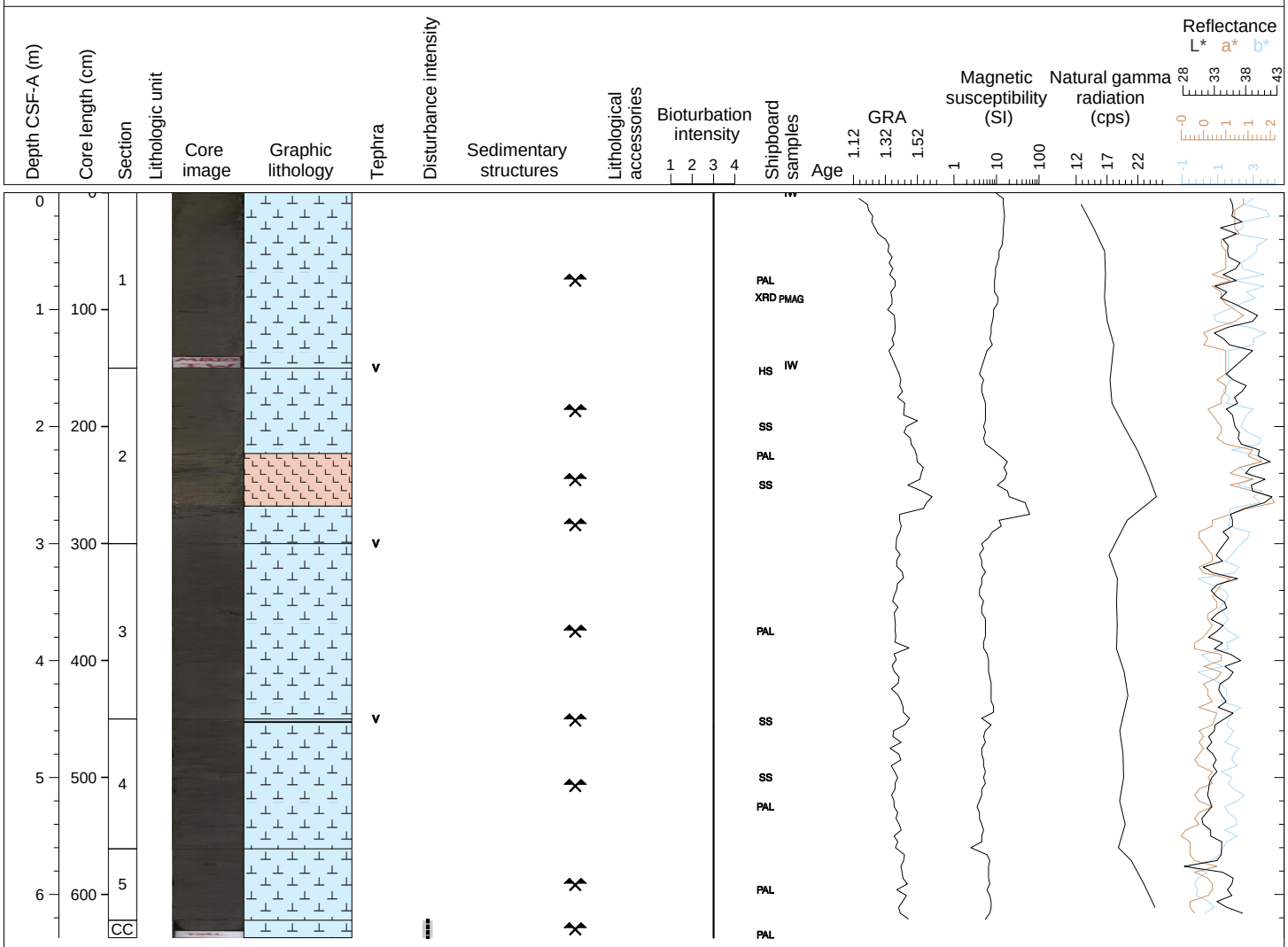
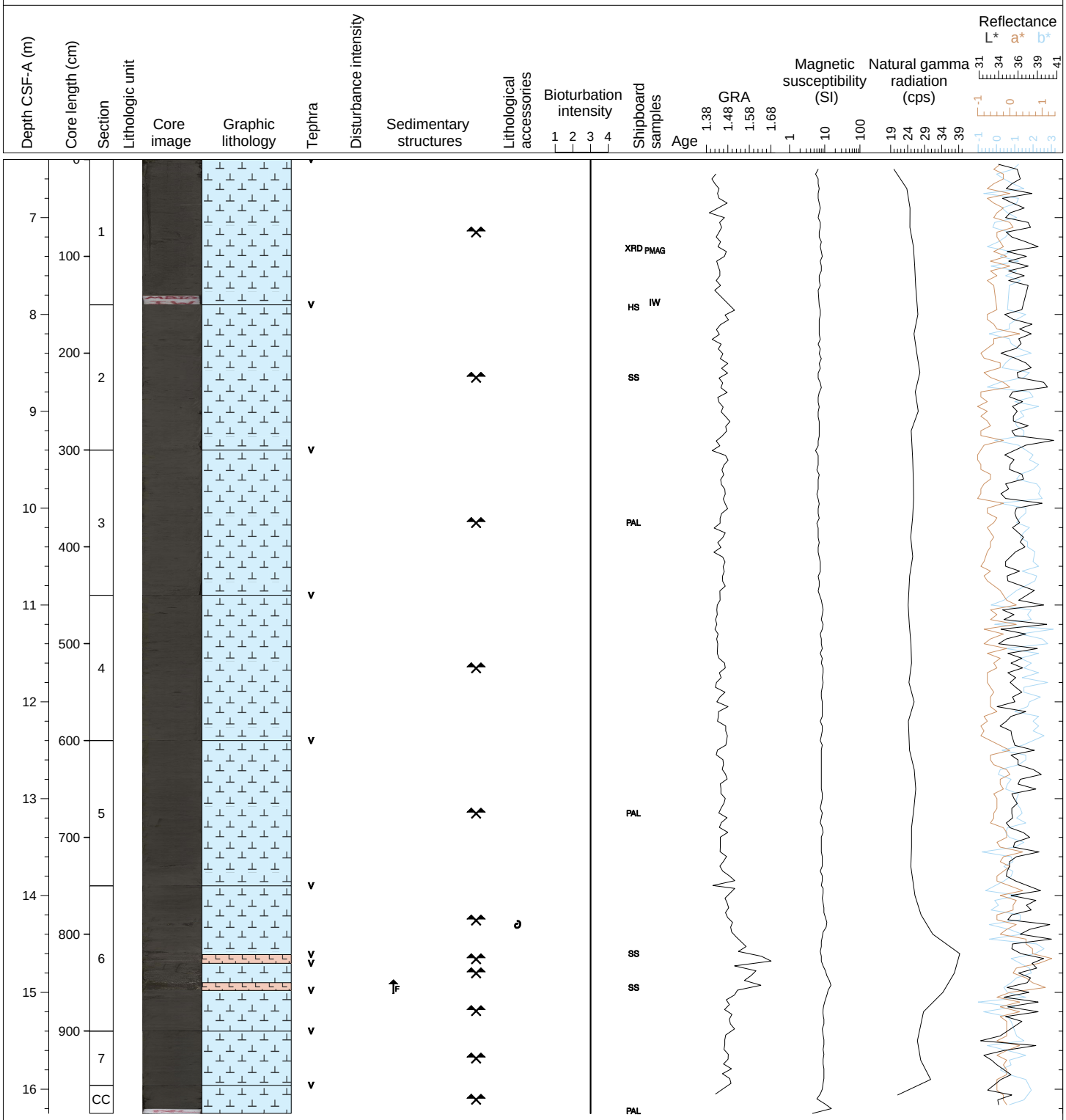
Hole 346-U1428A Core 1H, Interval 0.0-6.37 m (CSF-A)

VOLCANIC GLASS-BEARING NANNOFOSSIL OOZE (dark greenish gray) grading into DIATOM-BEARING NANNOFOSSIL OOZE WITH VOLCANIC ASH (dark greenish gray), with evidence of heavy bioturbation throughout. A thick gray vitric TEPHRA layer occurs in Section 2, 73-118 cm and a thinner (1-cm) vitric tephra is also found in Section 4.



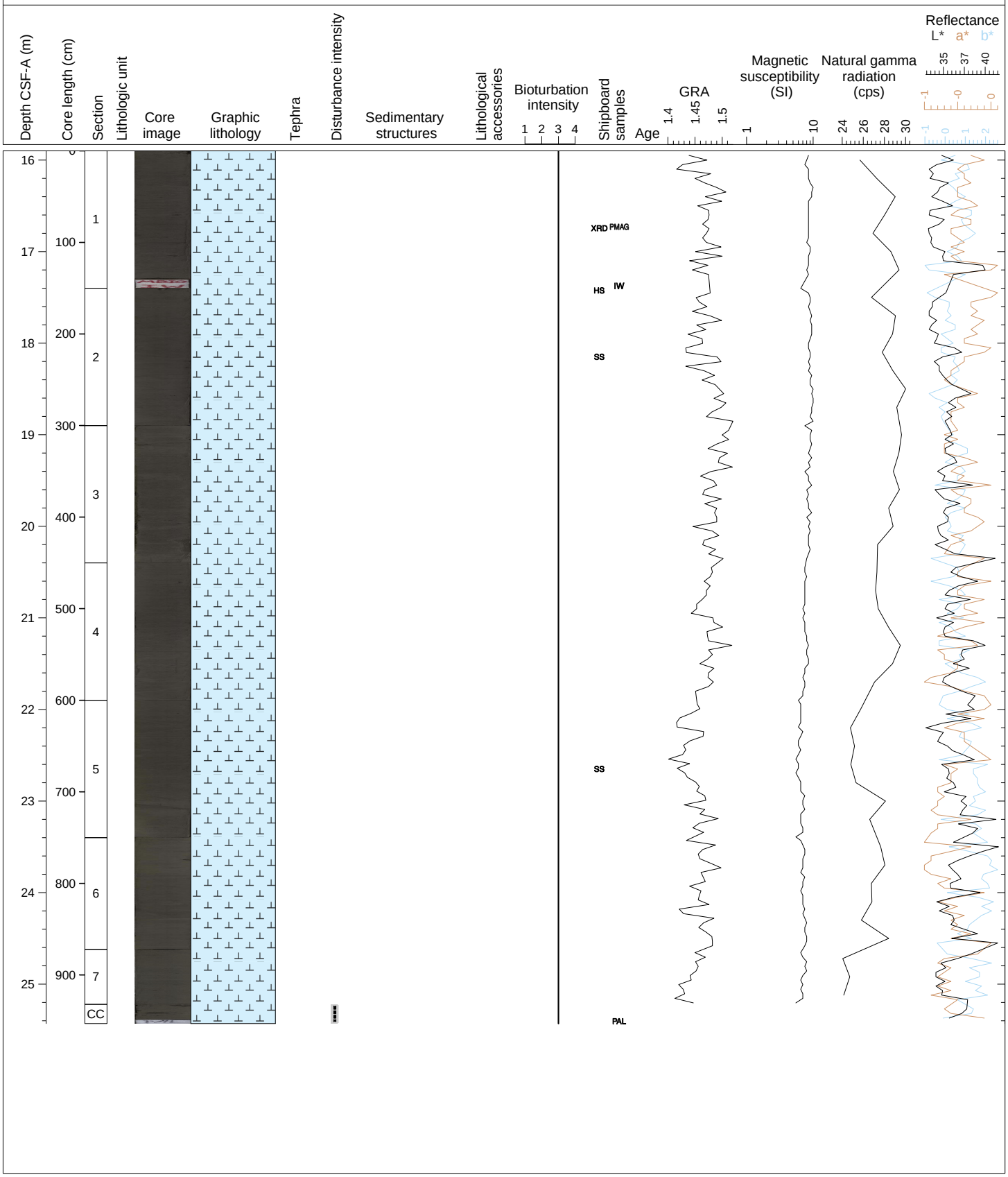
Hole 346-U1428A Core 2H, Interval 6.4-16.25 m (CSF-A)

VOLCANIC GLASS-BEARING NANNOFOSSIL OOZE (dark greenish gray), with evidence of heavy bioturbation. Two distinct gray vitric TEPHRA layers in Section 6, 71-80 cm and 100-108 cm, the latter showing normal grading. A gastropod macrofossil is visible in Section 6.



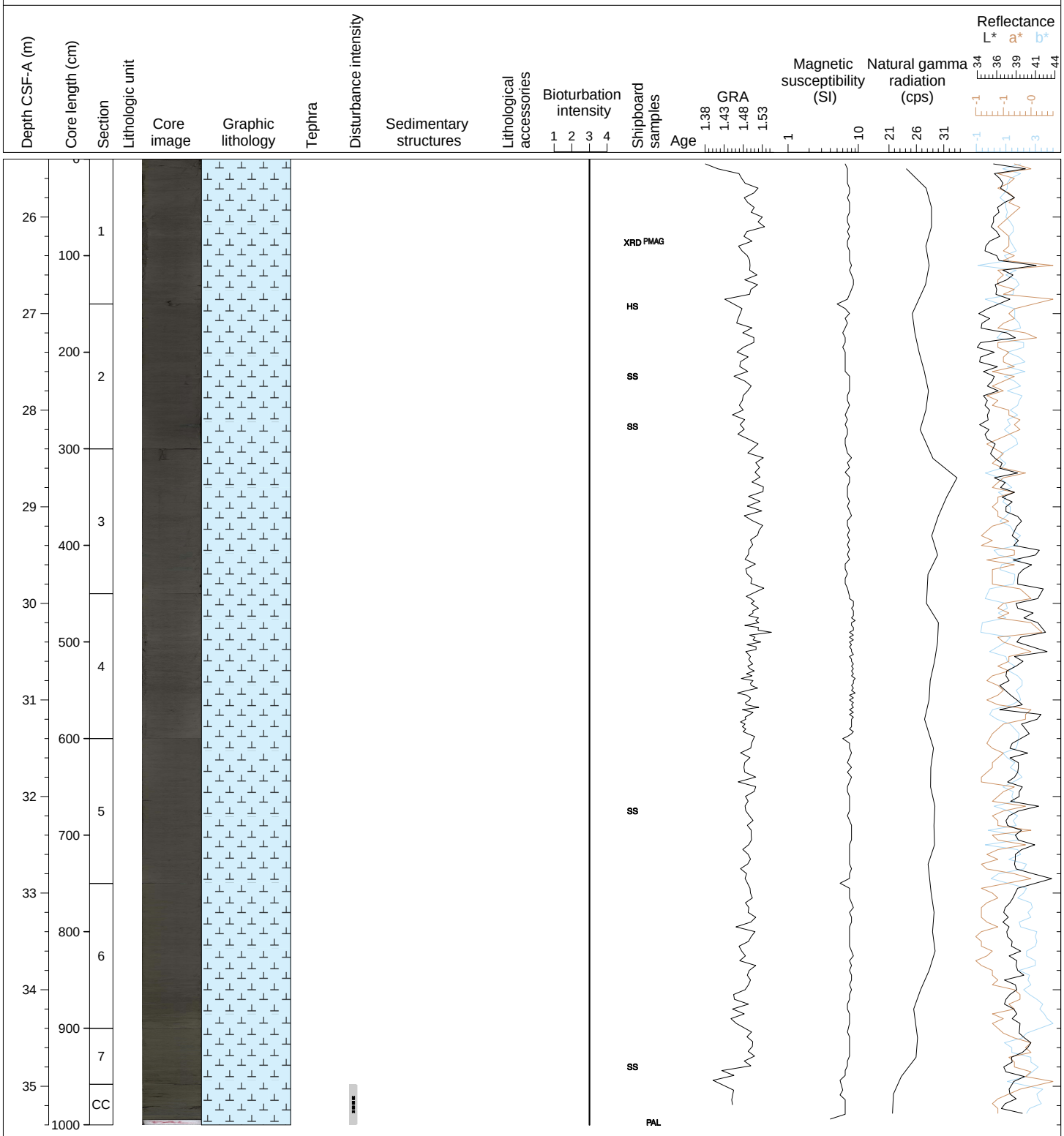
Hole 346-U1428A Core 3H, Interval 15.9-25.43 m (CSF-A)

DIATOM-BEARING NANNOFOSSIL OOZE (dark greenish gray), heavy bioturbation. Completely structureless.



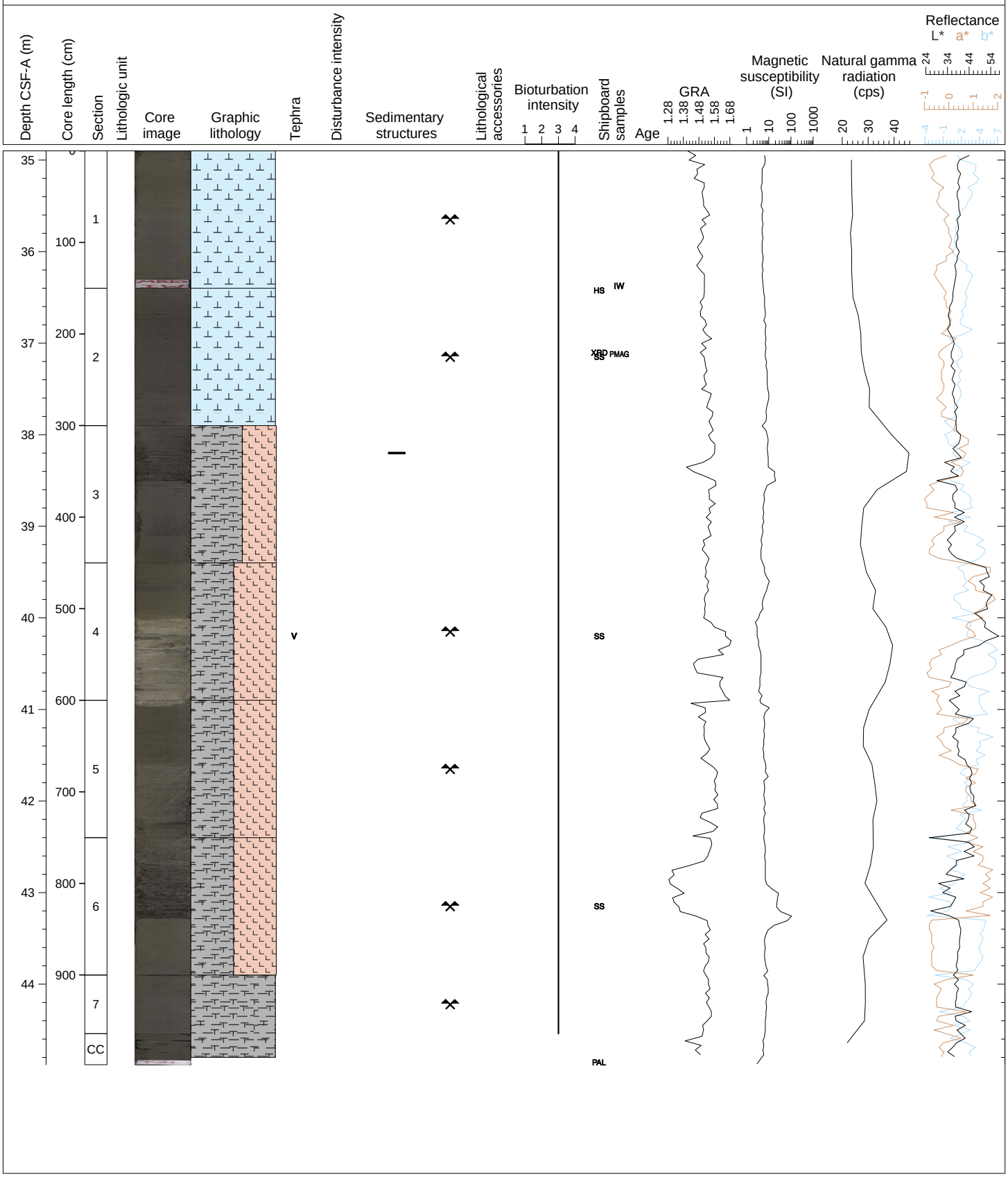
Hole 346-U1428A Core 4H, Interval 25.4-35.4 m (CSF-A)

DIATOM-BEARING NANNOFOSSIL OOZE WITH FORAMINIFERS (dark greenish gray), heavily bioturbated throughout and completely structureless.



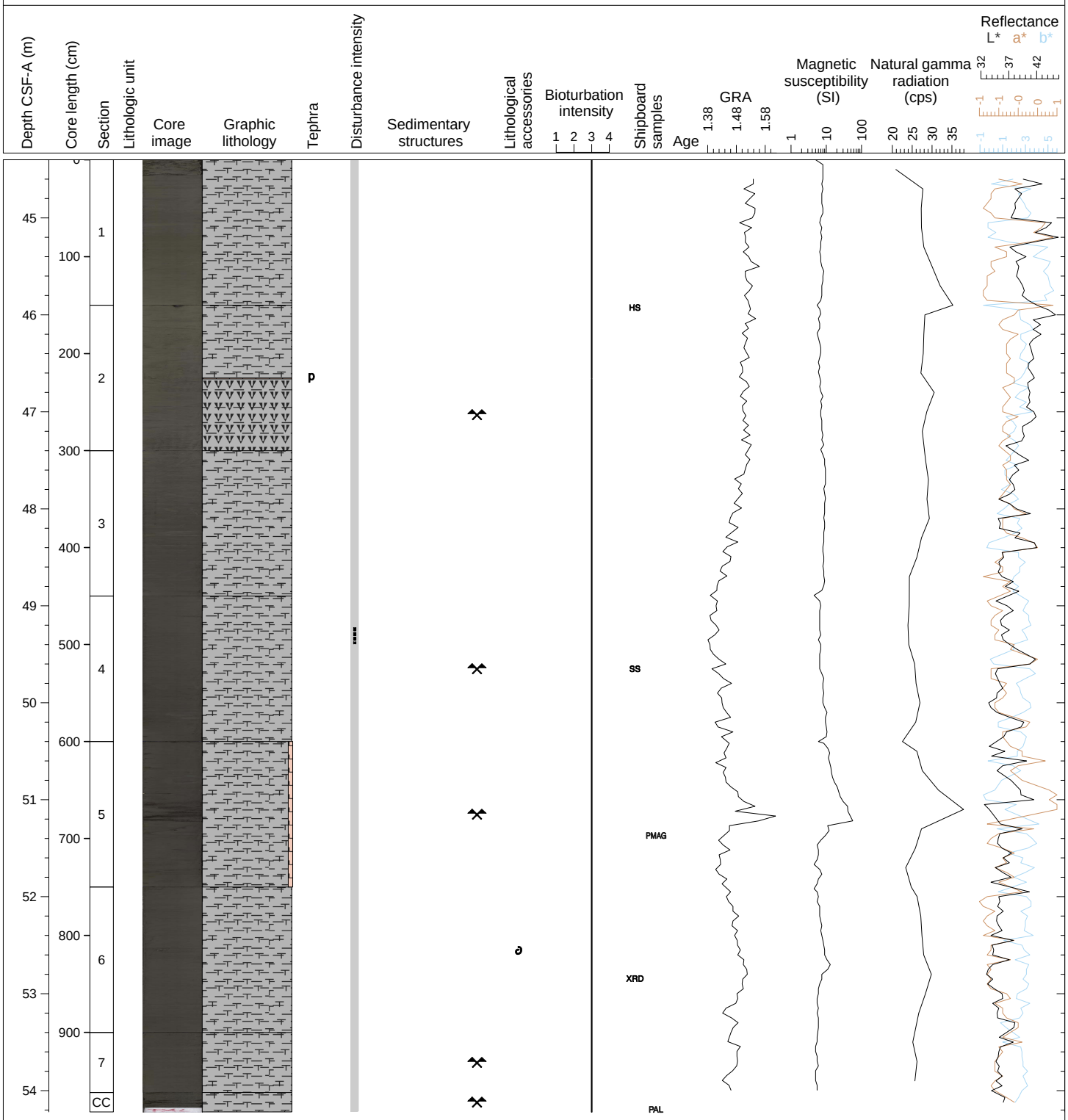
Hole 346-U1428A Core 5H, Interval 34.9-44.88 m (CSF-A)

DIATOM-BEARING NANNOFOSSIL OOZE WITH FORAMINIFERS grading below Section 2 into NANNOFOSSIL-RICH CLAY WITH FORAMINIFERA, dark greenish gray with heavy bioturbation and without structure except for some minor disturbance from gas expansion.



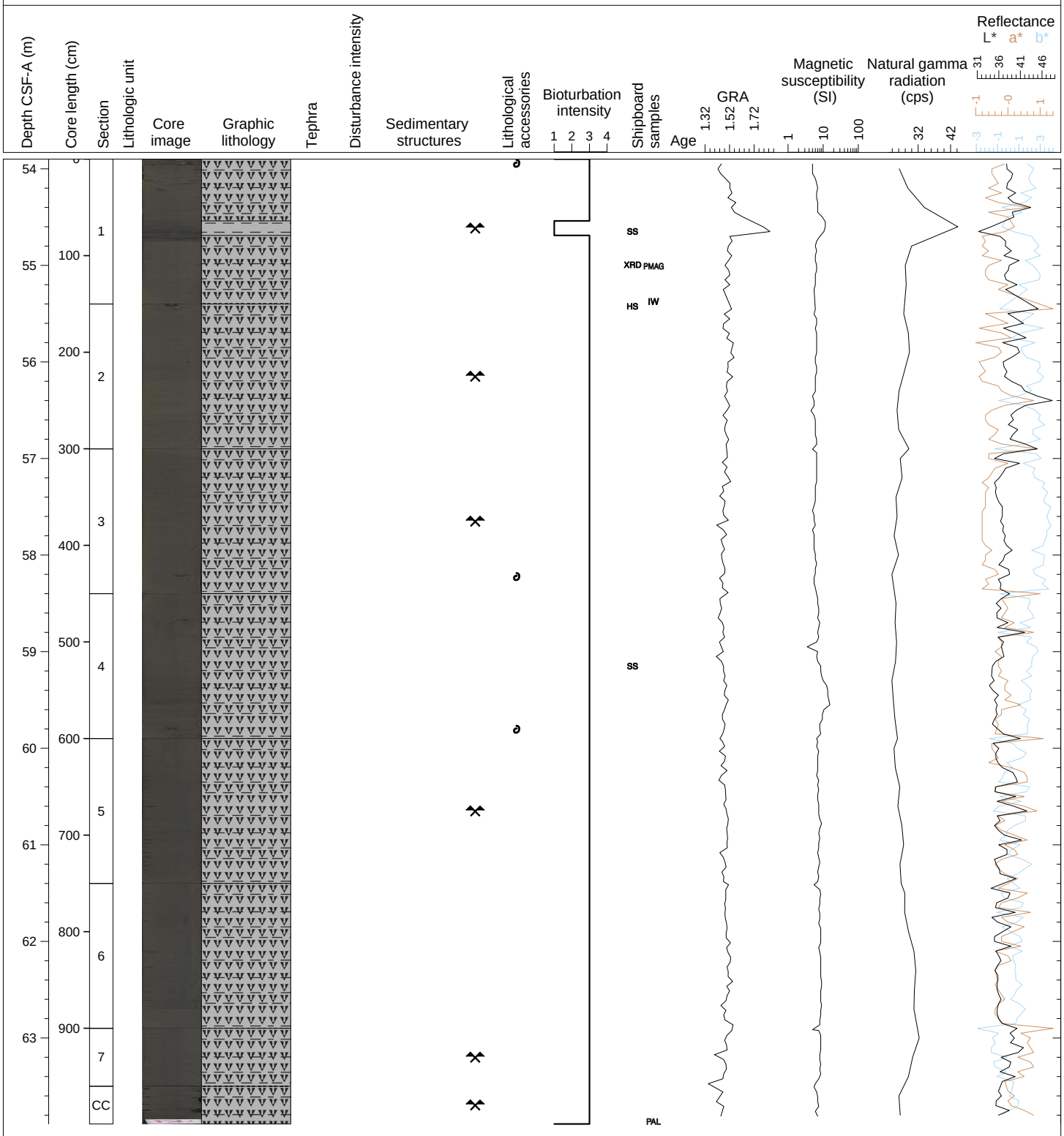
Hole 346-U1428A Core 6H, Interval 44.4-54.22 m (CSF-A)

NANNOFOSSIL-RICH CLAY WITH FORAMINIFERS (dark greenish gray) and NANNOFOSSIL-RICH CLAY WITH DIATOMS as a minor lithology in Section 2. Heavily bioturbated and largely featureless. Dispersed volcanic glass in Sections 2 and 3 and a thin pumice layer at Section 2, 75-76 cm.



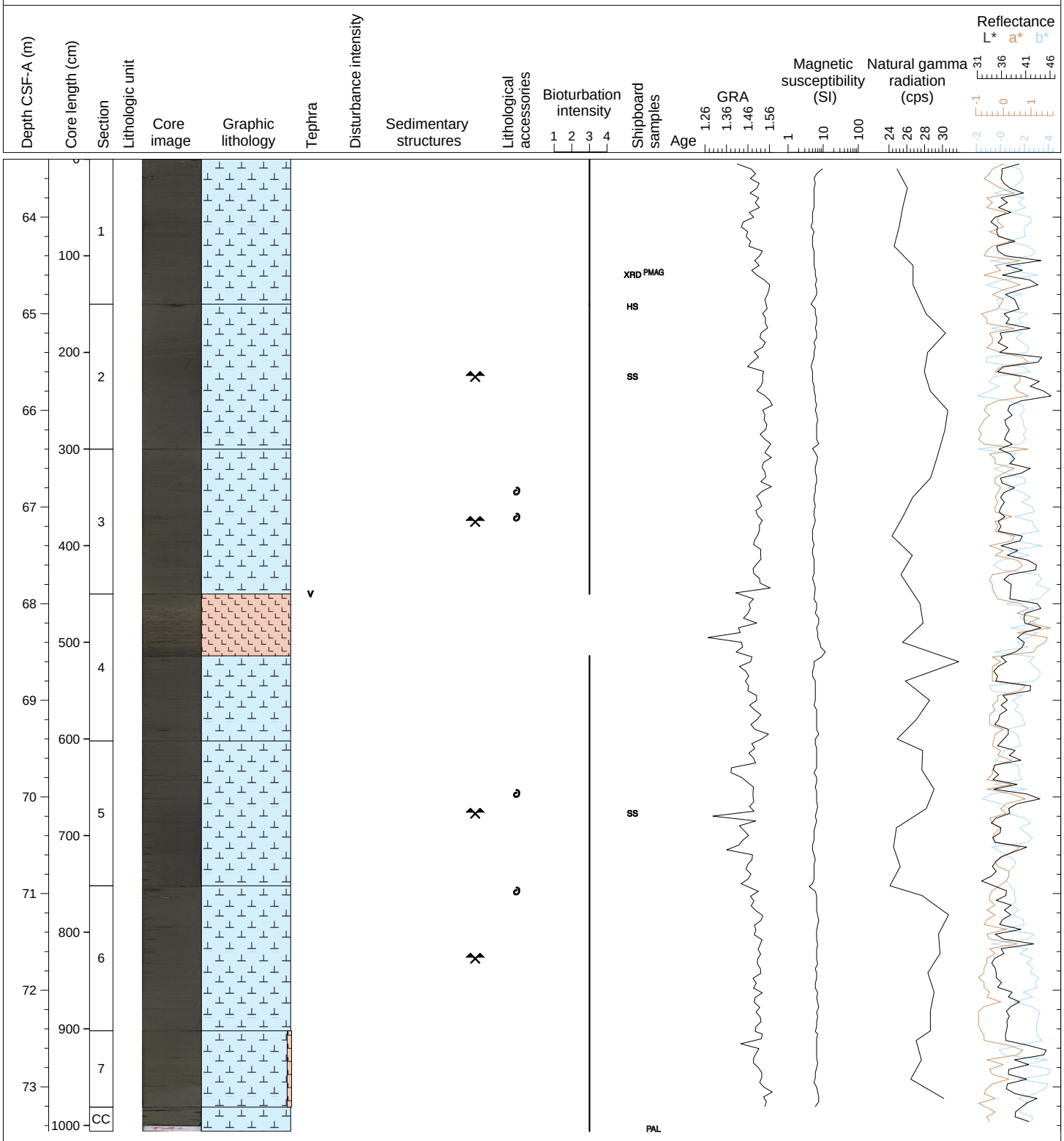
Hole 346-U1428A Core 7H, Interval 53.9-63.89 m (CSF-A)

NANNOFOSSIL-RICH CLAY WITH DIATOMS (grayish green to dark greenish gray), homogeneous in appearance from heavy bioturbation. A distinct SANDY CLAY interval (dark gray) is observed in Section 1, 64-79 cm, with thin laminated, coarser beds. Scattered shell fragments and sparse hydrotroilite on split sediment surface. Minor disturbance from gas expansion.



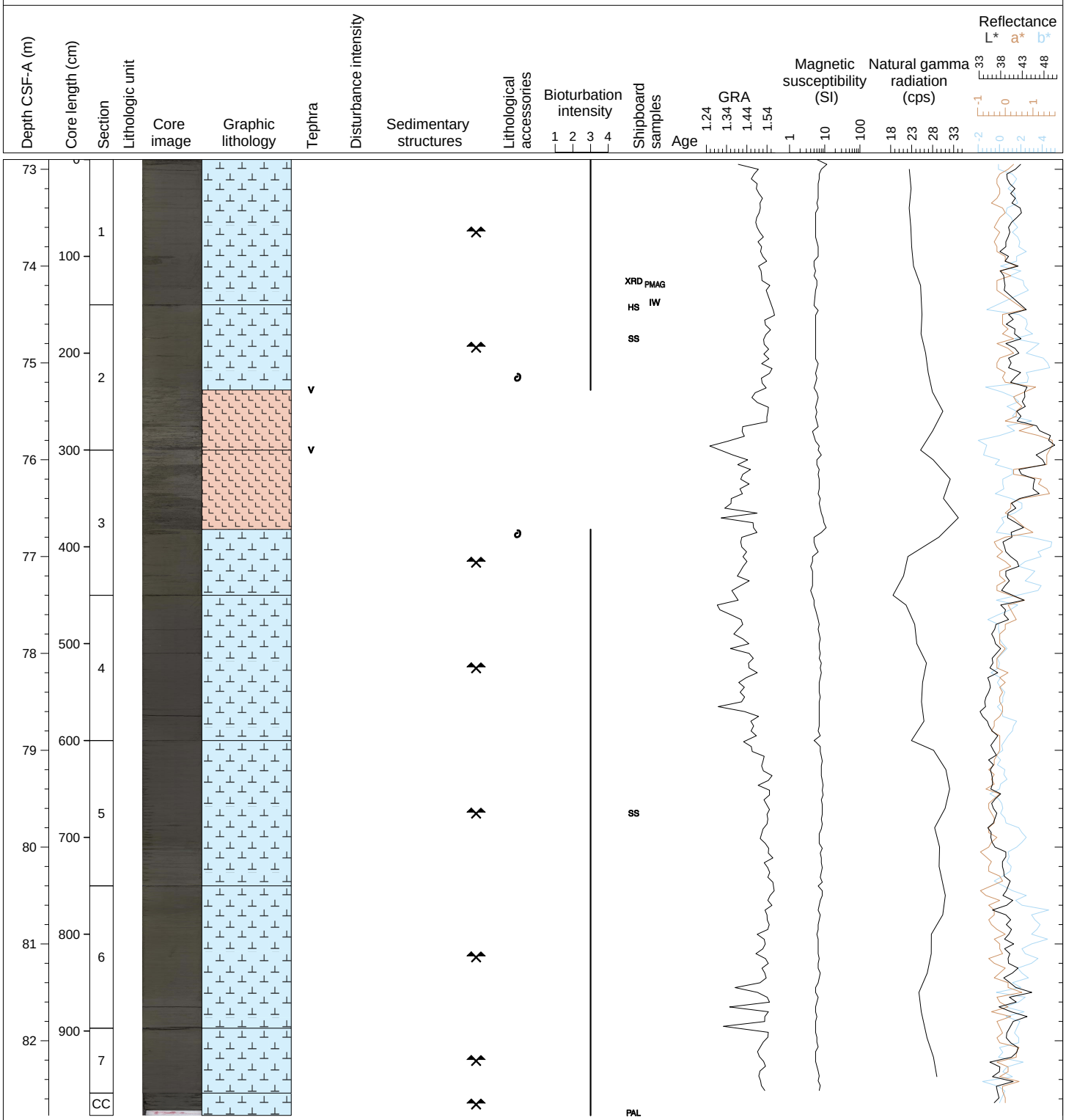
Hole 346-U1428A Core 8H, Interval 63.4-73.46 m (CSF-A)

DIATOM-BEARING NANNOFOSSIL OOZE WITH FORAMINIFERS (dark gray to grayish green), with heavy bioturbation and a very homgeneous appearance. A thick TEPHRA layer appears in Section 4, 0-64 cm, and dispersed volcanic glass can be found as a minor component of Sections 5 through the CC. Several small bivalve and gastropod shells are exposed on the sediments surface and a small piece of woody material is found in Section 3. Minor disturbance (cracking) from gas expansion.



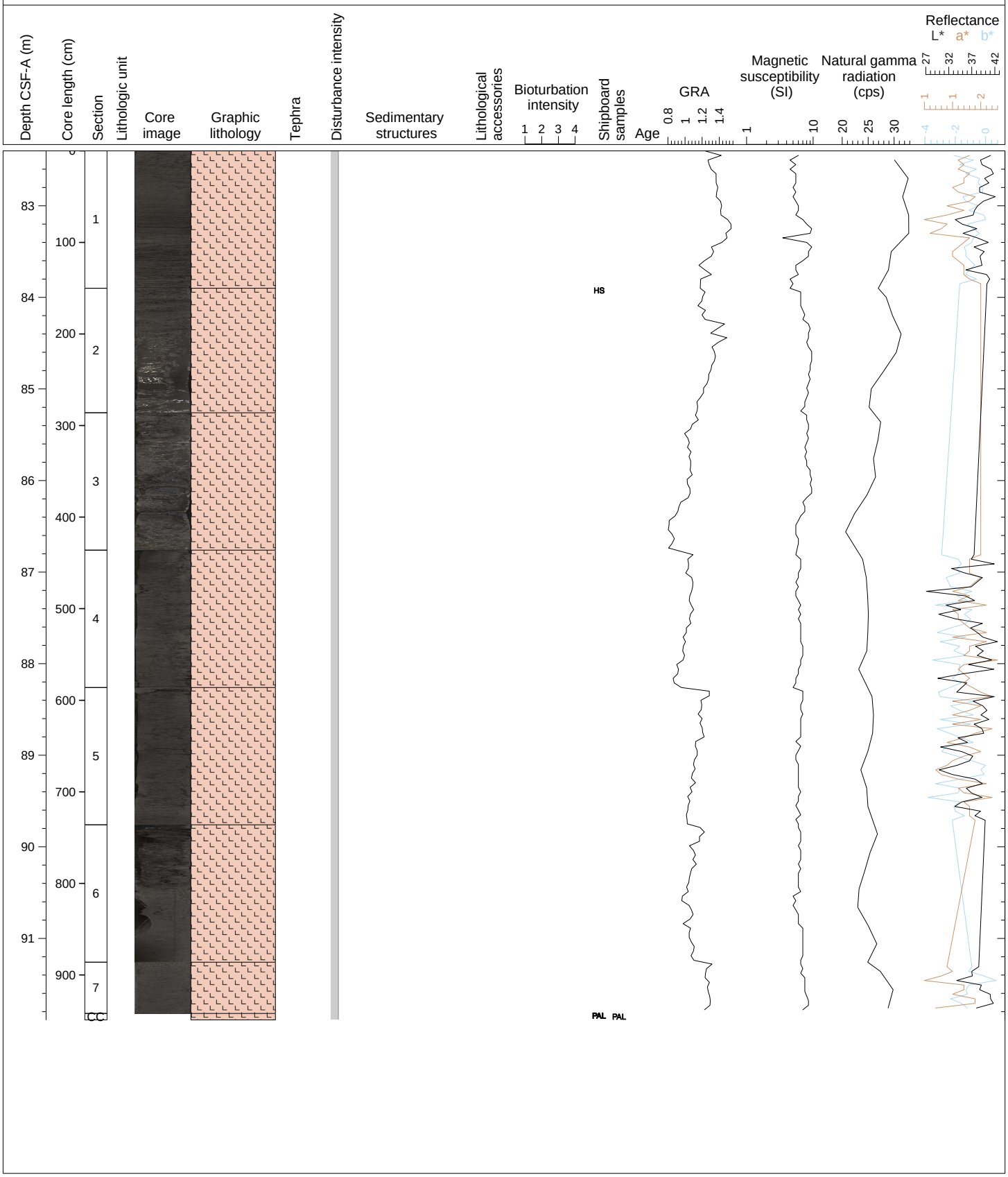
Hole 346-U1428A Core 9H, Interval 72.9-82.77 m (CSF-A)

DIATOM-BEARING NANNOFOSSIL OOZE WITH FORAMINIFERS (dark gray) grading into NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH FORAMINIFERS (grayish green to gray), with heavy bioturbation. Completely structureless. A thick vitric TEPHRA layer extends from Section 2, 88 cm, to Section 3, 82 cm. Sparse gastropod and echinoderm fragrments are observed. Minor disturbance from gas expansion.



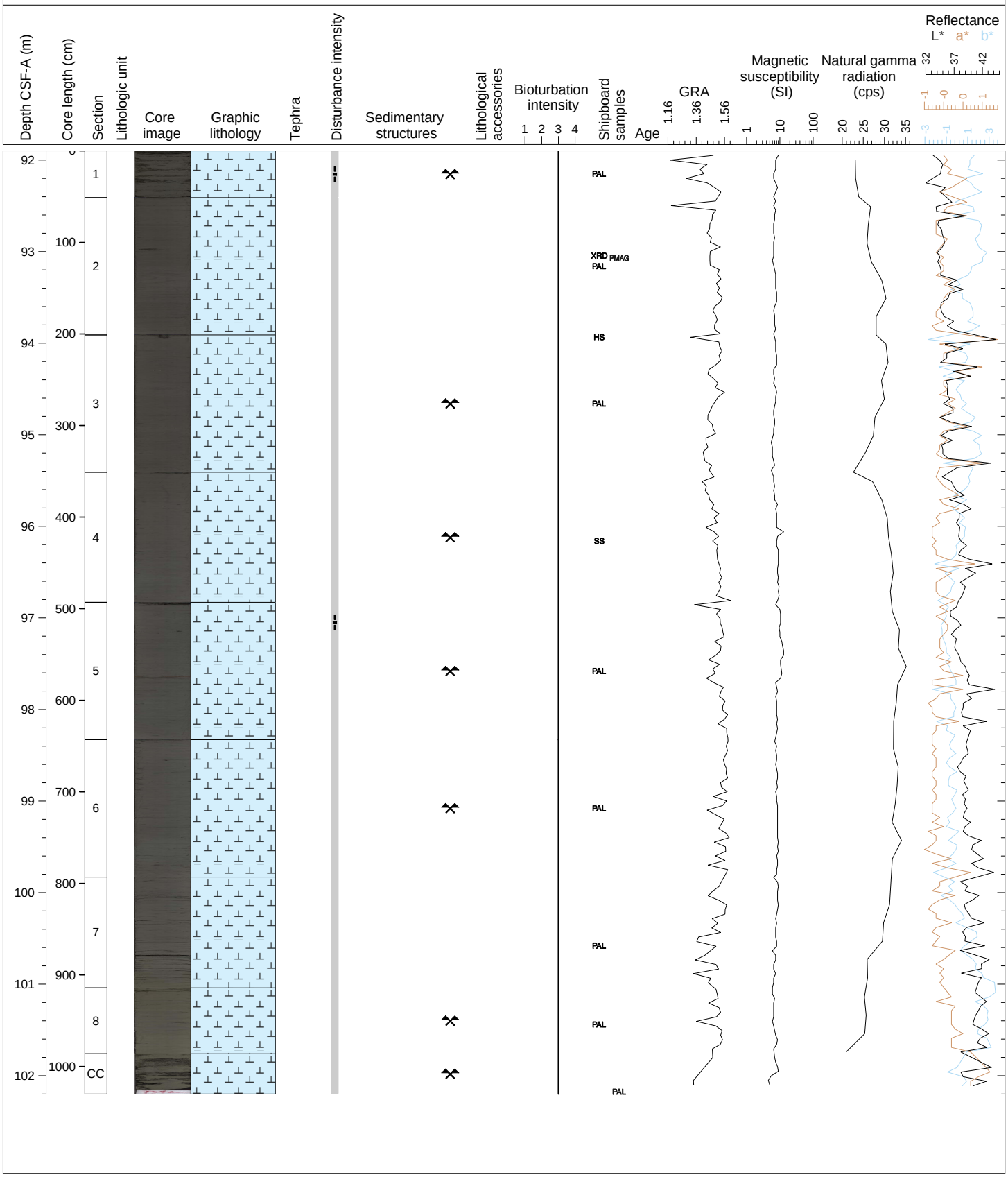
Hole 346-U1428A Core 10H, Interval 82.4-91.89 m (CSF-A)

Entire core consists of loosely consolidated TEPHRA (vitric) that is high disturbed and appears to have been sucked in during coring.



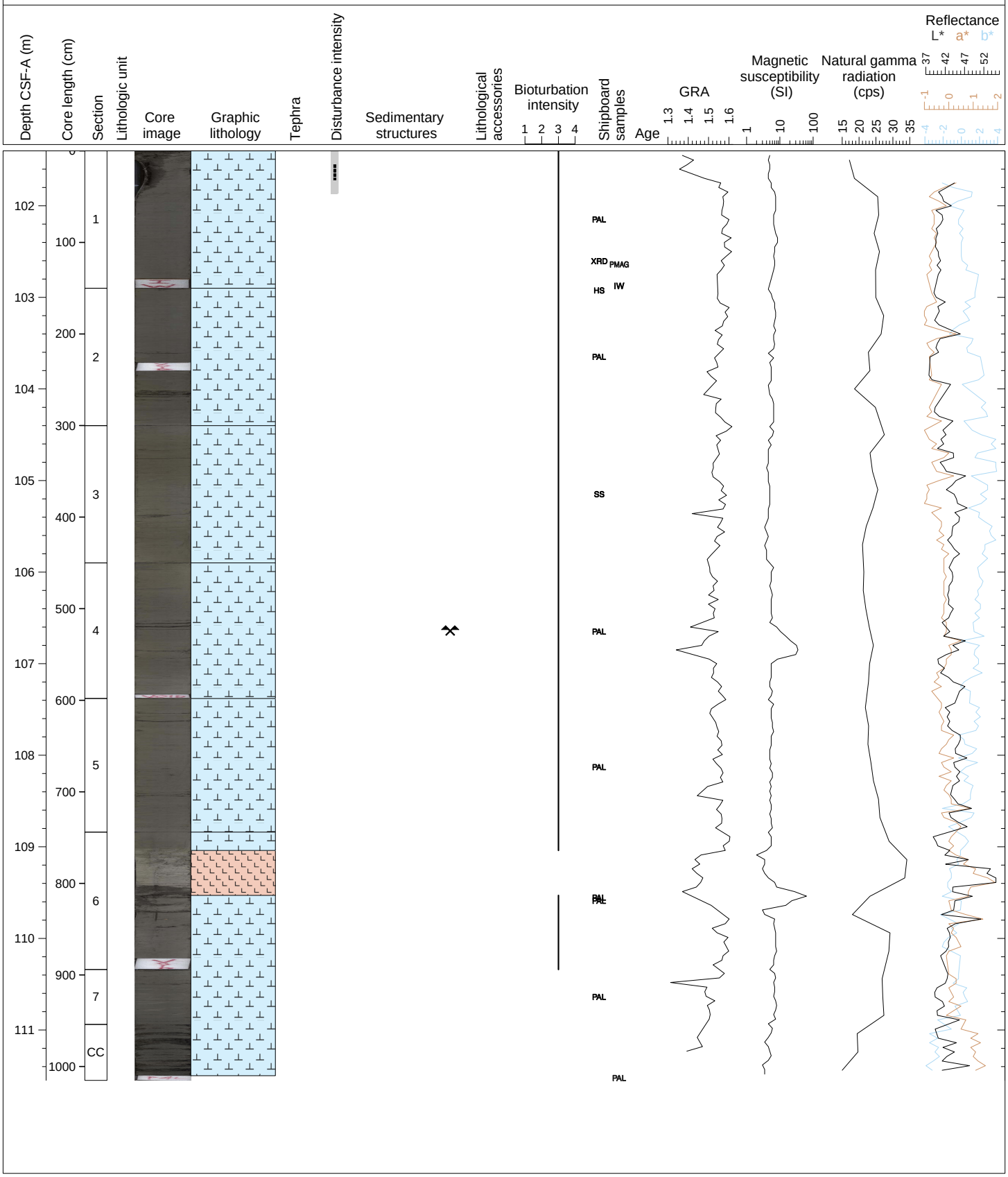
Hole 346-U1428A Core 11H, Interval 91.9-102.2 m (CSF-A)

NANNOFOSSIL OOZE WITH FORAMINIFERS, olive gray to dark gray, with rare diatoms identified in smear slides. Heavy bioturbation throughout and completely structureless except for some disturbance (cracking) from gas expansion. Scattered hydrotroilite on freshly split sediment surface.



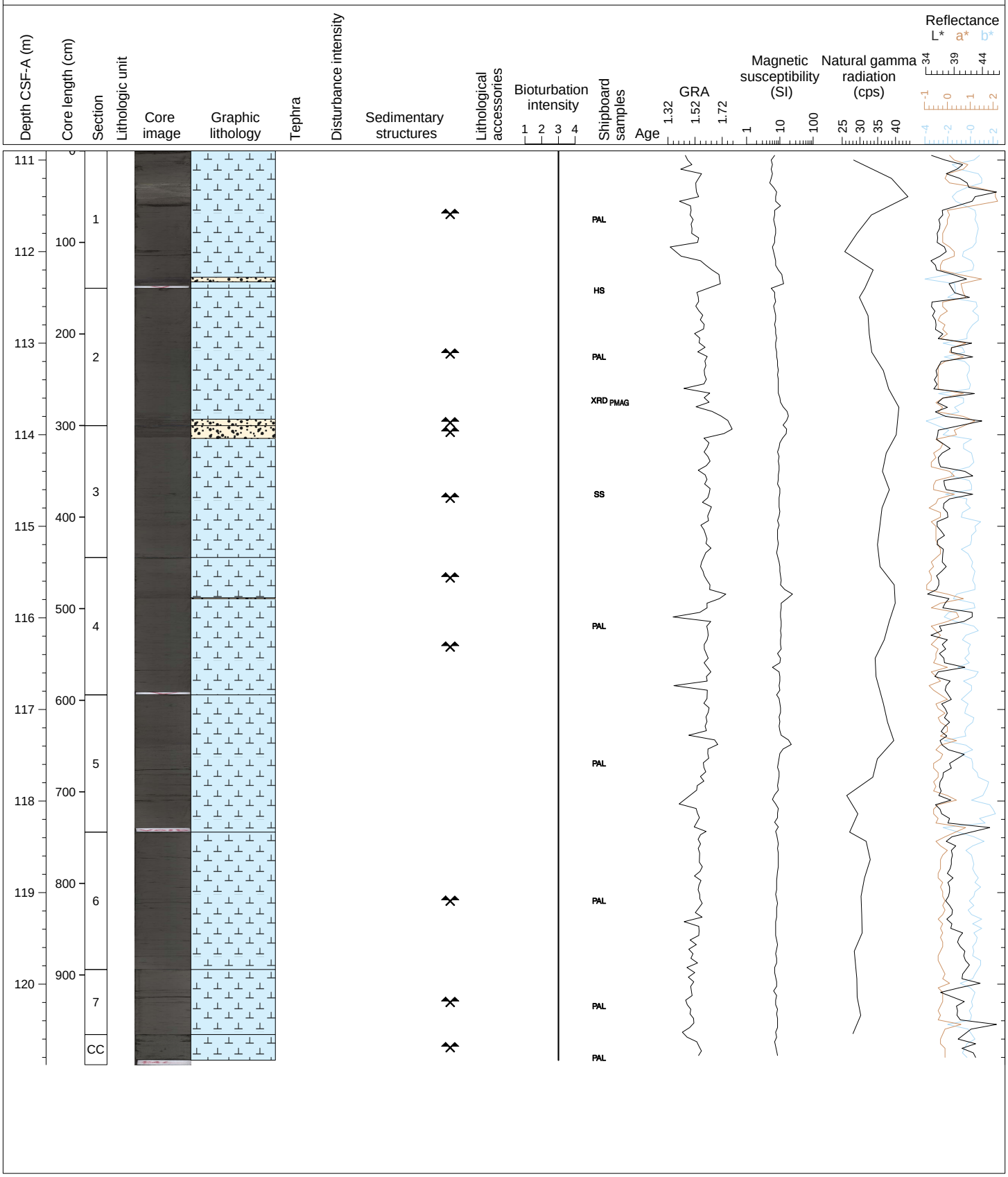
Hole 346-U1428A Core 12H, Interval 101.4-111.55 m (CSF-A)

NANNOFOSSIL OOZE WITH FORAMINIFERS, olive gray to dark gray, with rare diatoms identified in smear slides. Heavy bioturbation throughout and completely structureless except for some disturbance (cracking) from gas expansion. A thick TEPHRA (vitric) layer is found in Section 6, 20-69 cm.



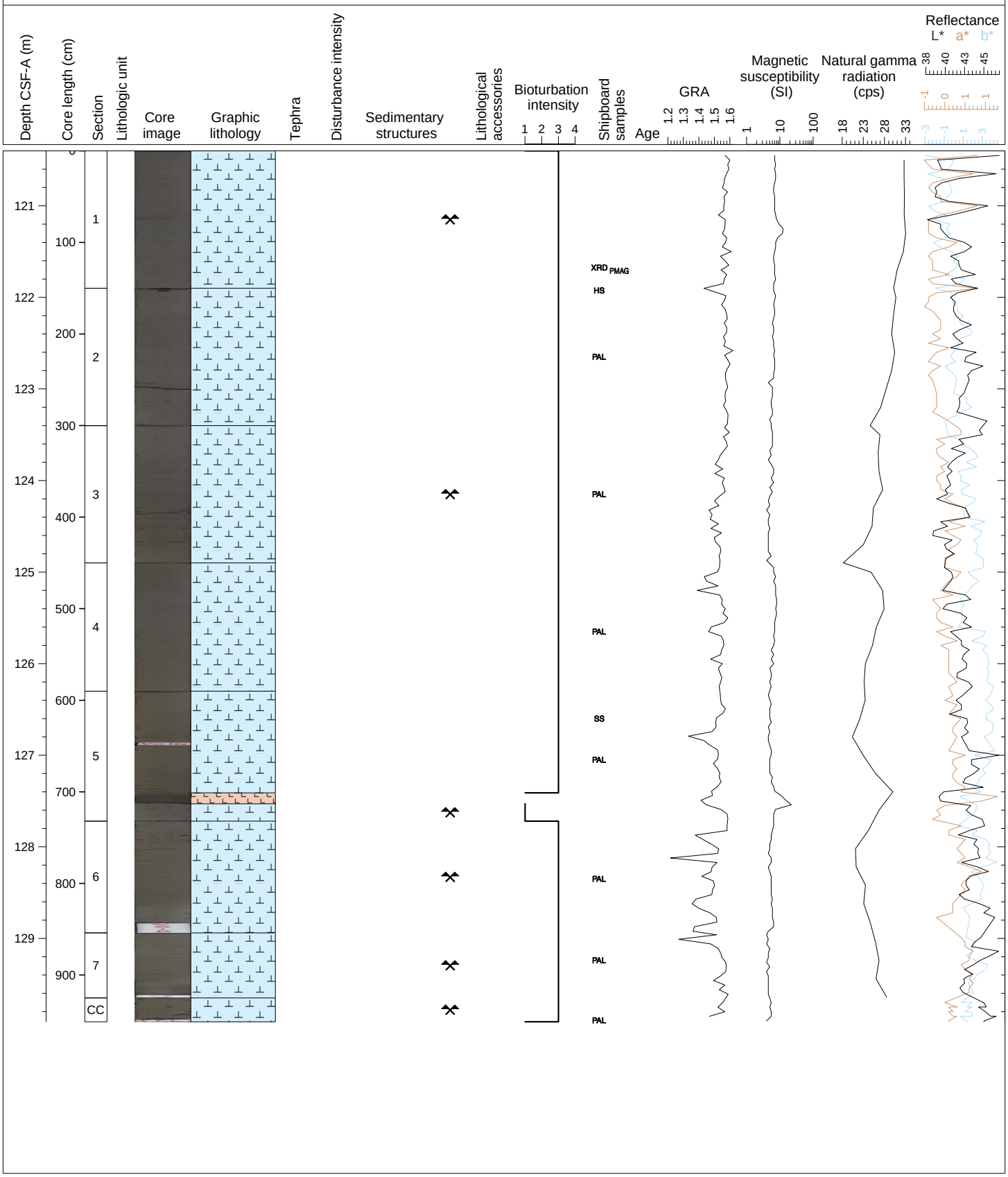
Hole 346-U1428A Core 13H, Interval 110.9-120.88 m (CSF-A)

NANNOFOSSIL OOZE WITH FORAMINIFERS, dark gray to grayish green, with rare diatoms identified in smear slides. Heavy bioturbation throughout and completely structureless except for some disturbance (cracking) from gas expansion. Several thin dark gray SILTY SAND beds occur in Sections 2, 3 and 4. Scattered hydrotroilite is present on freshly split sediment surface.



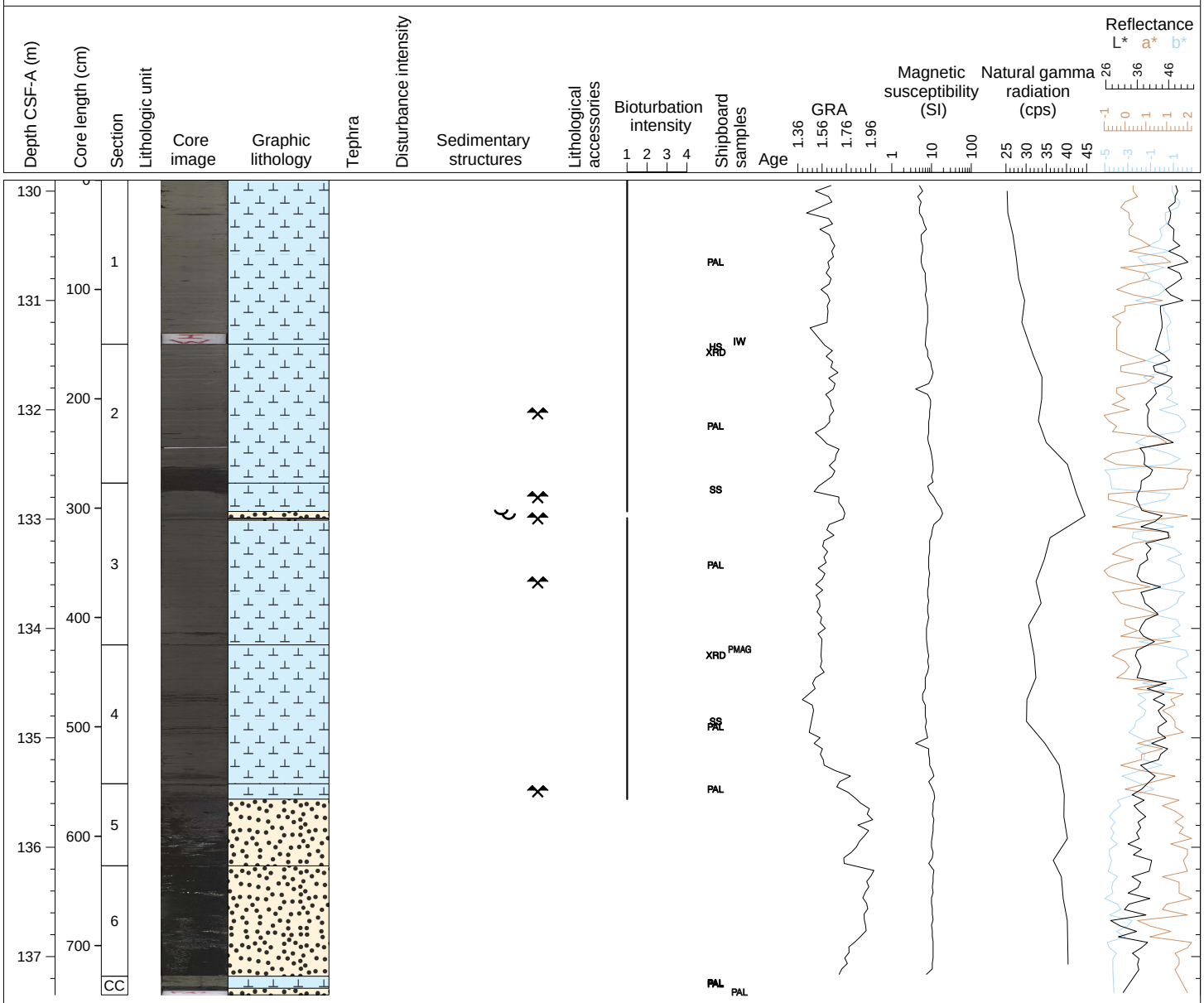
Hole 346-U1428A Core 14H, Interval 120.4-129.91 m (CSF-A)

NANNOFOSSIL OOZE WITH FORAMINIFERS (grayish green) grading into SILTY NANNOFOSSIL OOZE WITH FORAMINIFERS (gray), with heavy bioturbation throughout and largely featureless. A vitric TEPHRA layer is observed in Section 5, 111-123 cm. Scattered hydrotroilite on freshly split core surfaces.



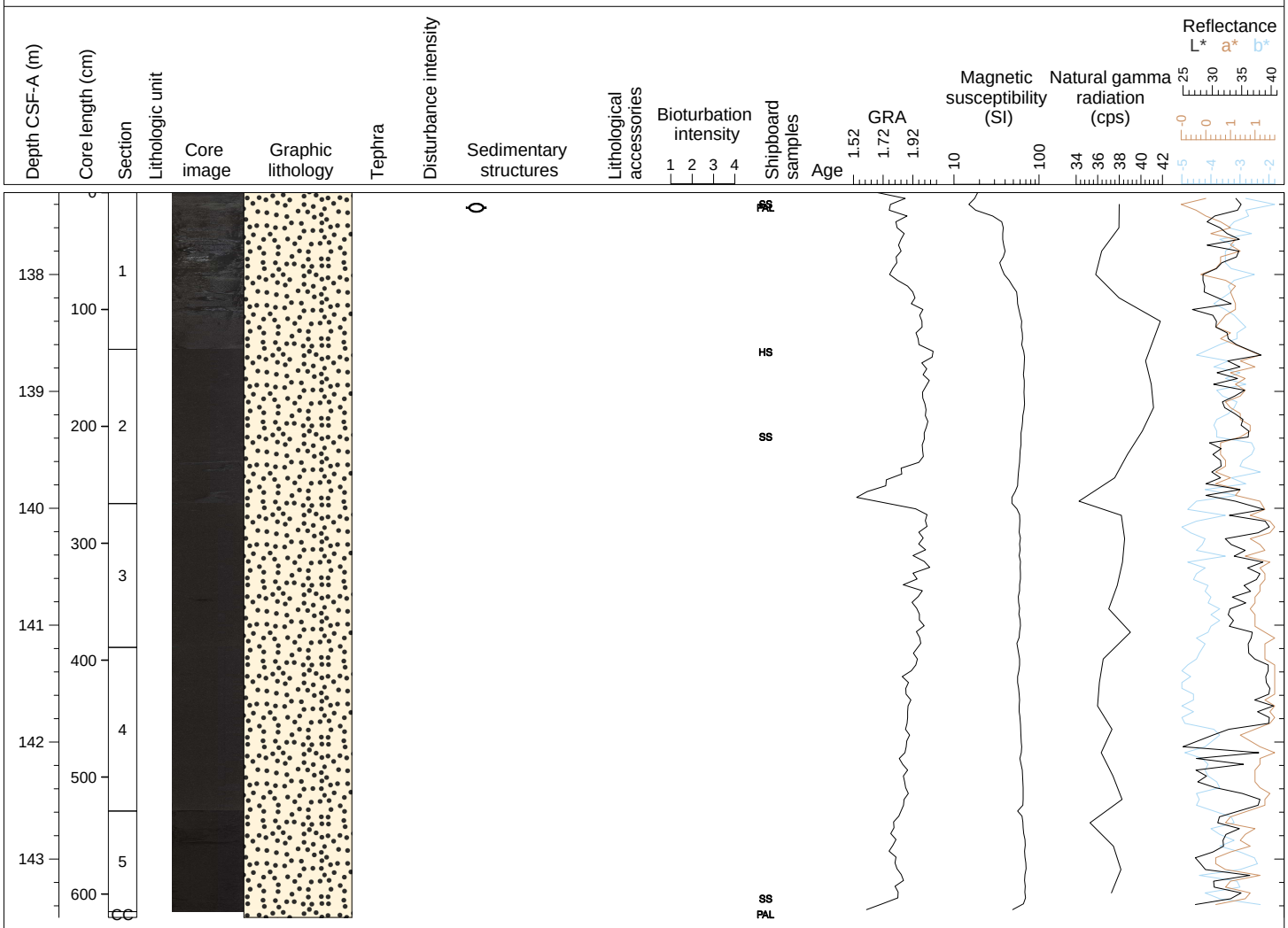
Hole 346-U1428A Core 15H, Interval 129.9-137.35 m (CSF-A)

NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH FORAMINIFERS (grayish green) with rare diatoms as identified in smear slides. Sllight to heavy bioturbation throughout. A relatively unconsolidated black SAND is found as a thin layer in Section 3 and largely filling Sections 5 and 6.



Hole 346-U1428A Core 16H, Interval 137.3-143.5 m (CSF-A)

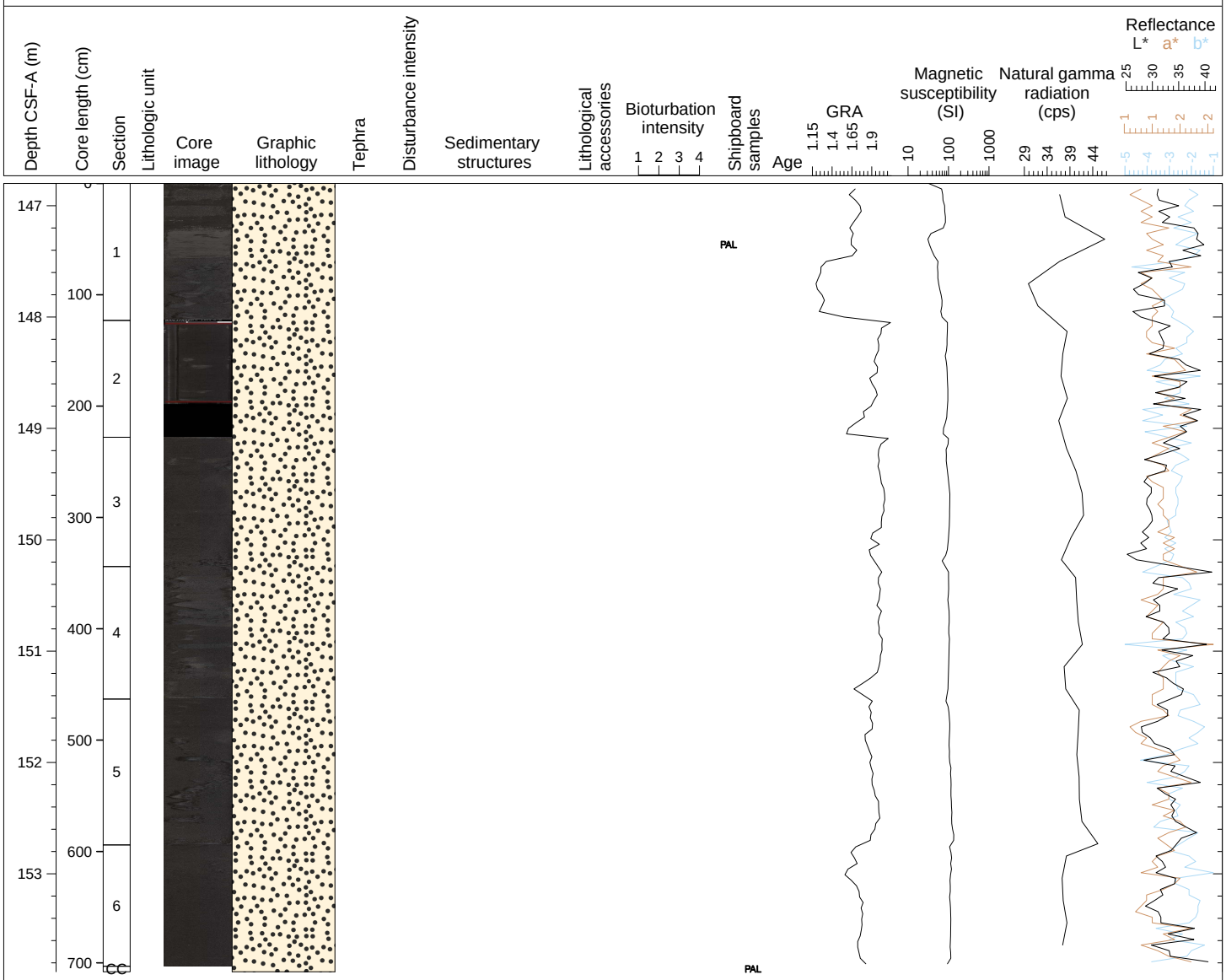
SAND (black), unconsolidated and showing evidence of suck-in from coring process.



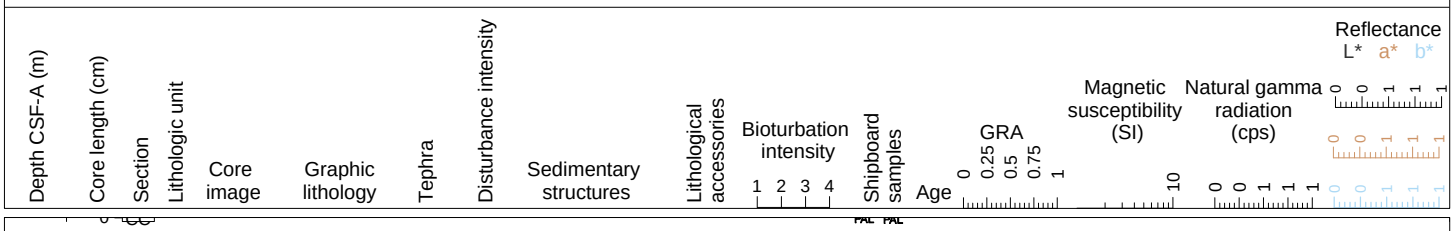
U1428A-17H NO RECOVERY

Hole 346-U1428A Core 18H, Interval 146.8-153.88 m (CSF-A)

SAND (black), unconsolidated and showing evidence of suck-in from coring process.



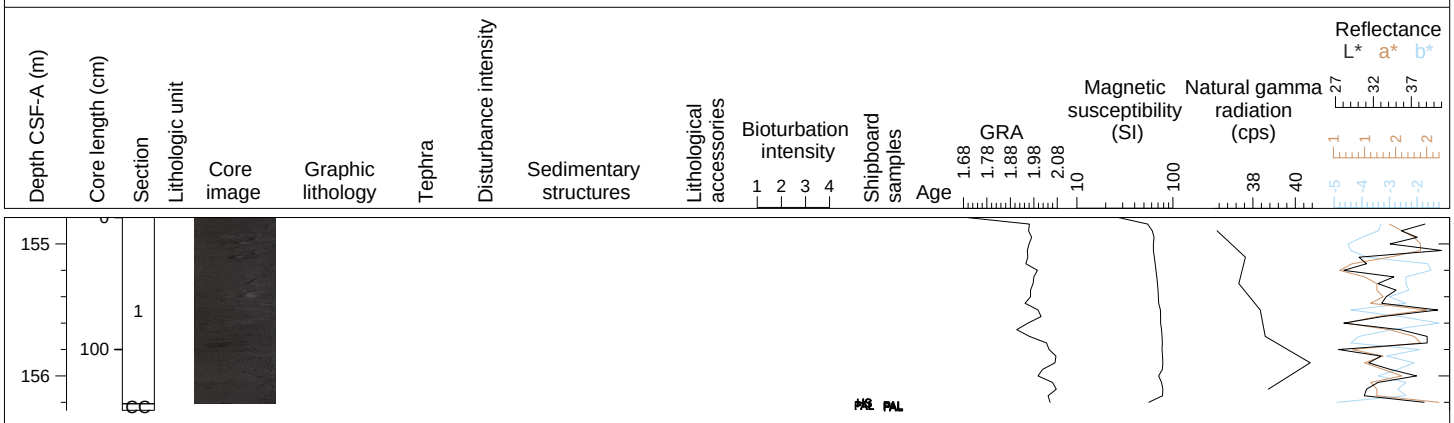
Hole 346-U1428A Core 19H, Interval 150.1-150.13 m (CSF-A)



U1428A-20H NO RECOVERY

Hole 346-U1428A Core 21H, Interval 154.8-156.26 m (CSF-A)

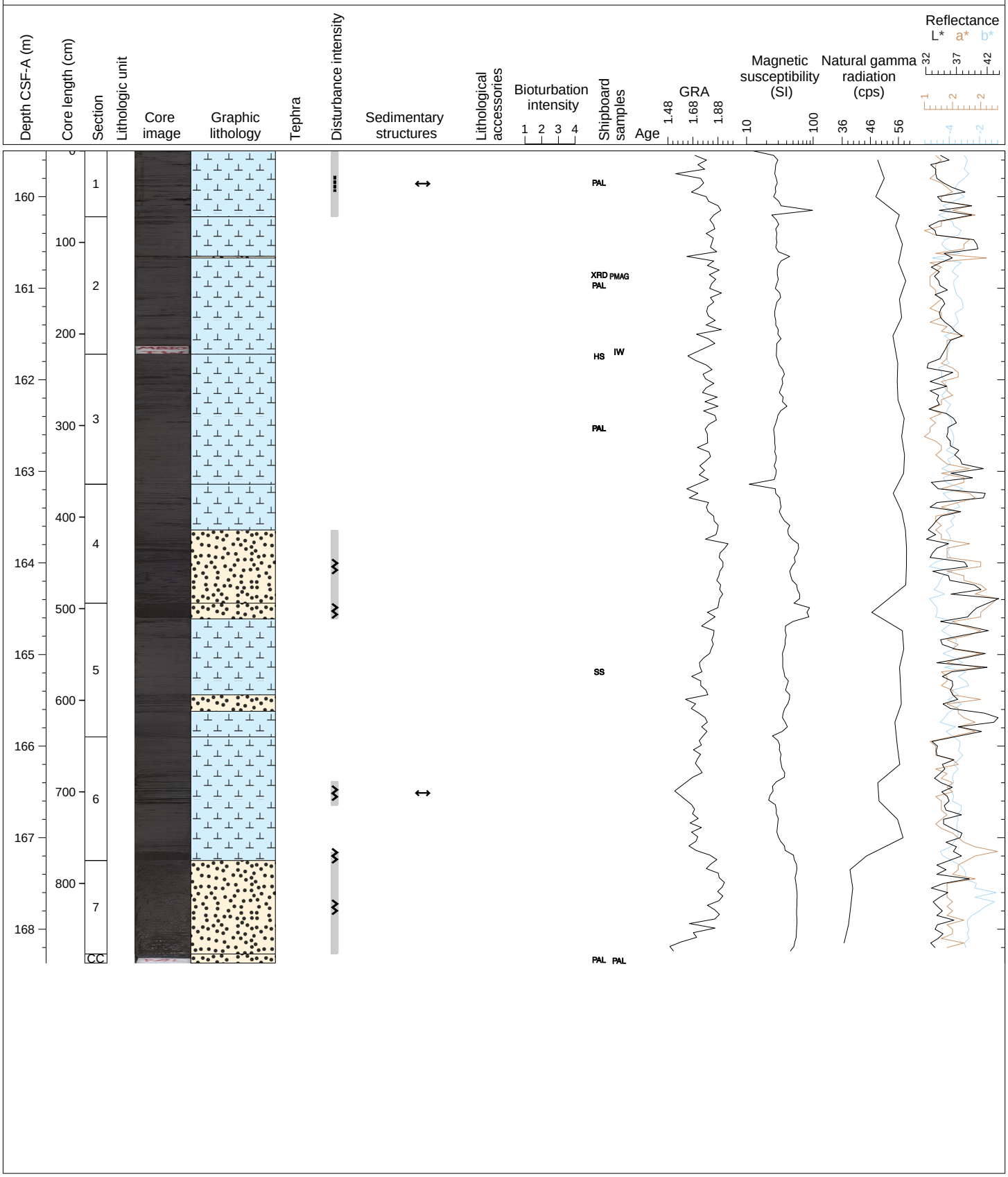
SAND (black), unconsolidated and showing evidence of suck-in from coring process.



U1428A-22H NO RECOVERY

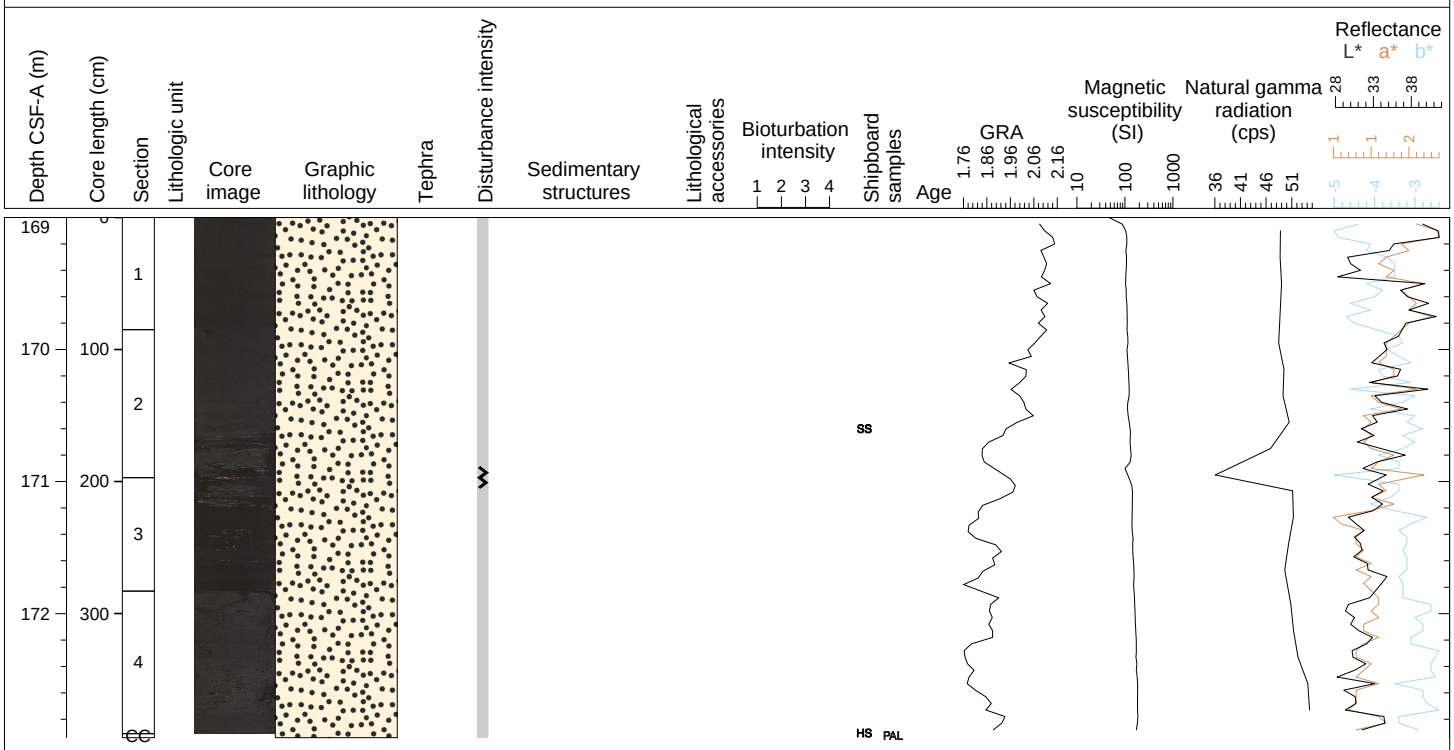
Hole 346-U1428A Core 23H, Interval 159.5-168.37 m (CSF-A)

Interbedded SILTY NANNOFOSSIL OOZE (dark gray) and SAND (black), with slump folds in Section 4. Sands are mostly unconsolidated while ooze shows disturbaance from gas expansion.



Hole 346-U1428A Core 24H, Interval 169.0-172.94 m (CSF-A)

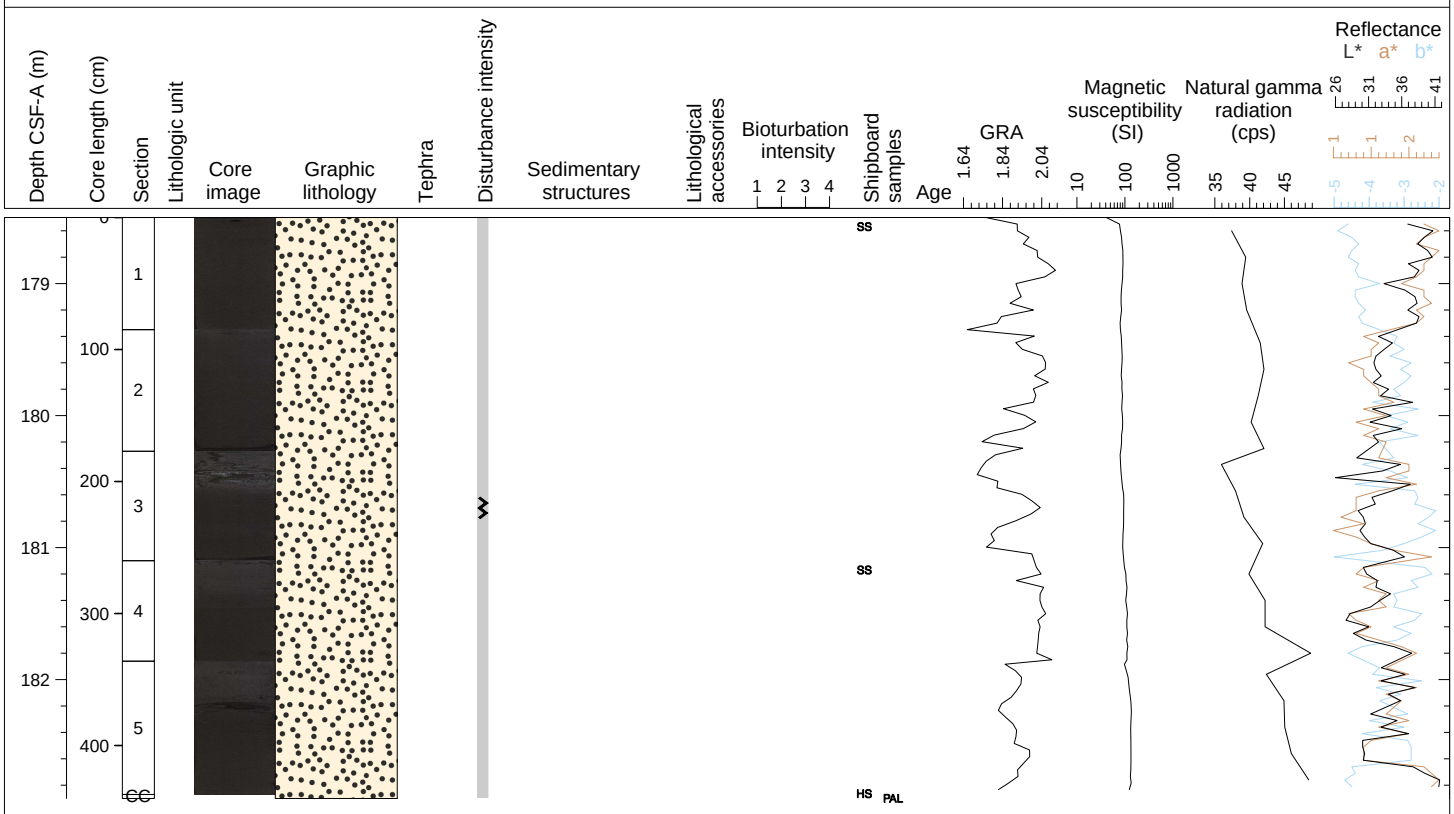
SAND (black), unconsolidated and showing evidence of suck-in from coring process.



U1428A-25H NO RECOVERY

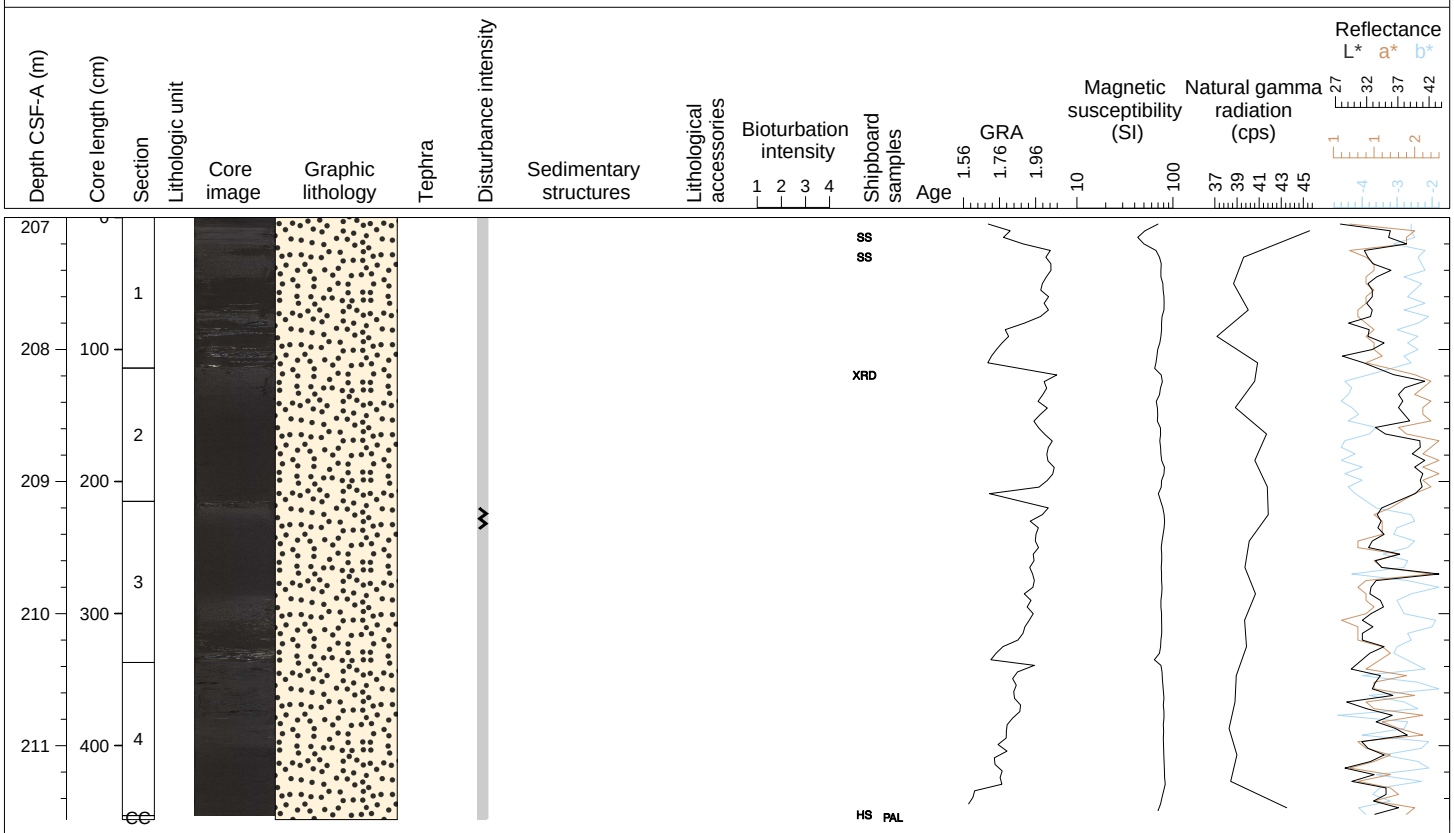
Hole 346-U1428A Core 26H, Interval 178.5-182.9 m (CSF-A)

SAND (black), unconsolidated and showing evidence of suck-in from coring process. A patch of SILTY NANNOFOSSIL OOZE is observed in Section 1.



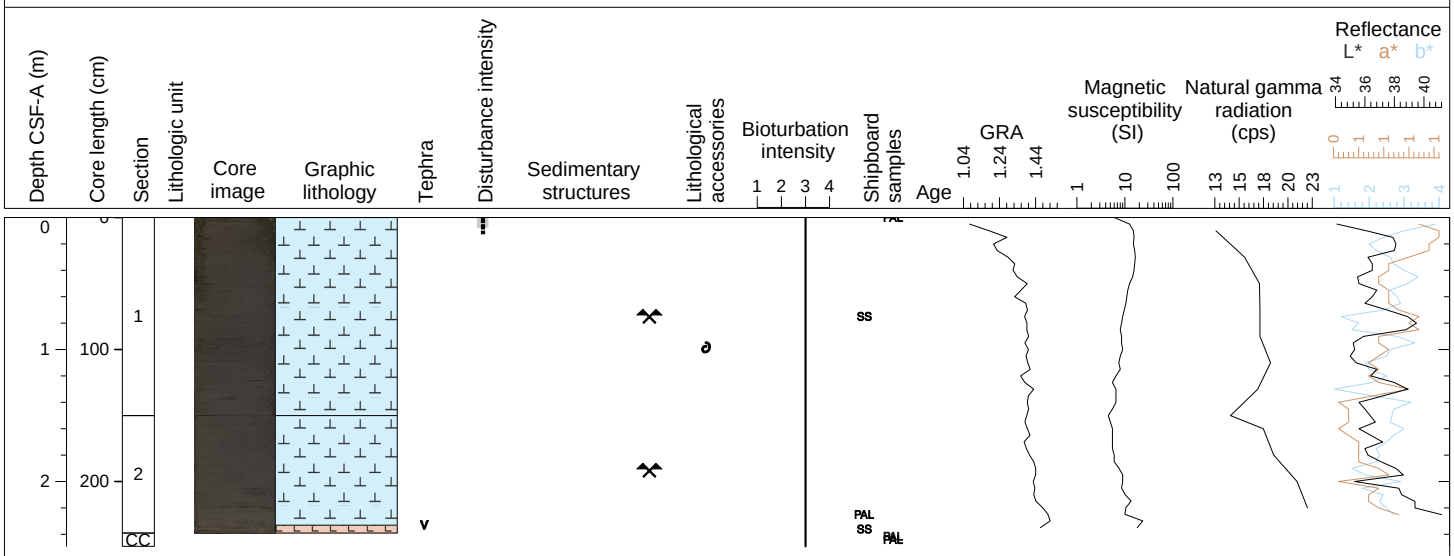
Hole 346-U1428A Core 32H, Interval 207.0-211.56 m (CSF-A)

SAND (black), unconsolidated and showing evidence of suck-in from coring process.



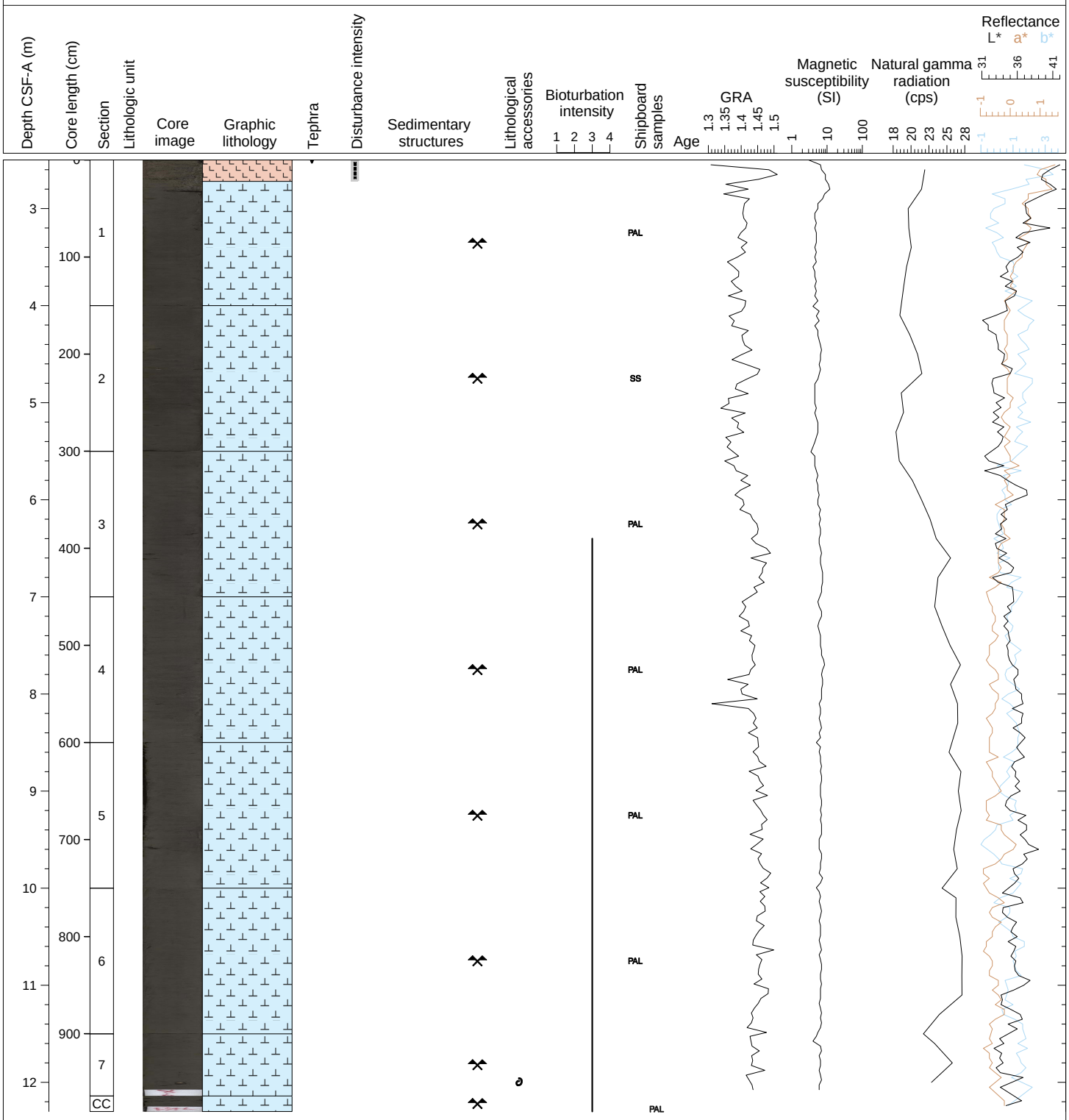
Hole 346-U1428B Core 1H, Interval 0.0-2.49 m (CSF-A)

NANNOFOSSIL OOZE AND VOLCANIC GLASS-BEARING NANNOFOSSIL OOZE, dark greenish gray, bioturbated throughout. Gray TEPHRA (vitric) layer at base of Section 2, 83-89 cm.



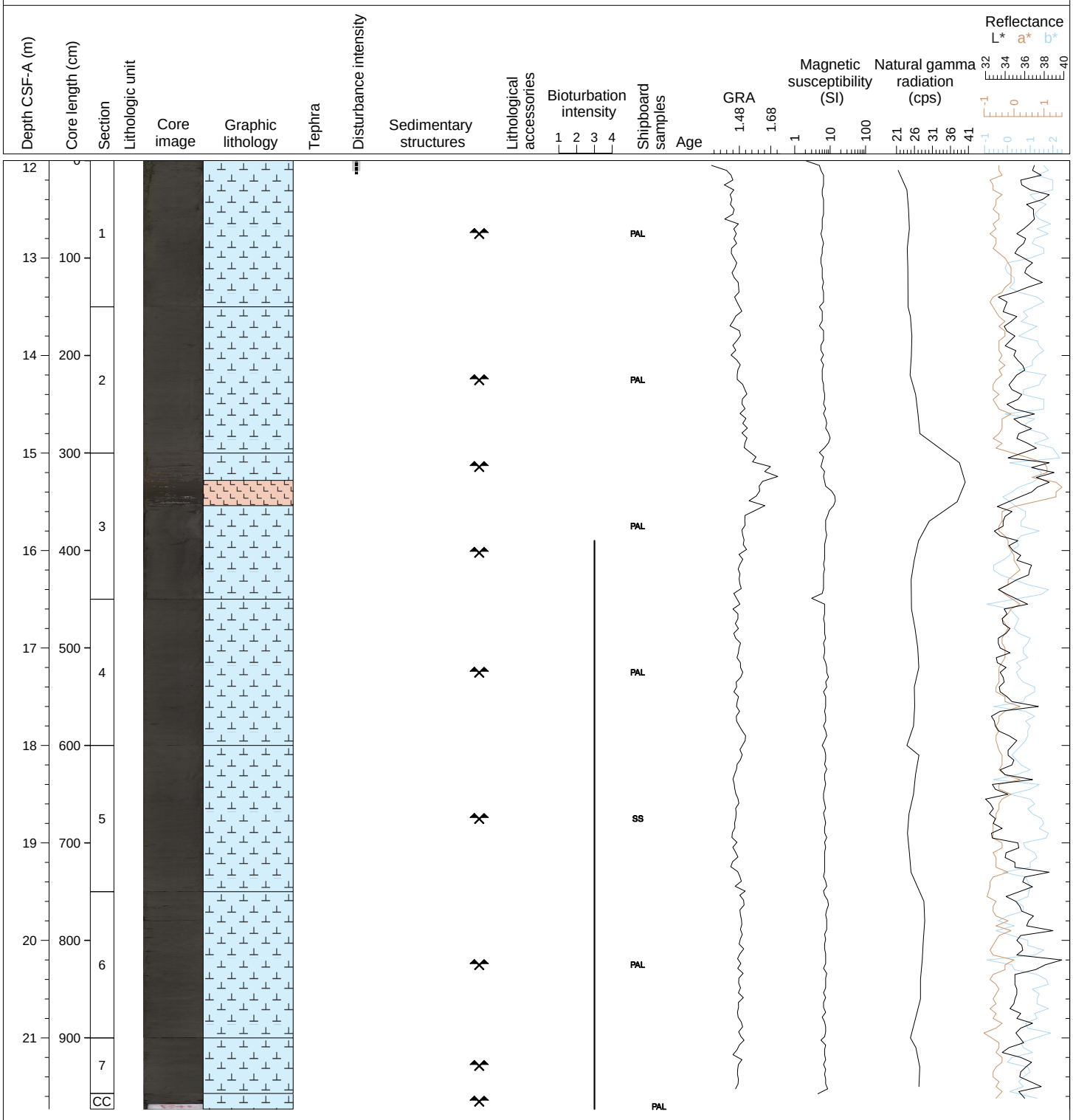
Hole 346-U1428B Core 2H, Interval 2.5-12.3 m (CSF-A)

DIATOM-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH VOLCANIC ASH (dark greenish gray) underlying a gray vitric TEPHRA in Section 1, 0-22 cm, that is a continuation of the tephra in the core above. Core is moderately to heavily bioturbated throughout. Intact gastropod shell found in Section 7, 49-50 cm.



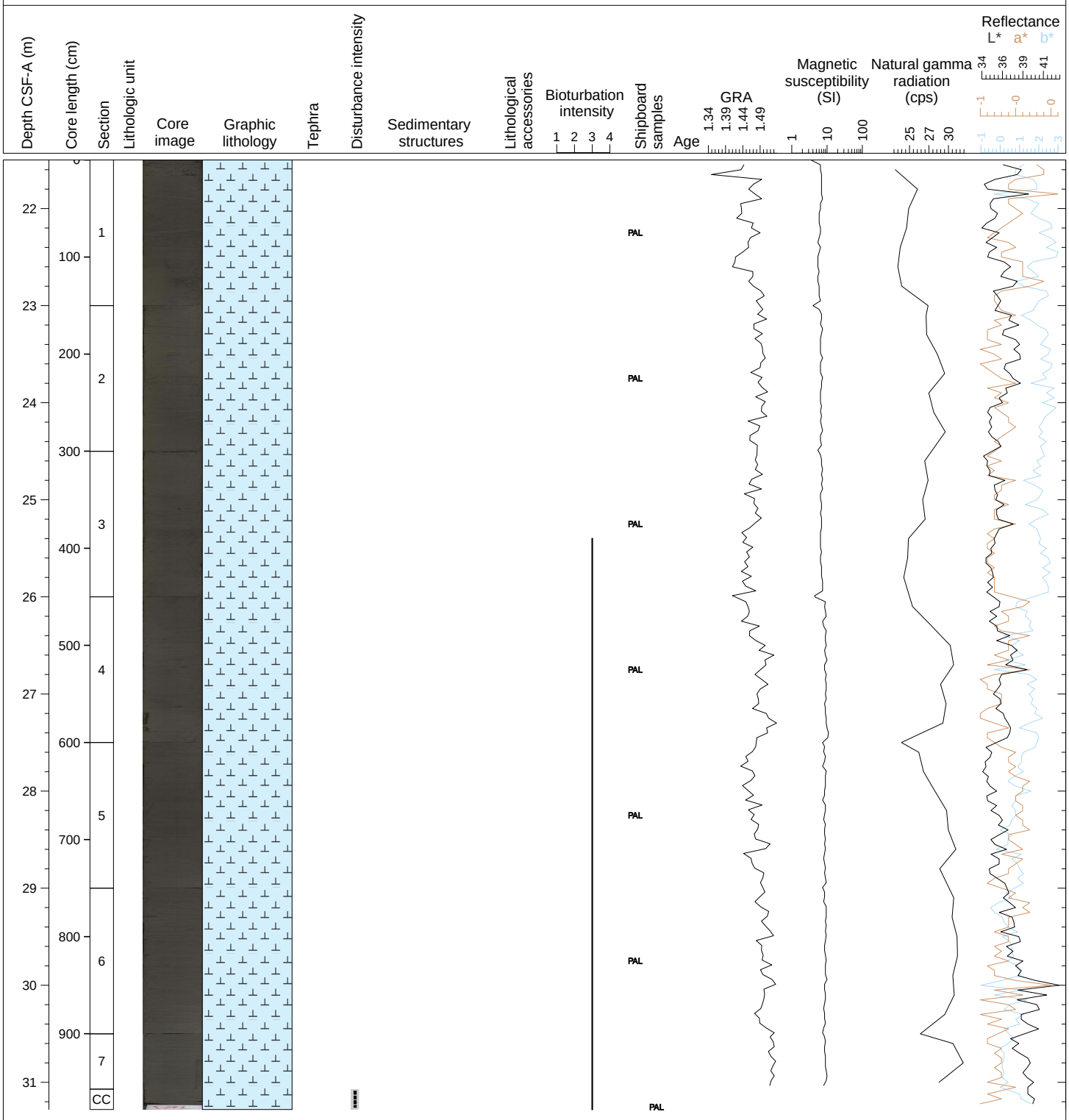
Hole 346-U1428B Core 3H, Interval 12.0-21.73 m (CSF-A)

DIATOM-BEARING NANNOFOSSIL OOZE (dark greenish gray), with heavy bioturbation. A 26-cm thick gray vitric TEPHRA layer occurs in Section 3, 28-54 cm, with the overlying 28 cm containing a bioturbated mixture of ash and nannofossil ooze. Slight to moderate core disturbance at the top of Section 1 and in the CC.



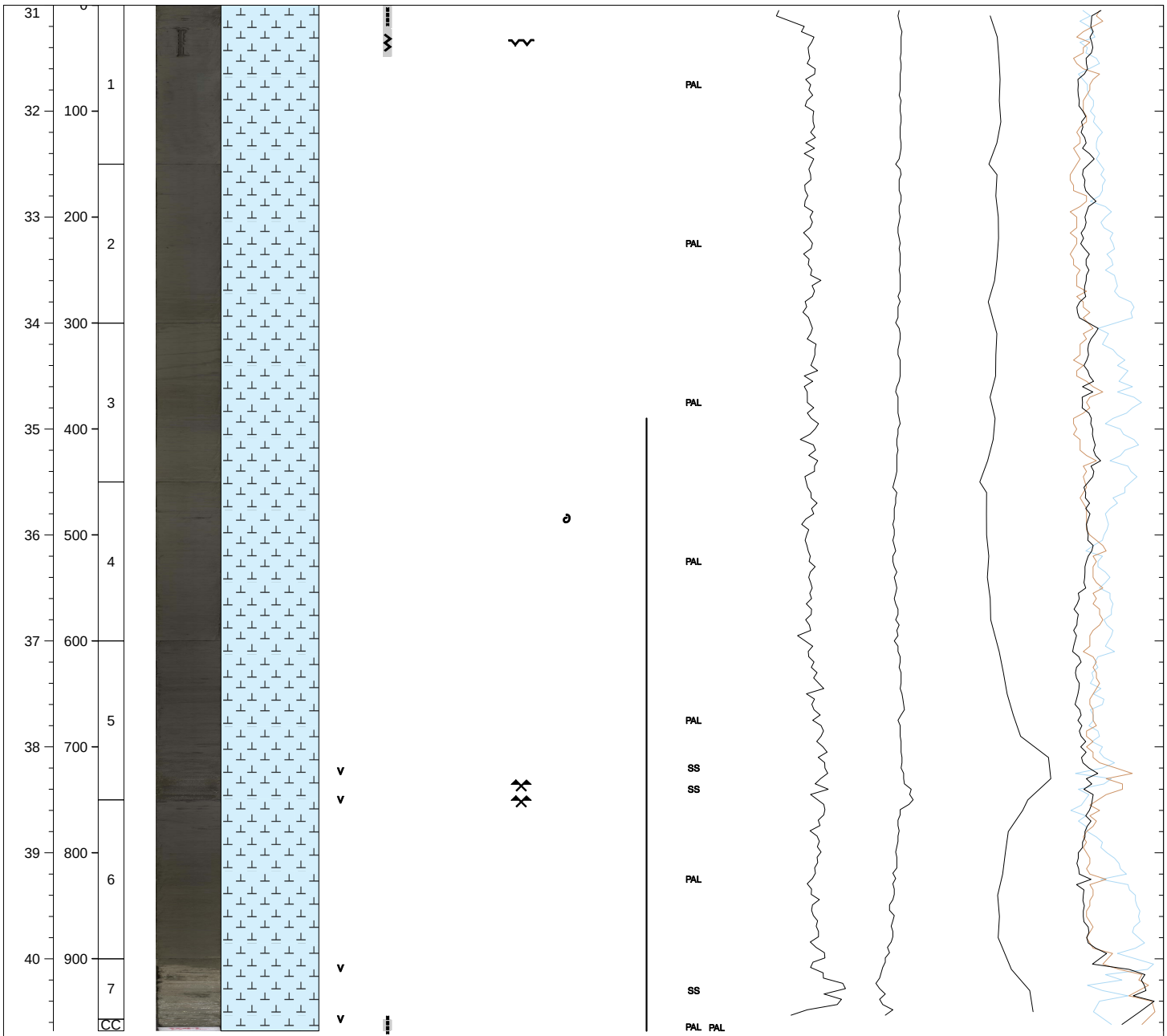
Hole 346-U1428B Core 4H, Interval 21.5-31.28 m (CSF-A)

DIATOM-BEARING NANNOFOSSIL OOZE (dark greenish gray), heavily bioturbated and without visible structures.



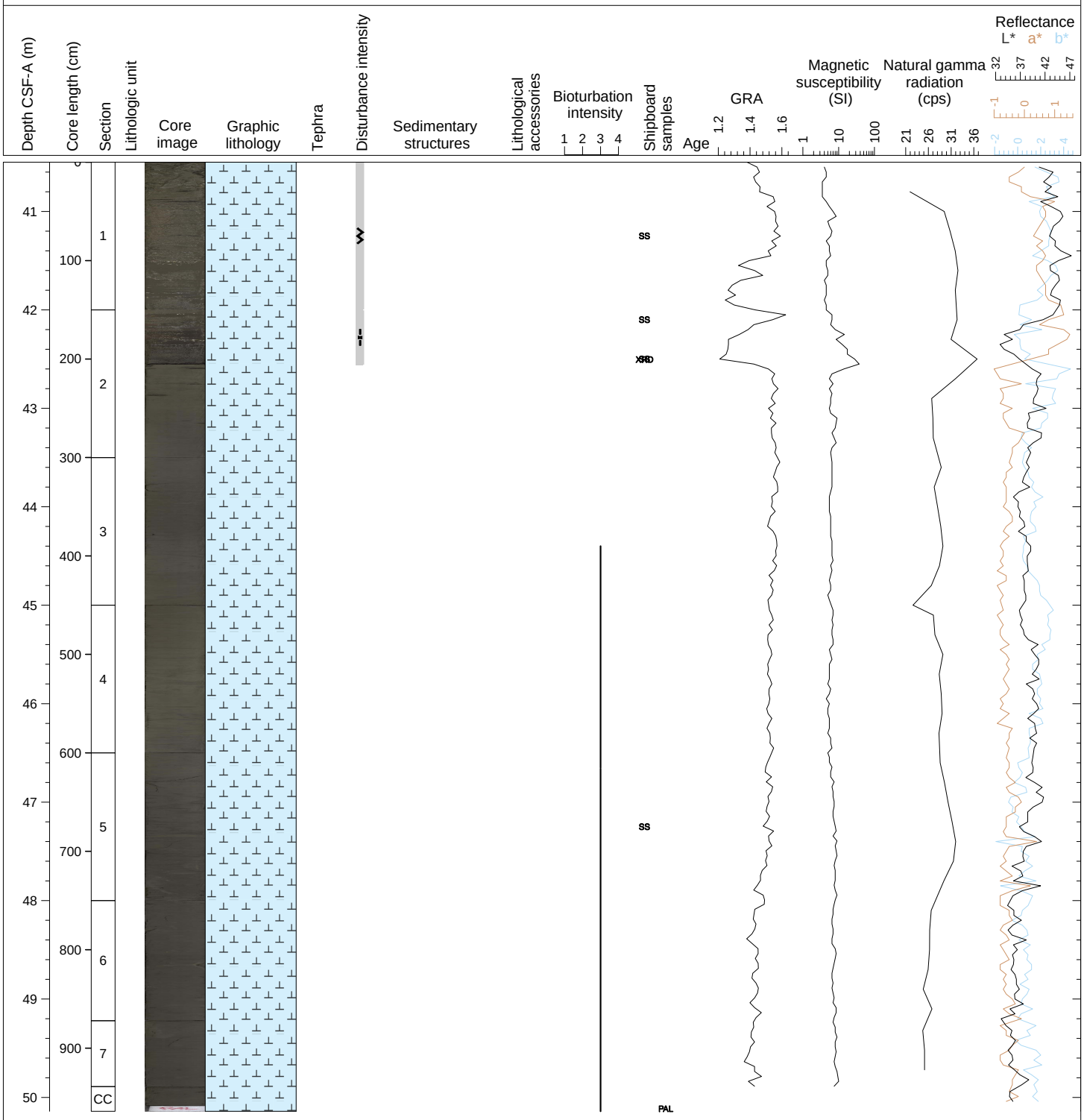
Hole 346-U1428B Core 5H, Interval 31.0-40.68 m (CSF-A)

VOLCANIC GLASS-BEARING NANNOFOSSIL OOZE WITH SILT (dark greenish gray), heavily bioturbated throughout. A 30-cm thick gray vitric SANDY TEPHRA layer spans the last 27 cm of Section 5 and extends into the top of Section 6. A 59-cm thick TEPHRA layer (vitric type) in Section 7 extends into the core catcher. Moderate disturbance in the top of Section 1 caused by a shell dragged by the splitting wire. Echinoderm fragments are found in Section 4, 34-35 cm.



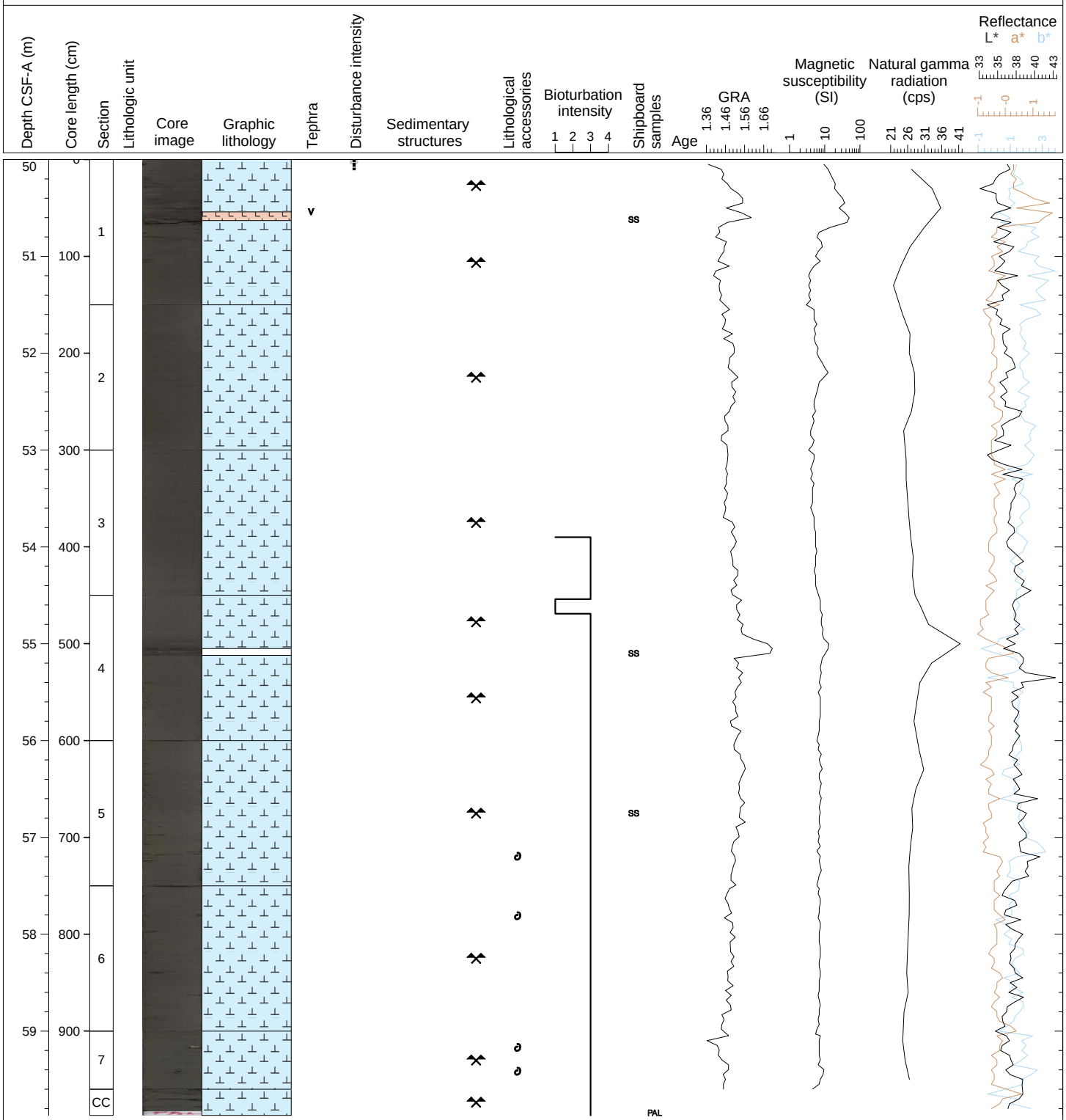
Hole 346-U1428B Core 6H, Interval 40.5-50.14 m (CSF-A)

DIATOM-BEARING NANNOFOSSIL OOZE (dark greenish gray) and NANNOFOSSIL-BEARING TEPHRA (greenish gray). The latter occurs as a thick layer starting from the top of Section 1 to Section 2, 56 cm. The tephra is moderately disturbed and shows normal grading at the base. The remainder of the core is heavily bioturbated and largely featureless.



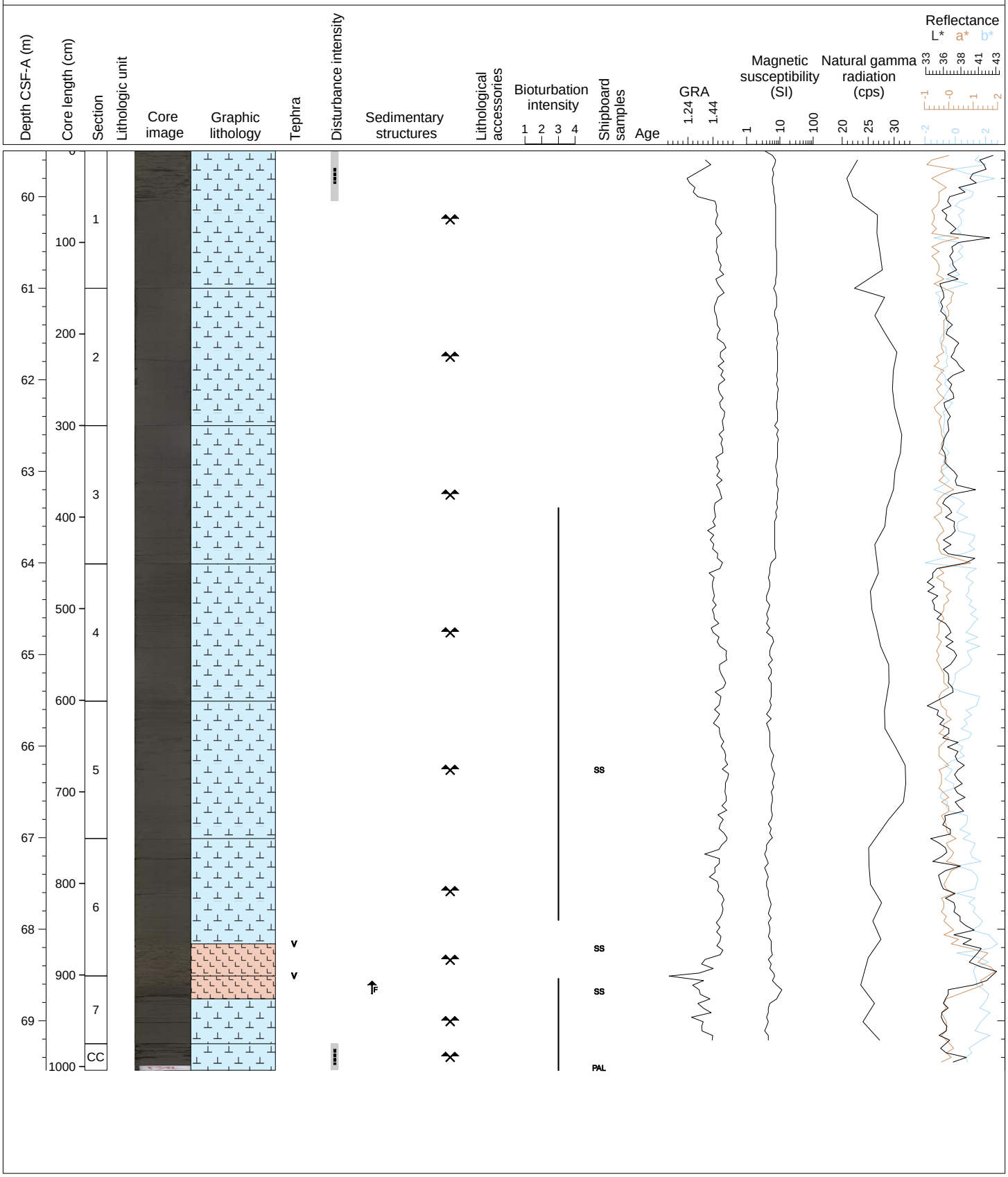
Hole 346-U1428B Core 7H, Interval 50.0-59.87 m (CSF-A)

Dominantly DIATOM-BEARING NANNOFOSSIL OOZE WITH SILT (dark greenish gray), with heavy bioturbation and presence of burrows. A NANNOFOSSIL-RICH SAND (gray) in Section 4, 55-62 cm, shows normal grading and is likely displaced. A dark gray vitric TEPHRA is found in Section 1, 54-63 cm.



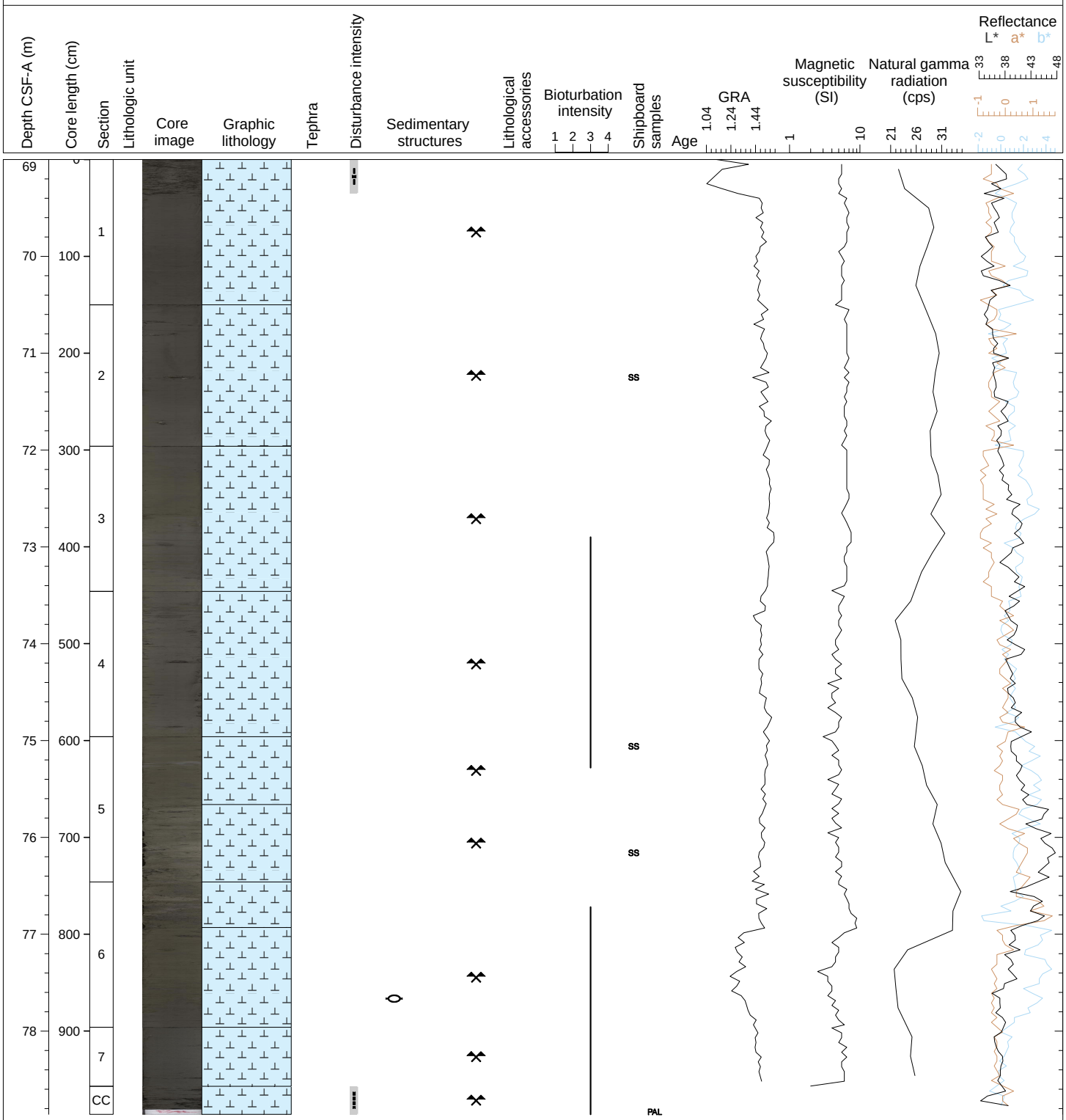
Hole 346-U1428B Core 8H, Interval 59.5-69.54 m (CSF-A)

NANNOFOSSIL OOZE WITH SILT (dark greenish gray), showing evidence of heavy bioturbation. A thick gray vitric SANDY TEPHRA spans the interval from Section 6, 115 cm, to Section 7, 25 cm, with coarsening and normal grading towards the bottom of the layer (Section 7). Slight to moderate drilling disturbance causes a mousse-like core at the top of Section 1.



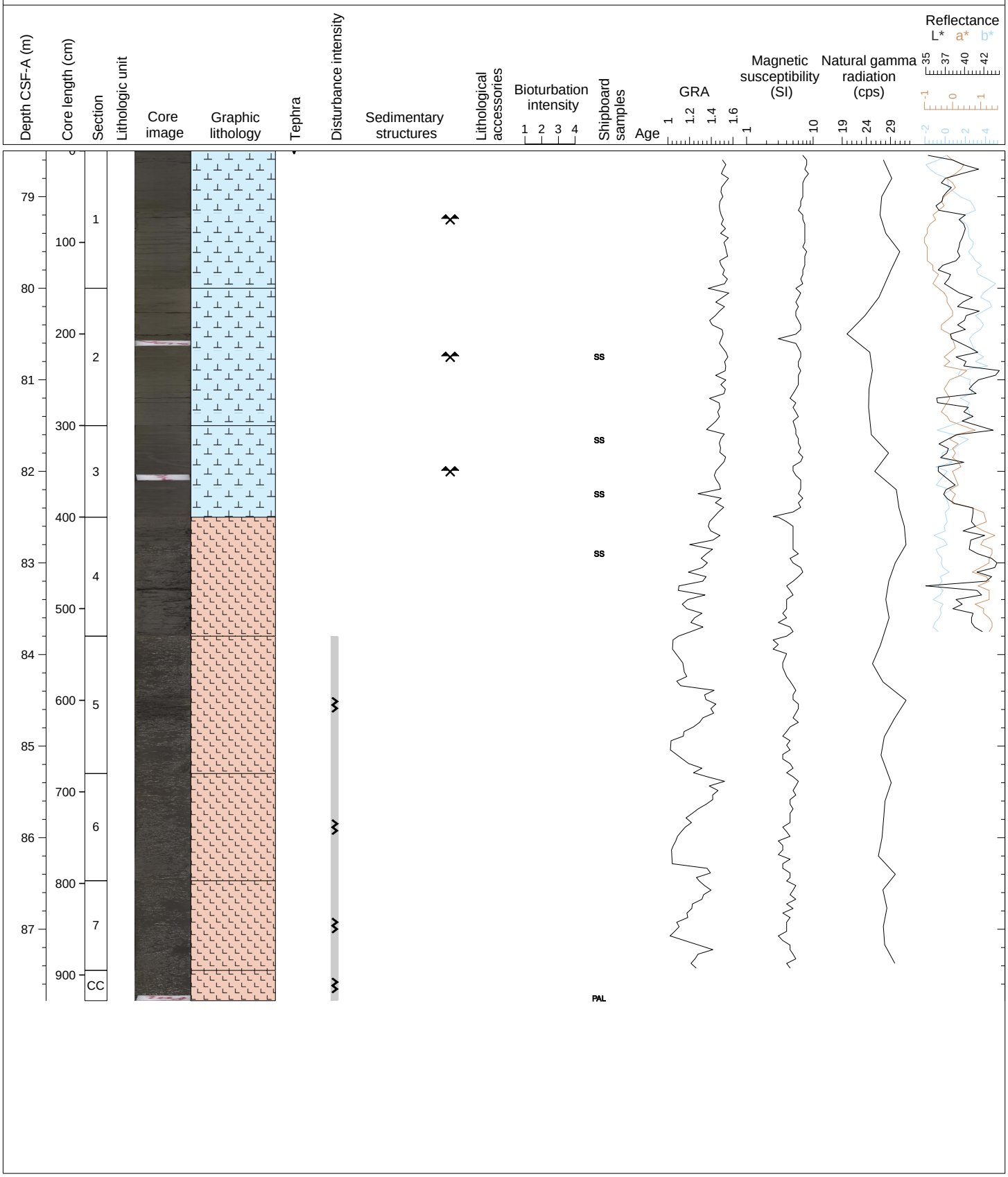
Hole 346-U1428B Core 9H, Interval 69.0-78.86 m (CSF-A)

NANNOFOSSIL OOZE WITH DIATOMS interbedded with NANNOFOSSIL OOZE WITH VOLCANIC ASH (dark greenish gray), heavily bioturbated throughout. A large amount of vitric ash is dispersed over Sections 5 and 6, with some pumice in Section 5. Moderate drilling disturbance at the top of Section 1.



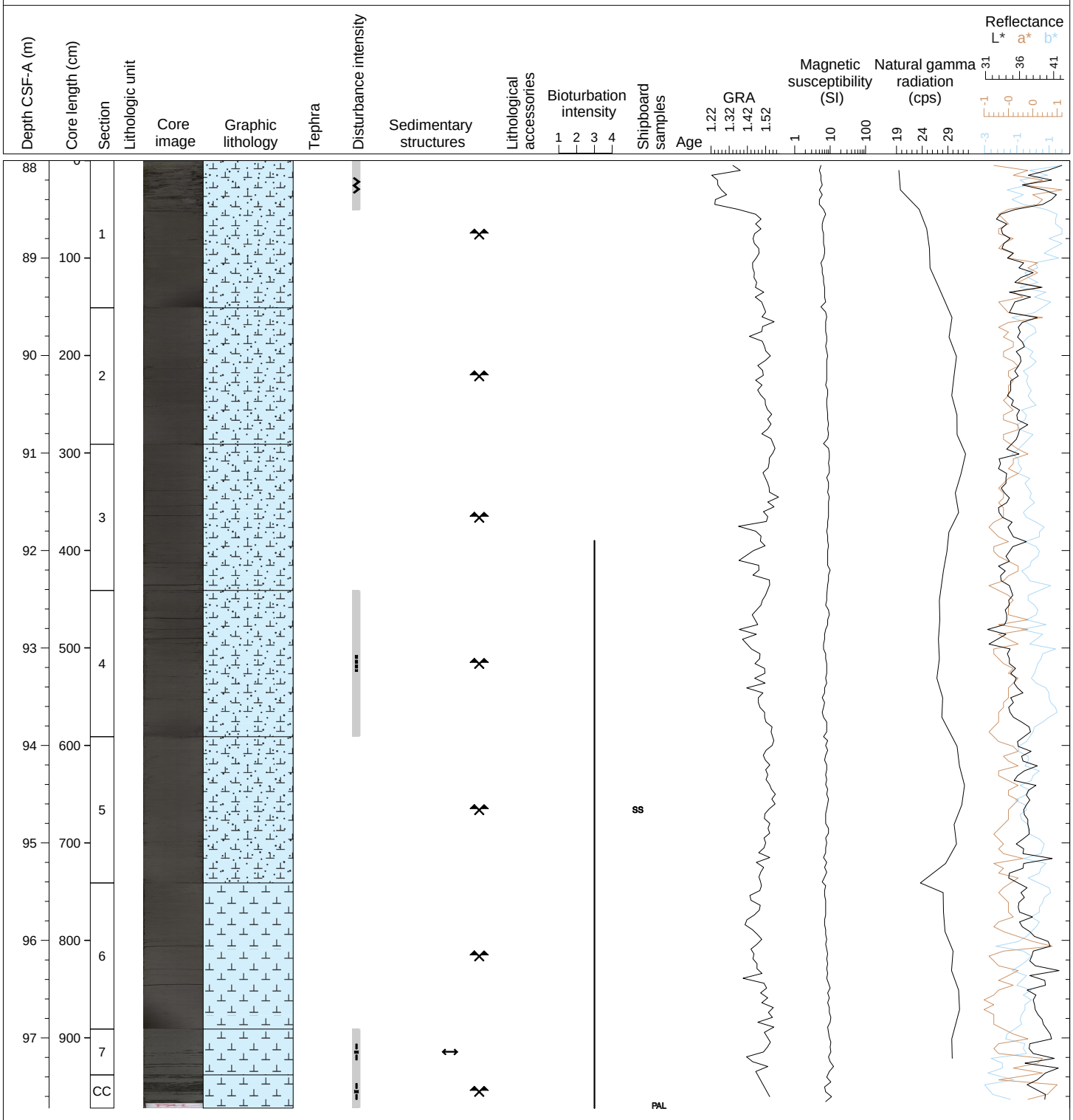
Hole 346-U1428B Core 10H, Interval 78.5-87.78 m (CSF-A)

NANNOFOSSIL OOZE WITH VOLCANIC ASH, dark greenish gray and heavily bioturbated, underlain by a soupy SANDY TEPHRA (vitric, dark gray) starting from the top of Section 4 that shows evidence of flow-in.



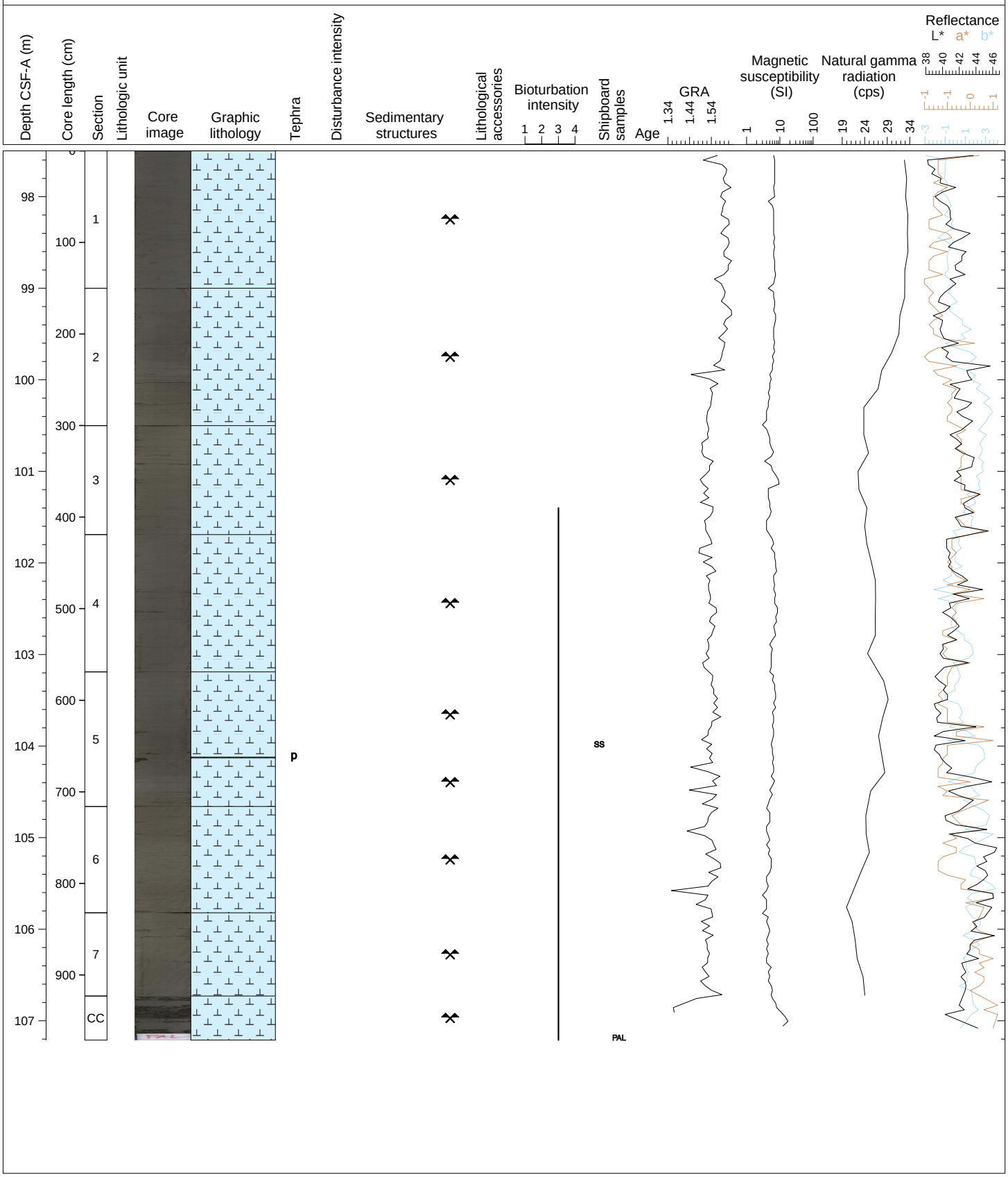
Hole 346-U1428B Core 11H, Interval 88.0-97.72 m (CSF-A)

SILTY NANNOFOSSIL OOZE WITH DIATOMS (dark greenish gray) grading downward into NANNOFOSSIL OOZE WITH DIATOMS (greenish gray) beginning in Section 6. Heavy bioturbation and distinct burrows are observed. Moderate to high drilling disturbance caused by gas expansion and a mousselike consistency in the upper 50 cm of Section 1.



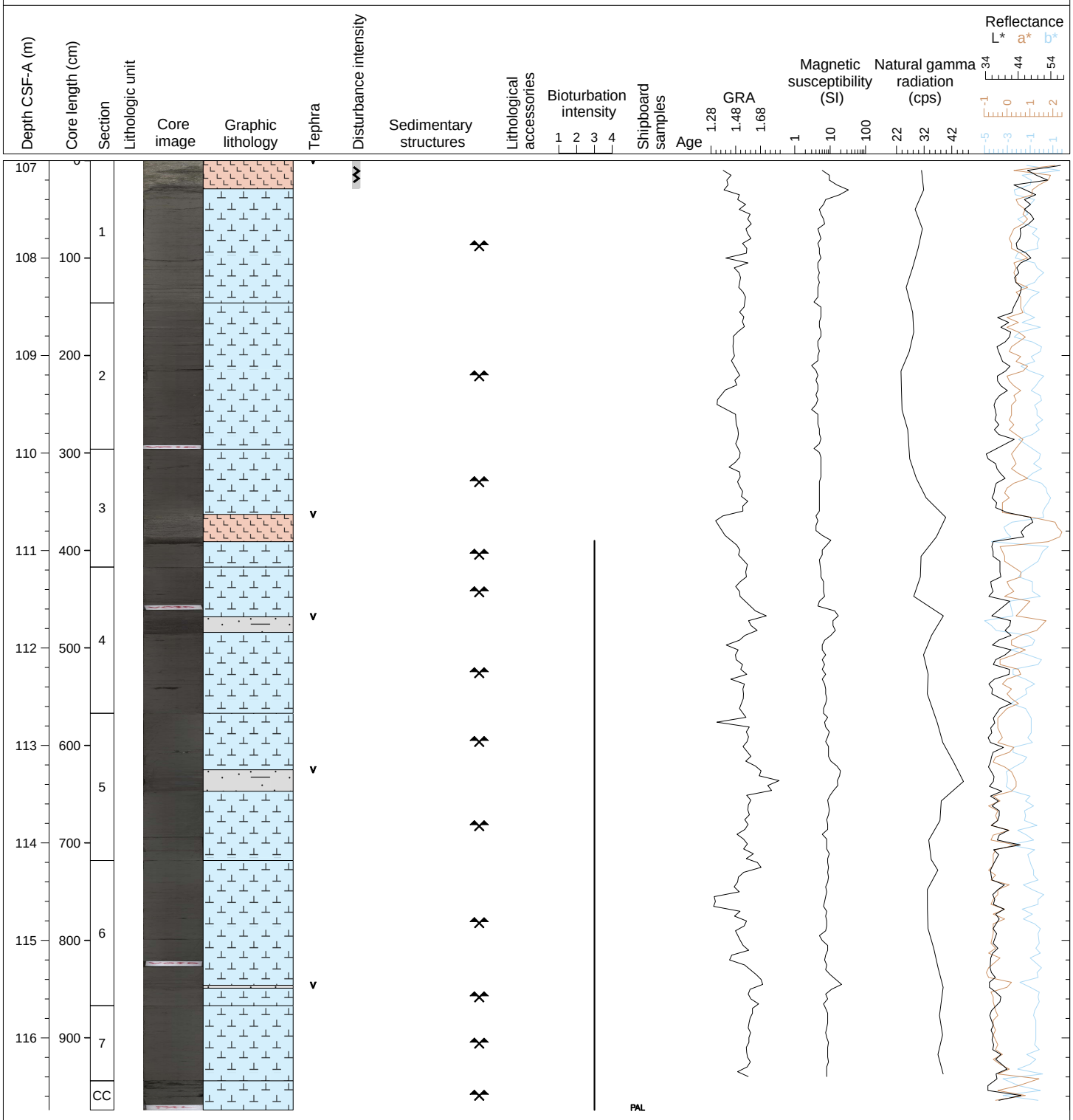
Hole 346-U1428B Core 12H, Interval 97.5-107.21 m (CSF-A)

NANNOFOSSIL OOZE WITH DIATOMS (greenish gray), with heavy bioturbation and distinct burrows. A thin TEPHRA layer comprised of pumice fragments is present in Section 5, 93-94 cm.



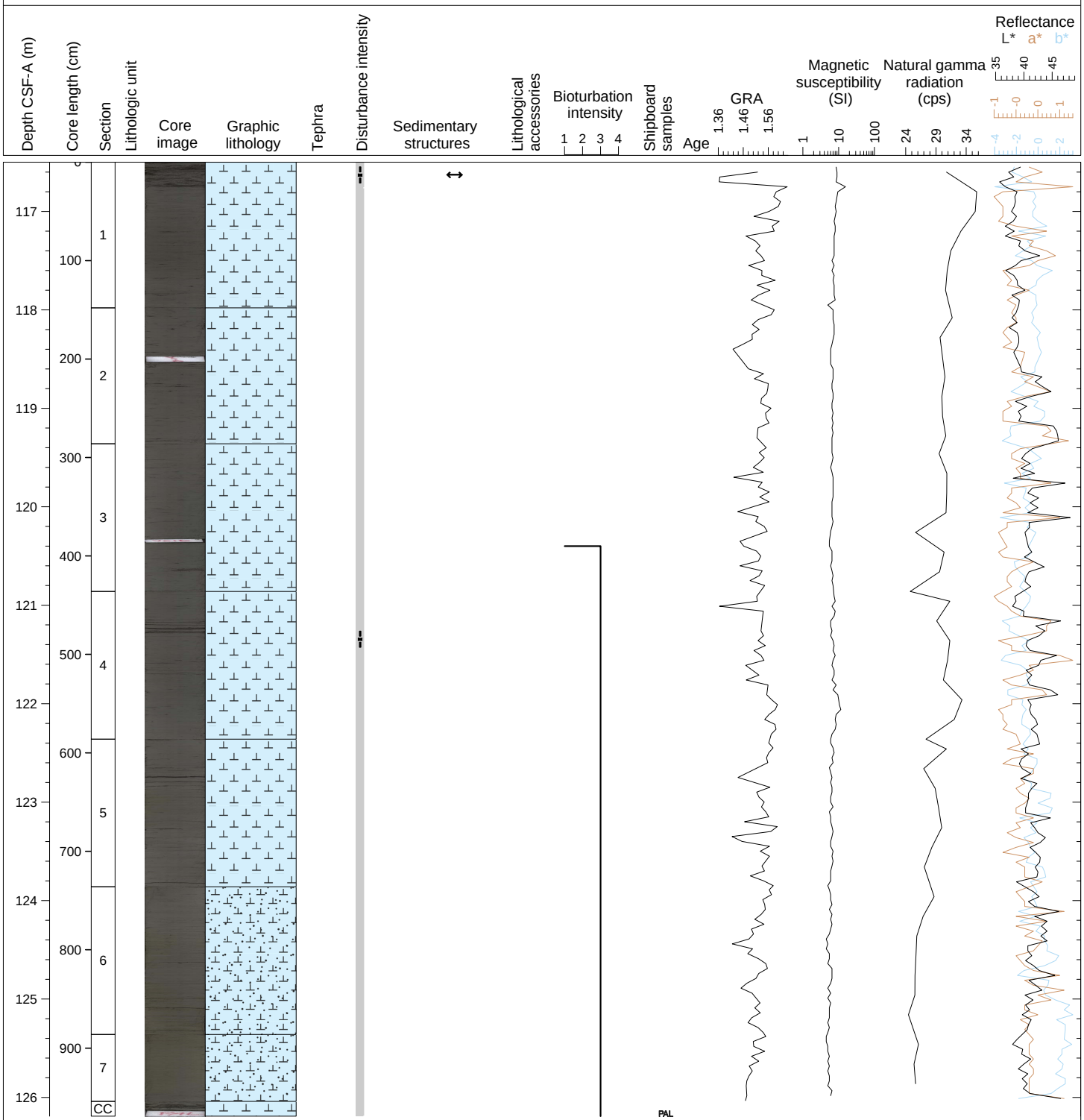
Hole 346-U1428B Core 13H, Interval 107.0-116.74 m (CSF-A)

NANNOFOSSIL OOZE WITH DIATOMS (greenish gray), showing evidence of heavy bioturbation and distinct burrows. Two vitric TEPHRA layers are present in Section 1, 0-29 cm, and Section 3, 67-95 cm, with both showing normal grading. Thin SANDY CLAY layers (dark gray) that show clear bedding are present in Sections 4, 5 and 6. Scattered shell fragments and hydrotroilite are observed at various locations on the split sediment surface.



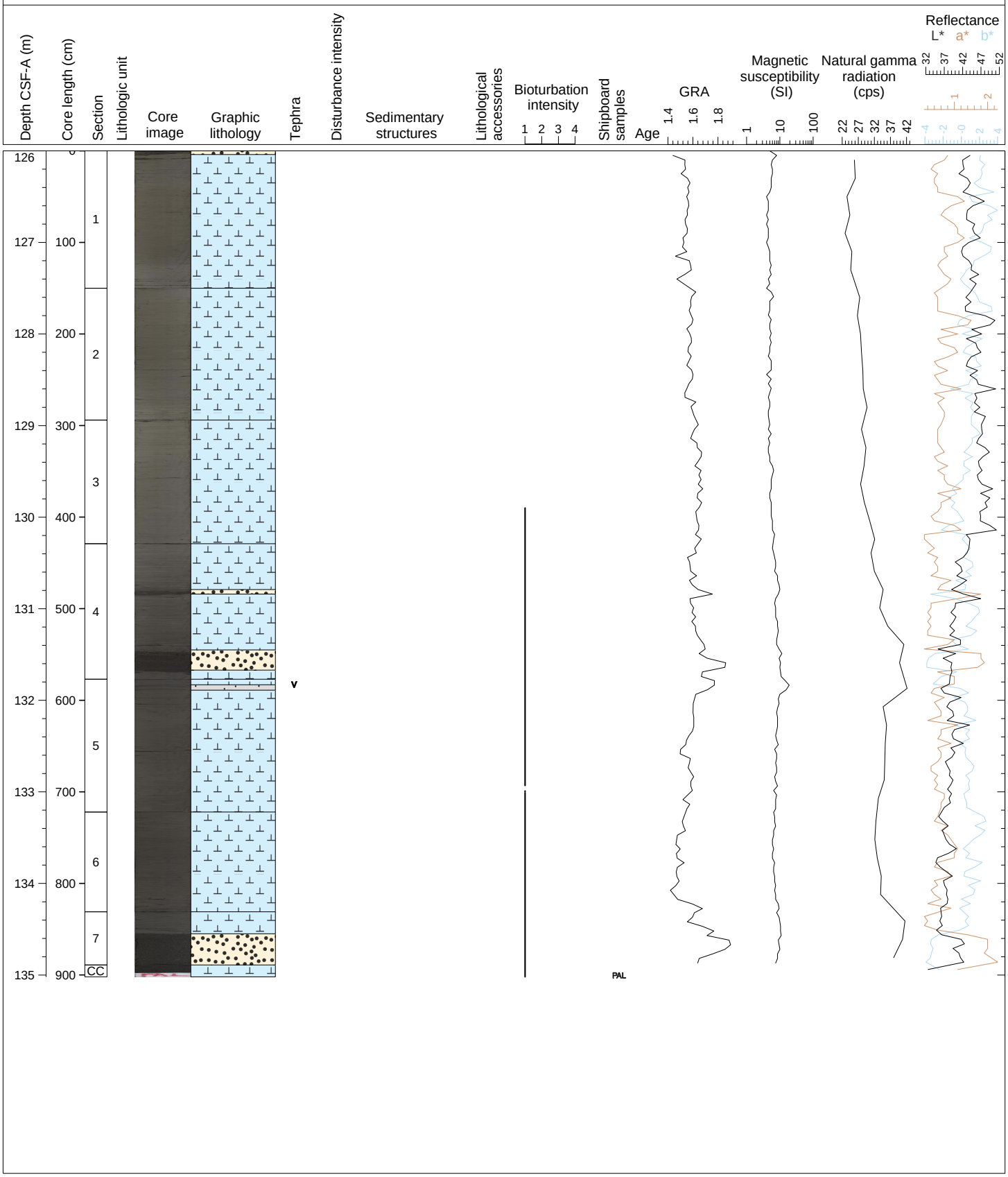
Hole 346-U1428B Core 14H, Interval 116.5-126.19 m (CSF-A)

NANNOFOSSIL OOZE WITH DIATOMS (greenish gray) grading into SILTY NANNOFOSSIL OOZE WITH DIATOMS in Sections 6 and 7. Scattered shell fragments and hydrotroilite are observed on the split sediment surface. Sediment is heavily bioturbated and numerous distinct burrows are observed.



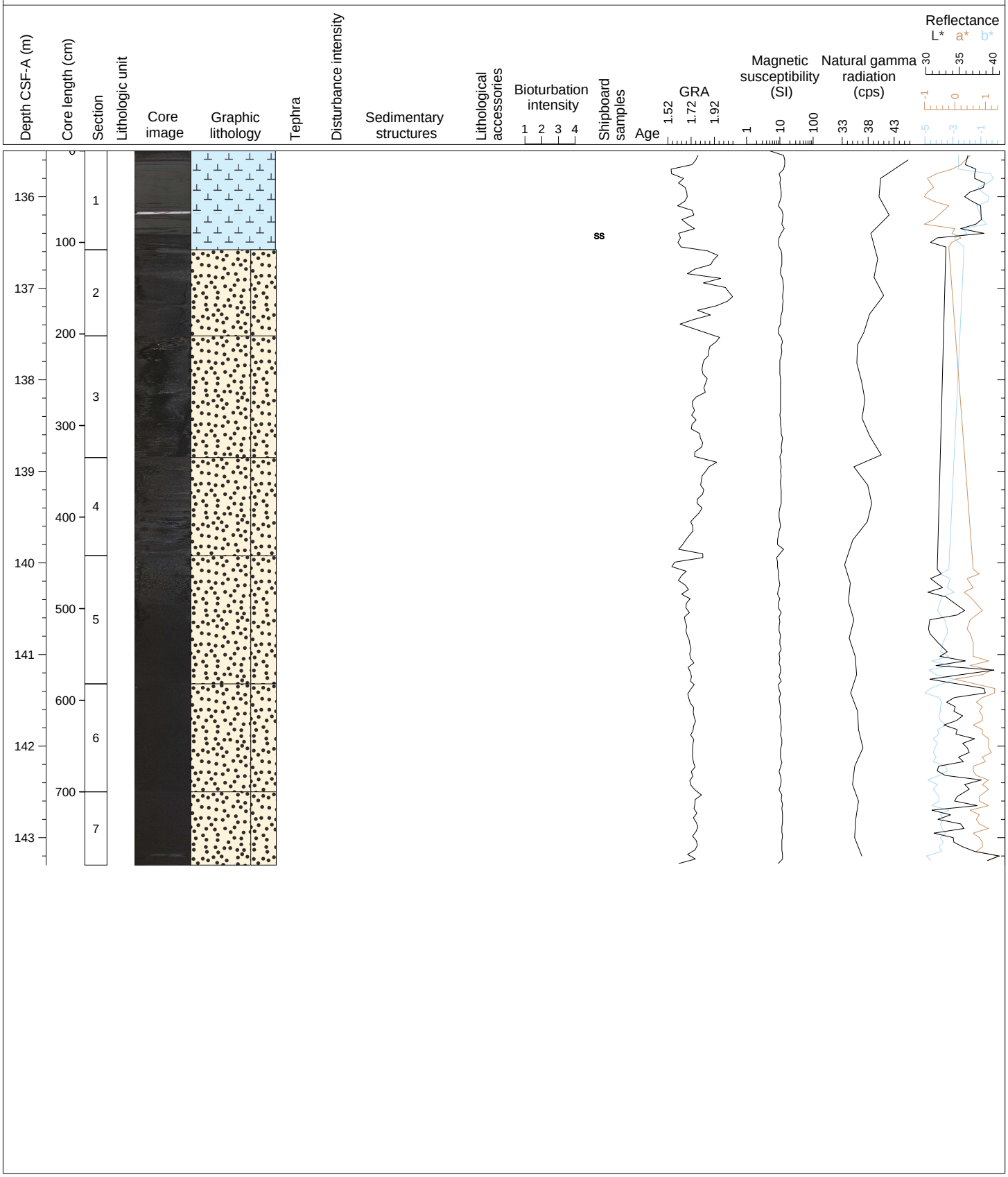
Hole 346-U1428B Core 15H, Interval 126.0-135.02 m (CSF-A)

NANNOFOSSIL OOZE WITH DIATOMS (greenish gray to grayish green), showing evidence of heavy bioturbation and distinct burrows. Layers of dark gray, semi-consolidated SAND are found in Sections 1, 4, 5 and 7. Scattered shell fragments and hydrotroilite appear on the freshly split sediment surface.



Hole 346-U1428B Core 16H, Interval 135.5-143.3 m (CSF-A)

NANNOFOSSIL OOZE WITH DIATOMS (grayish green) in Section 1 with remainder of the core consisting of coarse, dark gray unconsolidated SAND. Upper ooze unit is heavily bioturbated with distinct burrows and some sand that has been mixed upwards.



Sample	Top Depth [m]	Bottom Depth [m]	Sand texture [%]	Silt texture [%]	Clay texture [%]	Ash [%]	Siliciclastic [%]	Biogenic carbonate [%]	Biogenic silica [%]	Total composition [%]	Lithic grains abundance (name)	Quartz abundance (name)	Biotite abundance (name)	Clay minerals abundance (name)	Glauconite abundance (name)	Pyrite, authigenic abundance (name)	Dolomite, authigenic abundance (name)	Vitric grain abundance (name)	Foraminifers abundance (name)	Calcareous nannofossils abundance (name)	Radiolarians abundance (name)	Diatoms abundance (name)	Silicoflagellate, ebridian, actiniscidian abundance (name)	Siliceous sponge spicule fragments abundance (name)	Organic matter abundance (name)	Planktonic foraminifers abundance (name)
346-U1428A-1H-2-A 100/100-SED	2.5	2.5	60	20	10	70		30		100		R [A85]						A [A85]	R [A85]	C [A85]						R [A85]
346-U1428A-1H-2-A 50/50-SED	2	2				20	10	70		100		R [A85]		R [A85]		R [A85]	Tr [A85]	C [A85]	R [A85]	A [A85]		Tr [A85]				R [A85]
346-U1428A-1H-4-A 50/50-SED	5	5				10	15	60	15	100		Tr [A85]		R [A85]		Tr [A85]	Tr [A85]	C [A85]	R [A85]	A [A85]		C [A85]				R [A85]
346-U1428A-2H-2-A 75/75-SED	8.65	8.65				10	10	70	10	100		R [A85]		R [A85]		Tr [A85]	C [A85]	C [A85]		A [A85]		R [A85]		R [A85]		
346-U1428A-2H-5-A 75/75-SED	13.15	13.15				20	10	60	10	100		R [A85]				R [A85]	R [A85]	C [A85]	Tr [A85]	A [A85]		R [A85]		R [A85]		Tr [A85]
346-U1428A-3H-2-A 75/75-SED	18.15	18.15				5	10	70	15	100		R [A85]				R [A85]	R [A85]	R [A85]	Tr [A85]	A [A85]		C [A85]		C [A85]	A [A85]	Tr [A85]
346-U1428A-3H-5-A 75/75-SED	22.65	22.65					10	70	20	100		R [A85]				R [A85]	R [A85]	R [A85]		A [A85]		C [A85]		R [A85]	A [A85]	
346-U1428A-4H-2-A 75/75-SED	27.65	27.65										R [A85]				R [A85]	R [A85]	R [A85]	Tr [A85]	A [A85]		C [A85]		R [A85]		Tr [A85]
346-U1428A-4H-5-A 75/75-SED	32.15	32.15										R [A85]				R [A85]	R [A85]	R [A85]	Tr [A85]	A [A85]		R [A85]		R [A85]	C [A85]	Tr [A85]
346-U1428A-5H-2-A	37.15	37.15	5	15	80							R [A85]		A [A85]					C [A85]	A [A85]	Tr [A85]	Tr [A85]		Tr [A85]		C [A85]
346-U1428A-5H-4-A	40.2	40.2	100			100				100								D [A85]								
346-U1428A-5H-6-A	43.15	43.15				100				100								D [A85]								
346-U1428A-6H-4-A	49.65	49.65										C [A85]		Tr [A85]					C [A85]	A [A85]	C [A85]	A [A85]				C [A85]
346-U1428A-7H-1-A	54.65	54.65	80		20						C [A85]	C [A85]			C [A85]	Tr [A85]						Tr [A85]				
346-U1428A-7H-4-A	59.15	59.15									Tr [A85]	C [A85]							C [A85]	A [A85]		A [A85]				C [A85]
346-U1428A-8H-2-A 75/75-SED	65.65	65.65	5	5	80							Tr [A85]							C [A85]	D [A85]		C [A85]				C [A85]
346-U1428A-8H-5-A 75/75-SED	70.17	70.17		10	90							Tr [A85]				Tr [A85]			A [A85]	D [A85]		C [A85]				A [A85]
346-U1428A-9H-2-A 35/35-SED	74.75	74.75		10	90	5	10	70	15	100		R [A85]				R [A85]		C [A85]	C [A85]	A [A85]		C [A85]				C [A85]
346-U1428A-9H-5-A 75/75-SED	79.65	79.65		10	90	2	10	80	8	100		R [A85]		R [A85]		R [A85]		R [A85]	C [A85]	A [A85]		R [A85]	Tr [A85]			C [A85]
346-U1428A-11H-4-A 75/75-SED	96.16	96.16		10	90		5	90	5	100		R [A85]		Tr [A85]					C [A85]	A [A85]	R [A85]	R [A85]				C [A85]
346-U1428A-12H-3-A 75/75-SED	105.15	105.15				2	5	88	5	100		R [A85]				R [A85]		R [A85]	A [A85]	A [A85]		R [A85]				A [A85]
346-U1428A-13H-3-A 75/75-SED	114.65	114.65		10	90	5	5	80	10	100		R [A85]							R [A85]	A [A85]		R [A85]	R [A85]	R [A85]		R [A85]
346-U1428A-13H-6-A 75/75-SED	119.09	119.09		10	90	5	5	85	5	100		R [A85]	R [A85]					R [A85]	C [A85]	A [A85]		C [A85]	R [A85]	C [A85]		C [A85]
346-U1428A-14H-2-A 75/75-SED	122.65	122.65		10	90	5	5	85	5	100	R [A85]	R [A85]				R [A85]		R [A85]	C [A85]	D [A85]		R [A85]	R [A85]			C [A85]
346-U1428A-14H-5-A 30/30-SED	126.6	126.6		10	90	5	10	75	10	100	R [A85]	C [A85]				R [A85]			R [A85]	D [A85]		R [A85]	R [A85]	R [A85]		R [A85]
346-U1428A-15H-1-A 75/75-SED	130.65	130.65		10	90	5	10	75	10	100		R [A85]						R [A85]	C [A85]	A [A85]		R [A85]	R [A85]			C [A85]
346-U1428A-15H-4-A 70/70-SED	134.85	134.85		20	80	5	10	70	15	100		R [A85]				Tr [A85]		R [A85]	C [A85]	A [A85]		C [A85]	C [A85]			C [A85]
346-U1428A-23H-2-A 75/75-SED	160.97	160.97		80	20		30	70		100		C [A85]				R [A85]	C [A85]	Tr [A85]		A [A85]						
346-U1428A-23H-5-A 75/75-SED	165.19	165.19		80	20		30	70		100		C [A85]					C [A85]	Tr [A85]		A [A85]						
346-U1428A-32H-1-A 30/30-SED	207.3	207.3		80	20		30	70		100		C [A85]				R [A85]	C [A85]	Tr [A85]		A [A85]						

Sample	Top Depth [m]	Bottom Depth [m]	Sand texture [%]	Silt texture [%]	Clay texture [%]	Ash [%]	Siliciclastic [%]	Biogenic carbonate [%]	Biogenic silica [%]	Total composition [%]	Lithic grains abundance (name)	Quartz abundance (name)	Biotite abundance (name)	Clay minerals abundance (name)	Glauconite abundance (name)	Pyrite, authigenic abundance (name)	Dolomite, authigenic abundance (name)	Vitric grain abundance (name)	Foraminifers abundance (name)	Calcareous nannofossils abundance (name)	Radiolarians abundance (name)	Diatoms abundance (name)	Silicoflagellate, ebridian, actiniscidian abundance (name)	Siliceous sponge spicule fragments abundance (name)	Organic matter abundance (name)	Planktonic foraminifers abundance (name)
346-U1428B-1H-1-A 75/75-SED	0.75	0.75				10	10	80		100		R [A85]				Tr [A85]		R [A85]	R [A85]	D [A85]		Tr [A85]		Tr [A85]		R [A85]
346-U1428B-1H-2-A 86/86-SED	2.36	2.36				80		20		100						R [A85]		D [A85]		C [A85]		Tr [A85]				
346-U1428B-2H-2-A 75/75-SED	4.75	4.75				10	10	70	10	100		R [A85]				R [A85]	R [A85]	C [A85]	R [A85]	D [A85]		C [A85]		R [A85]		R [A85]
346-U1428B-2H-5-A 75/75-SED	9.25	9.25					20	70	10	100		C [A85]				R [A85]	C [A85]	R [A85]	Tr [A85]	D [A85]		Tr [A85]	R [A85]	Tr [A85]		Tr [A85]
346-U1428B-3H-5-A 75/75-SED	18.75	18.75				5	10	70	15	100		R [A85]				R [A85]	R [A85]	R [A85]	R [A85]	A [A85]		C [A85]		R [A85]		R [A85]
346-U1428B-4H-5-A 75/75-SED	28.25	28.25					10	80	10	100		R [A85]				R [A85]	R [A85]	R [A85]	Tr [A85]	D [A85]		C [A85]		R [A85]		Tr [A85]
346-U1428B-5H-5-A 75/75-SED	37.75	37.75				20	20	60		100		C [A85]				R [A85]	Tr [A85]	C [A85]	R [A85]	A [A85]		Tr [A85]		Tr [A85]		R [A85]
346-U1428B-7H-5-A 75/75-SED	56.75	56.75				10	20	60	10	100		C [A85]				R [A85]	C [A85]	C [A85]	R [A85]	A [A85]		C [A85]		R [A85]		R [A85]
346-U1428B-8H-5-A 75/75-SED	66.26	66.26				20		80		100		C [A85]				R [A85]	R [A85]	Tr [A85]	R [A85]	D [A85]		Tr [A85]				R [A85]
346-U1428B-9H-2-A 75/75-SED	71.25	71.25					20	70	10	100		C [A85]				R [A85]	Tr [A85]	R [A85]	R [A85]	A [A85]		R [A85]		R [A85]		R [A85]
346-U1428B-9H-5-A 10/10-SED	75.06	75.06				10	10	80		100		R [A85]				R [A85]	R [A85]	C [A85]	C [A85]	A [A85]		R [A85]				C [A85]
346-U1428B-10H-2-A 75/75-SED	80.75	80.75				10	10	80		100		R [A85]				R [A85]	R [A85]	C [A85]	C [A85]	A [A85]		R [A85]				C [A85]
346-U1428B-10H-3-A 75/75-SED	82.25	82.25				30	20	50		100		C [A85]				C [A85]		A [A85]		A [A85]						
346-U1428B-11H-5-A 75/75-SED	94.66	94.66					20	70	10	100		R [A85]				C [A85]	R [A85]	R [A85]	R [A85]	A [A85]		R [A85]		R [A85]		R [A85]