-U1454B Core 7F, Interval 39.3-43.43 m (CSF-A)

Major lithology: dark gray normally graded fine to medium sand; Minor lithology: dark gray clayey silt.

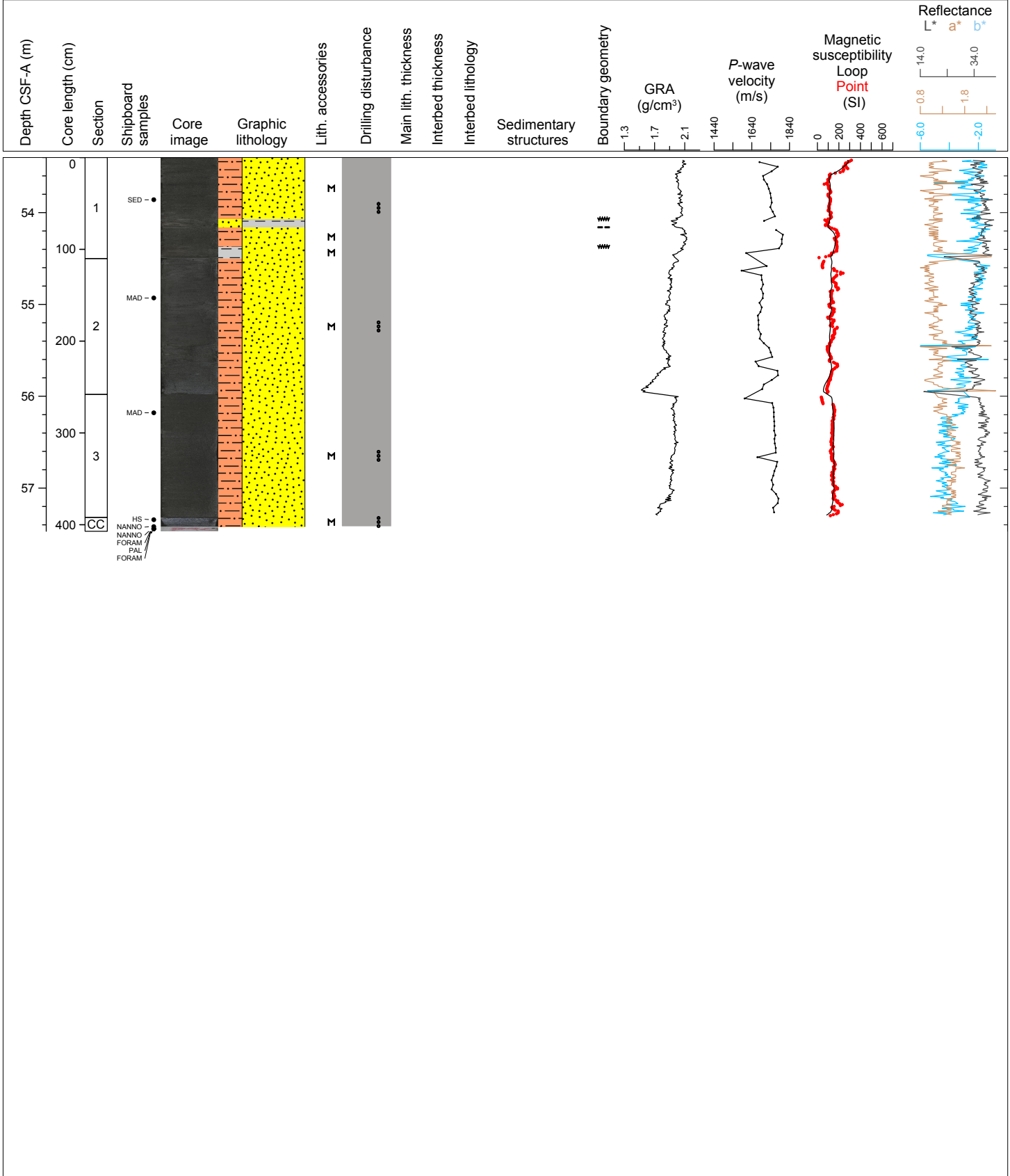






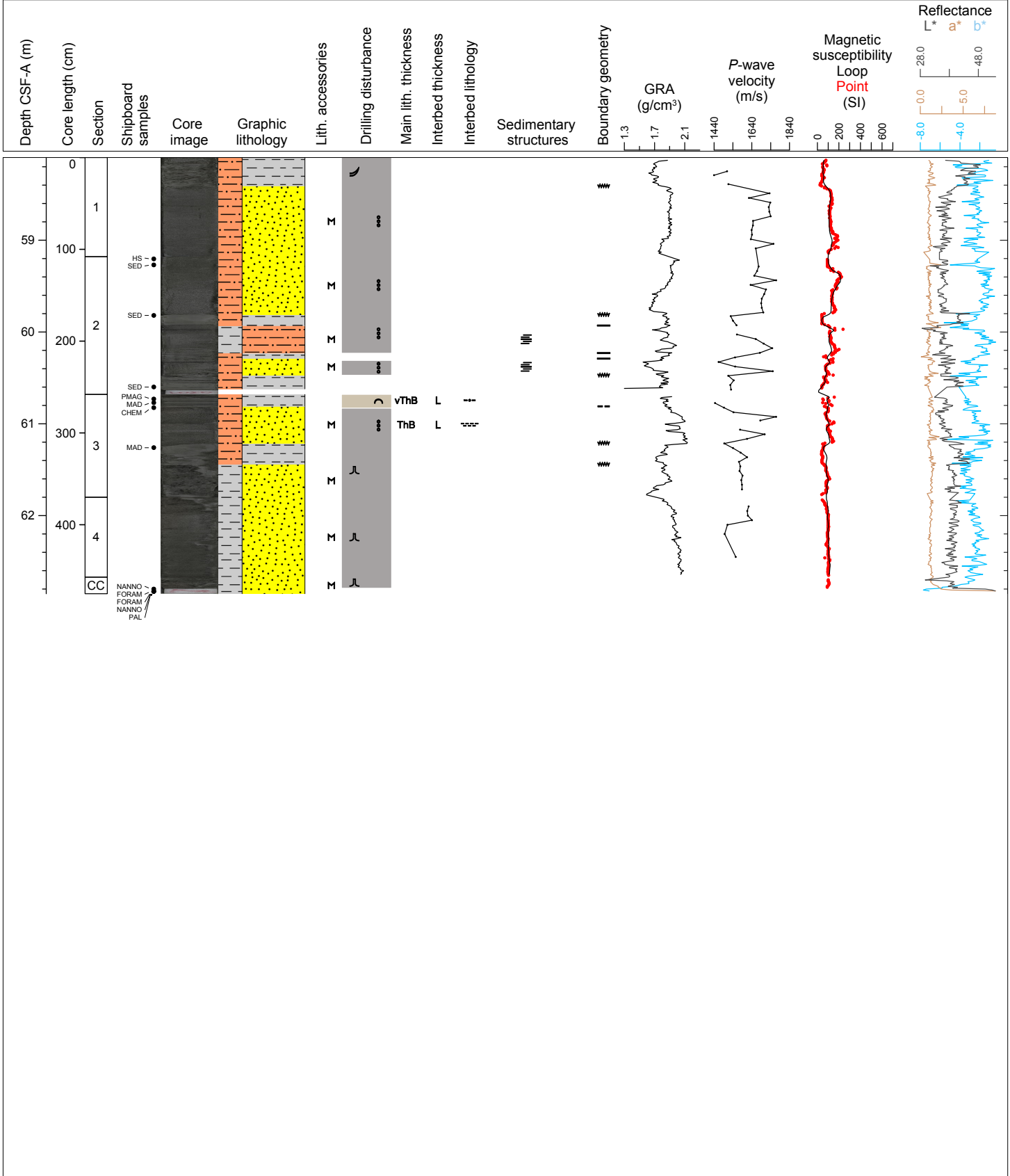
Hole 354-U1454B Core 10F, Interval 53.4-57.47 m (CSF-A)

Major lithology: dark gray silty fine sand with mica; Minor lithology: gray clayey fine sand.



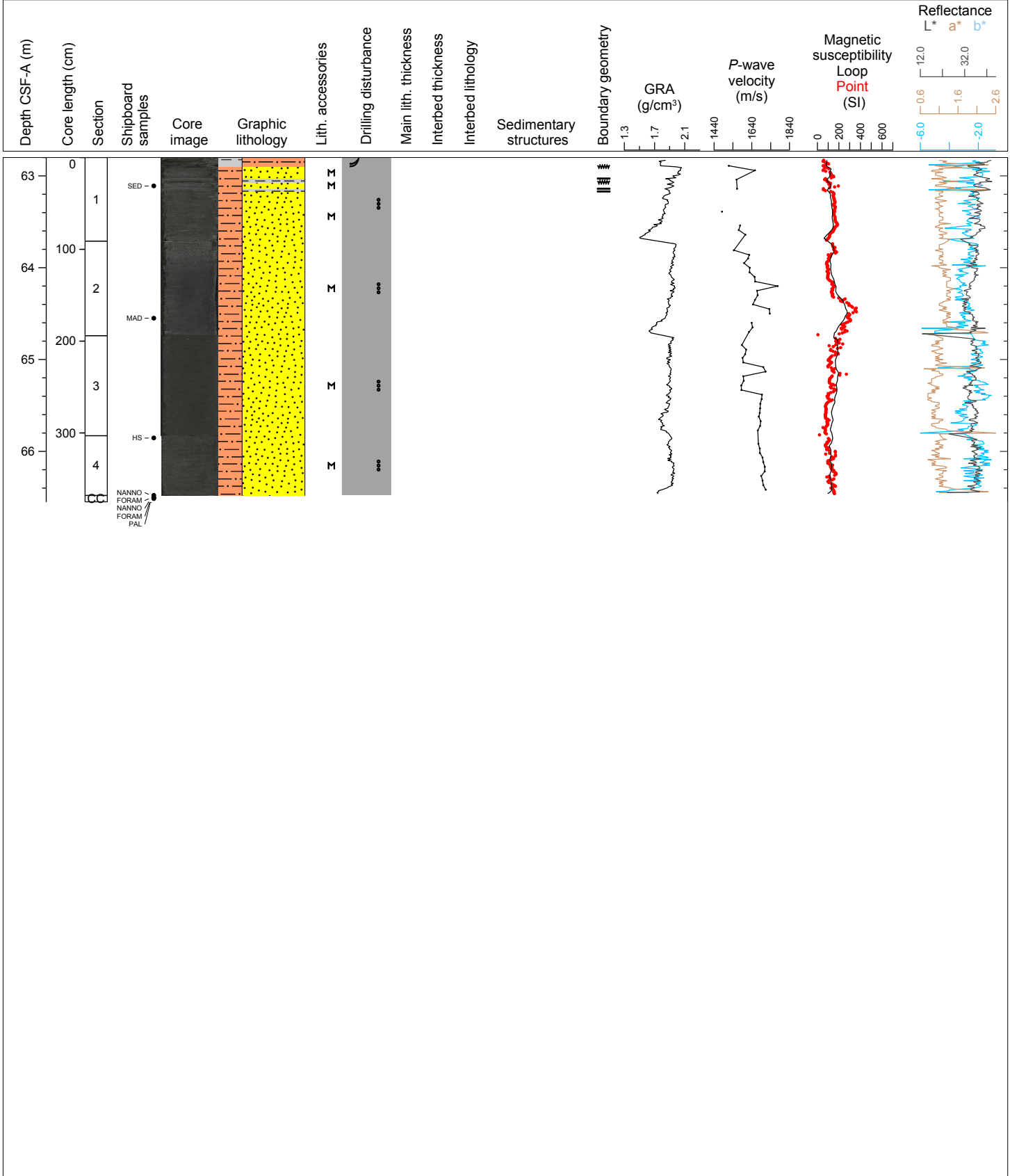
Hole 354-U1454B Core 11F, Interval 58.1-62.85 m (CSF-A)

Major lithology: dark gray silty sand; Minor lithology: gray silty clay, dark gray clayey sand, dark gray parallel laminated clayey silt.



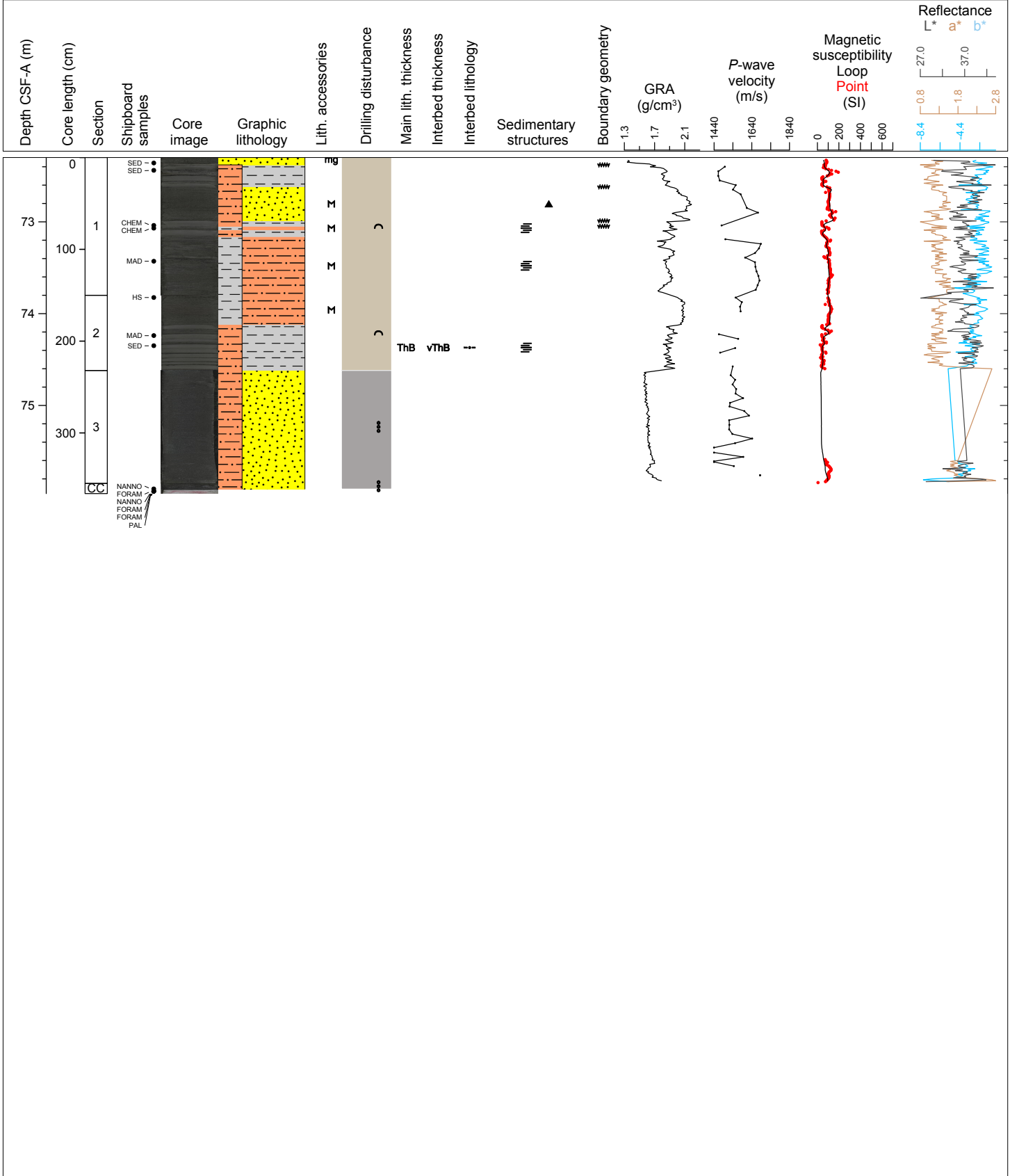
Hole 354-U1454B Core 12F, Interval 62.8-66.55 m (CSF-A)

Major lithology: dark gray silty fine sand; Minor lithology: gray silty clay and dark gray clayey silt.



Hole 354-U1454B Core 14F, Interval 72.3-75.96 m (CSF-A)

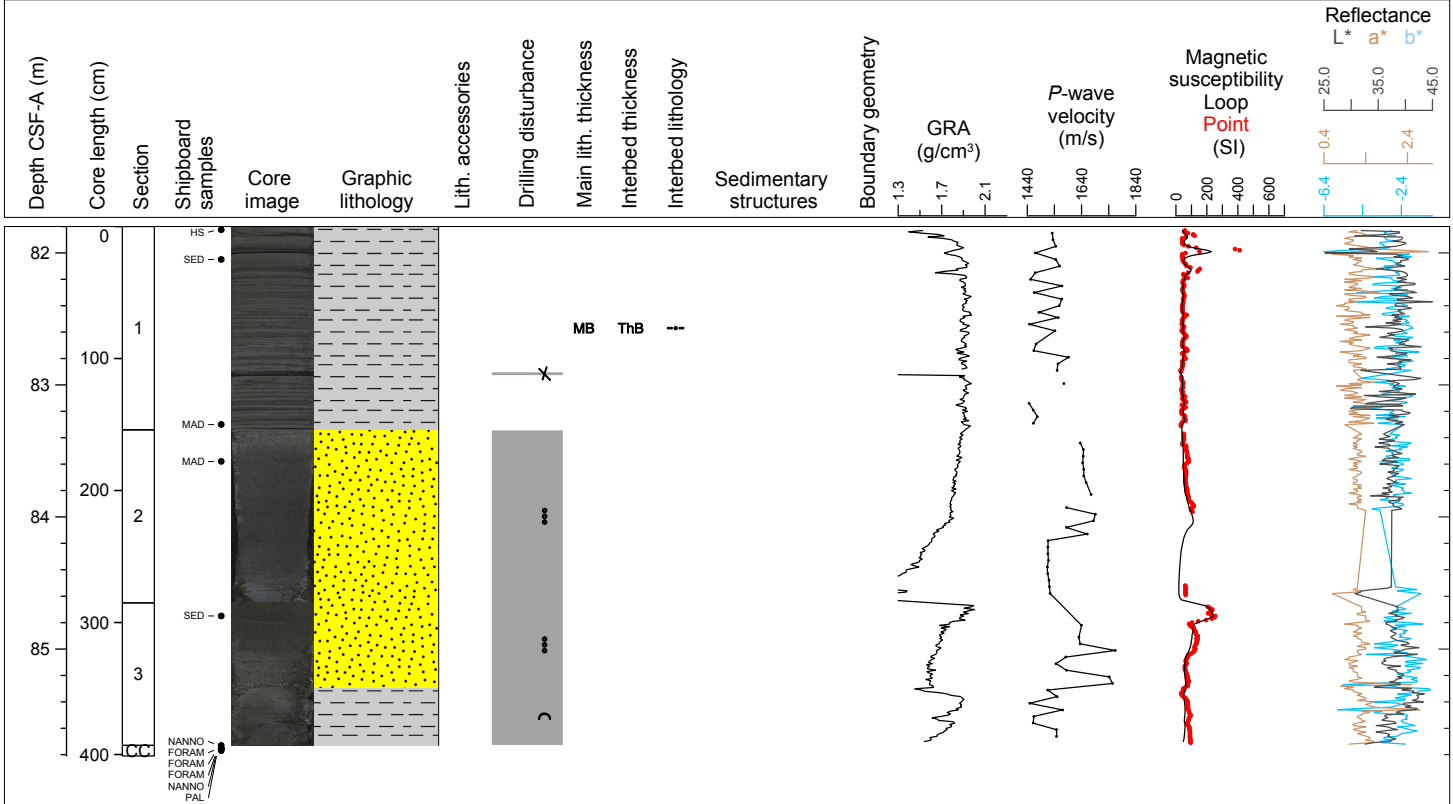
Major lithology: gray silty clay; Minor lithology: dark gray silty sand and dark gray parallel laminated clayey silt



U1454B-151 Drilled interval

Hole 354-U1454B Core 16F, Interval 81.8-85.81 m (CSF-A)

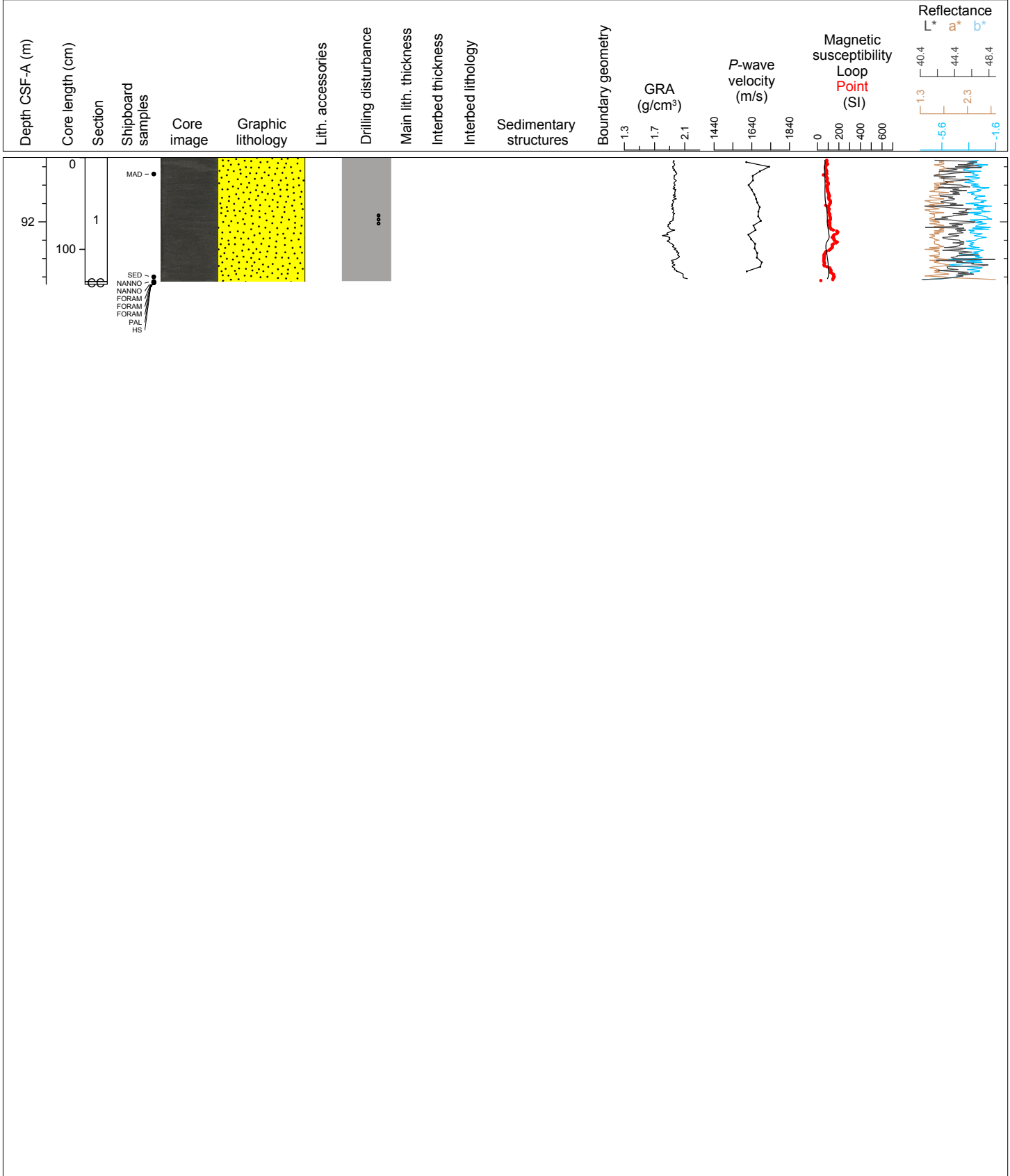
Major lithology: dark gray sand; Minor lithology: dark gray clay with thin silt interbeds



U1454B-171 Drilled interval

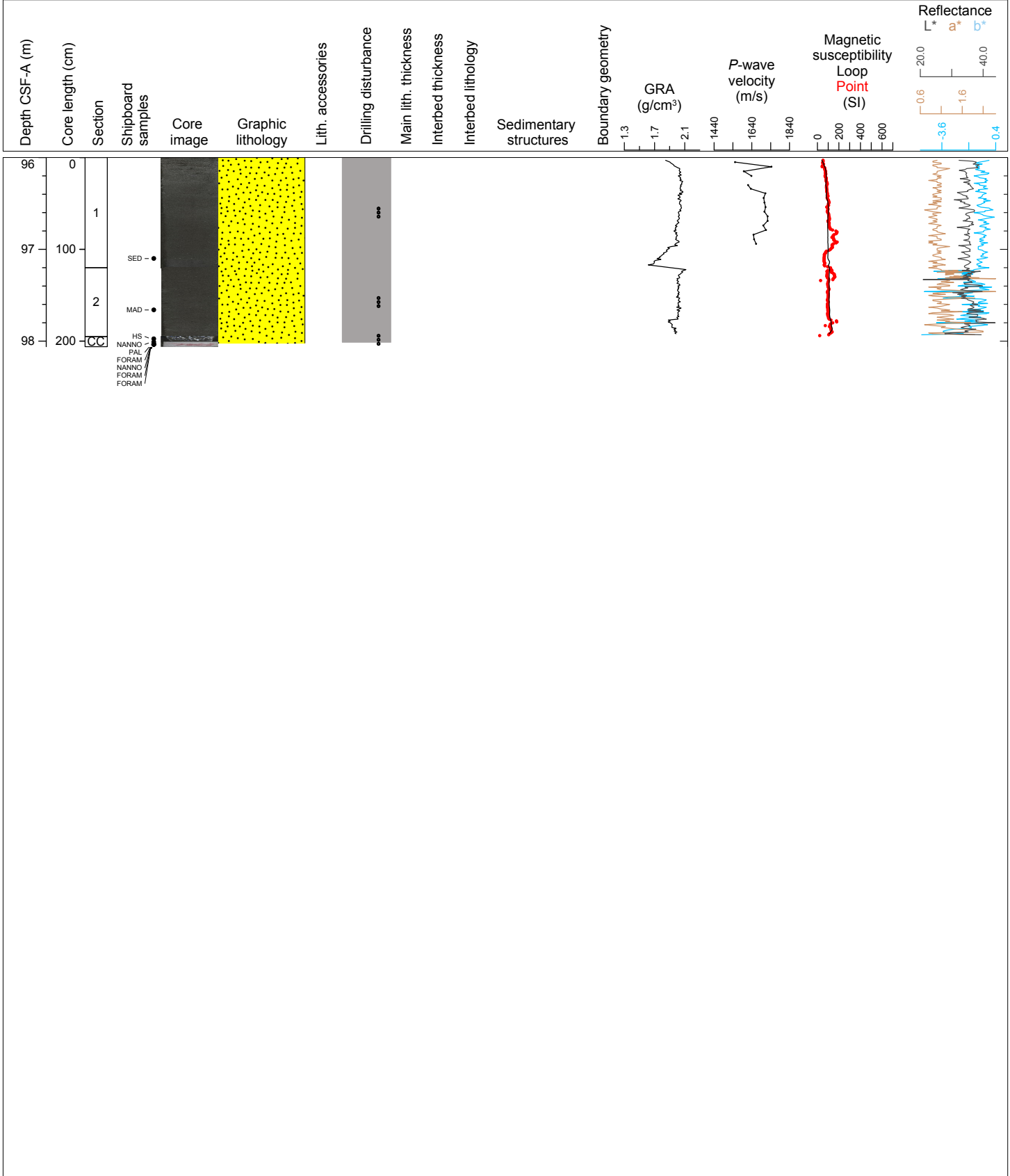
Hole 354-U1454B Core 18F, Interval 91.3-92.68 m (CSF-A)

Major lithology: dark gray sand



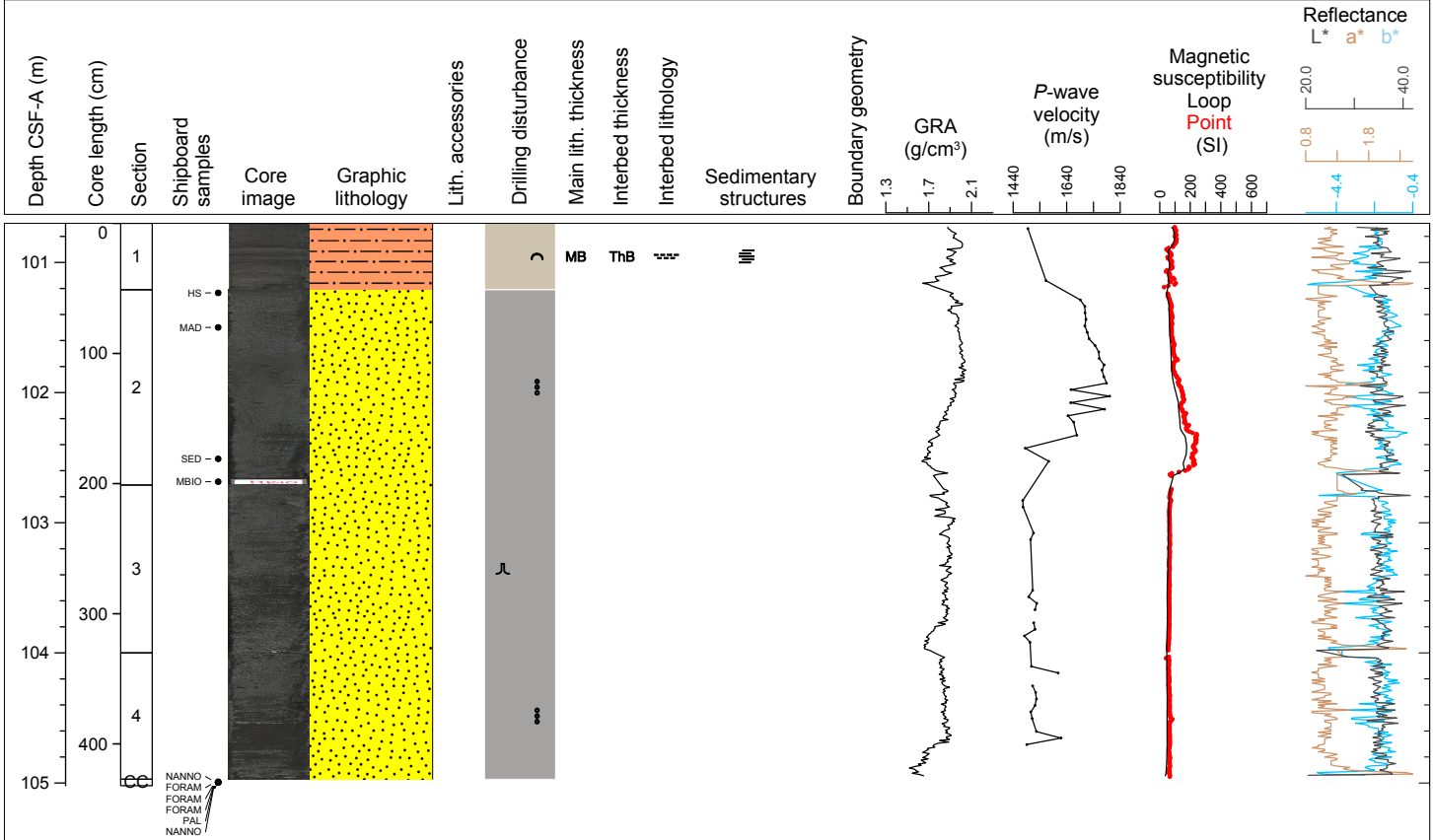
Hole 354-U1454B Core 19F, Interval 96.0-98.06 m (CSF-A)

Major lithology: dark gray sand



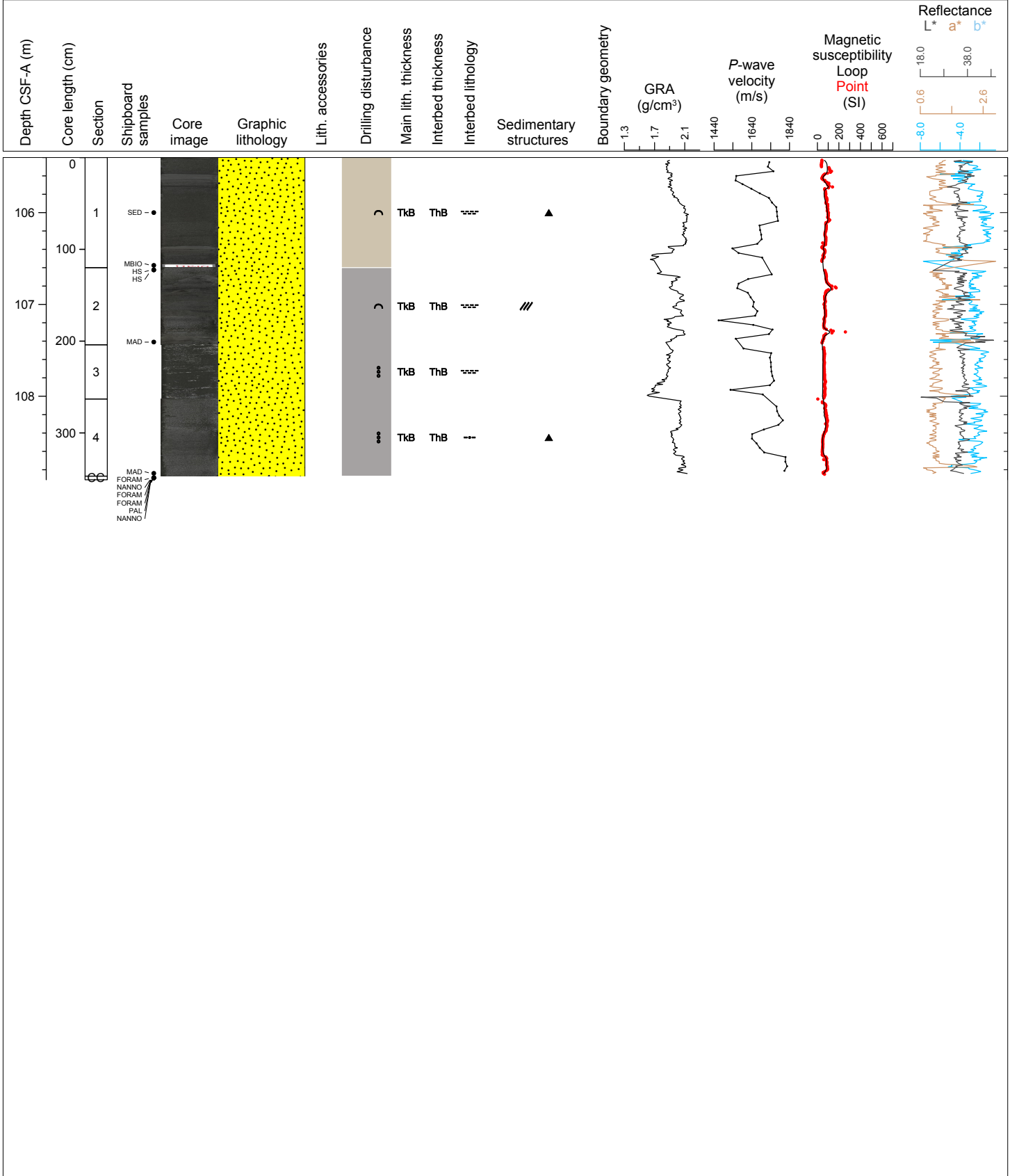
Hole 354-U1454B Core 20F, Interval 100.7-105.02 m (CSF-A)

Major lithology: soupy sand; Minor lithology: gray silt with thin clay intrbeds.



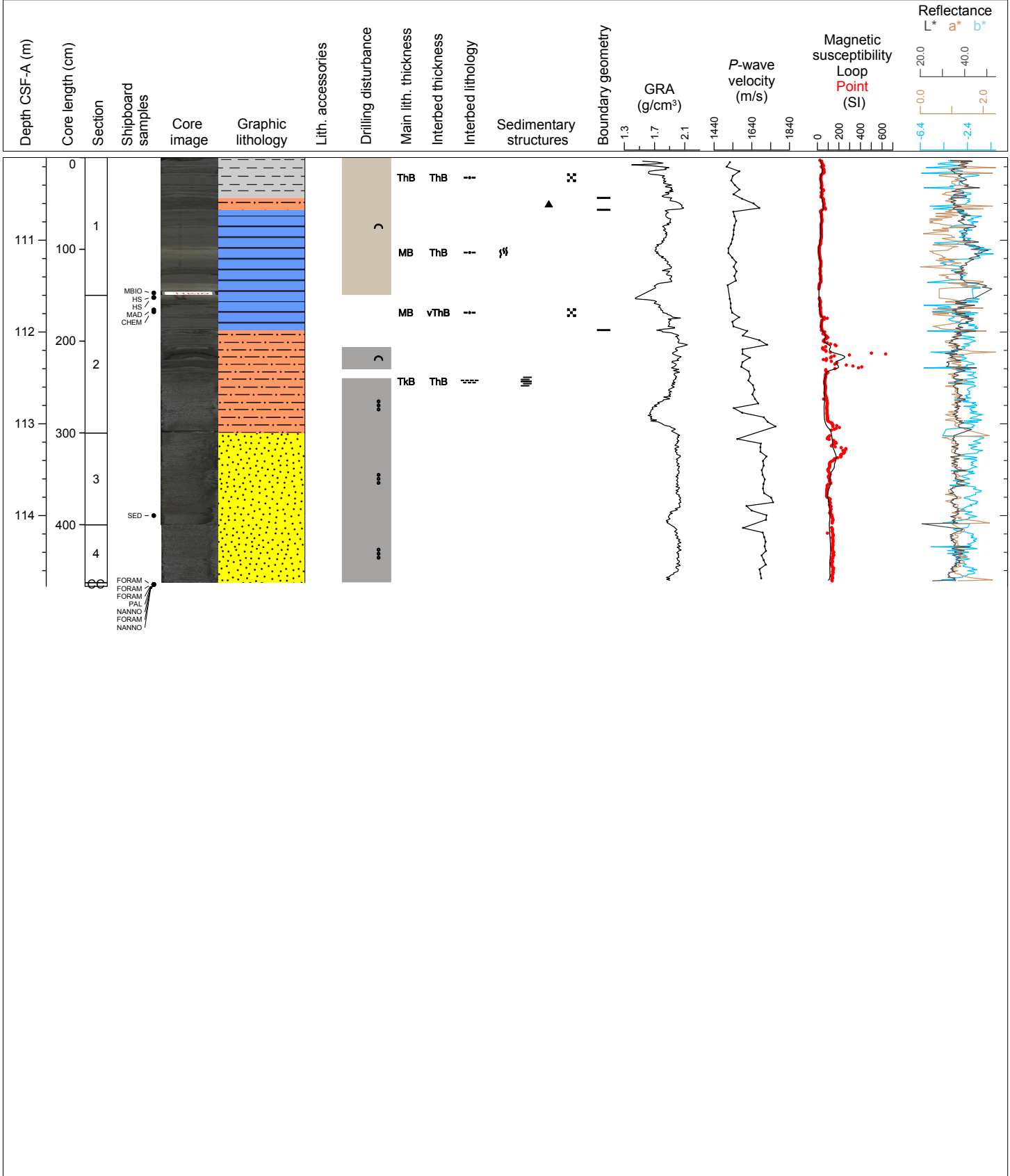
Hole 354-U1454B Core 21F, Interval 105.4-108.91 m (CSF-A)

Major lithology: dark gray sand; Minor lithology: dark gray clay



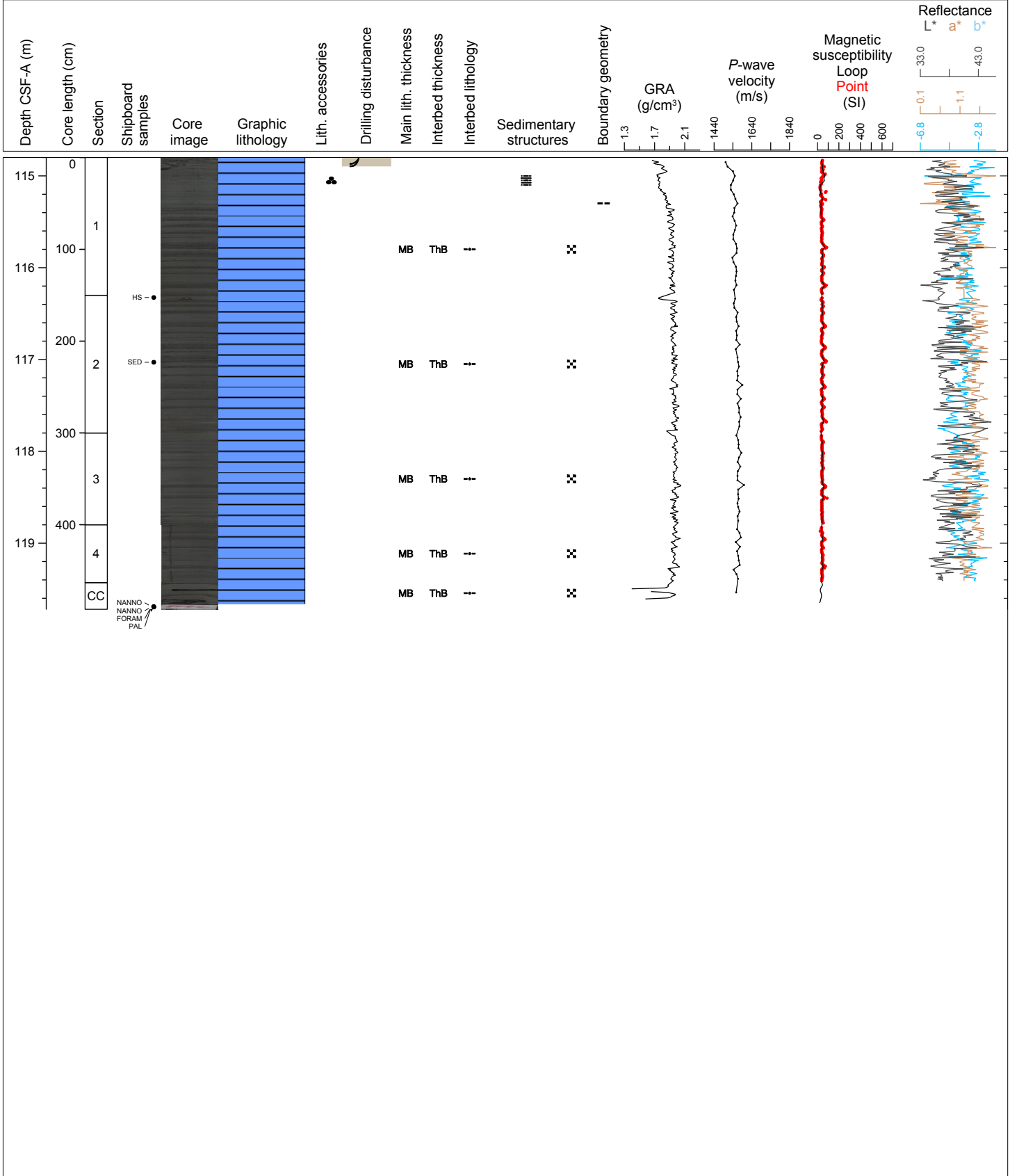
Hole 354-U1454B Core 22F, Interval 110.1-114.77 m (CSF-A)

Major lithology: light gray calcaeous clay with thin silt interbeds and dark gray soupy sand; Minor lithology: gray silt with thin clay interbeds.



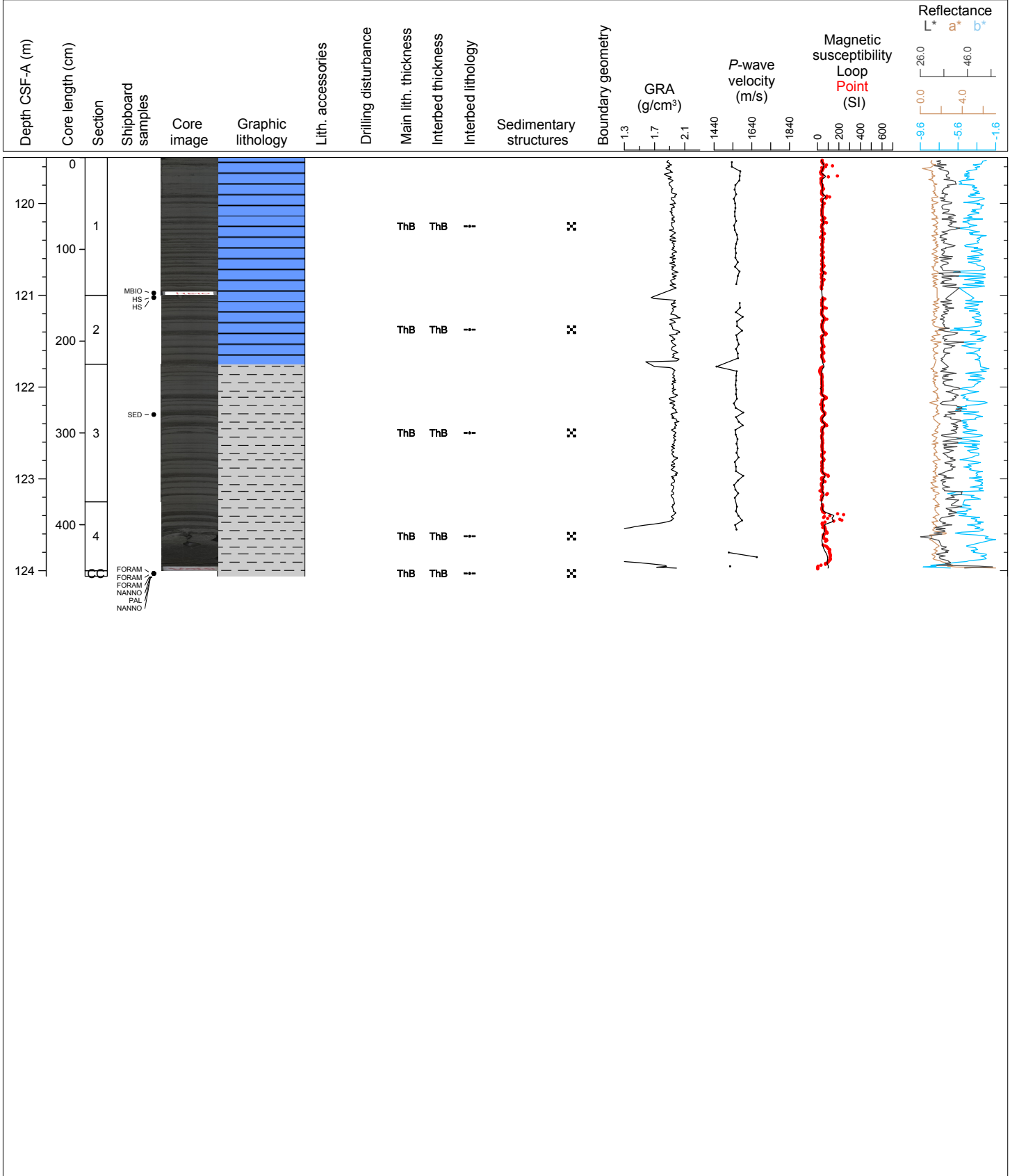
Hole 354-U1454B Core 23F, Interval 114.8-119.72 m (CSF-A)

Main lithology: gray mottled calcareous clay with thin silt interbeds; General comments: succession of mud turbidites.



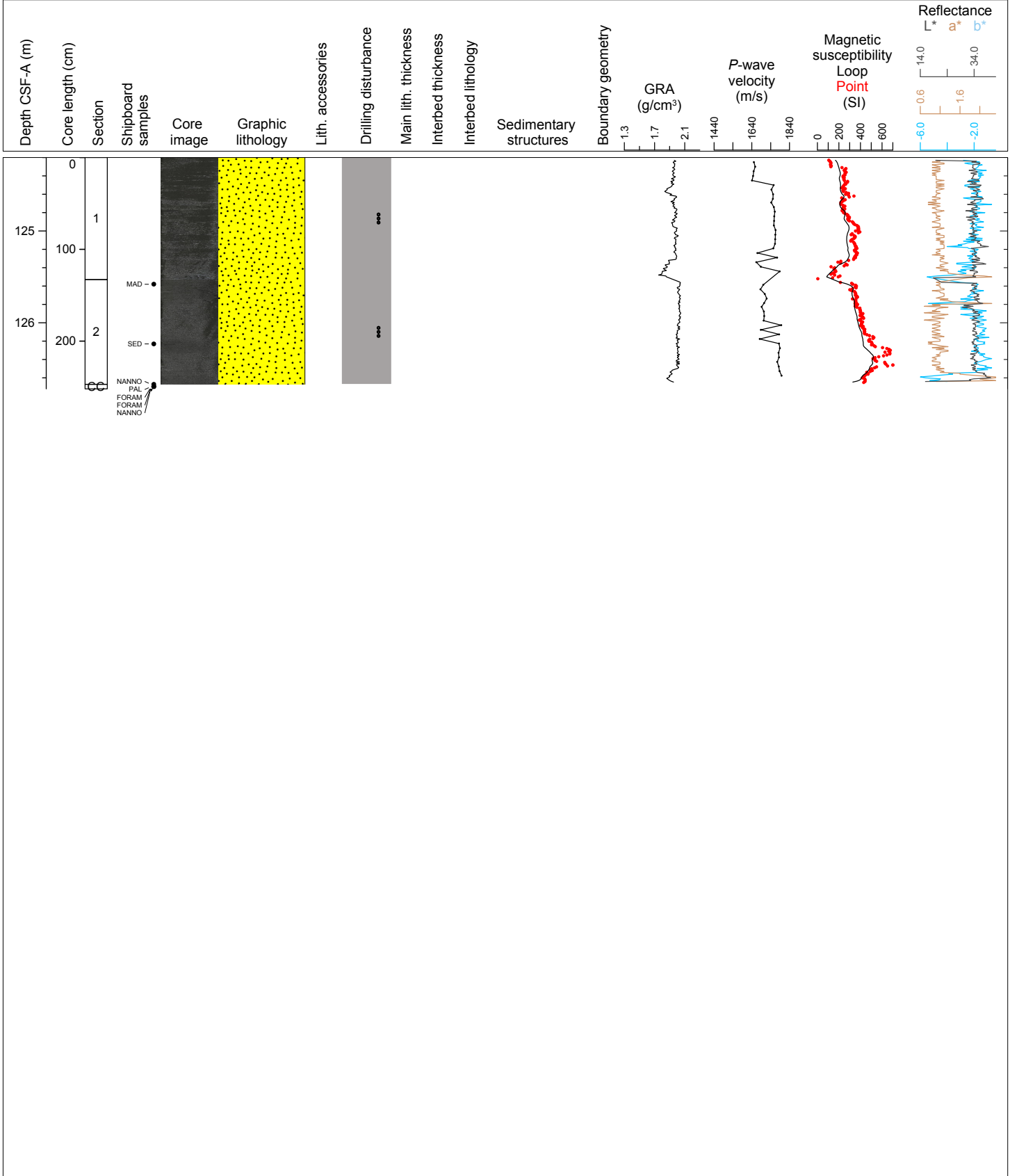
Hole 354-U1454B Core 24F, Interval 119.5-124.06 m (CSF-A)

Main lithology: gray calcareous clay and clay with thin silt interbeds. General comments: Succession of mud turbidites grading from silt to clay with mottling. The amount of mottling seems to decrease with core depth.



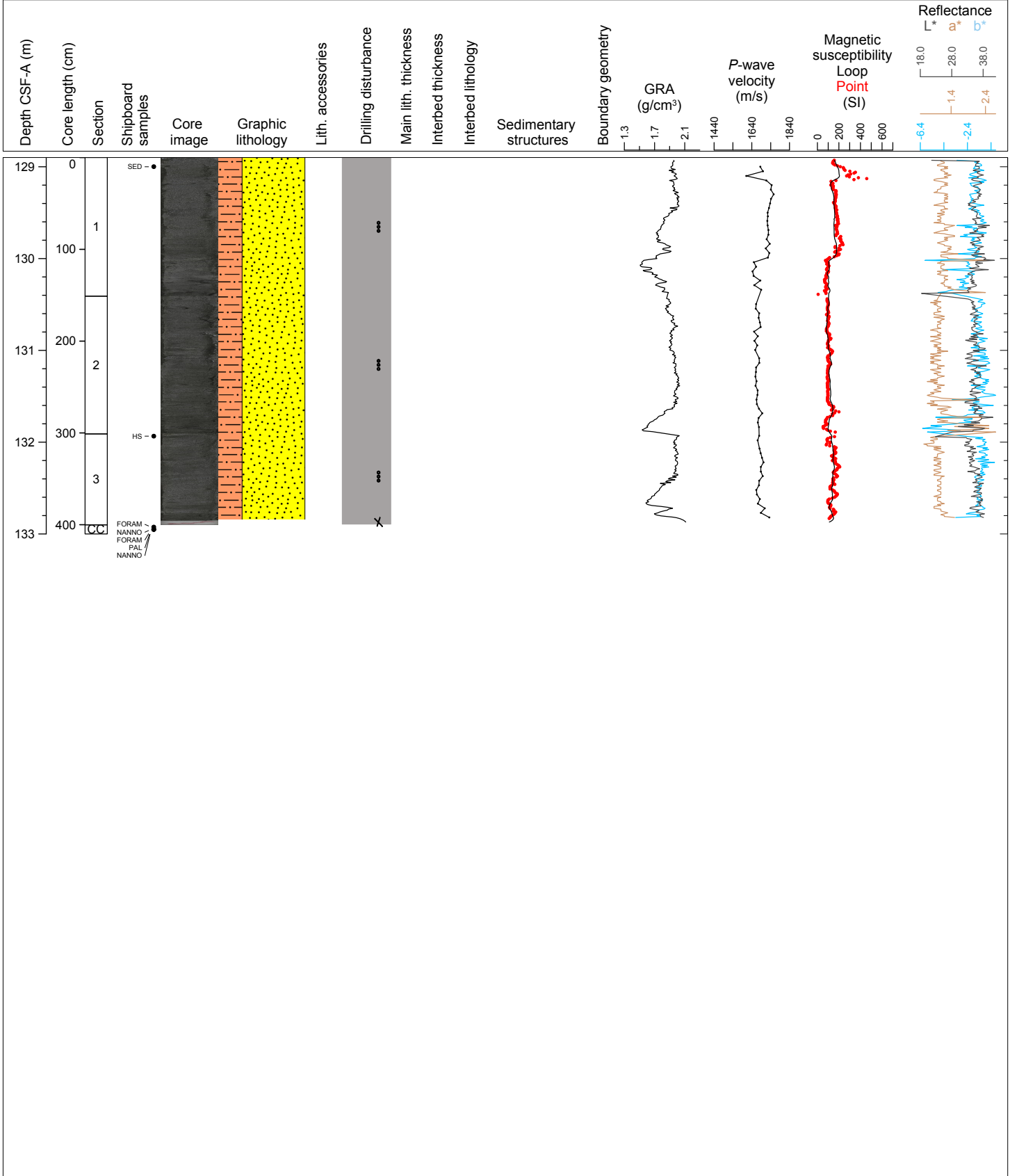
Hole 354-U1454B Core 25F, Interval 124.2-126.72 m (CSF-A)

Major lithology: dark gray fine sand with some shell fragments, soupy texture.



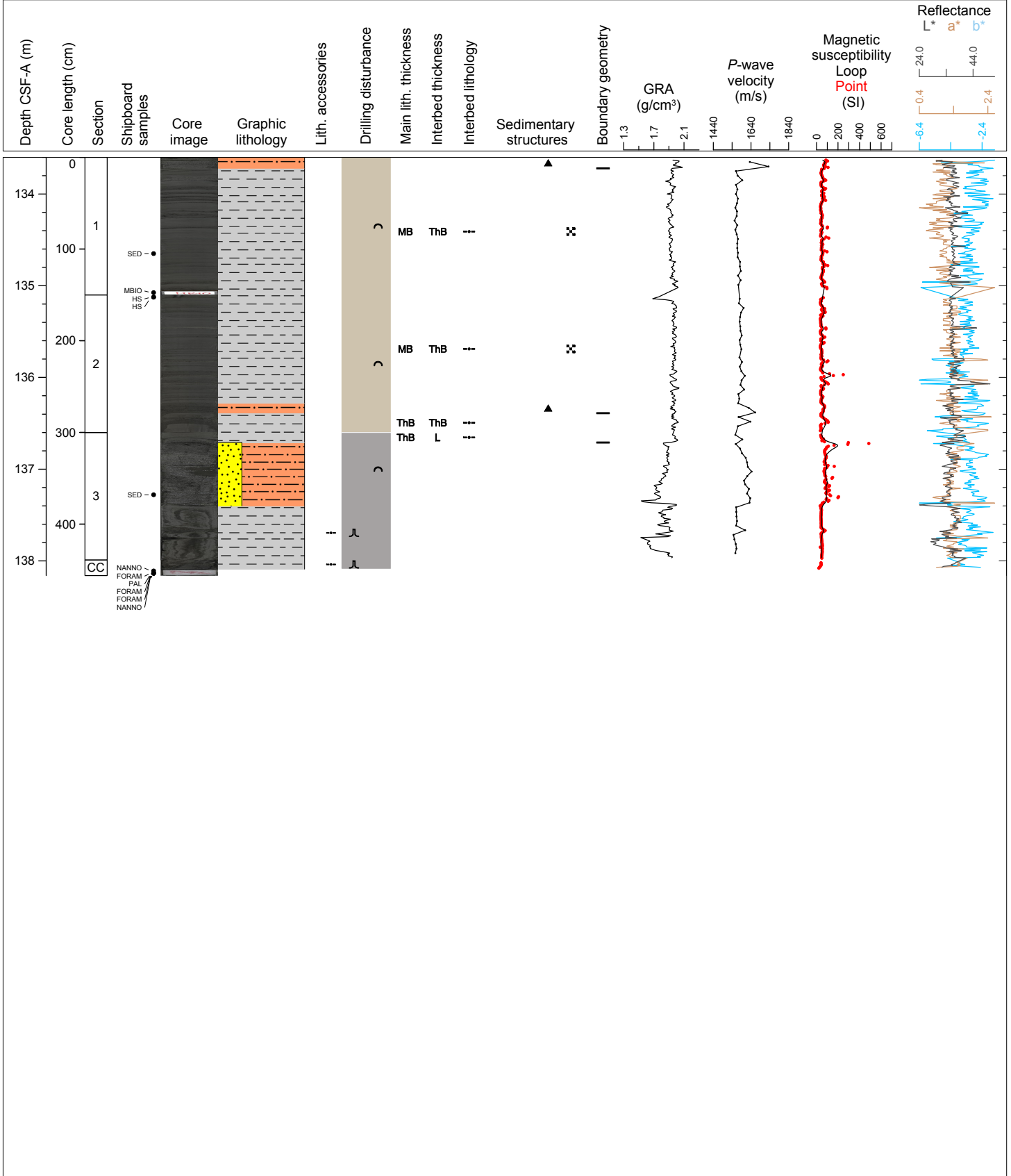
Hole 354-U1454B Core 26F, Interval 128.9-133.0 m (CSF-A)

Major lithology: dark gray silty sand, soupy texture.



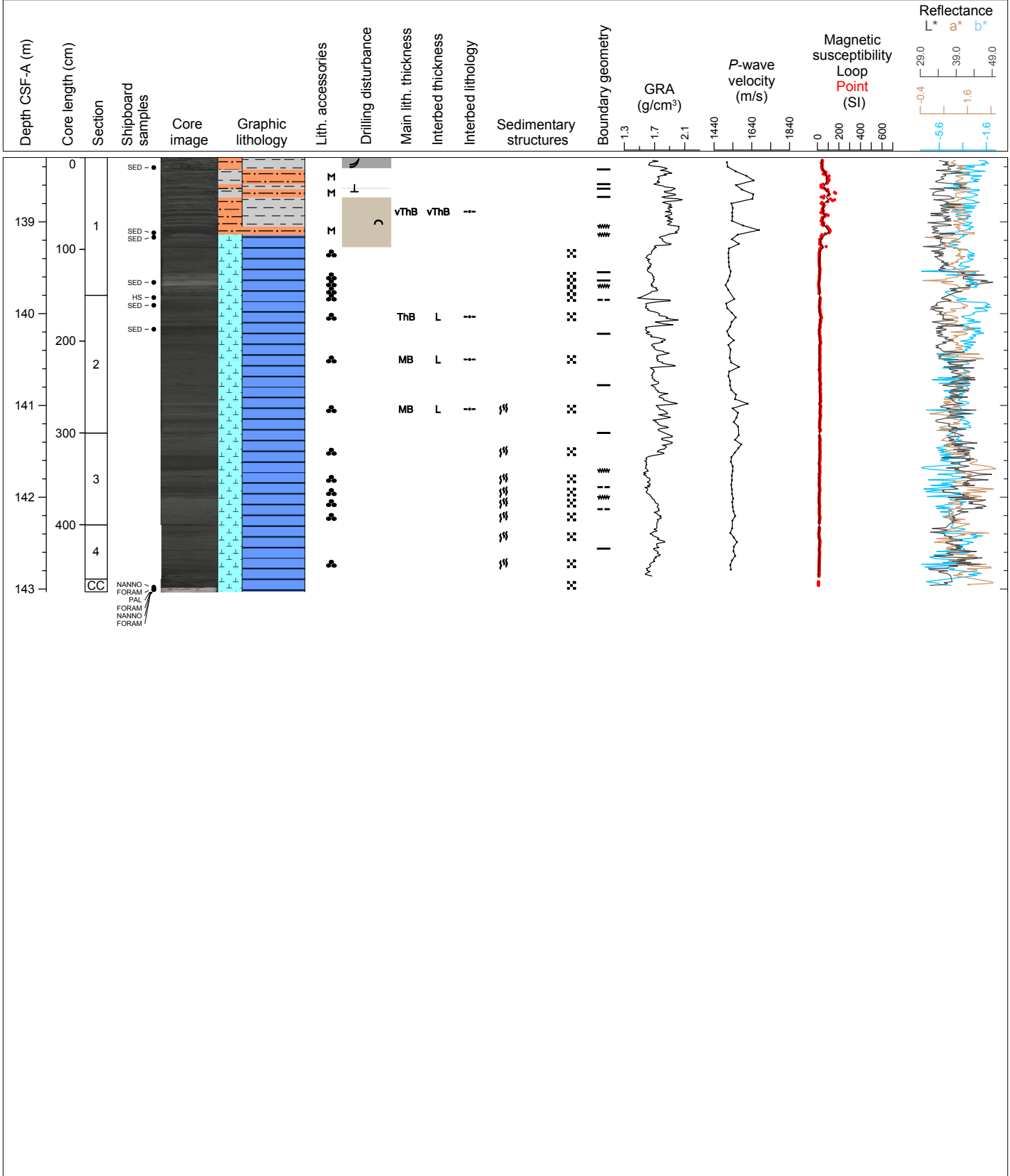
Hole 354-U1454B Core 27F, Interval 133.6-138.16 m (CSF-A)

Major lithology: gray clay with thin silt interbeds; Minor lithology: clay with sand; General comments: succession of mud turbidites, flow-in disturbance at bottom two sections.



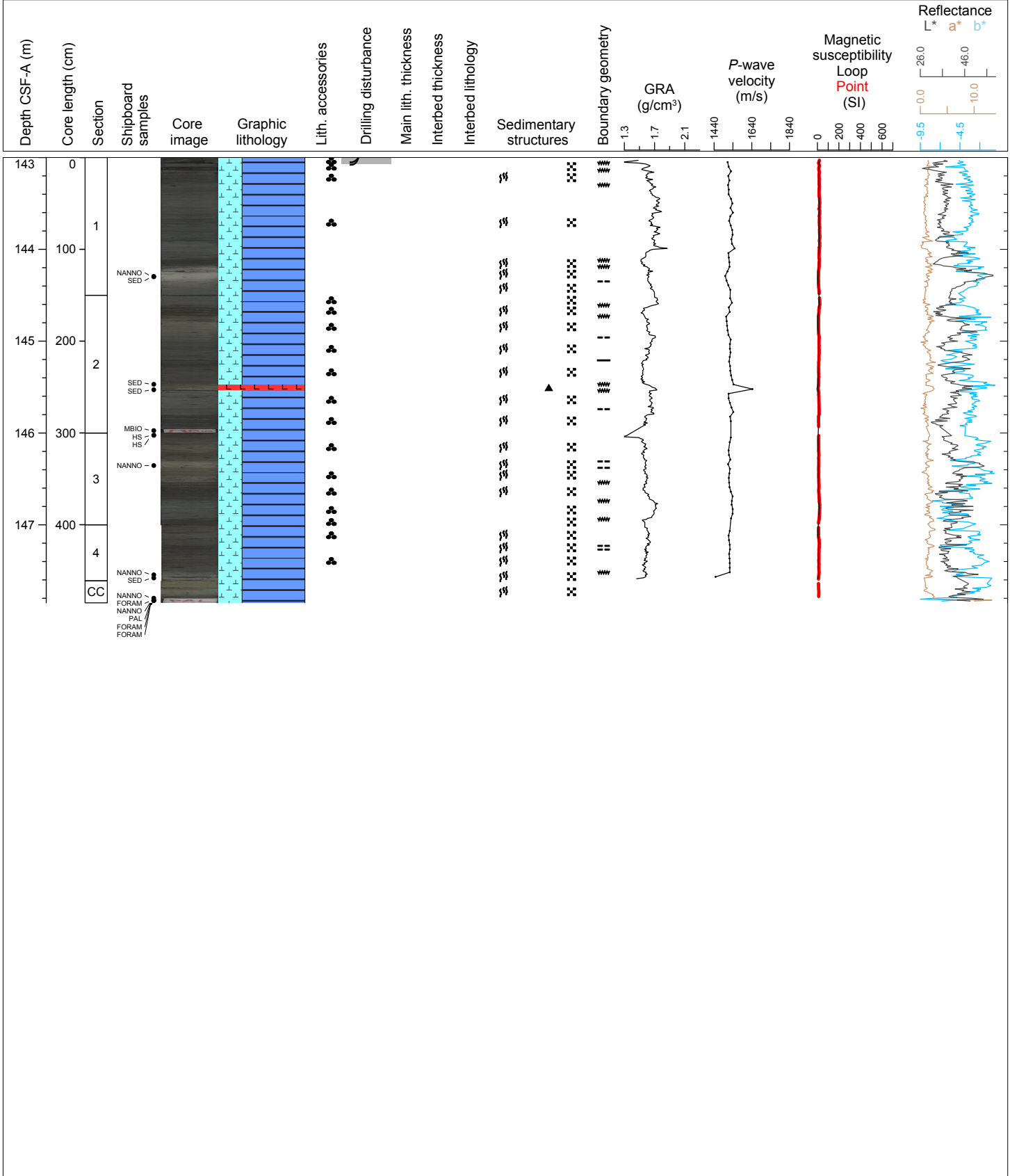
Hole 354-U1454B Core 28F, Interval 138.3-143.03 m (CSF-A)

Major lithology: greenish gray to light gray nannofossil rich calcareous clay with foraminifers; Minor lithology: dark gray silty clay and dark gray clayey silt.



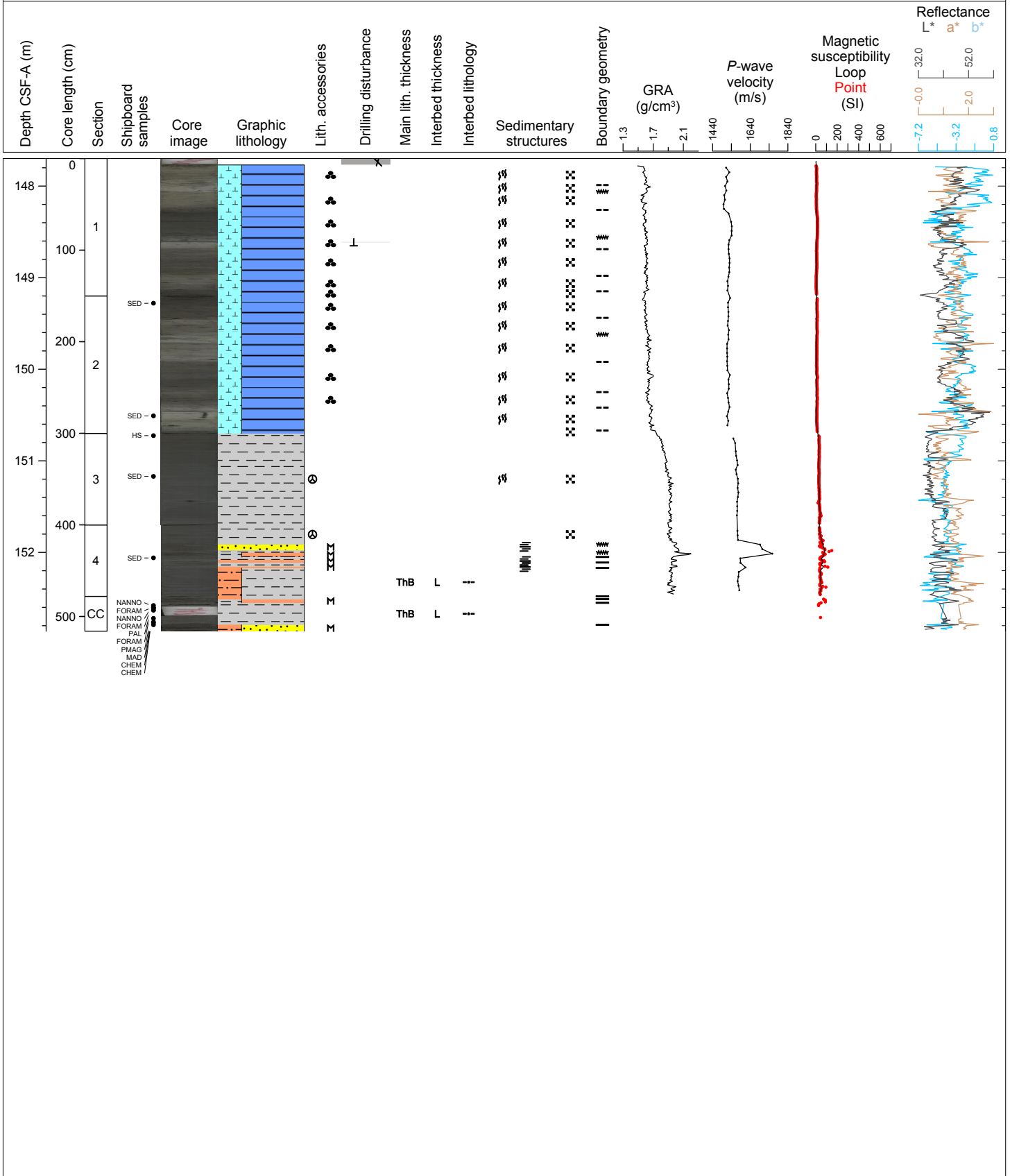
Hole 354-U1454B Core 29F, Interval 143.0-147.85 m (CSF-A)

Major lithology: white, light green to dark green, light gray to dark gray nannofossil rich calcareous clay with foraminifers.



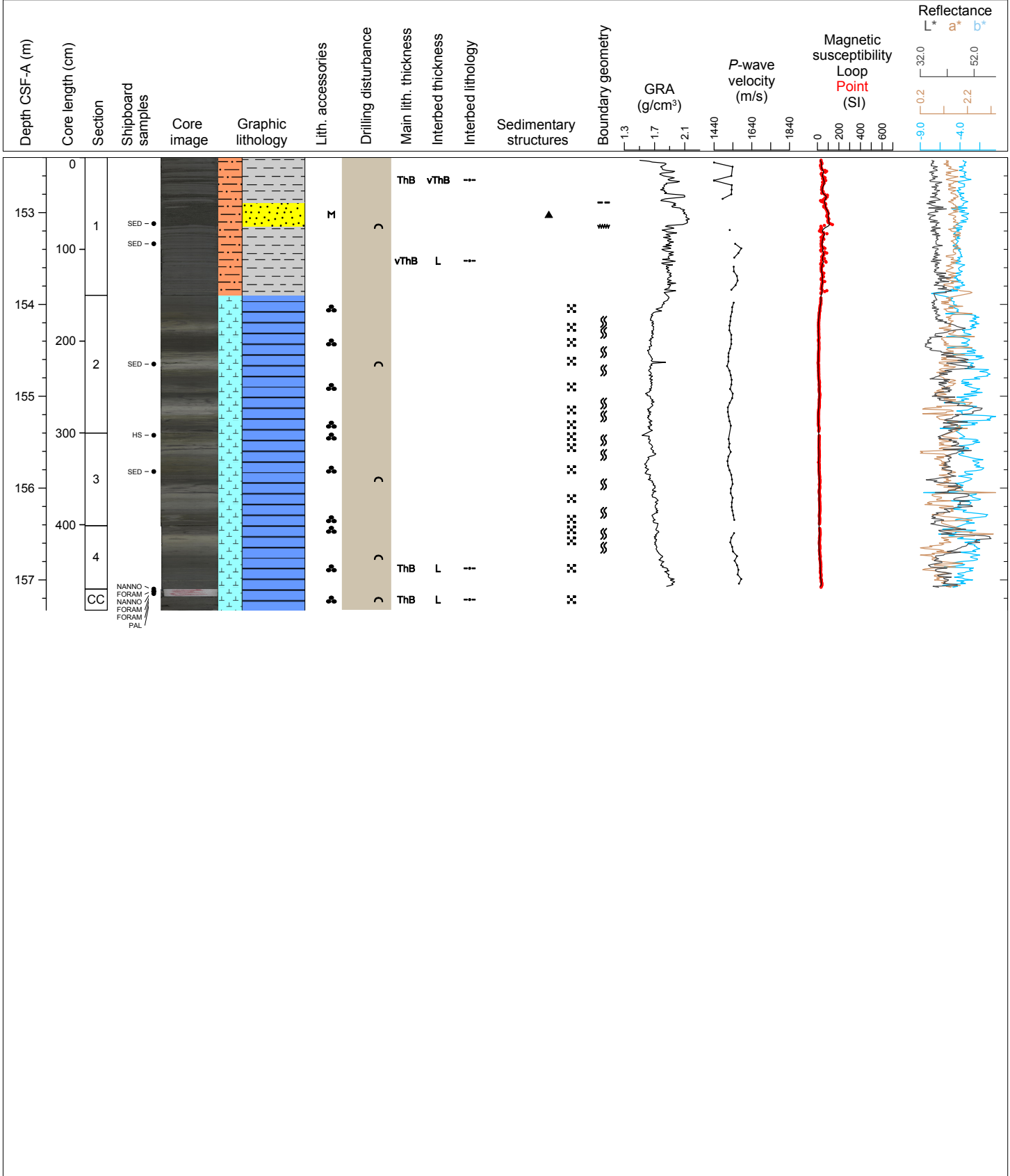
Hole 354-U1454B Core 30F, Interval 147.7-152.86 m (CSF-A)

Major lithology: light gray to dark gray, light green to dark green mottled bioturbated nannofossil rich calcareous clay with foraminifers; Minor lithology: dark gray clay with nannofossils, gray silt with mica,



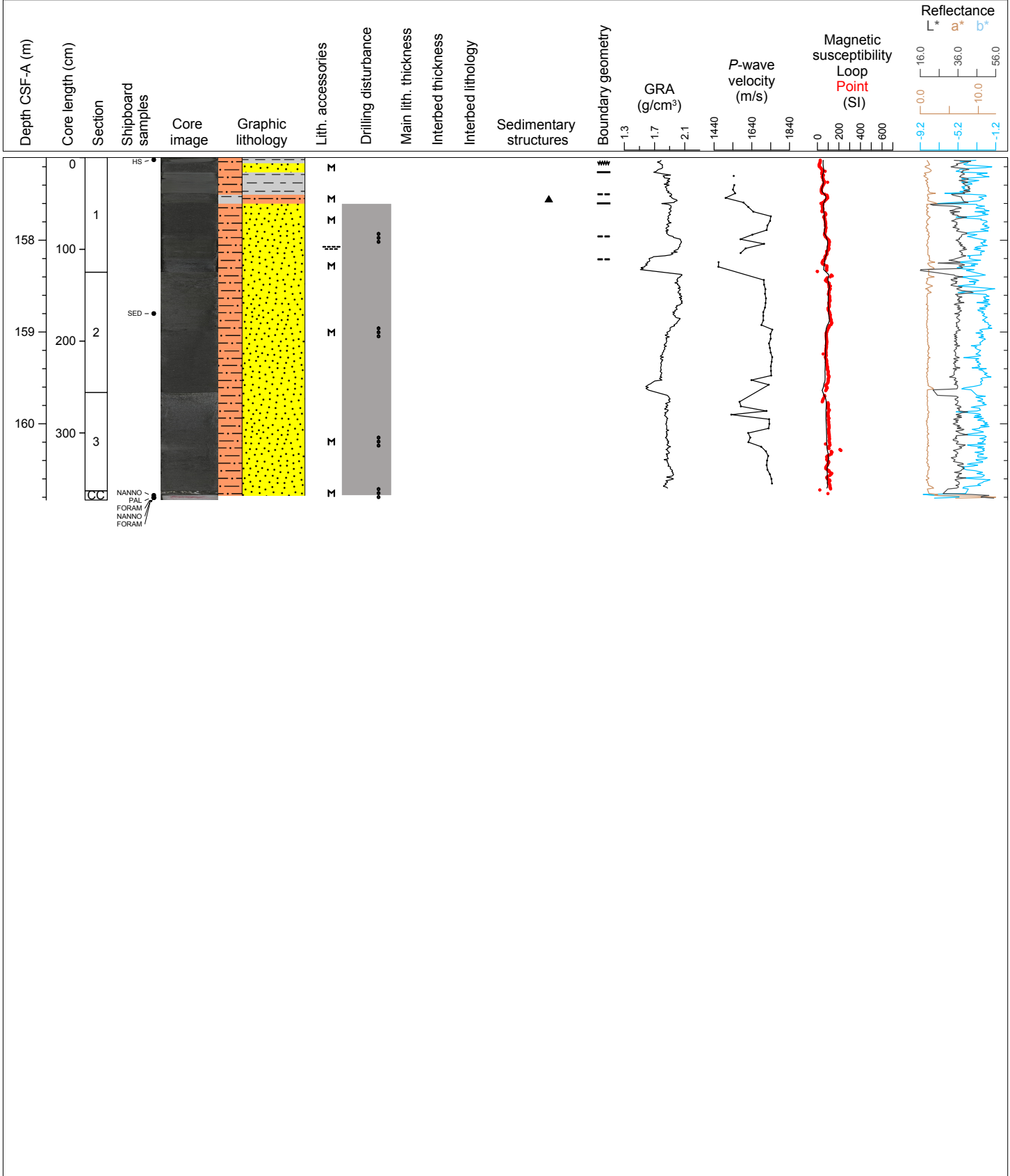
Hole 354-U1454B Core 31F, Interval 152.4-157.33 m (CSF-A)

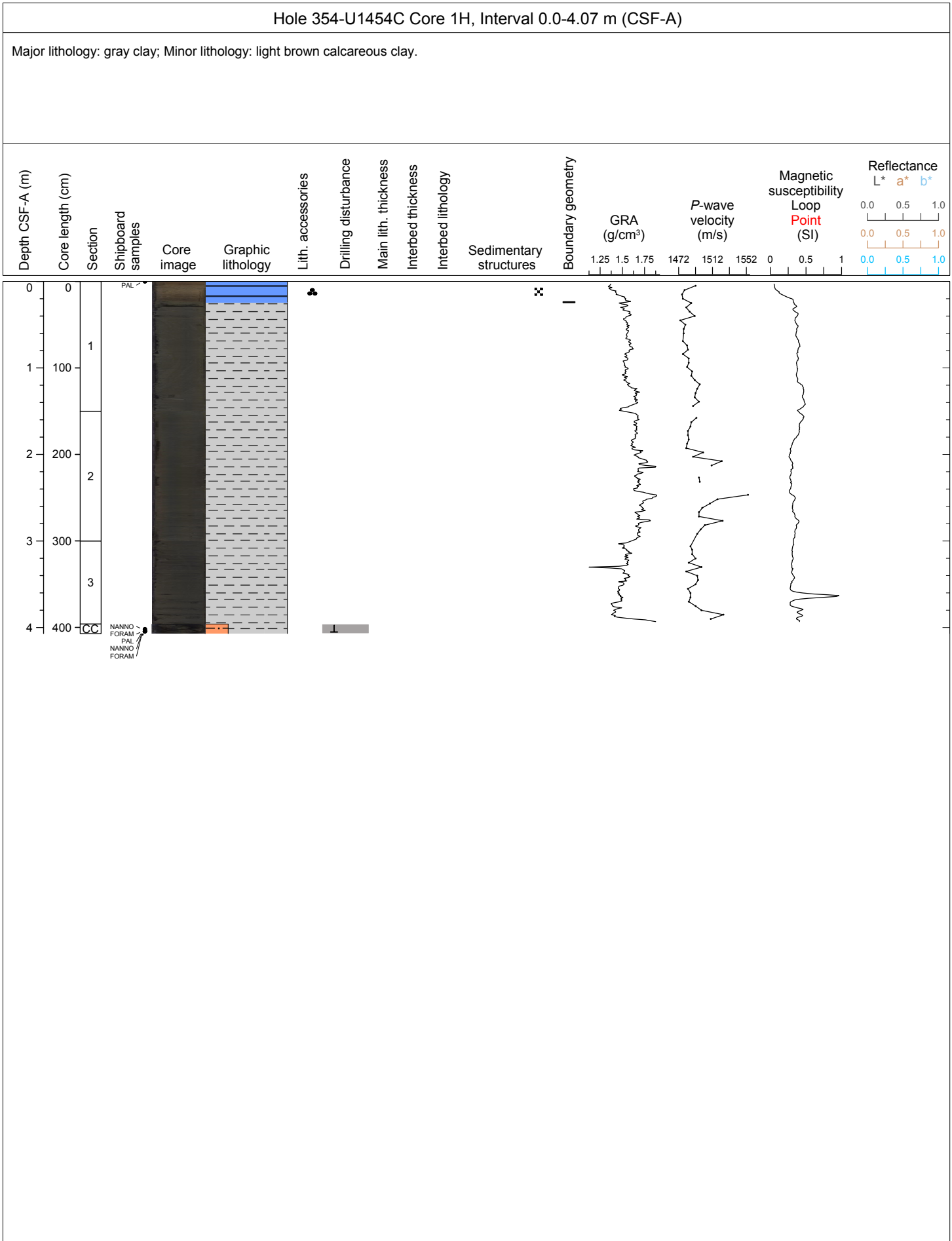
Major lithology: grayish white and light brown nannofossil-rich calcareous clay; Minor lithology: gray clay interbedded with light gray silt (rich in quartz and feldspar and well sorted.)

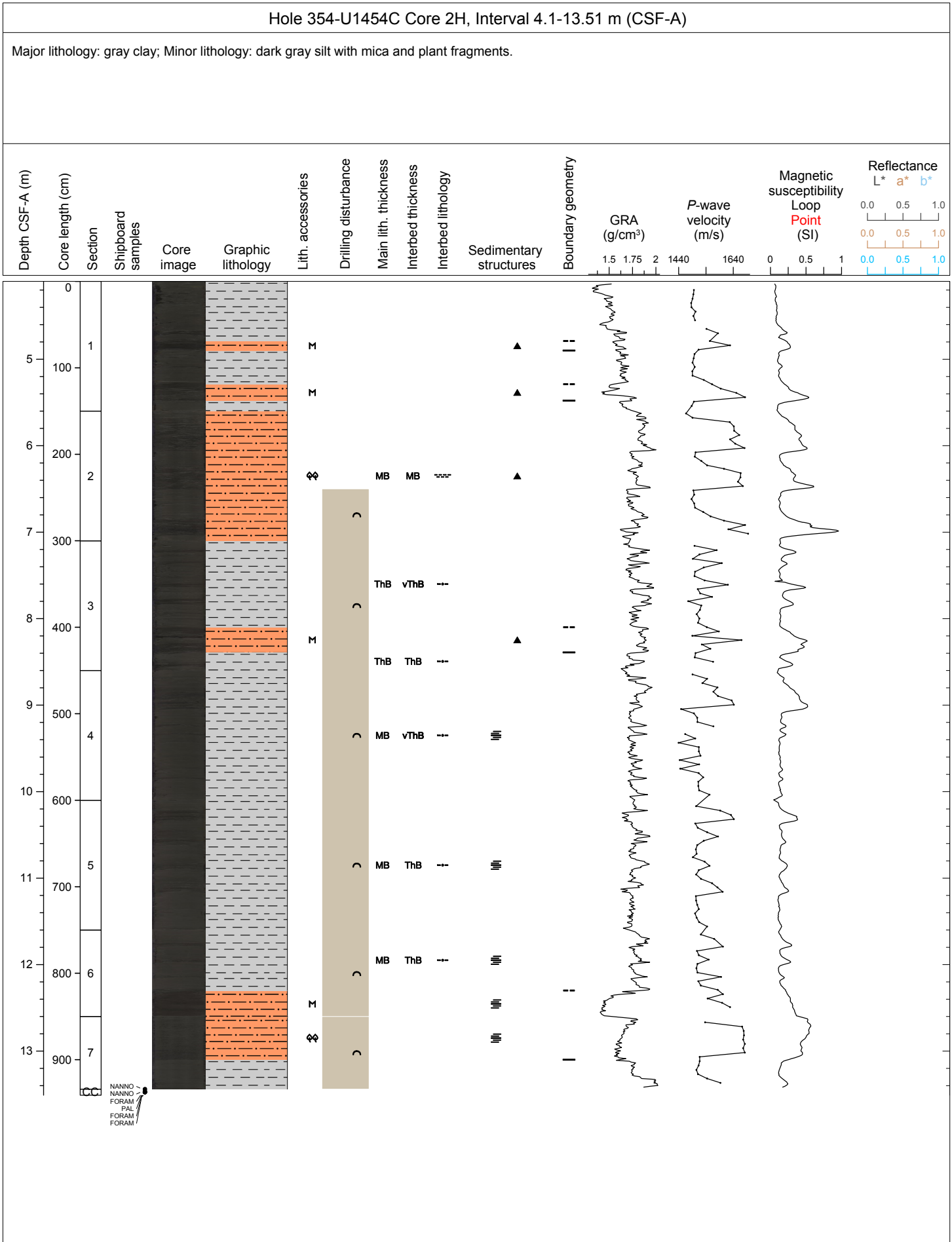


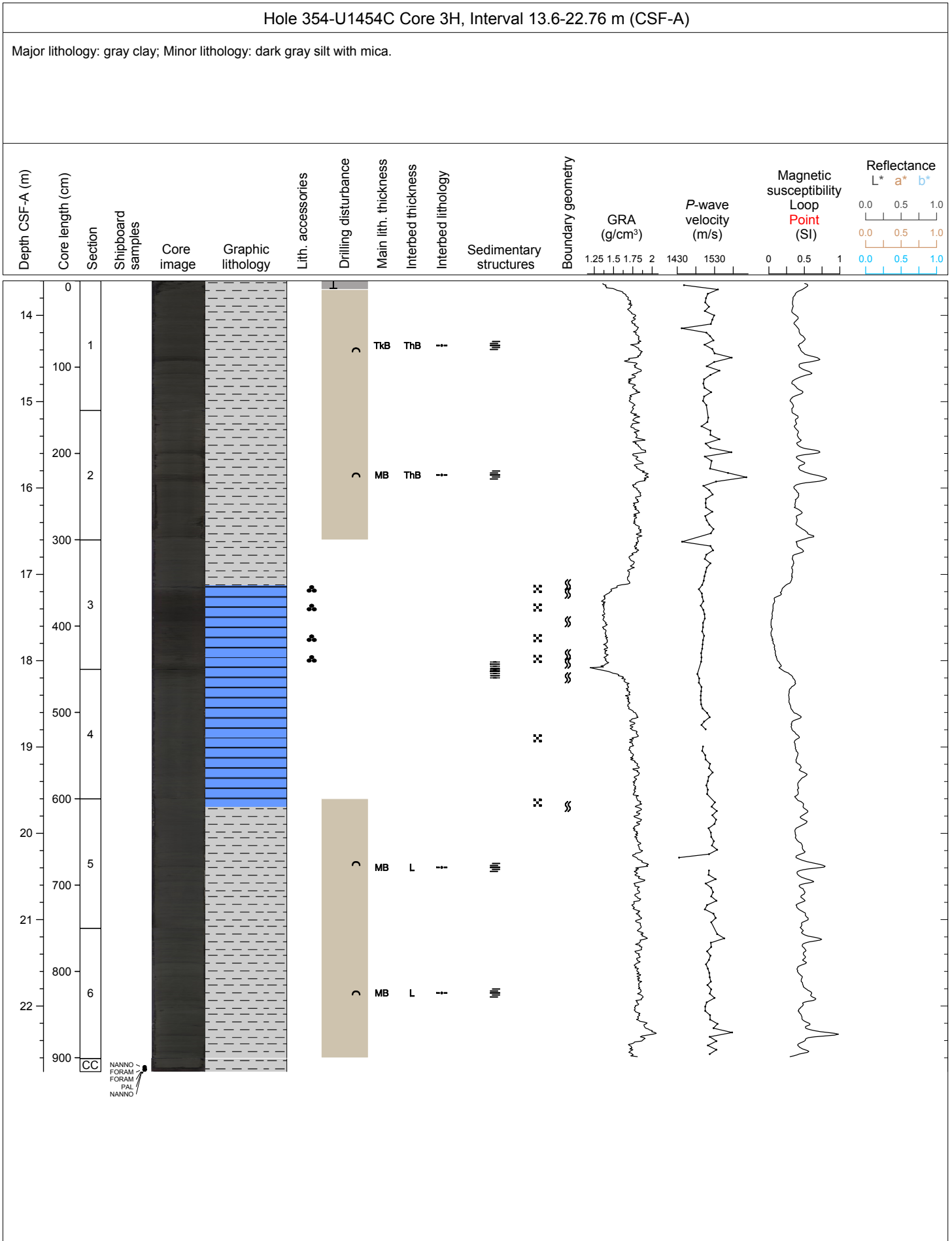
Hole 354-U1454B Core 32F, Interval 157.1-160.83 m (CSF-A)

Major lithology: dark gray silty fine sand with mica; Minor lithology: gray silty clay, dark gray silt with mica.



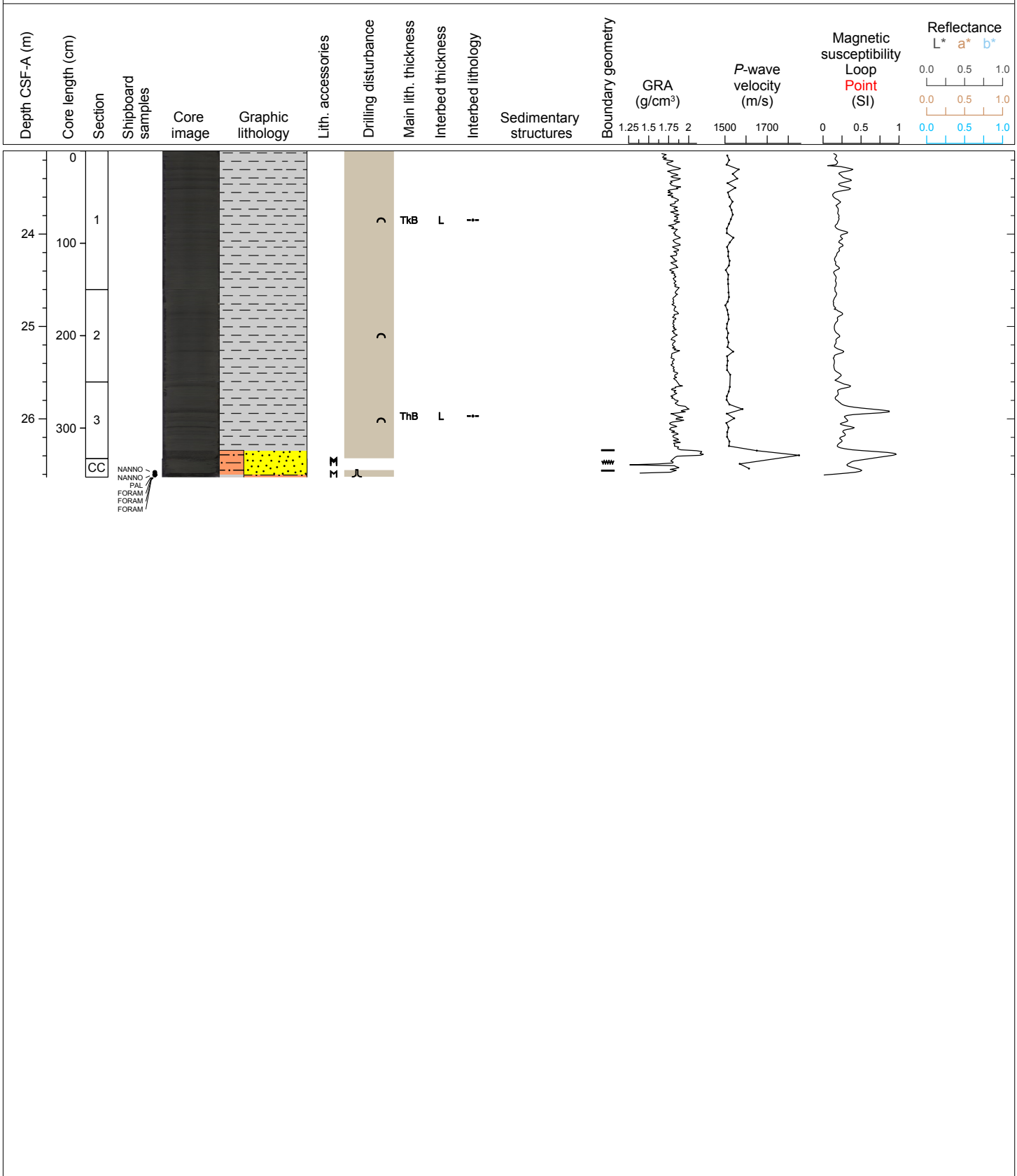






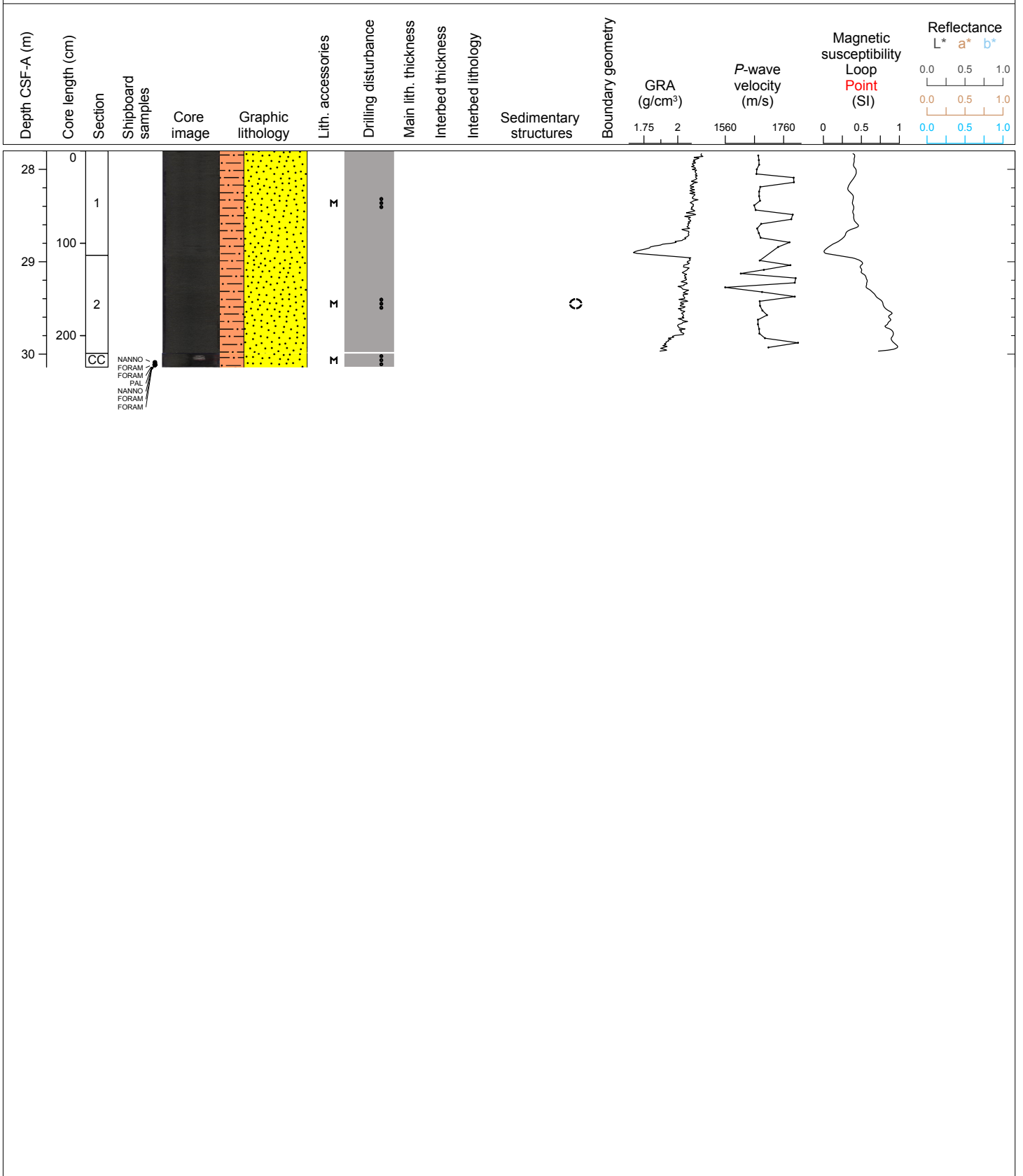
Hole 354-U1454C Core 4F, Interval 23.1-26.63 m (CSF-A)

Major lithology: gray clay; Minor lithology: dark gray silt with mica, dark gray sand with mica.



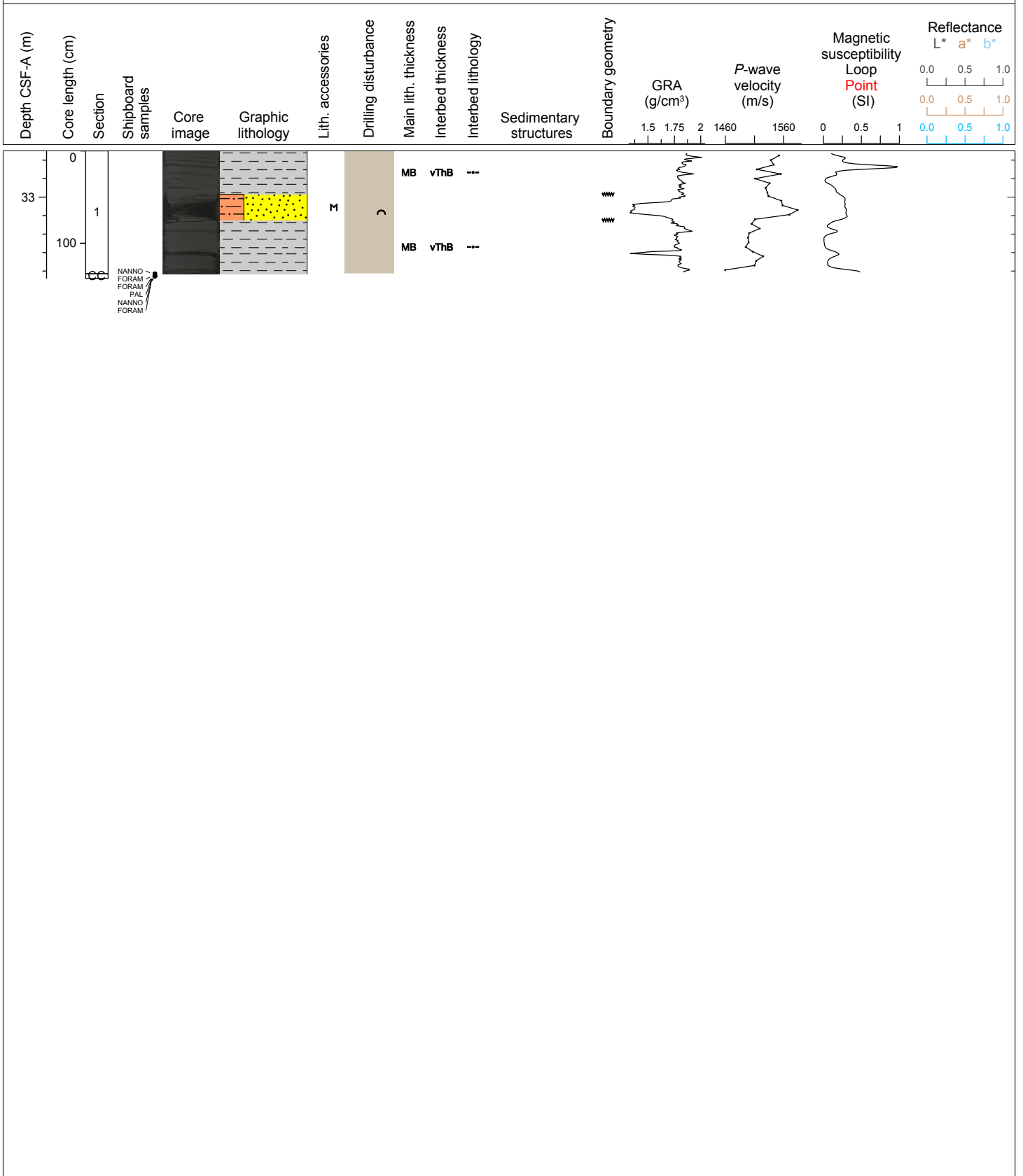
Hole 354-U1454C Core 5F, Interval 27.8-30.14 m (CSF-A)

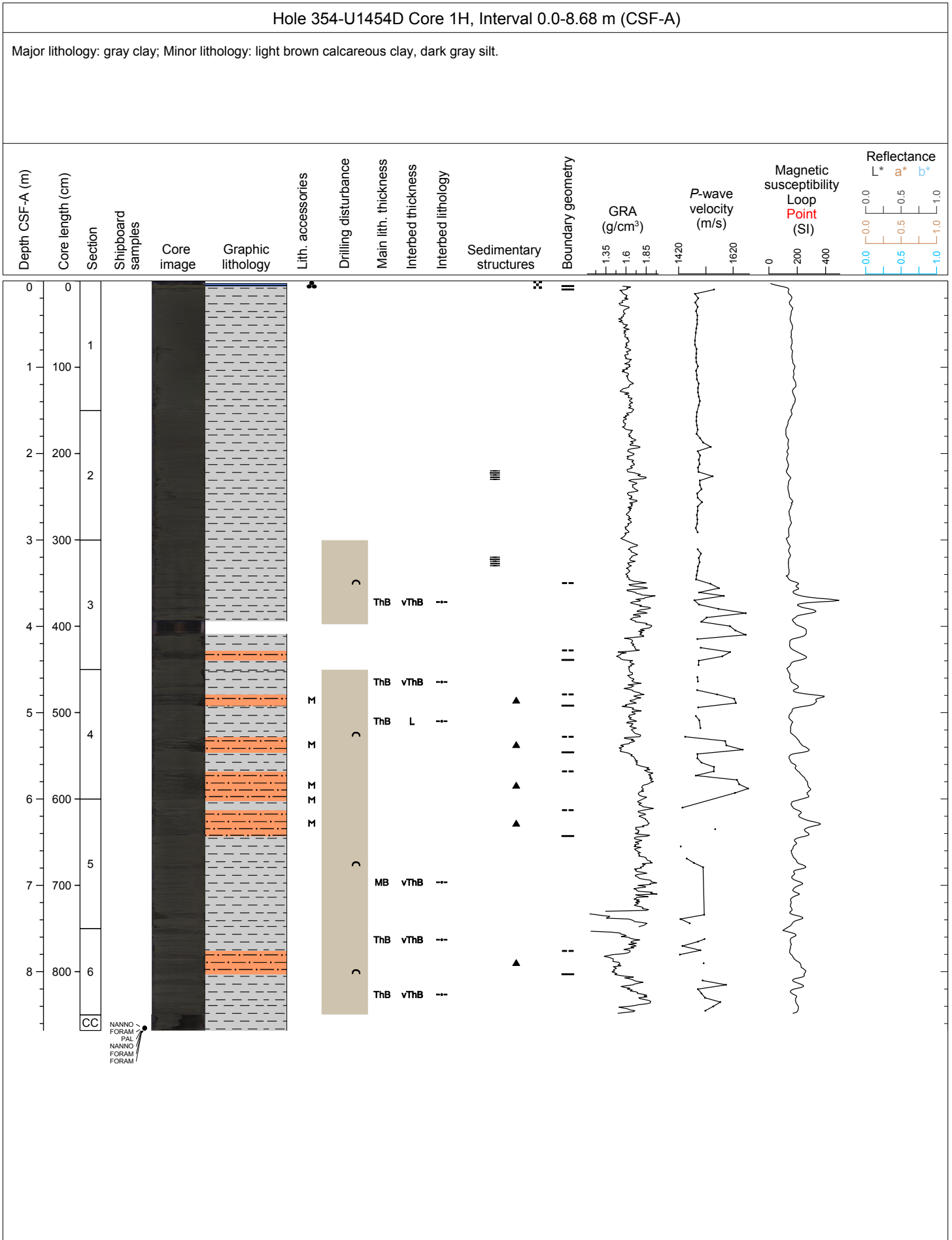
Major lithology: gray sand with mica.

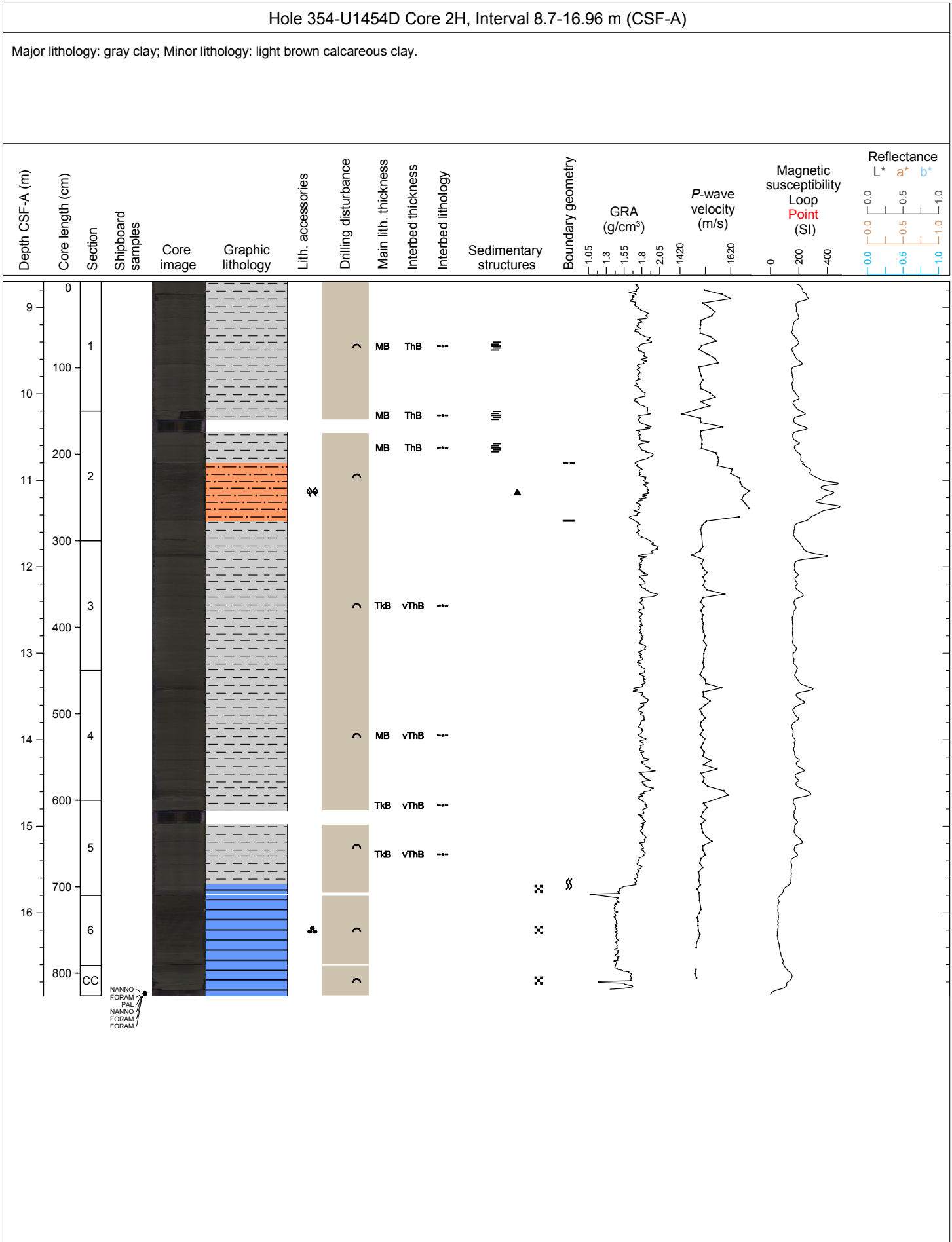


Hole 354-U1454C Core 6F, Interval 32.5-33.88 m (CSF-A)

Major lithology: gray clay; Minor lithology: dark gray silt with mica, gray sand with mica.

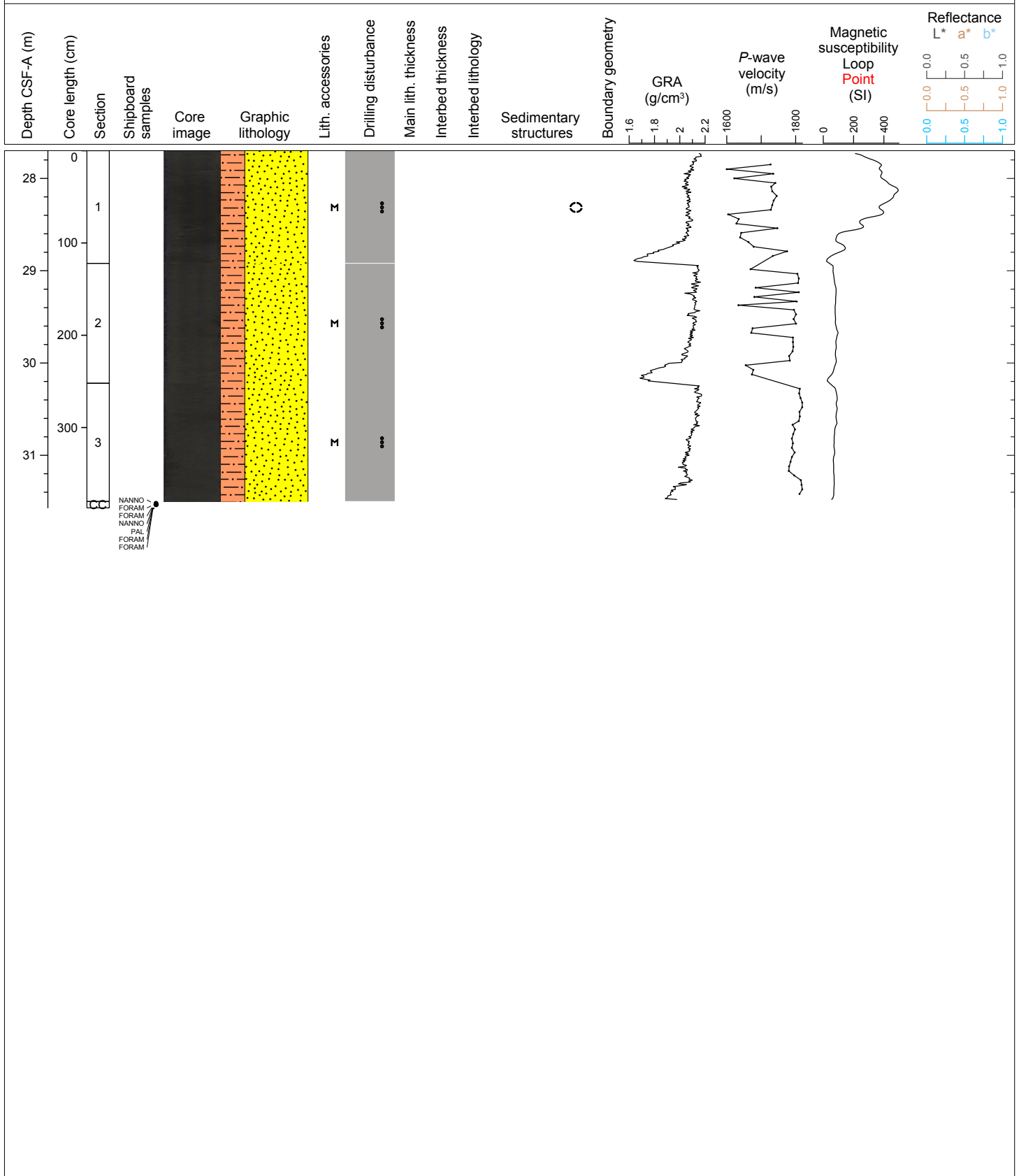






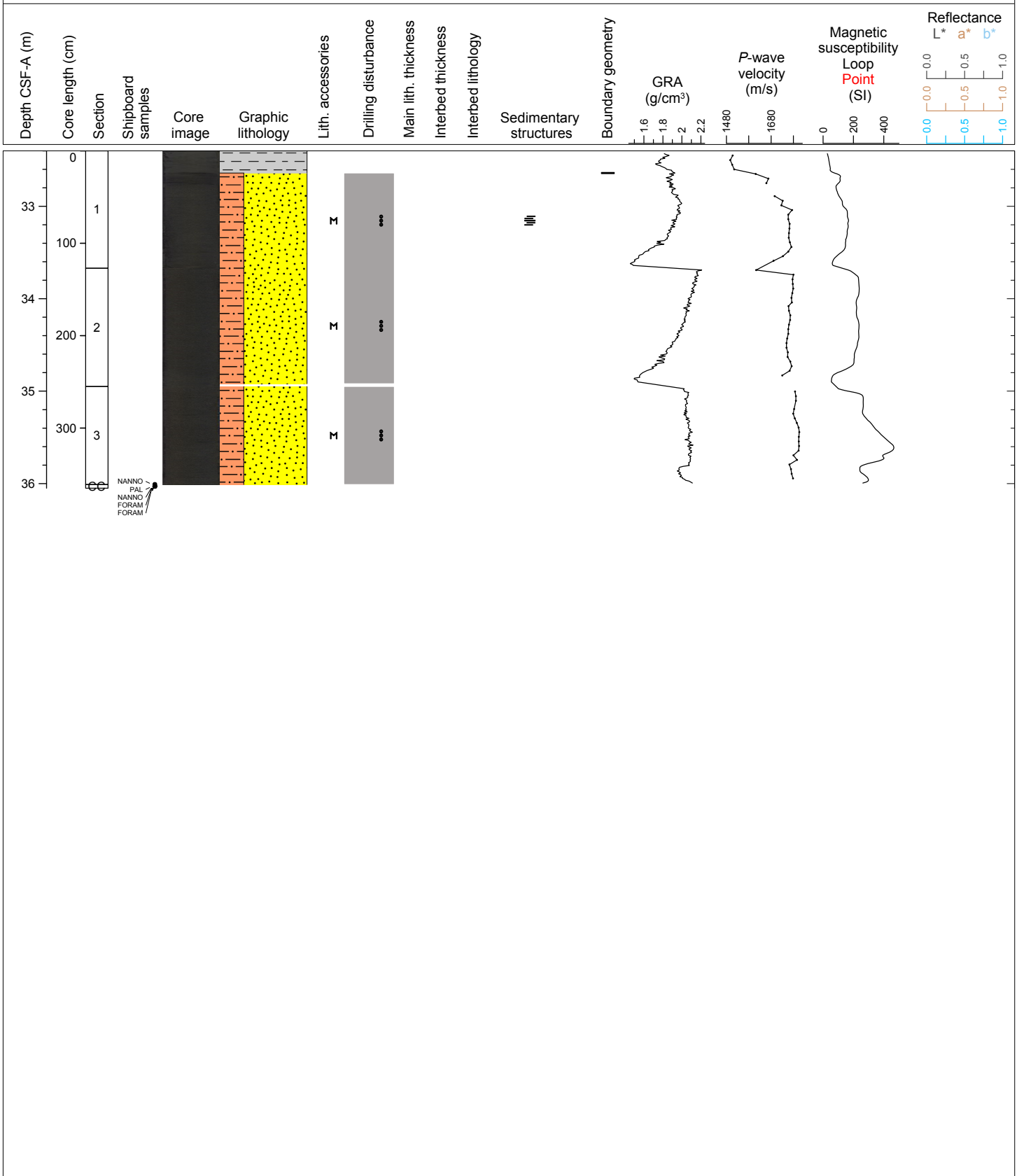
Hole 354-U1454D Core 4F, Interval 27.7-31.57 m (CSF-A)

Major lithology: gray sand with mica.



Hole 354-U1454D Core 5F, Interval 32.4-36.05 m (CSF-A)

Major lithology: gray sand with mica; Minor lithology: gray clay.



Sample	Top Depth [m]	Bottom Depth [m]	Lithology major or minor	Maximum grain size [mm]	Heavy minerals (decreasing abundance)	Sand texture [%]	Silt texture [%]	Clay texture [%]	Quartz [%]	Feldspar [%]	Mica [%]	Heavy minerals [%]	Clay minerals [%]	Glauconite [%]	Fe sulfides (opaques) [%]	Fe-oxides [%]	Chert [%]	Limestone [%]	Volcanic rock [%]	Other lithic grains [%]	Viridic grains [%]	Carbonate authigenic [%]	Foraminifers [%]	Calcareous nanofossils [%]	Pteropod fragments [%]	Other calcareous bioclasts [%]	Radiolarians [%]	Diatoms [%]	Silicoflagellates [%]	Sponge spicule fragments [%]	Other bioturbaceous fossil fragments [%]	Fish debris [%]	Plant debris [%]	Organic matter [%]	Total of group estimates [%]	Lithology prefix	Principal lithology	Lithology suffix	Lithology comment	Smear slide comment	
354-U1454A-1H-1-A 14/14-SED	0.14	0.14	major lithology					100																												clayey	calcareous ooze				
354-U1454A-1H-1-A 81/81-SED	0.81	0.81	major lithology					100																													nannofossil rich	clay			
354-U1454A-1H-4-A 62/62-SED	5.12	5.12	major lithology			10	60	30																												clayey	silt	with sponge spicules		forams, plant fragments.	
354-U1454A-1H-6-A 3/3-SED	6.93	6.93	major lithology	0.3	opaque minerals, amphibole, tourmaline, pyroxenes, zircon, garnet, rutile, sphene, sillimanite,	60	30	10	58	14	8	7																								sandy	silt			foram, nannofossils	

Sample	Top Depth [m]	Bottom Depth [m]	Lithology major or minor	Maximum grain size [mm]	Heavy minerals (decreasing abundance)	Sand texture [%]	Silt texture [%]	Clay texture [%]	Quartz [%]	Feldspar [%]	Mica [%]	Heavy minerals [%]	Clay minerals [%]	Glauconite [%]	Fe sulfides (apatites) [%]	Fe-oxides [%]	Chert [%]	Limestone [%]	Volcanic rock [%]	Other lithic grains [%]	Vitric grains [%]	Carbonate authigenic [%]	Foraminifers [%]	Calcareous nannofossils [%]	Pteropod fragments [%]	Other calcareous bioclasts [%]	Radiolarians [%]	Diatoms [%]	Silicoflagellates [%]	Sponge spicule fragments [%]	Other biotaceous fossil fragments [%]	Fish debris [%]	Plant debris [%]	Organic matter [%]	Total of group estimates [%]	Lithology prefix	Principal lithology	Lithology suffix	Lithology comment	Smear slide comment																		
354-U1454B-28F-1-A 82/82-SED	139.12	139.12	major lithology	0.59	opq, amphibole, garnet, zoisite, clinozoisite, pyroxene, sphene, rutile, zircon, apatite, sillimanite, staurolite?	60	35	15	69	20	6	1			2																						calcareous clay			radiolarians, few plant fragments																		
354-U1454B-28F-1-A 87/87-SED	139.17	139.17	major lithology																																			silty	calcareous clay	with nannofossils																		
354-U1454B-28F-2-A 11/11-SED	139.91	139.91	major lithology																																						foram fragments, radiolarians, detrital mica minerals, quartz and feldspars																	
354-U1454B-28F-2-A 37/37-SED	140.17	140.17	major lithology																																						radiolarians rich	calcareous clay				radiolarians, few plant fragments												
354-U1454B-29F-1-A 130/130-SED	144.3	144.3	major lithology																																							radiolarians																
354-U1454B-29F-2-A 103/103-SED	145.53	145.53	minor lithology																																							glass shards; 0.02-0.50 mm in diameter, platy and strands shaped, slightly altered, change to clay minerals; phenocrysts are mainly quartz and minor biotite, very minor feldspar and hornblende																
354-U1454B-29F-2-A 103/103-SED	145.53	145.53																																								volcanic ash																
354-U1454B-29F-2-A 97/97-SED	145.47	145.47	minor lithology																																								calcareous clay				radiolarians											
354-U1454B-29F-4-A 58/58-SED	147.58	147.58	major lithology																																									calcareous clay				radiolarians										
354-U1454B-30F-2-A 131/131-SED	150.51	150.51	major lithology																																										calcareous clay													
354-U1454B-30F-2-A 8/8-SED	149.28	149.28	major lithology																																											nannofossil rich	calcareous clay											
354-U1454B-30F-3-A 47/47-SED	151.17	151.17	major lithology																																												clay					few nanno						
354-U1454B-30F-4-A 36/36-SED	152.06	152.06		0.53	opq, amphibole, garnet, zoisite, clinozoisite, tourmaline, zircon, epidote, rutile, sphene, sillimanite, chrolitoid	70	20	10	73	21	3	1																																		clay					few nanno							
354-U1454B-31F-1-A 72/72-SED	153.12	153.12	major lithology	0.39	opq, amphibole, garnet, zoisite, epidote, clinozoisite, tourmaline, sillimanite, chrolitoid, rutile, sphene	50	30	20	75	21	1	1																																				calcareous clay										
354-U1454B-31F-1-A 94/94-SED	153.34	153.34	minor lithology																																															calcareous clay								
354-U1454B-31F-2-A 75/75-SED	154.65	154.65	major lithology																																															sandy	silt	with nannofossils			few forams			
354-U1454B-31F-3-A 42/42-SED	155.82	155.82	major lithology																																															sandy	silt	with nannofossils						
354-U1454B-32F-2-A 45/45-SED	158.8	158.8	major lithology	0.46	opq, amphibole, garnet, zoisite, sphene, clinozoisite, epidote, zircon, rutile, sillimanite, chrolitoid	35	30	35	72	20	2	2																																									sandy	silt				