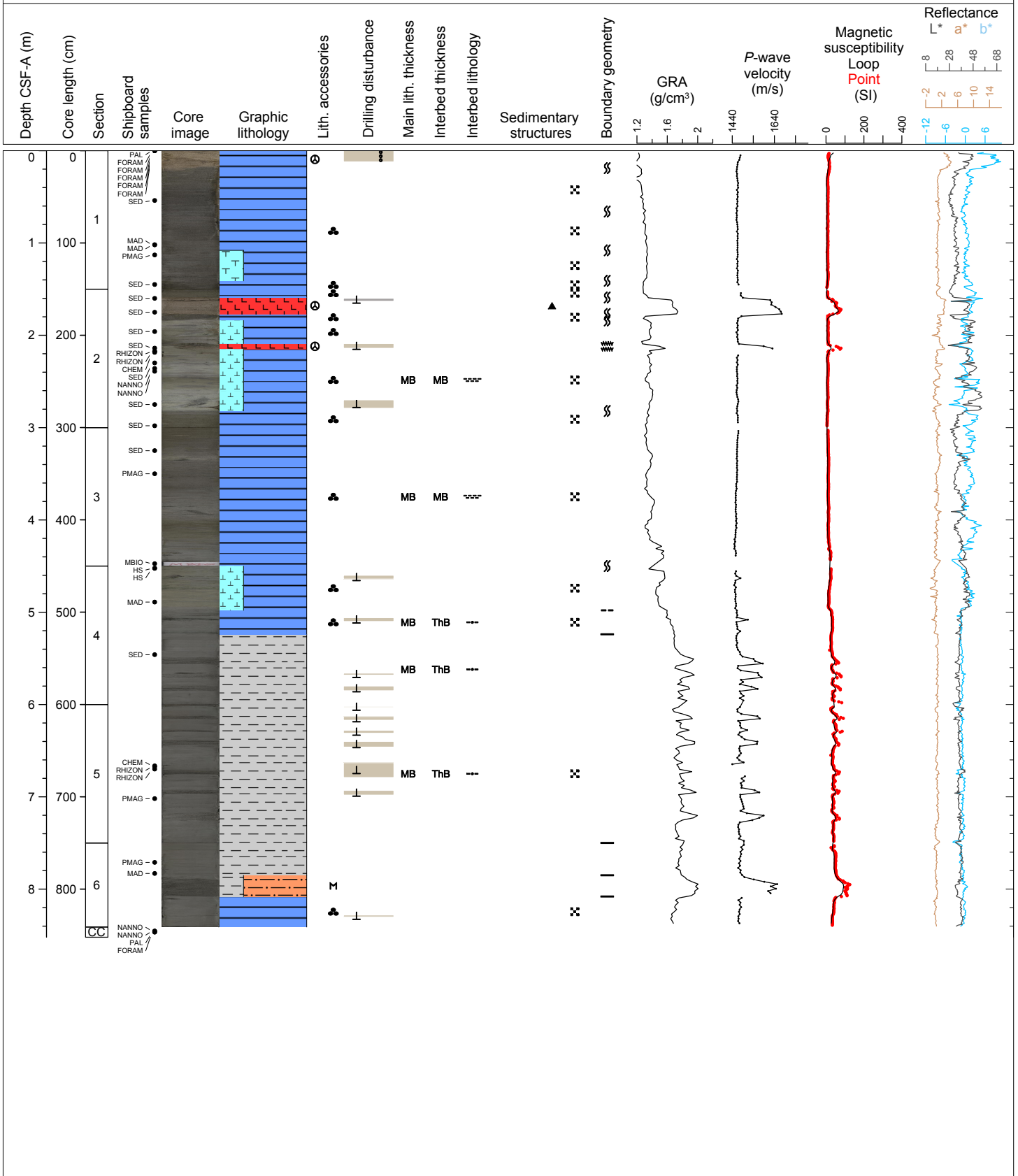
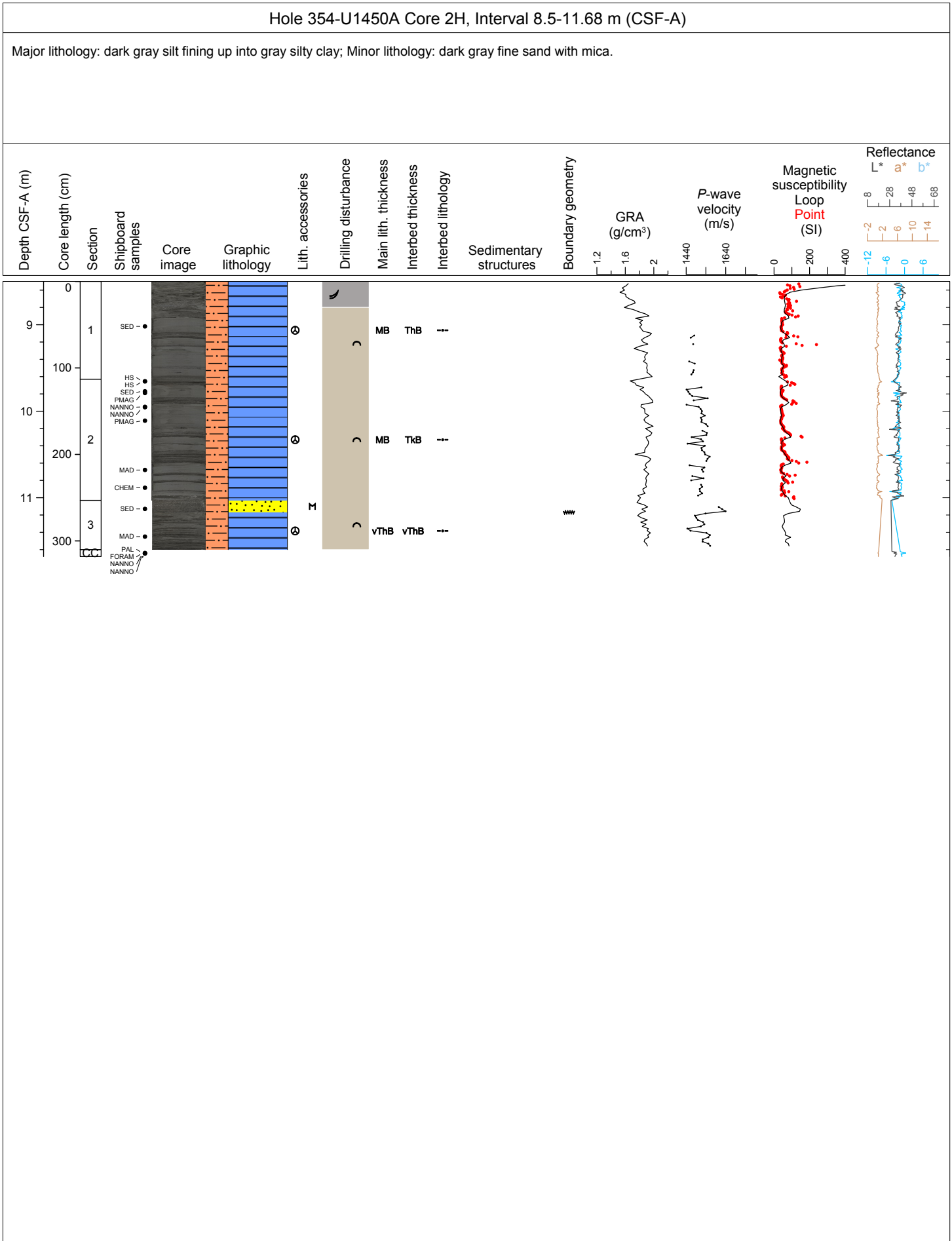
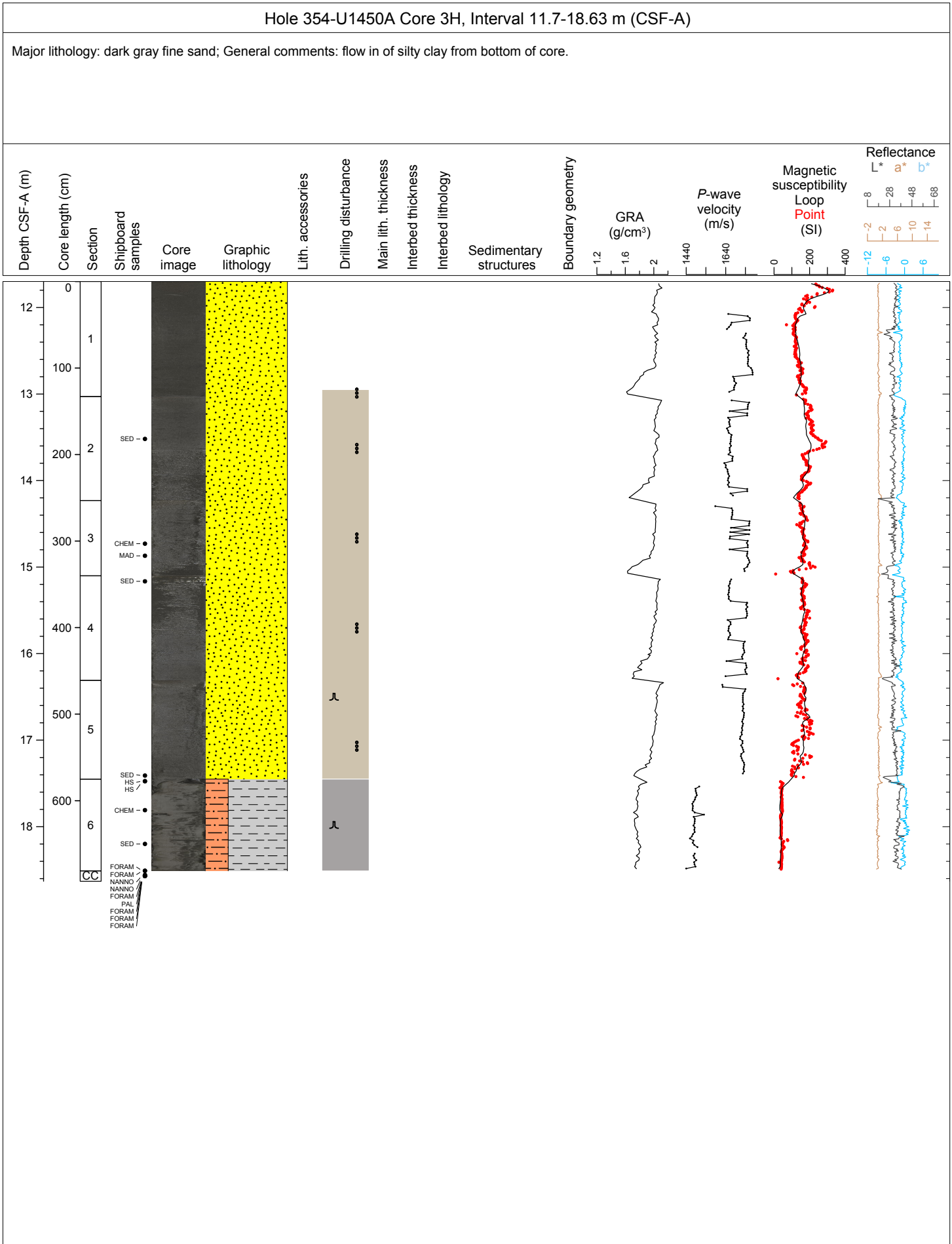


Hole 354-U1450A Core 1H, Interval 0.0-8.52 m (CSF-A)

Major lithology: calcareous clay with foraminifers and nannofossils; Minor lithology: dark gray clay and silt with micas and foraminifers, light brown volcanic ash.

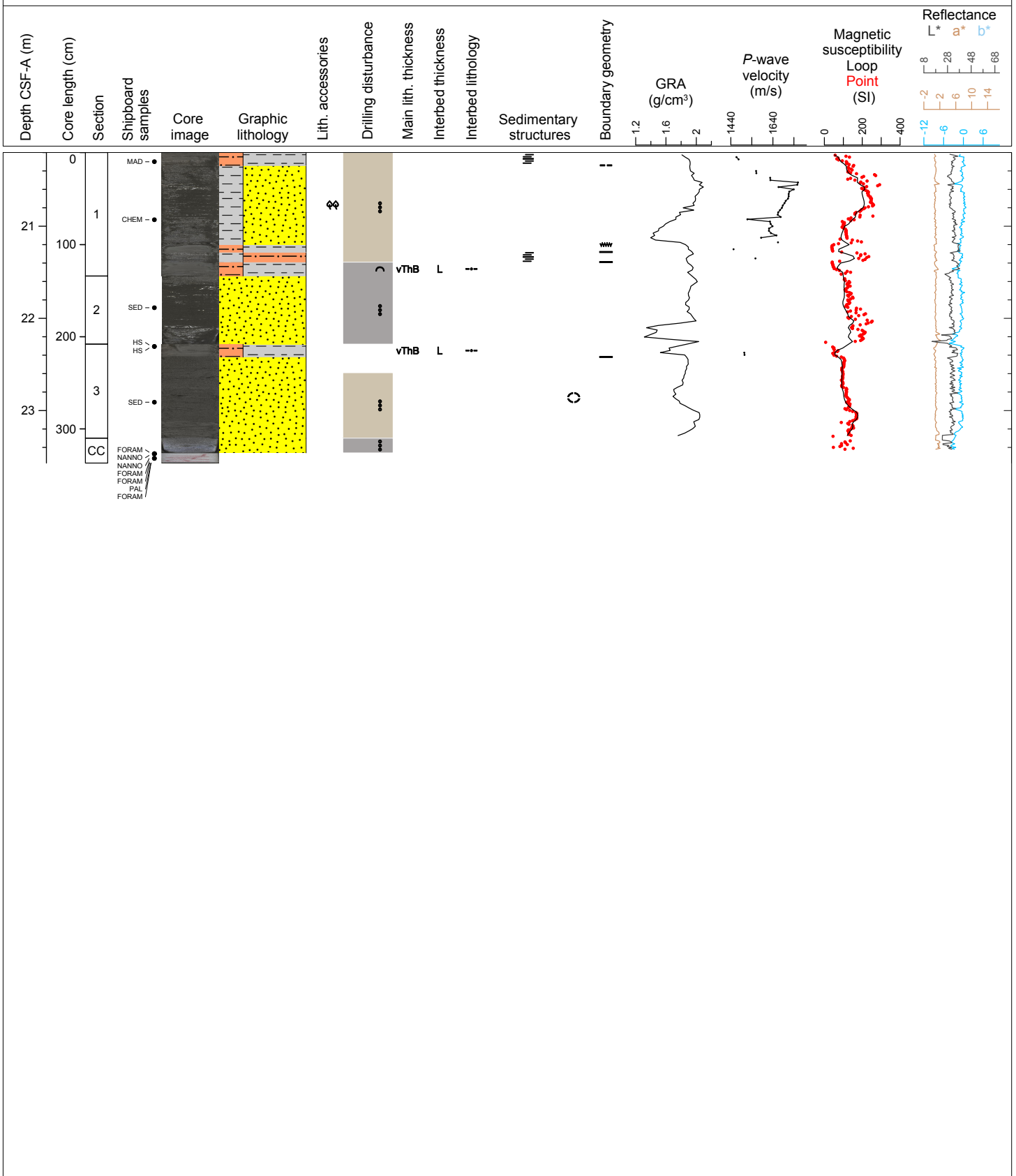






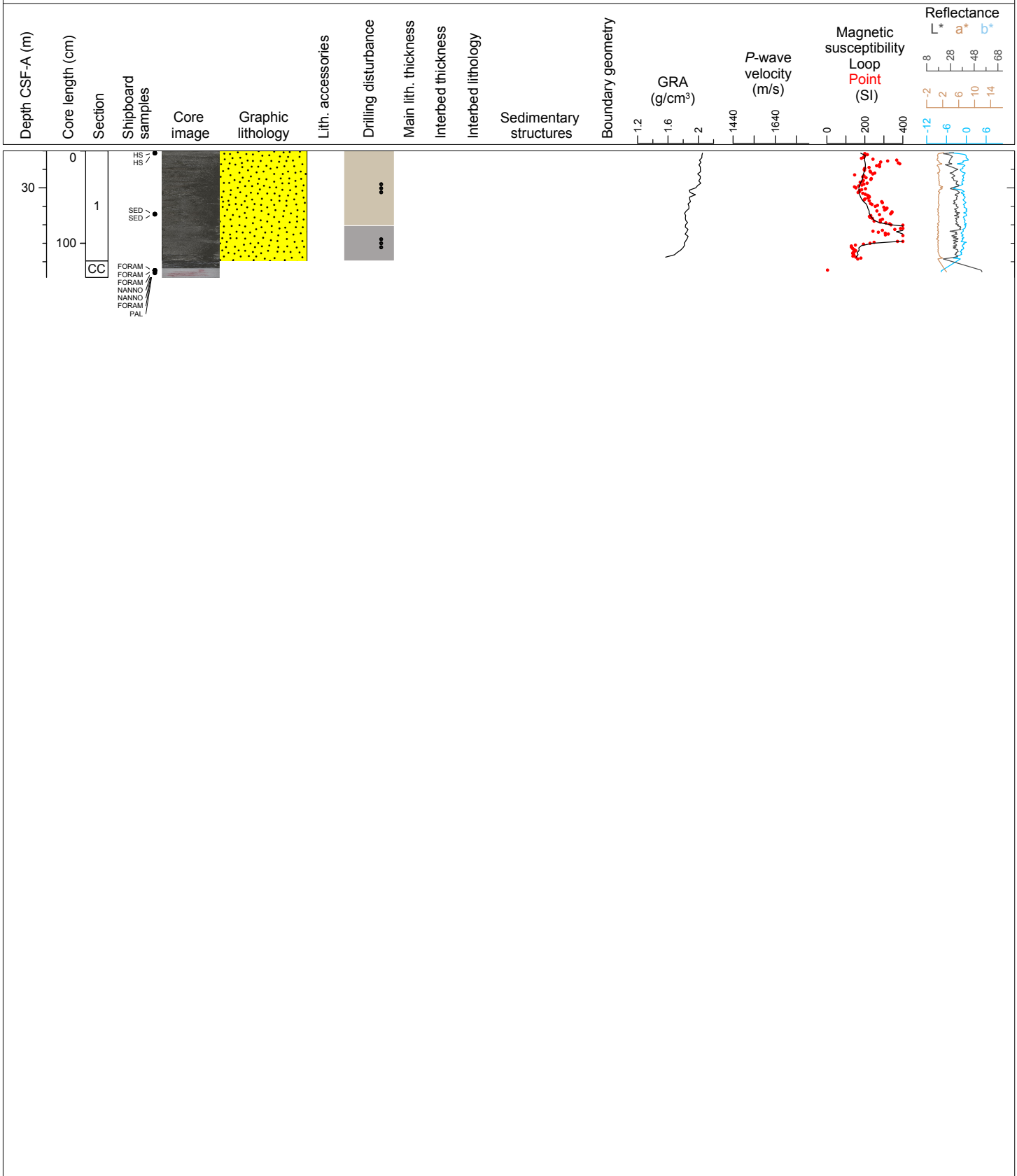
Hole 354-U1450A Core 4F, Interval 20.2-23.57 m (CSF-A)

Major lithology: dark gray fine sand; Minor lithology: gray silty clay; General comments: wood debris interval in Section 4F-1 at 100 cm at the contact between clay and sand deposit.



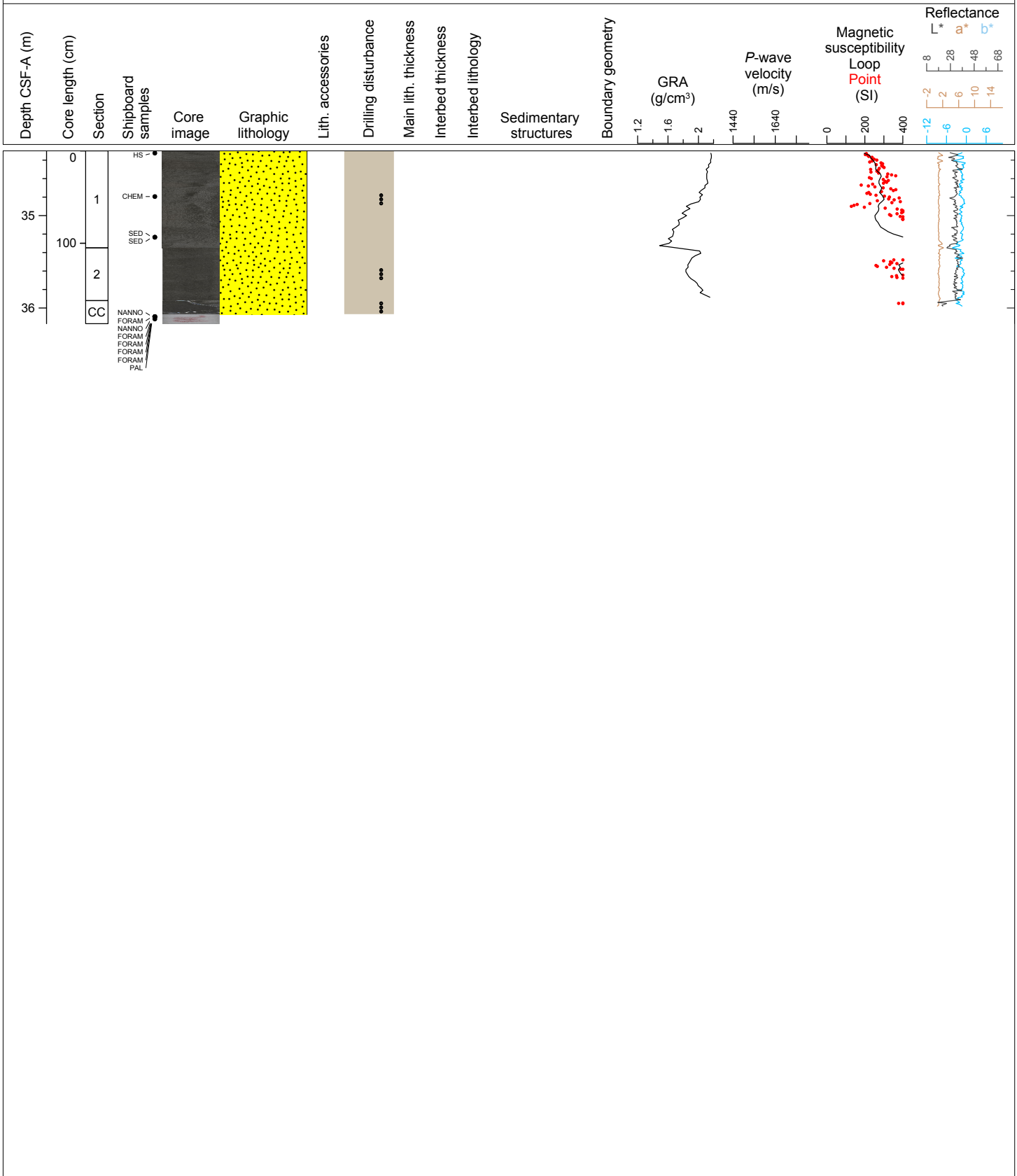
Hole 354-U1450A Core 6F, Interval 29.6-30.97 m (CSF-A)

Major lithology: dark gray fine sand.



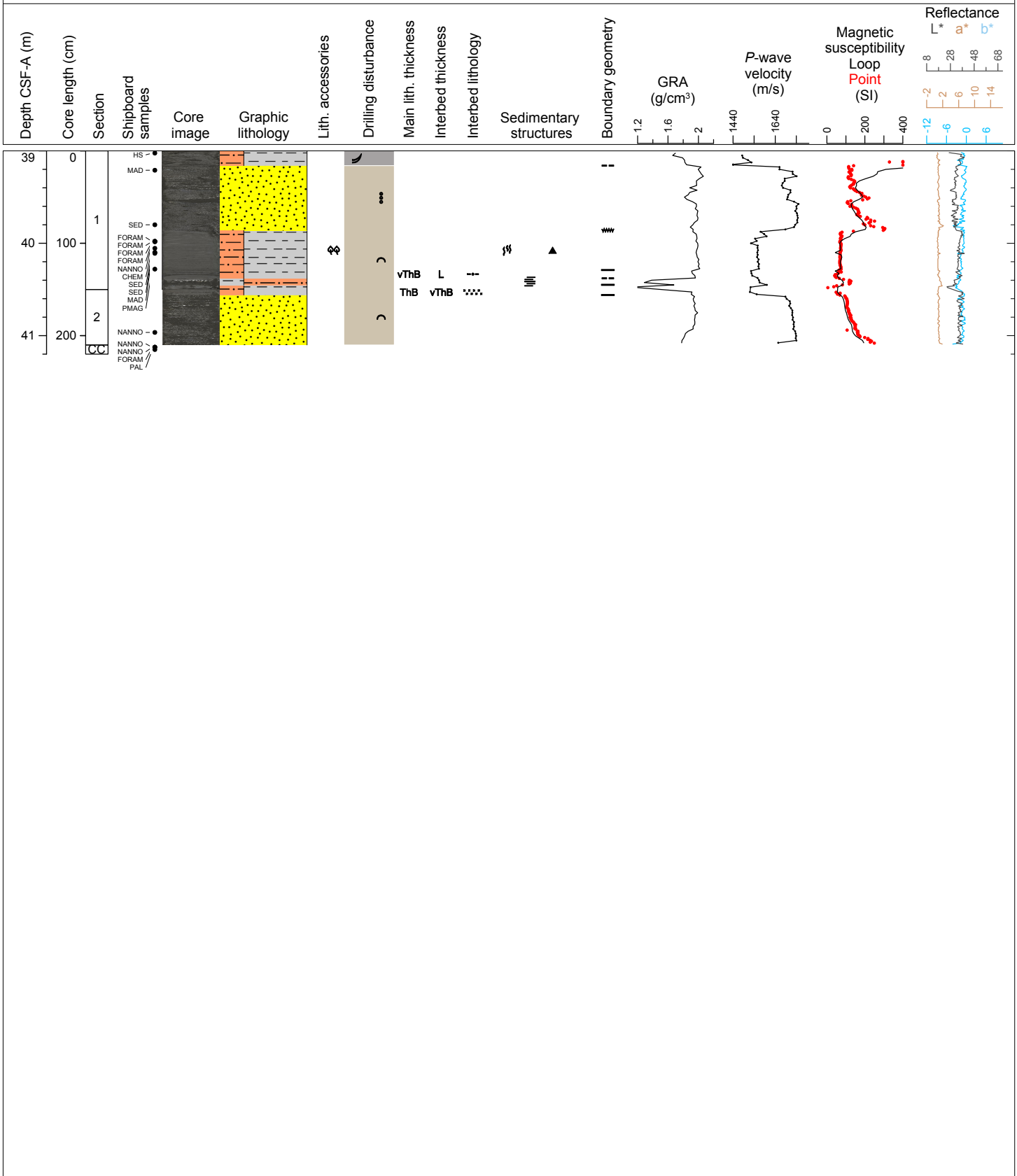
Hole 354-U1450A Core 7F, Interval 34.3-36.17 m (CSF-A)

Major lithology: dark gray fine sand.



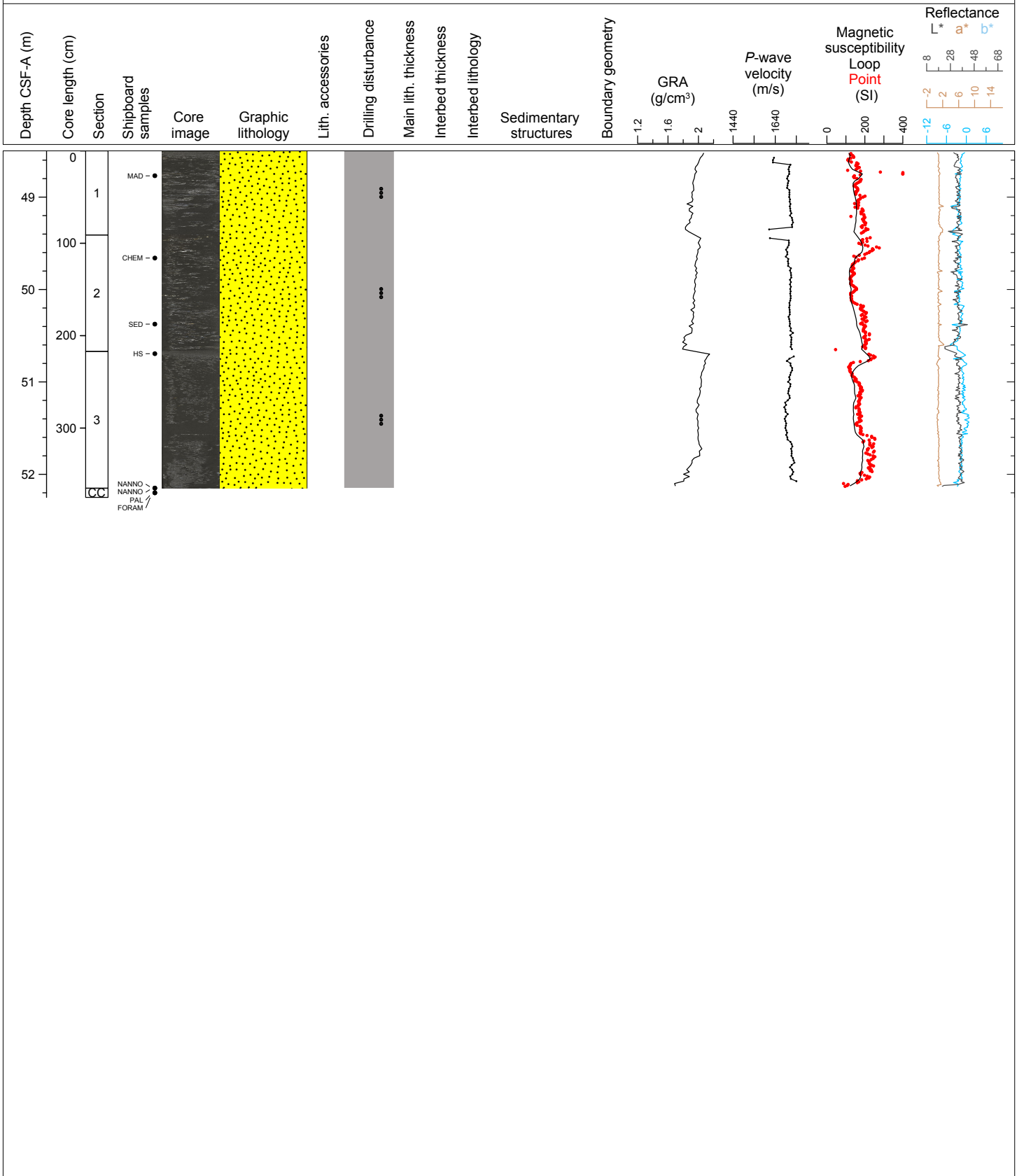
Hole 354-U1450A Core 8F, Interval 39.0-41.2 m (CSF-A)

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



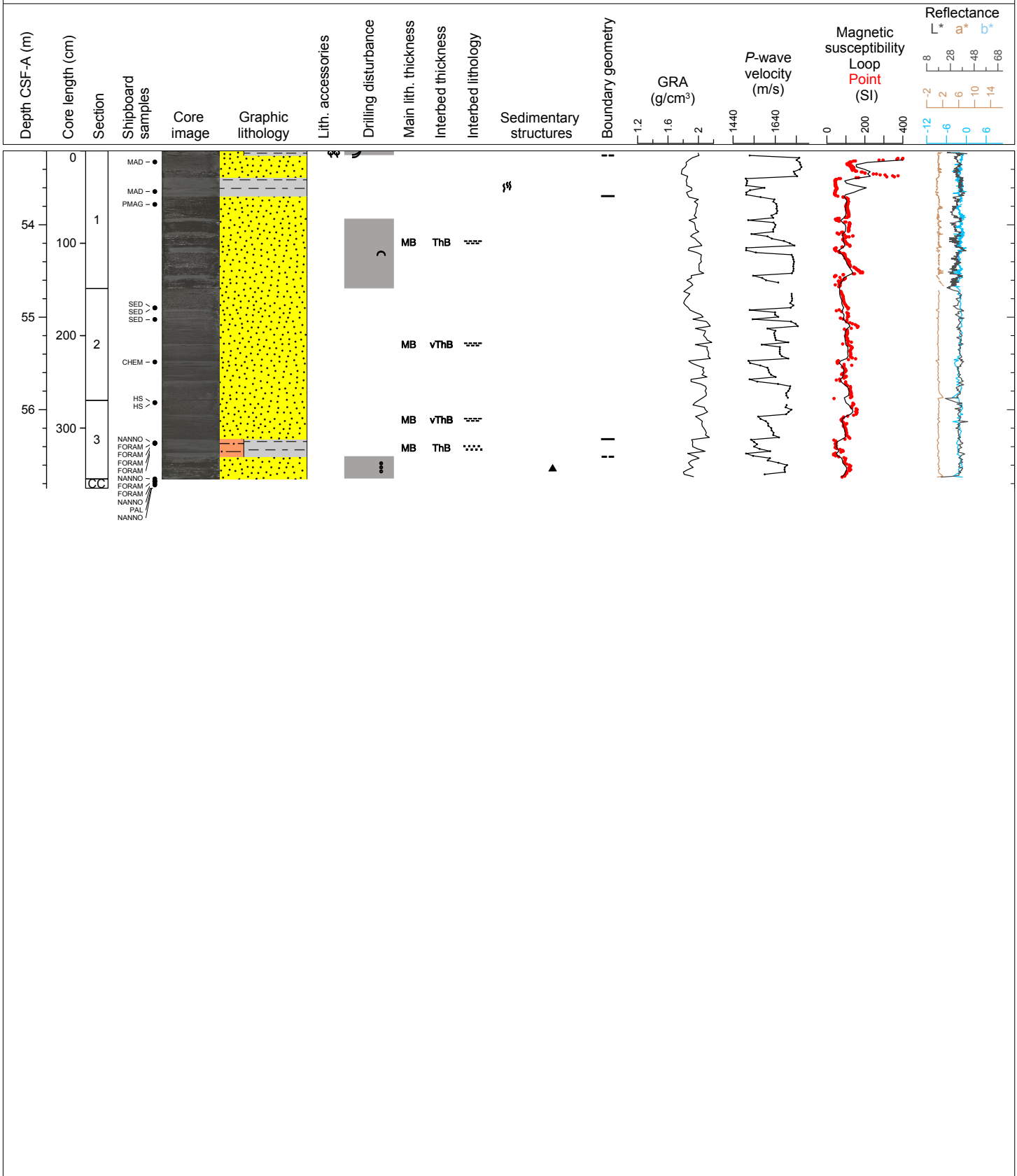
Hole 354-U1450A Core 10F, Interval 48.5-52.25 m (CSF-A)

Major lithology: dark gray fine sand.



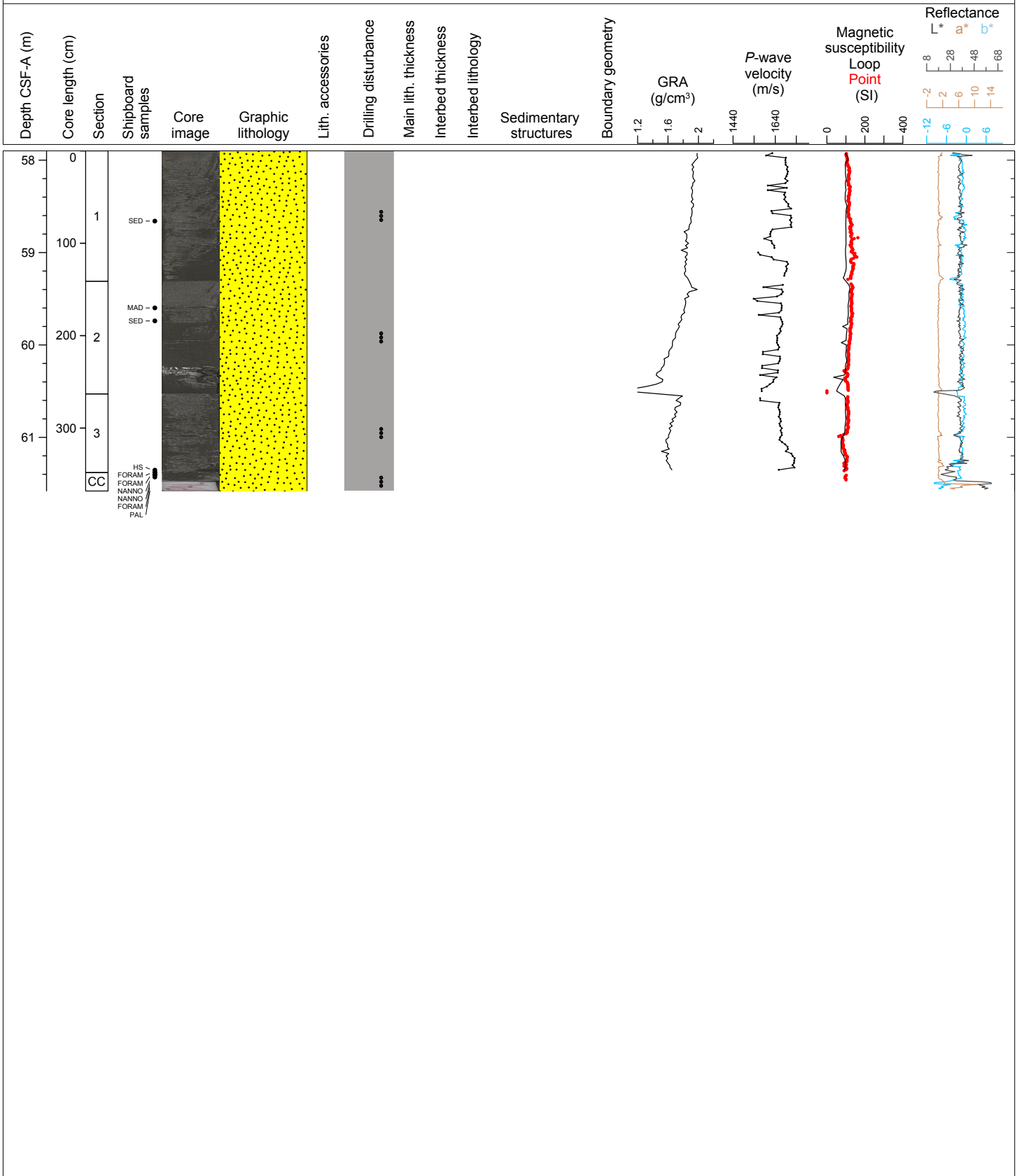
Hole 354-U1450A Core 11F, Interval 53.2-56.85 m (CSF-A)

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



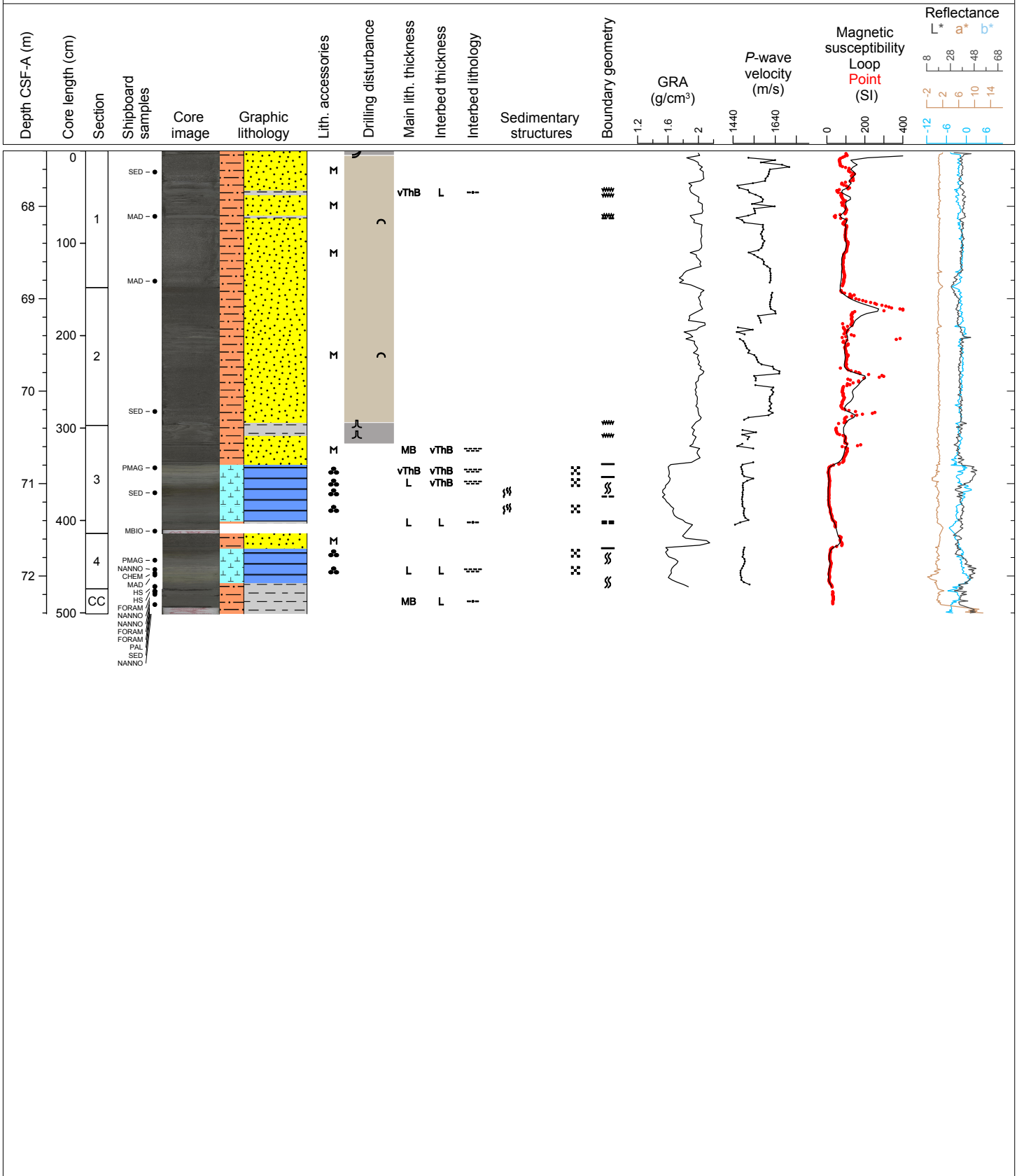
Hole 354-U1450A Core 12F, Interval 57.9-61.58 m (CSF-A)

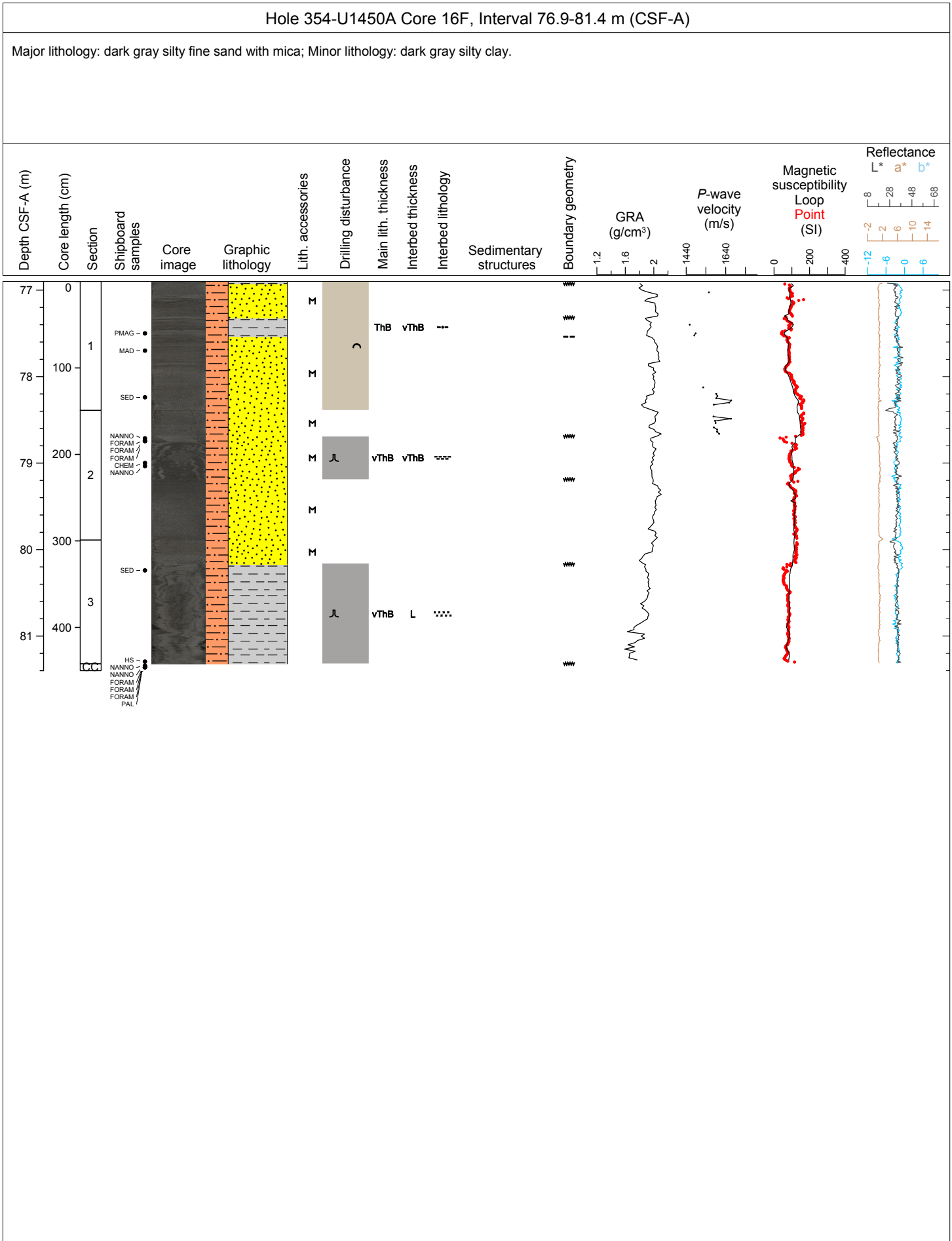
Major lithology: dark gray soupy fine sand



Hole 354-U1450A Core 14F, Interval 67.4-72.41 m (CSF-A)

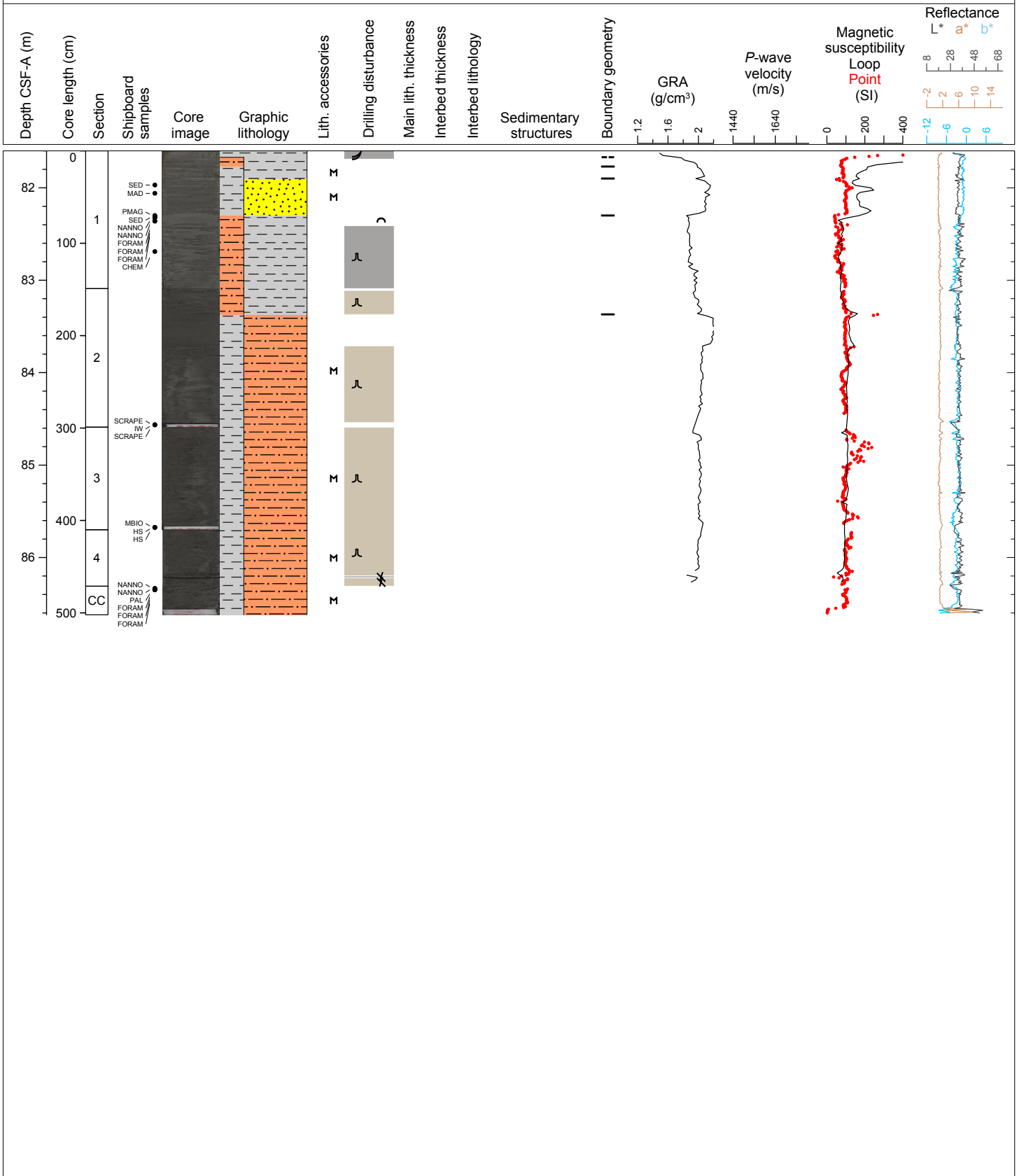
Major lithology: dark gray silty sand with mica, dark gray silty clay; Minor lithology: nannofossil-rich calcareous clay.





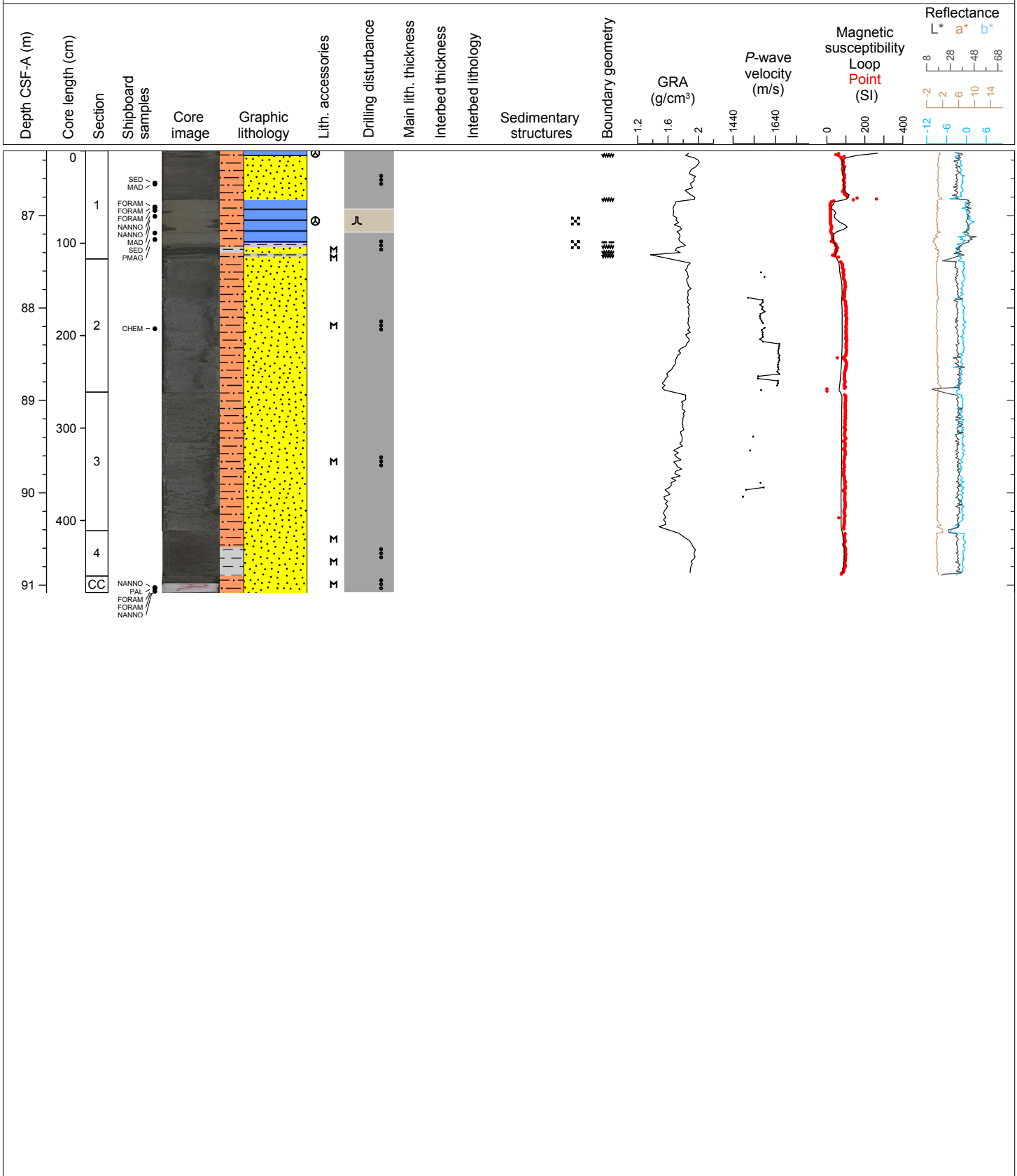
Hole 354-U1450A Core 17F, Interval 81.6-86.62 m (CSF-A)

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



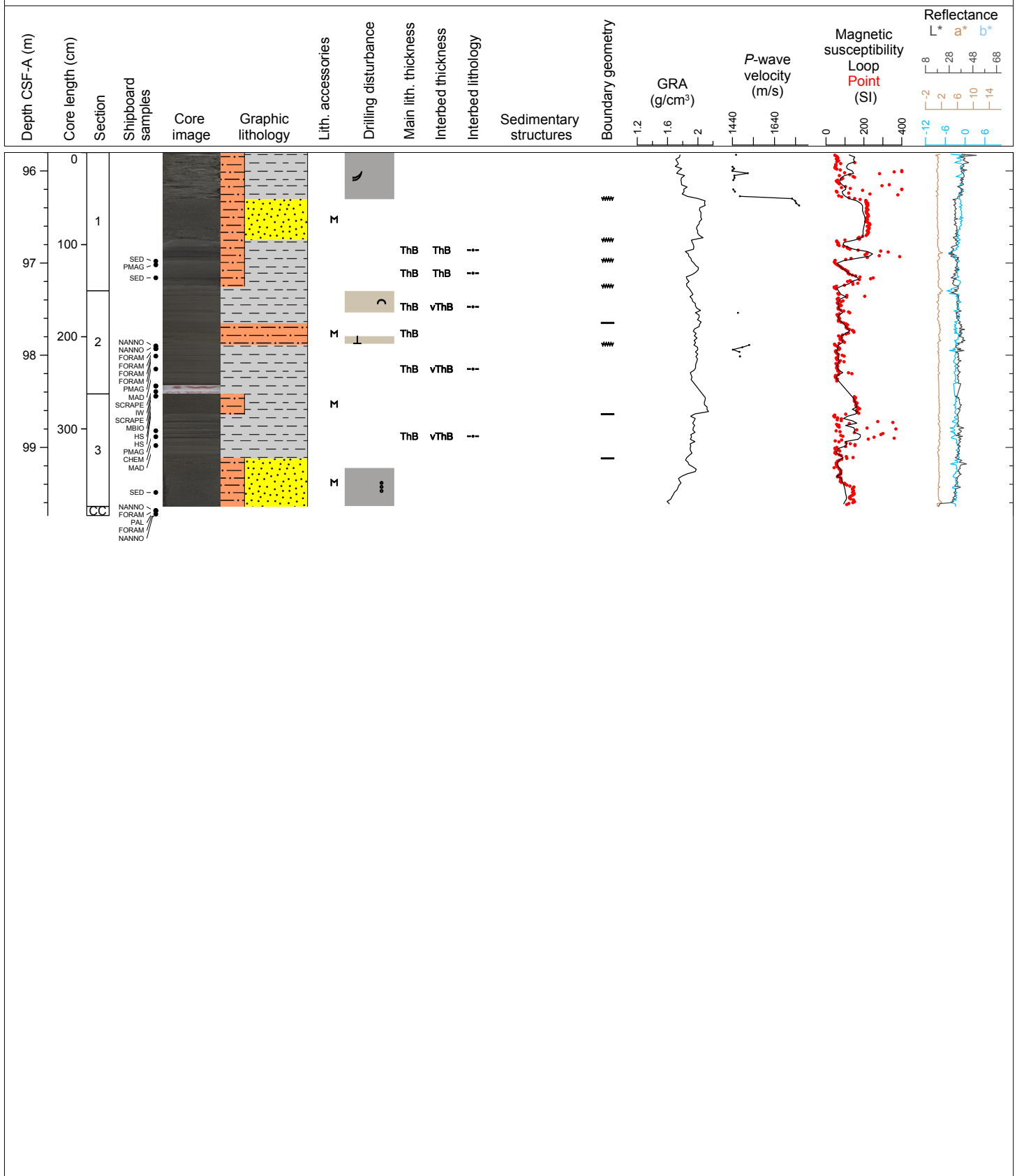
Hole 354-U1450A Core 18F, Interval 86.3-91.08 m (CSF-A)

Major lithology: dark gray silty sand with micas interbedded with gray silty clay.



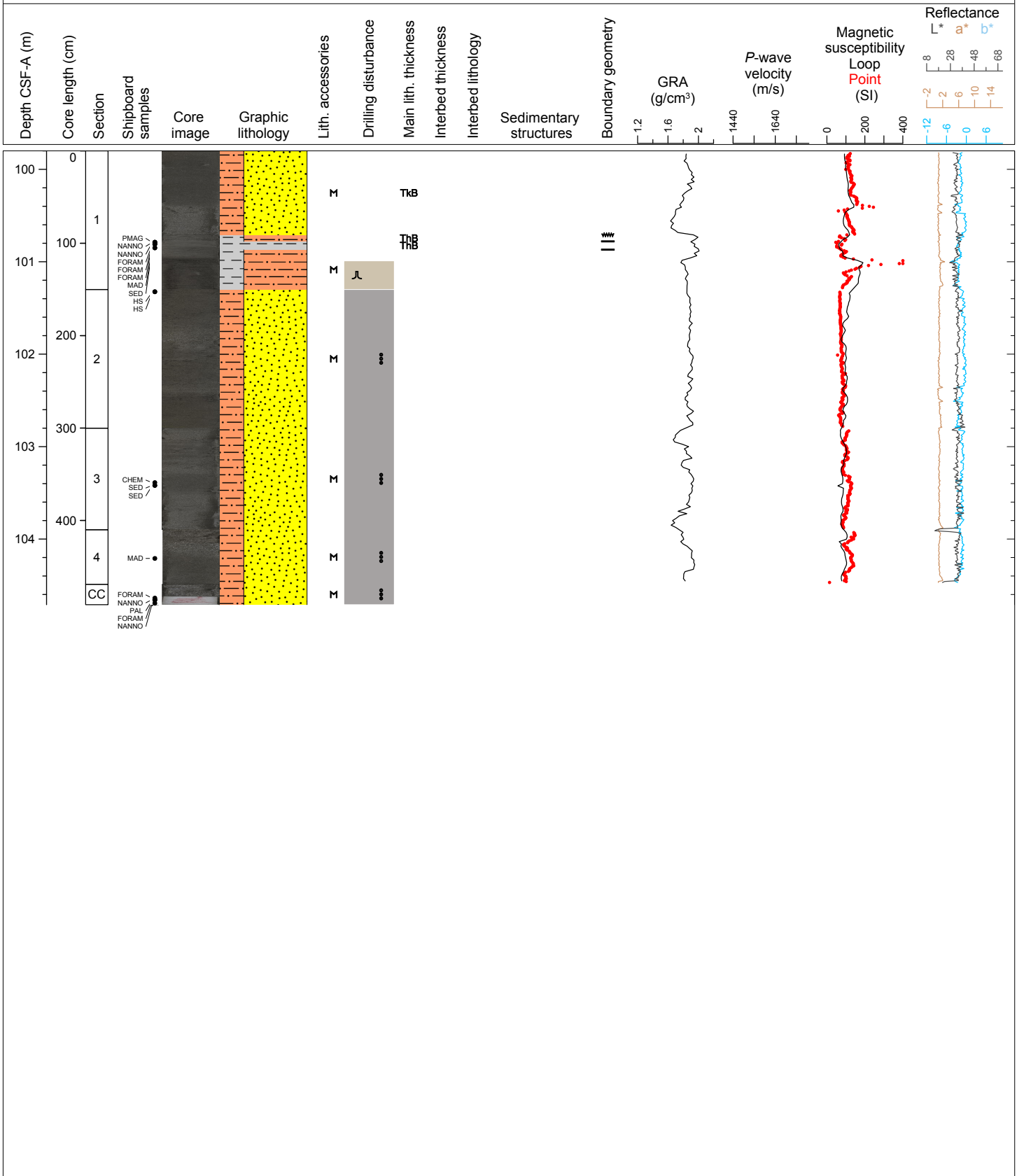
Hole 354-U1450A Core 20F, Interval 95.8-99.74 m (CSF-A)

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



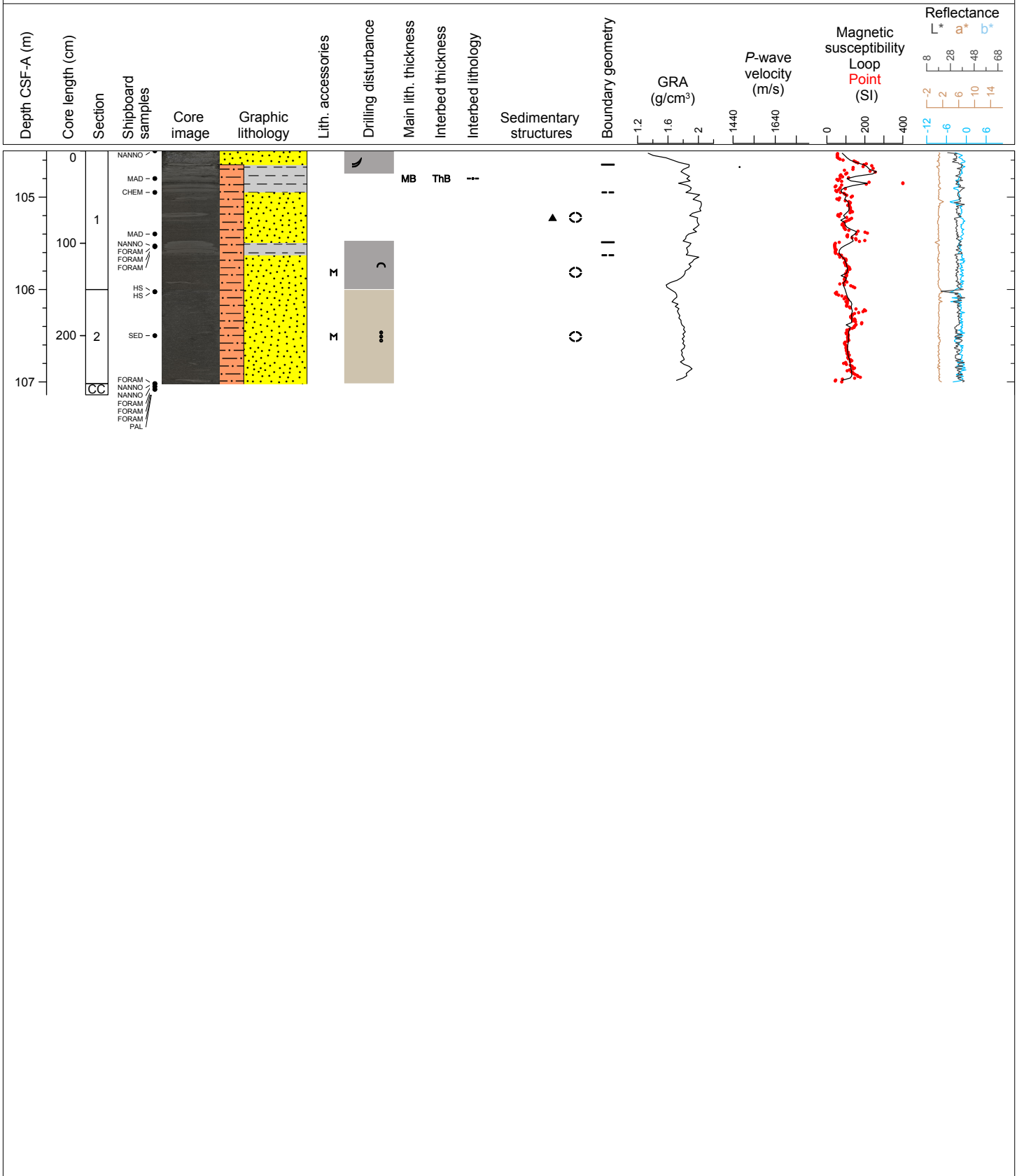
Hole 354-U1450A Core 21F, Interval 99.8-104.71 m (CSF-A)

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



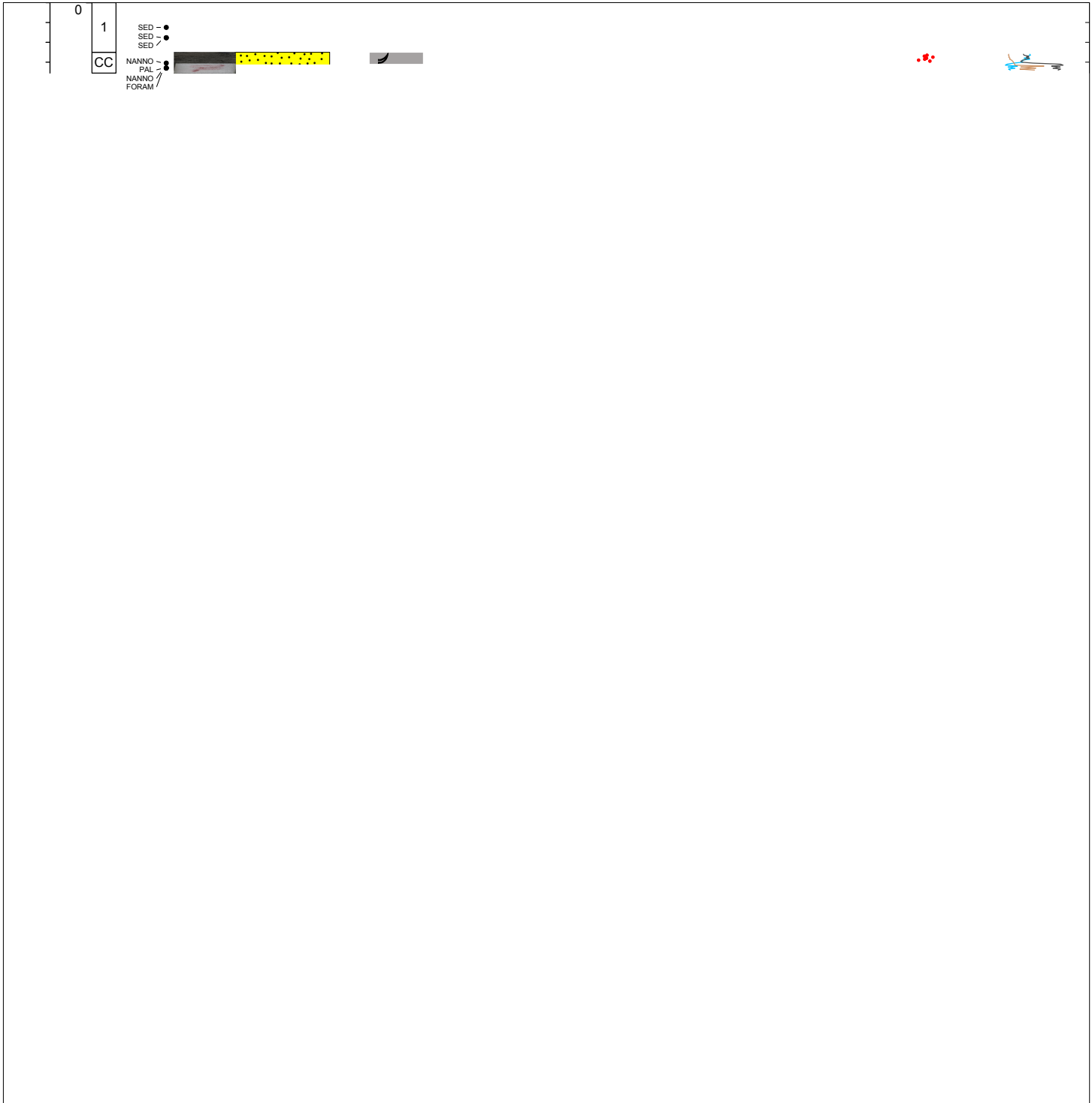
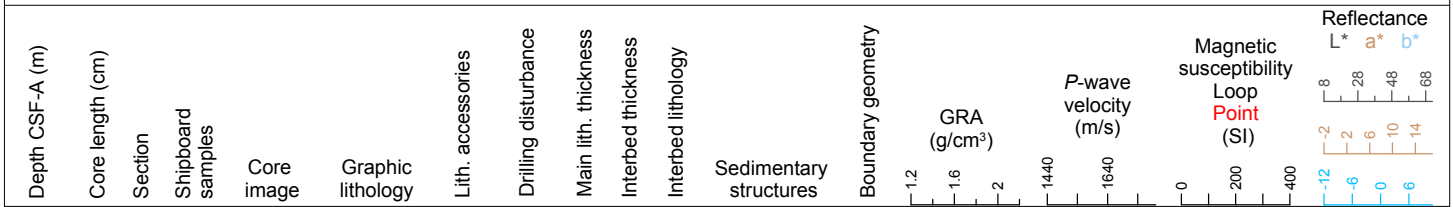
Hole 354-U1450A Core 22H, Interval 104.5-107.14 m (CSF-A)

Major lithology: dark gray fine sand with mica and mud clasts; Minor lithology: dark gray silty clay.



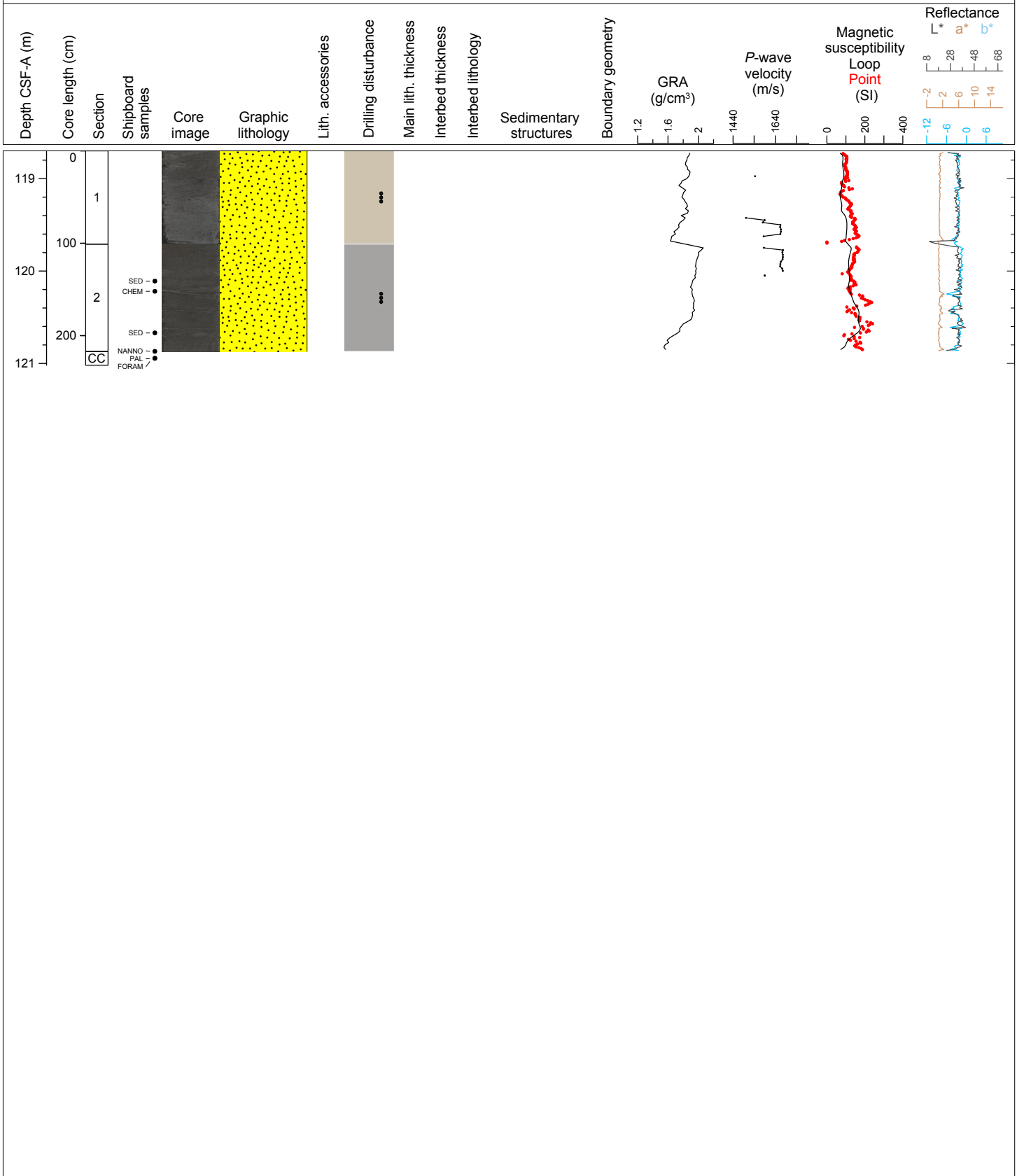
Hole 354-U1450A Core 24H, Interval 109.2-109.91 m (CSF-A)

Major lithology: dark gray fine sand; General comments: outflow of section 1 (bag sample)



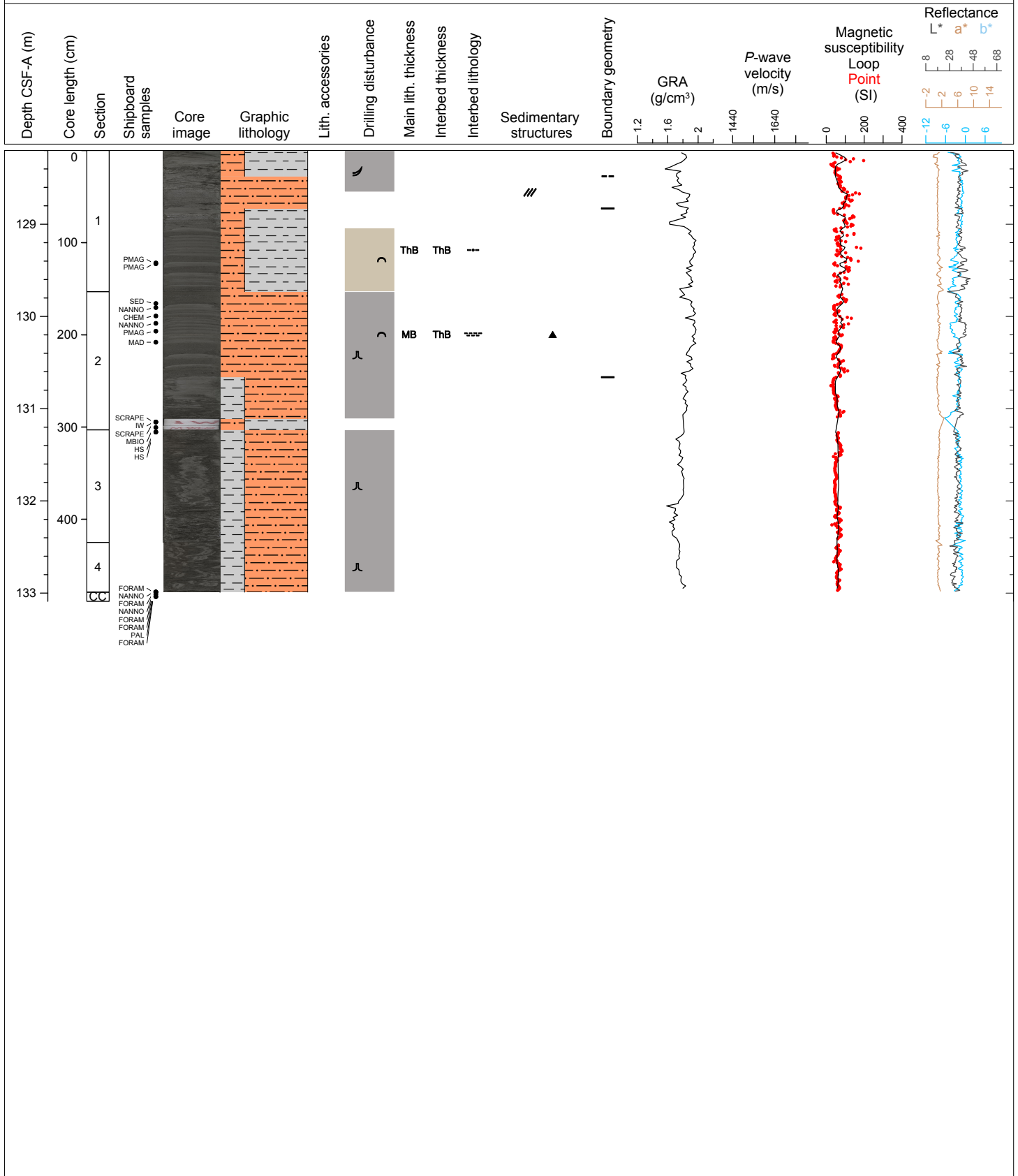
Hole 354-U1450A Core 25F, Interval 118.7-121.02 m (CSF-A)

Major lithology: dark gray fine sand.



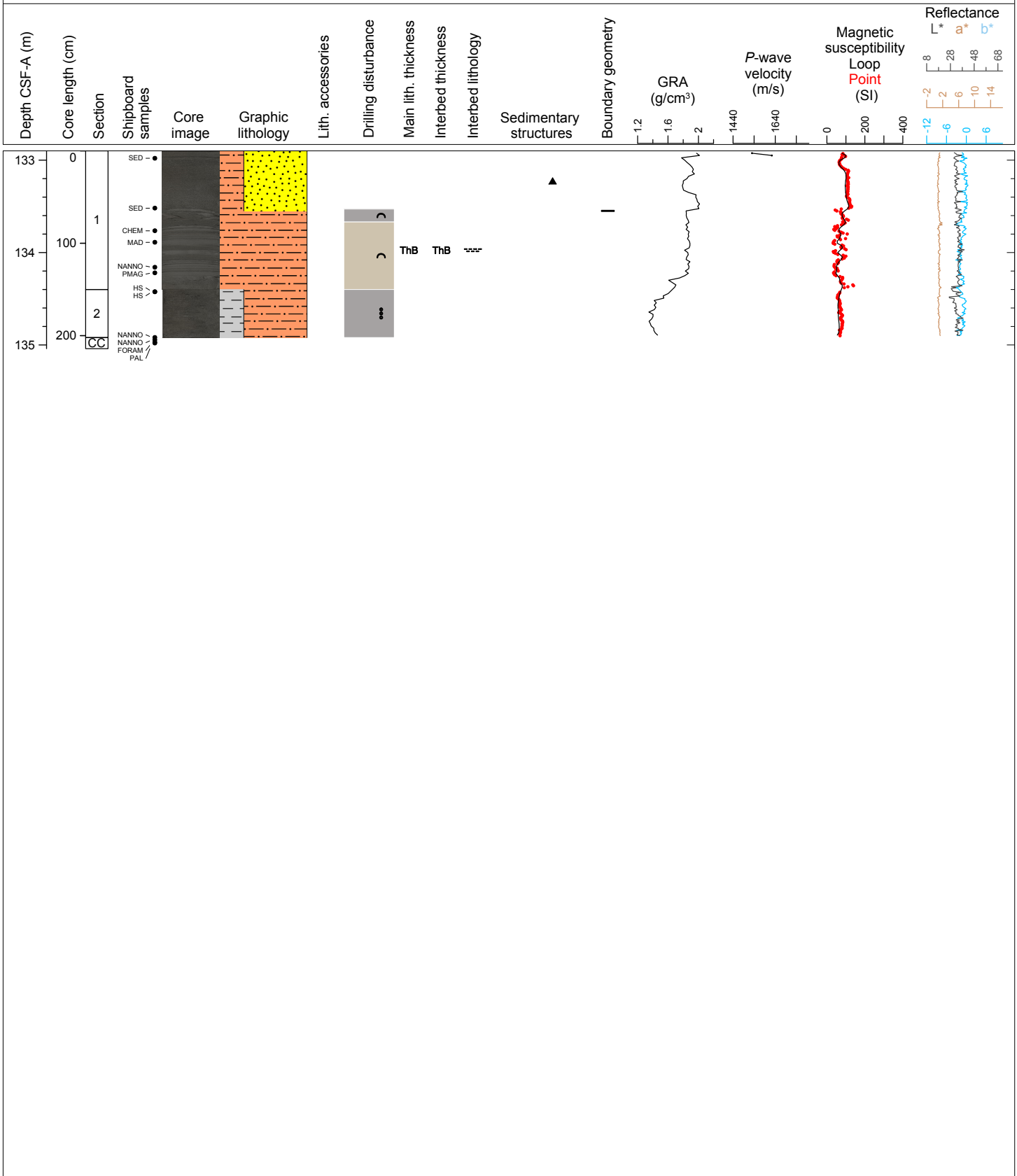
Hole 354-U1450A Core 27F, Interval 128.2-133.09 m (CSF-A)

Major lithology: dark gray silty clay; Minor lithology: dark gray laminated silt; General comments: some silt layers are quartz rich and light gray in color.



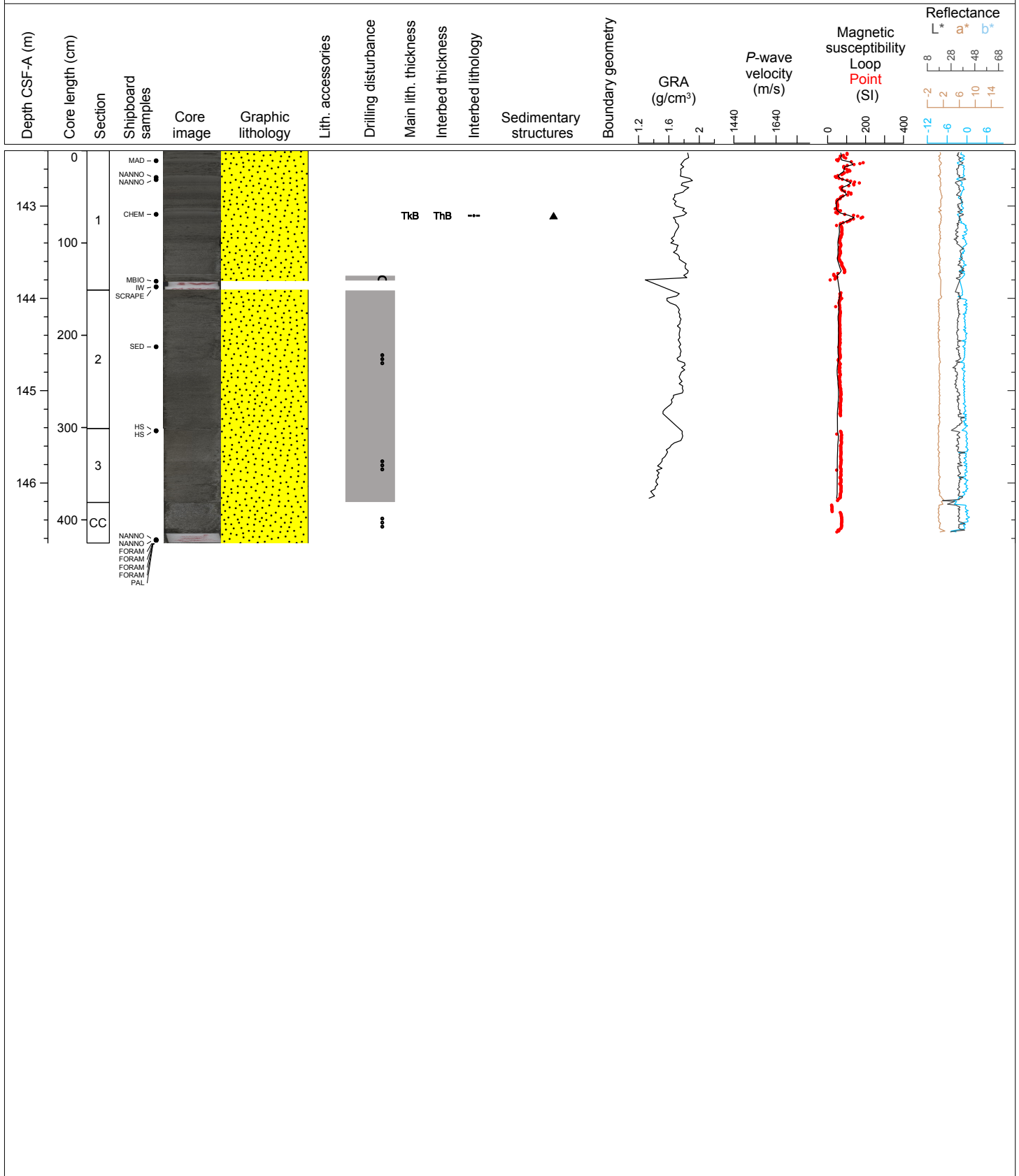
Hole 354-U1450A Core 28F, Interval 132.9-135.04 m (CSF-A)

Major lithology: dark gray silt; Minor lithology: dark gray fine sand, dark.



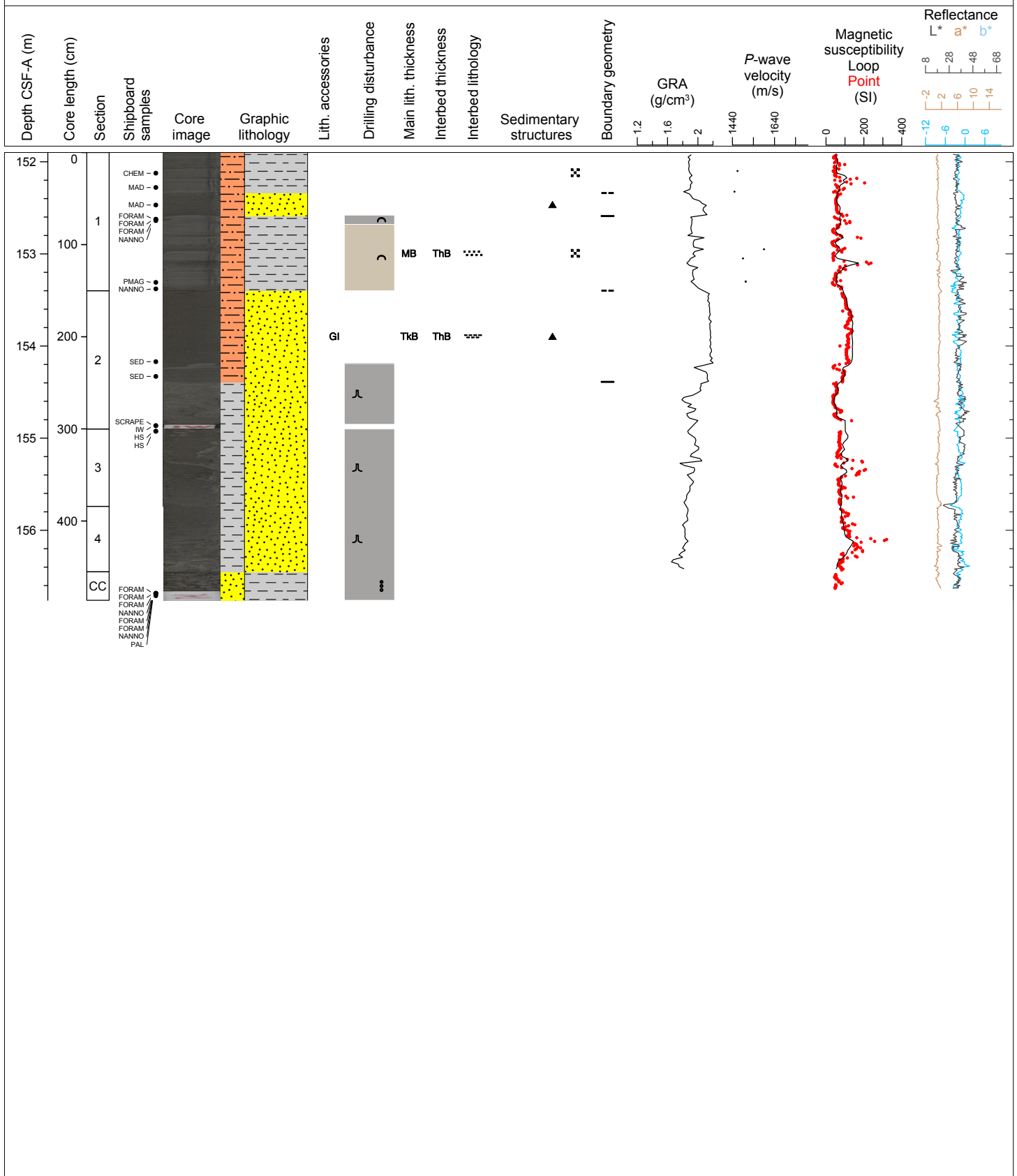
Hole 354-U1450A Core 30F, Interval 142.4-146.65 m (CSF-A)

Major lithology: dark gray fine sand



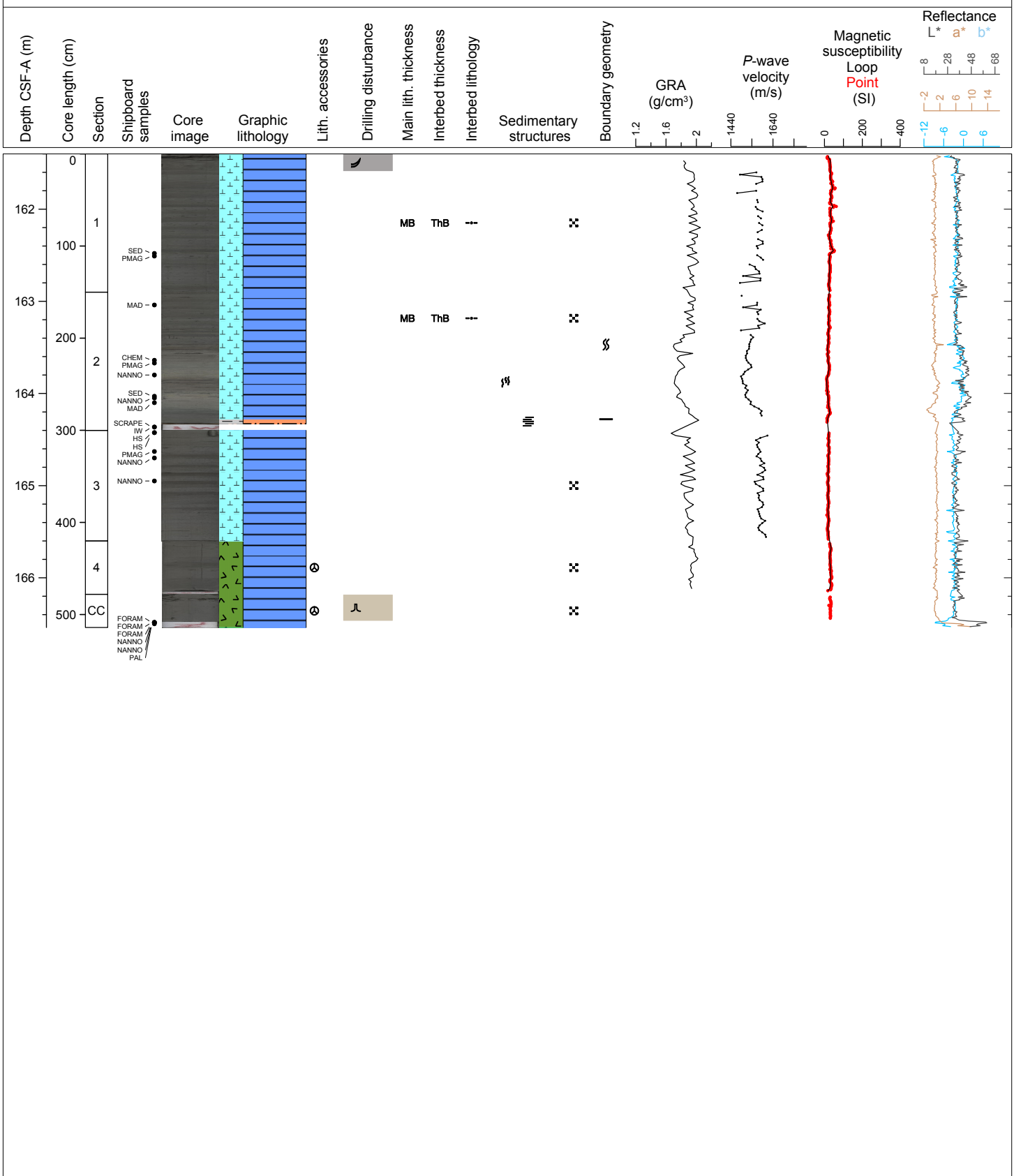
Hole 354-U1450A Core 32F, Interval 151.9-156.76 m (CSF-A)

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



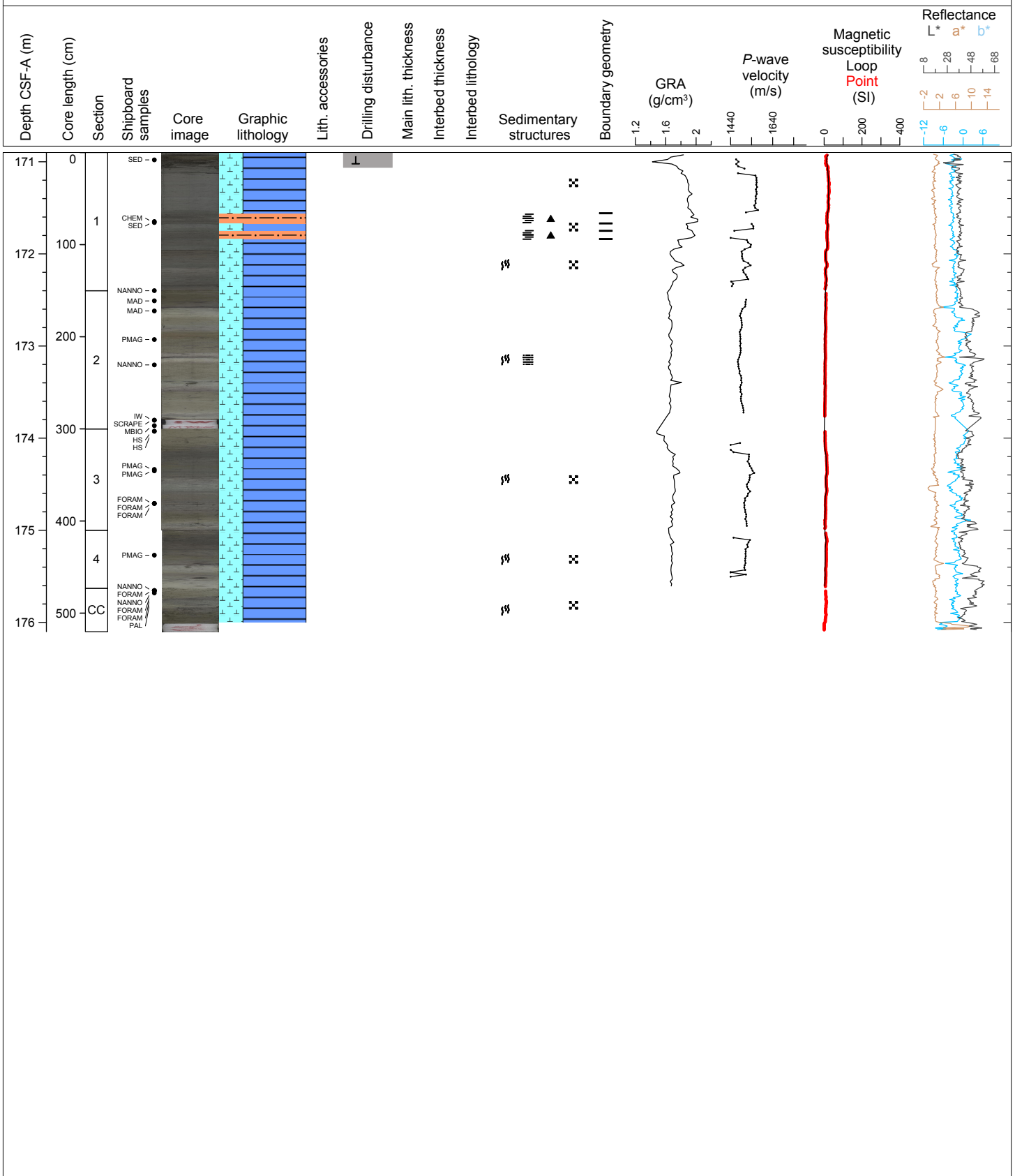
Hole 354-U1450A Core 34F, Interval 161.4-166.54 m (CSF-A)

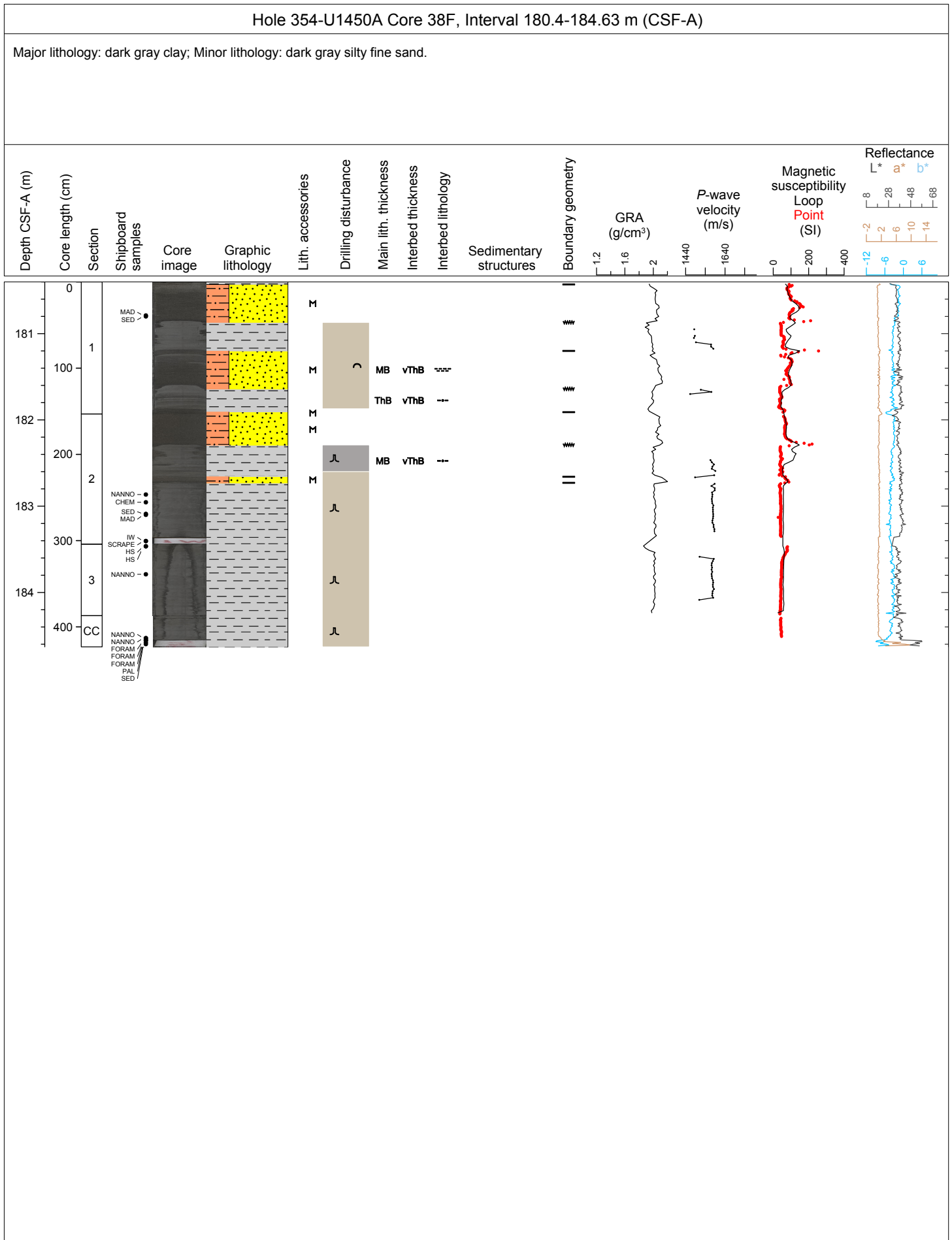
Major lithology: nannofossil rich calcareous clay; Minor lithology: dark green biosilica rich clay with radiolarian shell fragments, gray silt; General comments: mottling and color banding are common.



Hole 354-U1450A Core 36F, Interval 170.9-176.1 m (CSF-A)

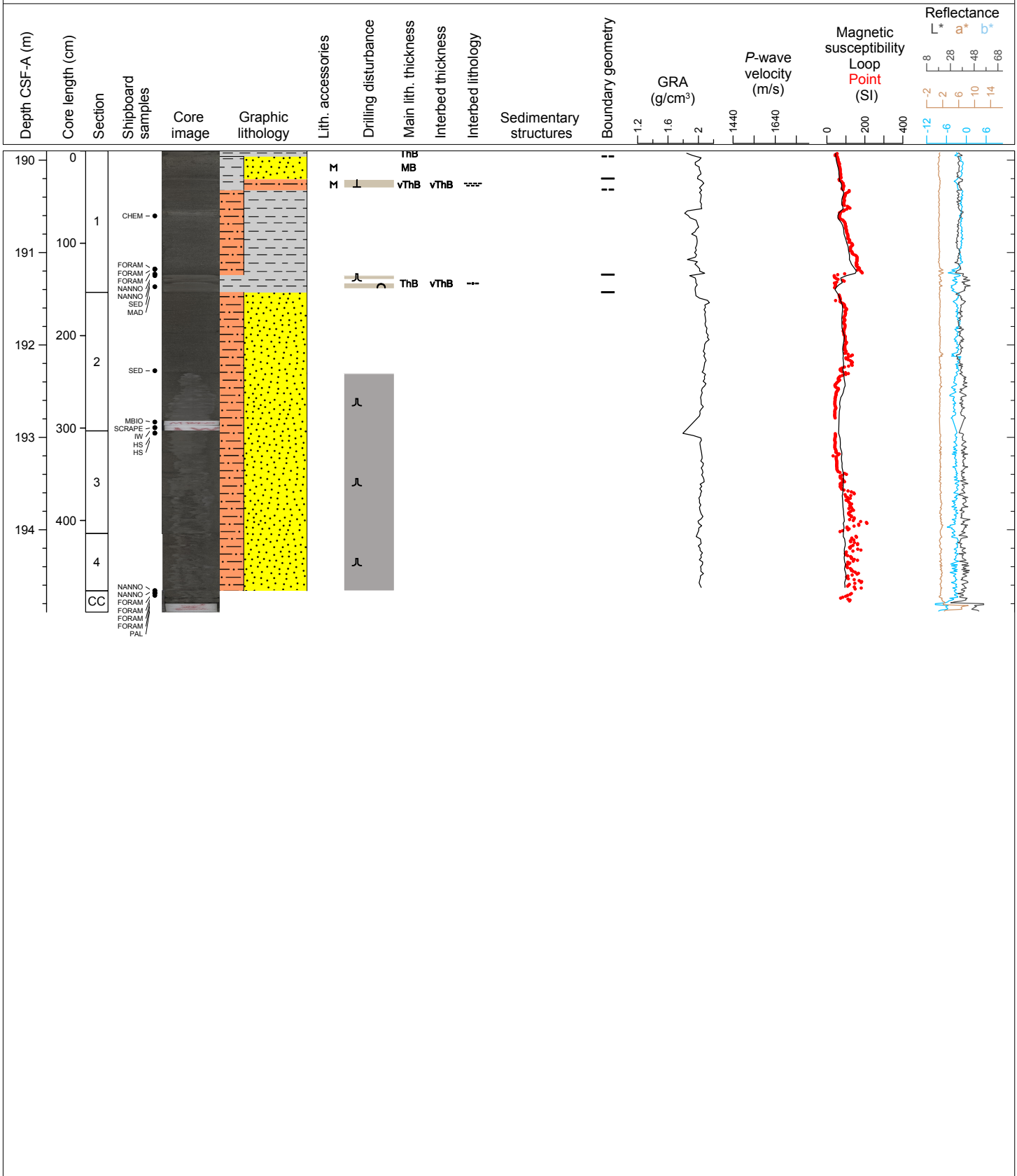
Major lithology: varicolored nannofossil rich calcareous clay. Minor lithology: laminated gray silt





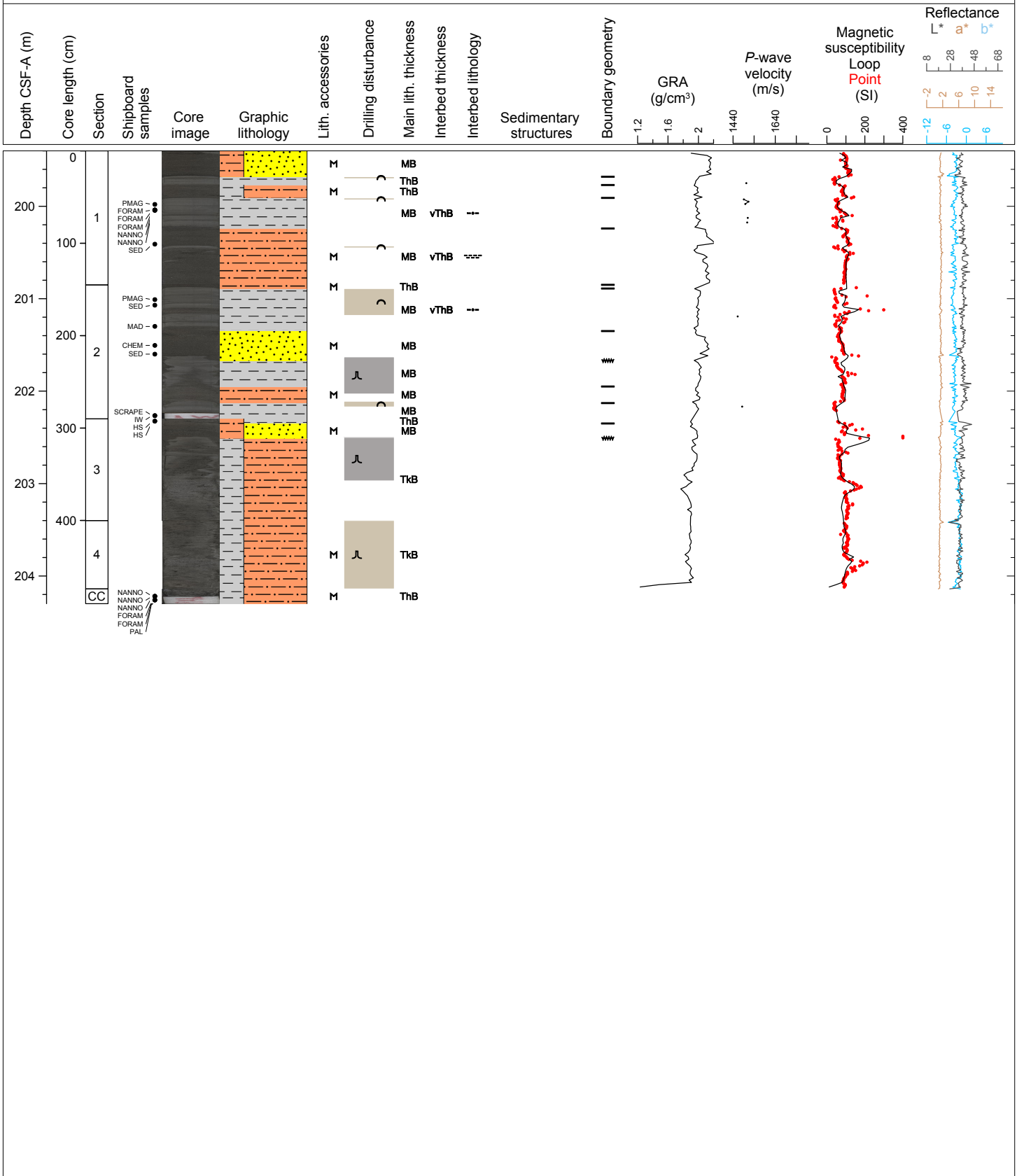
Hole 354-U1450A Core 40F, Interval 189.9-194.89 m (CSF-A)

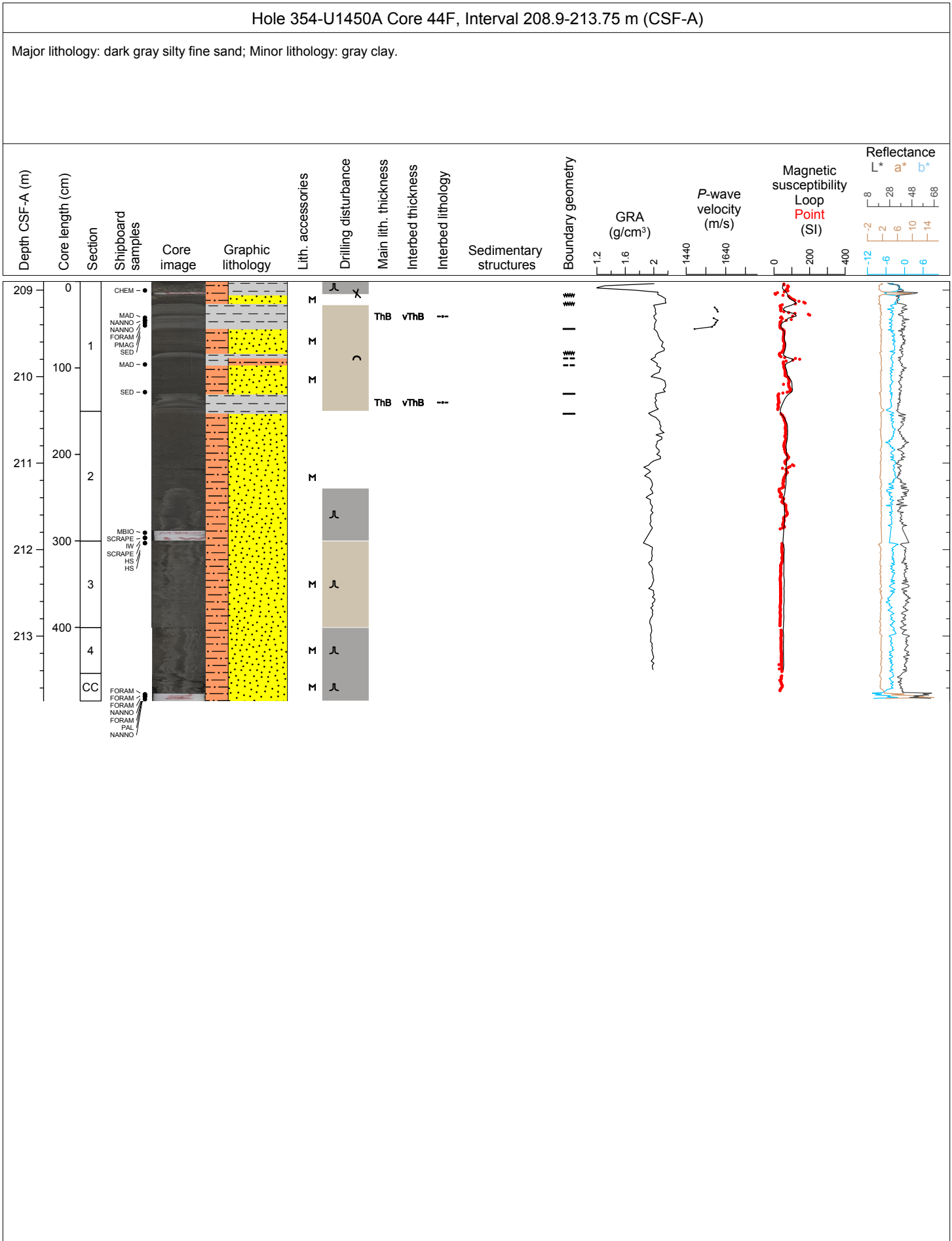
Major lithology: dark gray silty fine sand; Minor lithology: dark gray silty clay.

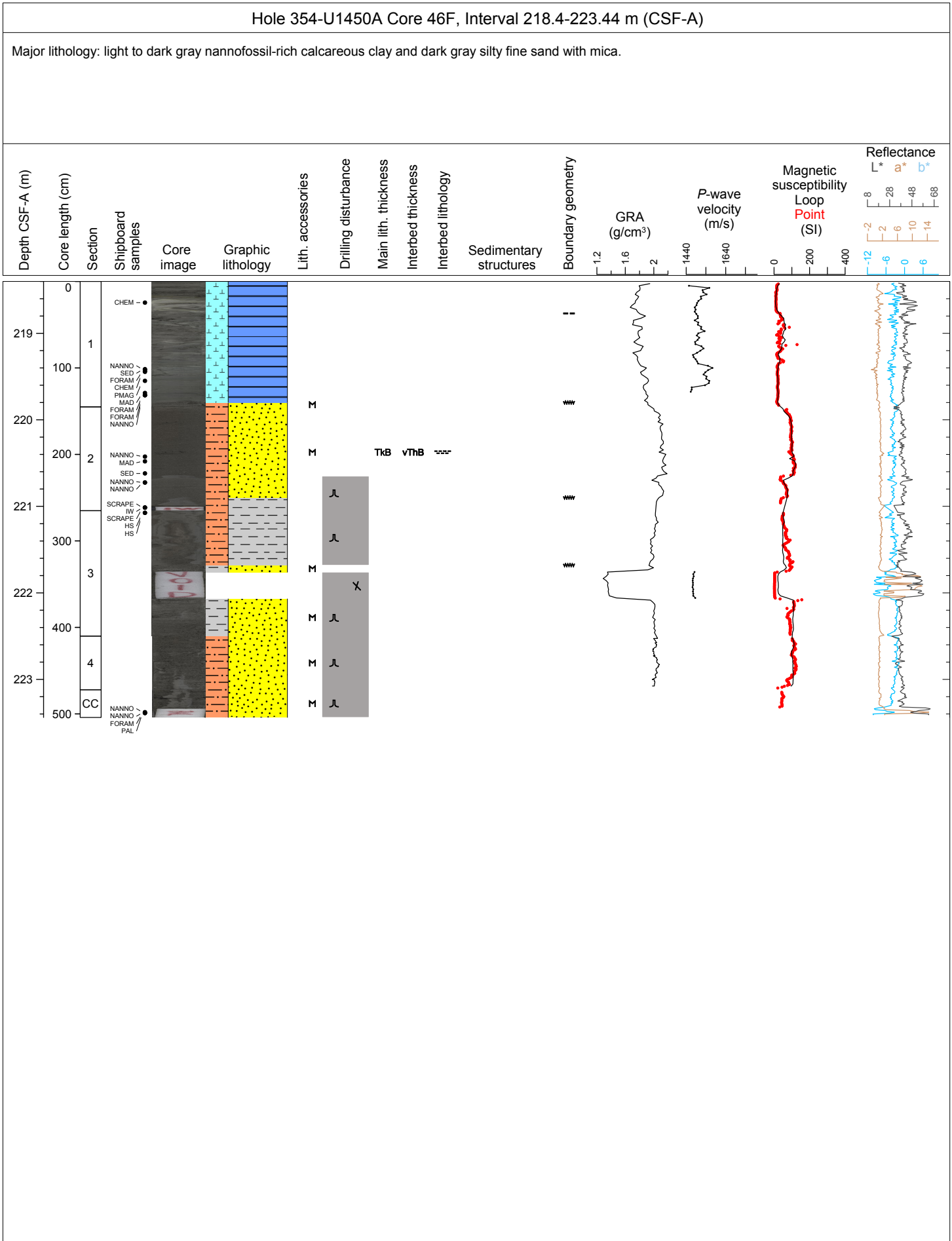


Hole 354-U1450A Core 42F, Interval 199.4-204.3 m (CSF-A)

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

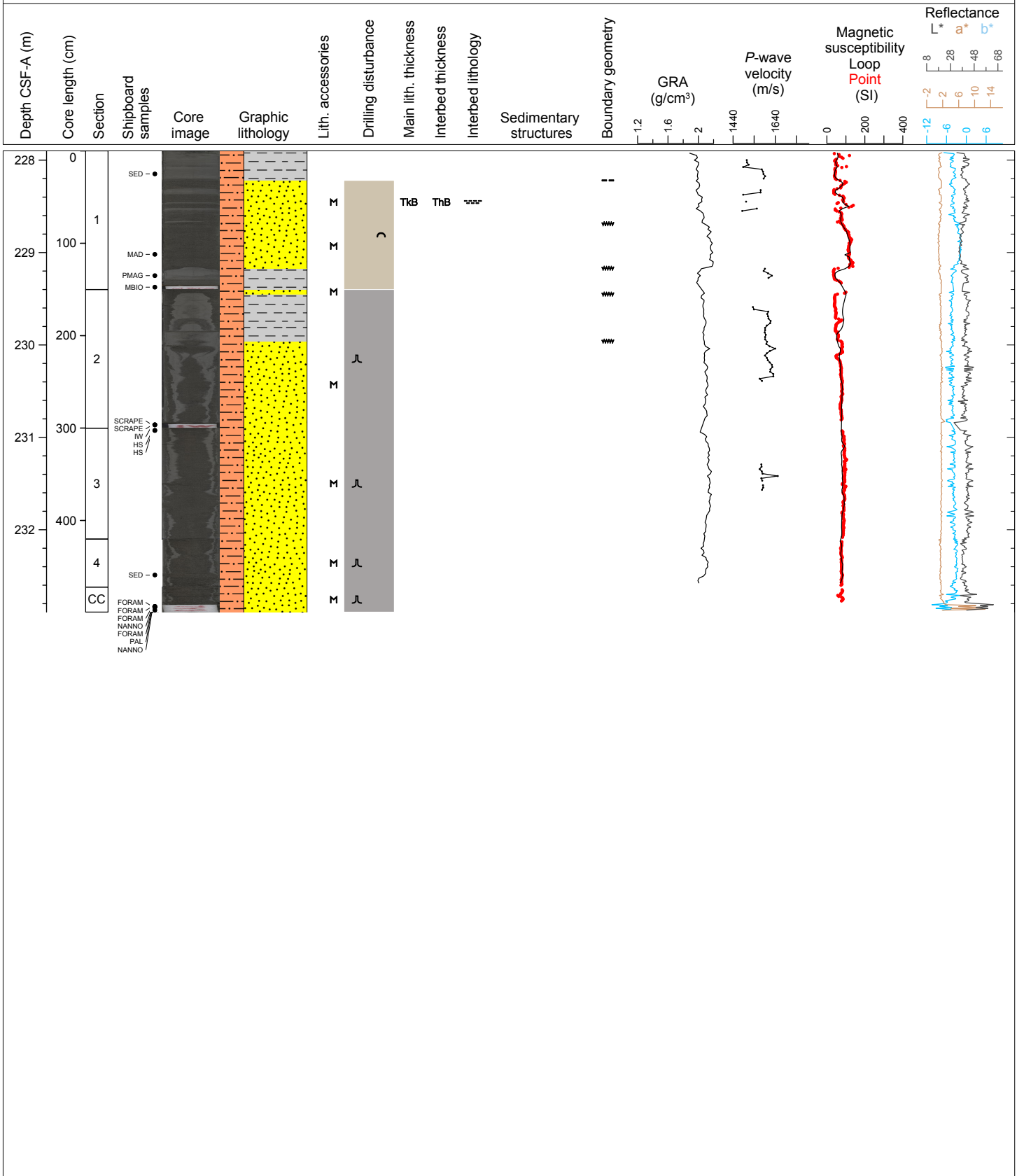


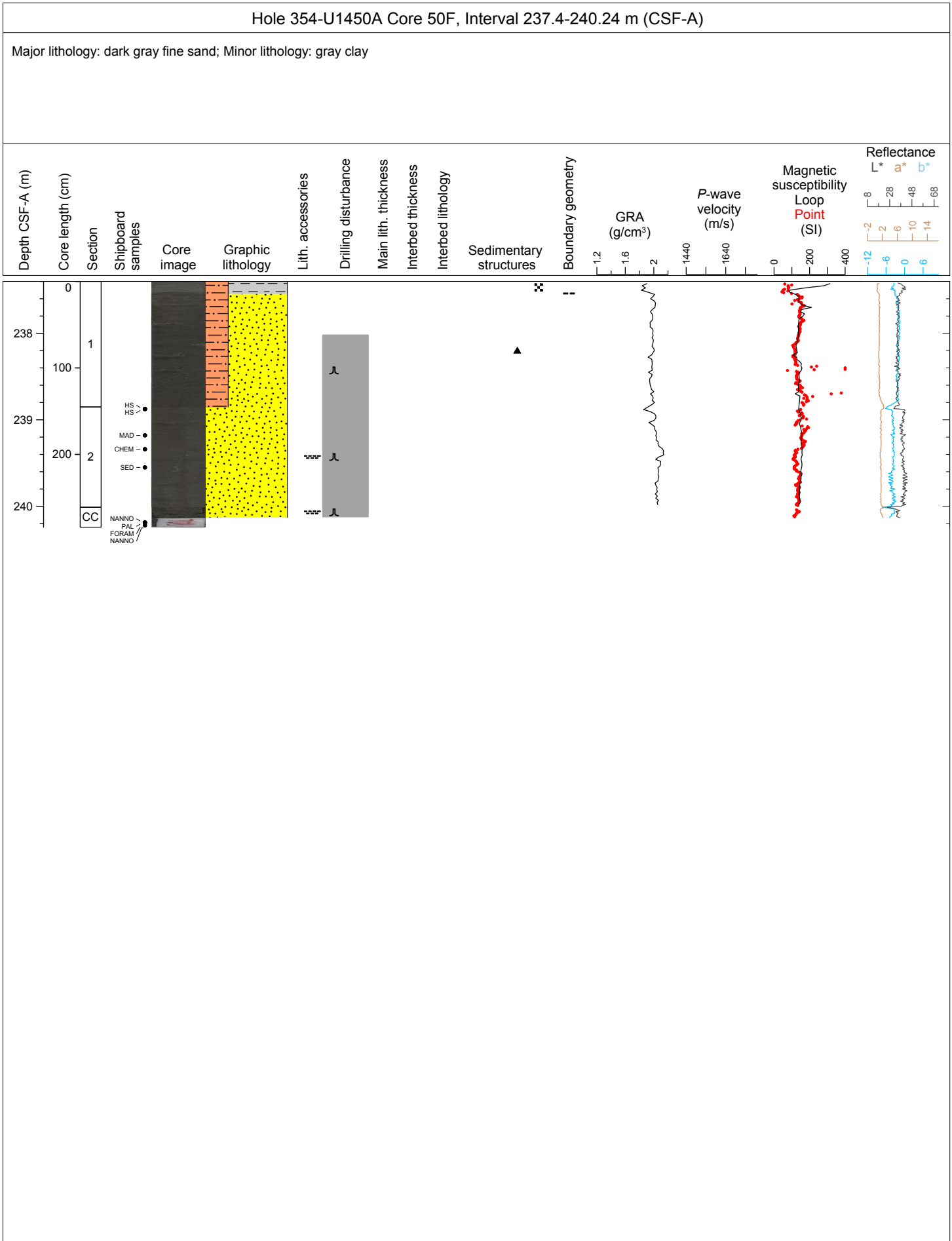




Hole 354-U1450A Core 48F, Interval 227.9-232.89 m (CSF-A)

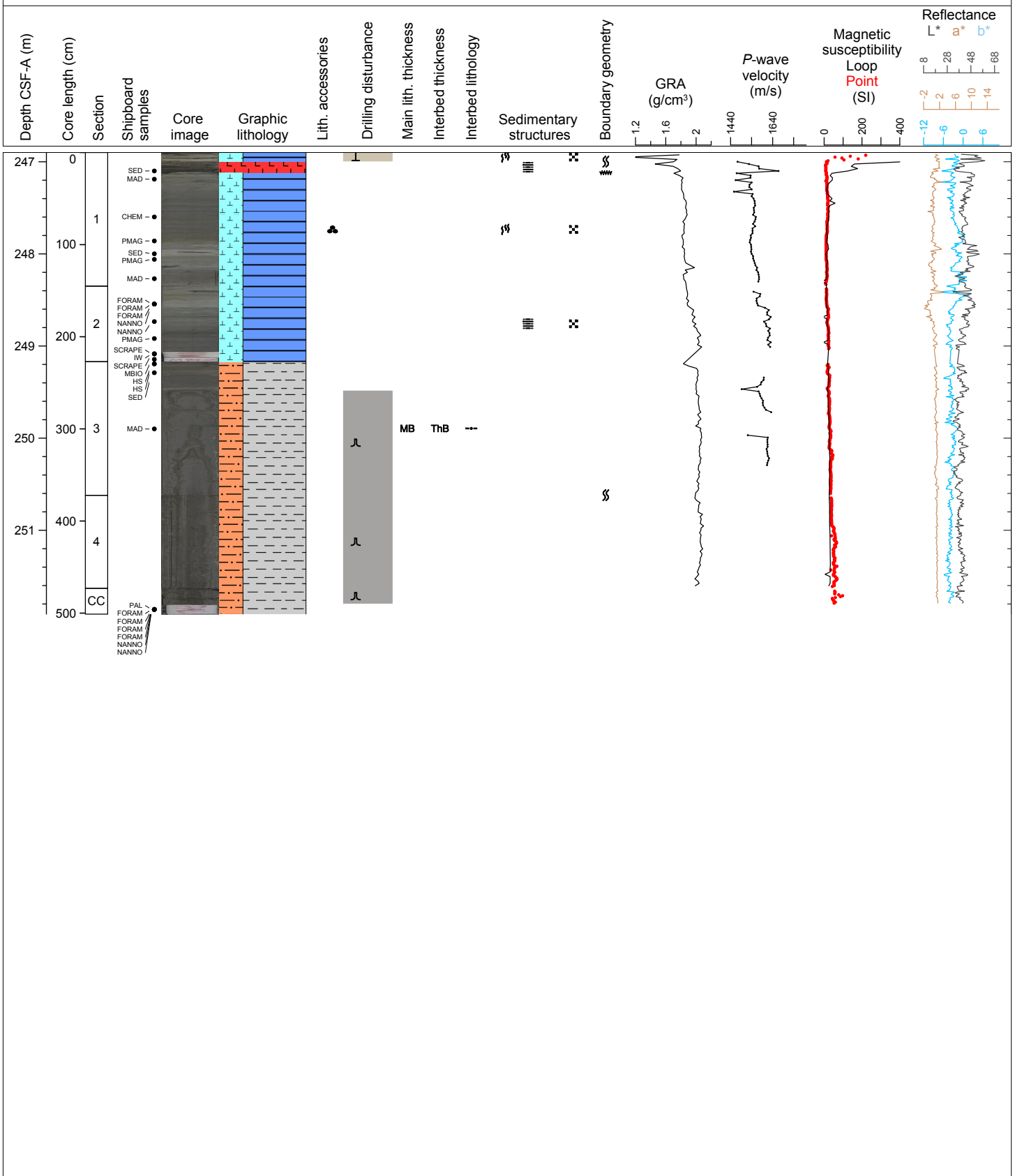
Major lithology: dark gray silty fine sand; Minor lithology: dark gray silty clay.





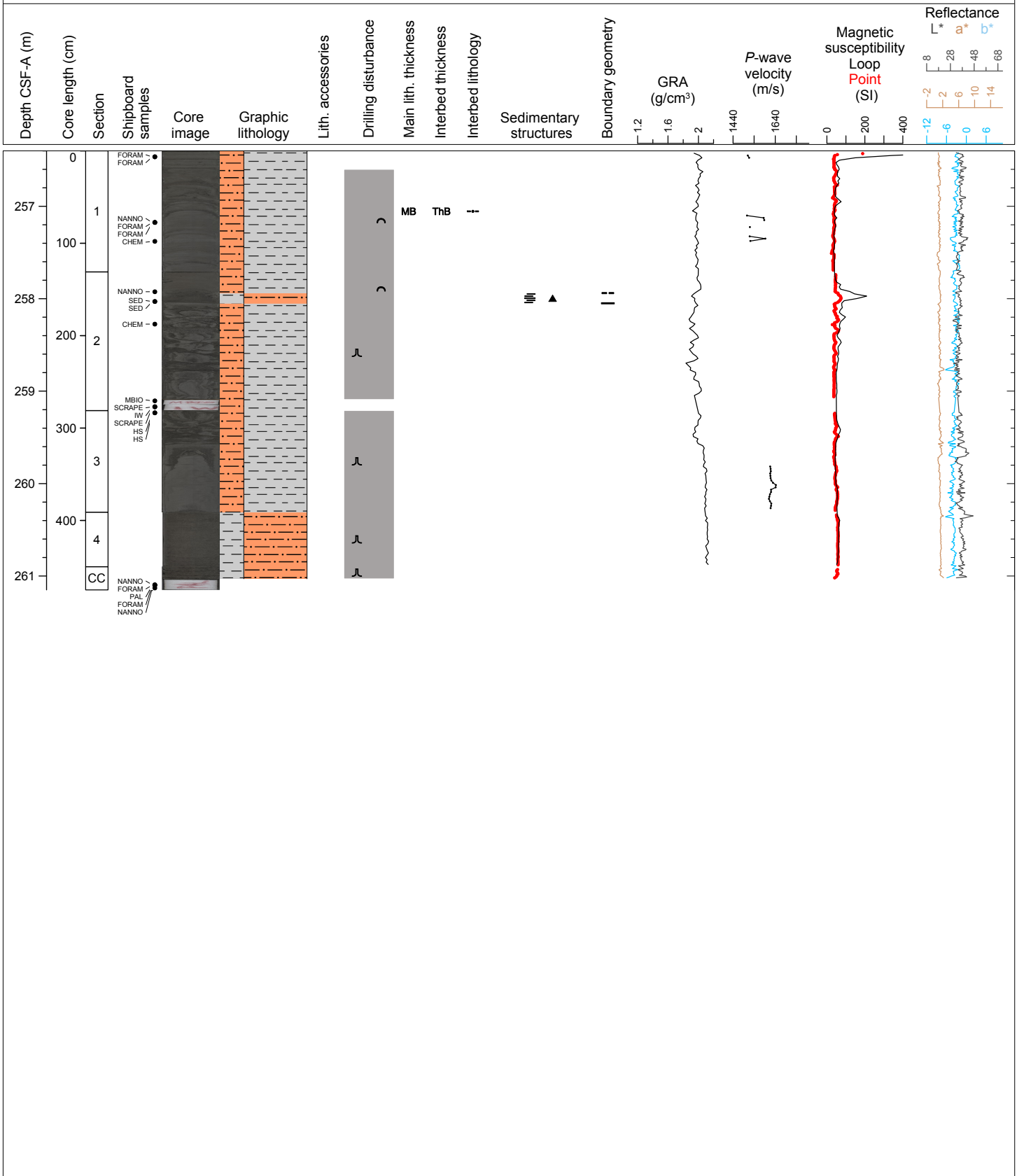
Hole 354-U1450A Core 52F, Interval 246.9-251.91 m (CSF-A)

Major lithology: light green to light gray nannofossil rich calcaerous clay; Minor lithology: light brown volcanic ash, gray silty clay.



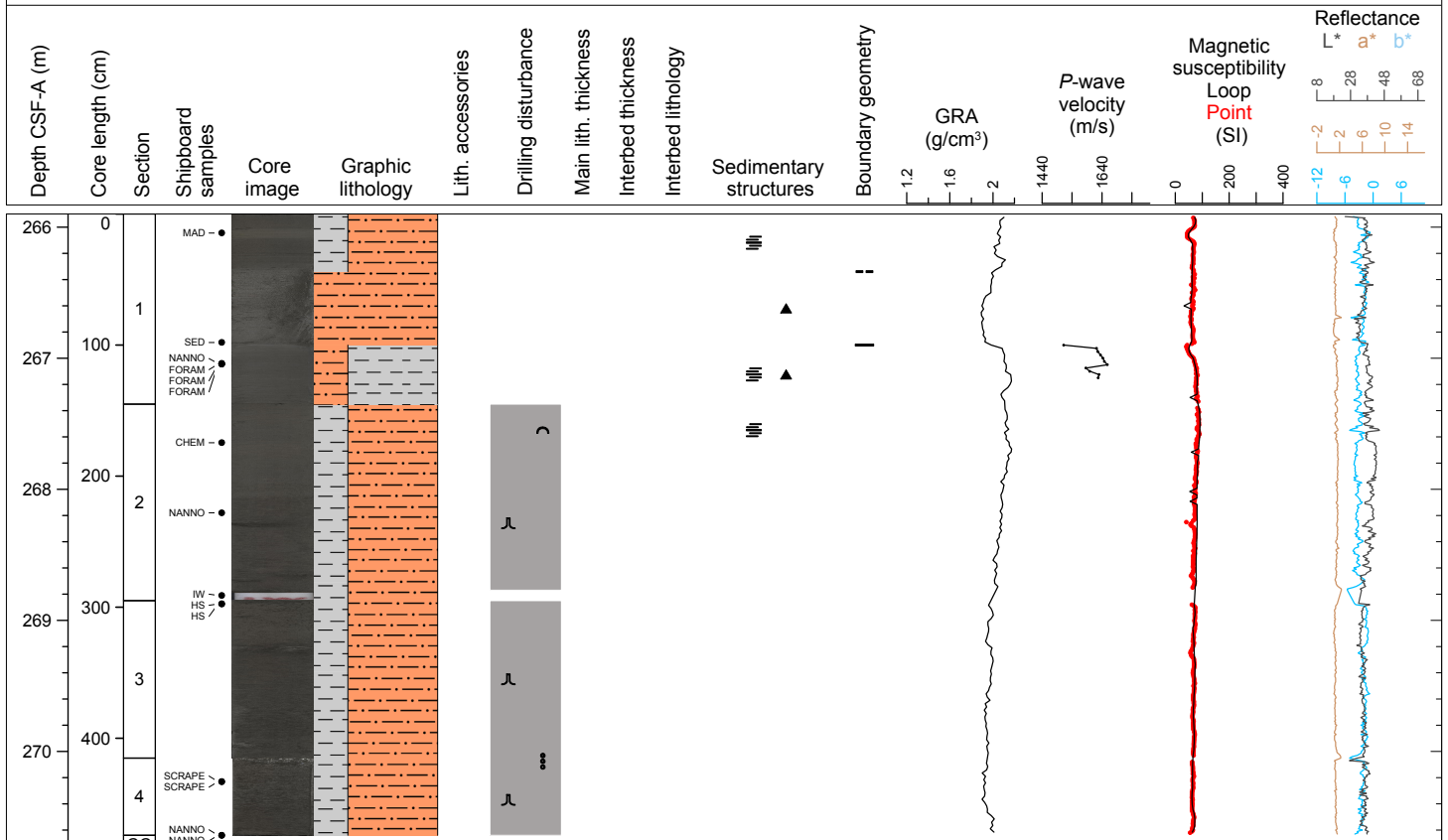
Hole 354-U1450A Core 54F, Interval 256.4-261.15 m (CSF-A)

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



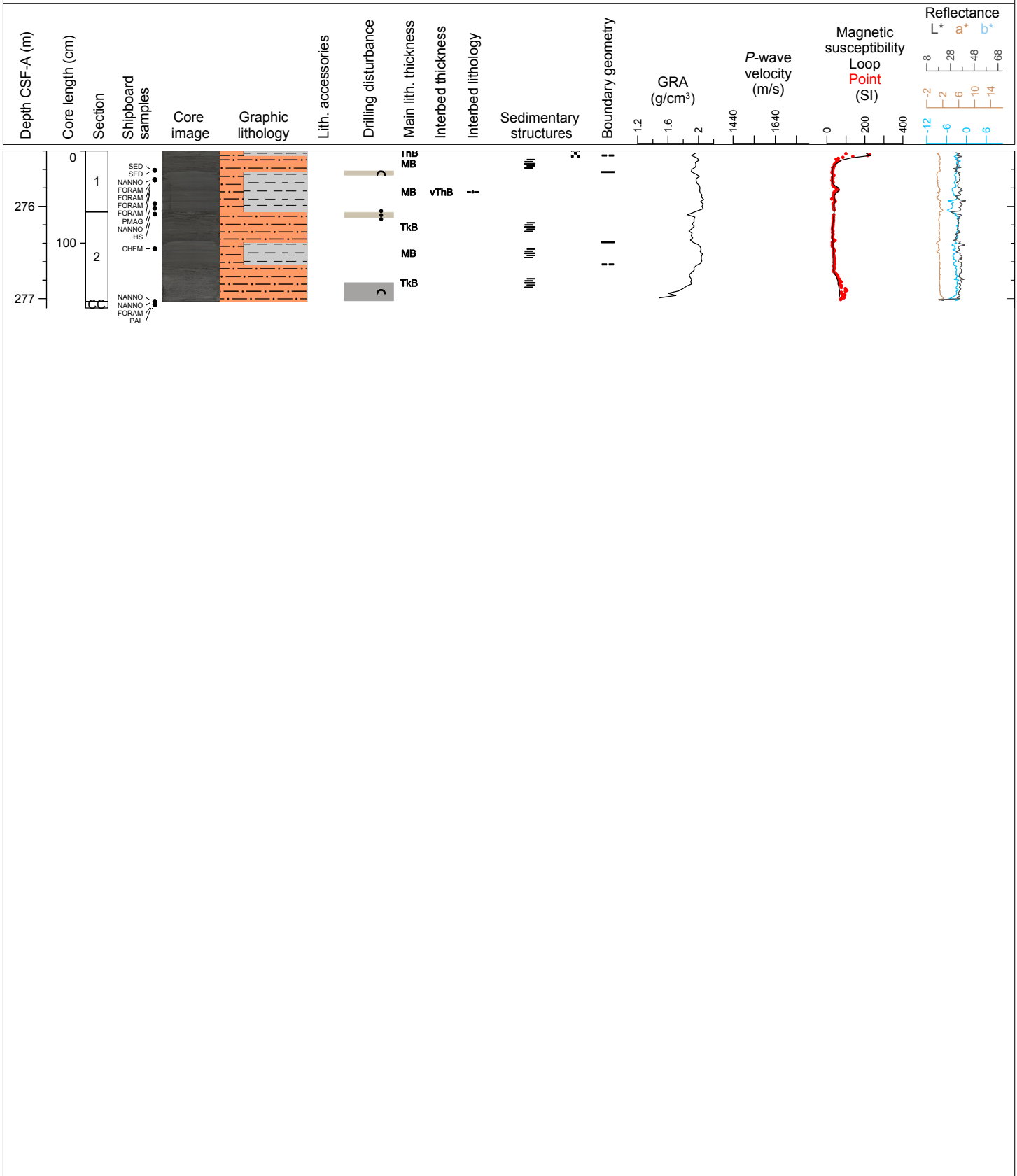
Hole 354-U1450A Core 56F, Interval 265.9-270.79 m (CSF-A)

Major lithology: dark gray clayey silt with laminations; Minor lithology: gray silty clay.



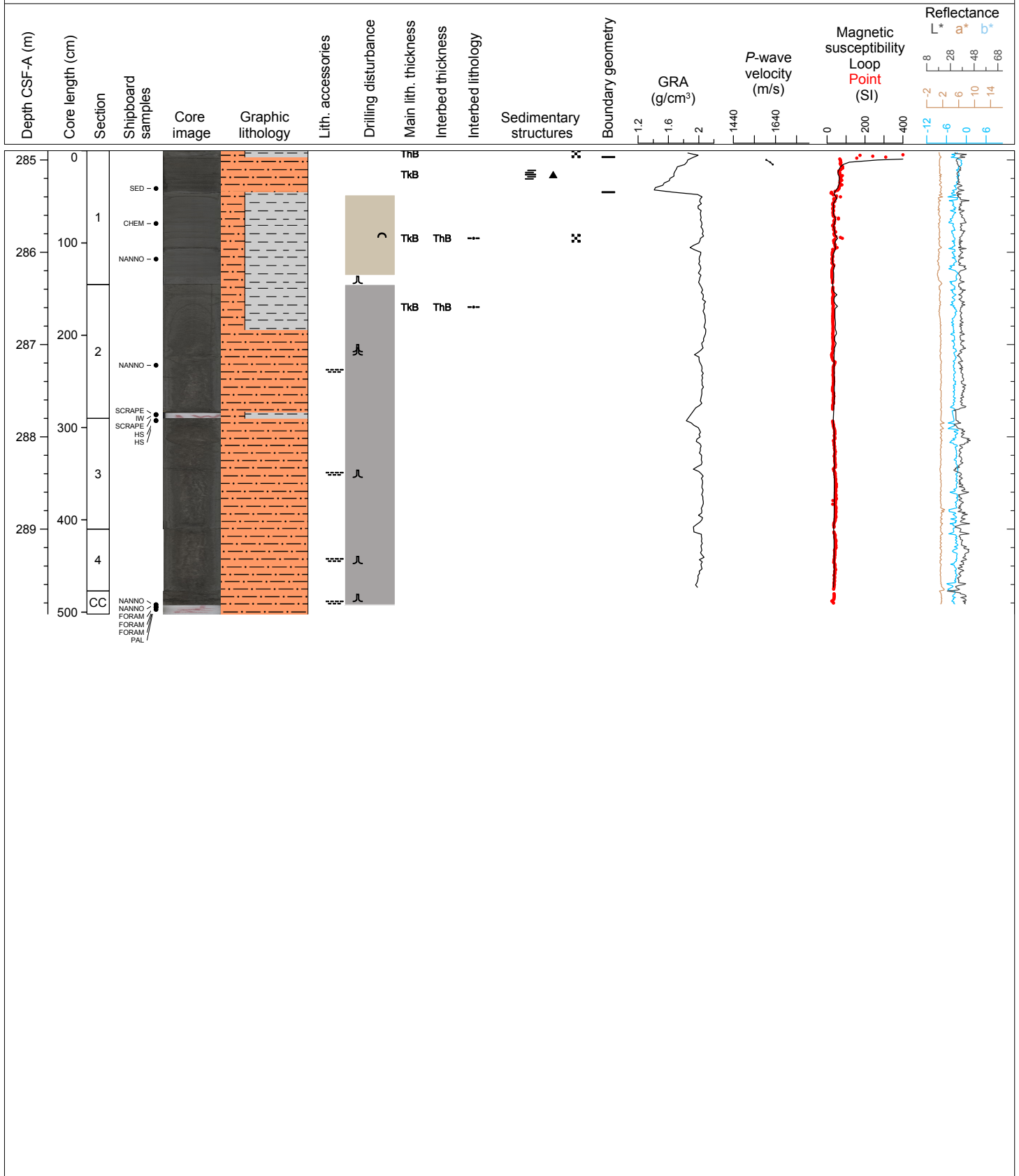
Hole 354-U1450A Core 58F, Interval 275.4-277.1 m (CSF-A)

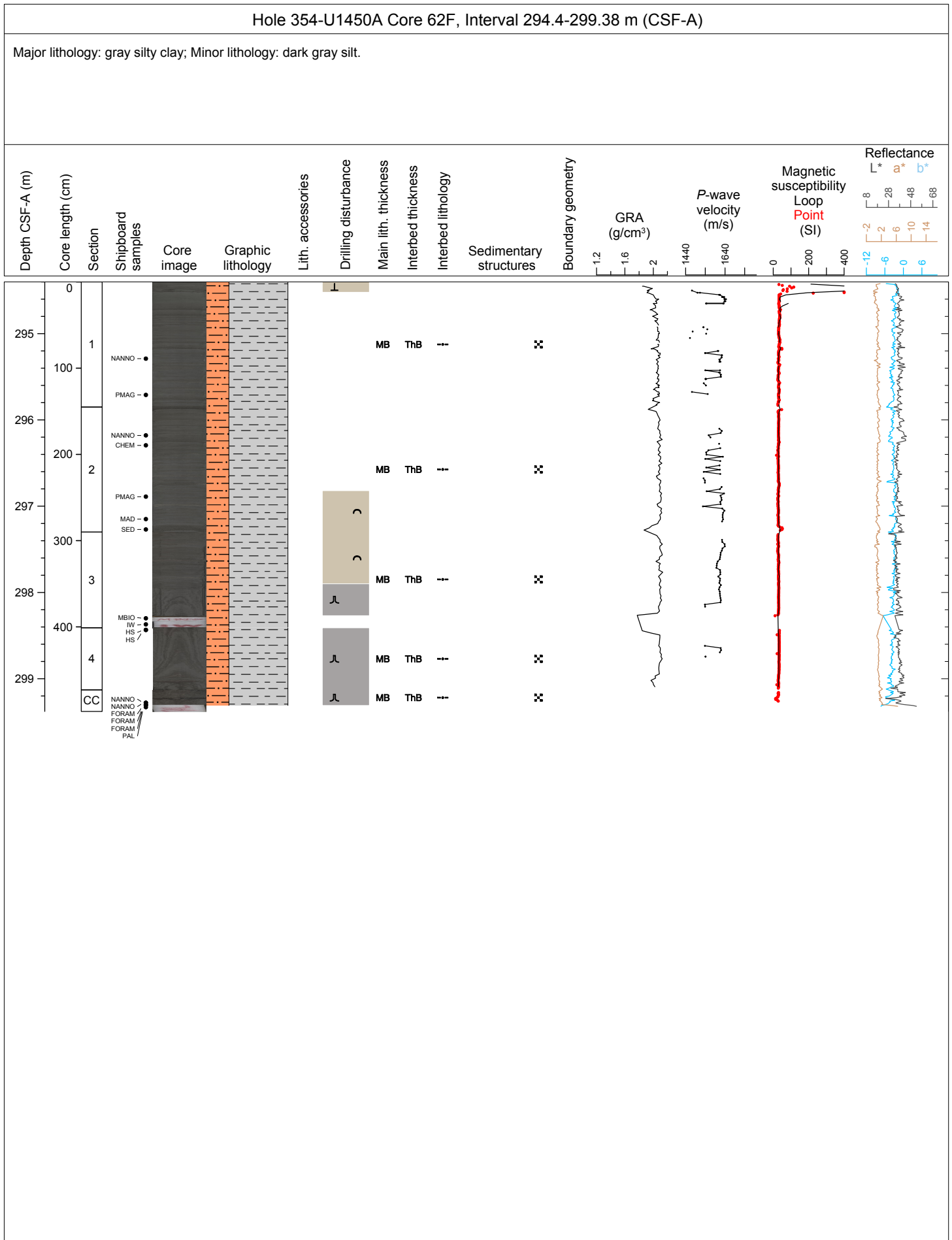
Major lithology: dark gray laminated silt; Minor lithology: dark gray laminated silty clay.



Hole 354-U1450A Core 60F, Interval 284.9-289.92 m (CSF-A)

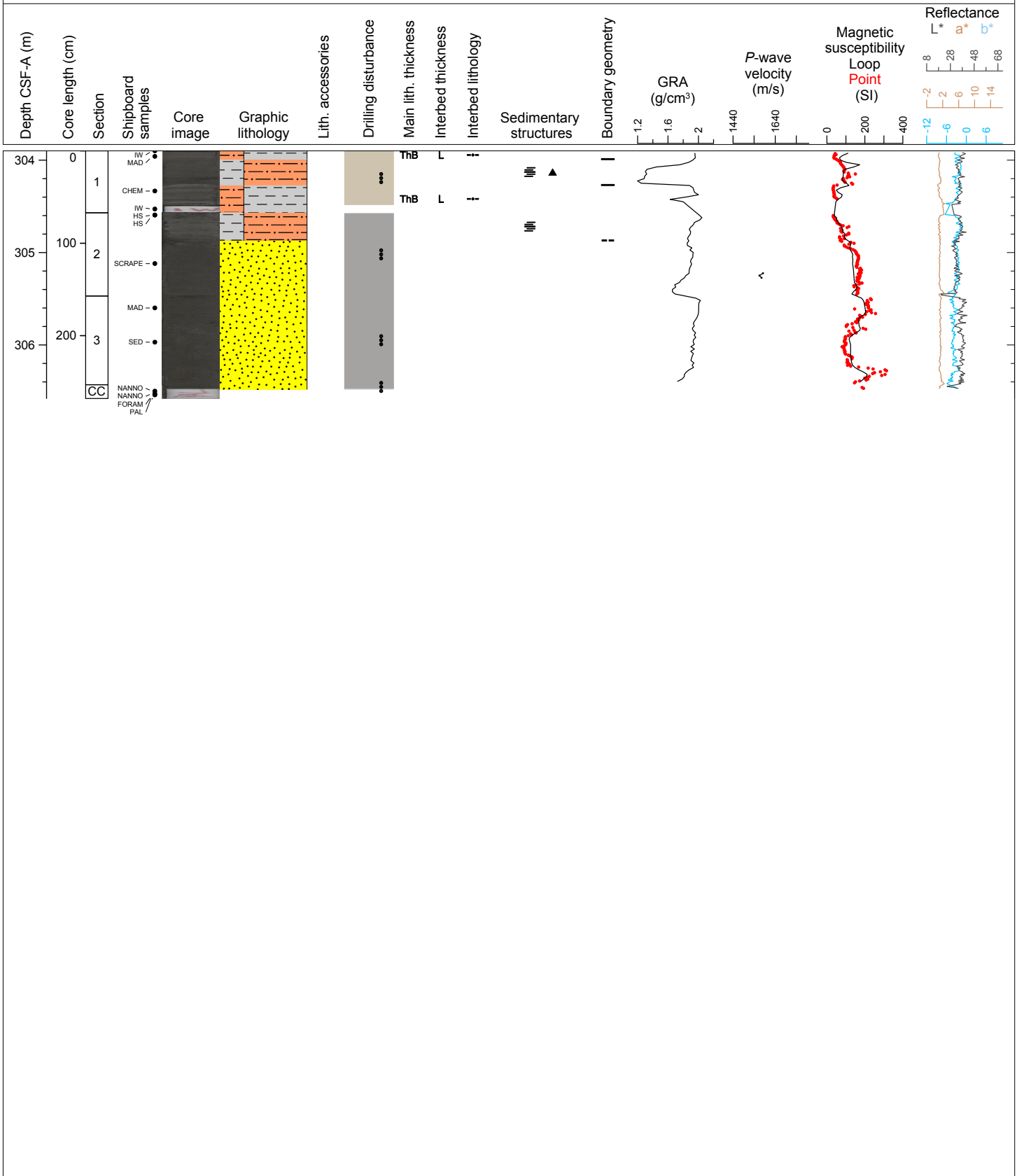
Major lithology: dark gray silty clay with thin silt interbeds; Minor lithology: normally graded laminated silt.





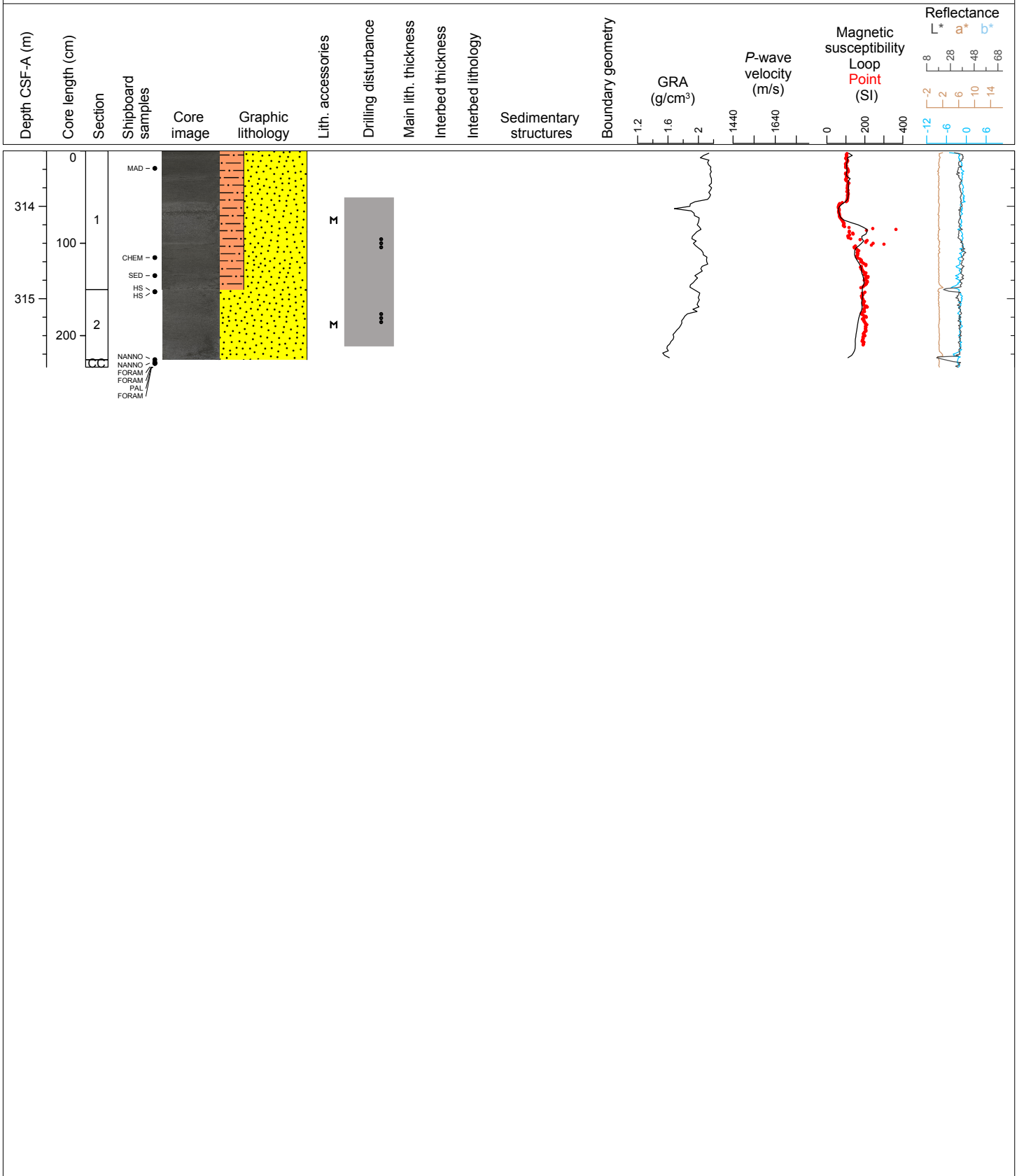
Hole 354-U1450A Core 64F, Interval 303.9-306.58 m (CSF-A)

Major lithology: clayey silt with silt laminae; Minor lithology: dark gray fine sand.



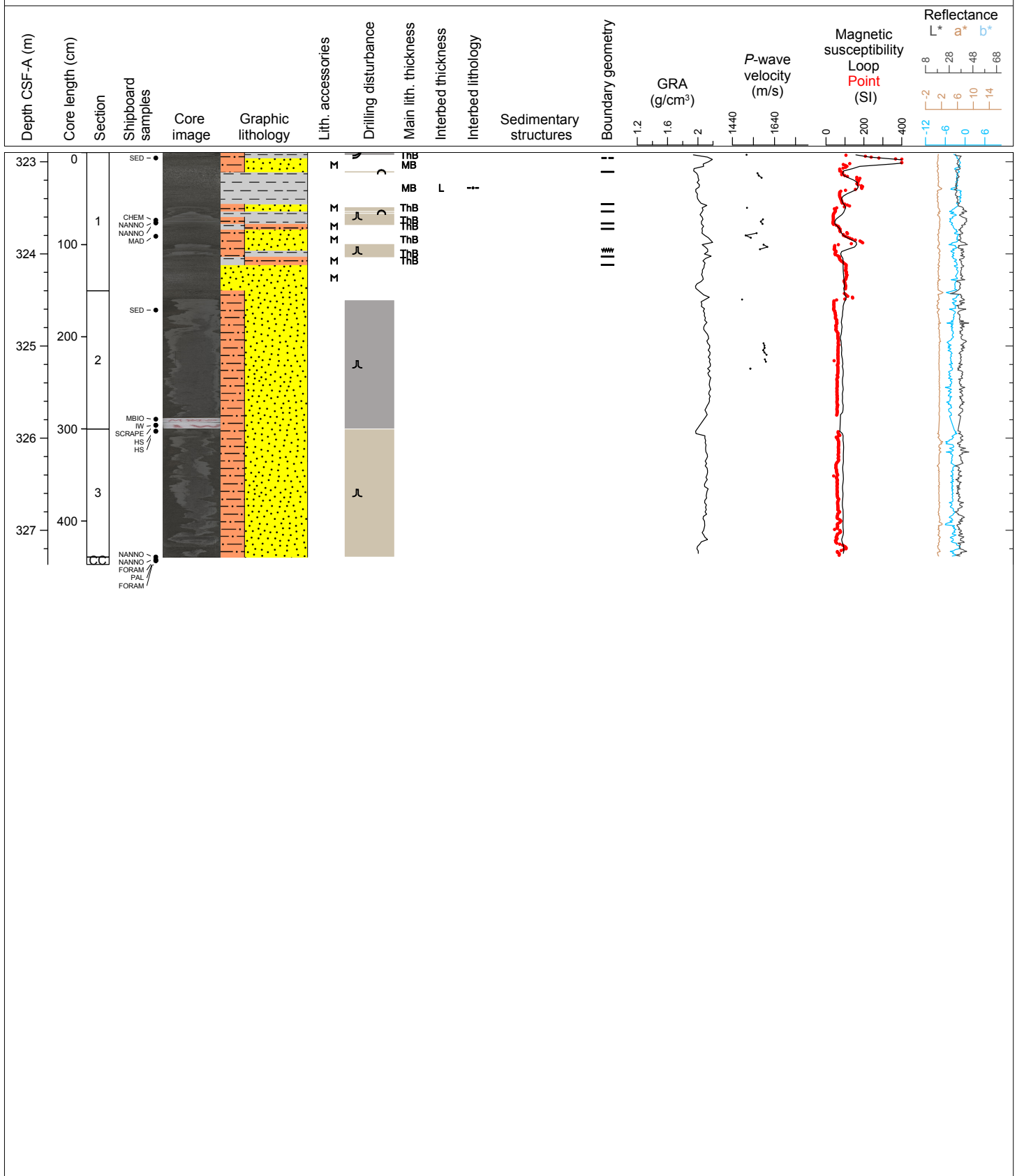
Hole 354-U1450A Core 66F, Interval 313.4-315.74 m (CSF-A)

Major lithology: dark gray silty fine sand with mica.



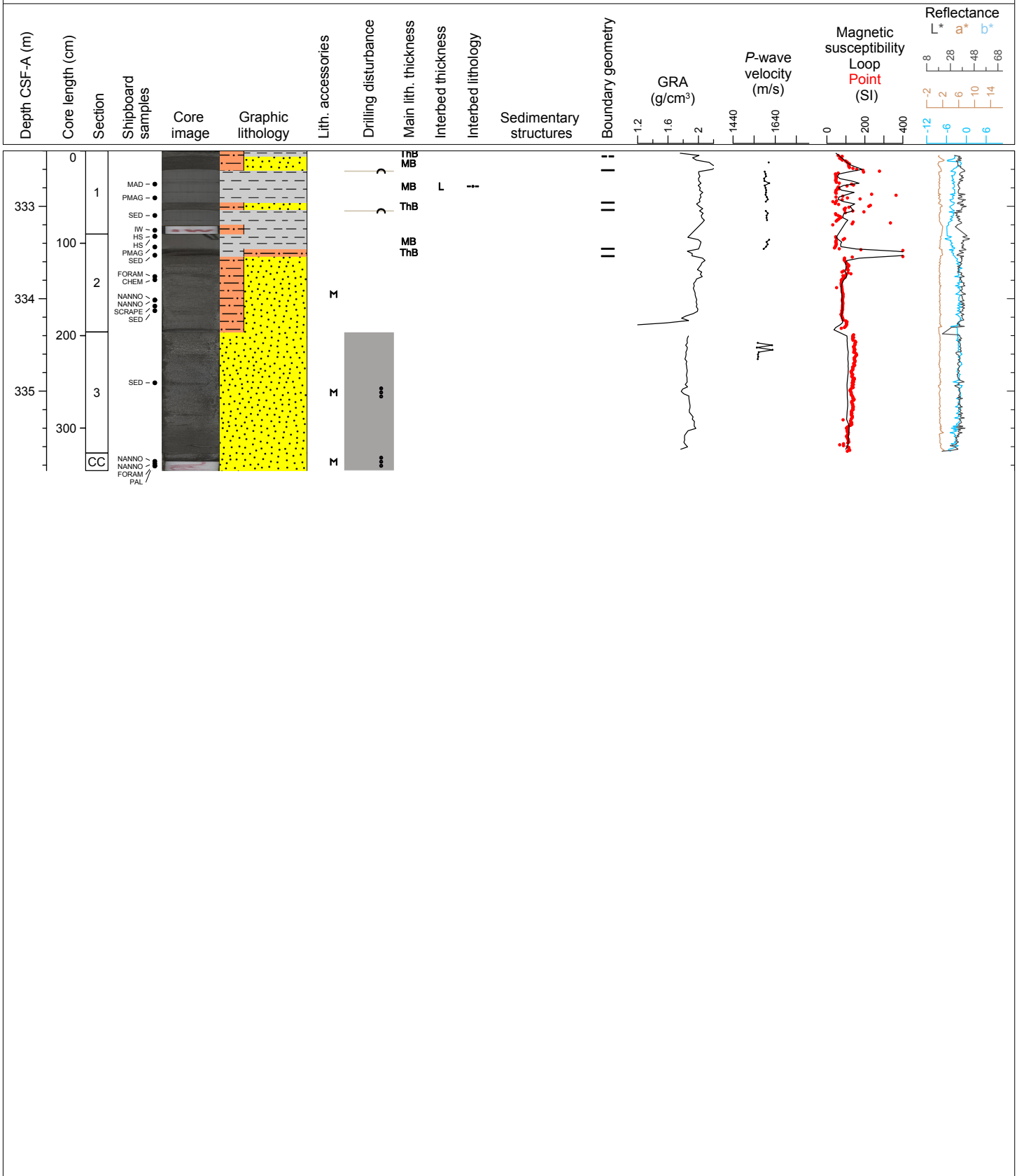
Hole 354-U1450A Core 68F, Interval 322.9-327.37 m (CSF-A)

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



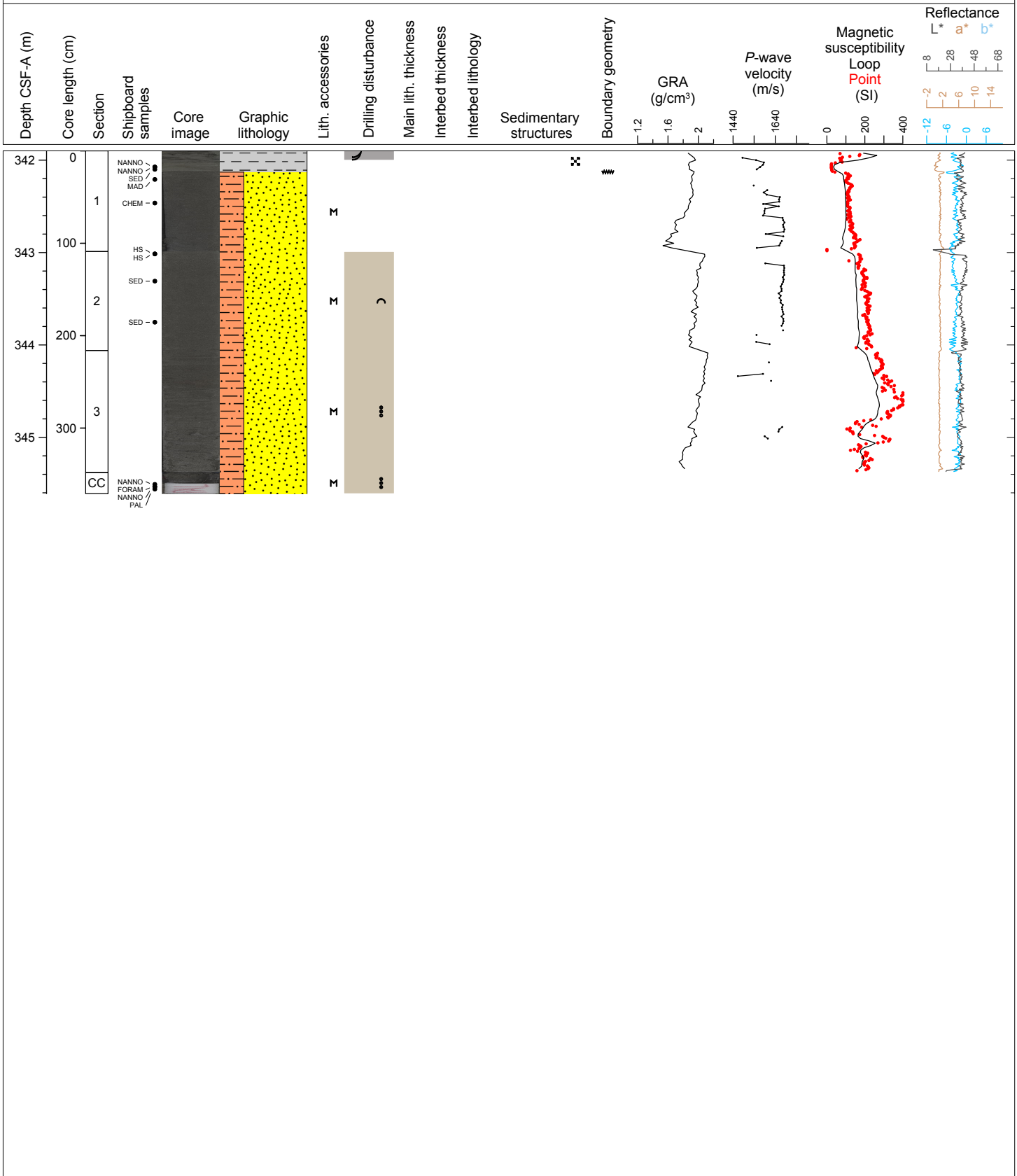
Hole 354-U1450A Core 70F, Interval 332.4-335.86 m (CSF-A)

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



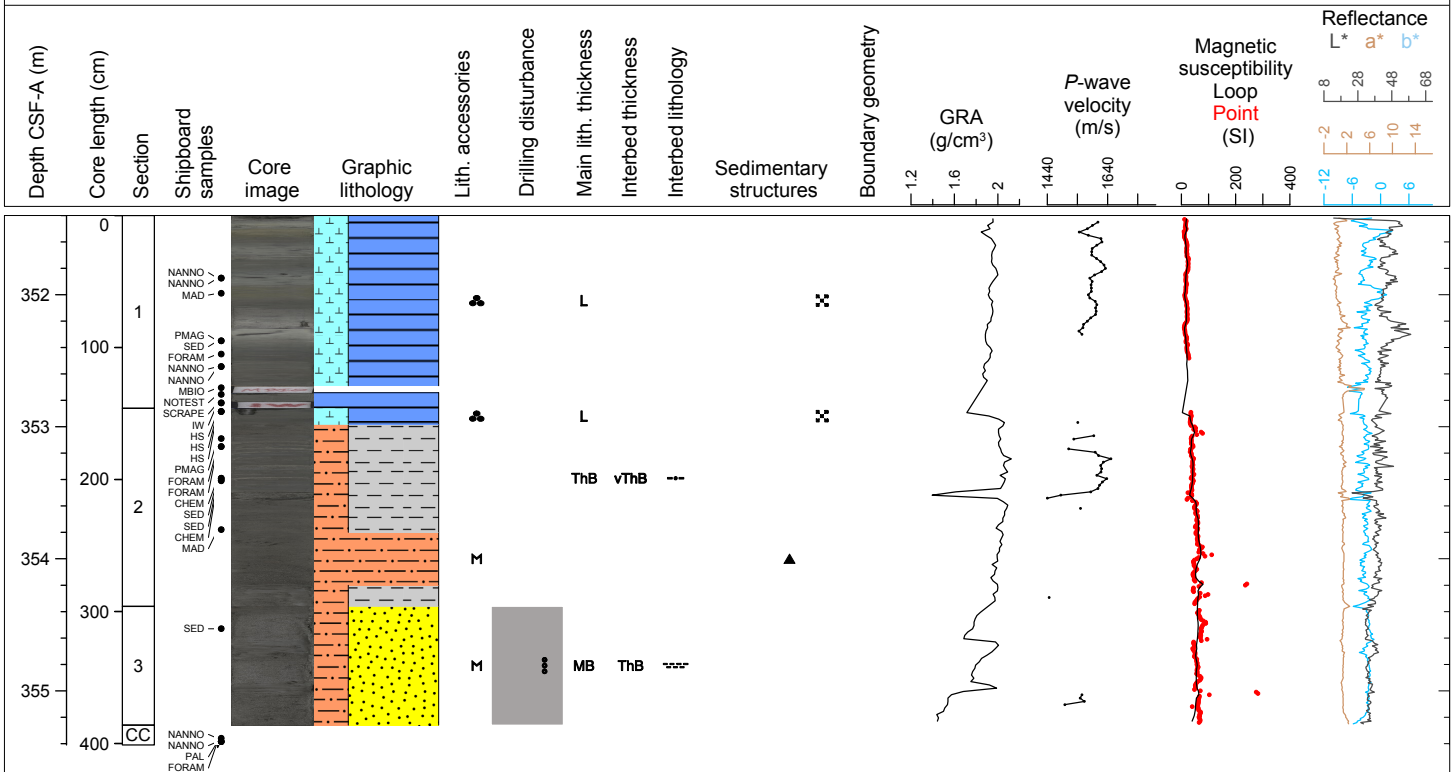
Hole 354-U1450A Core 72F, Interval 341.9-345.61 m (CSF-A)

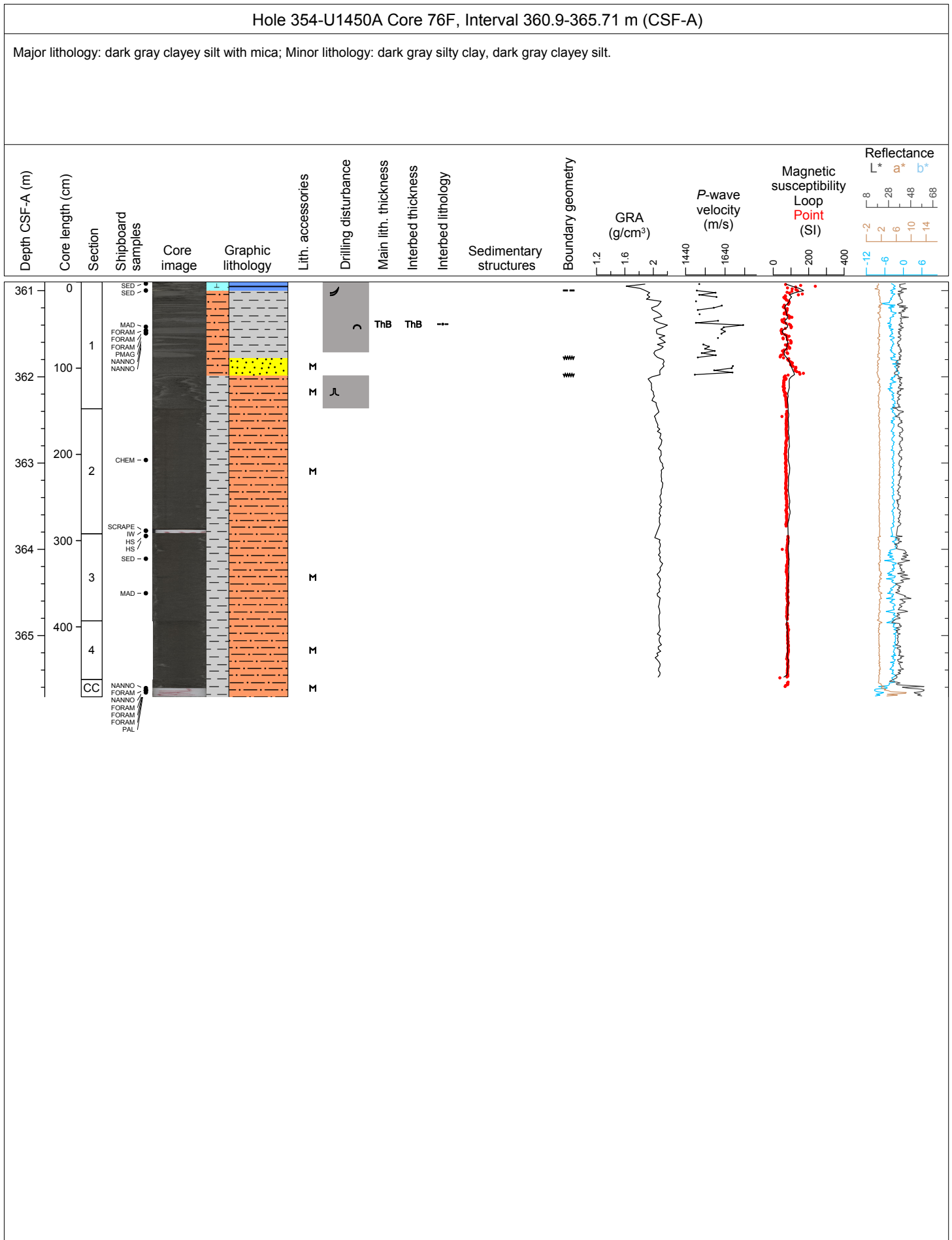
Major lithology: dark gray micaceous silty fine sand; Minor lithology: greenish gray clay.



Hole 354-U1450A Core 74F, Interval 351.4-355.41 m (CSF-A)

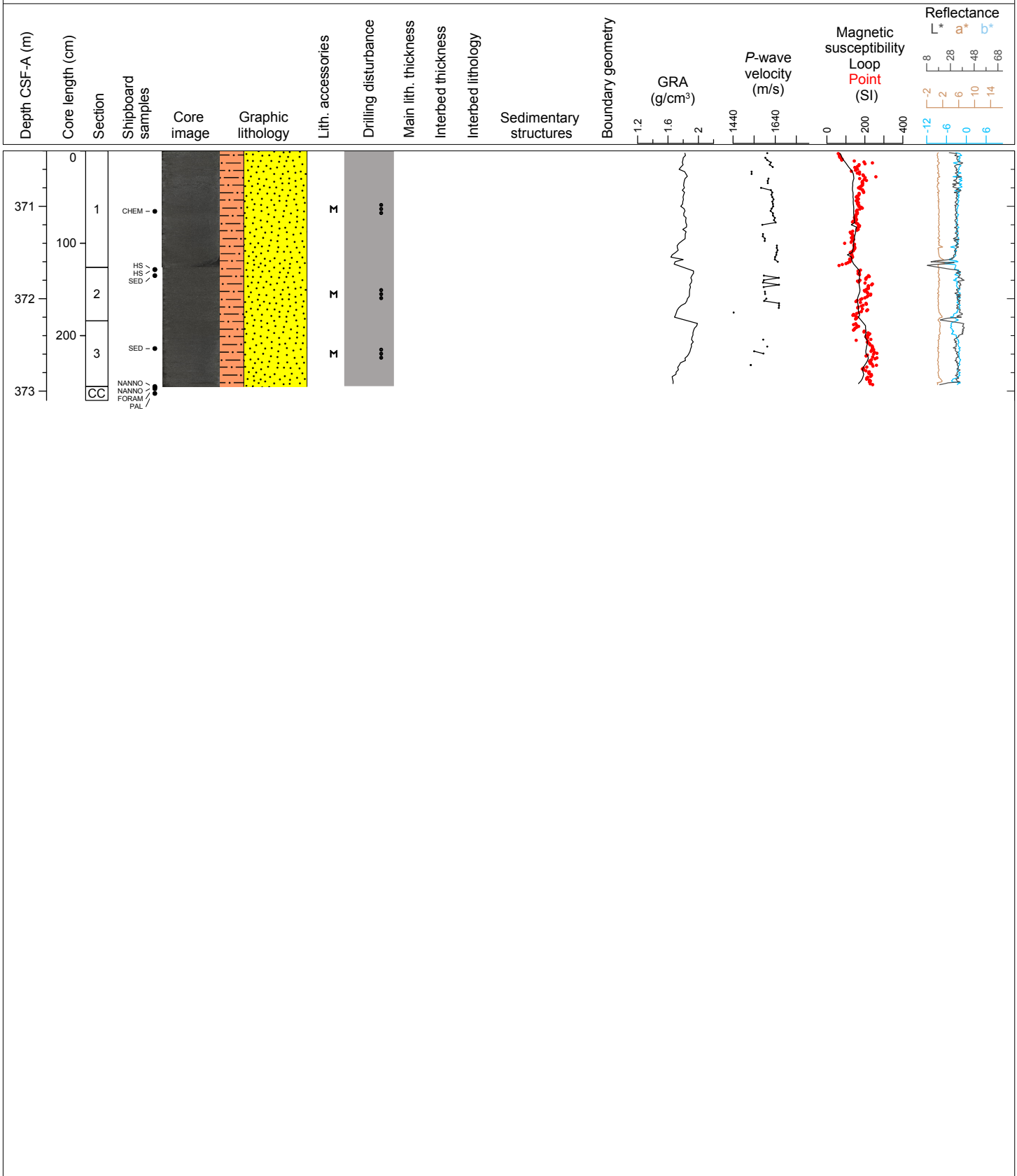
Major lithology: laminated nannofossil-rich calcareous clay with foraminifers (white, greenish, gray); Minor lithology: dark gray silty clay and silty fine sand with mica.





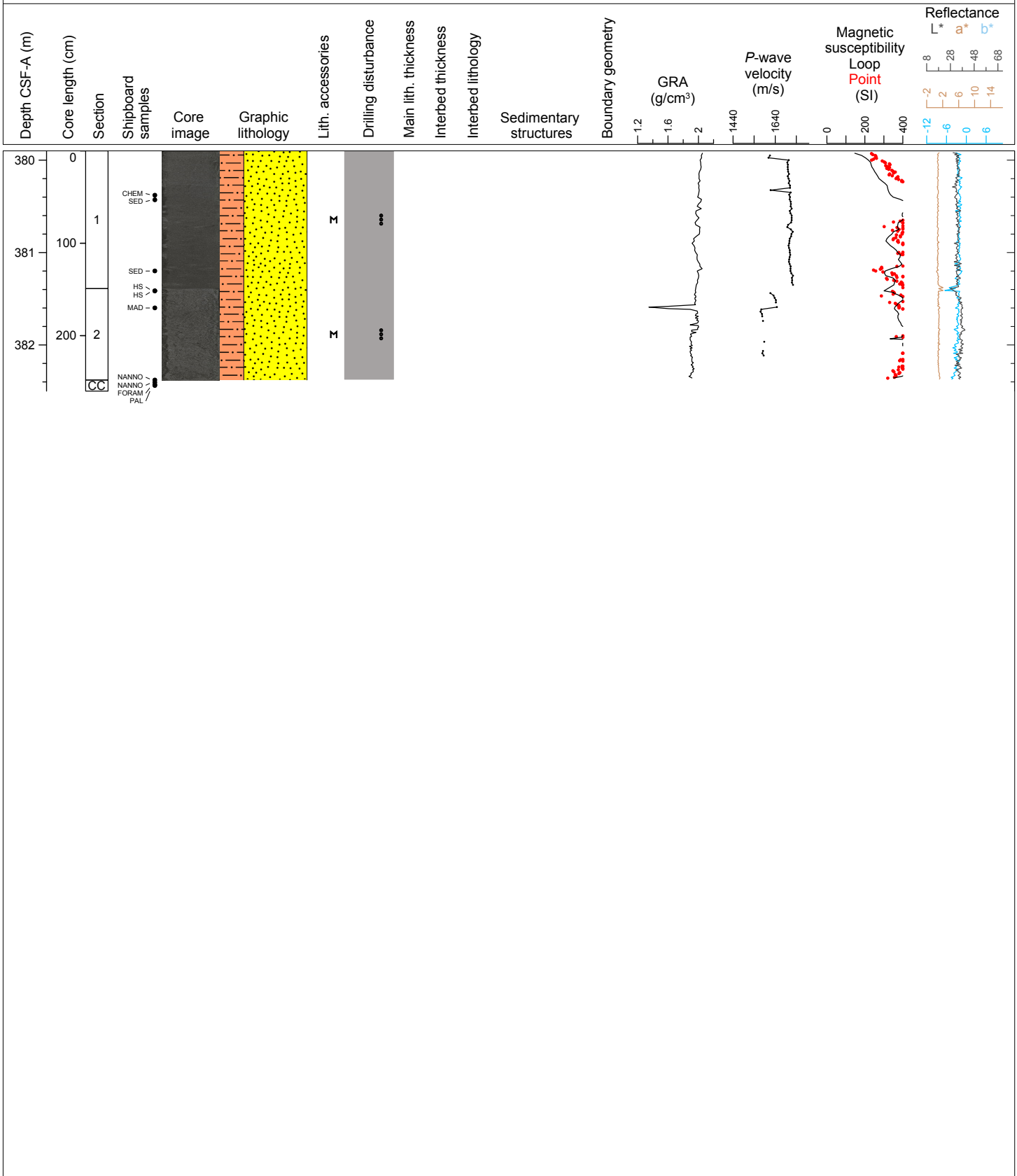
Hole 354-U1450A Core 78F, Interval 370.4-373.1 m (CSF-A)

Major lithology: dark gray silty fine sand with mica.



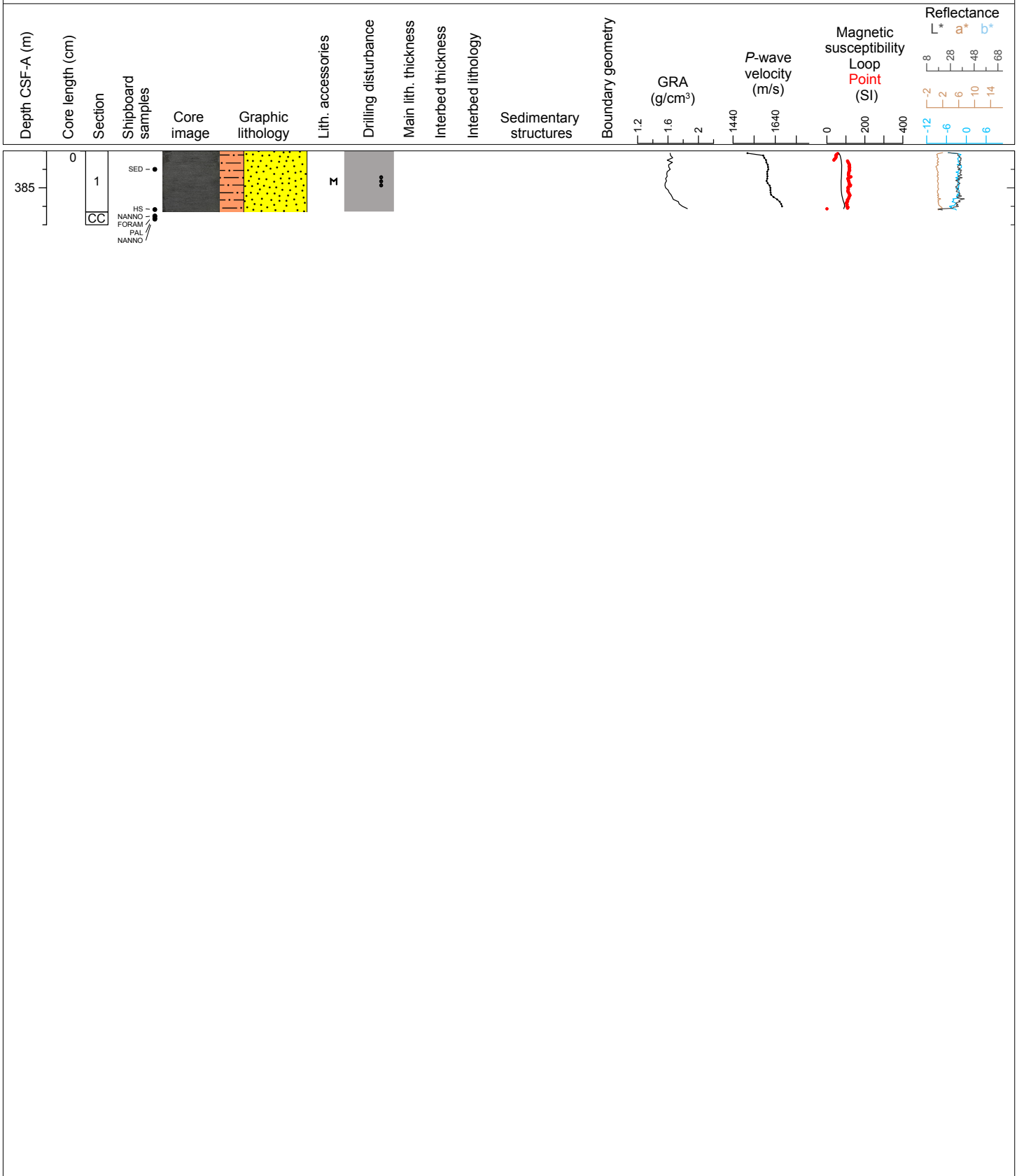
Hole 354-U1450A Core 80F, Interval 379.9-382.5 m (CSF-A)

Major lithology: dark gray silty fine sand with mica.



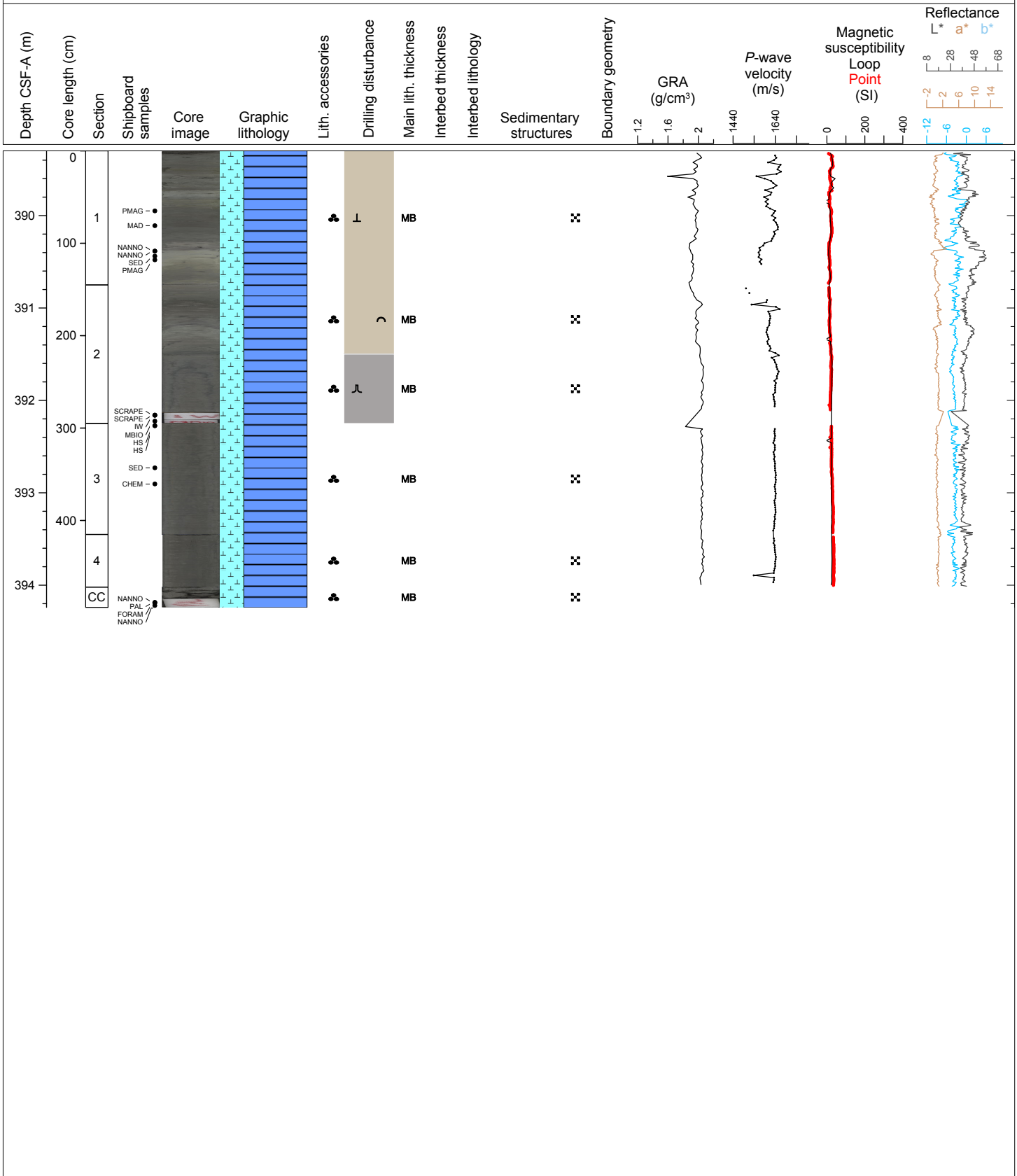
Hole 354-U1450A Core 81F, Interval 384.6-385.4 m (CSF-A)

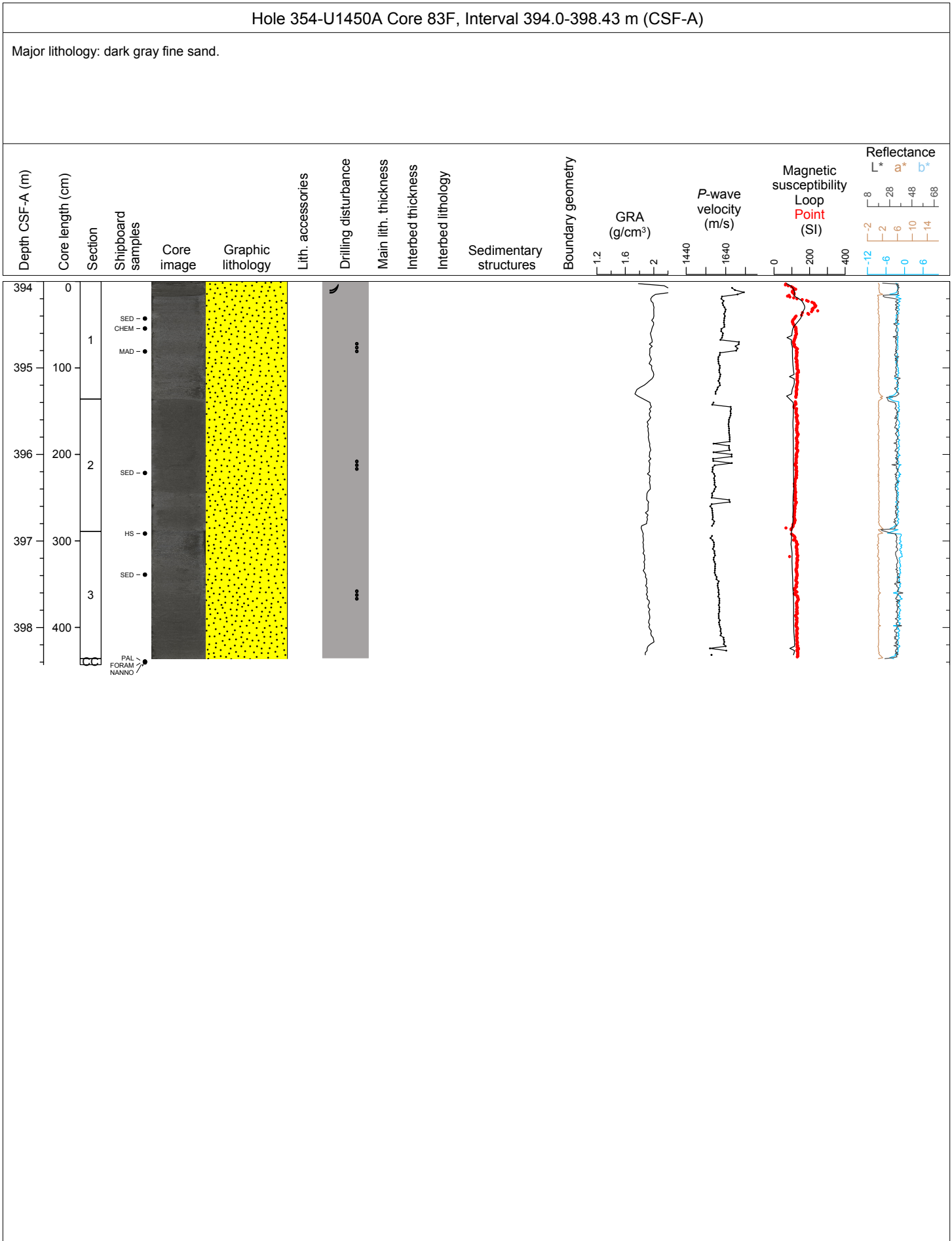
Major lithology: dark gray silty fine sand with mica.



Hole 354-U1450A Core 82F, Interval 389.3-394.24 m (CSF-A)

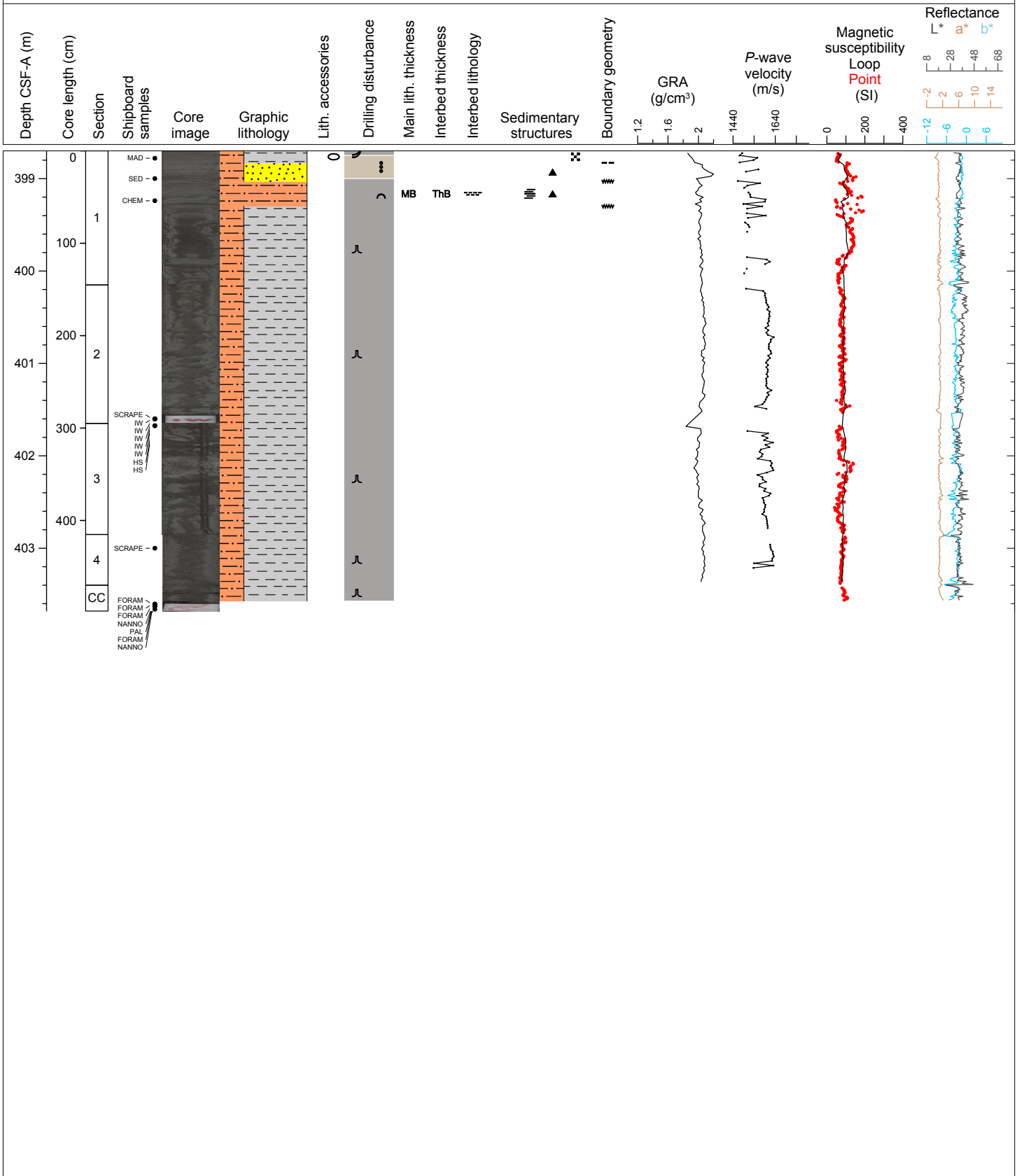
Major lithology: greenish white to greenish gray nannofossil rich calcareous clay with foraminifers.

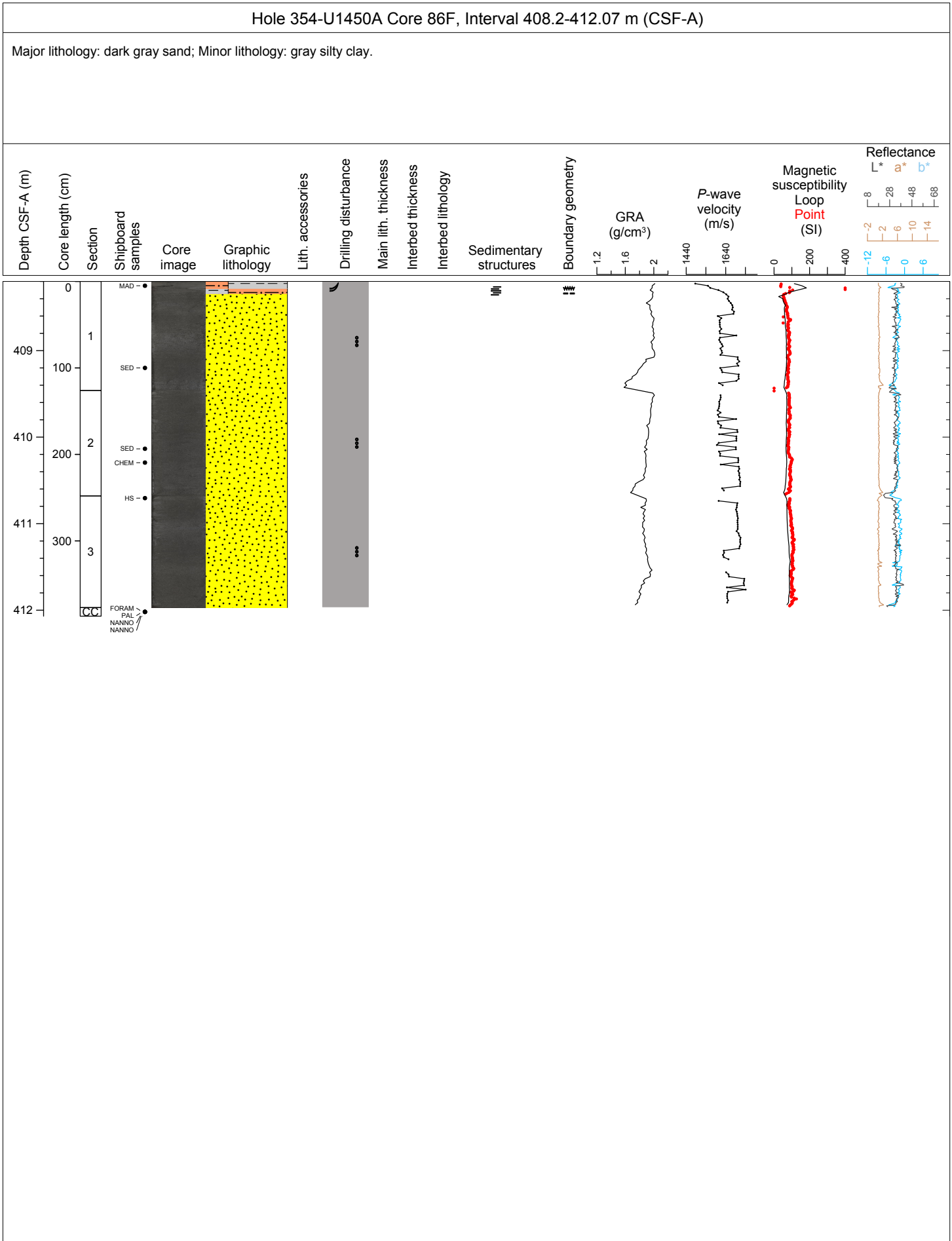




Hole 354-U1450A Core 84F, Interval 398.7-403.68 m (CSF-A)

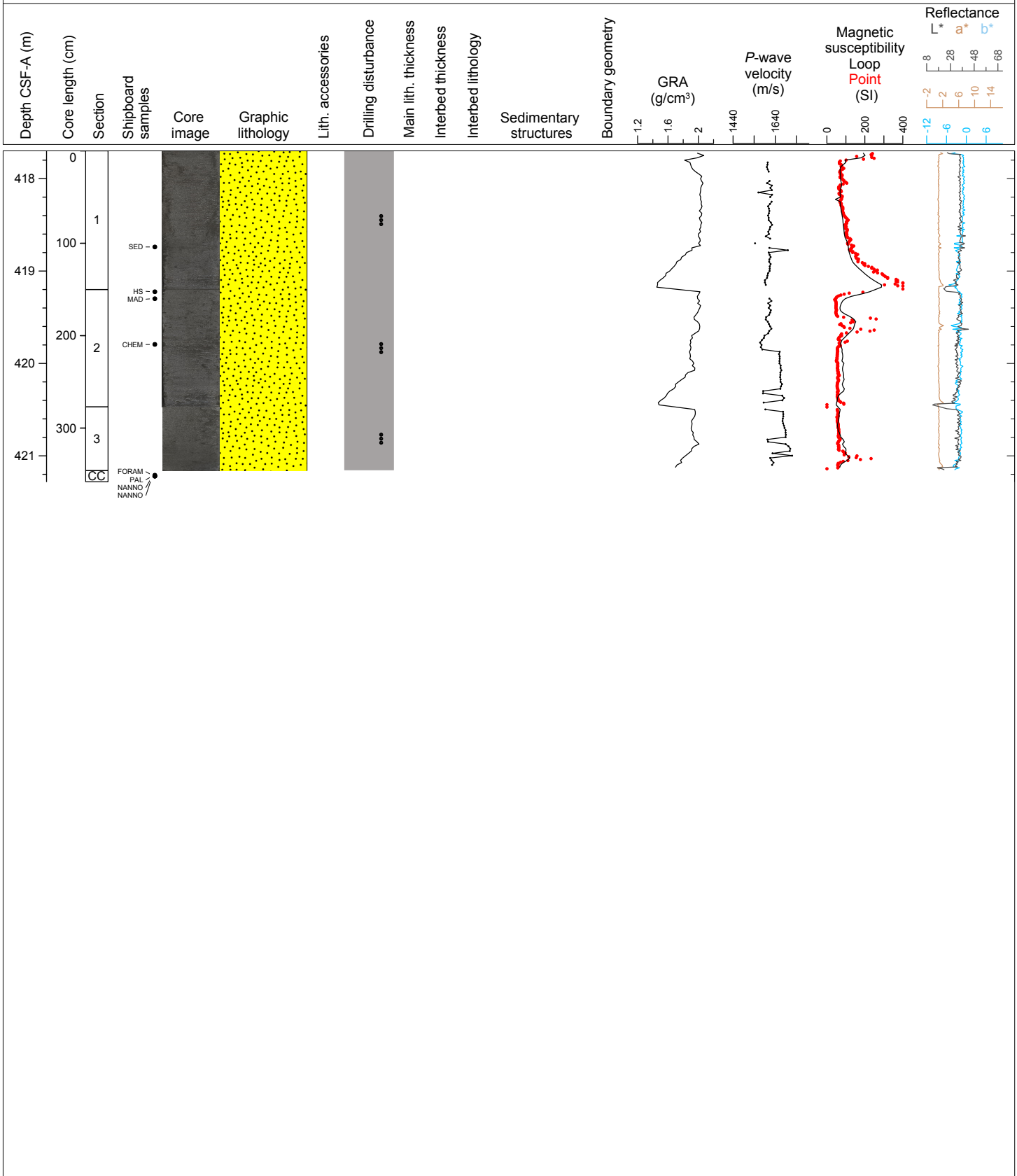
Major lithology: dark gray silty clay; Minor lithology: dark gray silt.





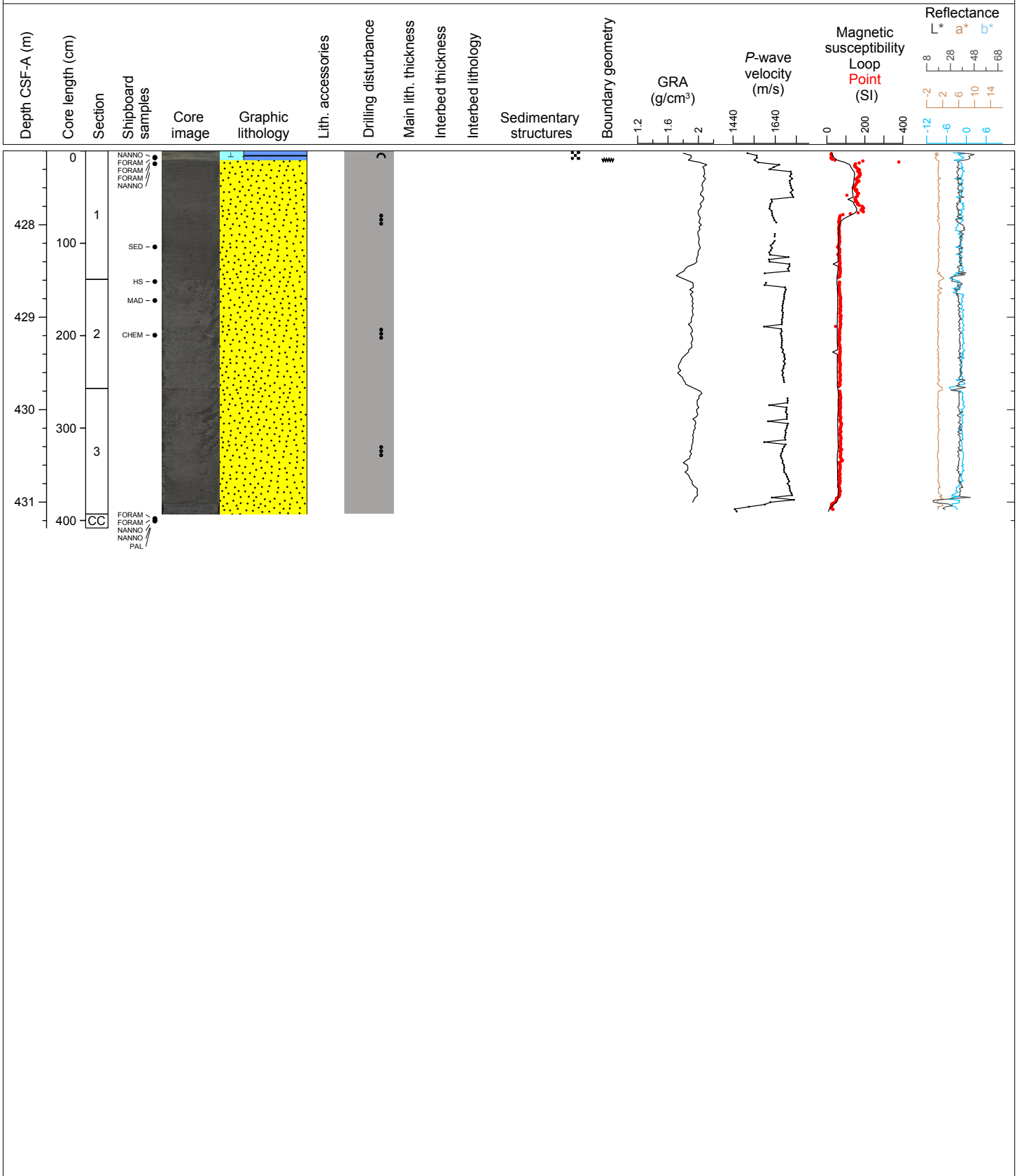
Hole 354-U1450A Core 88F, Interval 417.7-421.28 m (CSF-A)

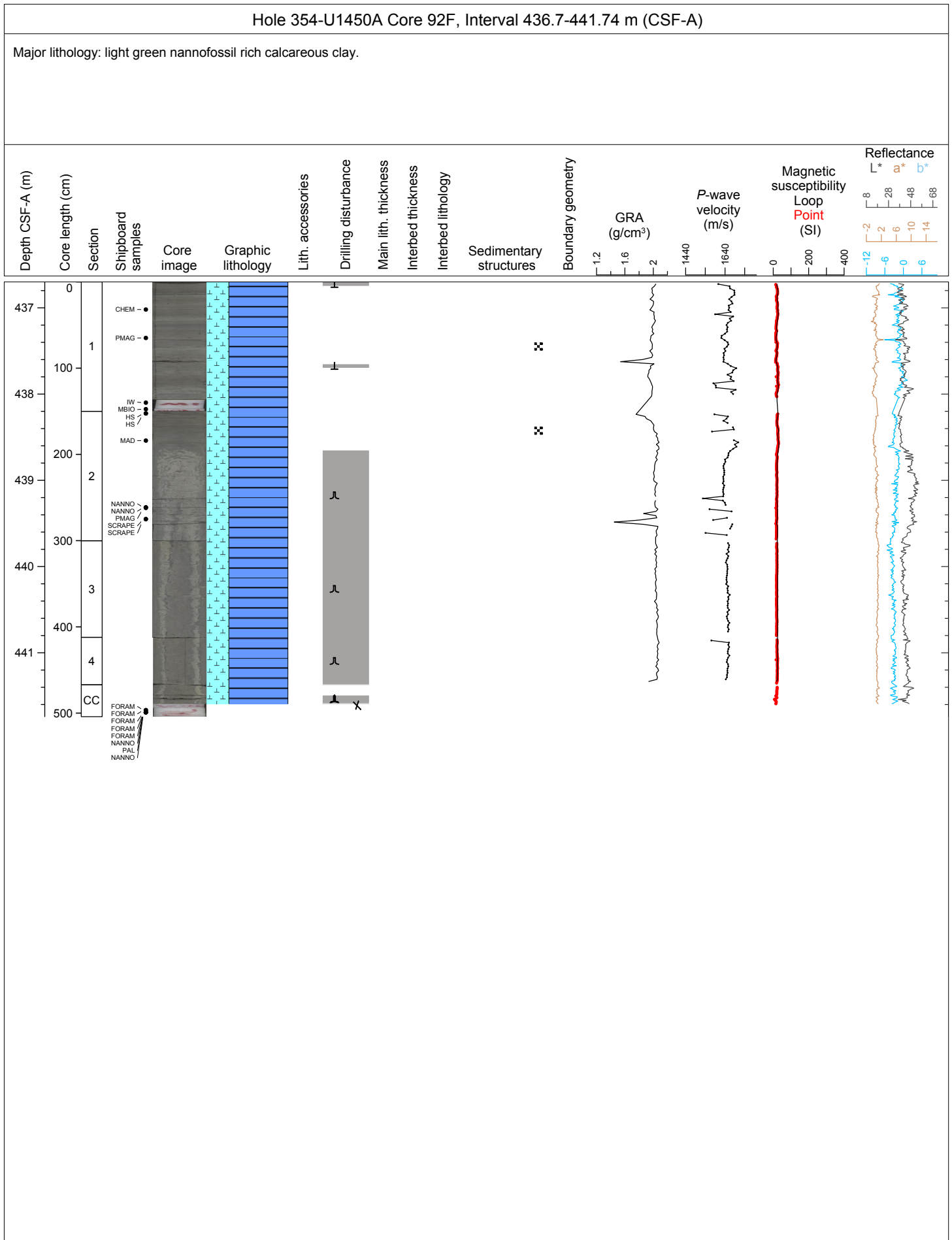
Major lithology: dark gray fine sand.

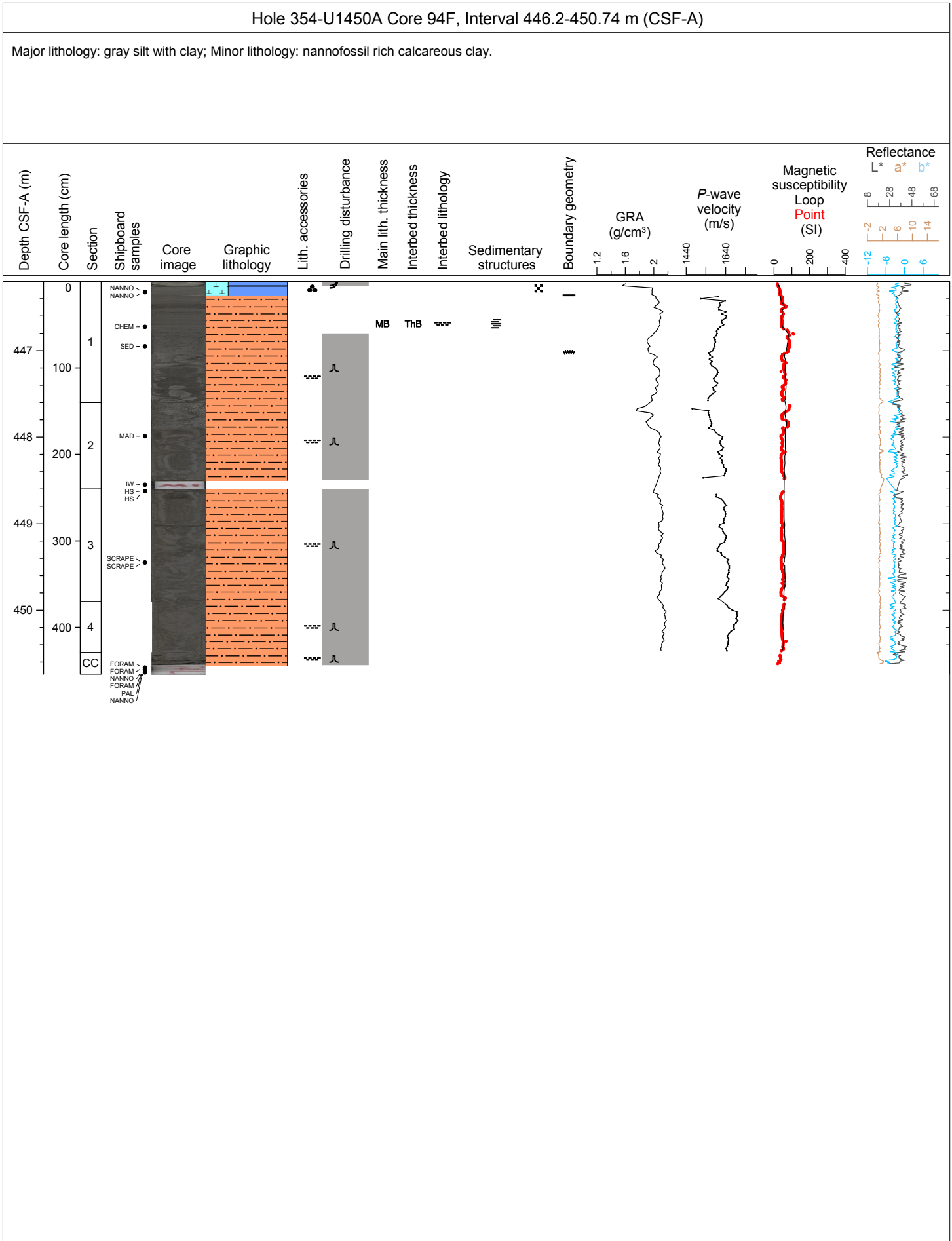


Hole 354-U1450A Core 90F, Interval 427.2-431.28 m (CSF-A)

Major lithology: dark gray fine sand ; Minor lithology: greenish gray nannofossil rich calcareous clay at core top.

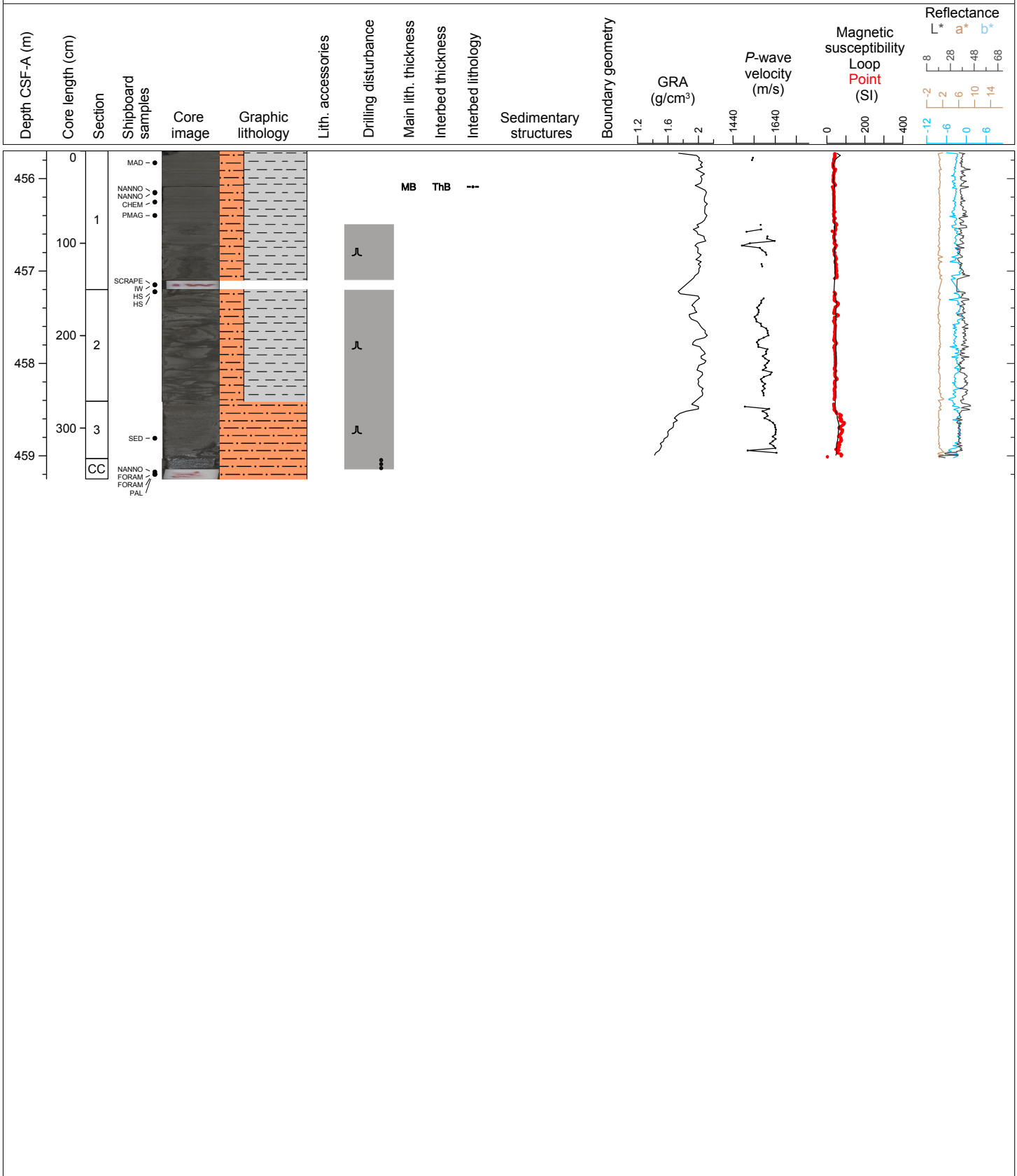






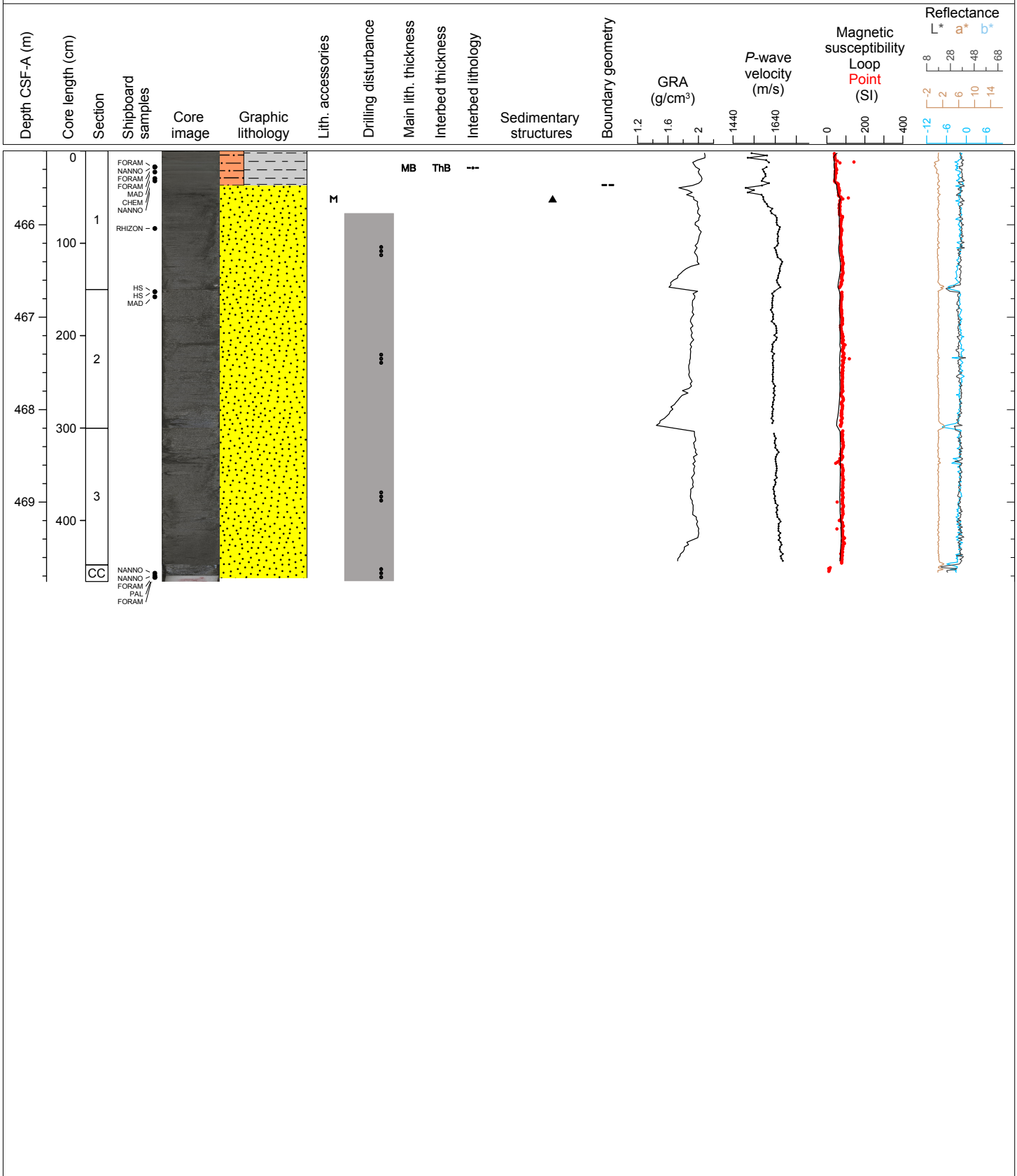
Hole 354-U1450A Core 96F, Interval 455.7-459.25 m (CSF-A)

Major lithology: dark gray silty clay; Minor lithology: dark gray silt.



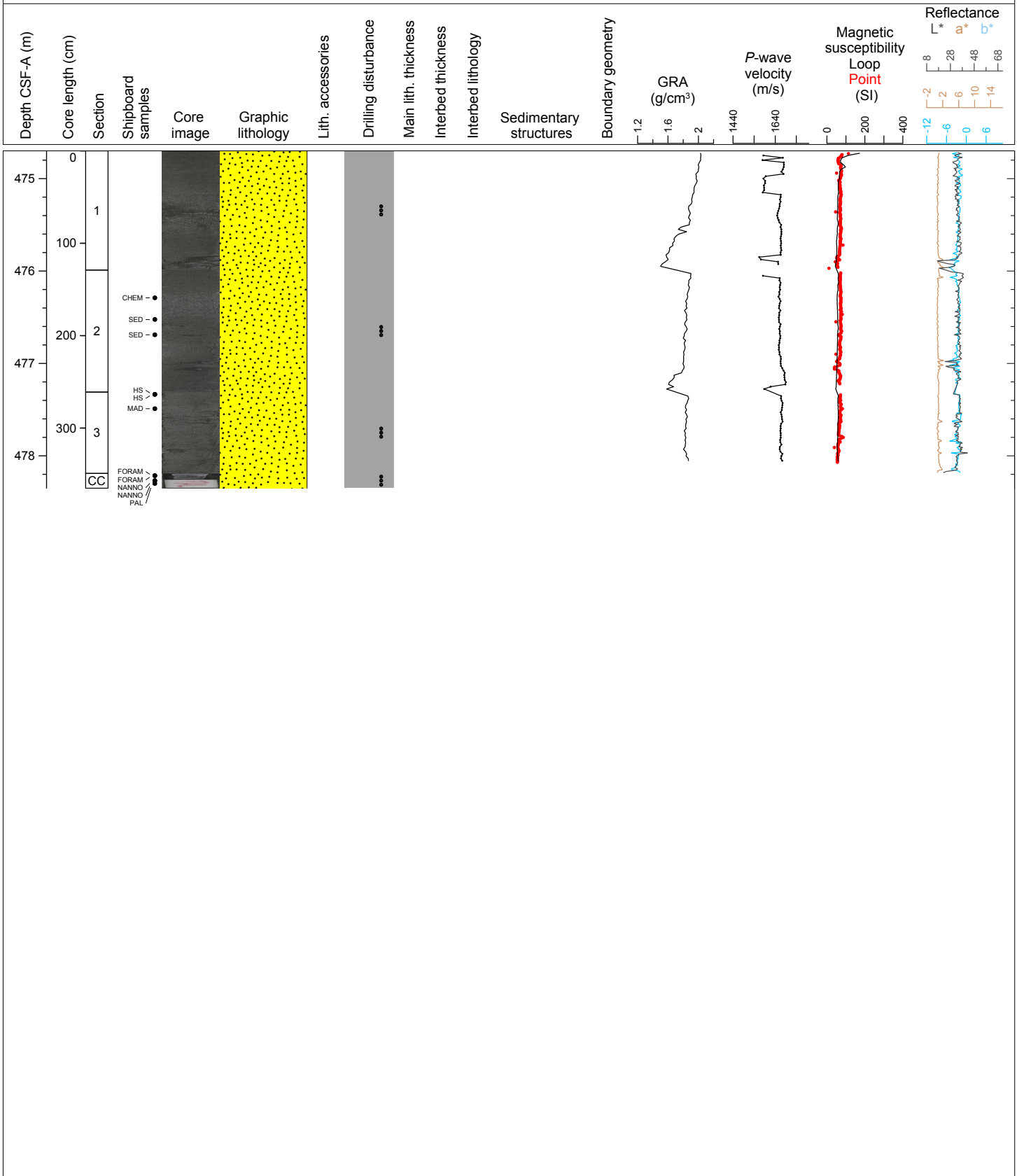
Hole 354-U1450A Core 98F, Interval 465.2-469.86 m (CSF-A)

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



Hole 354-U1450A Core 100F, Interval 474.7-478.35 m (CSF-A)

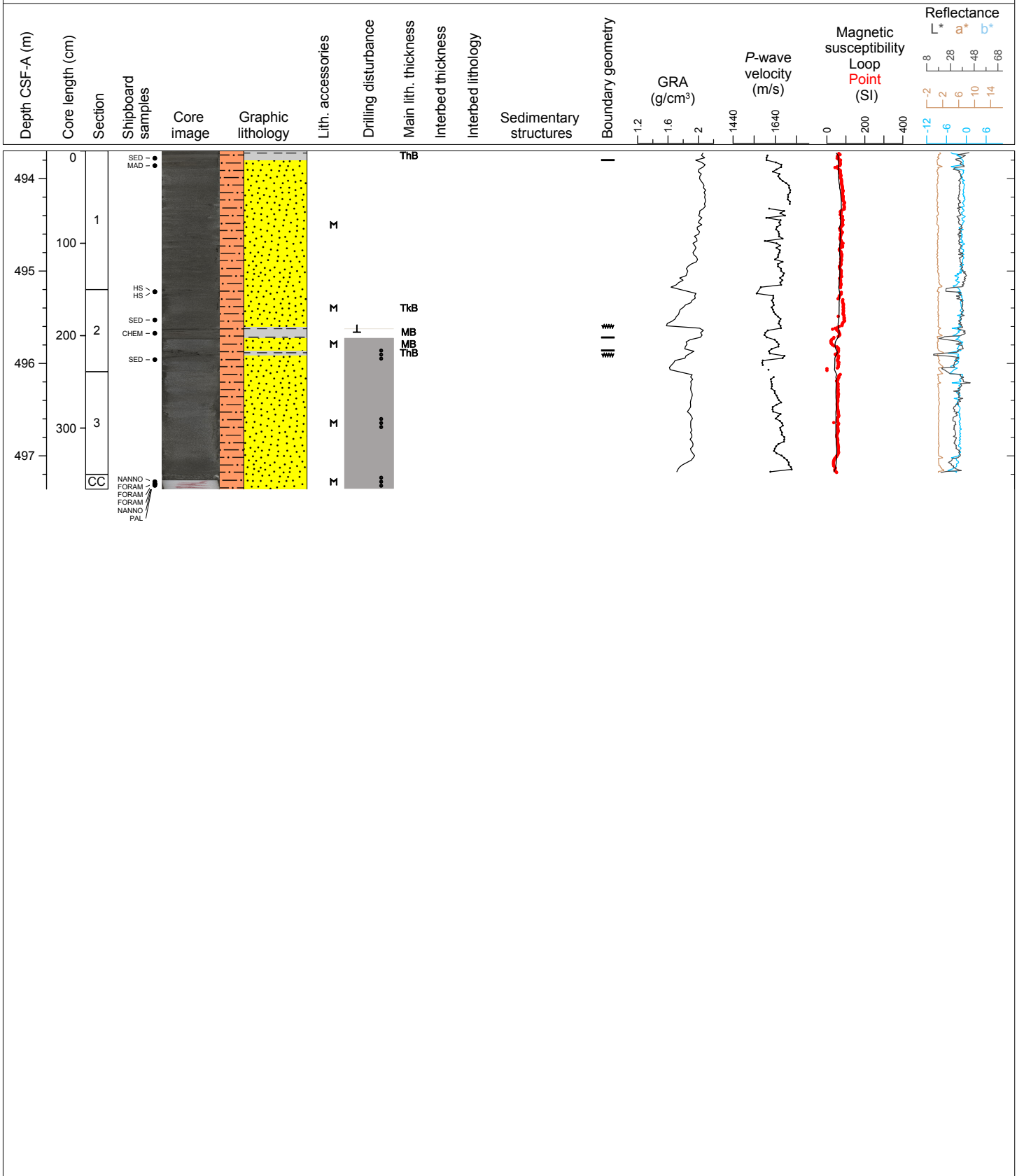
Major lithology: dark gray fine sand.

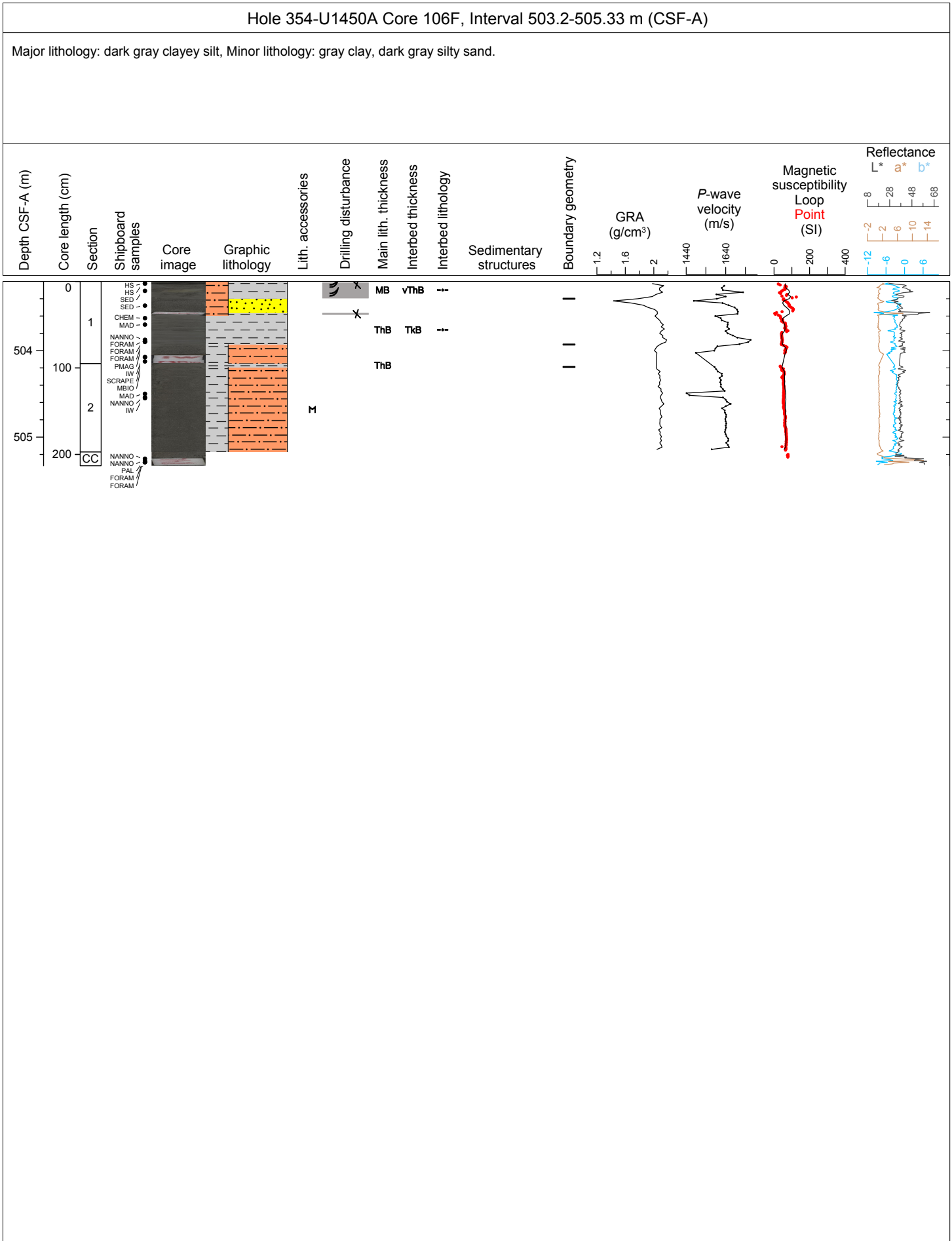


U1450A-1011 Drilled interval, U1450A-102F All to Paleo, and U1450A-1031 Drilled interval

Hole 354-U1450A Core 104F, Interval 493.7-497.36 m (CSF-A)

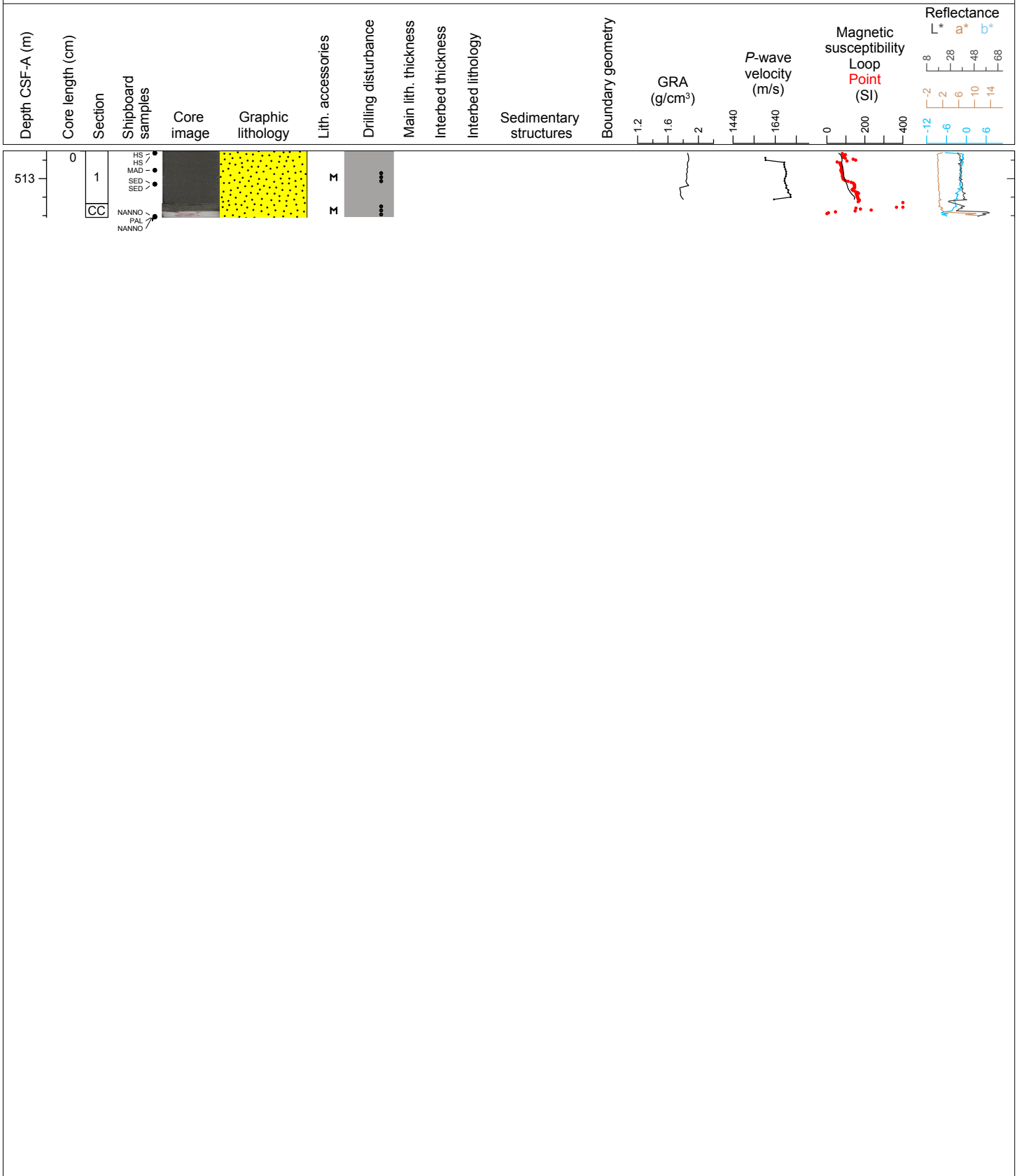
Major lithology: dark gray silty fine sand with mica; Minor lithology: dark gray silty clay.





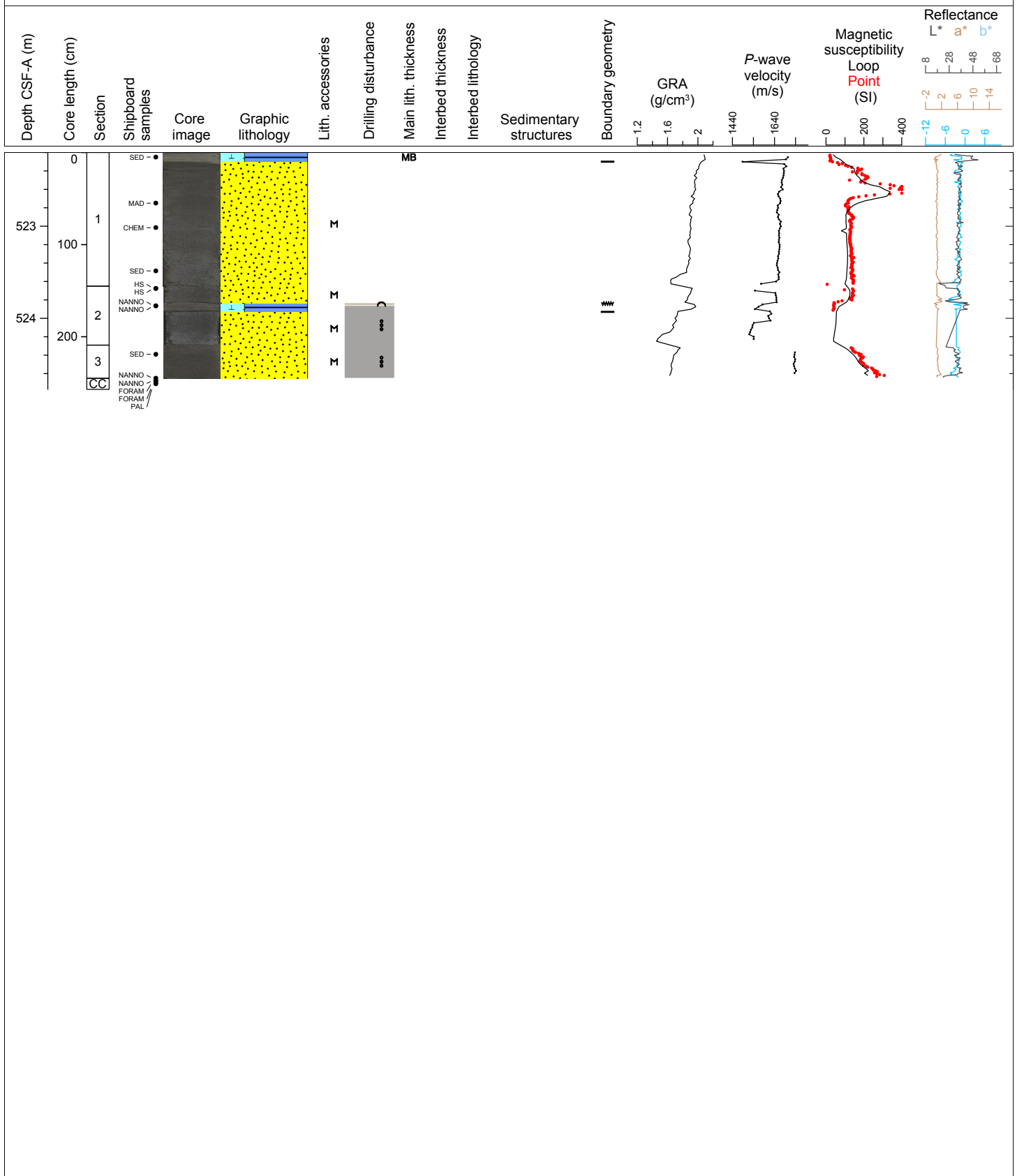
Hole 354-U1450A Core 108F, Interval 512.7-513.42 m (CSF-A)

Major lithology: dark gray fine sand with mica.



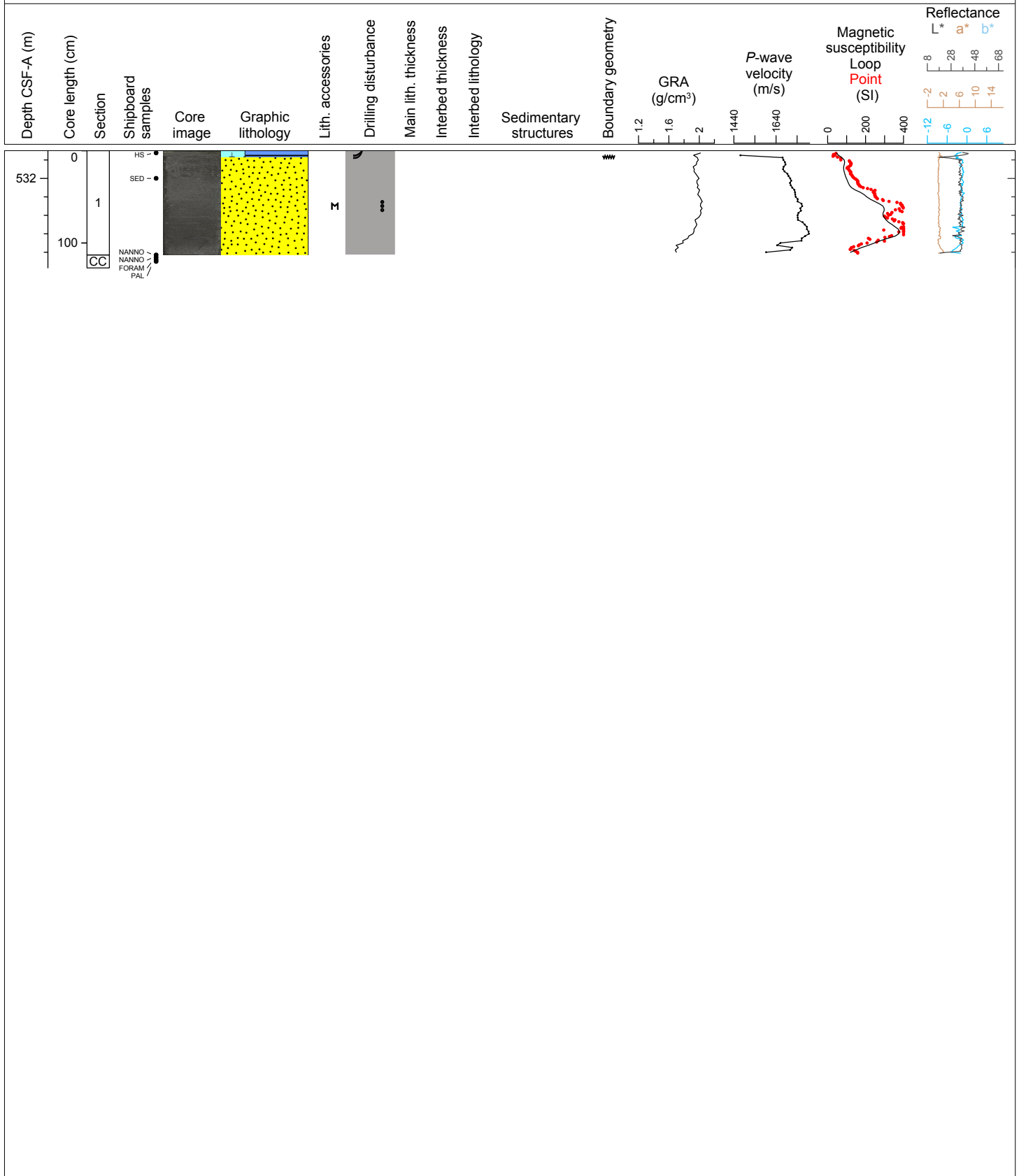
Hole 354-U1450A Core 110F, Interval 522.2-524.77 m (CSF-A)

Major lithology: dark gray fine sand; Minor Lithology: two thin beds of nannofossils rich calcareous clay.



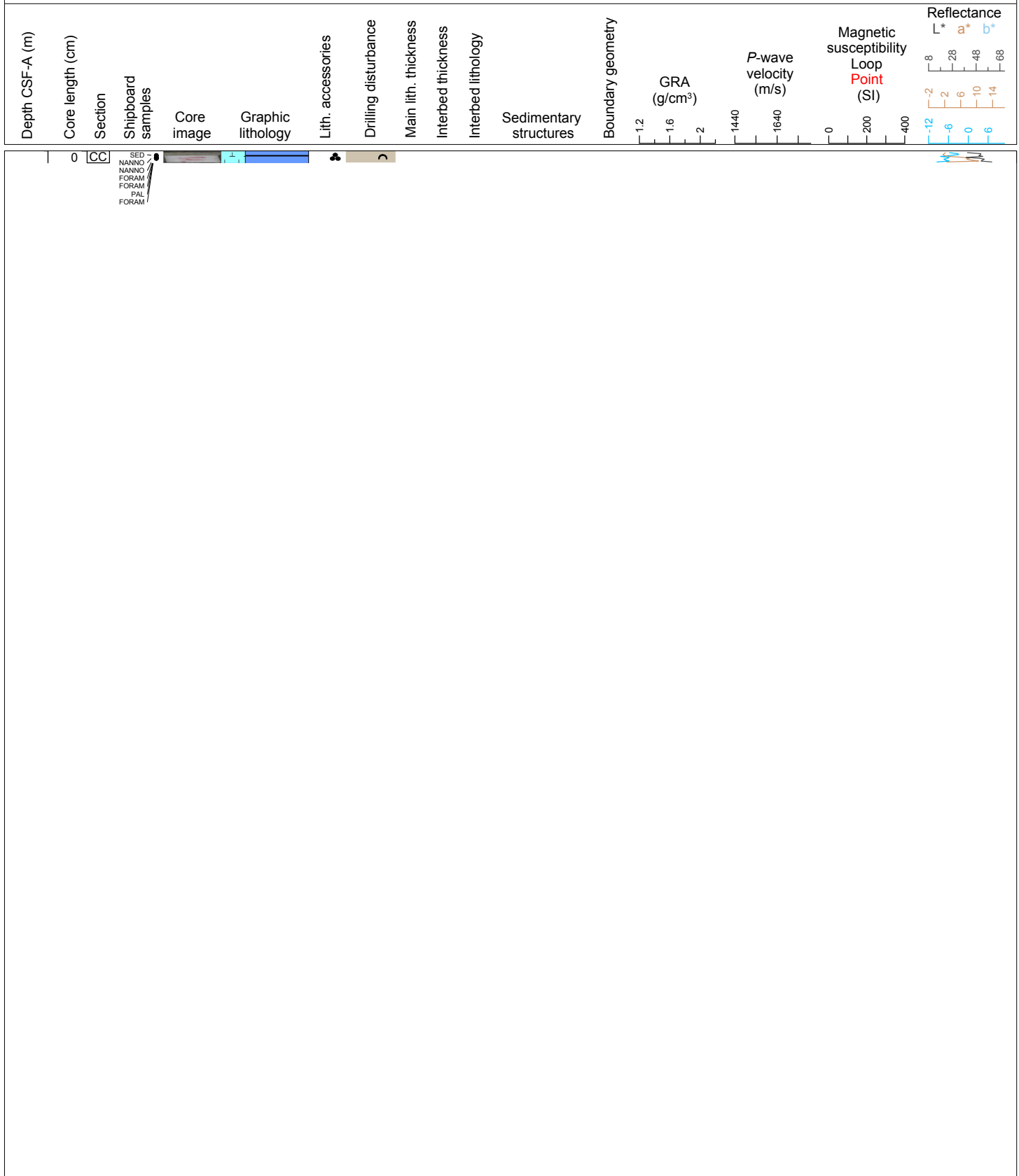
Hole 354-U1450A Core 112F, Interval 531.7-532.97 m (CSF-A)

Major lithology: dark gray fine sand; Minor lithology: nannofossil rich calcareous clay.



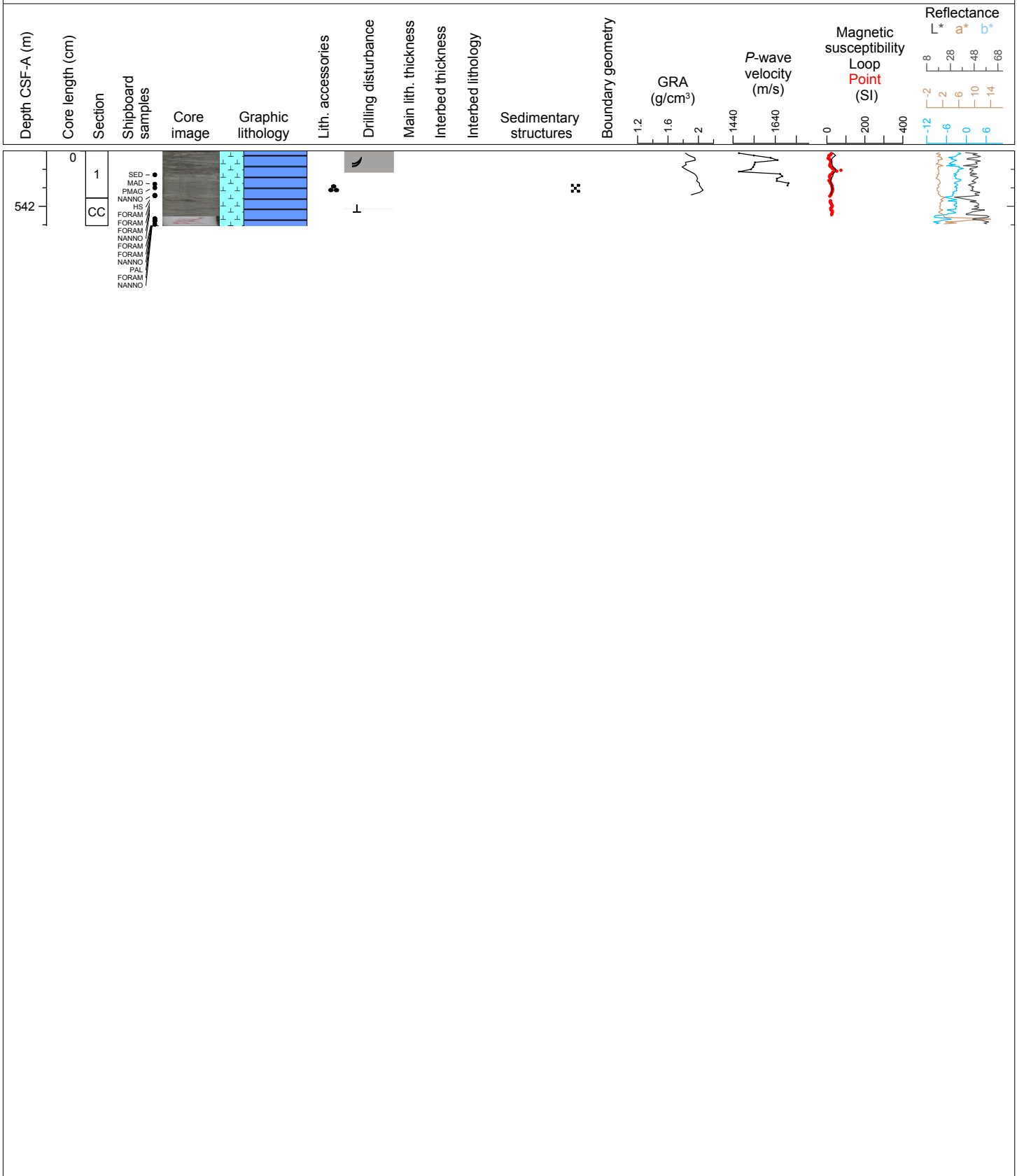
Hole 354-U1450A Core 114F, Interval 541.2-541.33 m (CSF-A)

Major lithology: white to gray nannofossil-rich calcareous clay with foraminifers.



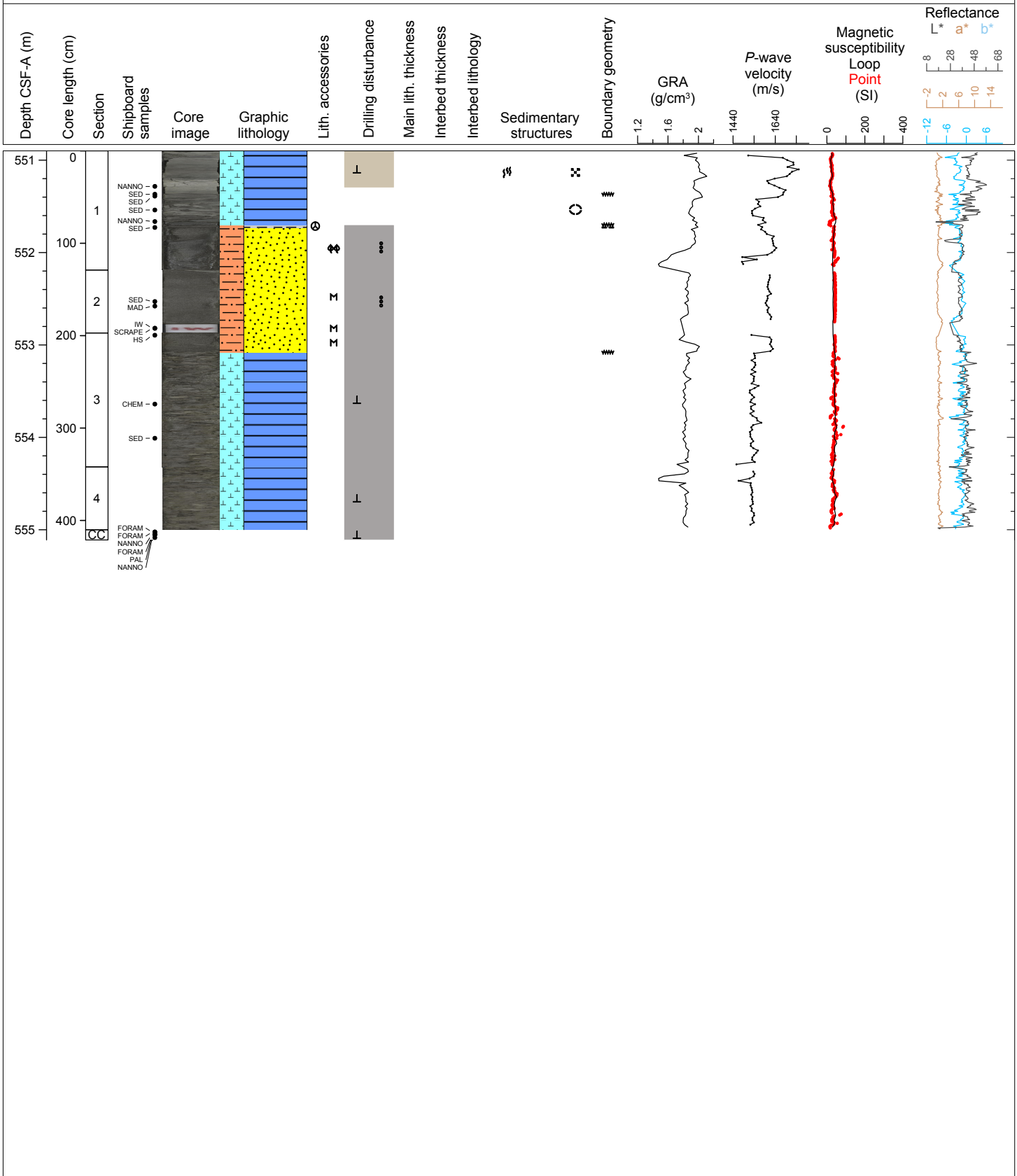
Hole 354-U1450A Core 115F, Interval 541.4-542.21 m (CSF-A)

Major lithology: mottled greenish-gray nannofossil-rich calcareous clay with foraminifers



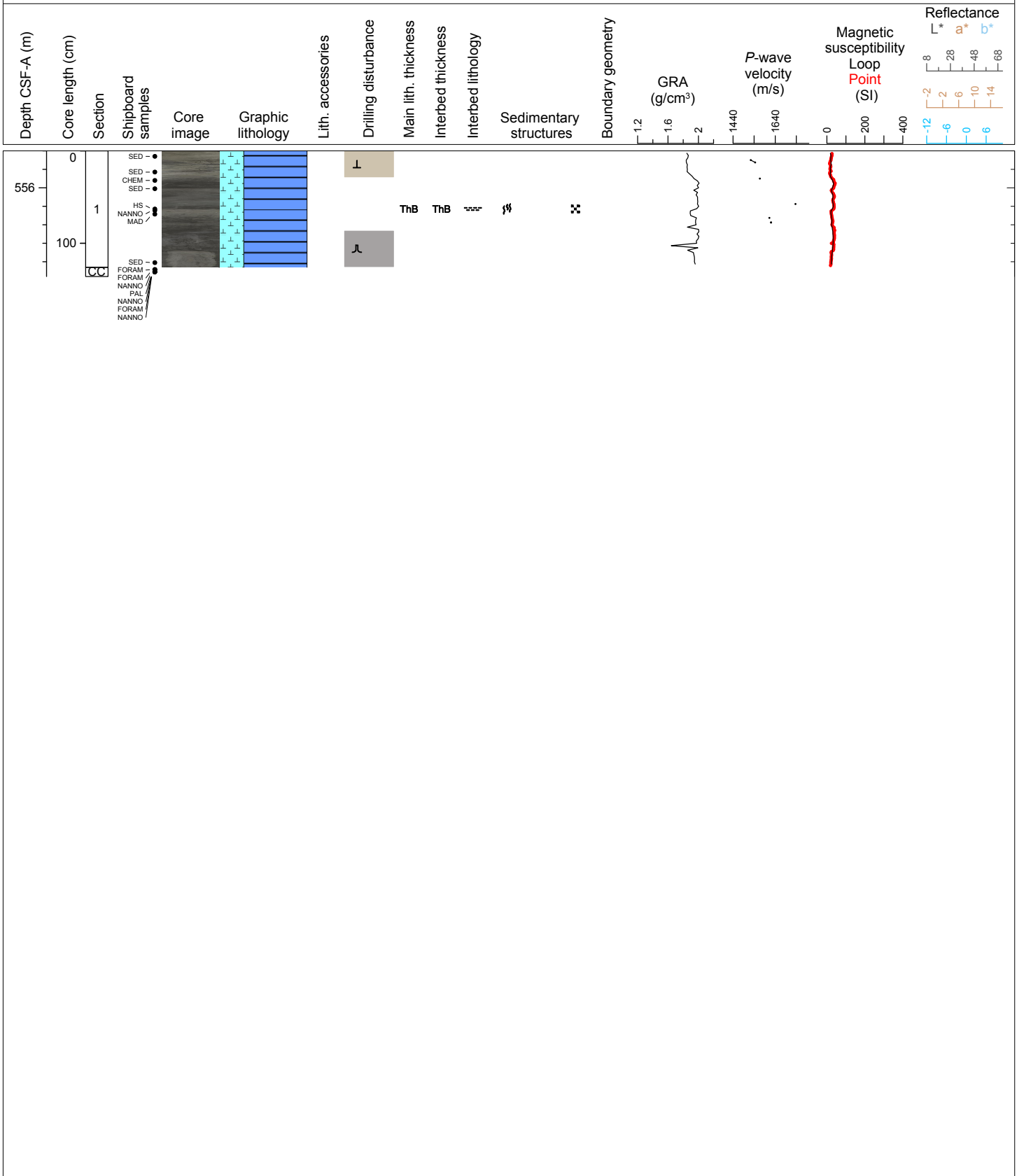
Hole 354-U1450A Core 117F, Interval 550.9-555.11 m (CSF-A)

Major lithology: white to gray nannofossil-rich calcareous clay; Minor lithology: dark gray fine sand and silty clay.



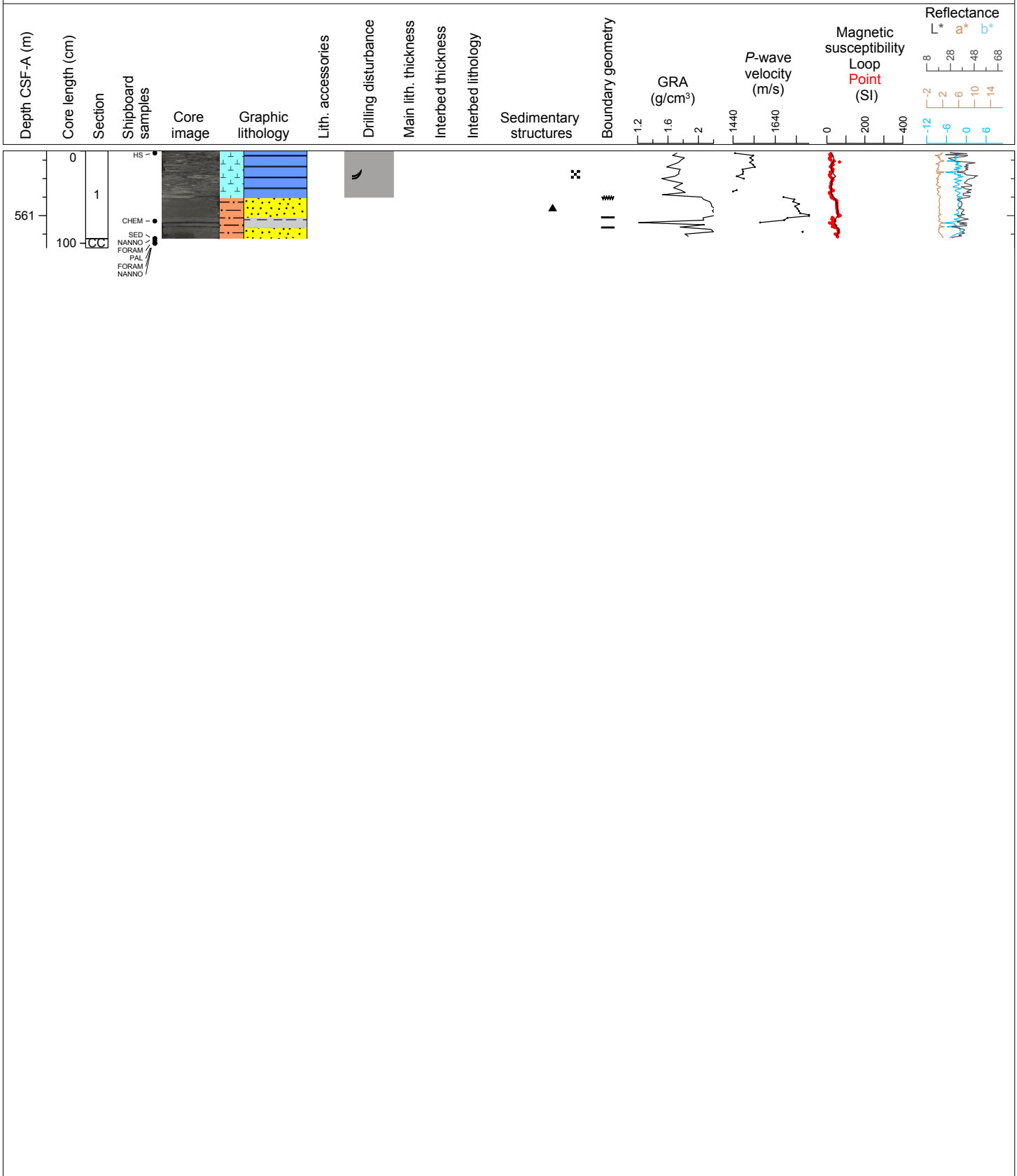
Hole 354-U1450A Core 118F, Interval 555.6-556.96 m (CSF-A)

Major lithology: white to dark gray nannofossil rich calcareous clay



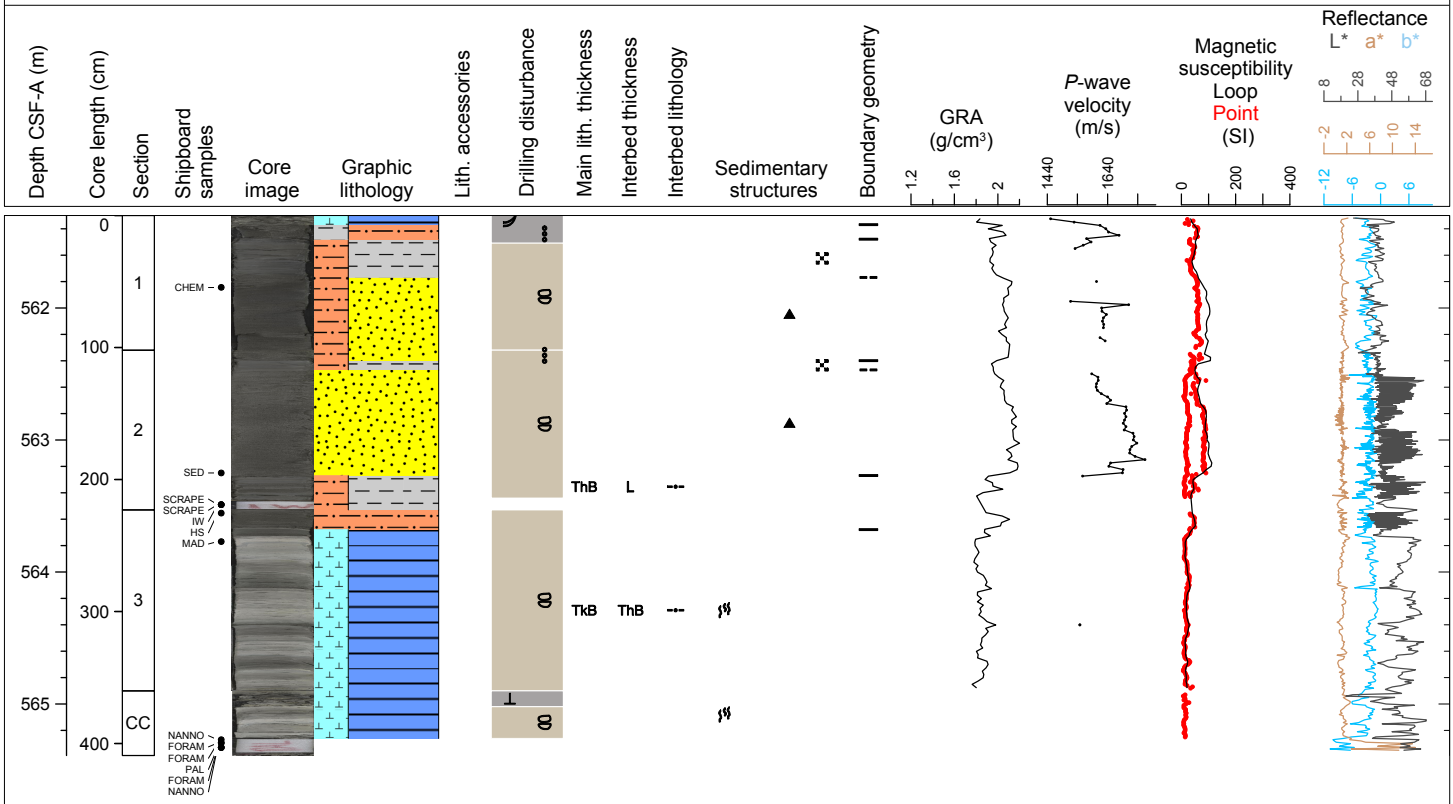
Hole 354-U1450A Core 119F, Interval 560.3-561.35 m (CSF-A)

Major lithology: dark gray silty sands; Minor lithology: highly fractured light gray nannofossil rich calcareous clay, gray clay.



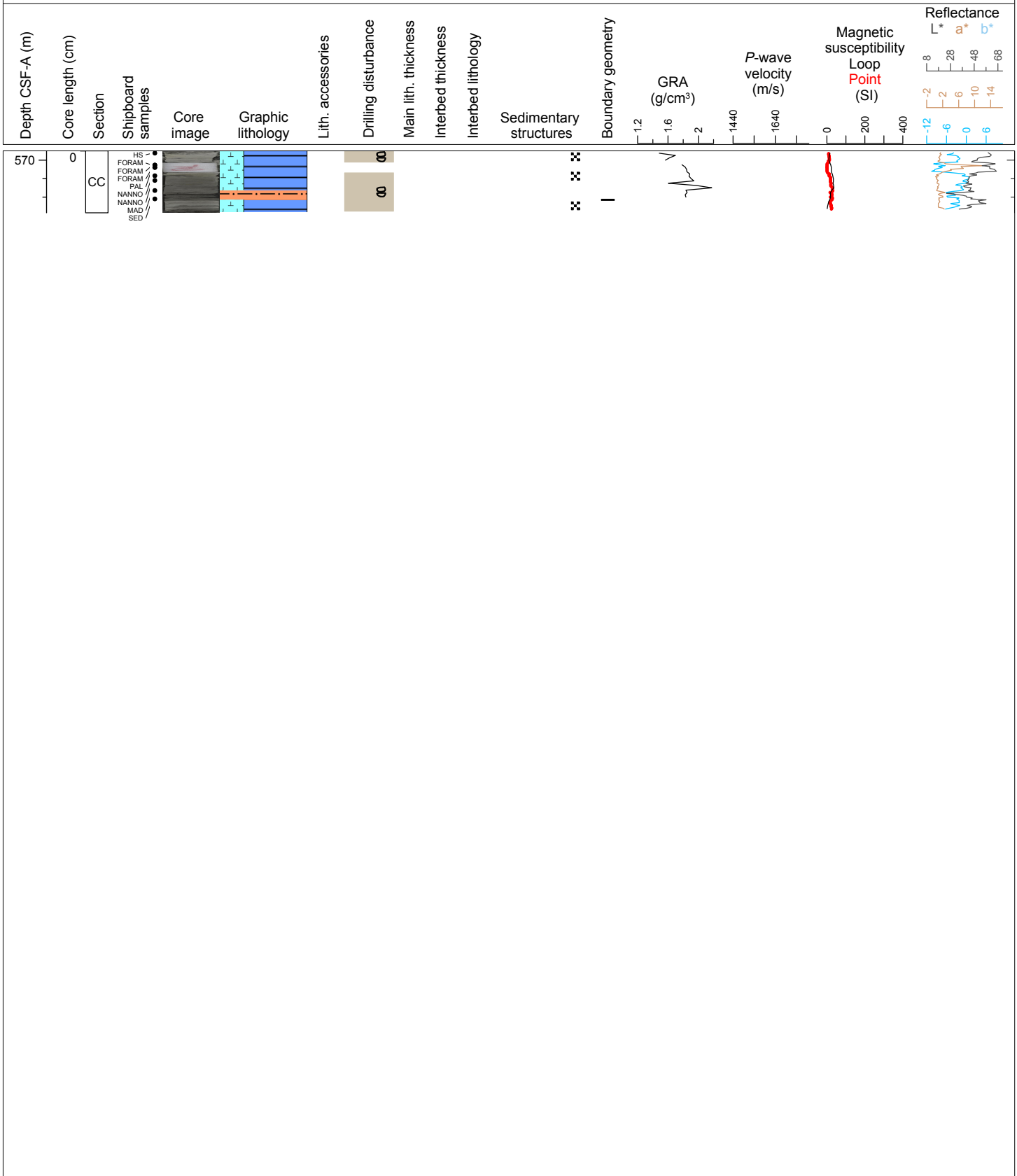
Hole 354-U1450A Core 120X, Interval 561.3-565.39 m (CSF-A)

Major lithology: gray silty sand; Minor lithology: nannofossil rich calcareous clay.



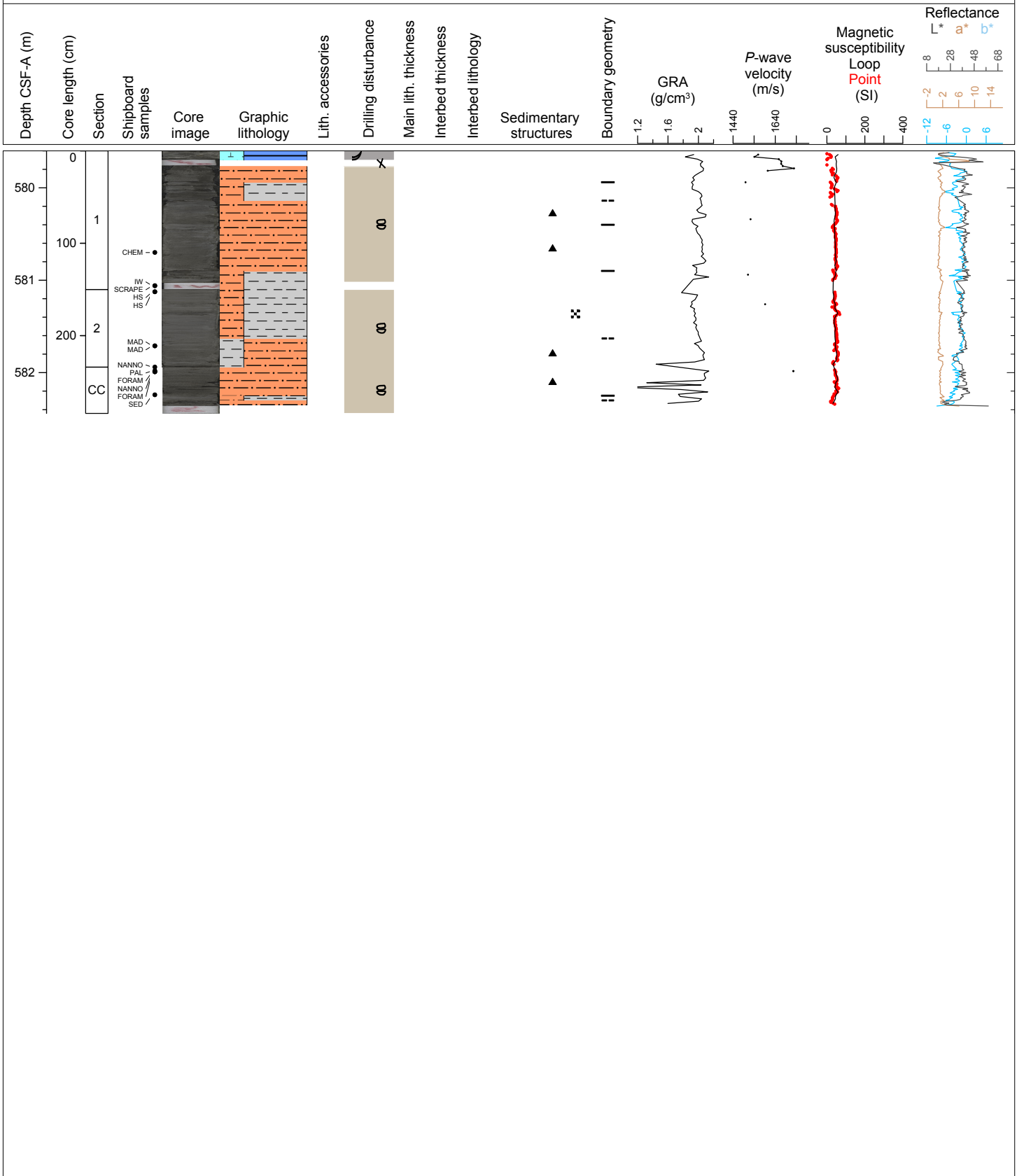
Hole 354-U1450A Core 121X, Interval 569.9-570.57 m (CSF-A)

Major lithology: white to green nannofossil rich calcareous clay; Minor lithology: dark gray silt.



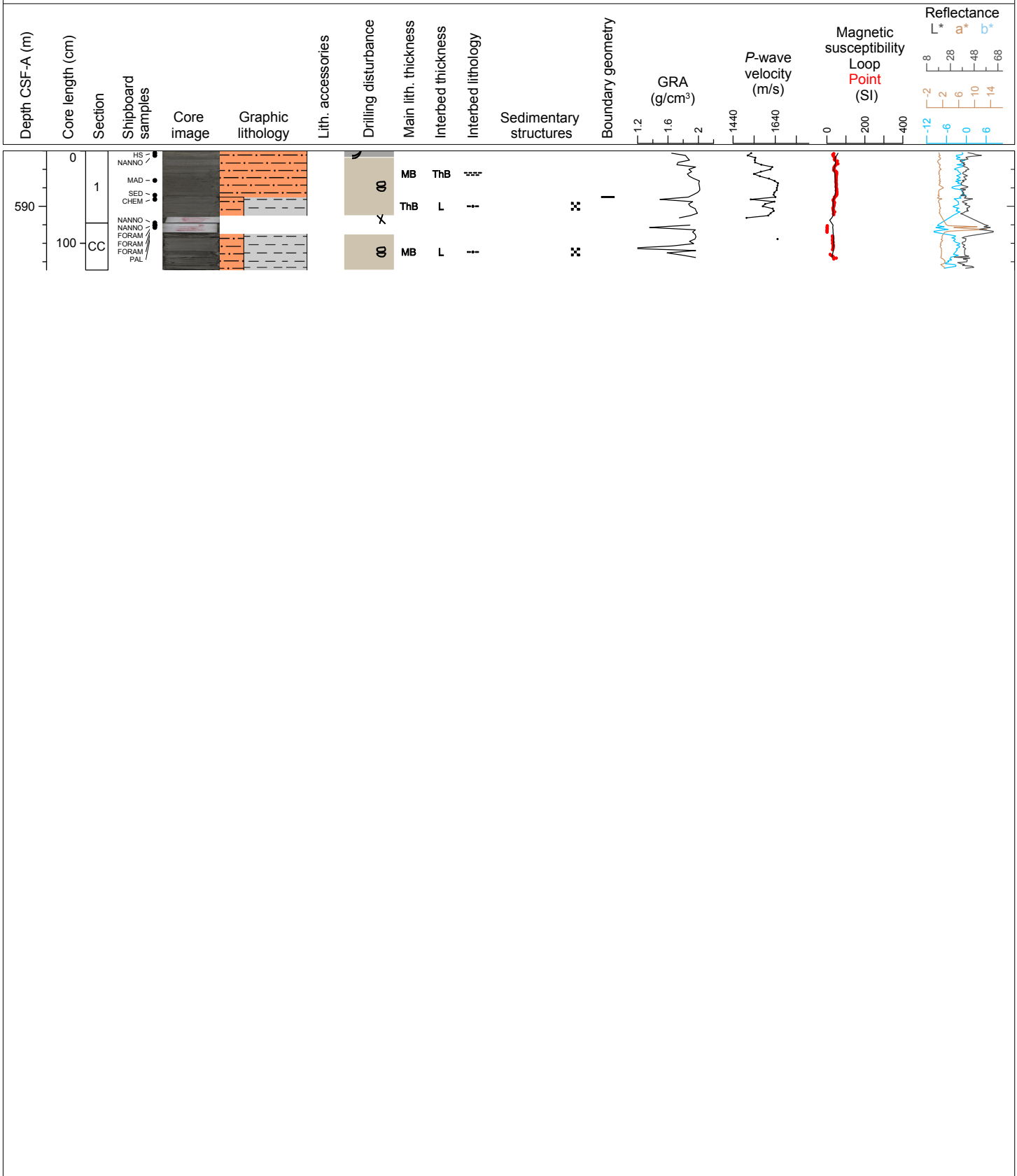
Hole 354-U1450A Core 122X, Interval 579.6-582.44 m (CSF-A)

Major lithology: dark gray silt; Minor lithology: silty clay.



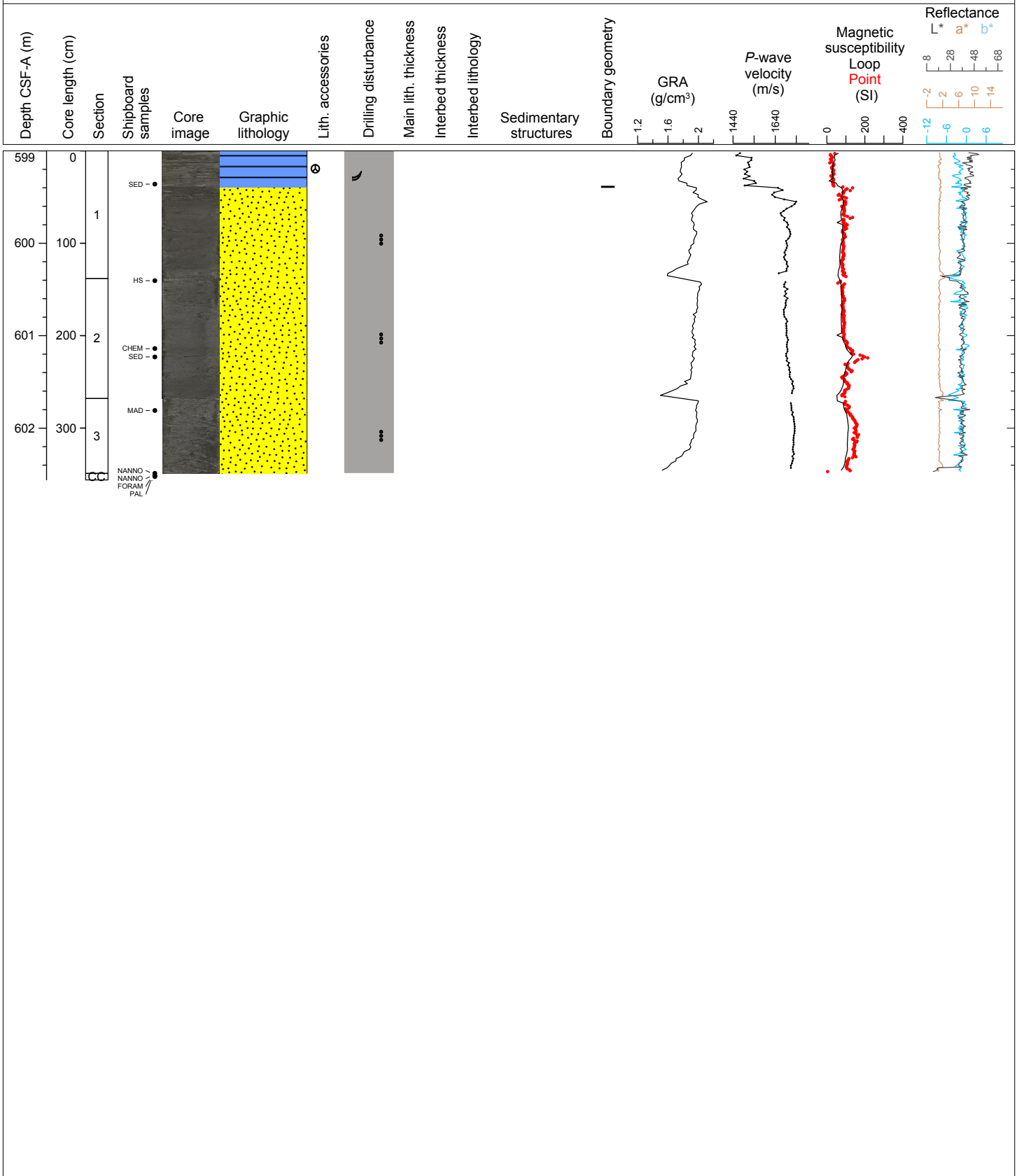
Hole 354-U1450A Core 123X, Interval 589.4-590.69 m (CSF-A)

Major lithology: gray silty clay with thin dark gray silt interbeds.



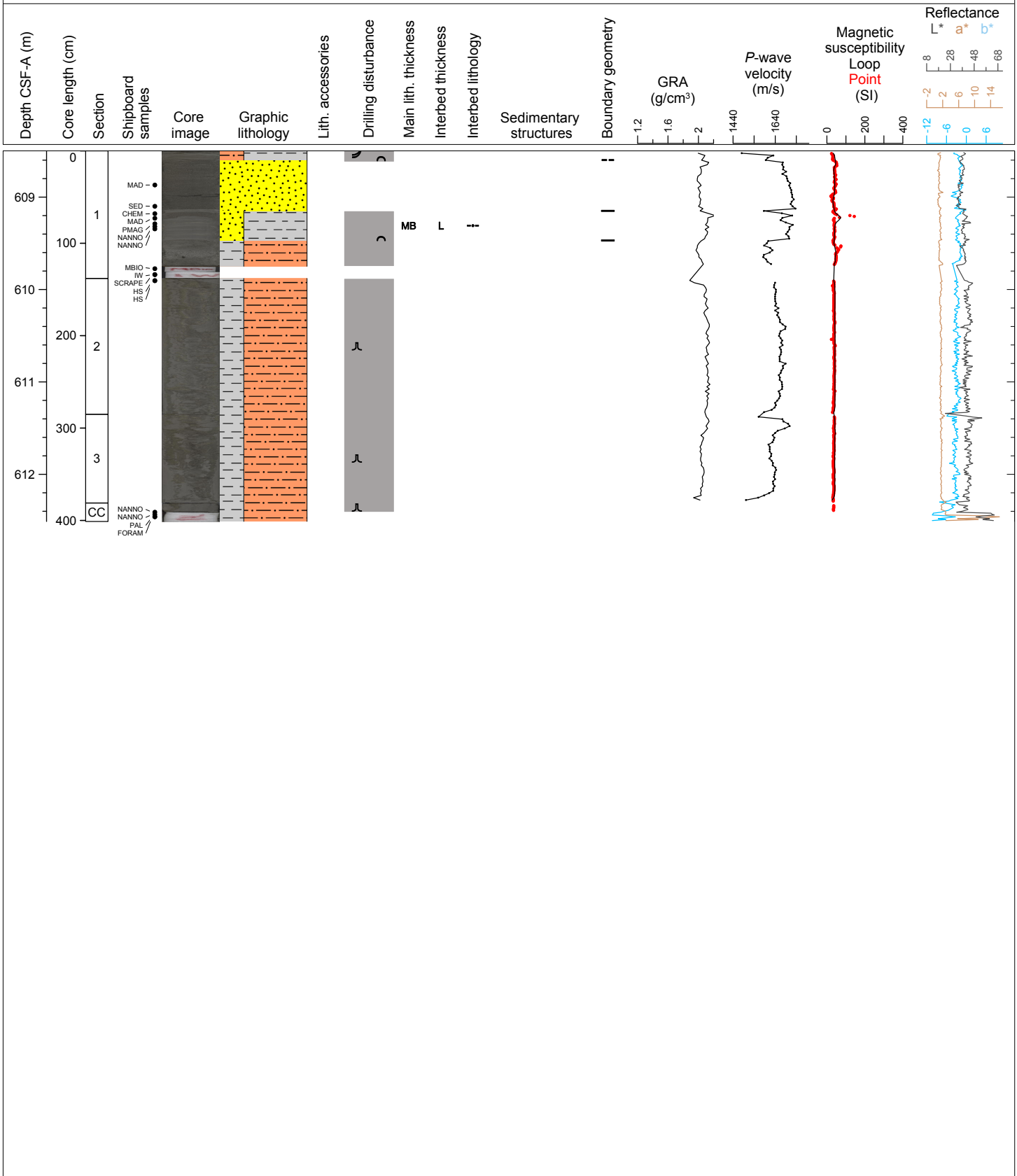
Hole 354-U1450A Core 124F, Interval 599.0-602.56 m (CSF-A)

Major lithology: dark gray fine sand; Minor lithology: nannofossil rich clay.



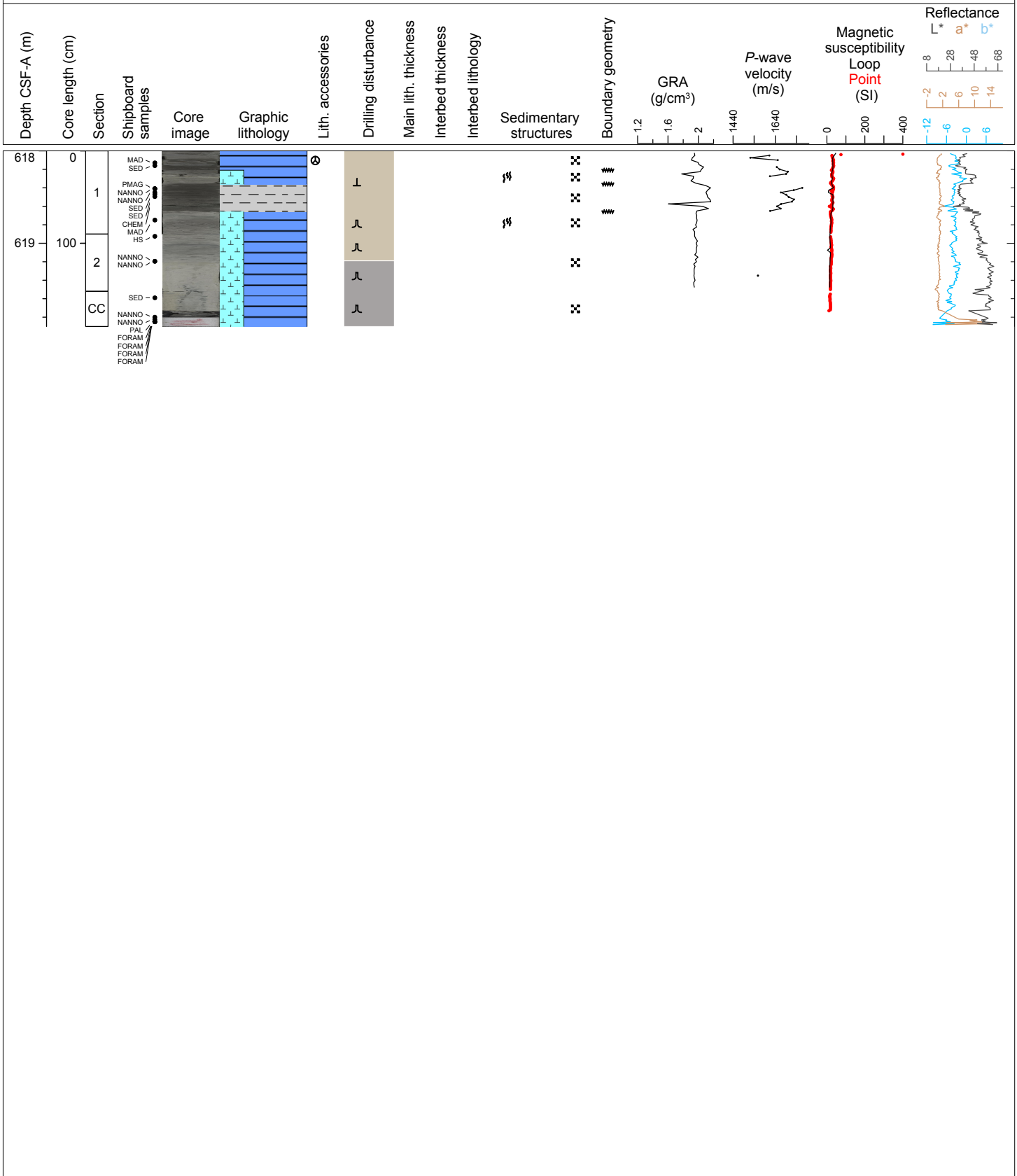
Hole 354-U1450A Core 126F, Interval 608.5-612.51 m (CSF-A)

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



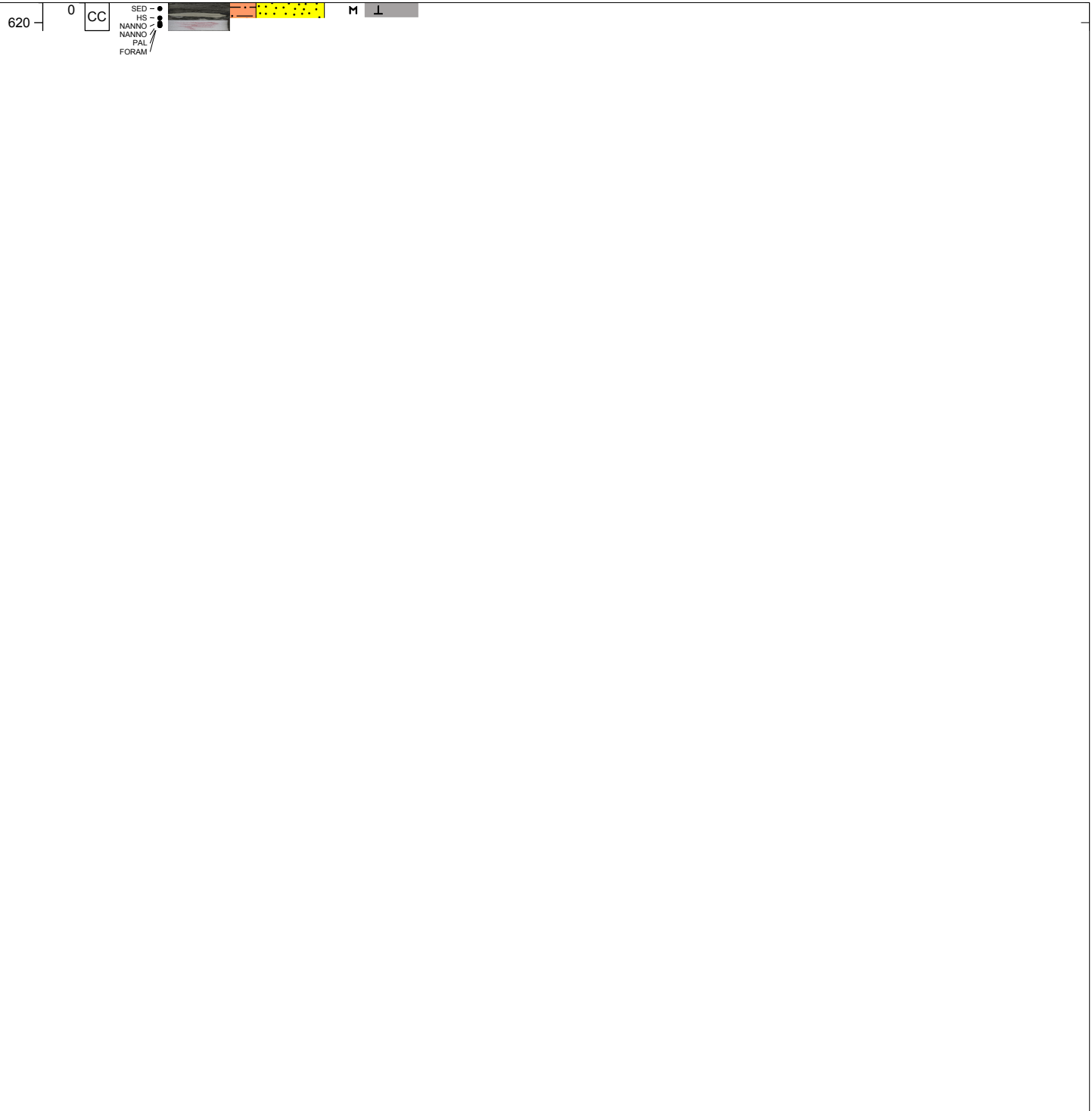
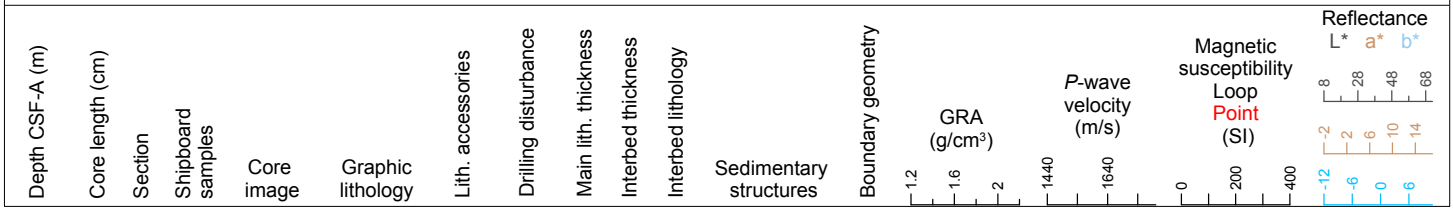
Hole 354-U1450A Core 128F, Interval 618.0-619.9 m (CSF-A)

Major lithology: light gray nannofossil rich calcareous clay; Minor lithology: dark gray clay.



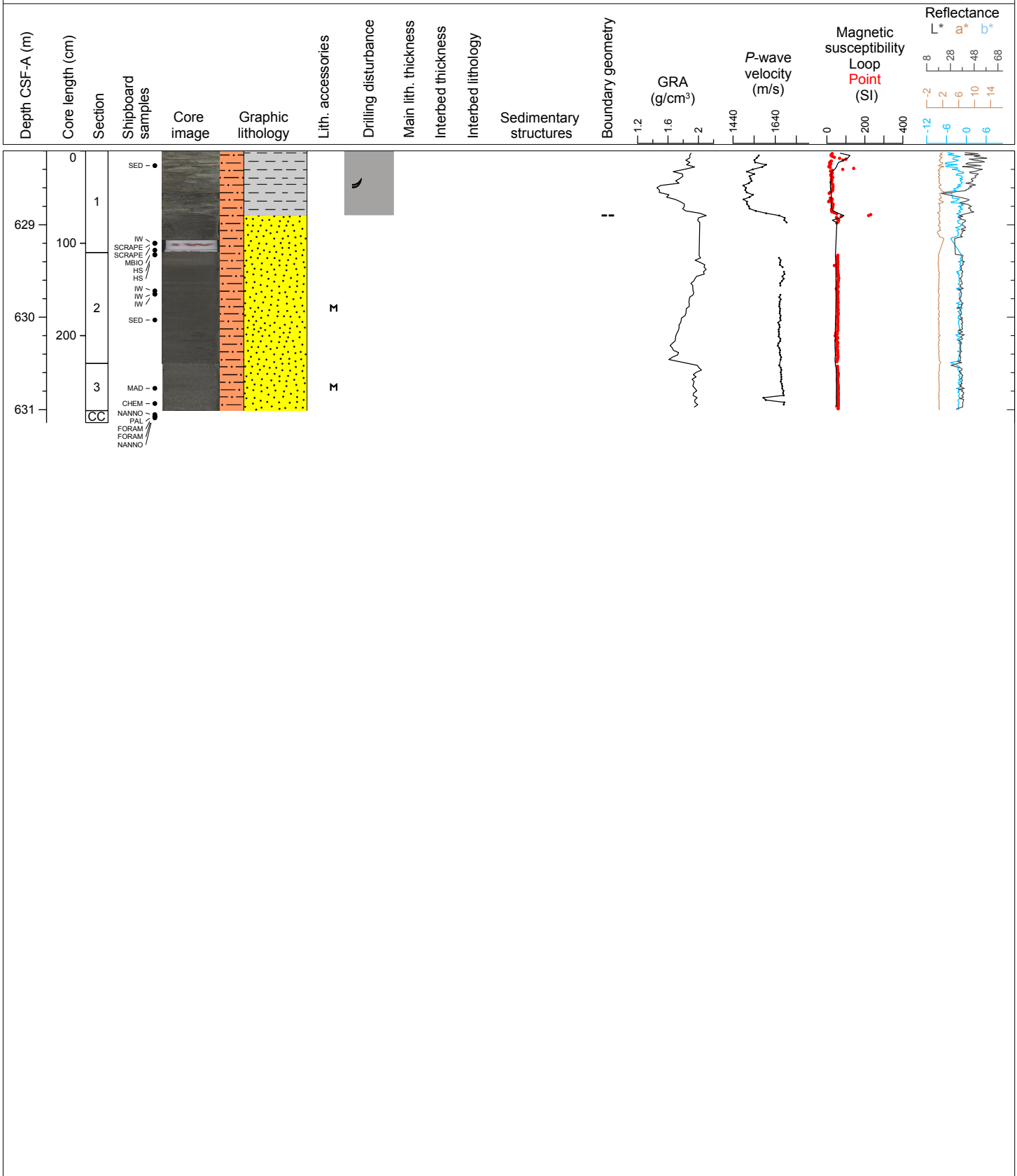
Hole 354-U1450A Core 129X, Interval 619.8-620.08 m (CSF-A)

Major lithology: dark gray silty fine sand with fragment of greenish-white nannofossil-rich calcareous clay



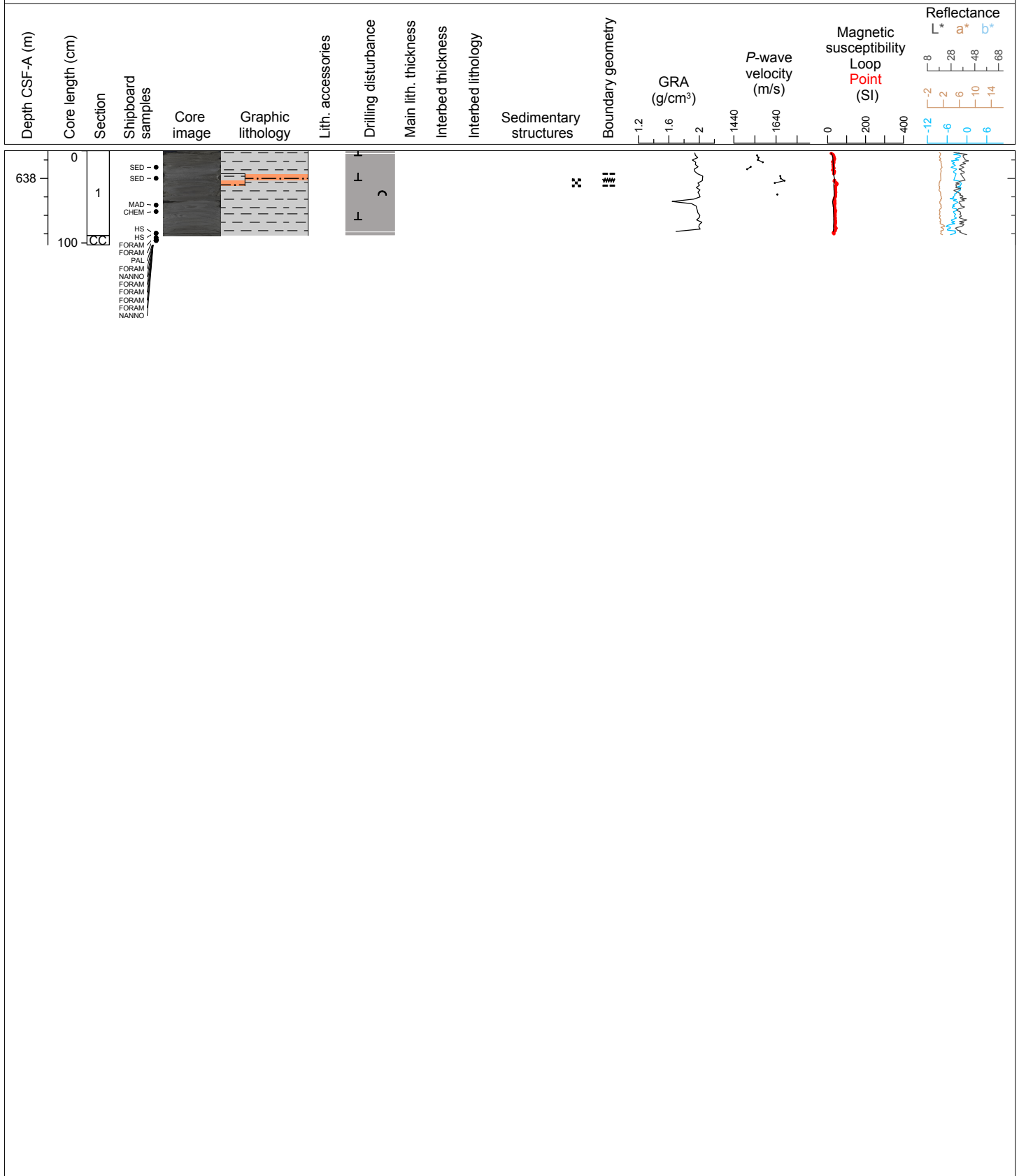
Hole 354-U1450A Core 130F, Interval 628.2-631.14 m (CSF-A)

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



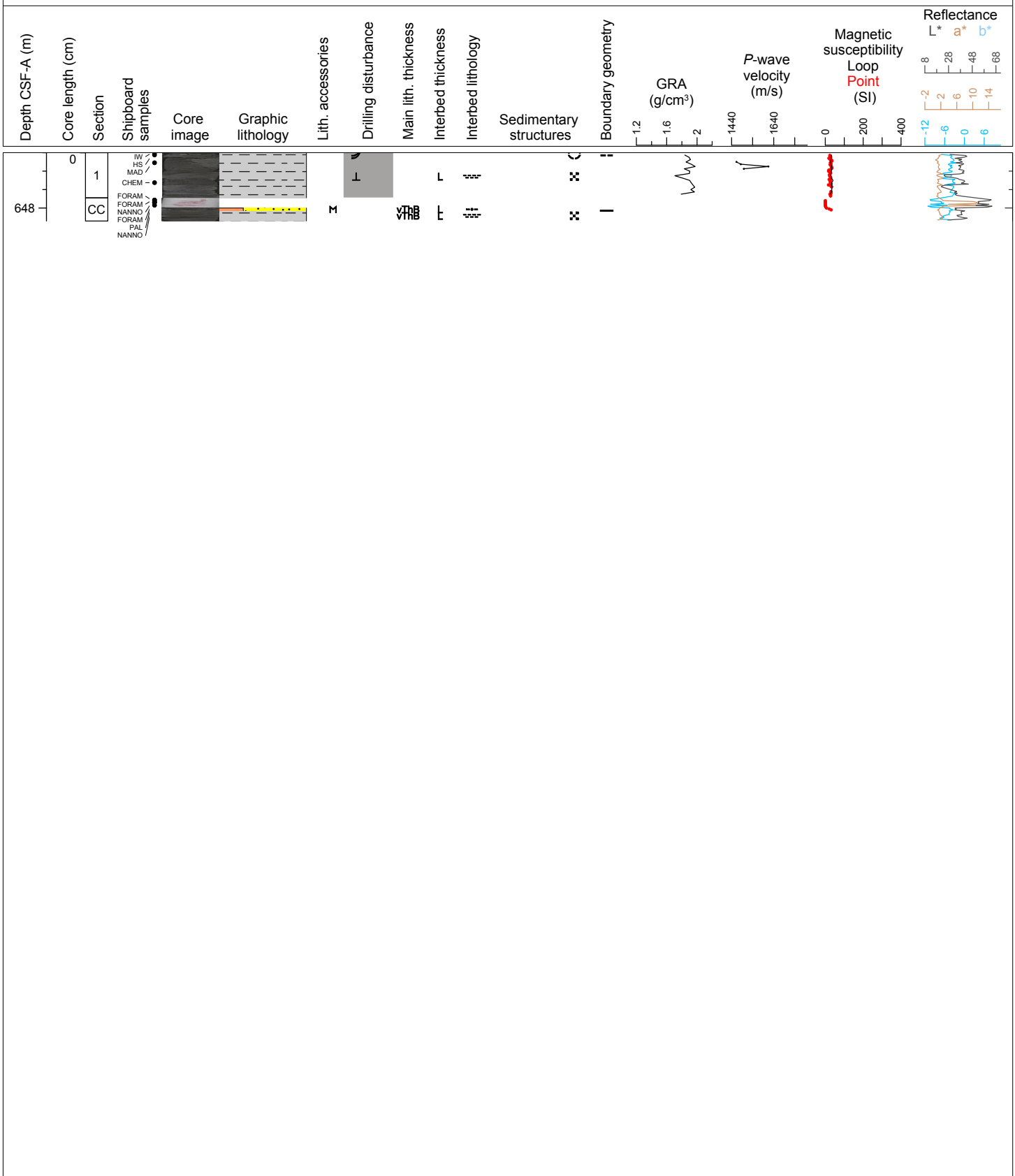
Hole 354-U1450A Core 132X, Interval 637.7-638.72 m (CSF-A)

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



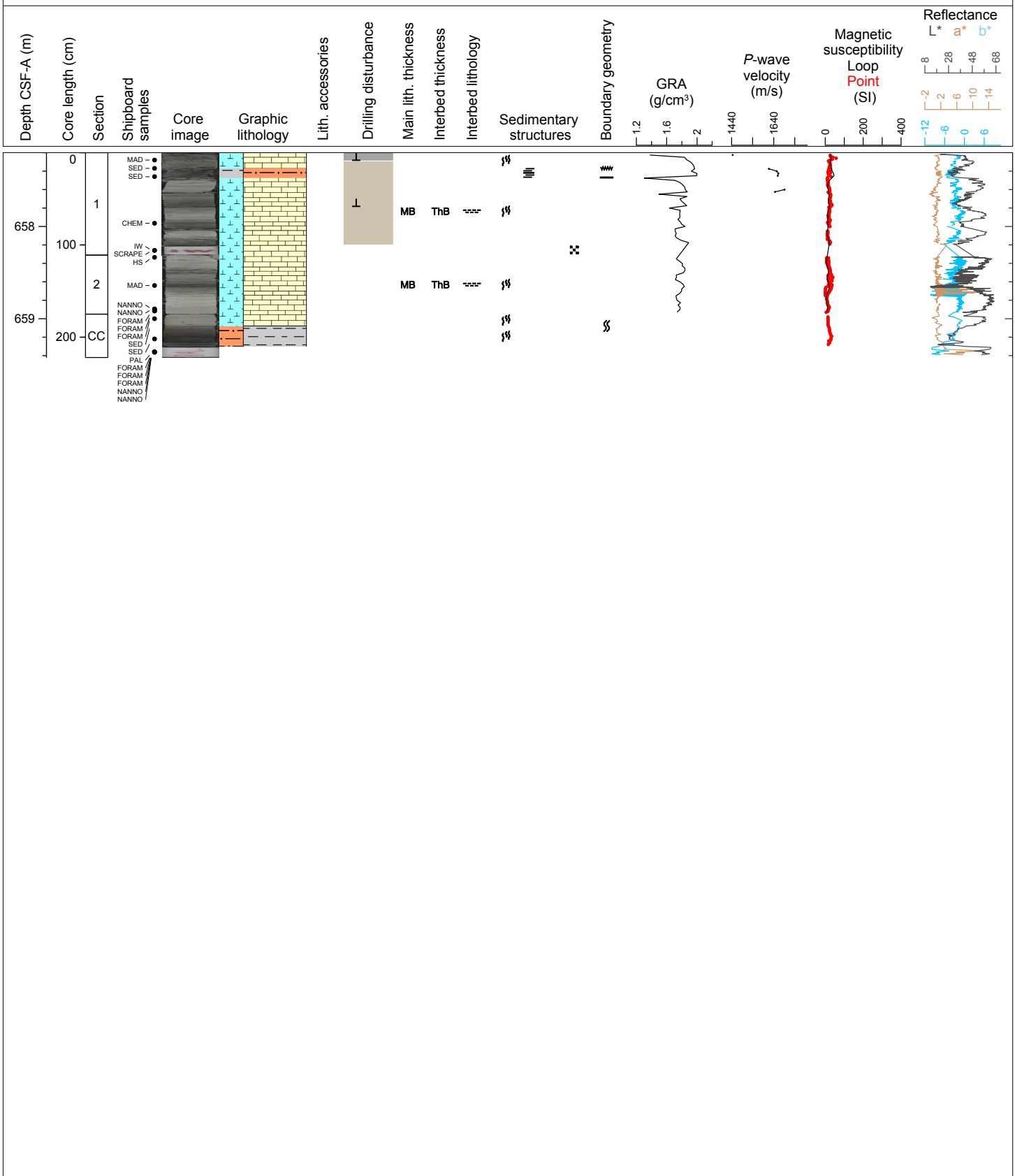
Hole 354-U1450A Core 133X, Interval 647.4-648.14 m (CSF-A)

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



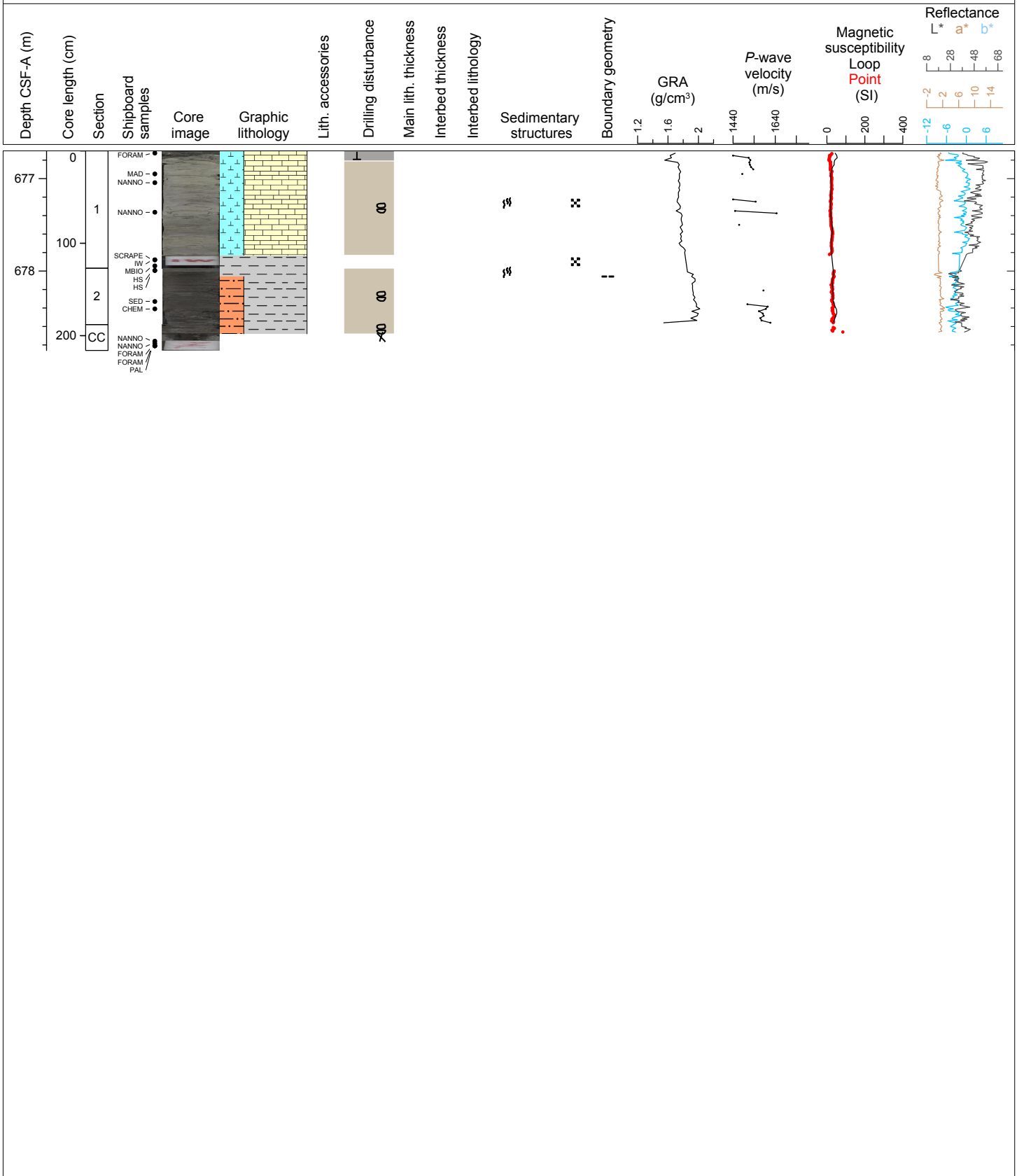
Hole 354-U1450A Core 134X, Interval 657.2-659.42 m (CSF-A)

Major lithology: white nannofossil rich calcareous claystone with very thin interbeds of black clays; Minor lithology: dark gray silty clay, burrowing occurs throughout.



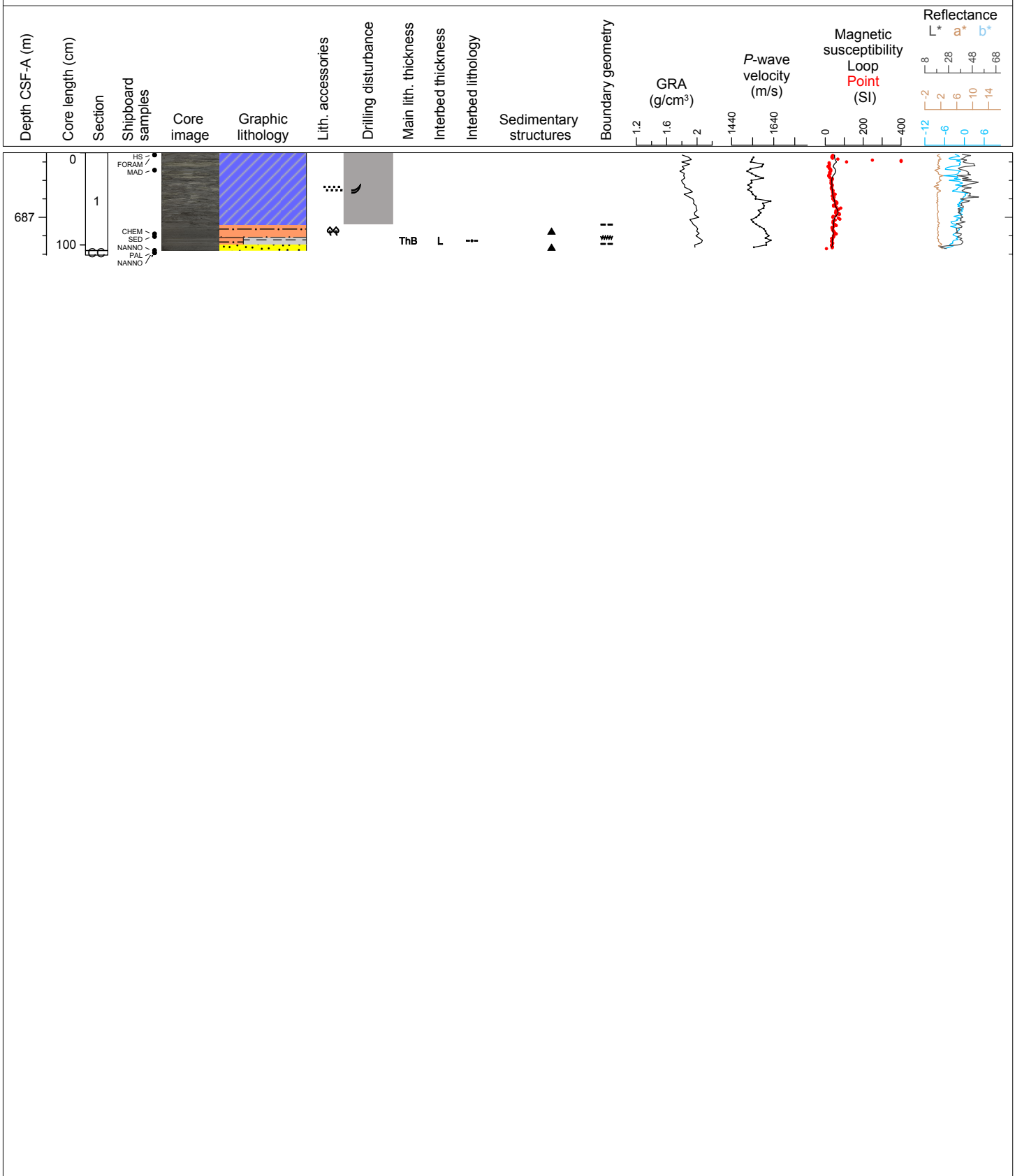
Hole 354-U1450A Core 136X, Interval 676.7-678.86 m (CSF-A)

Major lithology: white nannofossil rich calcareous claystone; Minor lithology: dark gray silty clay.



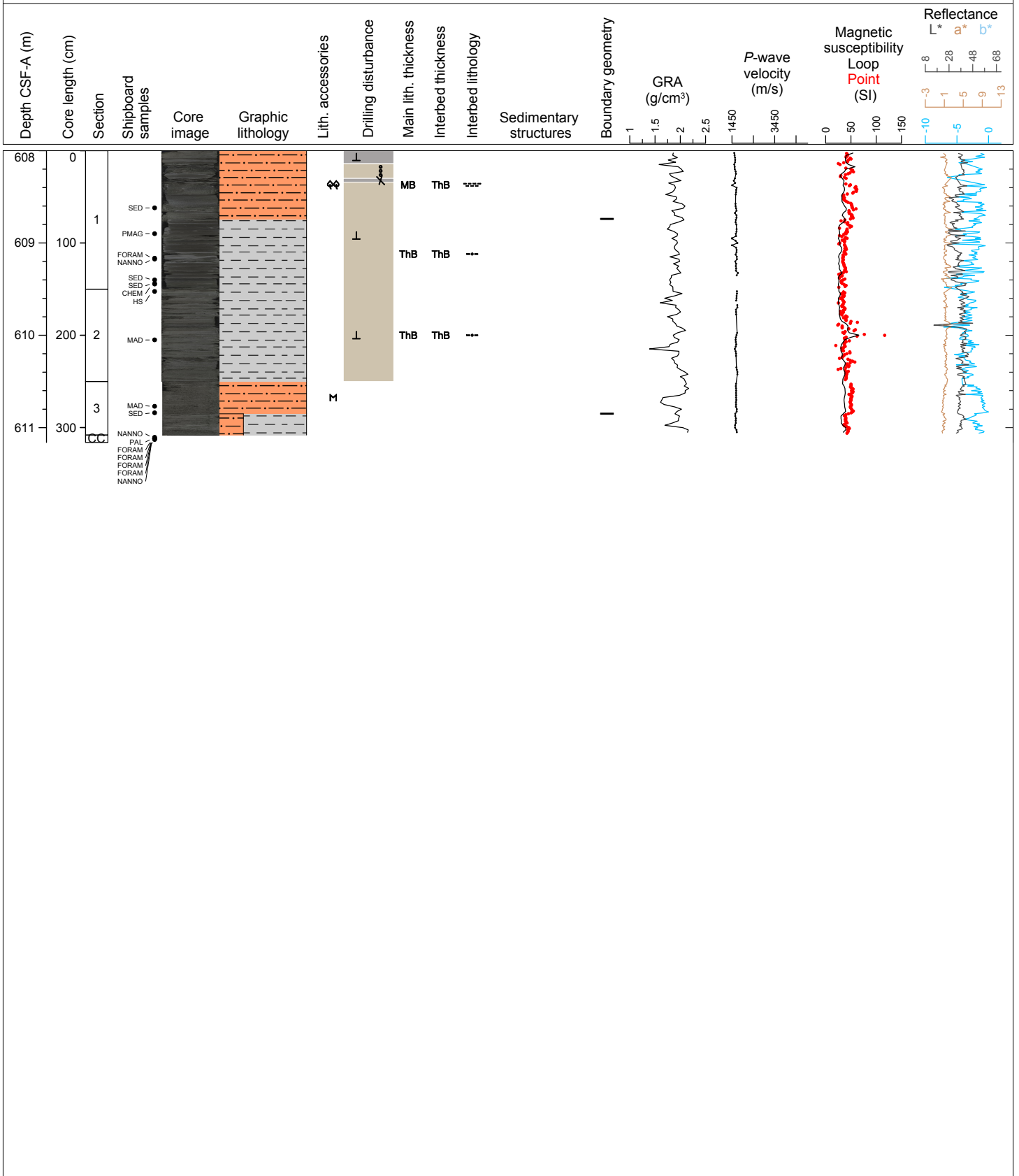
Hole 354-U1450A Core 137F, Interval 686.3-687.41 m (CSF-A)

Major lithology: dark gray silt with plant fragments; Minor lithology: gray silty clay, nannofossil-rich calcareous claystone (as fall-in at core top).



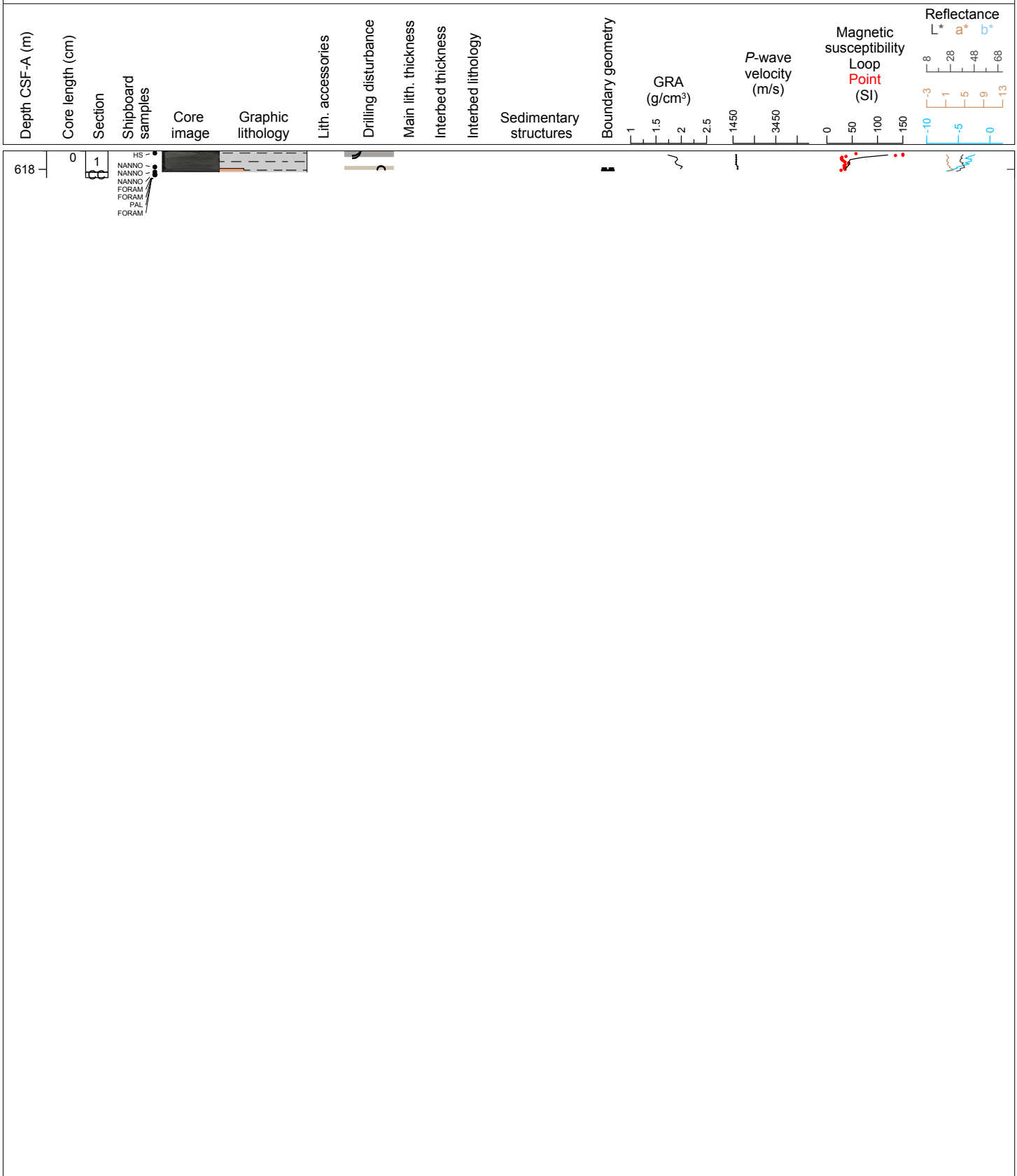
Hole 354-U1450B Core 2R, Interval 608.0-611.16 m (CSF-A)

Major lithology: dark gray clay with thin silt interbeds; Minor lithology: gray silt and clayey silt; General comments: silt on section 1 contains plant fragments, silt in section 3 is mica rich.



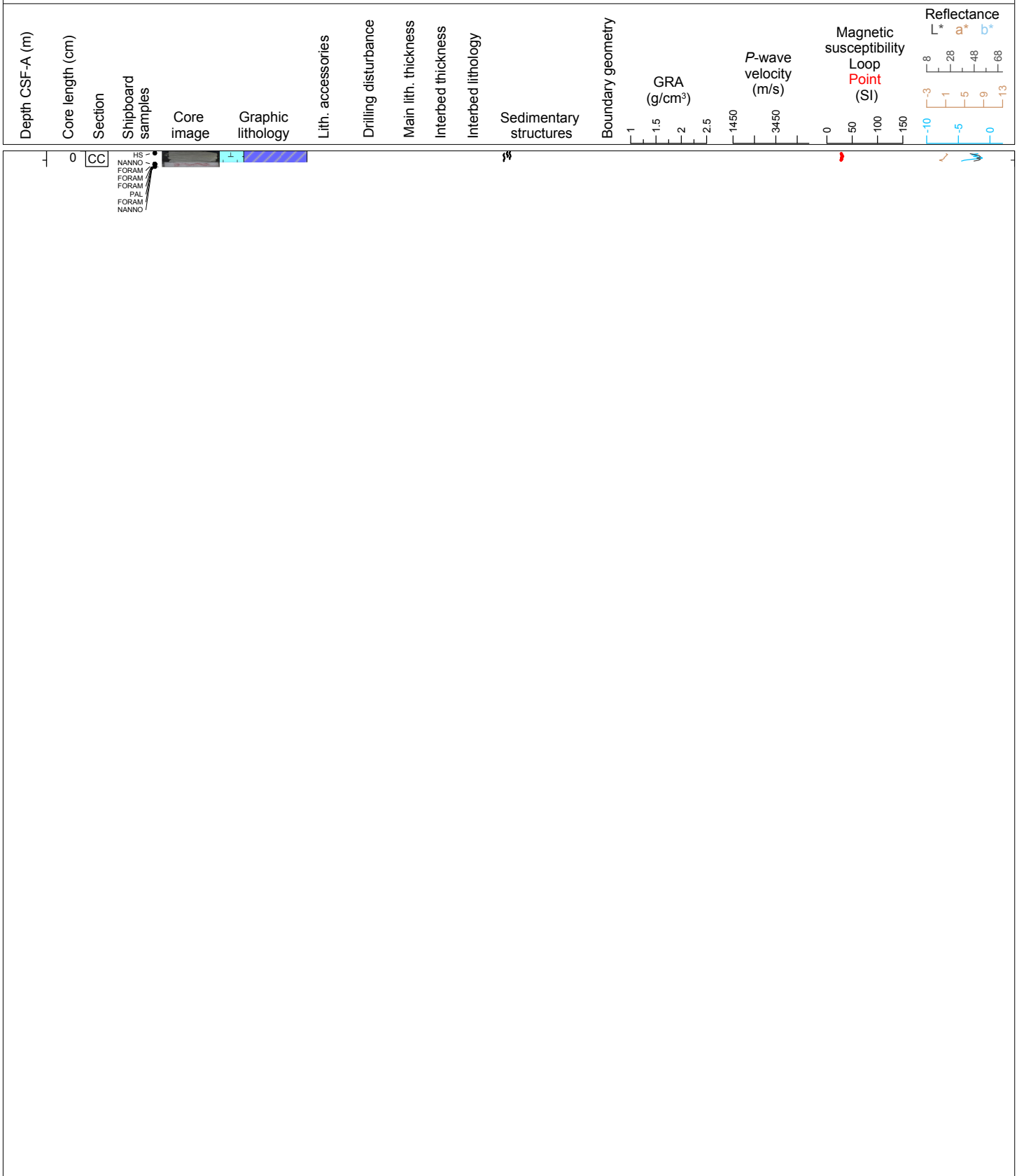
Hole 354-U1450B Core 3R, Interval 617.8-618.09 m (CSF-A)

Major lithology: gray clay; Minor lithology: gray silty clay and dark gray claystone.



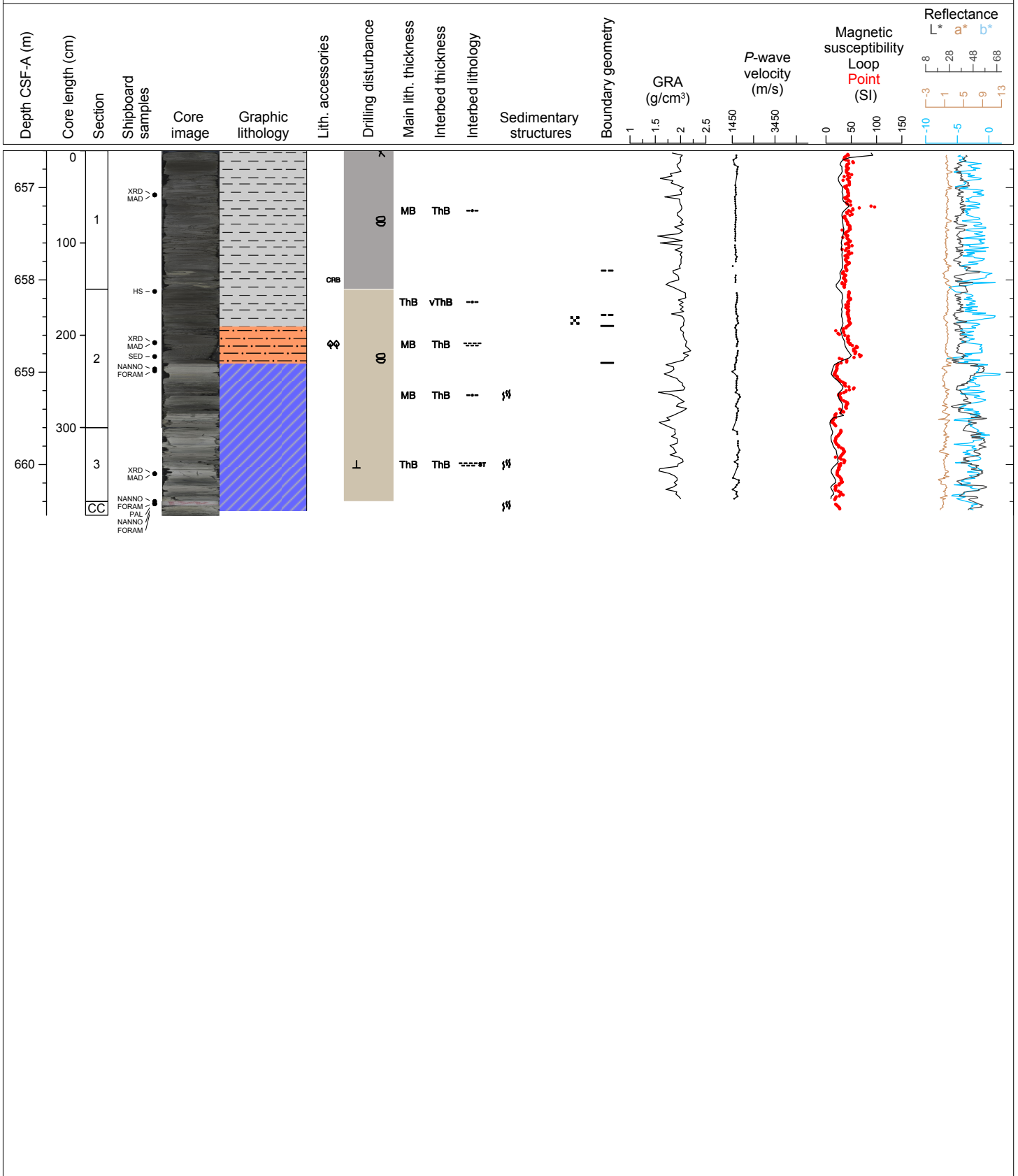
Hole 354-U1450B Core 4R, Interval 627.5-627.67 m (CSF-A)

Major lithology: light gray calcareous claystone with burrows.



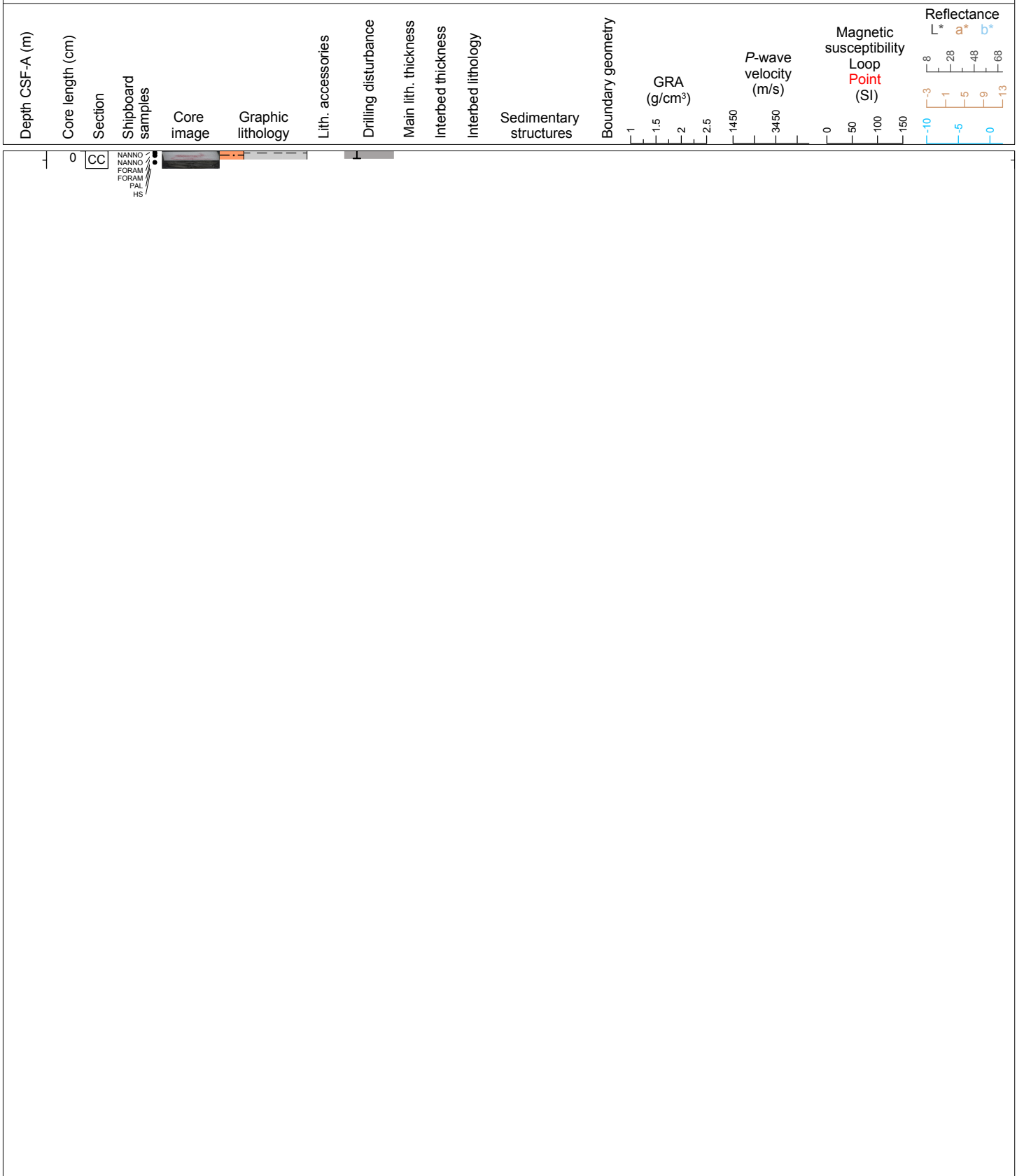
Hole 354-U1450B Core 7R, Interval 656.6-660.55 m (CSF-A)

Major lithology: gray clay and light gray calcareous claystone with burrows; Minor lithology: silt with plant fragments.



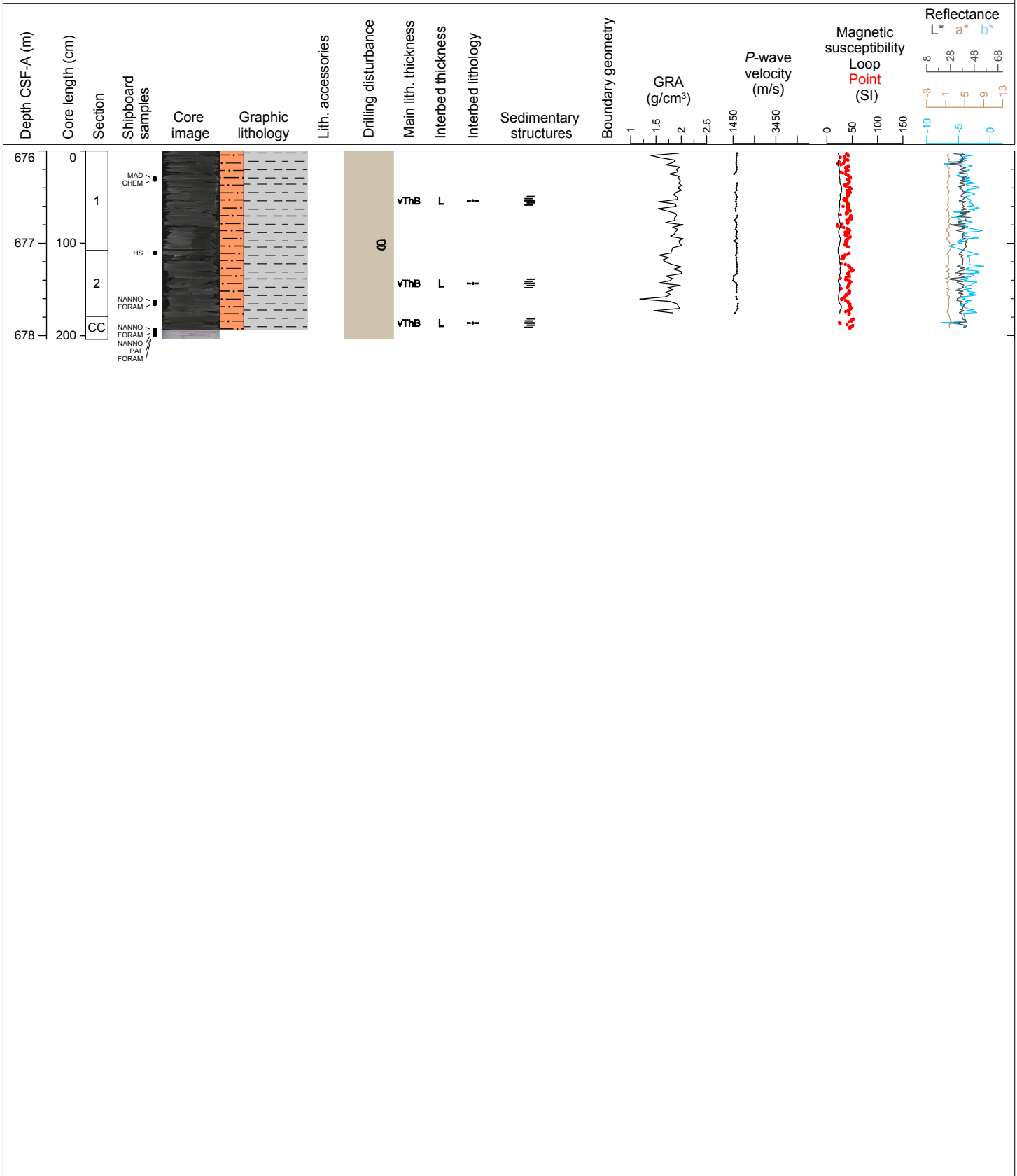
Hole 354-U1450B Core 8R, Interval 666.3-666.49 m (CSF-A)

Major lithology: gray silty clay.



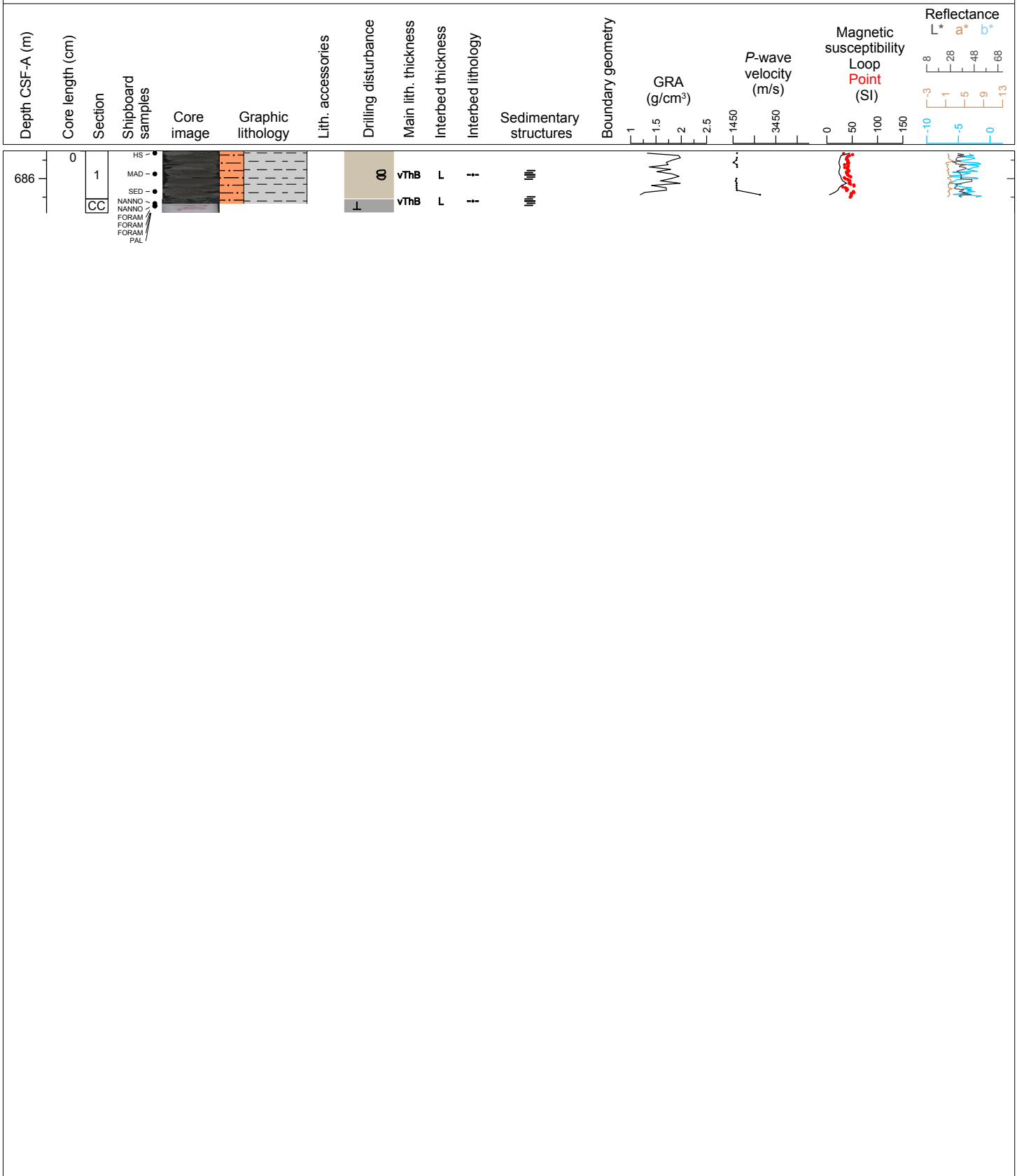
Hole 354-U1450B Core 9R, Interval 676.0-678.04 m (CSF-A)

Major lithology: gray laminated silty clay; Minor lithology: gray silt; General comments: succession of silt beds fining upwards into silty clay.

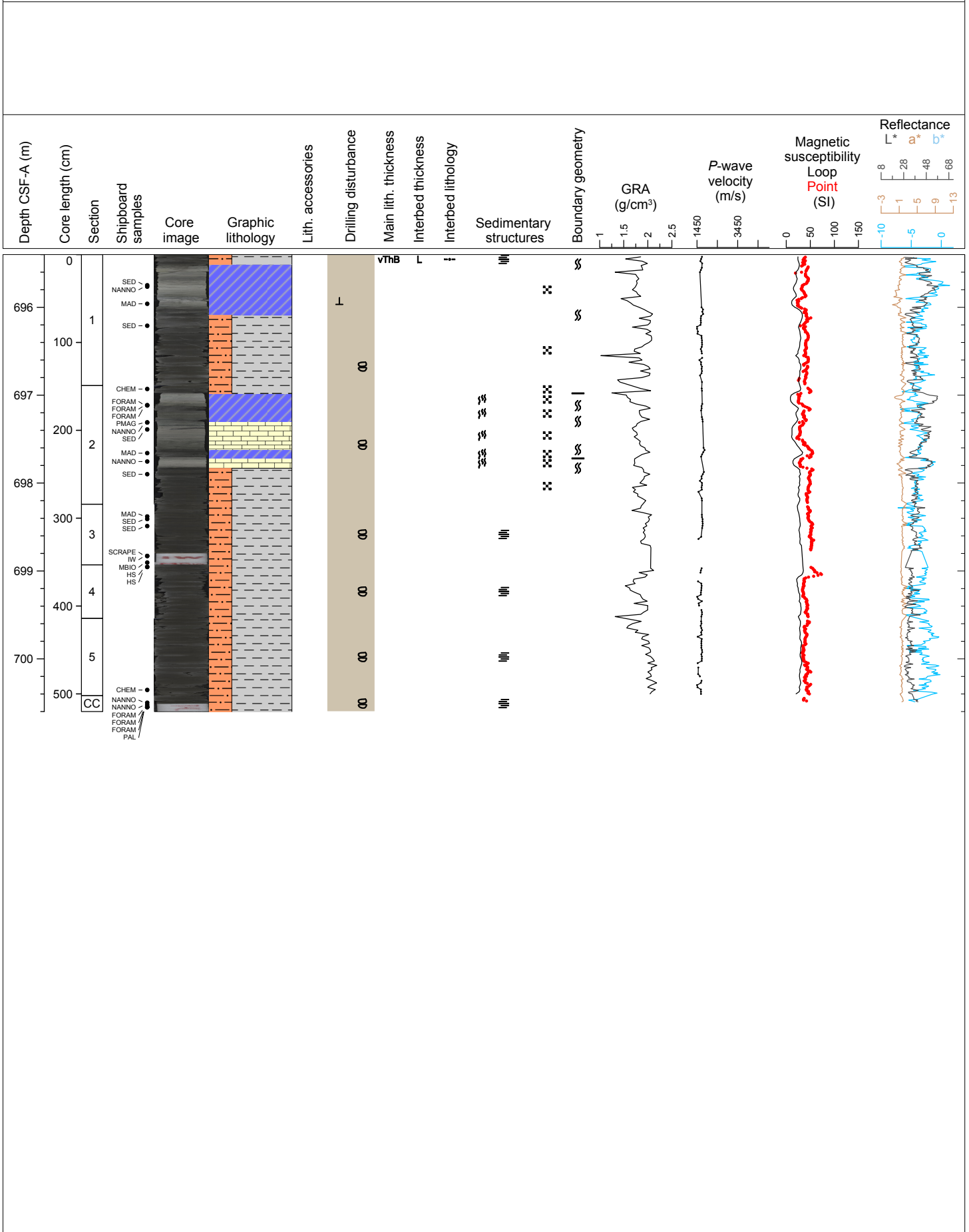


Hole 354-U1450B Core 10R, Interval 685.7-686.37 m (CSF-A)

Major lithology: gray laminated silty clay; Minor lithology: gray silt; General comments: succession of silt beds fining upwards into silty clay.

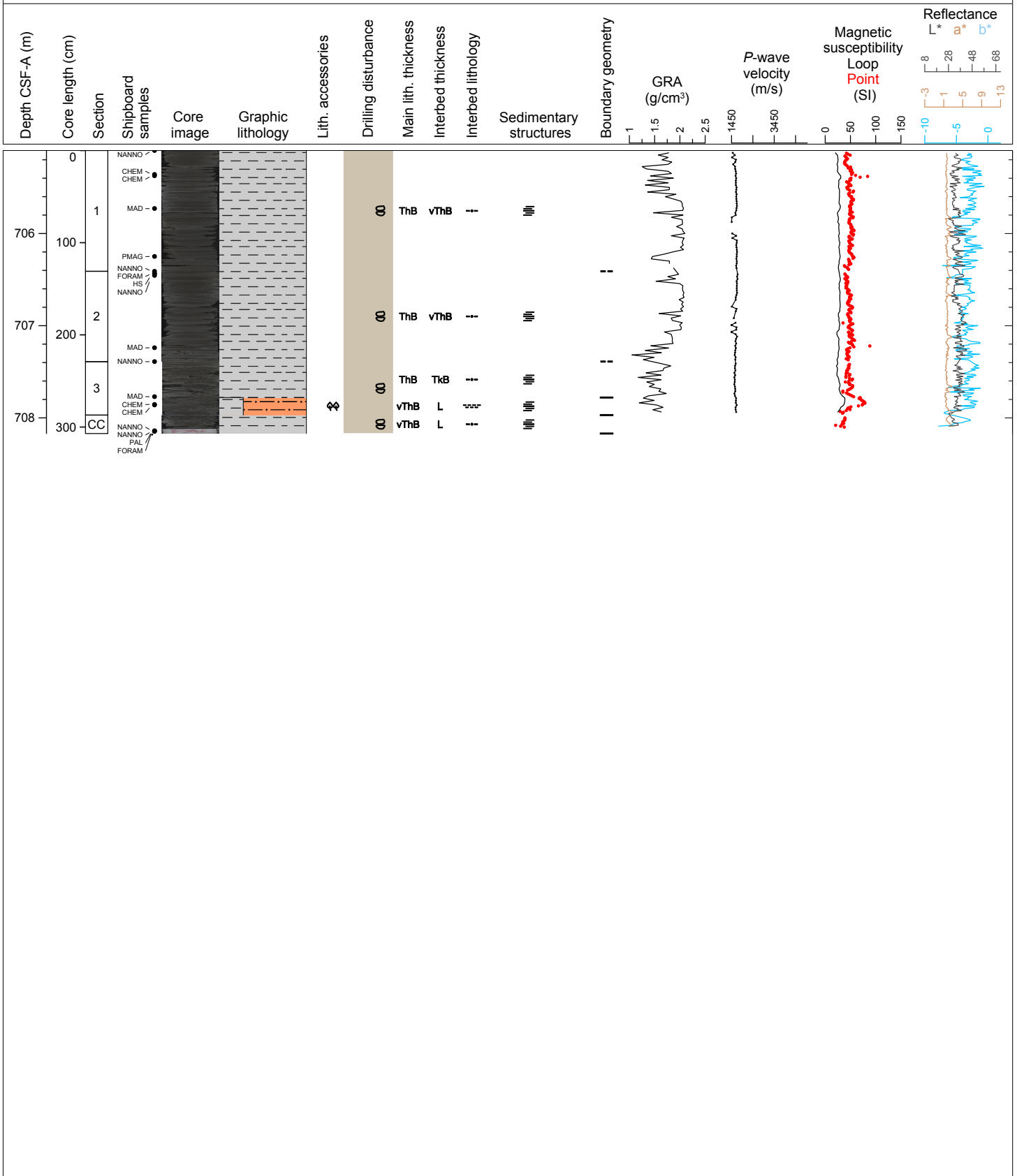


Hole 354-U1450B Core 11R, Interval 695.4-700.6 m (CSF-A)



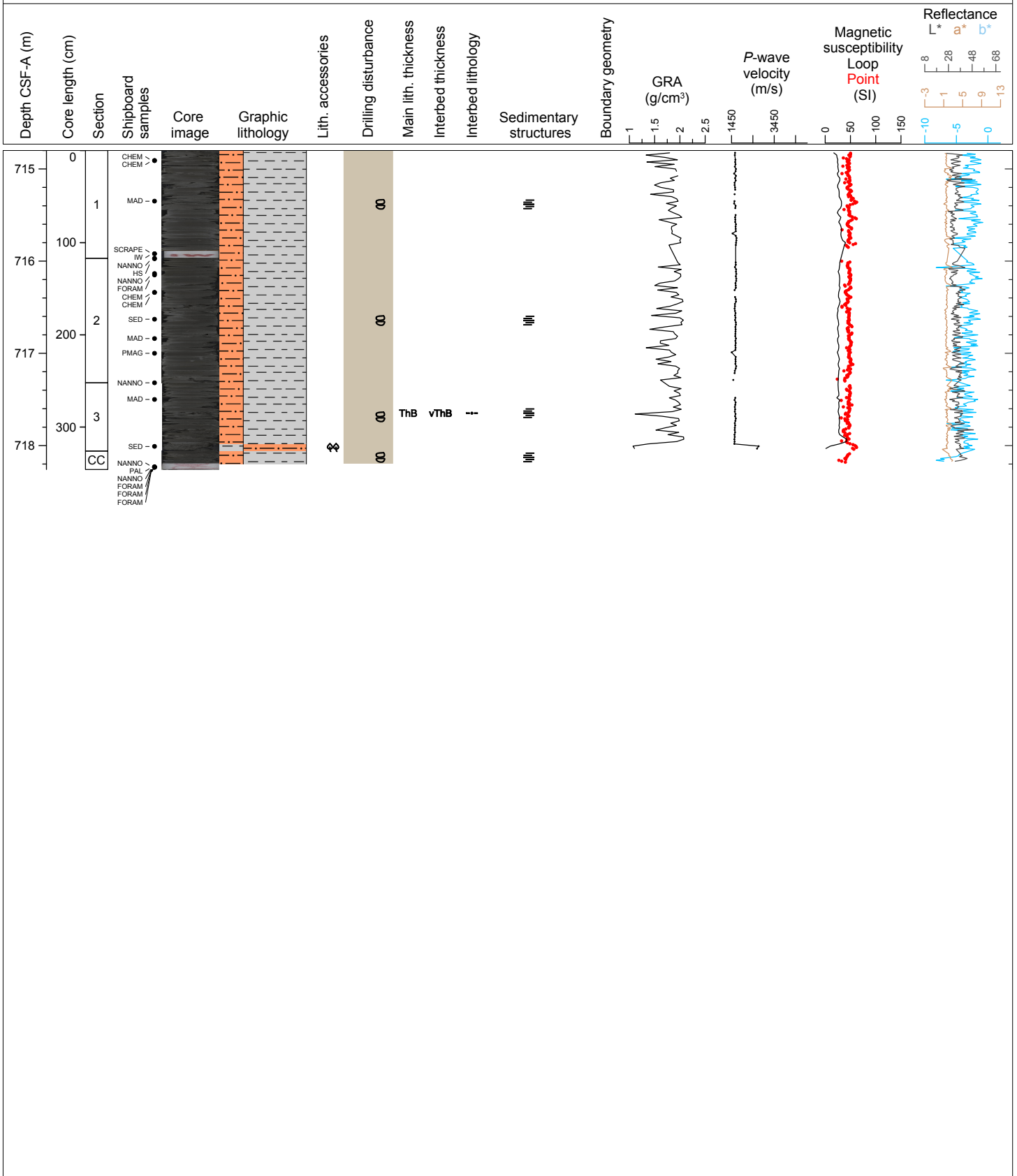
Hole 354-U1450B Core 12R, Interval 705.1-708.17 m (CSF-A)

Major lithology: dark gray clay; Minor lithology: dark gray parallel laminated clayey silt with plant fragments; General comments: wood fragment in 3-A between 39-40 cm.



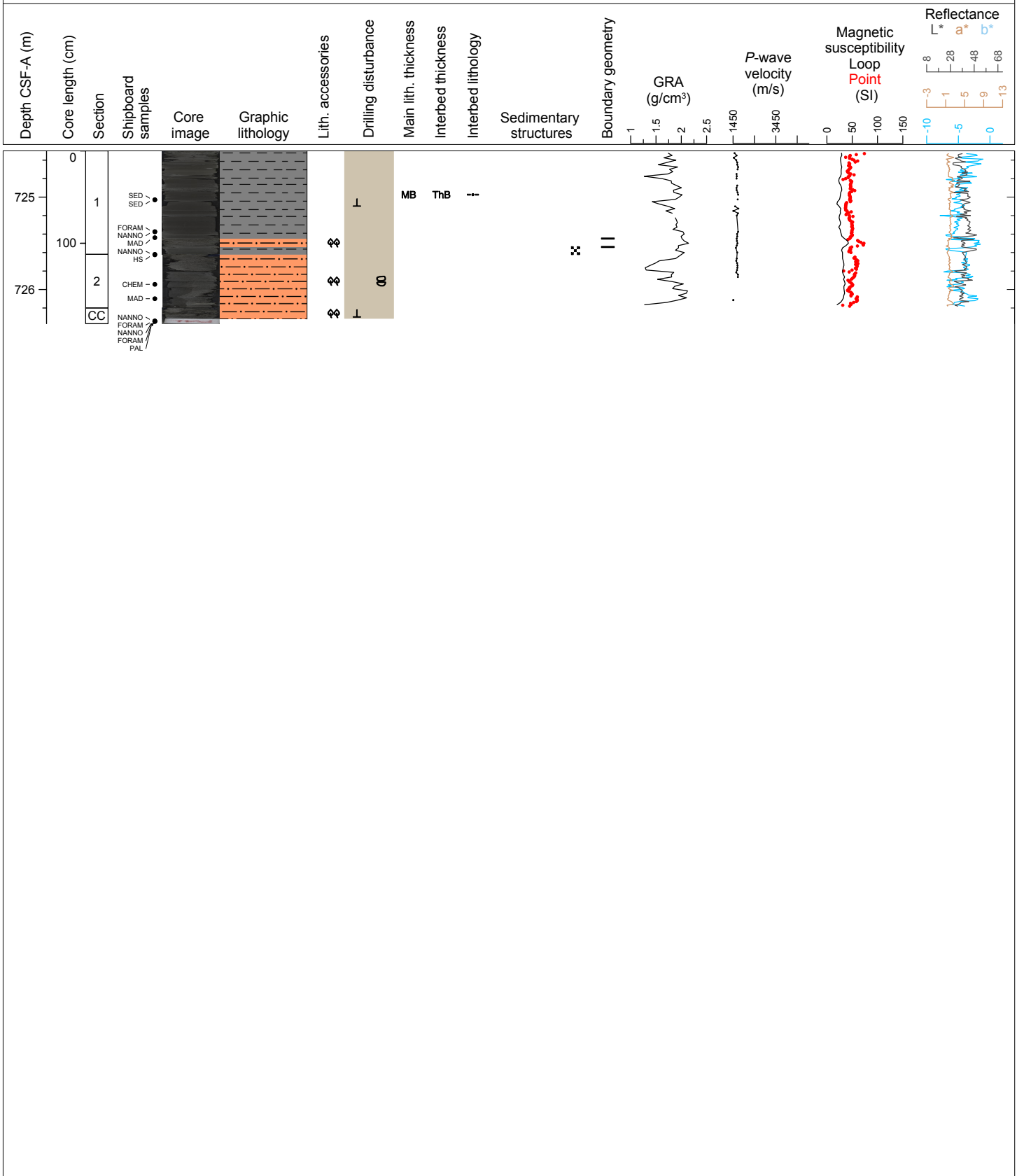
Hole 354-U1450B Core 13R, Interval 714.8-718.26 m (CSF-A)

Major lithology: gray silty clay; Minor lithology: gray clayey silt with plant fragments.



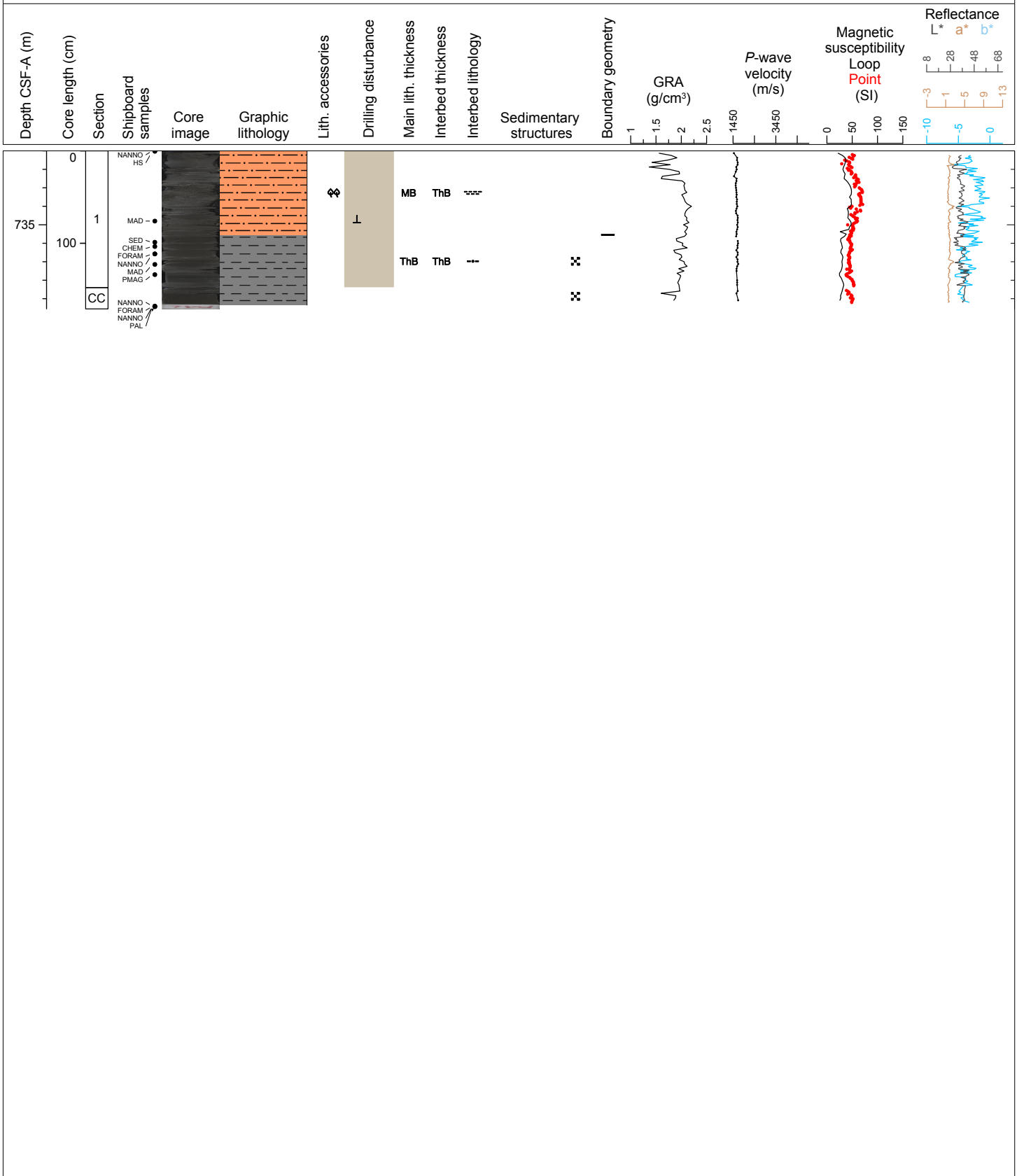
Hole 354-U1450B Core 14R, Interval 724.5-726.37 m (CSF-A)

Major lithology: gray claystone with thin silt interbeds and gray silt with plant fragments.



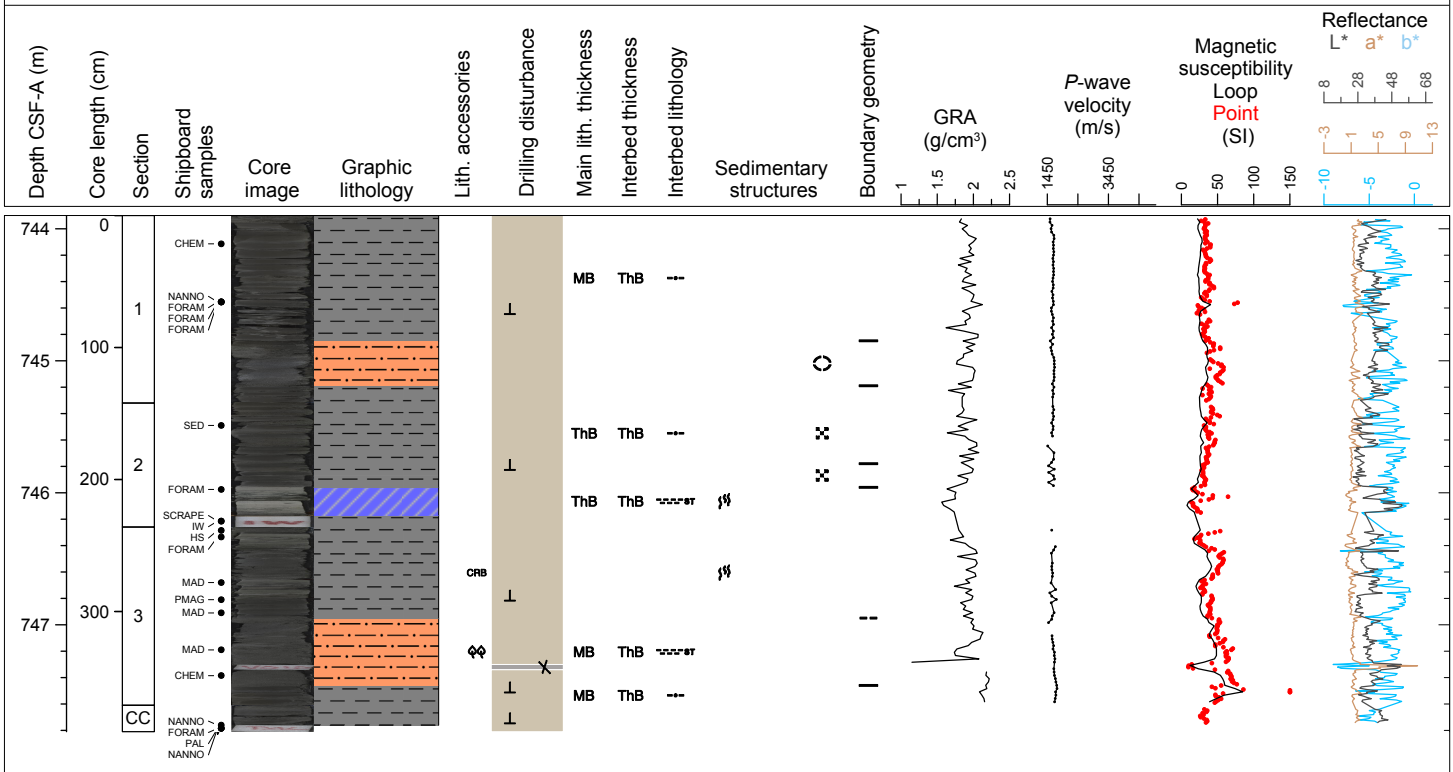
Hole 354-U1450B Core 15R, Interval 734.2-735.91 m (CSF-A)

Major lithology: silt with plant fragments and claystone with mottling.



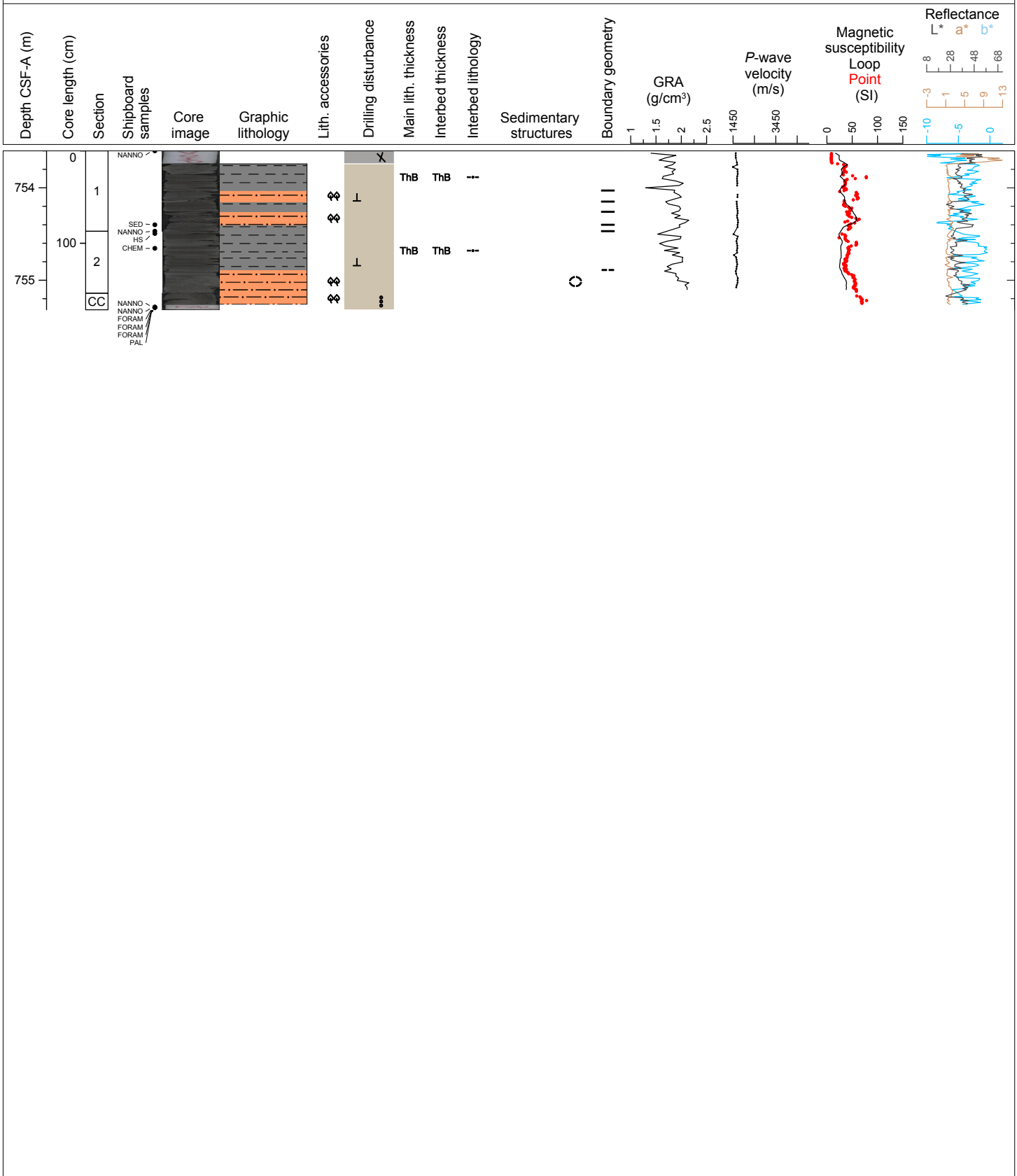
Hole 354-U1450B Core 16R, Interval 743.9-747.81 m (CSF-A)

Major lithology: gray silt; Minor lithology: gray to light gray claystone with nannofossils.



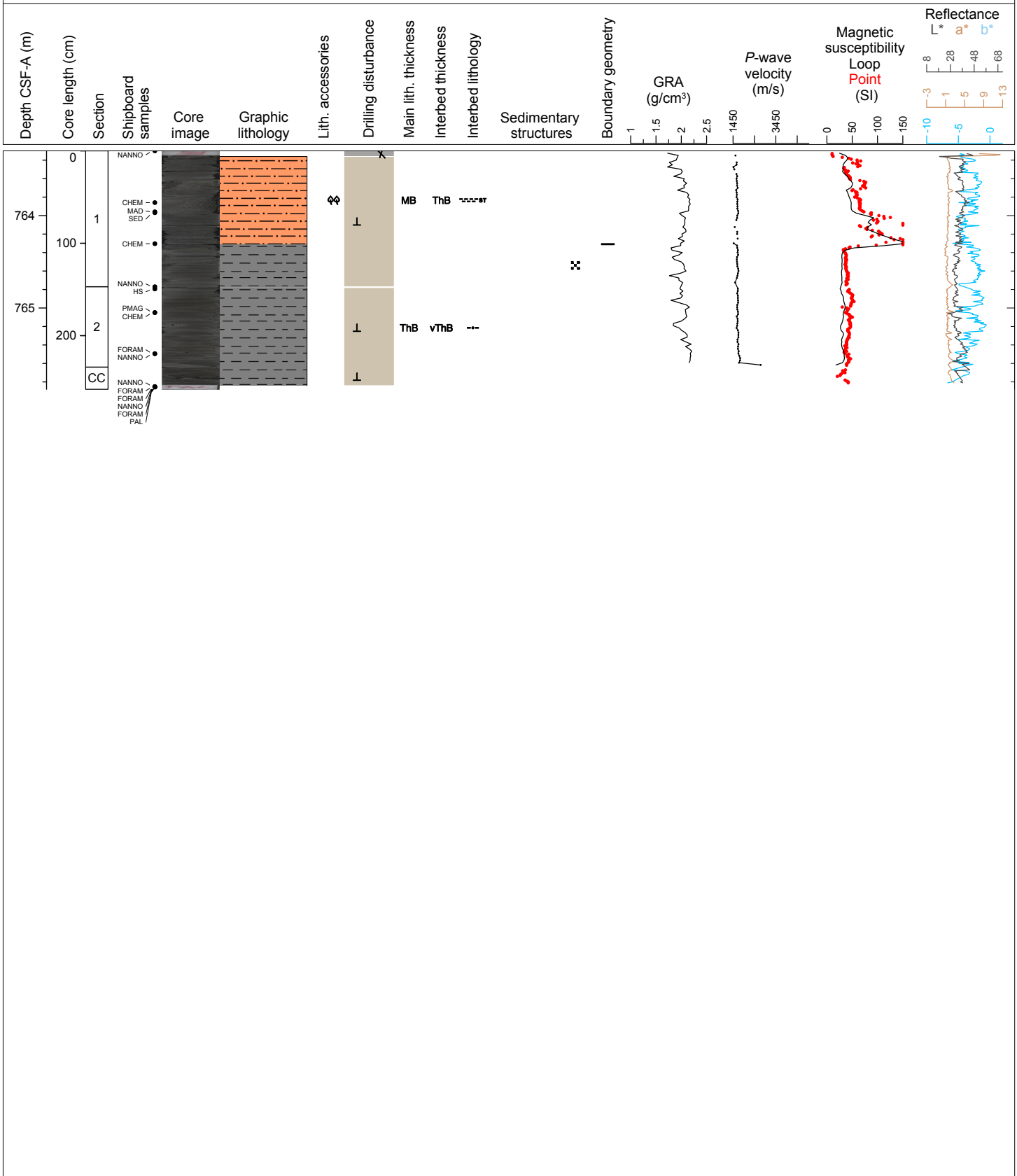
Hole 354-U1450B Core 17R, Interval 753.6-755.32 m (CSF-A)

Major lithology: gray claystone with thin silt interbeds and silt with plant fragments.



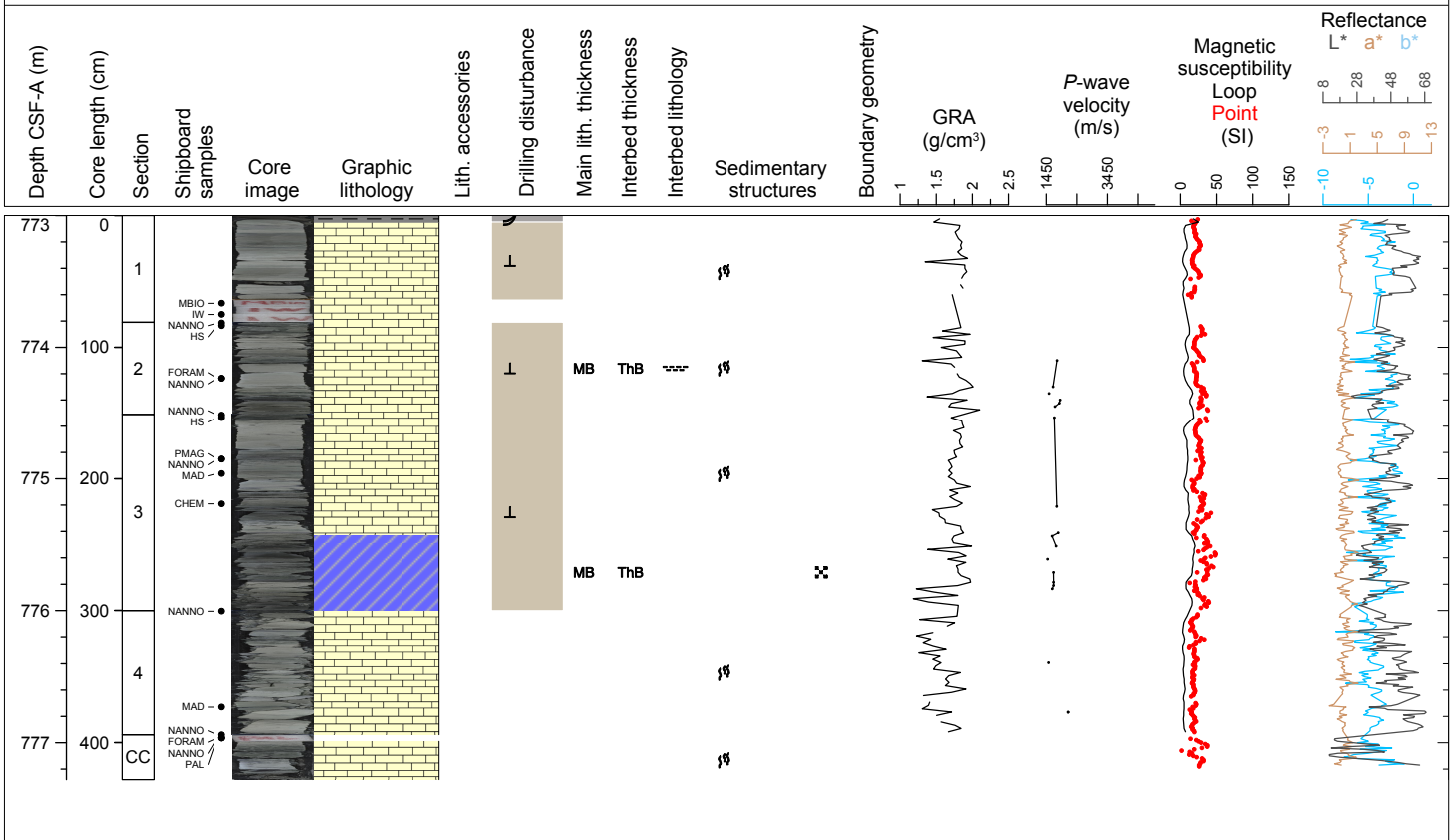
Hole 354-U1450B Core 18R, Interval 763.3-765.88 m (CSF-A)

Major lithology: gray claystone with thin to very thin silt interbeds; Minor lithology: silt with wood fragments.



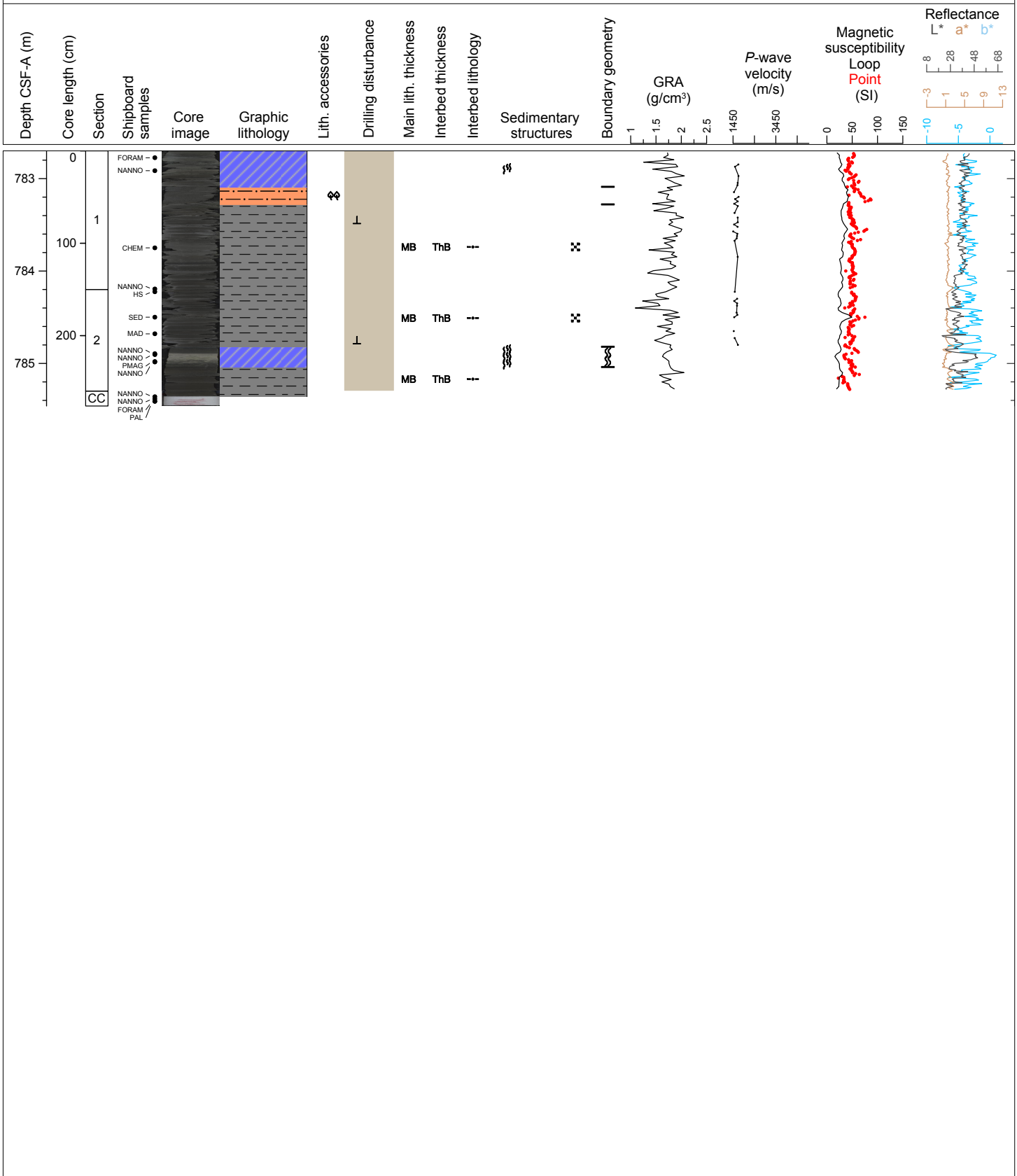
Hole 354-U1450B Core 19R, Interval 773.0-777.28 m (CSF-A)

Major lithology: white to light gray limestone with burrows; Minor lithology: light gray calcareous claystone with mottling.



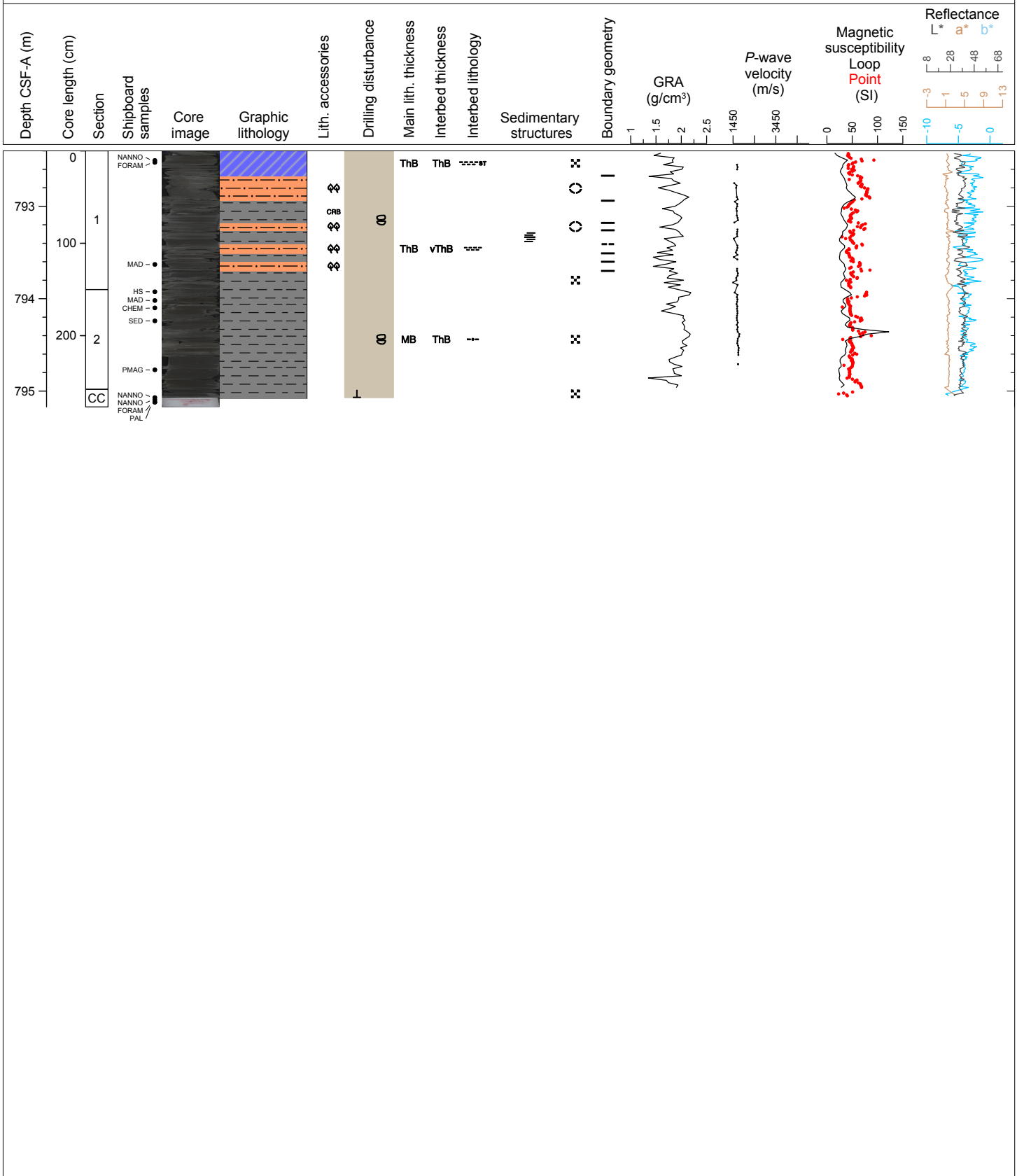
Hole 354-U1450B Core 20R, Interval 782.7-785.46 m (CSF-A)

Major lithology: gray claystone with thin silt interbeds; Minor lithology: silt with plant fragments and limestone with burrows.



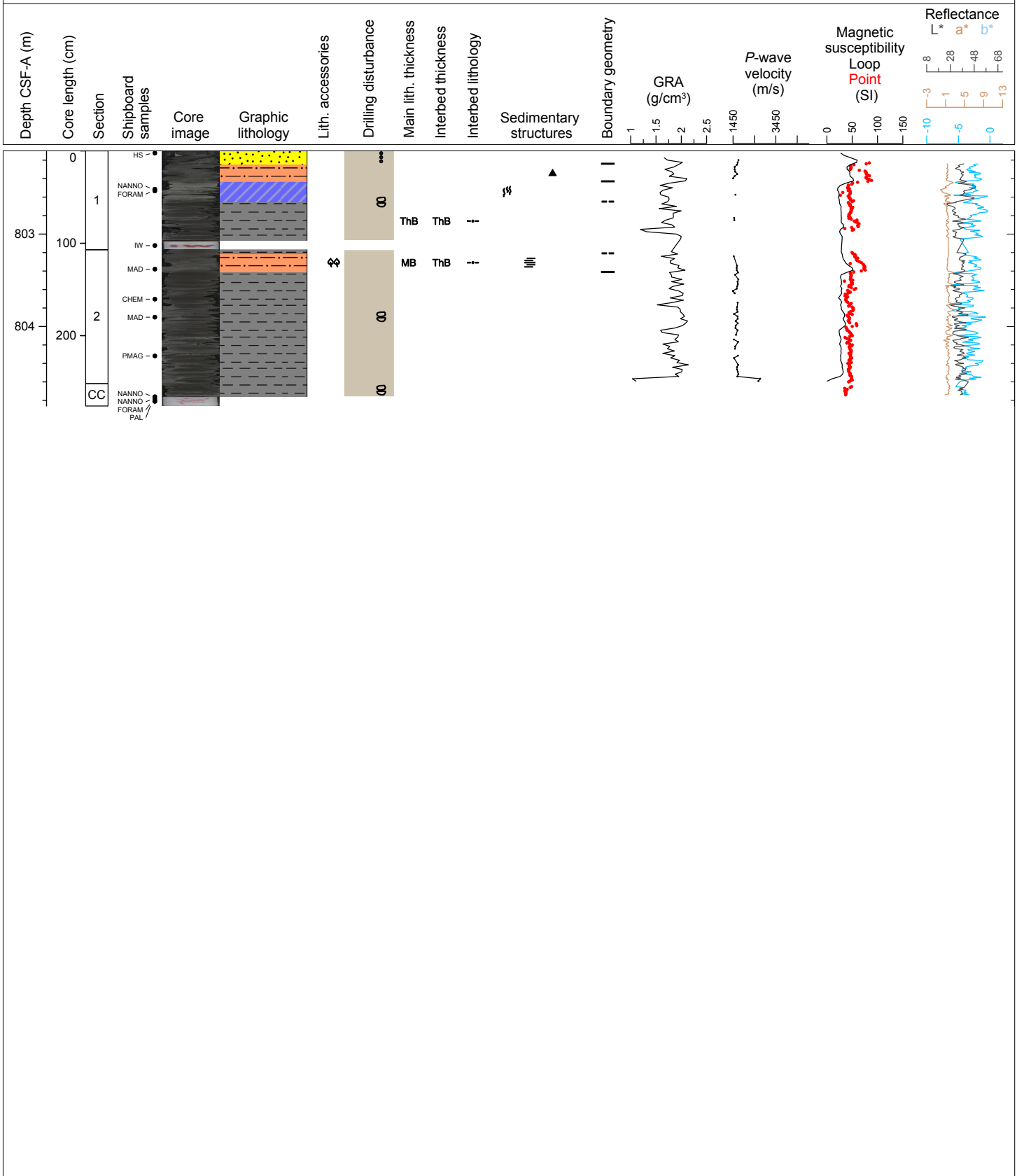
Hole 354-U1450B Core 21R, Interval 792.4-795.17 m (CSF-A)

Major lithology: dark gray claystone with thin silt interbeds; Minor lithology: gray silt with plant fragments.



Hole 354-U1450B Core 22R, Interval 802.1-804.86 m (CSF-A)

Major lithology: gray claystone with thin interbeds of silt. Minor lithology: gray silt with plant fragments and light gray clayey limestone with burrows.



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 (opaque) [%]	Fe-oxides [%]	Chert [%]	Limestone [%]	Volcanic rock [%]	Other lithic grains [%]	Viric grains [%]	Carbonate authigenic [%]	Foraminifers [%]	Calcareous nanofossils [%]	Pteropod fragments [%]	Other calcareous bioclasts [%]	Radiolarians [%]	Diatoms [%]	Silicoflagellates [%]	Sponge spicule fragments [%]	Other biotiticaceous fossil fragments [%]	Fish debris [%]	Plant debris [%]	Organic matter [%]	Total of group estimates [%]	Lithology prefix	Principal lithology	Lithology suffix	Lithology comment	Smear slide comment		
354-U1450A-1H-1-A 145/145-SED	1.45	1.45	minor lithology		opaque minerals, zircon																															radiolarian rich	nannofossil ooze	with clay		with foraminifera and diatoms		
354-U1450A-1H-1-A 54/54-SED	0.54	0.54	major lithology		opaque minerals, zircon																															radiolarian rich	nannofossil ooze	with clay		with foraminifera and diatoms		
354-U1450A-1H-2-A 10/10-SED	1.6	1.6	major lithology																																	volcanic ash	with silt	Toba ash?	volcanic glass, mainly platy glass, qz>>pl, bio>>ho, with very few nannofossil, occasionally radiolarians			
354-U1450A-1H-2-A 125/125-SED	2.75	2.75	major lithology																																	radiolarian rich	nannofossil ooze	with foraminifers		clay		
354-U1450A-1H-2-A 148/148-SED	2.98	2.98	major lithology																																	radiolarian rich	nannofossil chalk	with clay		with forams		
354-U1450A-1H-2-A 25/25-SED	1.75	1.75	major lithology																																	volcanic ash	with silt	Toba ash?	volcanic glass with few nannofossils			
354-U1450A-1H-2-A 46/46-SED	1.96	1.96	major lithology																																	radiolarian rich	nannofossil ooze			with foraminifera		
354-U1450A-1H-2-A 64/64-SED	2.14	2.14	major lithology																																	volcanic ash	with silt	Toba Ash?	coarse grained (0.1-0.5 mm)volcanic glass, with very few nannofossils; radiolarians and large forams are included.			
354-U1450A-1H-2-A 80/80-SED	2.3	2.3	major lithology																				1	2	70												radiolarian rich	nannofossil ooze	with foraminifers		clay	
354-U1450A-1H-3-A 25/25-SED	3.25	3.25	major lithology																																	radiolarian rich	nannofossil ooze	with clay		with forams		
354-U1450A-1H-4-A 96/96-SED	5.46	5.46	major lithology	0.1	opaque minerals, zircon, tourmaline																		0.5		0.5											clayey	silt					
354-U1450A-2H-1-A 52/52-SED	9.02	9.02	major lithology	0.1																			0.5		0.5											clay						
354-U1450A-2H-2-A 14/14-SED	9.77	9.77	major lithology																																	clay			Black layer			
354-U1450A-2H-3-A 10/10-SED	11.13	11.13	major lithology	0.38	opaque minerals, zircon, tourmaline, pyroxes																															silty	sand					
354-U1450A-3H-2-A 49/49-SED	13.52	13.52	major lithology	0.25	opaque minerals, zircon, tourmaline	30	40	30	63	20	6	1	2																							silty	sand					
354-U1450A-3H-5-A 110/110-SED	17.41	17.41	major lithology	0.51	opaque minerals, tourmaline, amphibole, garnet, zoisite, clinozoisite, zircon, sphene, apatite, rutile	30	40	30	77	8	8	1	2																							silty	sand					
354-U1450A-3H-6-A 75/75-SED	18.2	18.2	major lithology	0.05	opaque minerals, zircon																															silty	clay					
354-U1450A-4F-3-A 63/63-SED	22.91	22.91	major lithology	0.41	opaque minerals, zoisite, amphibole, tourmaline, garnet, clinozoisite	40	30	30	76	10	5	2	2																							silty	sand					
354-U1450A-8F-1-A 80/80-SED	39.8	39.8	major lithology	0.67	opaque minerals, amphibole, garnet, tourmaline, zoisite, clinozoisite, zircon, apatite	25	45	25																												silty	sand					
354-U1450A-11F-2-A 21/21-SED	54.9	54.9	major lithology	0.37	opaque minerals, zoisite, amphibole, clinozoisite, garnet, zircon; chromian spinel																															silty	sand					
354-U1450A-12F-1-A 76/76-SED	58.66	58.66																																		silty	sand					
354-U1450A-14F-1-A 23/23-SED	67.63	67.63	major lithology	0.25	opaque minerals, amphibole, zoisite, clinozoisite, garnet, zircon, tourmaline, apatite, xenotime?																															silty	sand					
354-U1450A-14F-2-A 134/134-SED	70.22	70.22	major lithology	0.31	opaque minerals, amphibole, tourmaline, zoisite, clinozoisite, zircon, garnet, sphene, sillimanite																															silty	sand			few nannofossils		
354-U1450A-14F-3-A 100/100-SED	71.37	71.37																																		silty	sand					
354-U1450A-14F-3-A 71/71-SED	71.08	71.08																																		silty	sand					
354-U1450A-14F-3-A 73/73-SED	71.1	71.1	major lithology																																	radiolarian rich	nannofossil ooze	with clay		silty clay		
354-U1450A-14F-3-A 83/83-SED	71.2	71.2																																		silty	sand					
354-U1450A-14F-CC-A 6/6-SED	72.2	72.2	major lithology	0.03																																clayey	silt			dominated by quartz and feldspar		
354-U1450A-16F-1-A 134/134-SED	78.24	78.24	major lithology	0.41	opaque minerals, tourmaline, garnet, zoisite, zircon, clinozoisite, apatite, sphene																															silty	sand					
354-U1450A-16F-3-A 35/35-SED	80.24	80.24	major lithology	0.04																																	silty	clay				
354-U1450A-17F-1-A 37/37-SED	81.97	81.97	major lithology	0.47	opaque minerals, zoisite, garnet, amphibole, tourmaline, zircon, staurolite																															silty	silt					
354-U1450A-17F-1-A 71/71-SED	82.31	82.31	major lithology																																			clay			with very few nannofossils	
354-U1450A-18F-1-A 2/2-SED	86.32	86.32																																			silt					
354-U1450A-18F-1-A 35/35-SED	86.65	86.65	major lithology	0.35	opaque minerals, amphibole, zoisite, garnet, tourmaline, zircon, apatite																																silty	sand				
354-U1450A-18F-1-A 89/89-SED	87.19	87.19	major lithology																				0.1	0.1	20													foraminifer rich	nannofossil ooze	with radiolarians		
354-U1450A-20F-1-A 118/118-SED	96.98	96.98	major lithology																																		clayey	silt				
354-U1450A-20F-1-A 136/136-SED	97.16	97.16	major lithology	0.08																																	clayey	silt	rich in organic matter		with much opaque minerals & organic material	
354-U1450A-20F-3-A 107/107-SED	99.49	99.49	major lithology	0.5	opaque minerals, zoisite, garnet, amphibole, tourmaline, zircon, apatite, sphene, xenotime?																															silty	sand					
354-U1450A-21F-1-A 105/105-SED	100.85	100.85	major lithology																																		silty	clay			with few nannofossils	
354-U1450A-21F-3-A 62/62-SED	103.42	103.42	major lithology	0.48	opaque minerals, tourmaline, garnet, zoisite, epidote, zircon, pyroxene, clinozoisite, amphibole, rutile, allanite,	30	40	30	60	20	9	3																									8	0.5	1			
354-U1450A-22H-2-A 50/50-SED	106.5	106.5	major lithology	0.62	opaque minerals, tourmaline, garnet, zoisite, epidote, zircon, clinozoisite																																	silty	sand			
354-U1450A-25F-2-A 40/40-SED	120.11	120.11	major lithology	0.53	opaque minerals, tourmaline, garnet, amphibole, zoisite, epidote, zircon, clinozoisite, rutile																																silty	sand				
354-U1450A-27F-2-A 13/13-SED	129.86	129.86	major lithology	0.24</																																						

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 (opaque) [%]	Fe-oxides [%]	Chert [%]	Limestone [%]	Volcanic rock [%]	Other lithic grains [%]	Viric 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-U1450A-128F-CC-A 7/7-SED	619.59	619.59	major lithology																																	nannofossil rich	calcareous clay			rich in framboidal pyrite									
354-U1450A-129X-CC-A 6/6-SED	619.86	619.86	major lithology	0.41	opaque minerals, garnet, amphibole, zoisite, sphene, tourmaline																	1														silty	sand												
354-U1450A-130F-1-A 16/16-SED	628.36	628.36	major lithology																																			nannofossil ooze											
354-U1450A-130F-2-A 73/73-SED	630.03	630.03	major lithology	0.34																		4	1															silty	sand										
354-U1450A-132X-1-A 18/18-SED	637.88	637.88	major lithology																																				silty	clay									
354-U1450A-132X-1-A 18/18-SED	637.88	637.88	major lithology	0.4	opaque minerals, garnet, amphibole, tourmaline, epidote, zircon, apatite																																			clayey	silt								
354-U1450A-132X-1-A 30/30-SED	638	638	major lithology	0.2	opaque minerals, , zoisite, clinozoisite, zircon, amphibole, garnet, tourmaline, sphene, rutile																	4	1																		silty	clay			diagenetic calcite				
354-U1450A-134X-1-A 17/17-SED	657.37	657.37	minor lithology																																						silty	clay		green thin laminae	rich in greenish altered mica; similar to a kind of glauconite				
354-U1450A-134X-1-A 26/26-SED	657.46	657.46	minor lithology	0.39	opaque minerals, zoisite, clinozoisite, garnet; rutile less HM																	1																				silty	sand			less tourmaline and amphibole			
354-U1450A-134X-CC-A 27/27-SED	659.22	659.22	minor lithology																																								clay		with nannofossils	dark gray clay			
354-U1450A-134X-CC-A 5/5-SED	659	659	major lithology																																									nannofossil ooze		bioturbated white ooze			
354-U1450A-136X-2-A 36/36-SED	678.33	678.33	major lithology																																										clay		with nannofossils		
354-U1450A-137F-1-A 91/91-SED	687.21	687.21	major lithology	0.11	opaque minerals, amphibole, zoisite, clinozoisite, zircon, garnet, sphene, rutile																	5																						clayey	silt			diagenetic calcite	

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 (opalines) [%]	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 biotitic fossil fragments [%]	Fish debris [%]	Plant debris [%]	Organic matter [%]	Total of group estimates [%]	Lithology prefix	Principal lithology	Lithology suffix	Lithology comment	Smear slide comment	
354-U1450B-2R-1-A 140/140-SED	609.4	609.4	major lithology				100					55										5	40													nannofossil rich	clay	with silt			
354-U1450B-2R-1-A 144/144-SED	609.44	609.44	major lithology									55											45														nannofossil rich	clay	with silt		
354-U1450B-2R-1-A 62/62-SED	608.62	608.62	major lithology	0.5	opq, amphibole, tourmaline, zoisite, clinozoisite, zircon																			1													silty	sand			
354-U1450B-2R-3-A 34/34-SED	610.84	610.84	major lithology	27	opq, amphibole, tourmaline, zoisite, clinozoisite, zircon	50	32	8	70	20	5	2																													
354-U1450B-7R-2-A 73/73-SED	658.83	658.83	major lithology	0.45	opq, amphibole, tourmaline, zoisite, clinozoisite, zircon																			1													silty	sand			
354-U1450B-10R-1-A 44/44-SED	686.14	686.14	major lithology	0.18	opq, amphibole, tourmaline, zoisite, clinozoisite, zircon, garnet																															silty	sand	with plant fragments		few nanno	
354-U1450B-11R-1-A 35/35-SED	695.75	695.75	major lithology									15											85															nannofossil ooze			
354-U1450B-11R-1-A 81/81-SED	696.21	696.21	major lithology	0.04	opq, amphibole, tourmaline, zoisite, clinozoisite, zircon, apatite	0	70	30	60	20	15	5											0.5	1												clayey	silt	with nannofossils		nannofossil rich,	
354-U1450B-11R-2-A 101/101-SED	697.9	697.9	major lithology			0	0	100	10	0	20	50			20										1											silty	clay	with nannofossils	green layer	HM, pyritised?	
354-U1450B-11R-2-A 50/50-SED	697.39	697.39	major lithology																																	nannofossil rich	clay	with foraminifers	burrows	with some radiolarian fragments , framboid pyrite	
354-U1450B-11R-3-A 17/17-SED	698.41	698.41	major lithology																																		clay	with silt			
354-U1450B-11R-3-A 25/25-SED	698.49	698.49	major lithology				30	70	30			65											5														clay	with nannofossils			
354-U1450B-13R-2-A 66/66-SED	716.63	716.63	major lithology				30	70	2	1		75											20	2													nannofossil rich	clay			
354-U1450B-13R-3-A 69/69-SED	718.01	718.01	major lithology	0.2	opq, amphibole, tourmaline, zoisite, clinozoisite, zircon, garnet	60	20	20	70	11	10	1	1									2		1												clayey	silt				
354-U1450B-14R-1-A 53/53-SED	725.03	725.03	major lithology	0.5	opq, amphibole, pyroxenes, tourmaline, zoisite, clinozoisite, zircon, garnet	50	30	20	68	10	8	1	10											1												sandy	silt	with plant fragments			
354-U1450B-15R-1-A 99/99-SED	735.19	735.19	major lithology	0.28	opq, amphibole, tourmaline, pyroxene, zoisite, clinozoisite, garnet	35	35	30	61	15	10	1	10									2		1												silty	sand	with plant fragments			
354-U1450B-16R-2-A 17/17-SED	745.49	745.49	major lithology	0.31	opq, tourmaline, amphibole, epidote, zoisite, zircon, sphene	30	30	40	62	15	10	1	10									1		1												silty	sand	with plant fragments			
354-U1450B-17R-1-A 80/80-SED	754.4	754.4	major lithology	0.35	less HM., opq, amphibole, tourmaline, pyroxene, zircon, zoisite, clinozoisite	20	50	30	64	17	7	1	10									1		0.5												sandy	silt				
354-U1450B-18R-1-A 67/67-SED	763.97	763.97	major lithology	0.39	less HM., opq, amphibole, tourmaline, garnet, pyroxene, zircon, zoisite	50	30	20	64	18	5	1	10										1		1											silty	sand				
354-U1450B-20R-2-A 30/30-SED	784.5	784.5	major lithology	0.31	less HM., opq, amphibole, tourmaline, garnet, zircon, zoisite, sphene, sillimanite	50	30	20	63	20	5	0	10										1		1											silty	sand	with plant fragments			
354-U1450B-21R-2-A 34/34-SED	794.24	794.24	major lithology	0.23	less HM., opq, amphibole, garnet, pyroxene, zircon, zoisite	40	30	30	60	20	5	0	15																							silty	sand	with plant fragments		few nanno	
354-U1450B-22R-1-A 31/31-SED	802.41	802.41	major lithology	0.33	opq, tourmaline, amphibole, pyroxene, garnet, zircon, zoisite	40	30	30	60	20	5	0	14									0.5		1												sandy	silt				