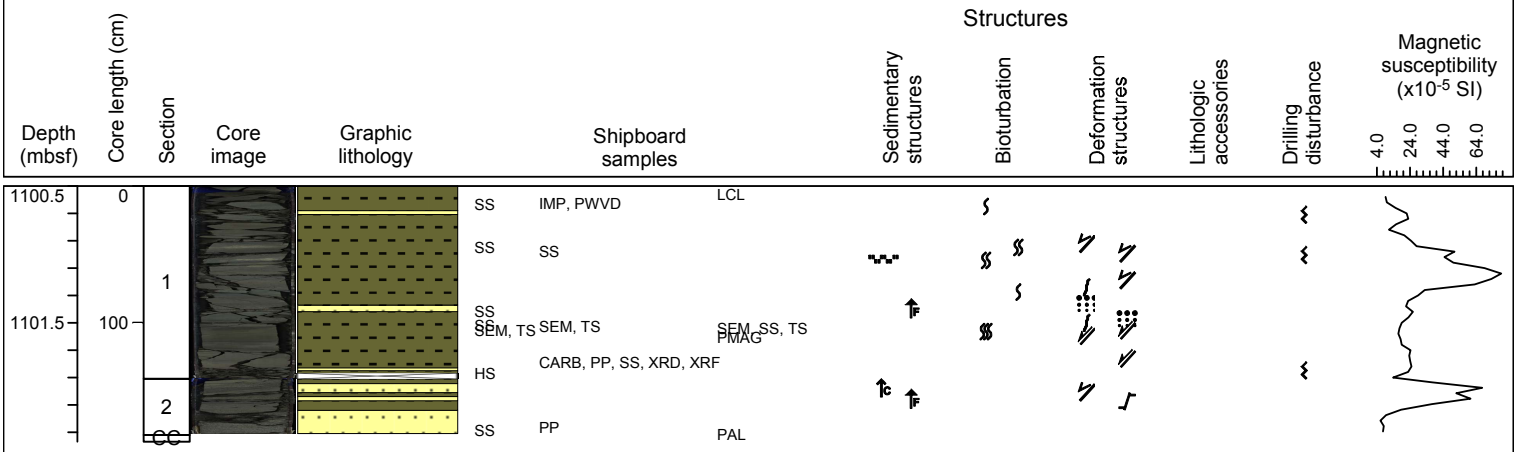
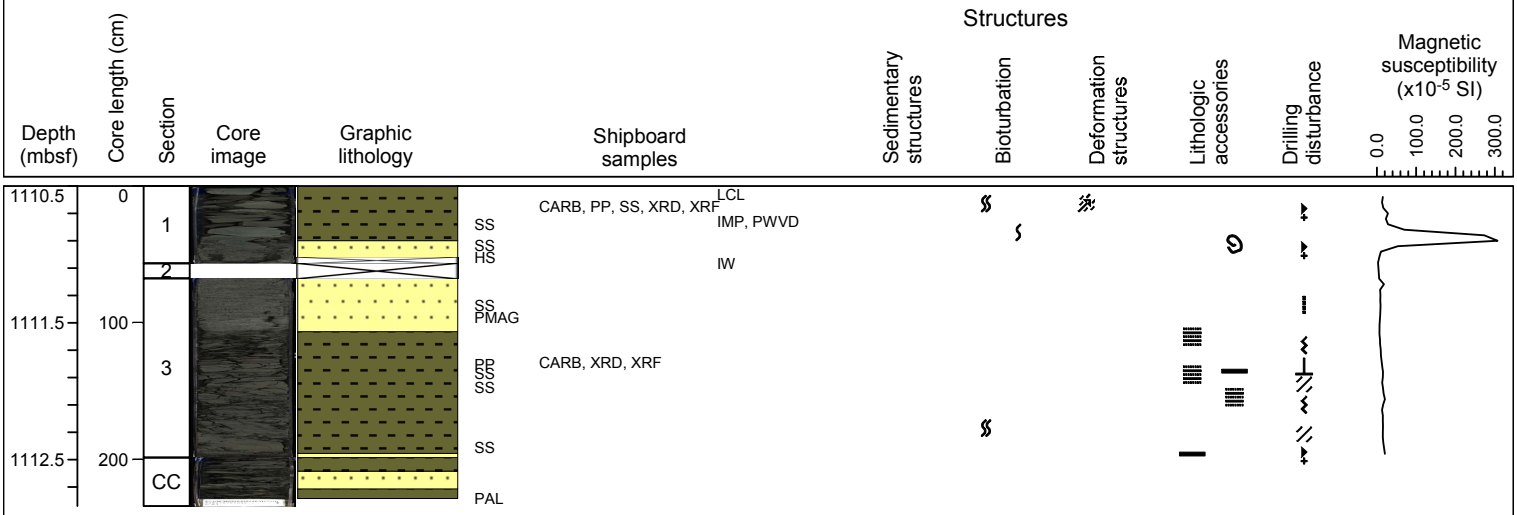
Hole C0002H Core 1R, interval 1100.5-1102.37 m (core depth below seafloor)

Dark greenish gray silty clay as a major lithology with packages of poorly consolidated sands as a minor lithology



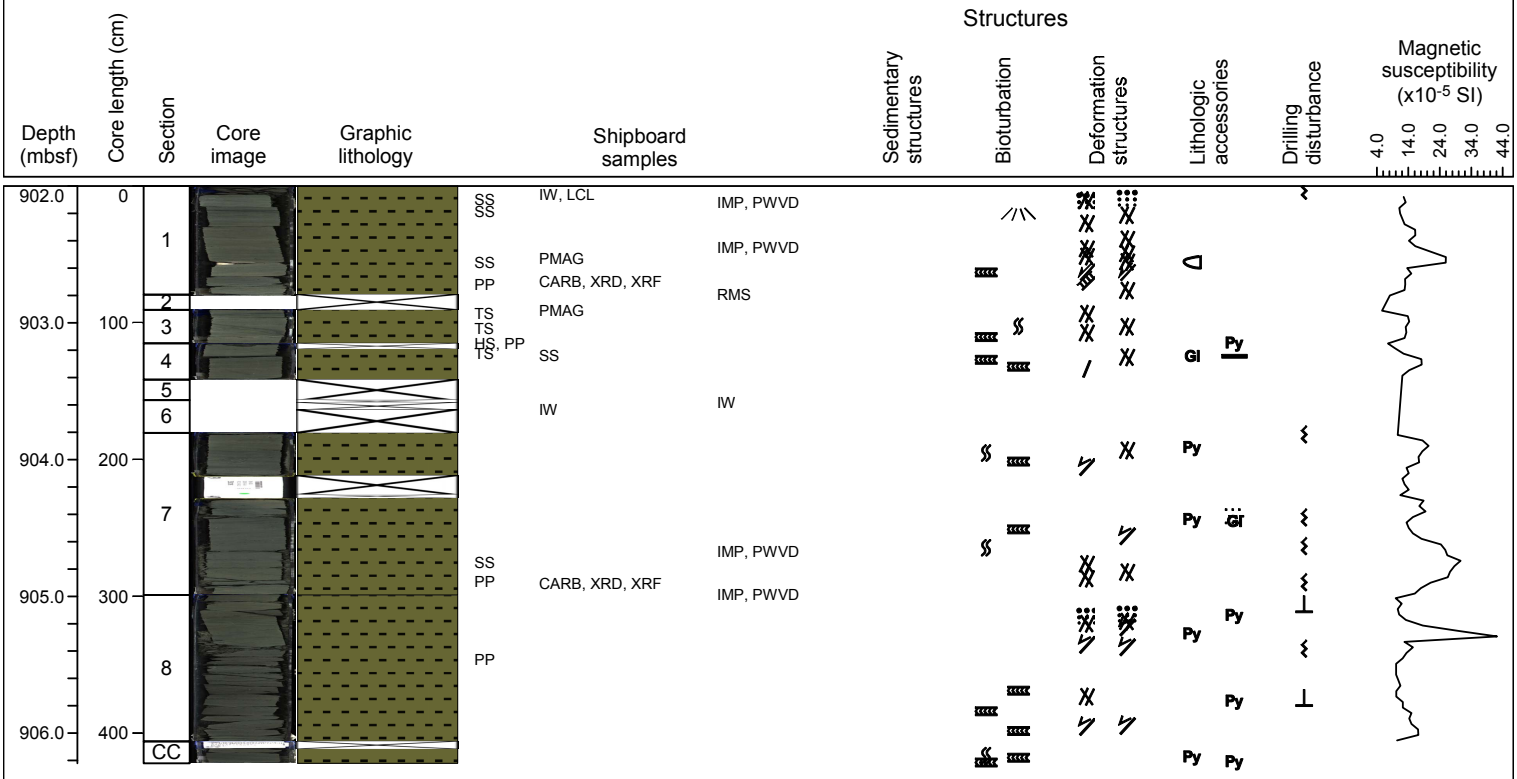
Hole C0002H Core 2R, interval 1110.5-1112.84 m (core depth below seafloor)

Dark olive gray silty clay with medium poorly consolidated sandstone as the minor lithology.
Structural Geology: sequence of silty clay and poorly consolidated sands with sometimes the occurrence of black bands rich in organic matter



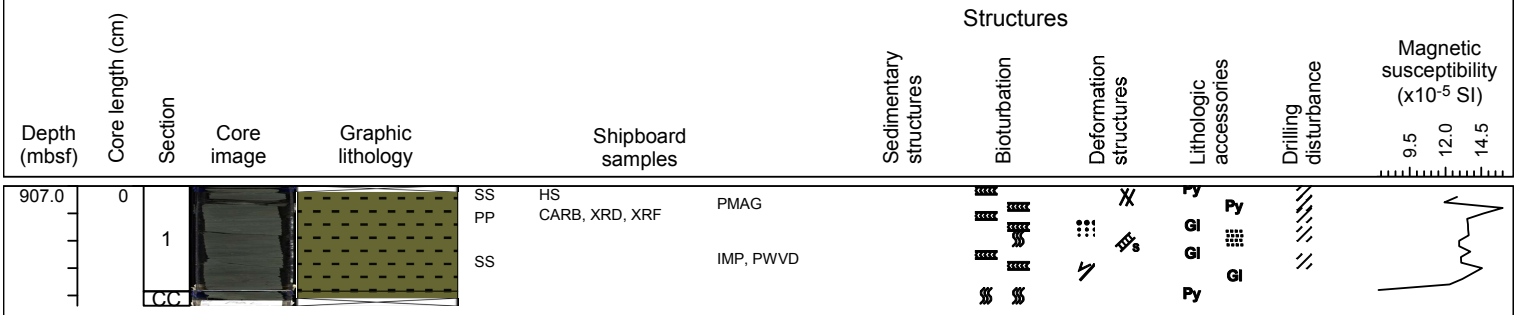
Hole C0002J Core 1R, interval 902-906.22 m (core depth below seafloor)

Dark olive green silty clay with moderate to intense bioturbation (Chondrites, Zoophycos plus other unidentified ichnotaxa).
Some burrows in discrete intervals appear pyritized. Glauconite was also identified.



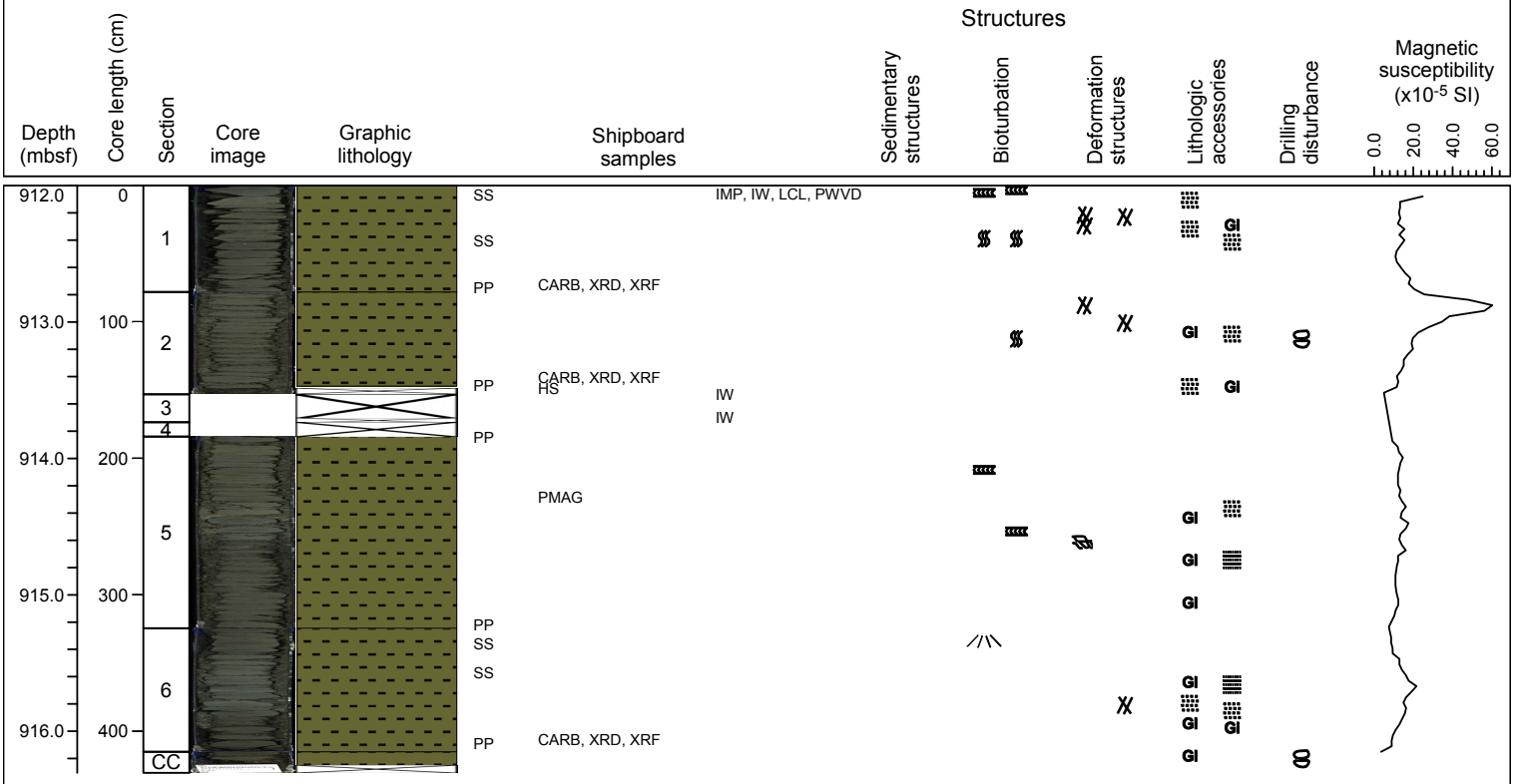
Hole C0002J Core 2R, interval 907-907.875 m (core depth below seafloor)

Intensly bioturbated silty claystone, some burrows are pyritized.
There are several irregular glauconite bands. A common type of ichnotaxa is Zoophycos. There are also some foraminifera.



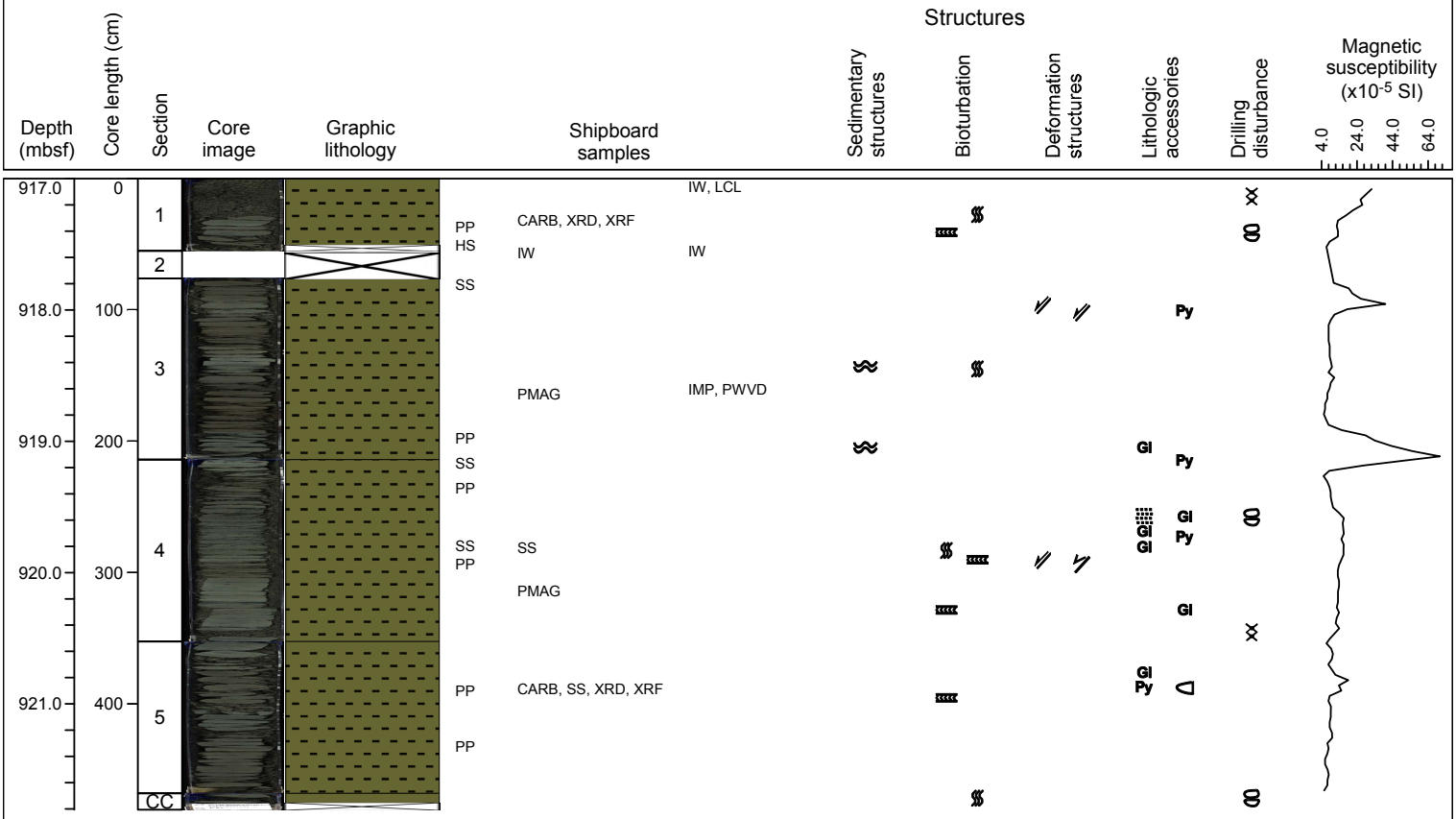
Hole C0002J Core 3R, interval 912-916.305 m (core depth below seafloor)

silty claystone, homogenized by bioturbation (sometimes some discrete burrows can be observed). Parts of this core are heavily glauconized, sometimes with discrete patches, sometimes sand-sized glauconite particles, sometimes glauconite banding.



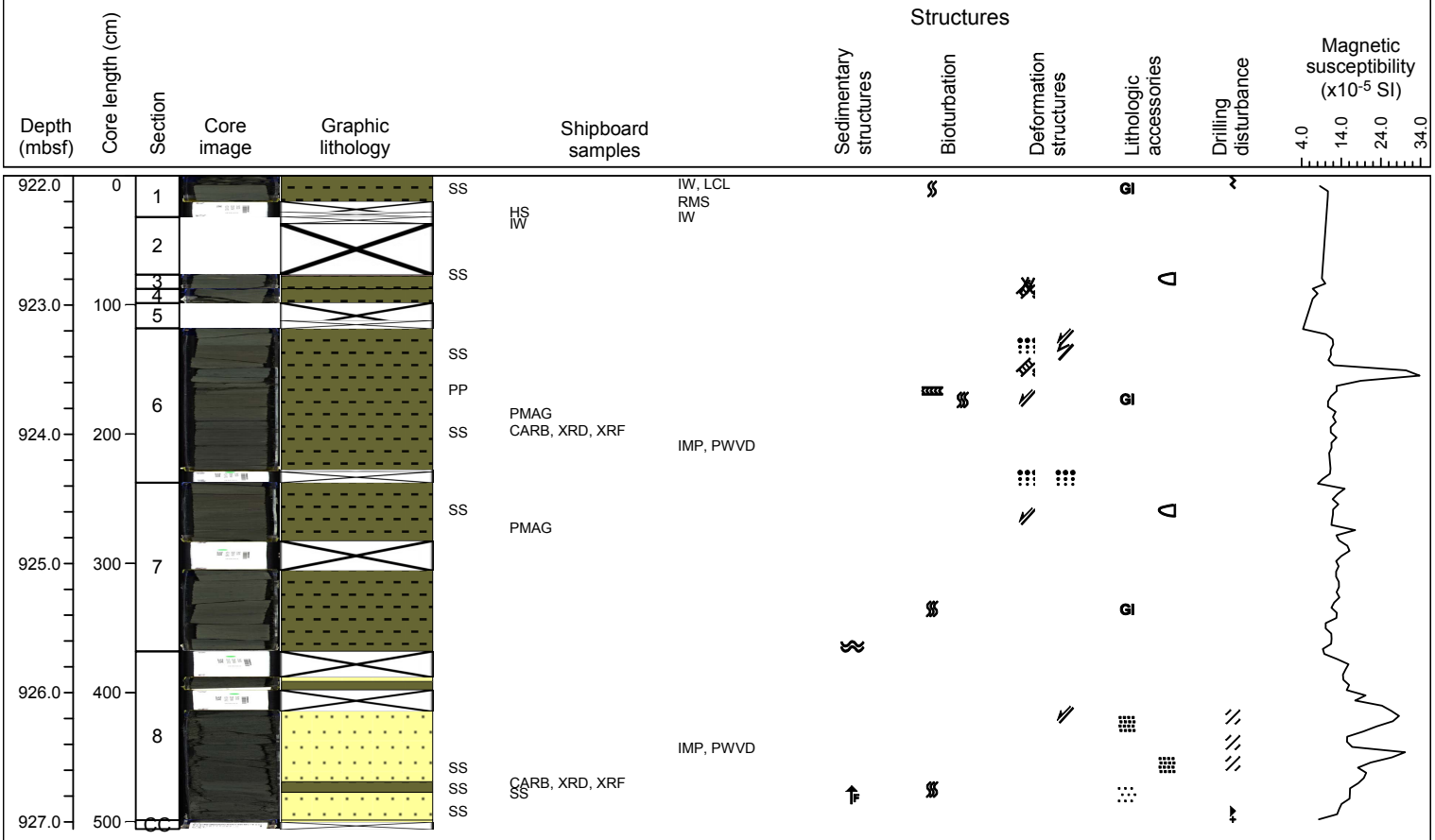
Hole C0002J Core 4R, interval 917-921.805 m (core depth below seafloor)

Dark olive gray silty claystone with bioturbation and scattered glauconite grains.



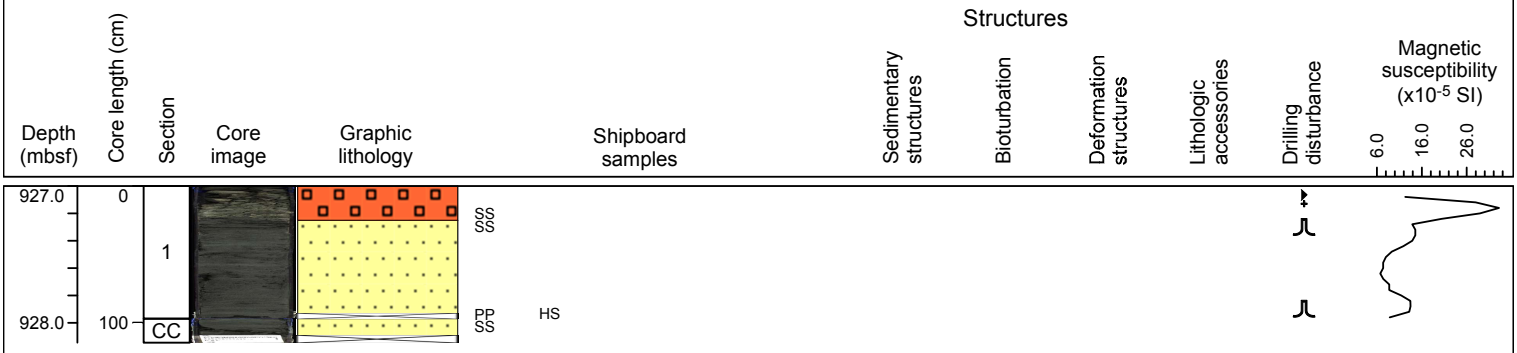
Hole C0002J Core 5R, interval 922-927.055 m (core depth below seafloor)

Sections 1 to 7 are a silty claystone which is highly bioturbated and contains a lot of glauconite.
There is a clear ash layer at the top of section 3. There are some small ash patches lower down.
In section 8 there is a lot of sand. Around 100 cm in section 8 might be the boundary between unit III and unit IV.



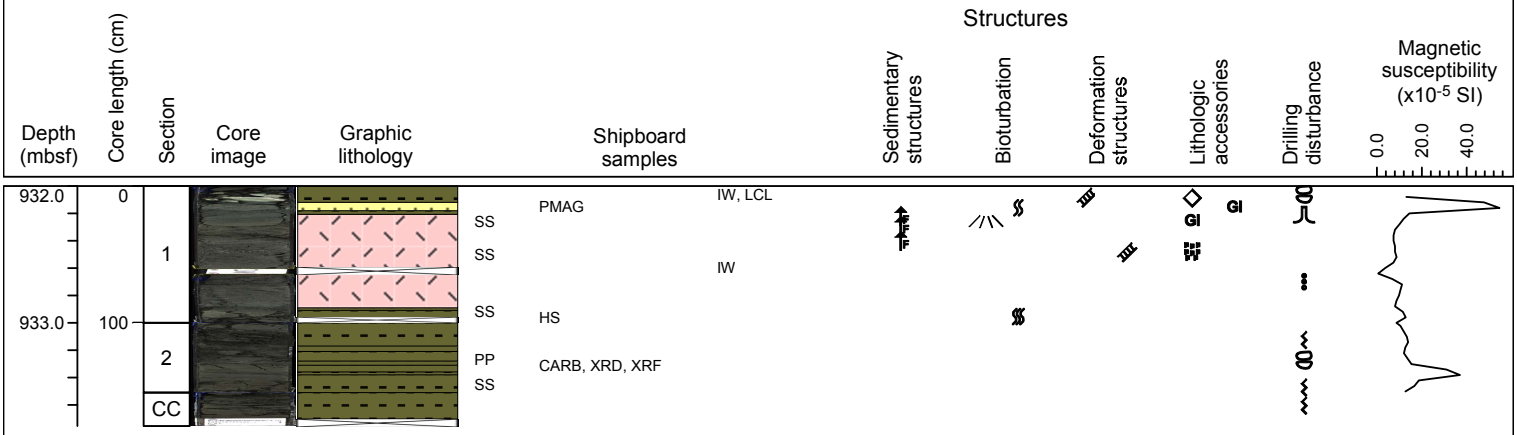
Hole C0002J Core 6R, interval 927-928.145 m (core depth below seafloor)

At the top of this core there is a very variable breccia (pebble sized fragments in a unconsolidated mud) which is separated from the homogeneous sands below by a very irregular boundary. In the sand there are several fragments of organic matter.



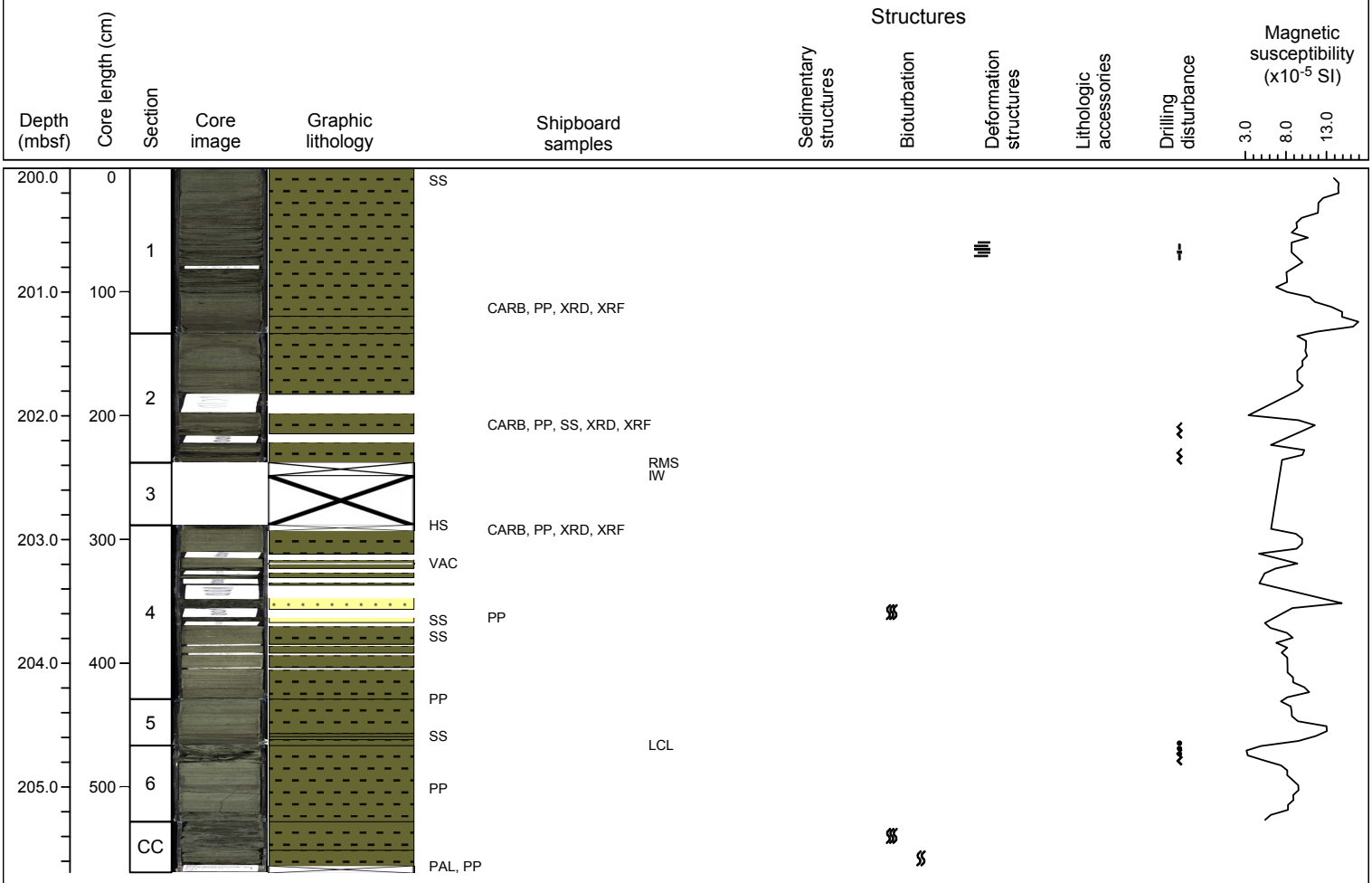
Hole C0002J Core 7R, interval 932-933.755 m (core depth below seafloor)

Core which contains a lot of sand, some of which is of volcanic origin. There are some minor levels with silty claystone, which is mostly heavily bioturbated.



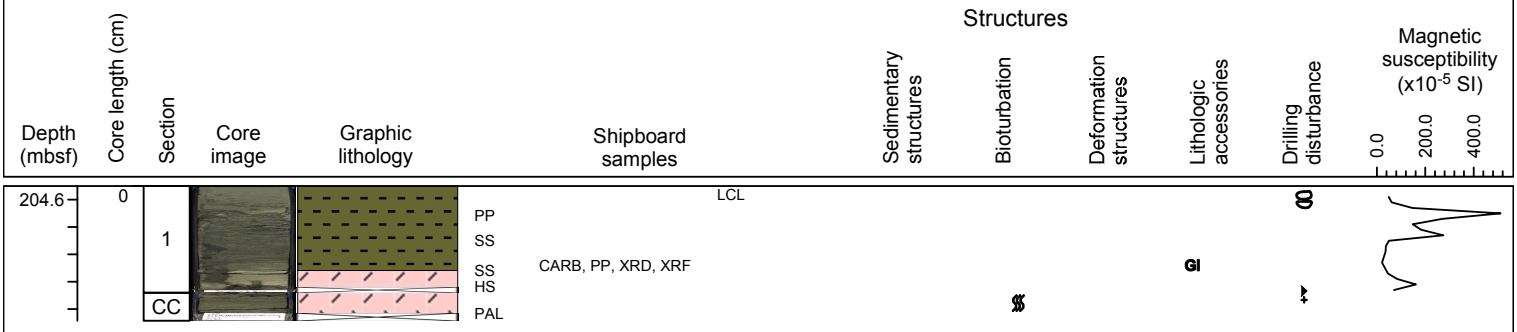
Hole C0002K Core 1H, interval 200-205.69 m (core depth below seafloor)

Dark olive gray silty clay with bioturbation. Sand is the minor lithology. Voids were likely generated by gas hydrates expansion.



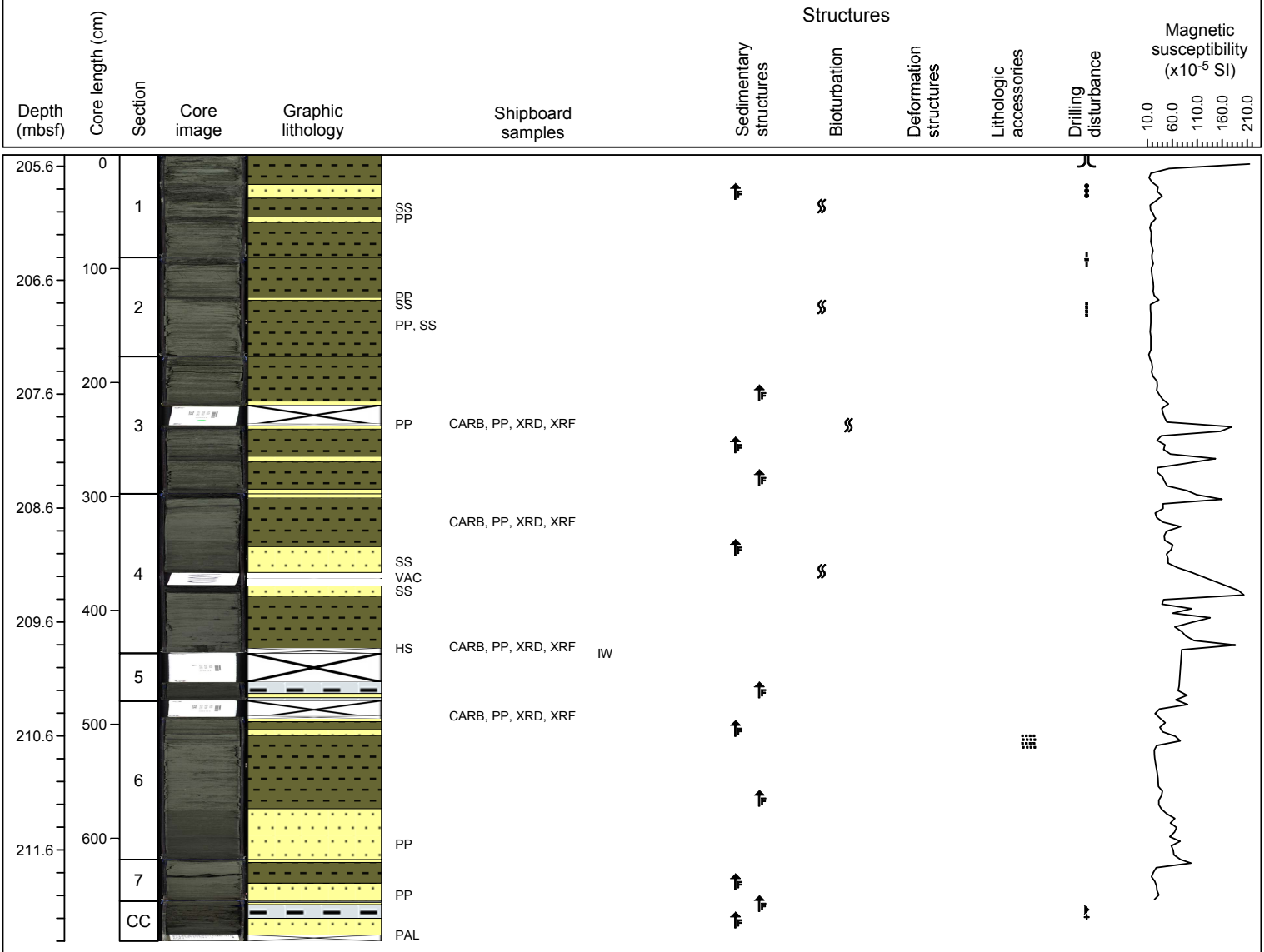
Hole C0002K Core 2H, interval 204.5-205.485 m (core depth below seafloor)

Dark olive gray silty clay with bioturbation. FIne volcanic ash is the minor lithology. Discrete glauconized burrows are observed.



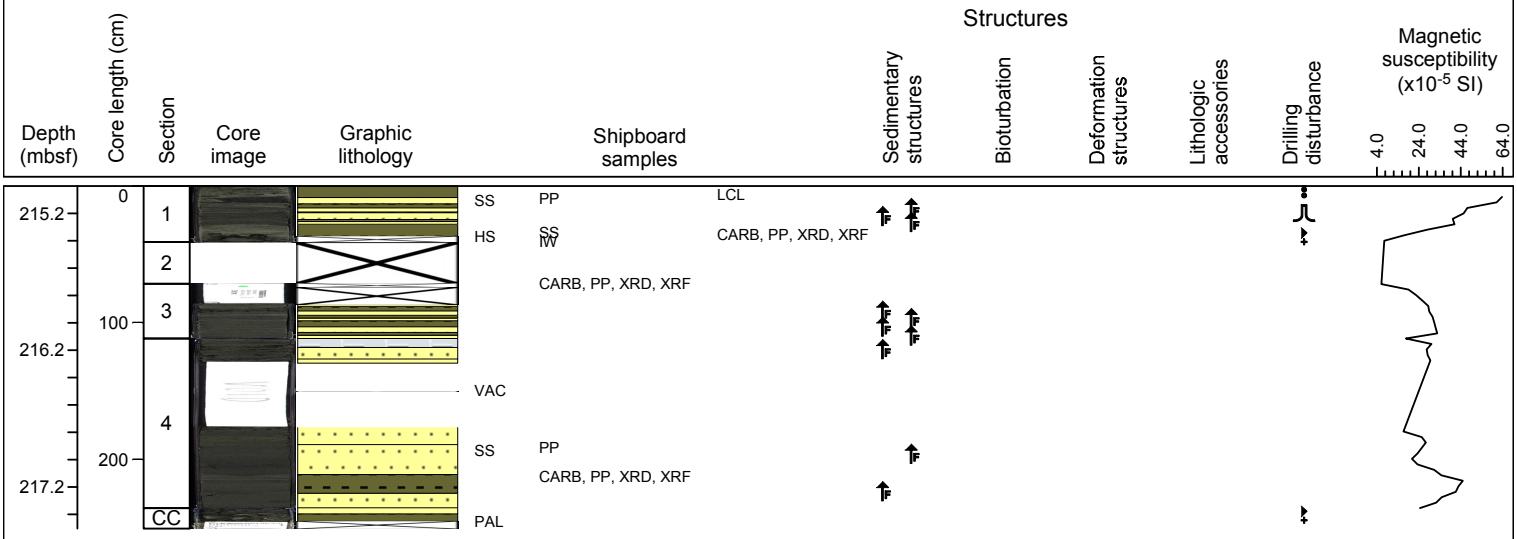
Hole C0002K Core 3T, interval 205.5-212.4 m (core depth below seafloor)

Transition a silty clay with lots of nannofossils to a silty clay with still some micro-organisms to a stack of fining upward sequences (sand to silt or sand to silty clay). Often the bottom of such sequences is marked by a sharp and clear boundary.



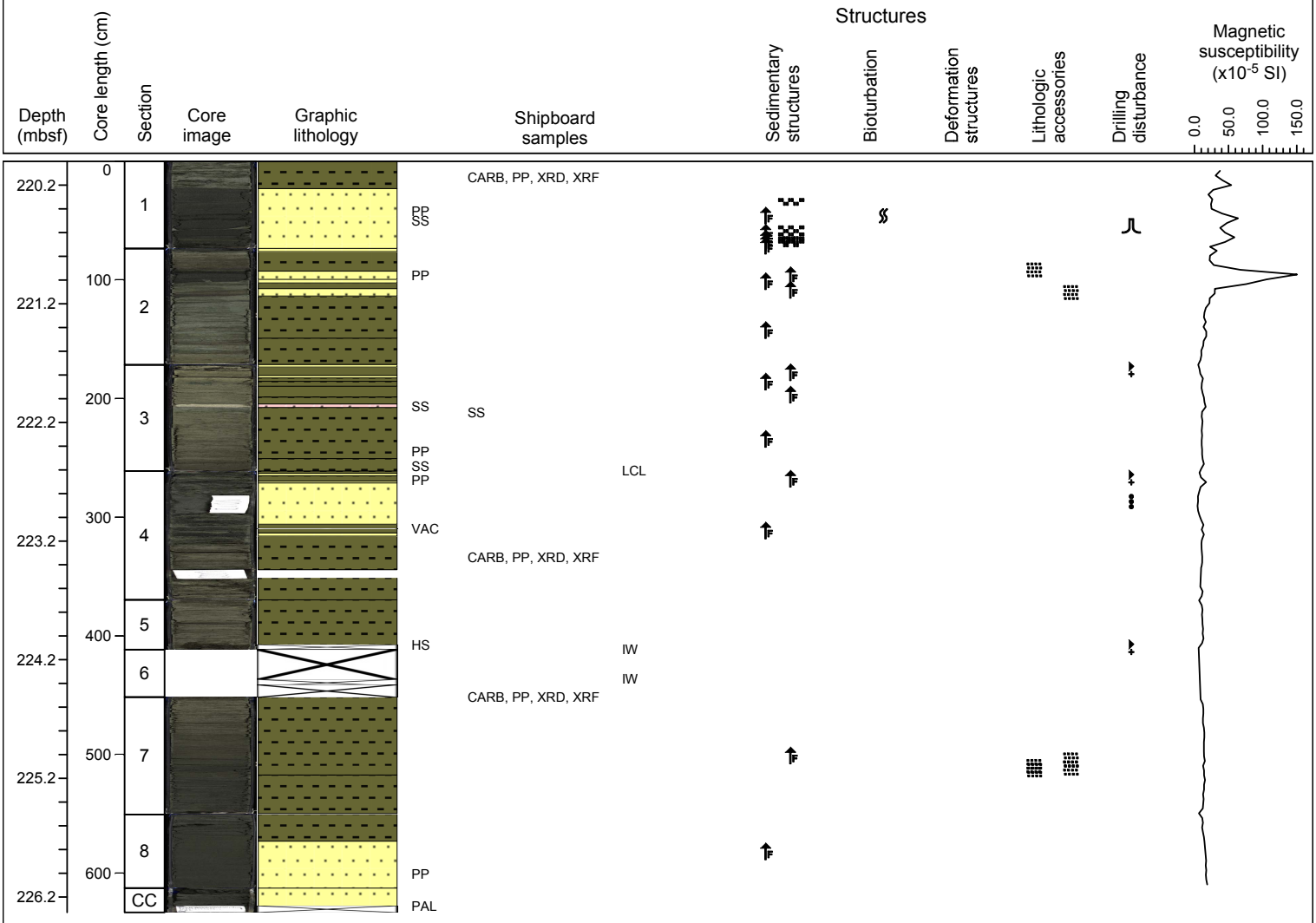
Hole C0002K Core 4T, interval 215-217.505 m (core depth below seafloor)

Repeated fining upward sequences, ranging from sand at the bottom to silty clay at the top.
Some fining upwards have clear erosional boundaries.



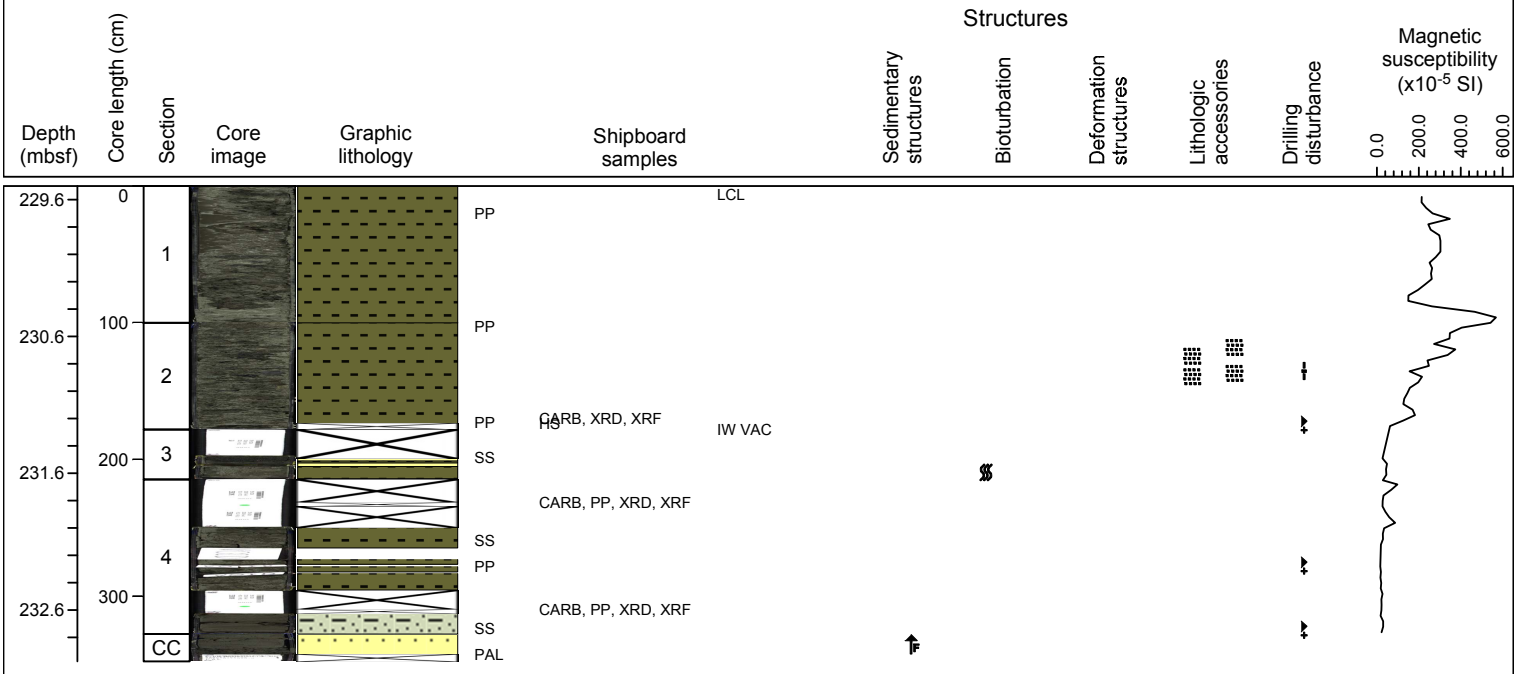
Hole C0002K Core 5T, interval 220-226.33 m (core depth below seafloor)

A series of several fining upwards sequences ranging from silt/clayey silt to a silty clay or starting from a sand and fining up to a silty clay.
There is also a very clear white ash layer.



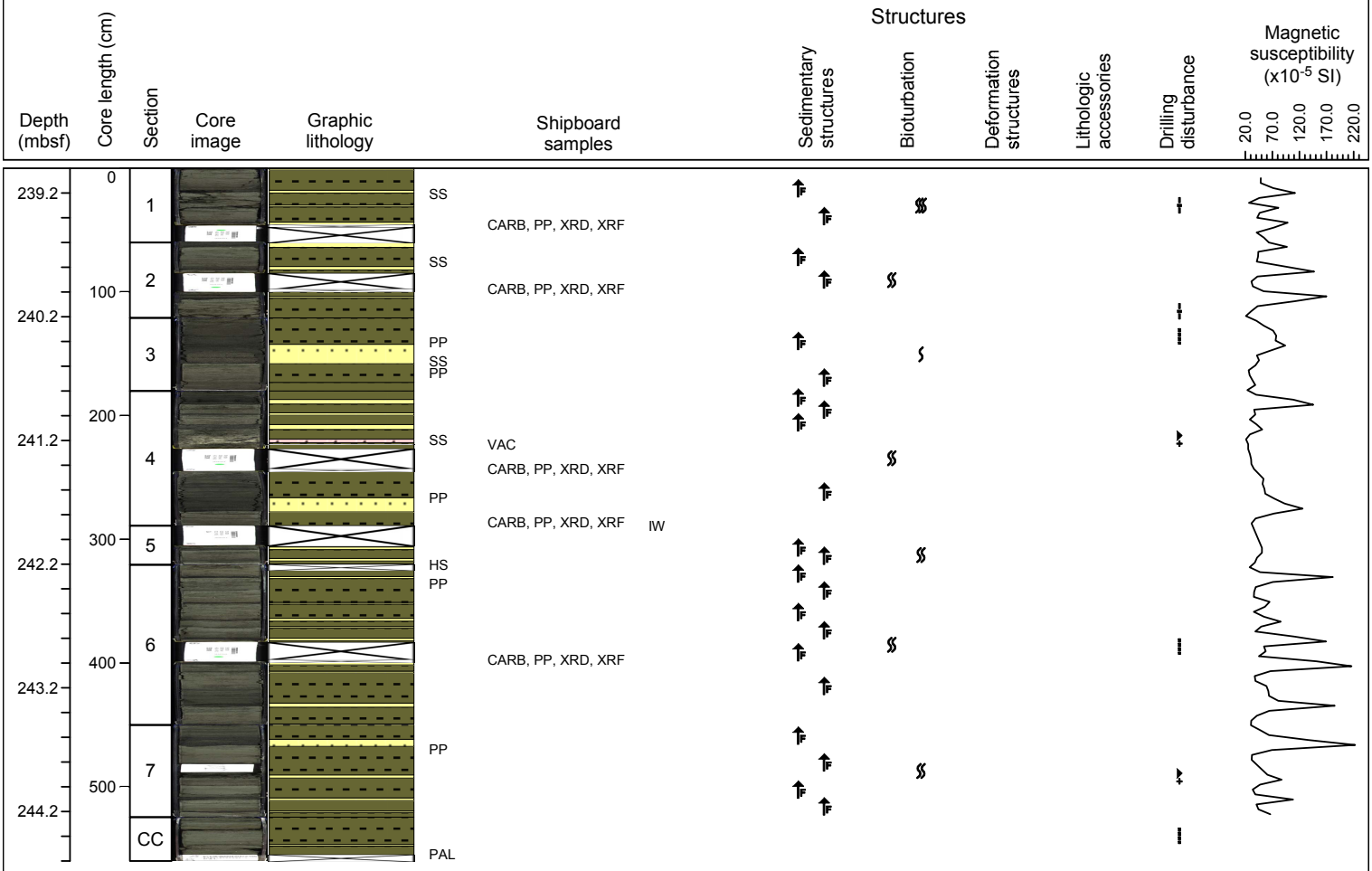
Hole C0002K Core 6T, interval 229.5-232.975 m (core depth below seafloor)

Almost structureless, intensely bioturbated silty claystone with some sand intervals, some of them fining upwards.



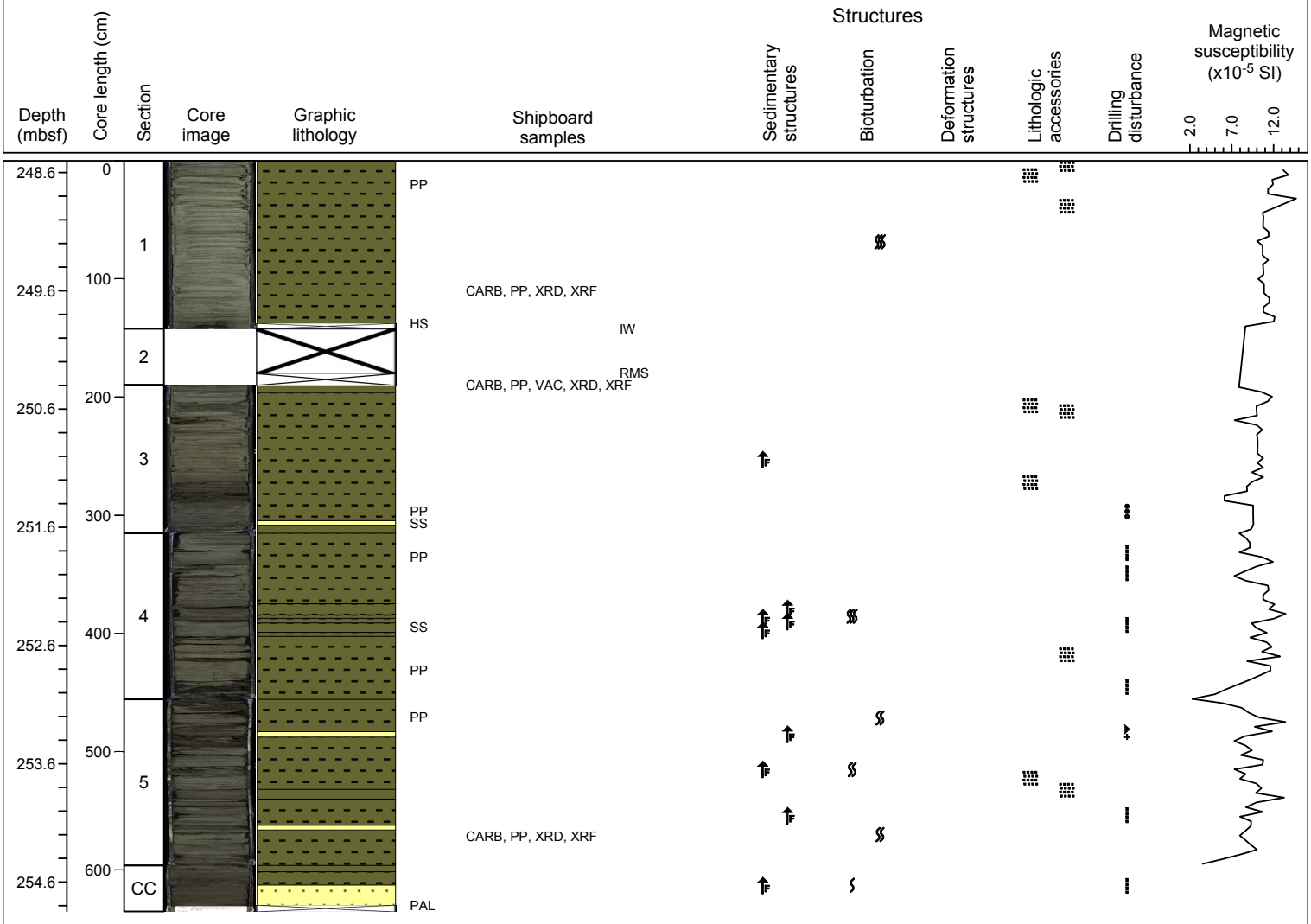
Hole C0002K Core 7X, interval 239-244.6 m (core depth below seafloor)

A series of fining upward sequences from sand or coarse silt to silty clay.



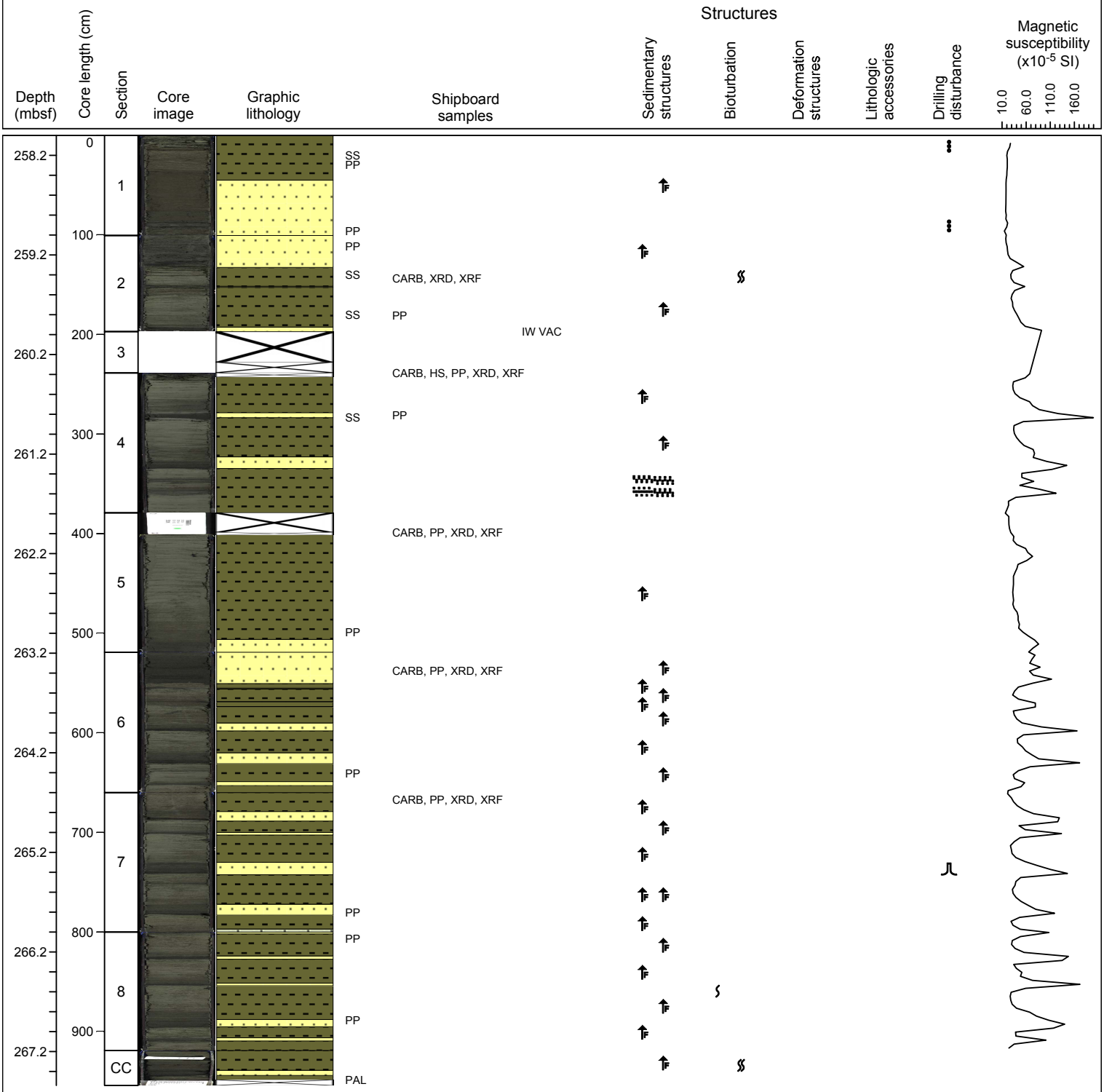
Hole C0002K Core 8X, interval 248.5-254.85 m (core depth below seafloor)

Dominant lithology is silty clay, but within this core there are several fining upward sequences from sand/silt to silty clay



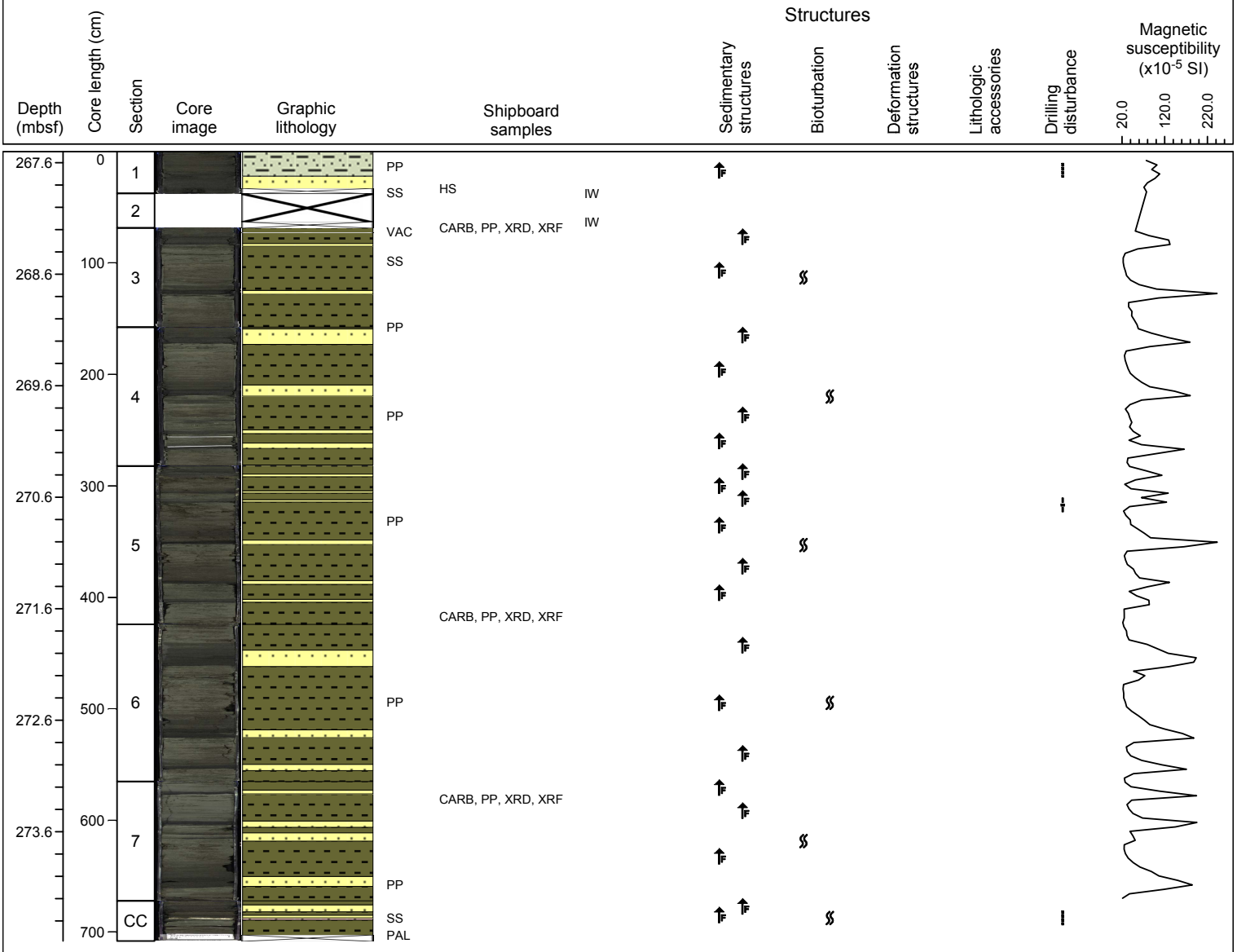
Hole C0002K Core 9X, interval 258-267.54 m (core depth below seafloor)

Olive gray silty clay. Sand (occurring at the base of fining-upward packages) is the minor lithology.



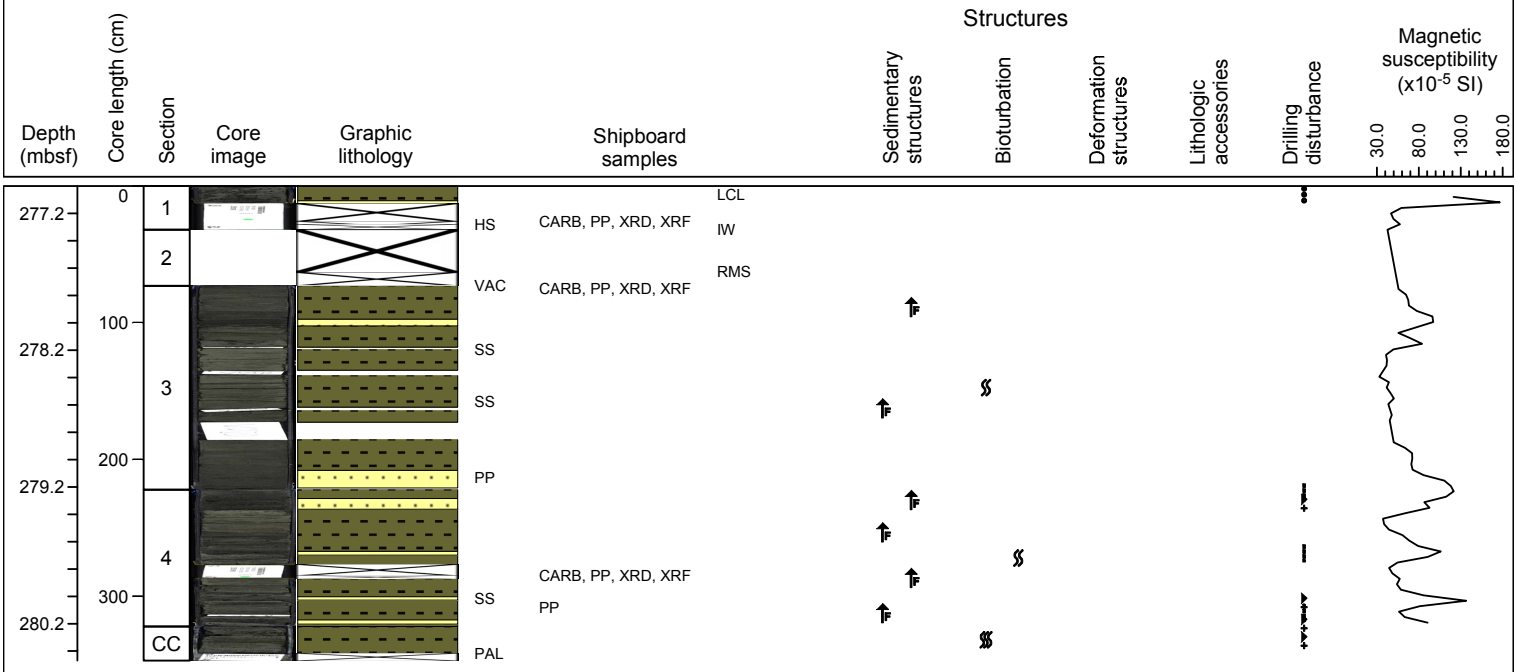
Hole C0002K Core 10X, interval 267.5-274.58 m (core depth below seafloor)

Olive gray silty clay with bioturbation. Sand is the minor lithology, usually occurring at the base of fining upward packages.



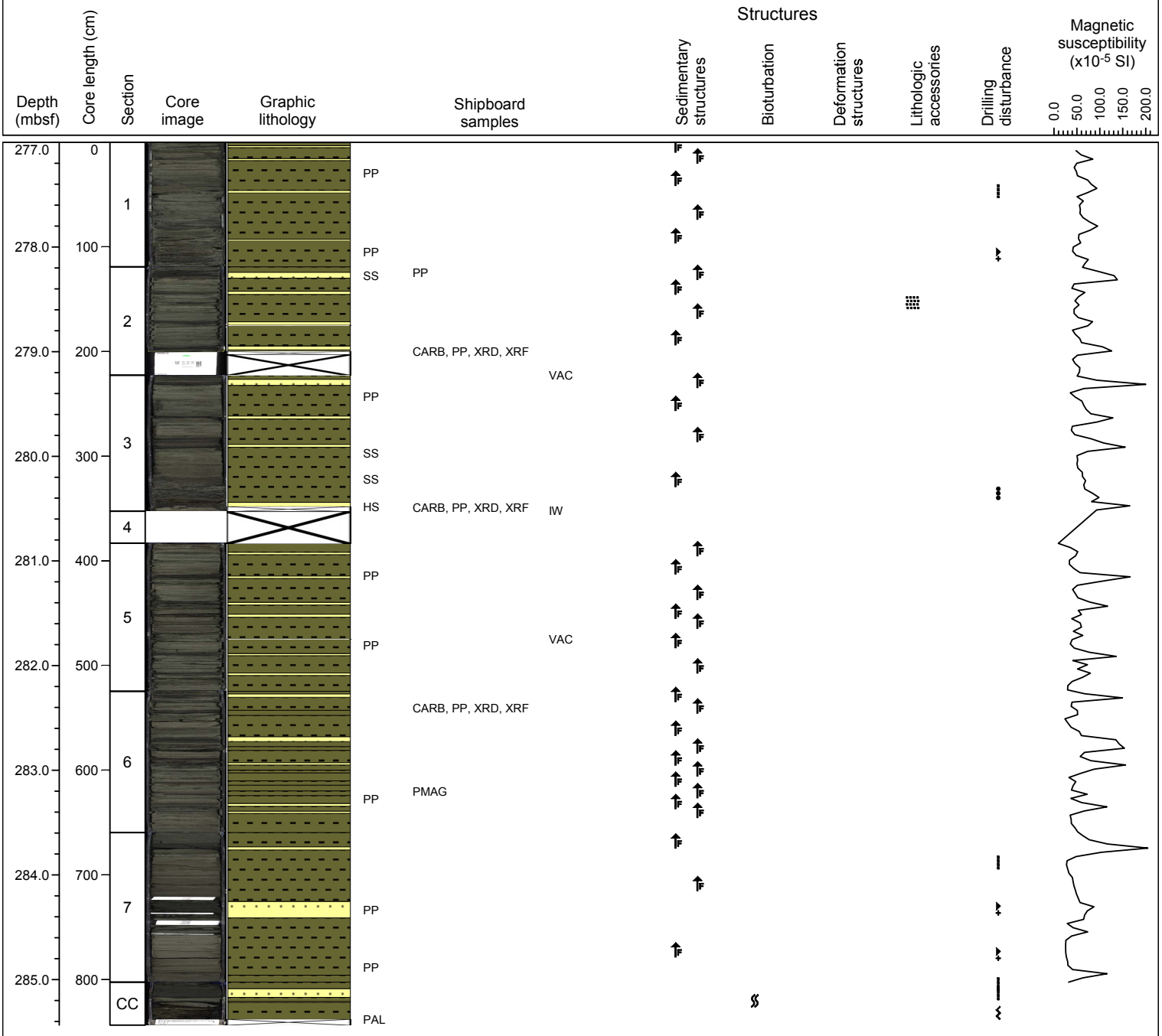
Hole C0002K Core 11X, interval 277-280.47 m (core depth below seafloor)

Gray silty clay with bioturbation. Sand is the minor lithology, usually occuring at the base of fining upward packages.



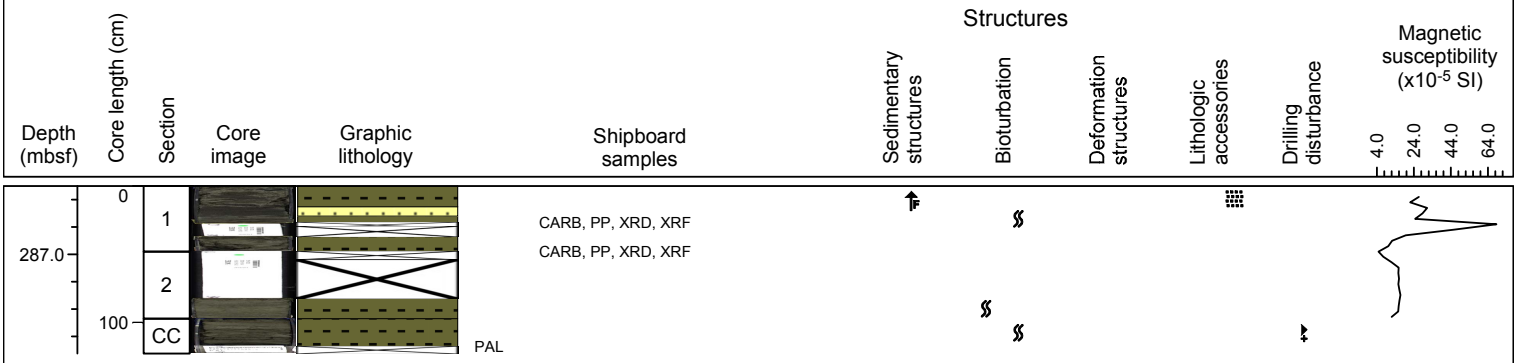
Hole C0002L Core 1X, interval 277-285.435 m (core depth below seafloor)

Dark olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



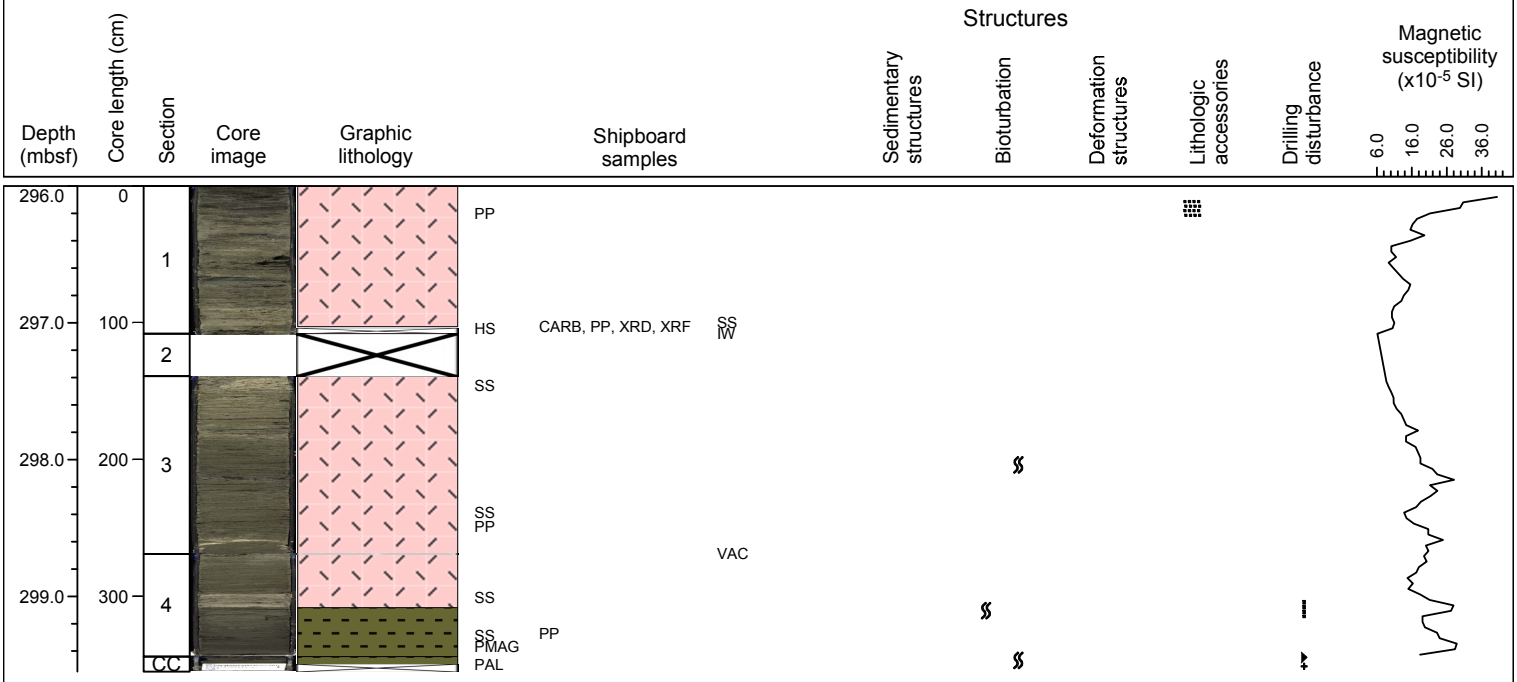
Hole C0002L Core 2X, interval 286.5-287.725 m (core depth below seafloor)

Olive gray silty clay. Sand is the minor lithology, occurring at the base of a fining upward package.



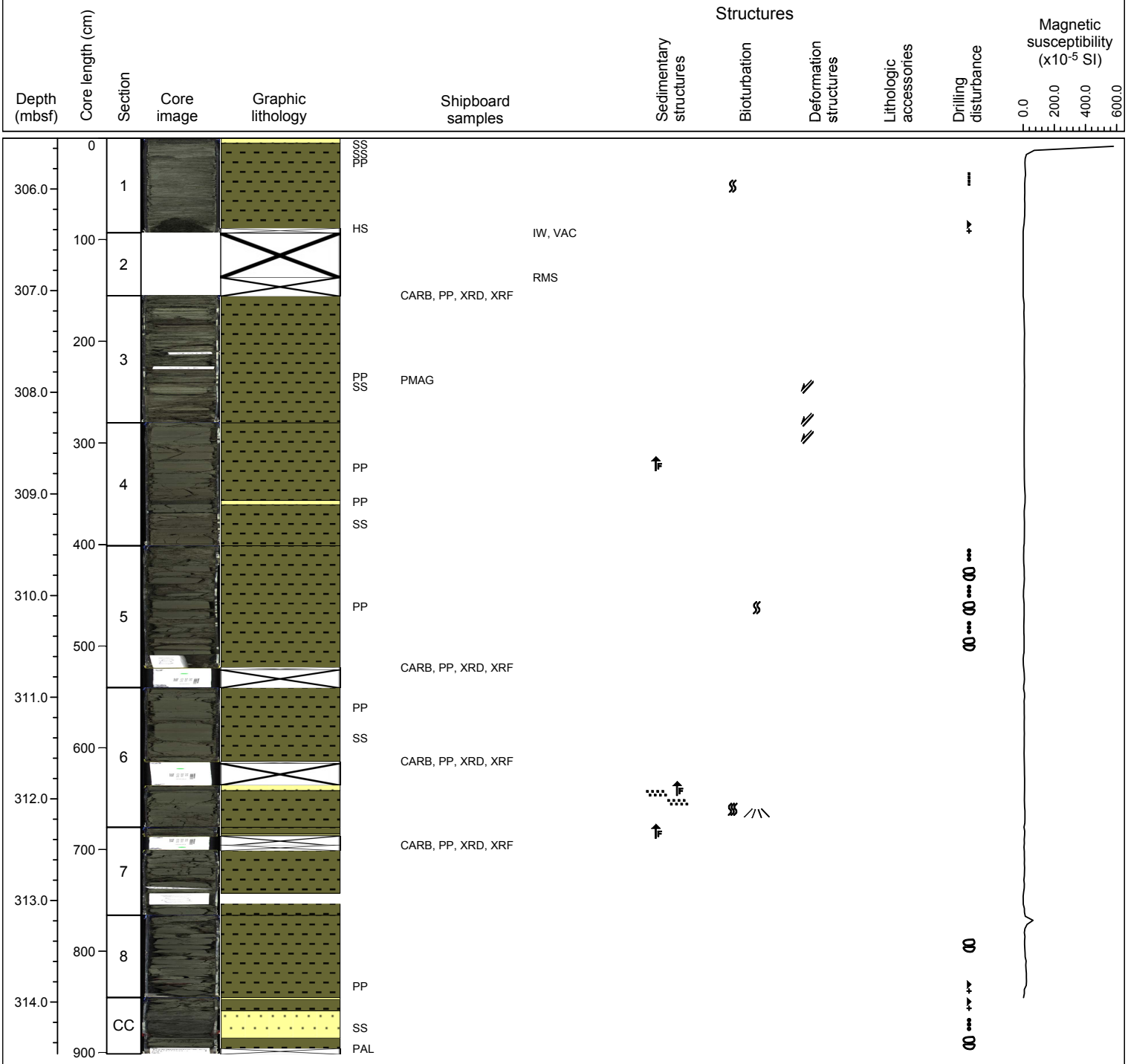
Hole C0002L Core 3X, interval 296-299.55 m (core depth below seafloor)

Olive gray structureless volcanic fine ash. Silty clay is the minor lithology.



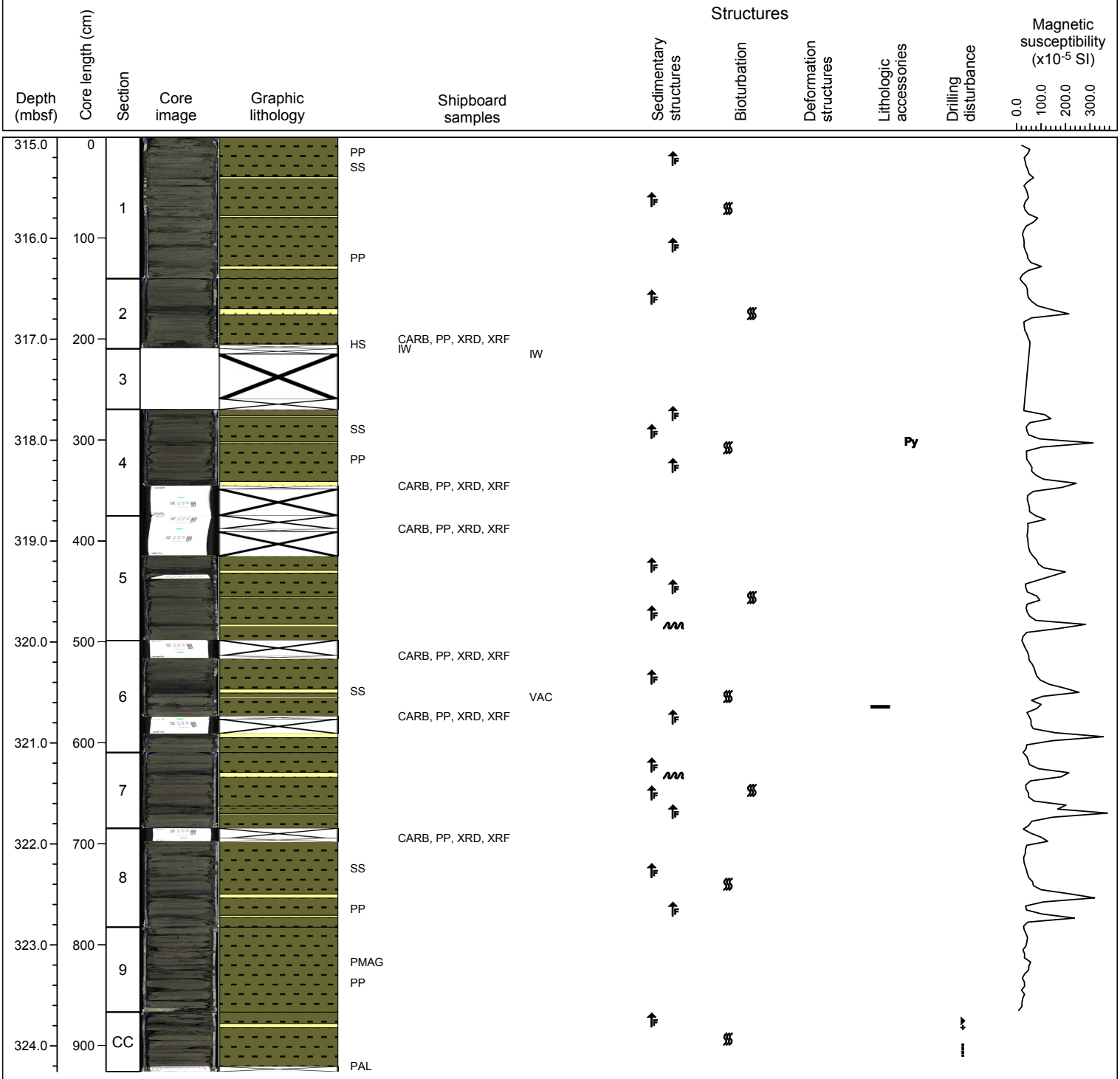
Hole C0002L Core 4X, interval 305.5-314.51 m (core depth below seafloor)

Olive gray silty clay with sand as the minor lithology.



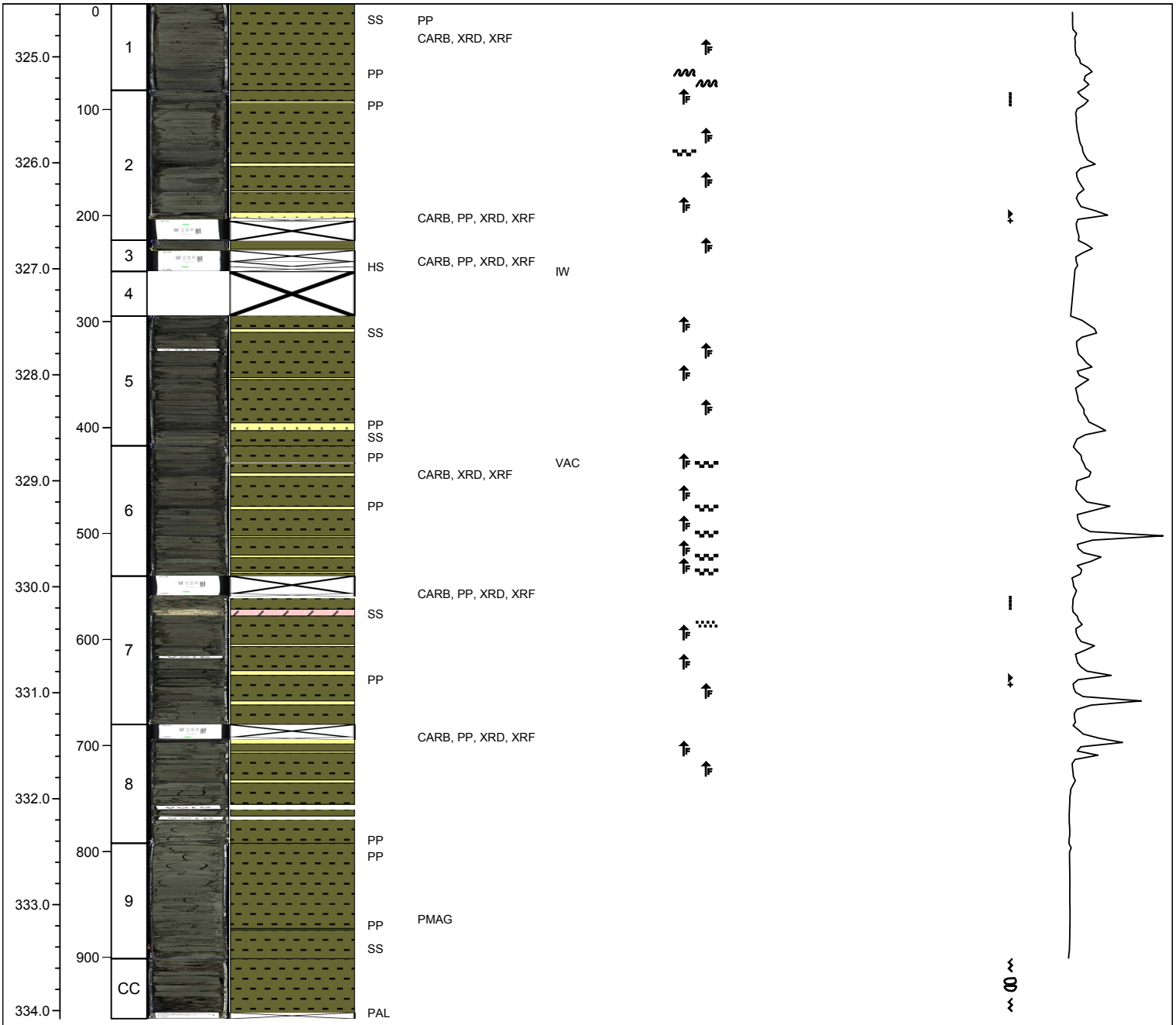
Hole C0002L Core 5X, interval 315-324.255 m (core depth below seafloor)

Dark olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



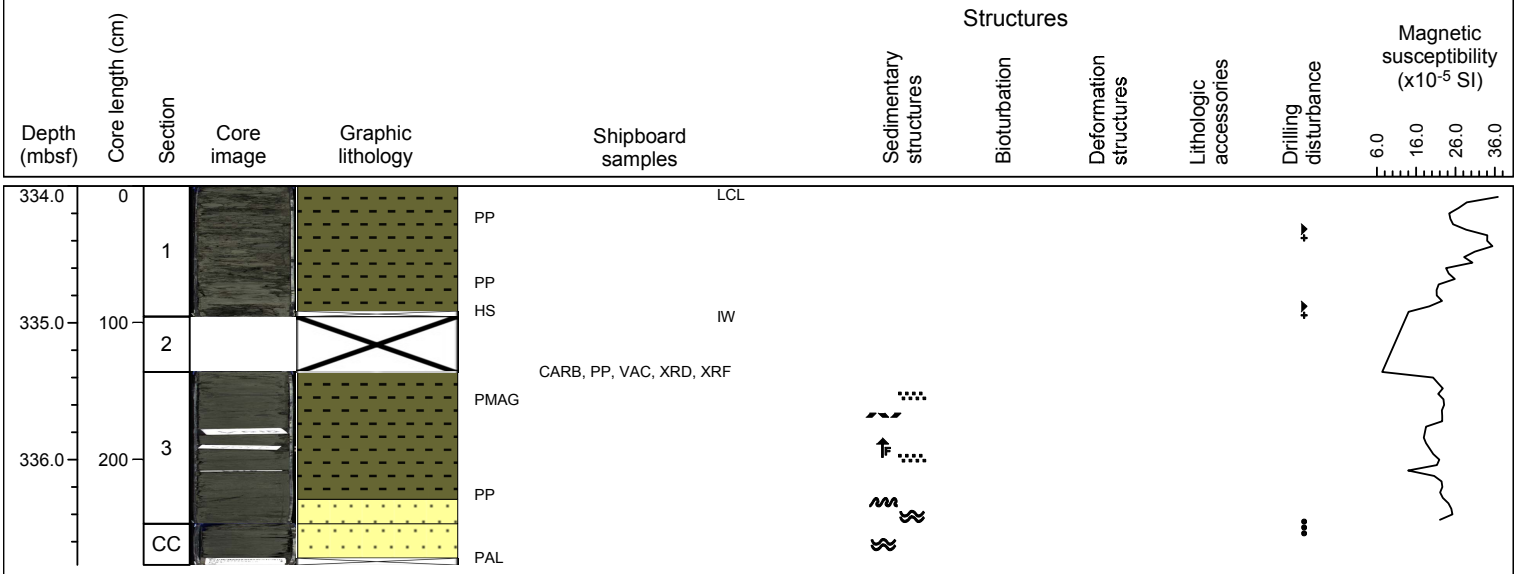
Hole C0002L Core 6X, interval 324.5-334.075 m (core depth below seafloor)

Dark olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



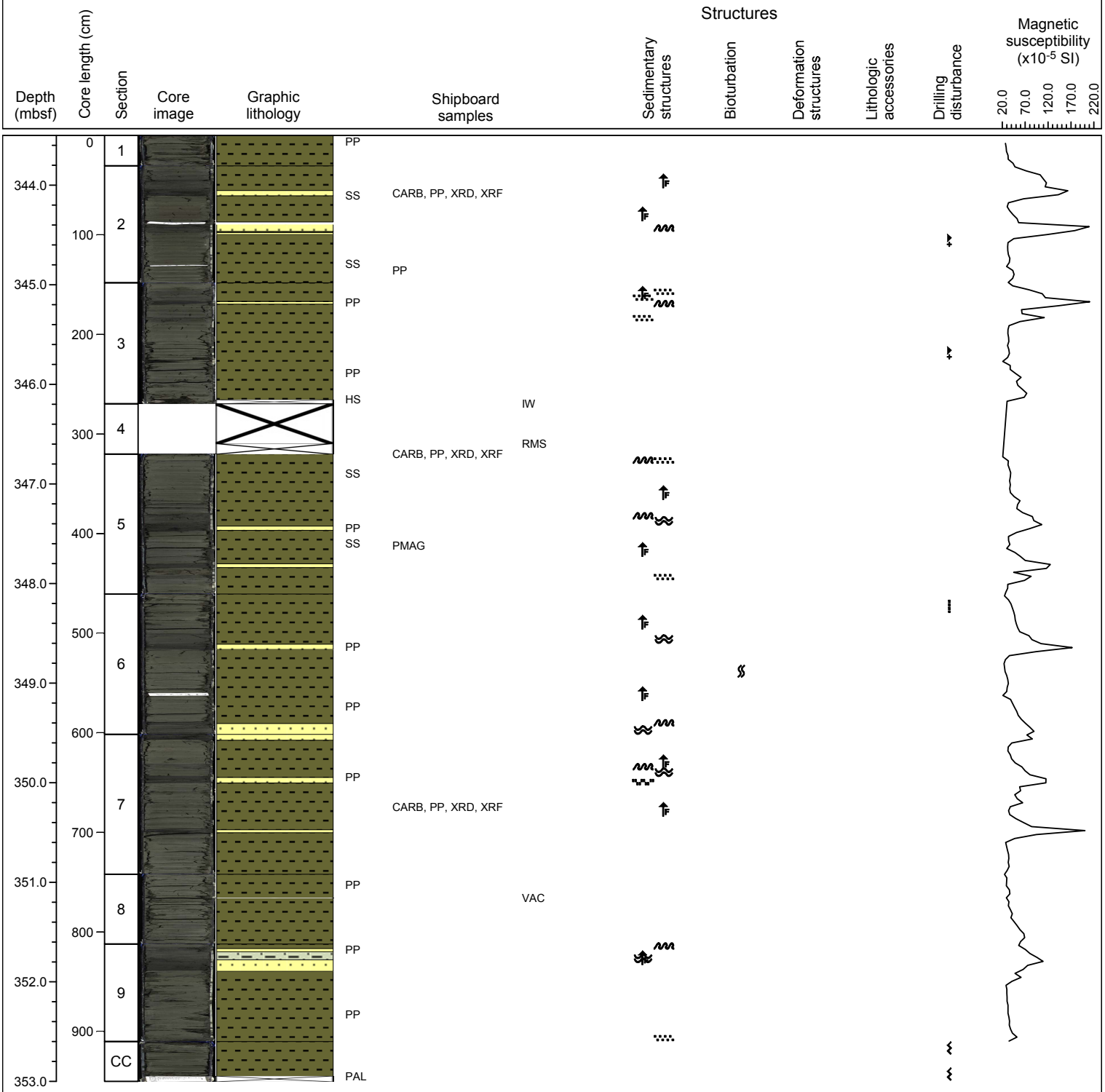
Hole C0002L Core 7X, interval 334-336.77 m (core depth below seafloor)

Olive gray silty clay. Sand is the minor lithology, occurring at the base of a fining upward package.



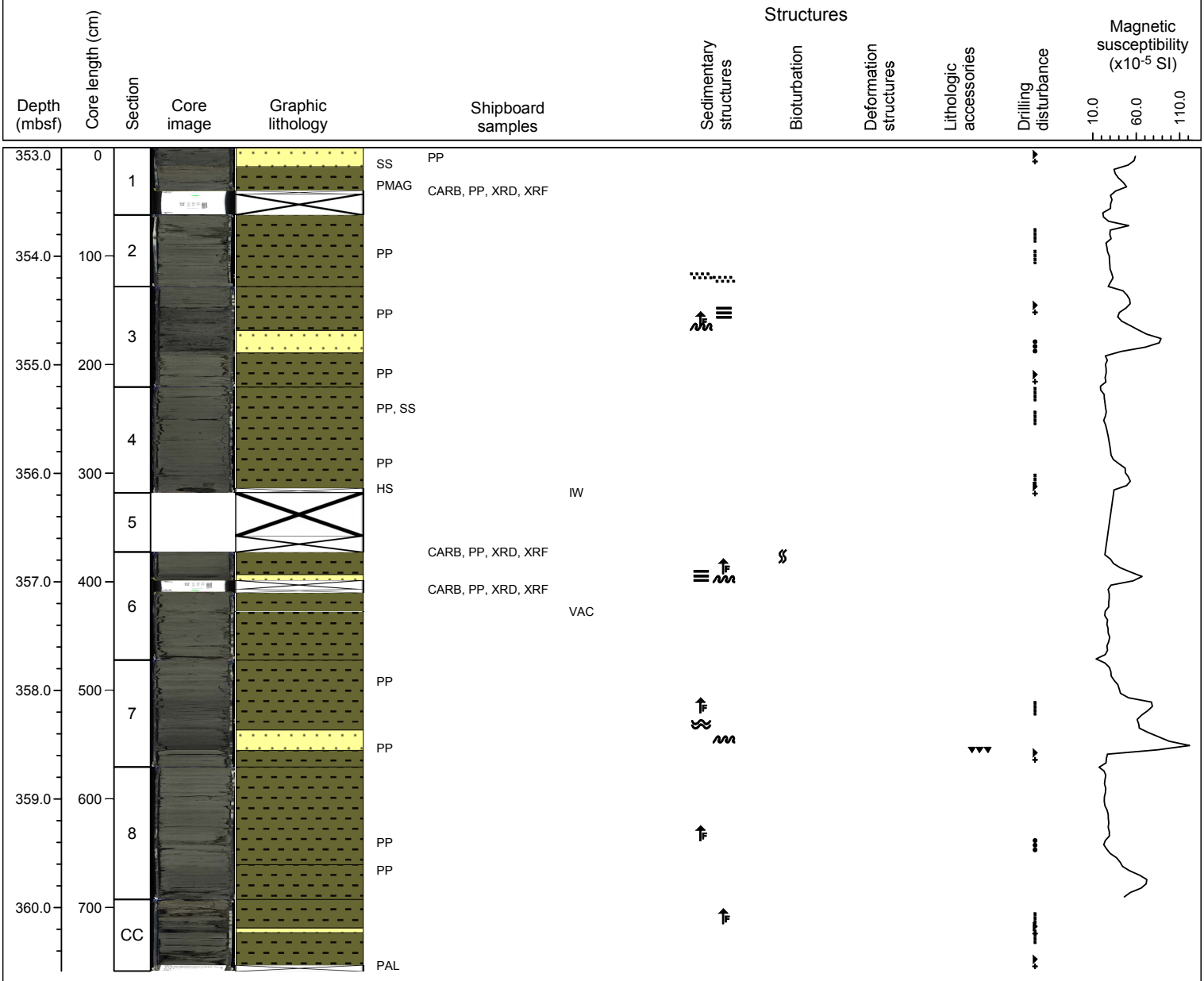
Hole C0002L Core 8X, interval 343.5-353 m (core depth below seafloor)

Dark olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



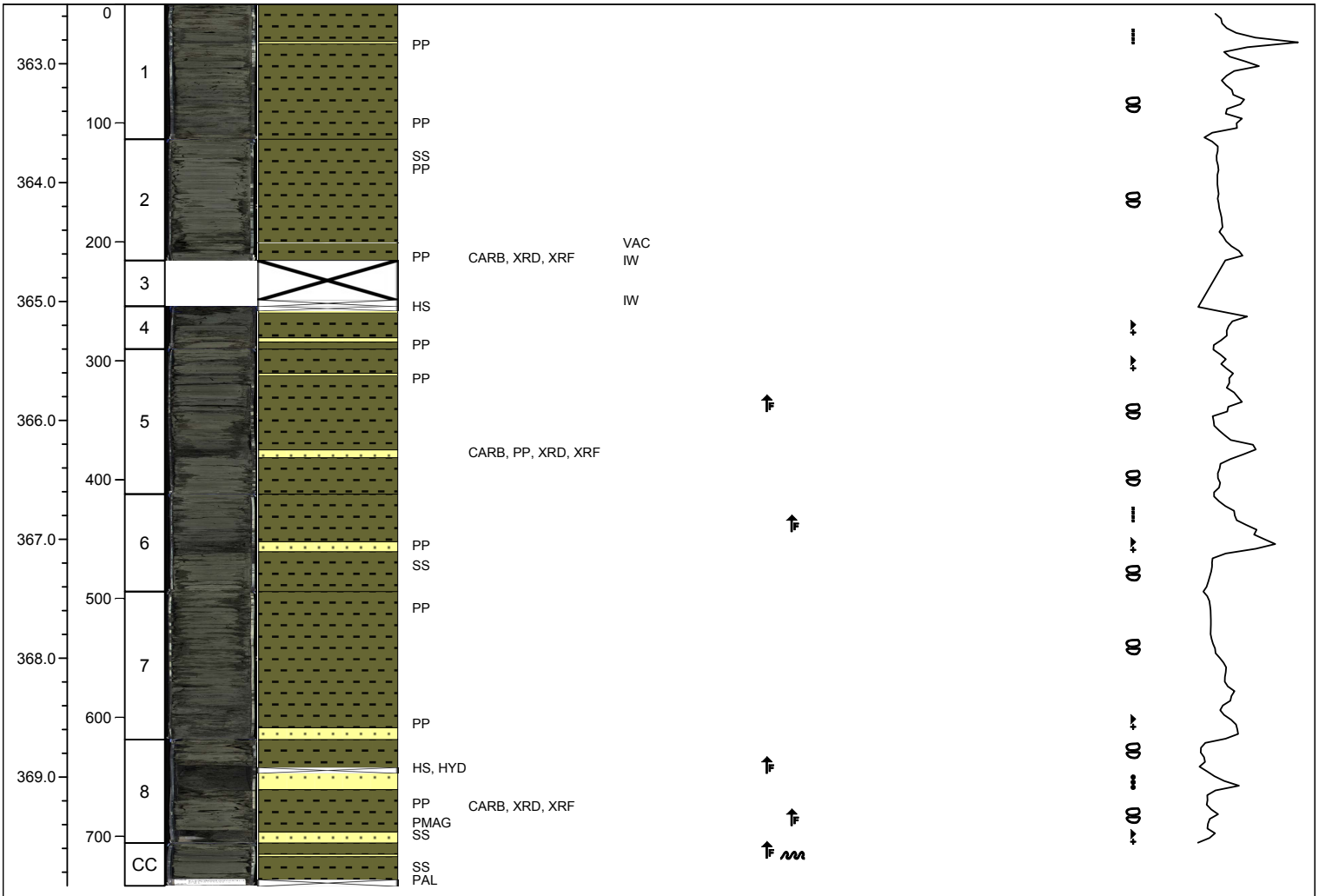
Hole C0002L Core 9X, interval 353-360.585 m (core depth below seafloor)

Greenish gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



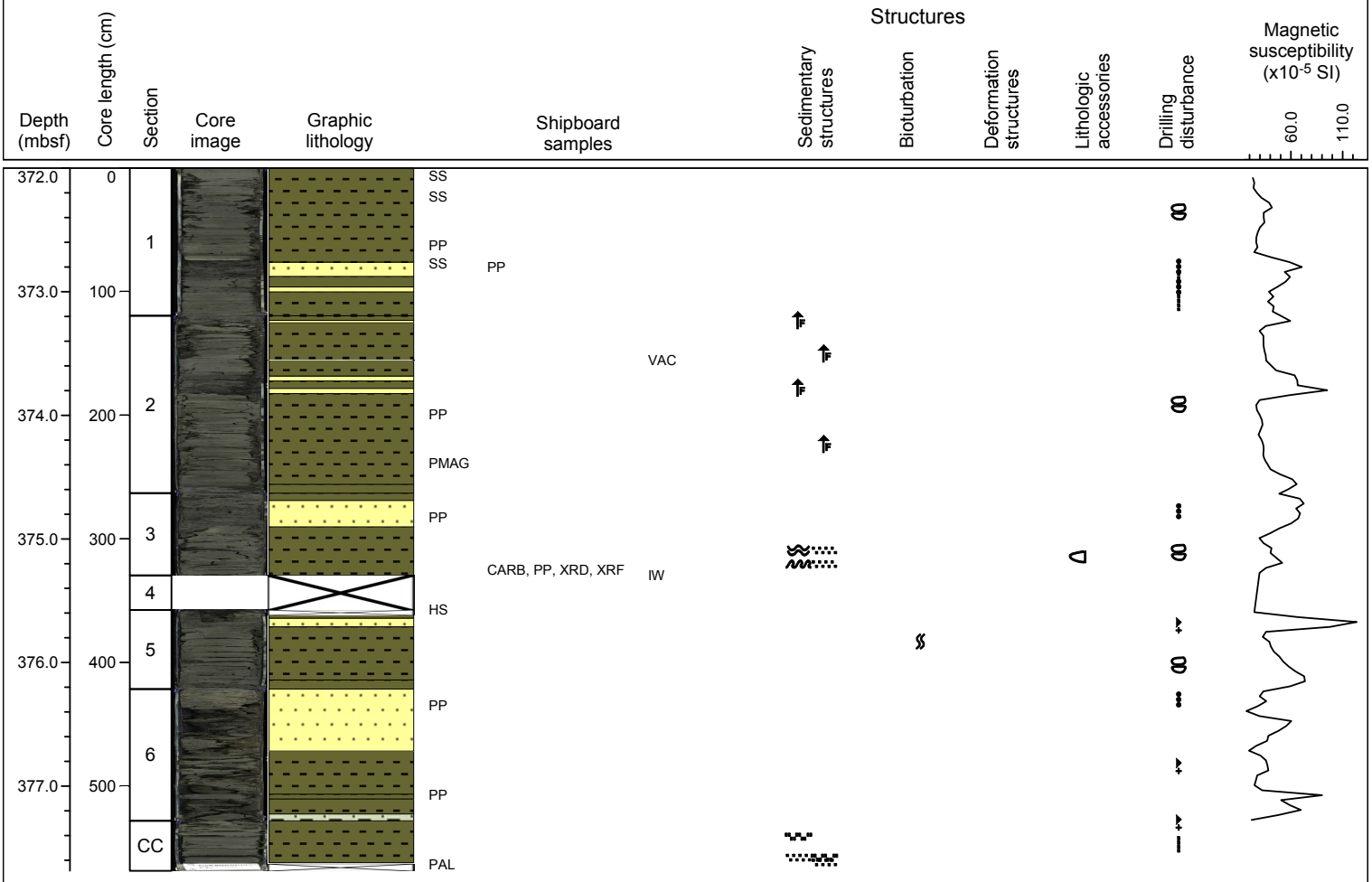
Hole C0002L Core 10X, interval 362.5-369.915 m (core depth below seafloor)

Dark olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



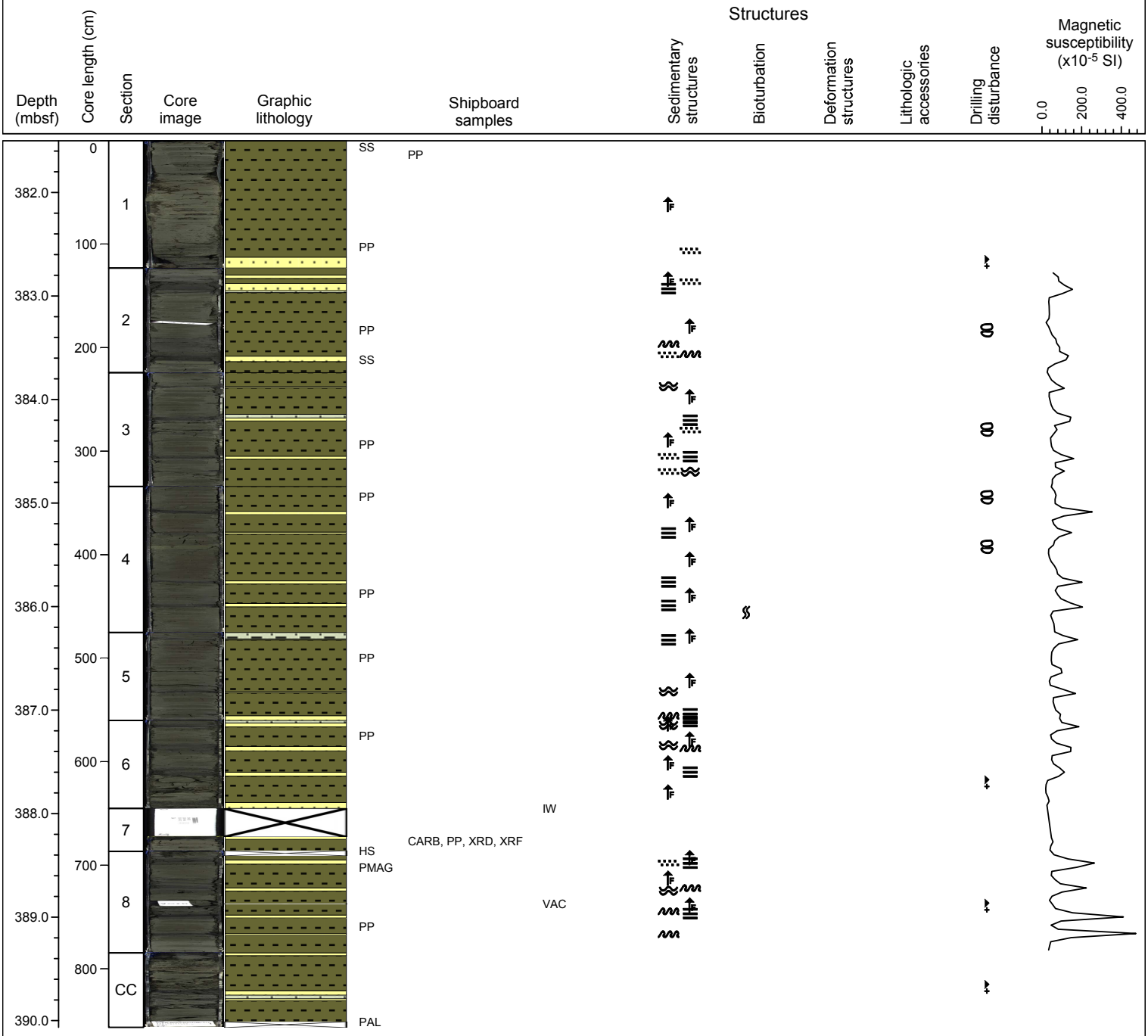
Hole C0002L Core 11X, interval 372-377.685 m (core depth below seafloor)

Dark olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



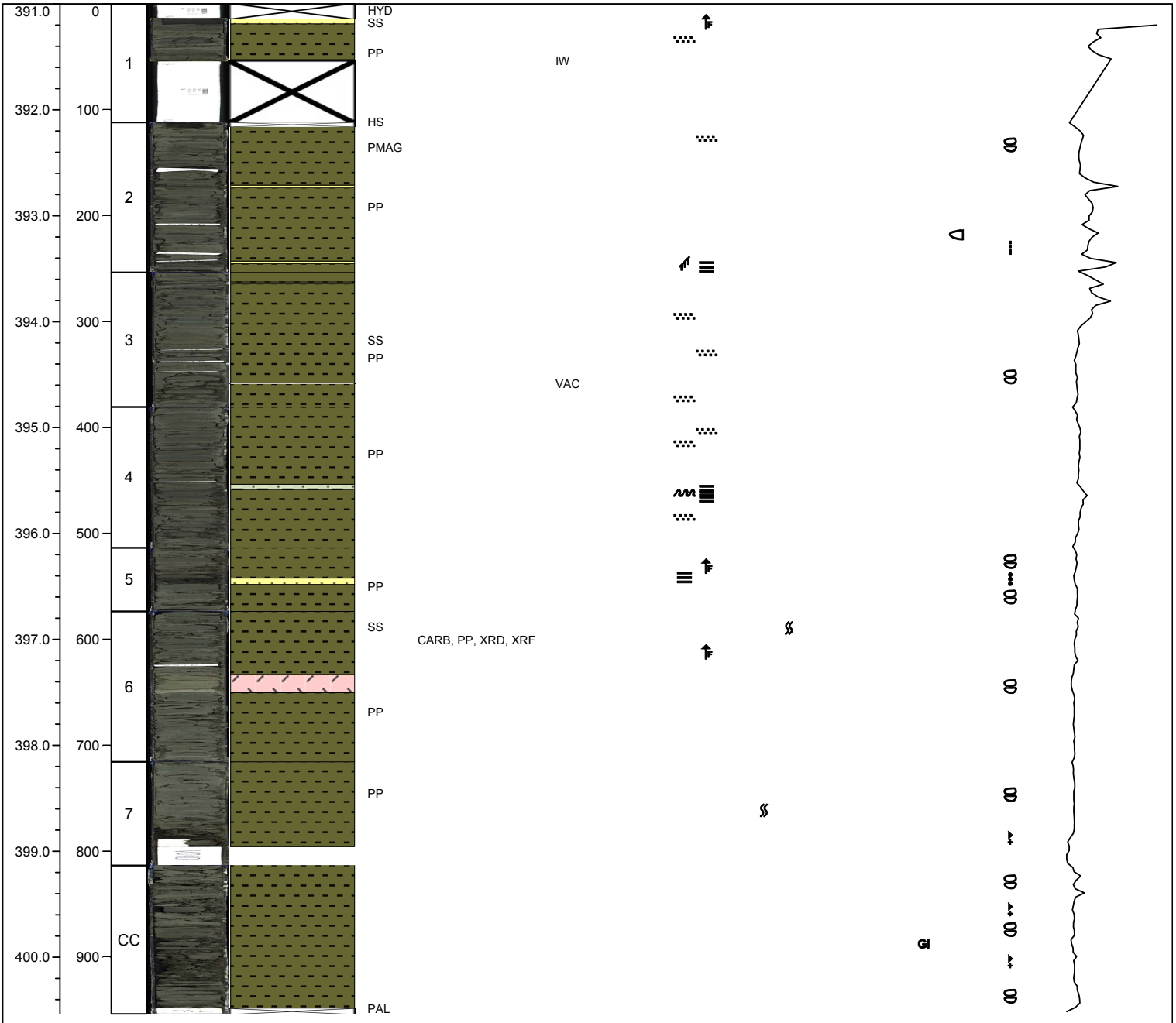
Hole C0002L Core 12X, interval 381.5-390.065 m (core depth below seafloor)

Olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



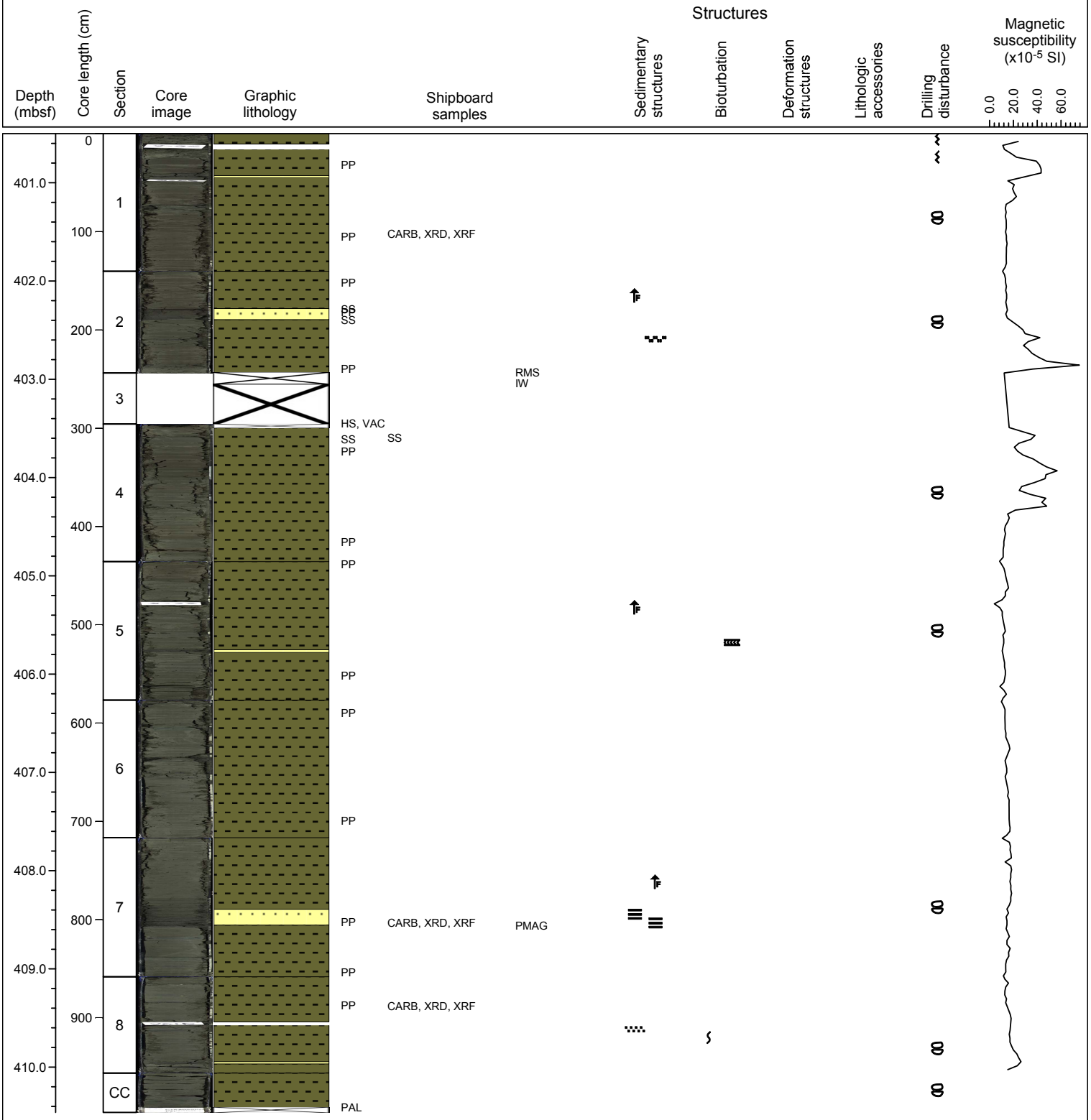
Hole C0002L Core 13X, interval 391-400.535 m (core depth below seafloor)

Olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.
An ash layer is recognized in Section 6.



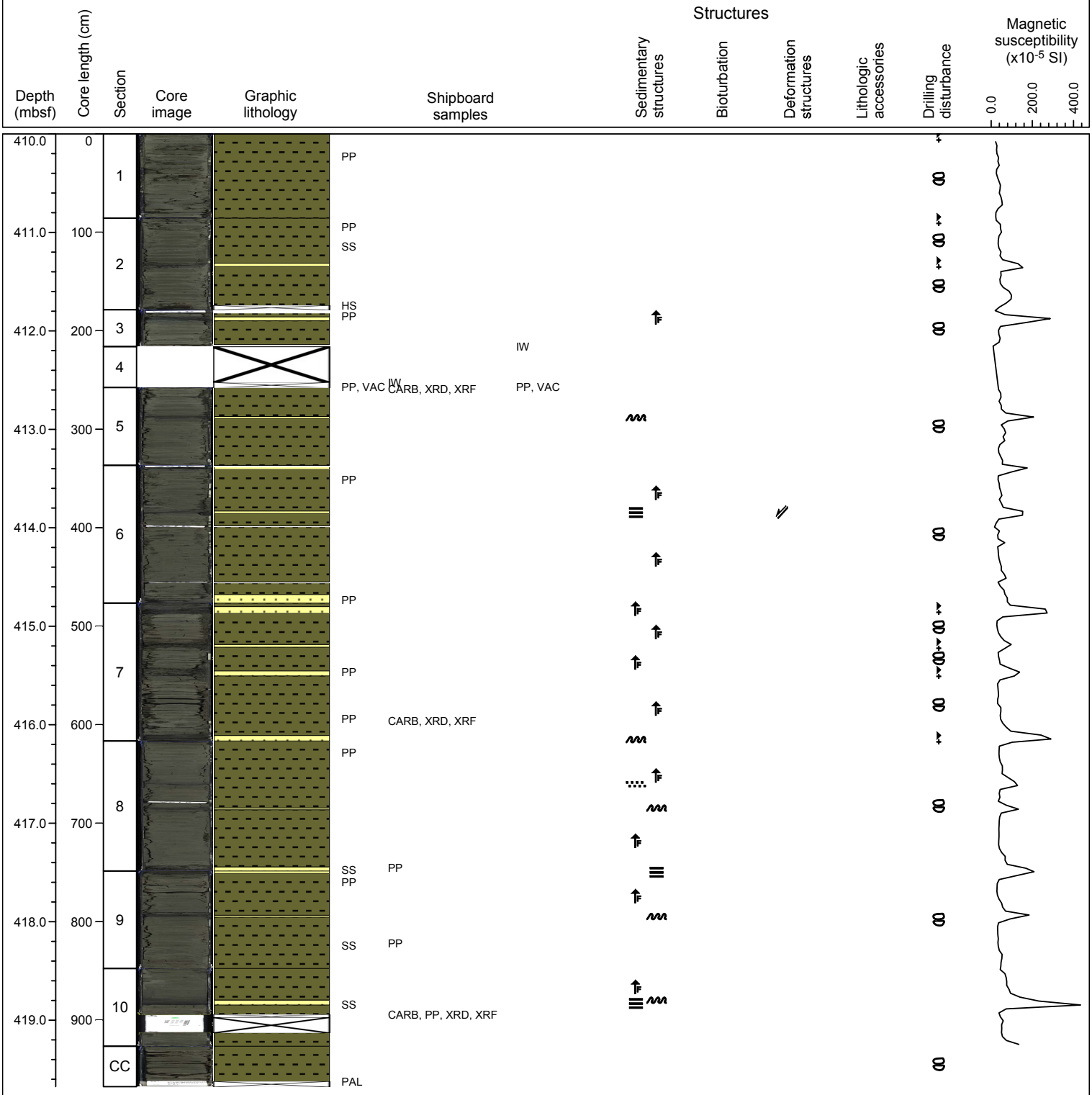
Hole C0002L Core 14X, interval 400.5-410.46 m (core depth below seafloor)

Dark olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



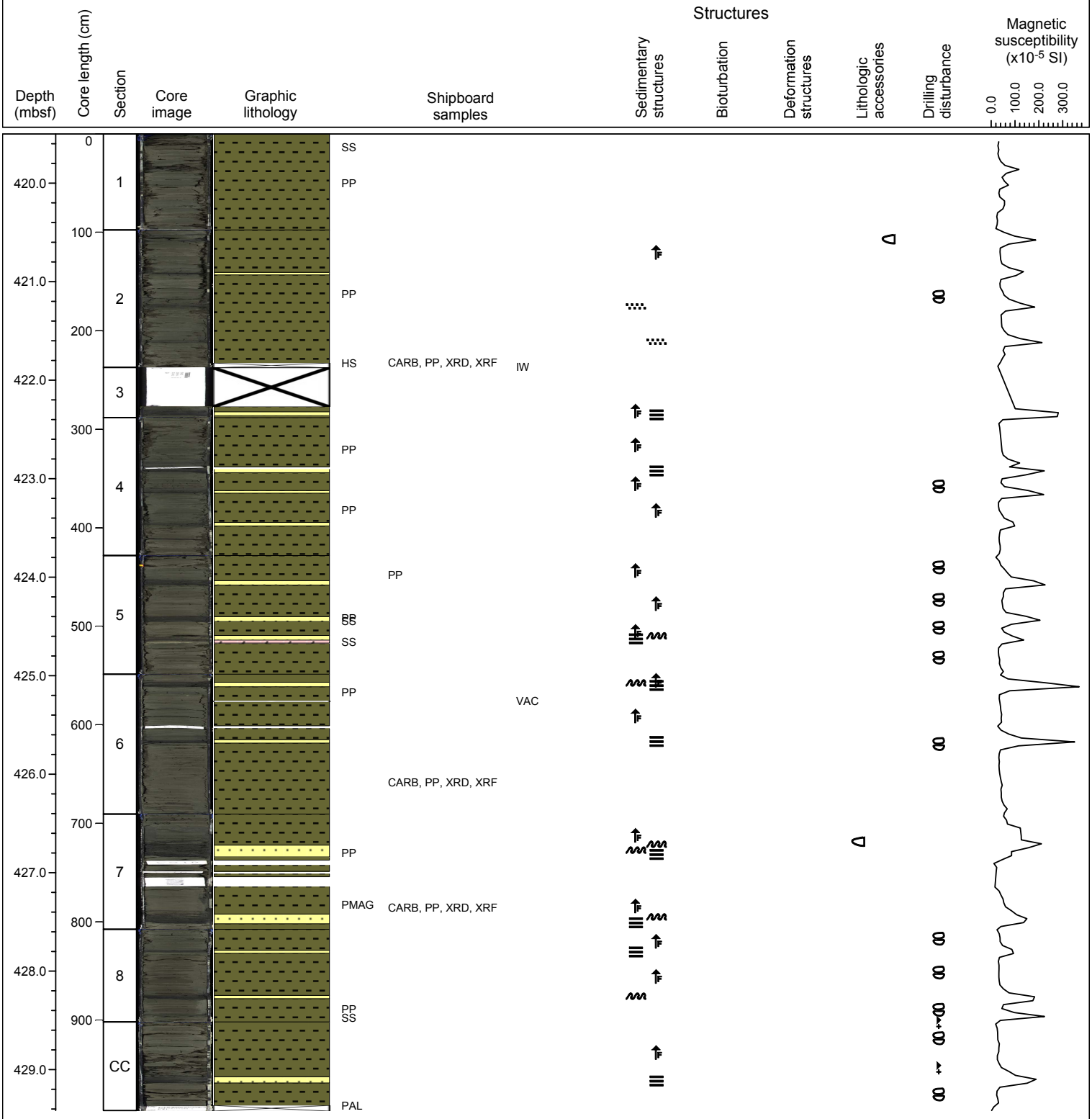
Hole C0002L Core 15X, interval 410-419.675 m (core depth below seafloor)

Dark olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



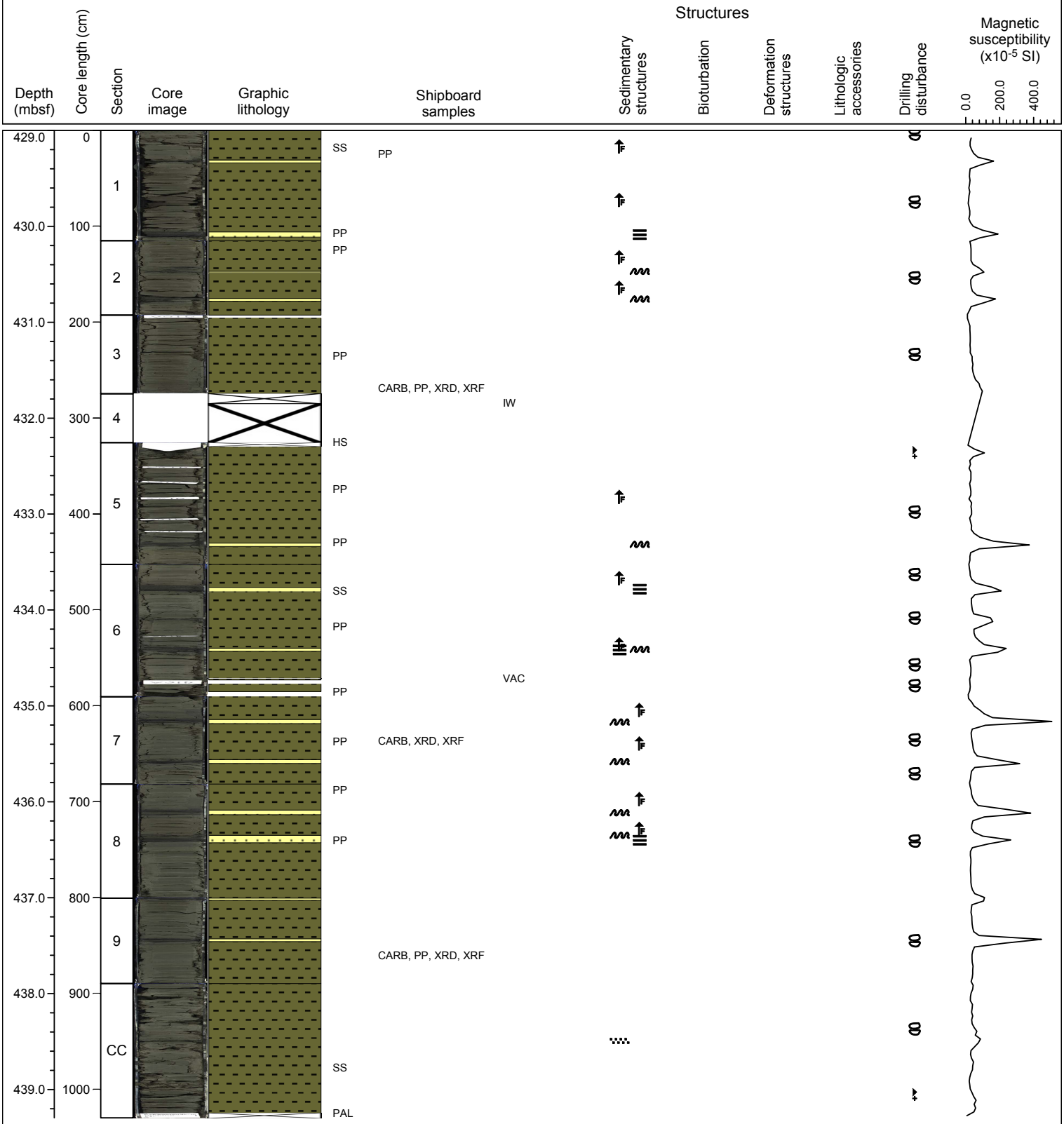
Hole C0002L Core 16X, interval 419.5-429.415 m (core depth below seafloor)

Dark olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



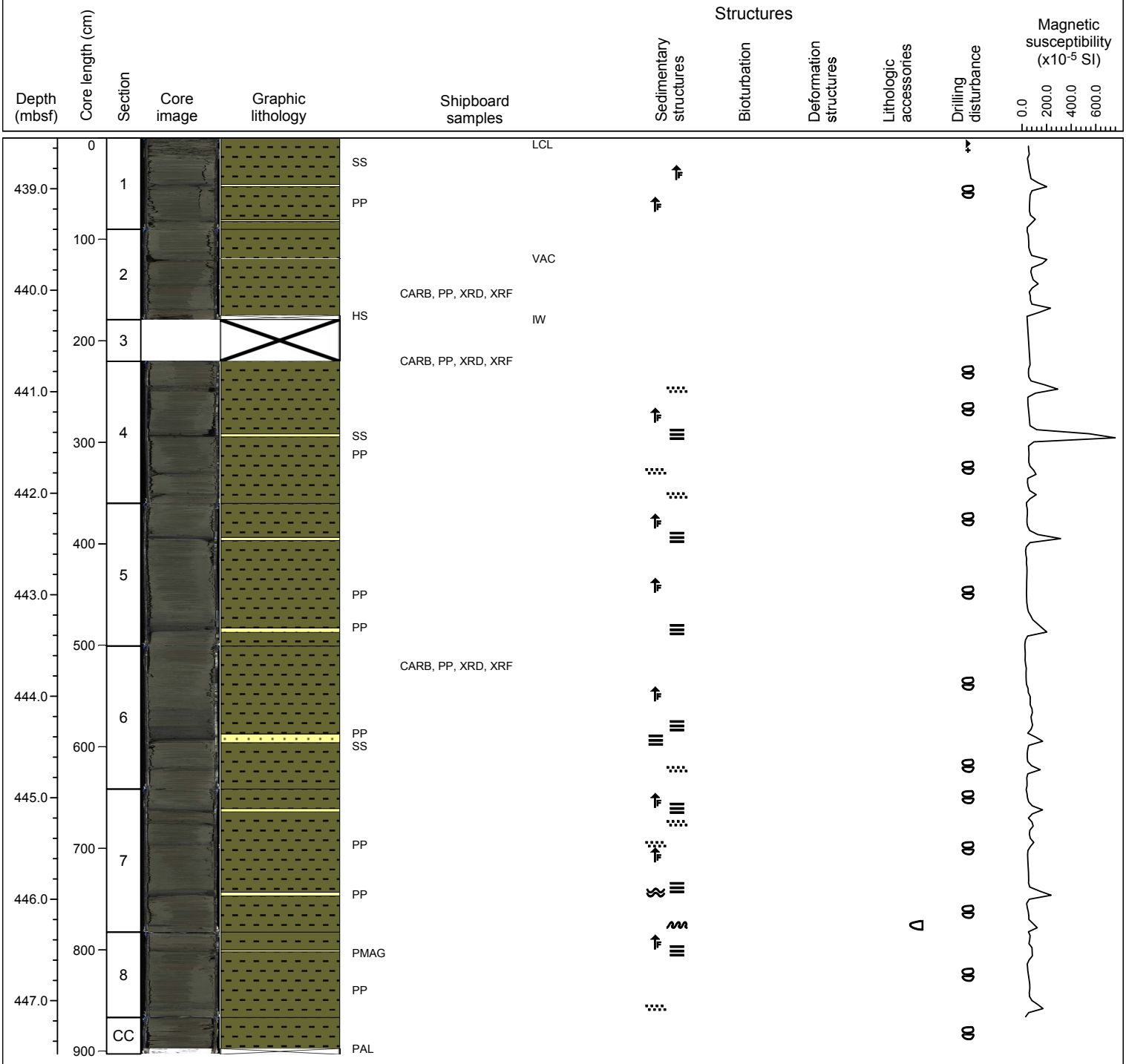
Hole C0002L Core 17X, interval 429-439.295 m (core depth below seafloor)

Dark olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



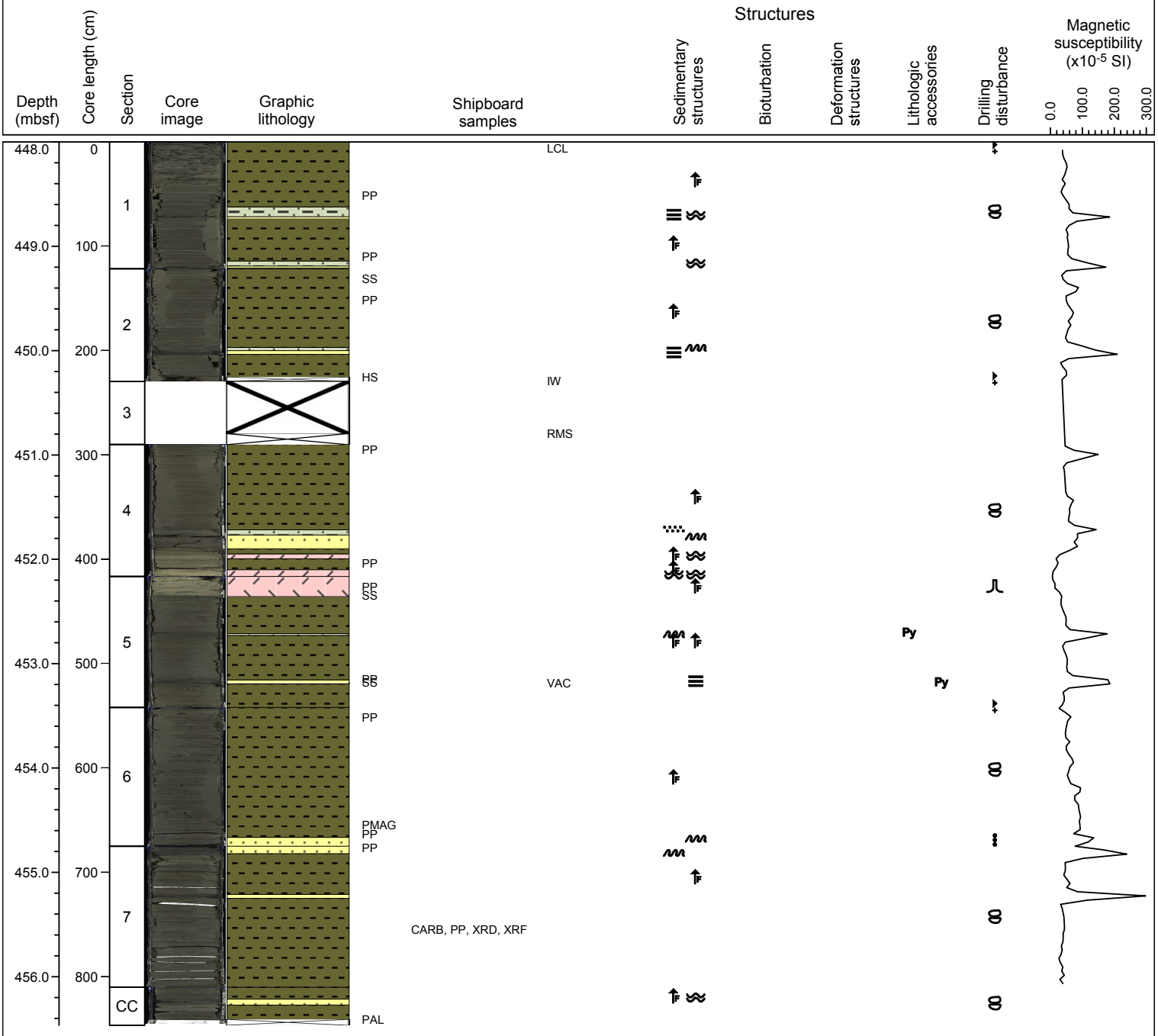
Hole C0002L Core 18X, interval 438.5-447.525 m (core depth below seafloor)

Olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.



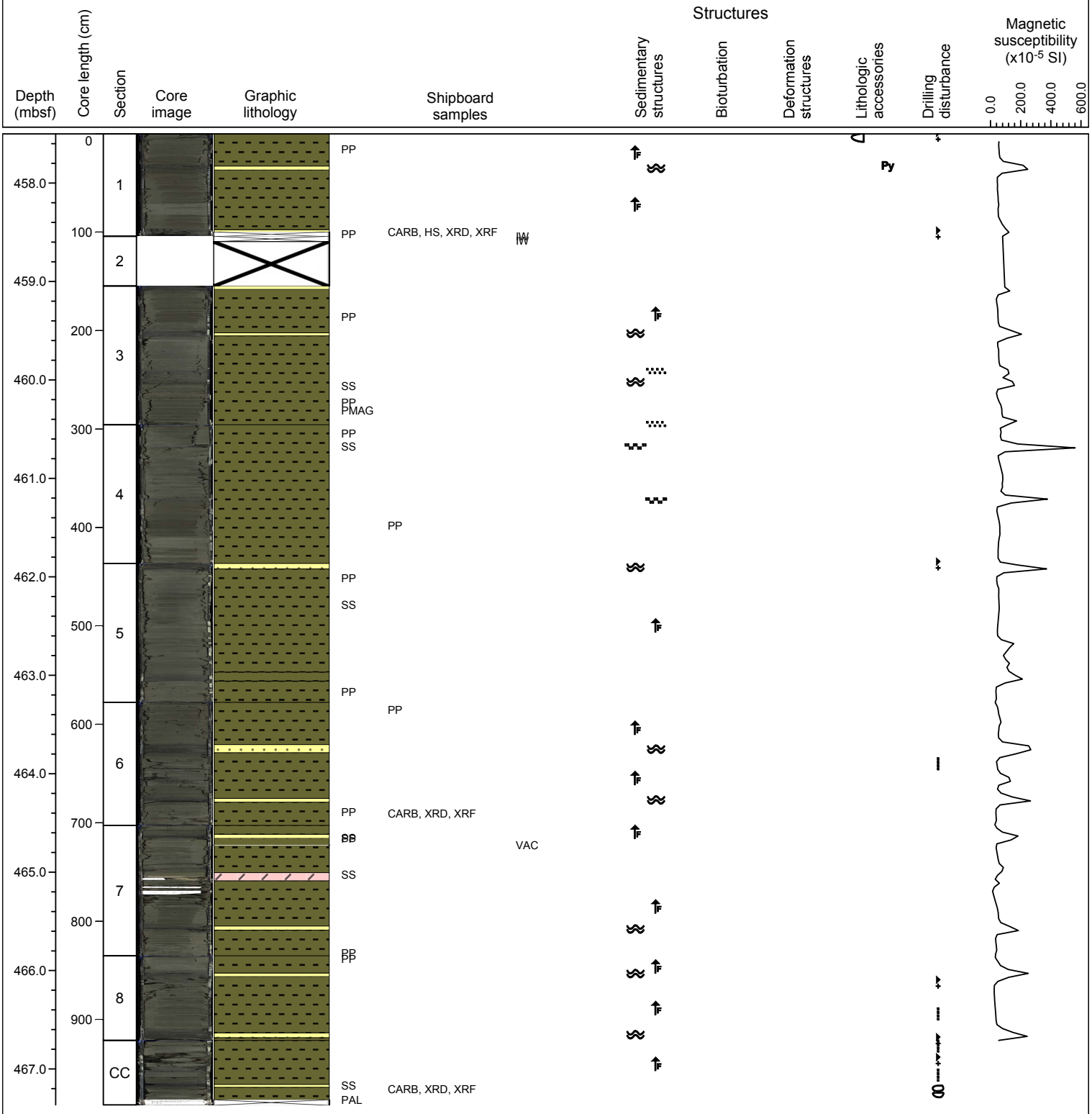
Hole C0002L Core 19X, interval 448-456.465 m (core depth below seafloor)

Olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.
Volcanic fine ash is observed in Sections 4 and 5.



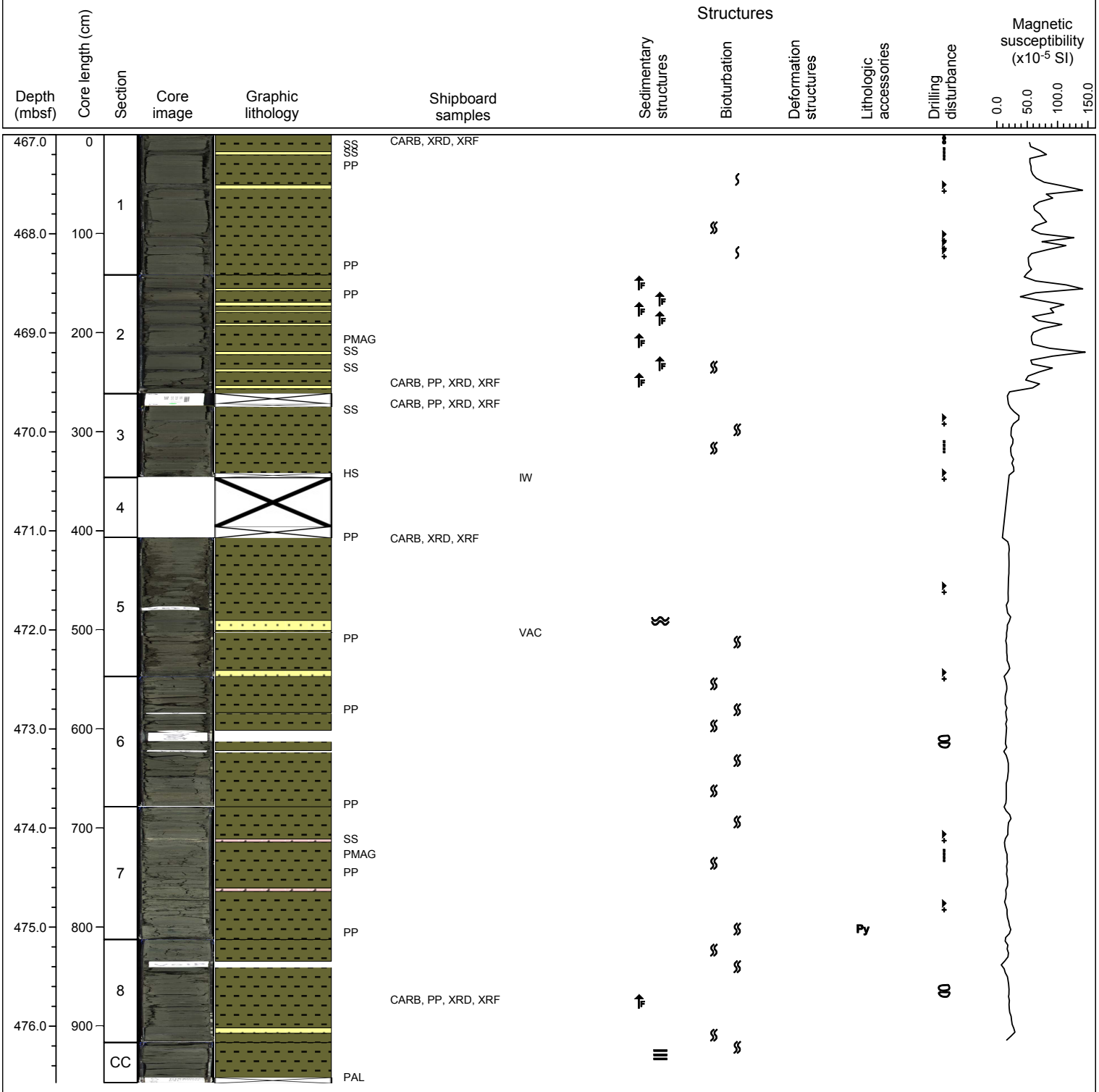
Hole C0002L Core 20X, interval 457.5-467.365 m (core depth below seafloor)

Dark olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.
An ash layer is observed in Section 7.



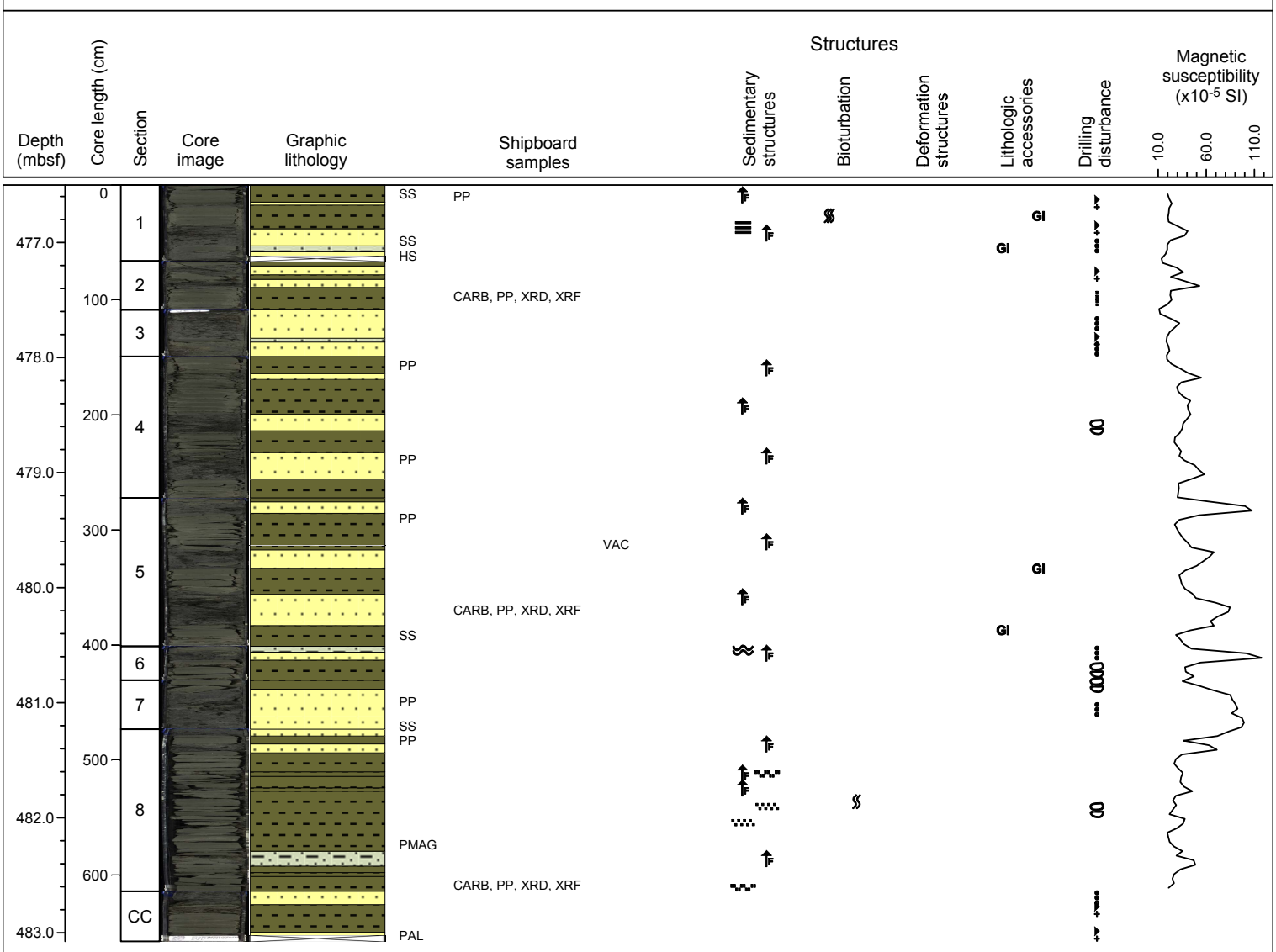
Hole C0002L Core 21X, interval 467-476.57 m (core depth below seafloor)

Olive gray silty clay with bioturbation (discrete burrows). Sand is the minor lithology, usually occurring at the base of fining upward packages. Section 7 contains an interval of volcanic fine ash. Glauconitic mottling was also observed.



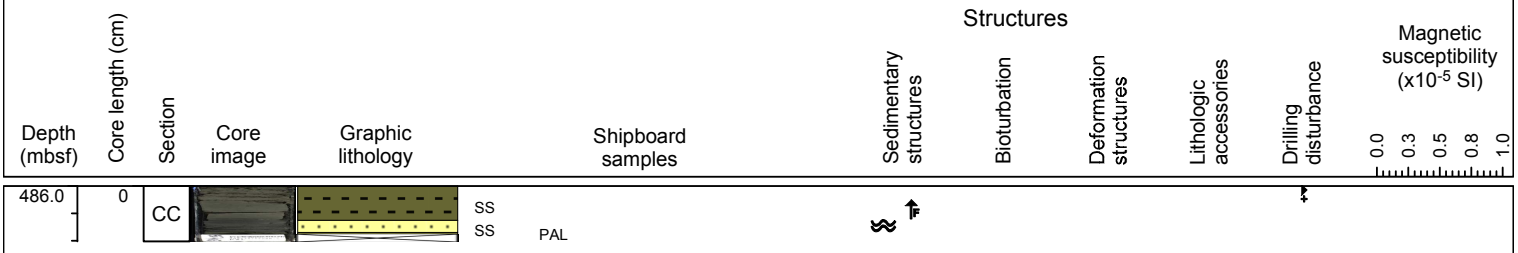
Hole C0002L Core 22X, interval 476.5-483.075 m (core depth below seafloor)

Dark greenish gray silty clay with bioturbation (discrete burrows) and glauconitic mottling.
Sand is the minor lithology, usually occurring at the base of fining upward packages.



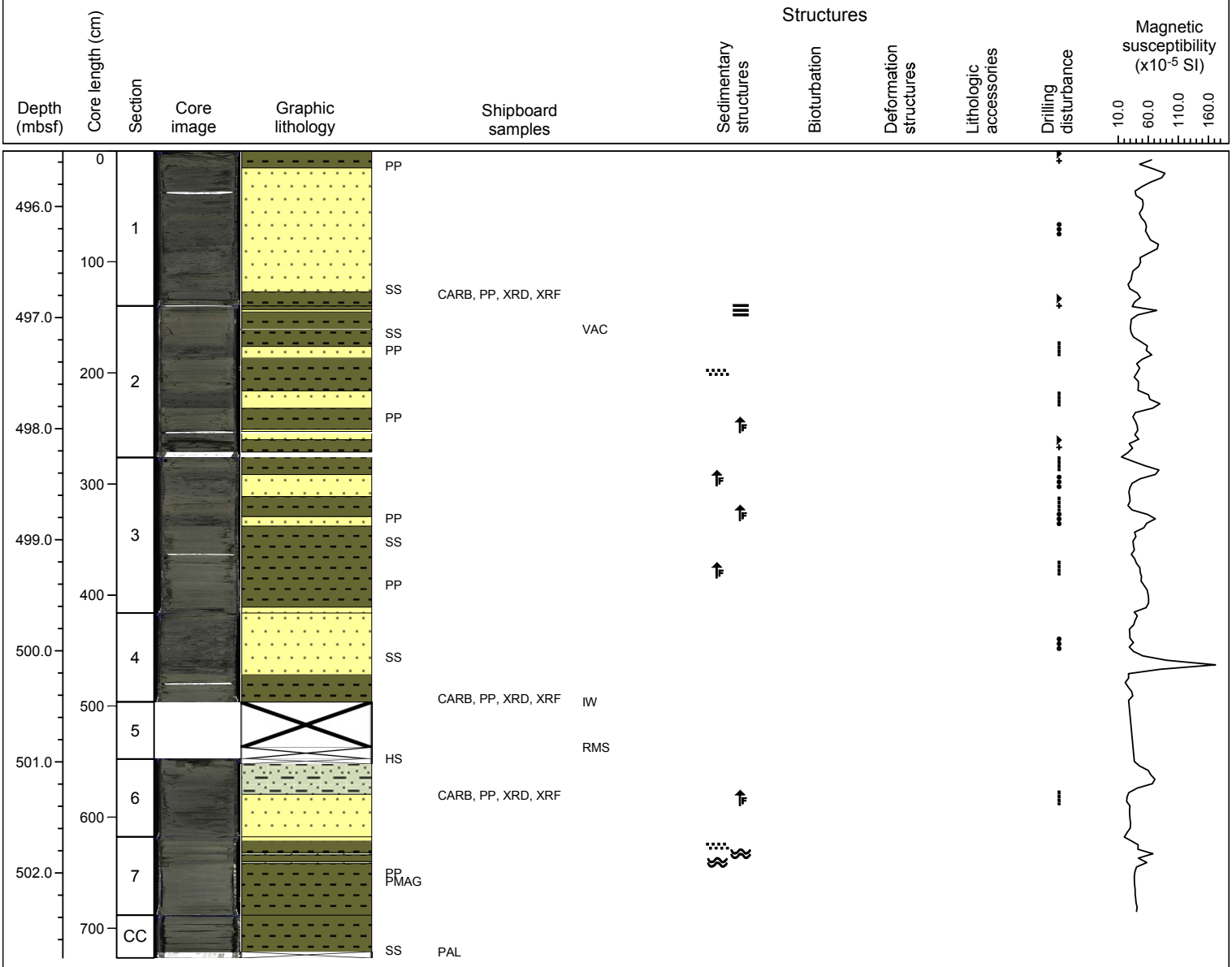
Hole C0002L Core 23X, interval 486-486.405 m (core depth below seafloor)

Dark olive gray silty clay. Sand is the minor lithology, occurring at the base of a fining upward package.
Most of the core was lost after an explosion caused by gas hydrates expansion.

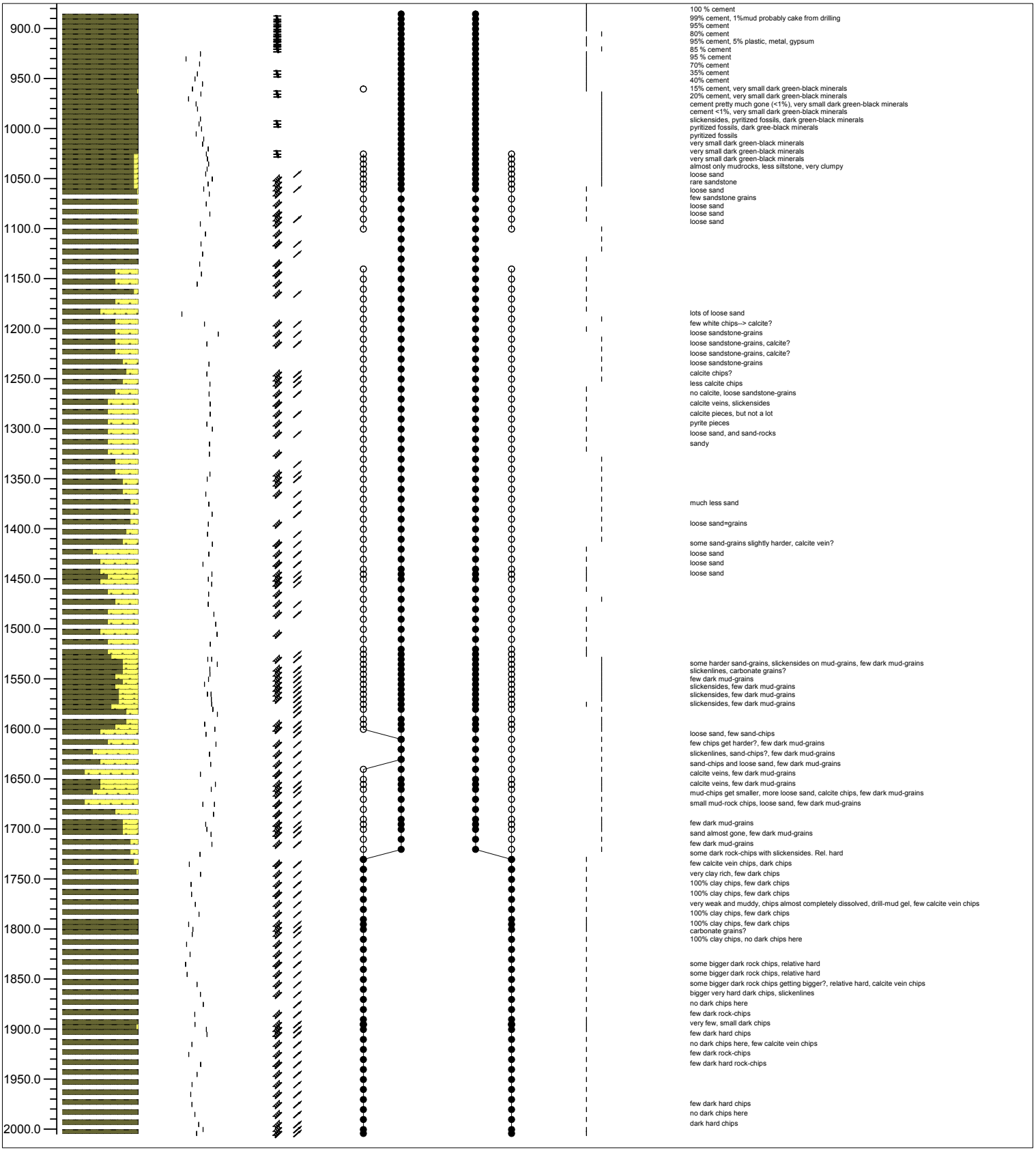


Hole C0002L Core 24X, interval 495.5-502.765 m (core depth below seafloor)

Olive gray silty clay. Sand is the minor lithology, usually occurring at the base of fining upward packages.

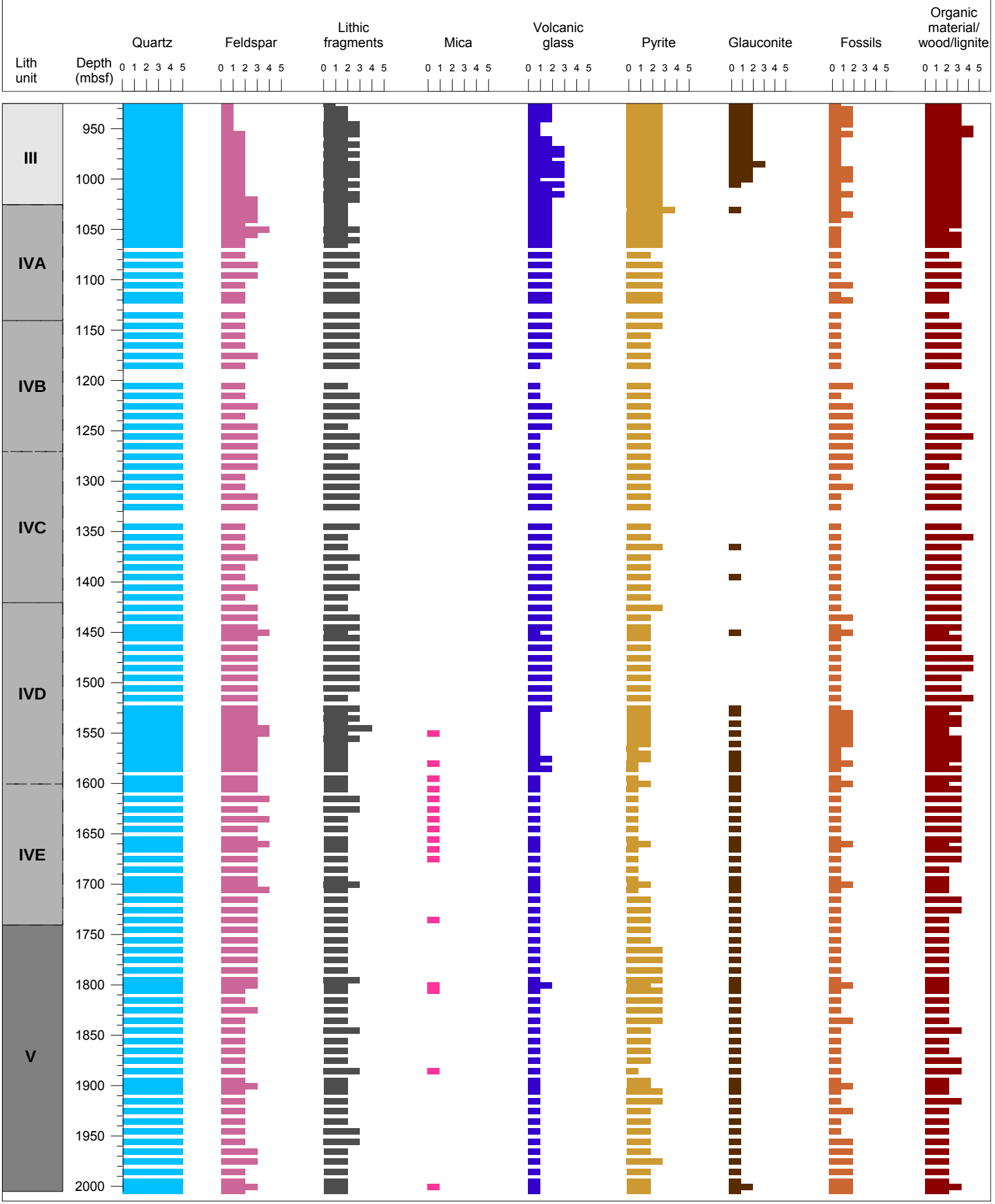


338-C0002F Visual Cuttings Description (Macroscopic), 875-2005 m (below sea floor)



Hole C0002F | Microscopic Cuttings Lithologic Components | Depth 925 - 2005 mbsf

0 Absent 1 Rare 2 Few 3 Common 4 Abundant 5 Dominant



Smear slides Hole C0002H (core)

				Texture (%)			Siliclastic Grain								Lithic Grains or Ash					Pelagic Grains							Authigenic				Comments
Hole-Core-Section	Int. (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Quartz	Feldspar	Mica Group	Opaque Min.	Glauconite	Clay Min.	Organic matter (detrital)	Heavy Min.	Sed. Lithic	Ign. Lithic	Meta. Lithic	Volcanic Lithic	Vol. Glass	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge spicules	Bioclast fragment	Clay Mins.	Zeolite	Pyrite (authigenic)	Other	[Legend] Ap: Apatite, Bt: Biotite, Chl: Chlorite, Cpx: Clinopyroxene, Cum: Cumingtonite, Fel: Feldspar, Hbl: Hornblende, OM: Organic mattter, Opx: Orthopyroxene, Pyr: Pyrite, Zr: Zircon
C0002H-1R-1	14.0	1100.64	silty claystone	1	29	70	C	C				D		P									R		R						dominant lithology; blue tourmaline
C0002H-1R-1	45.0	1100.95	silty claystone	2	28	70	C	C				A								A								C			well-preserved nannofossils
C0002H-1R-1	48.0	1100.98	silty sandstone	60	40	0	A	A						C	A		A											C			
C0002H-1R-1	92.0	1101.42	sandy siltstone	30	70	0	A	A						C	C													F			
C0002H-1R-1	102.0	1101.52	silty claystone	0	25	75	A	A				D								A						F					prominent on CT image; possible microcrystalline dolomite
C0002H-1R-1	104.0	1101.54	silty claystone	0	25	75	A	A				D	F							C						F					did not disaggregate well
C0002H-1R-1	129.0	1101.79	silty claystone	0	35	65	A	A				D								C						C		F			
C0002H-1R-2	38.0	1102.29	sandy siltstone	30	70	0	A	A						C	F													C			
C0002H-2R-1	15.0	1110.65	silty claystone	0	25	75	A	A				D		R						C											
C0002H-2R-1	28.0	1110.78	claystone	0	20	80	C	C				D							C	A											mottles within dominant silty claystone
C0002H-2R-1	44.0	1110.94	silty sandstone	70	30	0	A	A		C				C			C														
C0002H-2R-3	20.0	1111.38	sandy siltstone	25	75	0	A	A		C			C				C				R										
C0002H-2R-3	70.0	1111.88	silty sandstone	60	35	5	A	A				C		C			C												F		dark gray laminae within silty claystone, concentrated terretrial OM
C0002H-2R-3	80.0	1111.98	silty claystone	2	23	70	A	A				D		F						C						C			F		
C0002H-2R-3	124.0	1112.42	silty claystone	3	22	75	A	A	F			D								C									C		

D: dominant (>50%), A: abundant (>10-50%), C: common (>1-10%), F: few (>0.1-1%), R: rare (<0.1 %)

Smear slides Hole C0002J (core)

				Texture (%)			Siliciclastic Grain								Lithic Grains or Ash					Pelagic Grains							Authigenic				Comments
Hole-Core-Section	Int. (cm)	Depth (CSF-A)	Lithology	Sand	Silt	Clay	Quartz	Feldspar	Mica Group	Opaque Min.	Glauconite	Clay Min.	Organic matter (detrital)	Heavy Min.	Sed. Lithic	Ign. Lithic	Meta. Lithic	Volcanic Lithic	Vol. Glass	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge spicules	Bioclast fragment	Clay Mins.	Zeolite	Pyrite (authigenic)	Other	[Legend] Ap: Apatite, Bt: Biotite, Chl: Chlorite, Cpx: Clinopyroxene, Cum: Cumingtonite, Fel: Feldspar, Hbl: Hornblende, OM: Organic mattter, Opx: Orthopyroxene, Pyr: Pyrite, Zr: Zircon
C0002J-1R-1	10.0	902.10	silty claystone	0	25	75	A	A				A		F						A	F				F	F					
C0002J-1R-1	19.0	902.19	silty claystone	0	25	75	A	A				D							F	C					F						dark bed-parallel lamina-uncertain: bed us shear band
C0002J-1R-1	56.0	902.56	fine ash	0	95	5	C	C				F							D												Colorless unaltered glass
C0002J-1R-4	9.0	903.24	silty claystone	1	24	75	A	A				A							F	A					F	F			F		dark bed-parallel band. Depositional or deformational?
C0002J-1R-7	95.0	904.76	silty claystone	2	23	75	A	A				A							C	A						C					
C0002J-2R-1	5.0	907.05	very fine silty sandstone	60	40	0	A	A	F	C				C	C		C		C						F	F					some brown and green glass; most clear and unaltered
C0002J-2R-1	55.0	907.55	silty claystone	0	25	75	C	C				A							C	A						C					
C0002J-3R-1	7.0	912.07	silty claystone	5	35	60	A	A				A							A	A	F			F	F	C					mostly clear glass, some brown
C0002J-3R-1	41.0	912.41	silty claystone	10	35	55	A	A			C	A							C	A						C					from layer with obvious glauconite grains
C0002J-3R-6	12.0	913.96	silty claystone	0	25	75	A	A				D							C	C						C					
C0002J-3R-6	33.0	915.58	silty claystone	0	30	70	A	A				A							C	A					F	C					greenish band
C0002J-4R-3	5.0	917.81	silty claystone	0	35	65	A	A				A							C	C					F	C			F		notable increasing abundance of biosiliceous debris; rather comminuted
C0002J-4R-4	3.0	919.17	silty claystone	0	45	55	A	A				A							C	A		F			F	C			C		dark fragments - large granules. Not clear why this lithology forms fragments, there is no obvious cement
C0002J-4R-4	66.0	919.80	silty claystone	0	35	65	A	A				A							F	A					F	C					greenish layer with glauconite sand granules
C0002J-4R-4	67.0	919.81	silty claystone	0	25	75	A	A				D								C									C		black granule-> pale green color suggests a glauconized silty claystone
C0002J-4R-5	36.0	920.89	epiclastic silty claystone	10	35	55	C	C				A						C	C	C		C	C		C	C			C		VRF=basaltic lithics. Dark lithology, patchy distribution. Includes pumice, brown glass and microlitic VRFs.
C0002J-5R-1	10.0	922.10	silty claystone	0	25	75	C	C				D							C	A					F	C					
C0002J-5R-3	0.0	922.77	fine ash	20	80	0	C	C											D												
C0002J-5R-6	20.0	923.38	silty claystone	0	35	65	A	A				A							C	A			C		C	C					
C0002J-5R-6	81.0	923.99	silty claystone	0	25	75	C	C				D							C	C			C		C				C		wavy clay laminae -> microbial mats?
C0002J-5R-7	21.0	924.59	fine ash	20	80	0	C	C											D										C		1 cm patch with Pyr rim -> burrow fill?
C0002J-5R-8	90.0	926.58	sandy silty claystone	20	35	45	A	A		C	F	A								C									C		did not disaggregate well. There is possibly more glauconite
C0002J-5R-8	106.0	926.74	silty claystone	2	25	73	A	A				D	F	R						C						F			F		first clay of distinctively lower carbonate. No glauconite, little glass
C0002J-5R-8	110.0	926.78	silty sandstone	70	20	10	A	A				C					C														admixed claystone pieces?
C0002J-5R-8	124.0	926.92	clayey silty sandstone	50	30	20	A	A	F			A		C			A		F						F				F		very diverse dense mineral assemblage. Blue ones?
C0002J-5R-CC	2.0	927.01	sandstone	100	0	0	A	A		C				C			C														
C0002J-6R-1	20.0	927.20	sandy claystone (micrite)	30	0	70	A	A																							70% micrite. Many undisaggregated chunks of micritic sandstone
C0002J-6R-1	30.0	927.30	silty sandstone	75	20	5	A	A				C		F															F		clay admixed by drilling?
C0002J-6R-CC	6.0	928.03	silty sandstone	70	30	0	A	A						C			A												C		
C0002J-7R-1	26.0	932.26	clayey volcaniclastic siltstone	0	60	40	C	C				A							A	C						C					
C0002J-7R-1	50.0	932.50	volcanic sandstone	85	15	0	A	A	C	F				F					C											granules of extremely bubbly pumice
C0002J-7R-1	92.0	932.92	silty claystone	0	25	75	A	A				D								C											
C0002J-7R-2	45.0	933.45	silty claystone	0	40	60	A	A				D							C										C		

D: dominant (>50%), A: abundant (>10-50%), C: common (>1-10%), F: few (>0.1-1%), R: rare (<0.1 %)

Smear slides Hole C0002K (core)

				Texture (%)			Siliclastic Grain								Lithic Grains or Ash					Pelagic Grains							Authigenic				Comments
Hole-Core-Section	Int. (cm)	Depth (CSF-A)	Lithology	Sand	Silt	Clay	Quartz	Feldspar	Mica Group	Opaque Min.	Glauconite	Clay Min.	Organic matter (detrital)	Heavy Min.	Sed. Lithic	Ign. Lithic	Meta. Lithic	Volcanic Lithic	Vol. Glass	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge spicules	Bioclast fragment	Clay Mins.	Zeolite	Pyrite (authigenic)	Other	[Legend] Ap: Apatite, Bt: Biotite, Chl: Chlorite, Cpx: Clinopyroxene, Cum: Cumingtonite, Fel: Feldspar, Hbl: Hornblende, OM: Organic mattter, Opx: Orthopyroxene, Pyr: Pyrite, Zr: Zircon
C0002K-1H-1	10.0	200.10	silty clay	3	40	57	A	A				A	F							A		C			C	C					
C0002K-1H-2	74.0	202.08	silty clay	0	20	80	C	C				A								C		A	C	C	C	C					
C0002K-1H-4	77.0	203.66	silty sand	55	35	10	A	A						F			C		C	C	A	C			C						diverse dense mineral assemblage. Blue amphiboles.
C0002K-1H-4	90.0	203.79	silty clay	2	28	70	C	C				A								A		A	C	C	C	C					
C0002K-1H-5	30.0	204.59	sandy silt	40	50	10	A	A				C								C		F	F	F	F	C					
C0002K-2H-1	44.0	204.94	silty clay	5	25	70	C	C				A							C	A		C	C	C	C	C					
C0002K-2H-1	62.0	205.12	fine ash	60	40	0	C	C											D		R										
C0002K-2H-CC	10.0	205.38	coarse ash	90	10	0	C	C											D		R										
C0002K-3T-1	47.0	205.97	silty clay	0	35	65	C	C				A	F							A					F	C			F		
C0002K-3T-2	41.0	206.81	silty clay	0	30	70	C	C				A	F							A					F	C			F		
C0002K-3T-2	60.0	207.00	silty clay	0	25	75	C	C				A	R							A					C	C			F		
C0002K-3T-4	60.0	209.08	silty clay	0	45	55	A	A				A	F	F						A					F				F		
C0002K-3T-4	85.0	209.33	sand	100	0	0	A	A		C							A												C		
C0002K-4T-1	11.0	215.11	fine sand	100	0	0	A	A		A					C		A														
C0002K-4T-1	34.0	215.34	silty clay	0	25	75	A	A				A	R							A			R		R	C					
C0002K-4T-4	82.0	216.94	sand	100	0	0	A	A							C		A														
C0002K-5T-1	50.0	220.50	fine sand	100	0	0	A	A		C							A														
C0002K-5T-3	35.0	222.07	fine ash	20	70	0		C	C					C					D												
C0002K-5T-3	40.0	222.12	cocolith-ooze	0	25	75	C	C				A								D		F	F	F	F	C					
C0002K-5T-3	86.0	222.58	silty clay	0	30	70	C	C				A								A		C	F	F	F	C					
C0002K-6T-3	21.0	231.49	sand	100	0	0	A	A		A					C		A														
C0002K-6T-4	45.0	232.10	silty clay	0	30	70	A	A	F			A	F							A					F	F					
C0002K-6T-4	109.0	232.74	silty sand	70	30	0	A	A					F		C		A		F										F		
C0002K-7X-1	21.0	239.21	silty clay	0	30	70	A	A				A	F							A					F	C					
C0002K-7X-2	16.0	239.76	clayey silt	10	50	40	A	A				A					C			C											
C0002K-7X-3	35.0	240.56	silty sand	70	30	0	A	A		C							A				F										
C0002K-7X-4	40.0	241.20	fine ash	85	15	0								F				C	D												
C0002K-8X-3	117.0	251.57	sand	90	10	0	A	A	F					F			A				C					C			F		
C0002K-8X-4	80.0	252.45	silty clay	5	30	65	A	A				A							C	A		F				F			F		
C0002K-9X-1	20.0	258.20	sandy silty clay	10	40	50	A	A				A	F							C		F			F	C			F		
C0002K-9X-2	40.0	259.41	silty clay	0	25	75	A	A				D	F							A		F			F	F					
C0002K-9X-2	80.0	259.81	silty clay	0	30	70	A	A				D	F							C									F		
C0002K-9X-4	45.0	260.84	fine sand	95	5	0	A	A						R			A		C										F		
C0002K-10X-1	37.0	267.87	silty sand	75	20	5	A	A		C							A			C									C		
C0002K-10X-3	30.0	268.49	silty clay	0	25	75	A	A				D	R							C		F									
C0002K-10X-CC	16.0	274.38	fine ash	40	60	0													D												beautiful clear glass
C0002K-11X-3	47.0	278.20	silty clay	0	25	75	A	A				D	F							C		R				F					
C0002K-11X-3	85.0	278.58	silty clay	0	30	70	A	A				D								C											
C0002K-11X-4	80.0	280.02	sand	100	0	0	A	A		C					C		A														

D: dominant (>50%), A: abundant (>10-50%), C: common (>1-10%), F: few (>0.1-1%), R: rare (<0.1 %)

Smear slides Hole C0002L (core)

				Texture (%)			Siliclastic Grain								Lithic Grains or Ash					Pelagic Grains							Authigenic				Comments
Hole-Core-Section	Int. (cm)	Depth (CSF-A)	Lithology	Sand	Silt	Clay	Quartz	Feldspar	Mica Group	Opaque Min.	Glauconite	Clay Min.	Organic matter (detrital)	Heavy Min.	Sed. Lithic	Ign. Lithic	Meta. Lithic	Volcanic Lithic	Vol. Glass	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge spicules	Bioclast fragment	Clay Mins.	Zeolite	Pyrite (authigenic)	Other	[Legend] Ap: Apatite, Bt: Biotite, Chl: Chlorite, Cpx: Clinopyroxene, Cum: Cumingtonite, Fel: Feldspar, Hbl: Hornblende, OM: Organic mattter, Opx: Orthopyroxene, Pyr: Pyrite, Zr: Zircon
C0002L-1X-2	9.0	278.28	sand	80	10	10	A	A				C			C		A			C										
C0002L-1X-3	75.0	279.98	silty clay	0	25	75	A	A				D	F						C	C		F	F		F						
C0002L-1X-3	100.0	280.23	silty clay	0	30	70	A	A				D							C	C		F	F		F						
C0002L-3X-1	100.0	297.00	fine ash	10	70	20	C	C				A							D	C											
C0002L-3X-3	7.0	297.46	fine ash	10	80	10	C	C				C							D	C											
C0002L-3X-3	100.0	298.39	fine ash / volcaniclastic siltstone	40	40	20	C	C				A							D	C											
C0002L-3X-4	32.0	299.01	fine ash	30	70	0													D												
C0002L-3X-4	60.0	299.29	silty clay	0	30	70	A	A	F			D	F						C	C						C					
C0002L-4X-1	4.0	305.54	sand	85	15	0	A	A		A					C		A				C										
C0002L-4X-1	16.0	305.66	silty clay	0	25	75	A	A				A								A		C	F	F	F						
C0002L-4X-3	90.0	307.95	silty clay	0	20	80	A	A				D								C		C	F	F	F						
C0002L-4X-4	100.0	309.30	silty clay	0	30	70	A	A				D	R							C		C	C	F	C	F					
C0002L-4X-6	50.0	311.41	silty clay	0	30	70	A	A	R			D	F							C		C	C	F	C						
C0002L-4X-CC	30.0	314.26	sand	100	0	0	A	A	A	A					C		A		C		C										
C0002L-5X-1	30.0	315.30	silty clay	0	25	75	A	A				D	F						F	C						F			F		
C0002L-5X-4	20.0	317.90	silty clay	0	30	70	A	A				D	F						F			F				F			F		
C0002L-5X-6	50.0	320.49	sand	90	10	0	A	A	C					F			A		C		F										
C0002L-5X-8	40.0	322.25	silty clay	0	25	75	A	A				D								C											
C0002L-6X-1	15.0	324.65	silty clay	0	20	80	A	A				D	F									F							F		
C0002L-6X-5	16.0	327.61	sand	90	10	0	A	A		F				F	C		A		F												rare microlitic glass
C0002L-6X-5	115.0	328.60	silty clay	0	25	75	A	A				D							F	C											
C0002L-6X-7	36.0	330.26	fine ash	10	90	0	C	C											D												
C0002L-6X-9	100.0	333.42	silty clay	0	30	70	A	A				D	F							A		F	F	F	F						
C0002L-8X-2	30.0	344.11	sand	100	0	0	A	A							C		A														
C0002L-8X-2	99.0	344.80	silty clay	0	25	75	A	A				D	F							C		F	F								
C0002L-8X-5	20.0	346.90	silty clay	0	25	75	A	A				D	F							C											
C0002L-8X-5	90.0	347.60	silty clay	0	25	75	A	A				D	F							C											
C0002L-9X-1	15.0	353.15	silty sand	60	30	10	A	A				C	F	F			A			C					F						
C0002L-9X-4	20.0	355.41	silty clay	0	30	70	A	A	R			D	F							C	F					F					
C0002L-10X-2	14.0	363.78	silty clay (almost clay)	0	20	80	A	A				D	F							C									F		
C0002L-10X-6	60.0	367.22	clay	0	15	85	C	C				D								C											
C0002L-10X-8	80.0	369.49	sand	100	0	0	A	A							C		A		F		F										
C0002L-10X-CC	20.0	369.76	clay	0	15	85	C	C				D								C											
C0002L-11X-1	5.0	372.05	silty clay	0	20	80	A	A				D	F		C																
C0002L-11X-1	23.5	372.24	silty clay	0	5	90	C	C				A																			yellow-green lithology. Anhedral microcalcite = 45%. % Estimate of clay/carb is very uncertain. Carb can possibly be much higher
C0002L-11X-1	77.0	372.77	sand	100	0	0	A	A		A	F				C		A		F		R										
C0002L-12X-1	5.0	381.55	silty clay	0	25	75	A	A				D								C		F	F		F						
C0002L-12X-2	89.0	383.62	sand	90	10	0	A	A		C	F		F		C		A		F										C		
C0002L-13X-1	18.0	391.18	sand	90	10	0	A	A		C					C		A		F												opaques may be sedimentary lithics
C0002L-13X-3	64.0	394.18	silty clay	0	20	80	A	A	F			D								C	F										
C0002L-13X-6	15.0	396.89	fine ash	10	90	0	F	F											D												
C0002L-14X-2	39.0	402.29	sandy silt	20	80	0	A	A	F				C		C		A			C	F				F	F			C		
C0002L-14X-2	50.0	402.40	silty sand	70	30	0	A	A		C					C		A									F			F		
C0002L-14X-4	14.0	403.60	silty clay	2	40	58	A	A	F			A								C		F	F		F						
C0002L-14X-4	16.0	403.62	silty clay	0	20	80	A	A				D								A		F	F		F						
C0002L-15X-2	29.0	411.15	silty clay	0	25	75	A	A				D	F							A					F						
C0002L-15X-8	131.0	417.48	sand	100	0	0	A	A		A					C		A														
C0002L-15X-9	76.0	418.25	silty clay	0	25	75	A	A				D	F													F					
C0002L-15X-10	37.0	418.85	silty sand	60	25	5	A	A				C					A			C									C		High resistivity (anomaly). Pyr as tiny framboids and also as grain coatings.
C0002L-16X-1	14.0	419.64	silty clay	0	25	75	A	A				D	F							C		F			F						
C0002L-16X-5	67.0	424.45	sand	80	10	10	A	A				C			C		A			F						F					

Smear slides Hole C0002L (core continued)

				Texture (%)			Siliclastic Grain								Lithic Grains or Ash					Pelagic Grains							Authigenic				Comments
Hole-Core-Section	Int. (cm)	Depth (CSF-A)	Lithology	Sand	Silt	Clay	Quartz	Feldspar	Mica Group	Opaque Min.	Glauconite	Clay Min.	Organic matter (detrital)	Heavy Min.	Sed. Lithic	Ign. Lithic	Meta. Lithic	Volcanic Lithic	Vol. Glass	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge spicules	Bioclast fragment	Clay Mins.	Zeolite	Pyrite (authigenic)	Other	[Legend] Ap: Apatite, Bt: Biotite, Chl: Chlorite, Cpx: Clinopyroxene, Cum: Cumingtonite, Fel: Feldspar, Hbl: Hornblende, OM: Organic mattter, Opx: Orthopyroxene, Pyr: Pyrite, Zr: Zircon
C0002L-16X-5	88.0	424.66	fine ash	0	90	10	C	C				C							D	C											
C0002L-16X-8	90.0	428.48	silty clay	0	20	80	C	C				D								C		F	F		F						
C0002L-17X-1	18.0	429.18	silty clay	0	25	75	A	A				D	F							C						F			F		
C0002L-17X-6	28.0	433.81	sandy silt	30	40	30	A	A				A			C		A			C									C		
C0002L-17X-CC	88.0	438.78	silty clay	0	20	80	A	A				D	F						F	C					F						
C0002L-18X-1	24.0	438.74	silty clay	0	25	80	A	A				D								C		F	F		F						
C0002L-18X-4	74.0	441.44	sand	100	0	0	A	A									A												C		grains are coated with microcrystaline pyrite. Silt- and sand-sizeframboids are also present
C0002L-18X-6	99.0	444.50	silty clay	0	20	80	A	A				D								A	F					F					
C0002L-19X-2	10.0	449.32	clay	0	15	85	C	C				D	F							C		F			F						
C0002L-19X-5	18.0	452.35	fine ash	5	95	0	C	C											D												
C0002L-19X-5	102.0	453.19	clayey silt	5	50	45	A	A				A		F			C		C	C						C					
C0002L-20X-3	102.0	460.07	silty clay	0	20	80	A	A				D								C						C					yellowish mud. May contain authigenic micro-calcite. Microcalcite = 10%
C0002L-20X-4	22.0	460.68	silty clay	5	35	60	A	A				D								C		F			F	F			C		
C0002L-20X-5	42.0	462.29	silty clay	0	25	75	A	A				D	F							C											did not disaggregate well
C0002L-20X-7	13.0	464.66	sand	90	10	0	A	A						F	C		A	F	C										C		
C0002L-20X-7	50.0	465.03	fine ash	15	80	5	C	C				C							D												
C0002L-20X-CC	46.0	467.17	sand	90	10	0	A	A									A												C		Pyr as micro-Pyr grain coatings and framboids
C0002L-21X-1	10.0	467.10	silty clay	0	20	80	A	A				D	F						F	F					F	F					did not disaggregate well
C0002L-21X-1	18.0	467.18	silty clay	0	40	60	A	A				D		F					F				F		F						
C0002L-21X-2	77.0	469.19	silty sand	75	20	15	A	A	F	C		A	F	F					C				F		F						
C0002L-21X-2	94.0	469.36	silty clay	5	40	55	A	A				A	F																		
C0002L-21X-3	16.0	469.78	clay	0	15	85	C	C				D	F							C					F						
C0002L-21X-7	33.0	474.12	fine ash	15	85	0	C	C				D																			
C0002L-22X-1	8.0	476.58	silty clay	0	25	75	A	A				D	F							C											
C0002L-22X-1	49.0	476.99	silty sand	50	40	10	A	A	F	C			F				A														
C0002L-22X-5	120.0	480.42	silty clay	0	30	70	A	A				D		F					F	C									F		
C0002L-22X-7	40.0	481.21	sand	90	10	0	A	A		C				F				R	C												rare lath-work VRF
C0002L-23X-CC	16.0	486.16	silty clay	5	35	60	A	A	F			D							F							C					
C0002L-23X-CC	33.0	486.33	silty sand	60	40	0	A	A		C					C		A														rare microlitic glass
C0002L-24X-1	125.0	496.75	sandy silt	40	50	10	A	A						F	C	A			F										F		
C0002L-24X-2	25.0	497.15	silty clay	0	20	80	A	A				D									C										micro-carb = C
C0002L-24X-3	76.0	499.02	silty clay	0	20	80	A	A				D							F	C											
C0002L-24X-4	40.0	500.06	silty sand	80	15	5	A	A	F	C		C			C		A		C	F											
C0002L-24X-CC	32.0	502.70	silty clay	10	30	60	A	A				A					C			C	F										

D: dominant (>50%), A: abundant (>10-50%), C: common (>1-10%), F: few (>0.1-1%), R: rare (<0.1 %)

Smear slides Hole C0002F (cuttings)

Cuttings number	Int. (cm)	Depth (m CSF-A)	Lithology	Texture			Siliclastic Grain										Lithic Grains or Ash					Pelagic Grains						Other			Comments
				Sand	Silt	Clay	Quartz	Feldspar	Mica Group	Ferromagnesian Min.	Opaque Min.	Glauconite	Clay Min.	Zeolite	Heavy Min.	Calcite/Carb. Min.	Sed. Lithic	Ign. Lithic	Meta. Lithic	Volcanic Lithic	Vol. Glass	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge spicules	Clay Mins.	Organic matter	Zeolite	[Legend] Ap: Apatite, Bt: Biotite, Chl: Chlorite, Cpx: Clinopyroxene, Cum: Cumingtonite, Fel: Feldspar, Hbl: Hornblende, Ogn: Organic materials, Opx: Orthopyroxene, Pyr: Pyrite, Zr: Zircon
20			silty claystone				14	5	1	2		4	65								1	8								
21			silty claystone				14	5	1	2		5	65								1	8								
22			silty claystone				13	5	1	2		3	67								1	8								
24			silty claystone				11	5	1	3	1	5	65		T						1	8								
25			silty claystone				14	5	1		1	6	64								1	8								
26			silty claystone				10	5	1	2	2	7	63		1						1	8								Dolomite Trace
27			silty claystone				15	8		3	2	10	55								1	4						1		
28			silty claystone				15	8		4	1	10	55		1						1	5								
29			very fine sandstone				20	10		5	2	12	43								2	3								
30			silty claystone				20	8	1	3	2	15	44		T						3	4								
31			silty claystone				15	8	1	4	2	15	49		2						2	2								
32			silty claystone				10	5	1	2	2	3	72		2						1	2								
34			silty claystone				7	4	2	4	1	4	75		T						2	1								
35			silty claystone				8	3	1	3	2	5	63		2						1	2								
36			silty claystone				5	2	1	4	1	6	73		1						1	6								
37			silty claystone				8	3	1	4	1	4	66		t						1	2								
40			silty claystone				5	3	1		1	8	66		1						1	4								
41			silty claystone				5	2		2	1	3	77		1						1	8								
42			silty claystone				5	3		2	1		80		1						1	7								
43			silty claystone				5	3	1	2	1		80		1						1	6								
44			silty claystone				6	3	1	2	1	2	78								1	6								
45			silty claystone				12	5	1	2	1		75									1								
46			silty claystone				8	3	1	2	1		80								1	4								
47			silty claystone				9	4	1	2	1		80								1	2								
48			silty claystone				8	3	1	2	1		80		1						1	3								
49			silty claystone				5	2	1	2	1		85								1	3								
50			silty claystone				8	3	1	2	1		80								1	1					1			
51			silty claystone				6	4	1	2	2		80		1						2	2								
52			silty claystone				8	3	1	2	2		80		2						1	1								
54			silty claystone				15	6	1	3	2		68		2						1	2								
56			silty claystone				9	4	1	2	2		78		2						1	1								
58			silty claystone				9	3	1	2	1		80		2							2								
62			silty claystone				8	2	1	2	1		80		1						1	4								
64			silty claystone				4	2		1			85									8								
66			silty claystone				18	6	1	5	3		65		2															
68			silty claystone				5	2	1	2	1		85		1							3								
71			silty claystone				6	2	1	2	2		85		1							1								
73			silty claystone				15	5	1	3	3		70		2							1								
75			silty claystone				15	5	1	4	2		70		2							1								
77			silty claystone				20	8	1	7	2		59		3															
80			very fine sandstone				33	16		9	4		34																	
82			silty claystone				8	3	2	2	2		77		4							1								
84			silty claystone				8	3	1	3	2		80		2							1								
86			silty claystone				10	3	1	3	2		79		2						T	T								Trace Mollusca
90			silty claystone				15	8	1	2	2		70		2															1 garnet ?
92			silty claystone				16	7	2	3		3	65		4															
94_major			silty claystone				18	8	2	3	2		73		3							1								
94_minor			carbonate				3	2							T	95														
96			silty claystone				22	8	1	4	2		61		2															
98			silty claystone				20	6	2	4	2		63		3															
100_major			silty claystone				6	2	2	2	1		85		1						1	T								
100_minor			carbonate				3	2							T	90					5									
102			silty claystone				12	4	2	3	2		76		1							T								
104			silty claystone				5	2	1	3	1		85		2						1									
106			silty claystone				10	3	1	3	2		79		2															
108			very fine sandstone				45	8	1	8	3		31		4															
110			fine sandstone				25	5		4	3		58		4															
112			fine sandstone				25	6		T	8		57		4								T							
114			silty claystone				8	2	T	2	1		85		2							T								
116			very fine sandstone				30	5	1	3	5		53		1						1									

Smear slides Hole C0002F (cuttings continued)

Cuttings number	Int. (cm)	Depth (m CSF-A)	Lithology	Texture			Siliclastic Grain										Lithic Grains or Ash					Pelagic Grains						Other			Comments
				Sand	Silt	Clay	Quartz	Feldspar	Mica Group	Ferromagnesian Min.	Opaque Min.	Glauconite	Clay Min.	Zeolite	Heavy Min.	Calcite/Carb. Min.	Sed. Lithic	Ign. Lithic	Meta. Lithic	Volcanic Lithic	Vol. Glass	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge spicules	Clay Mins.	Organic matter	Zeolite	[Legend] Ap: Apatite, Bt: Biotite, Chl: Chlorite, Cpx: Clinopyroxene, Cum: Cumingtonite, Fel: Feldspar, Hbl: Hornblende, Ogn: Organic materials, Opx: Orthopyroxene, Pyr: Pyrite, Zr: Zircon
120			silty claystone				10	3	1	2	2	3	77		1							1									
122			very fine sandstone				25	6	2	2	4	3	56		2																
124			very fine sandstone				35	7	1	3	3	4	45		2																
126			very fine sandstone				14	4	1	2	1	3	72		2						1										
130			very fine sandstone				25	7	1	3	3		59		2																
132_major			very fine sandstone				20	6	2	2	2		65		2						1										
132_minor			carbonate				5	2		1	1				1	90															
134			very fine sandstone				15	5	2	3	2		70		1				2												
136_major			silty claystone				20	5	1	2			45			25															
136_minor			carbonate				4	2		1	1				1	90					1										
138			very fine sandstone				35	10		3	2		46		2				2												
139			very fine sandstone				25	5			3		54		2						1										
140			very fine sandstone				40	10		4	2		39		2	2			1												
142			very fine sandstone				25	10	2	3	3		55		2																
144			silty claystone				22	8	1	1	2		65		1																
148			very fine sandstone				25	7		1	2		64		1																
150			fine sandstone				40	6	1		2		49		2																
153			very fine sandstone				20	7	1	1	2		65		2														2		
155			fine sandstone				40	5	1	1	2		50		1																
158			very fine sandstone				37	8	1	1	2		46		1				2										2		
159			silty claystone				8	1			1		90		T							T									
161			very fine sandstone				18	6	1	2	2		68		3																
162			very fine sandstone				20	3			2		71		1		1		1		1										
163			very fine sandstone				25	5	1	1	2		63		2														1		
164			fine sandstone				30	4			3	2	56		2		2		1												
167			very fine sandstone				20	4	1	1	2		70		2																
168			very fine sandstone				20	4	1		2	3	54		2		2		2												
169			very fine sandstone				18	6	1		2		70		2														1		
170			medium sandstone				45	6		2	3		34		3		3		2												
172			carbonate				3	1					2			95						T									
173			very fine sandstone				35	5		1	3		47		2		5		2												
177			fine sandstone				30	8	1		1		56		2				2												
178			fine sandstone				40	8	T		4	3	15		4		4		2												
182			very fine sandstone				40	7	1		2		44		1	1			3		1										
184			fine sandstone				30	4	1		2		60		2				1												
187			fine sandstone				40	7			2		45		1				5												
189			fine sandstone				30	6	1	1	1		57		2				2												
193			fine sandstone				45	8			2		38		2				5												
195			fine sandstone				50	10	1		3		29		2				5												
196			silty claystone				10	2			2		82		1		1				2										
199			medium sandstone				50	15	T		2		24		2				5										2		
201			fine sandstone				40	7	1		3		42		2				5												
203			very fine sandstone				30	6			2		59		1				2												
205			very fine sandstone				30	6	1		2		55		2				4												
206			silty claystone				15	4			2		74		2		1				2										
207			very fine sandstone				30	5	2	1	3		53		2				4												
209			very fine sandstone				35	8	1				47		2				5										2		
211			very fine sandstone				20	5	1		3		62		1				8												
213			very fine sandstone				20	6	1		2		68								1										
215			silty claystone				25	1			2		71		T				1												
217			silty claystone				25	8	1		1		61		1						2	T							1		
219			very fine sandstone				20	8	1	2	2		64		2				1												
223			very fine sandstone				18	5	1		2		61		2				1												
227			very fine sandstone				25	7	1		3		63						2												
229			very fine sandstone				22	5	1		2		67		1				2												
230			silty claystone				10	2	2		1		82		1		2														
231			very fine sandstone				20	5	1		3		68		2				1												
233			very fine sandstone				20	4	1		2		69		2				2												
235			very fine sandstone				26	6	1		3		61		2				2												
238			very fine sandstone				18	5	1		3		71		2																

Smear slides Hole C0002F (cuttings continued)

Cuttings number	Int. (cm)	Depth (m CSF-A)	Lithology	Texture			Siliclastic Grain										Lithic Grains or Ash					Pelagic Grains						Other			Comments
				Sand	Silt	Clay	Quartz	Feldspar	Mica Group	Ferromagnesian Min.	Opaque Min.	Glauconite	Clay Min.	Zeolite	Heavy Min.	Calcite/Carb. Min.	Sed. Lithic	Ign. Lithic	Meta. Lithic	Volcanic Lithic	Vol. Glass	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge spicules	Clay Mins.	Organic matter	Zeolite	[Legend] Ap: Apatite, Bt: Biotite, Chl: Chlorite, Cpx: Clinopyroxene, Cum: Cumingtonite, Fel: Feldspar, Hbl: Hornblende, Ogn: Organic materials, Opx: Orthopyroxene, Pyr: Pyrite, Zr: Zircon
240			very fine sandstone				25	6	2		3		62		2															
250			silty claystone				20	4			3		70		1				2											
253			silty claystone				18	4			2		75		1															
255			silty claystone				19	3			2		75		1															
258			very fine sandstone				25	5	1		3		61		2				3											
260			silty claystone				16	4	1		2		75		1				1											
261			silty claystone				10	2					88		T															
263			very fine sandstone				20	4		1	2		69		2				1											
265			silty claystone				10	2	1		2		82		2						1	T								
267			silty claystone				15	5		1	2		73		2				2											
269			silty claystone				15	4		1	3		72		2				1		2									
272			silty claystone				14	3			2		79		1				1											
274			silty claystone				8	2	1		1		86		1				1											
280			silty claystone				15	4	1		2		75		2				1											
282			silty claystone				10	2	1		2		83		1				1											
284			silty claystone				15	4			3		77		1															
286			very fine sandstone				18	6			3		69		2				2											
288			silty claystone				15	3			2		79		1															
289			very fine sandstone				25	8	1		3		59		2				2										T	
311			silty claystone				10	2	1				61		T	20					1	5								
312			very fine sandstone				35	7		1	1		47		2		3		1		3									

D: dominant (>50%), A: abundant (>20-50%), C: common (>5-20%), P: present (>1-5%), R: rare (>0.1-1%), T: trace (<0.1%)

Thin sections Hole C0002F (cuttings)

Cuttings sample ID	Depth (MSF)	Lithology	Specimen Type	Texture (%)			Siliclastic Grains								Lithic Grains or Ash					Pelagic Grains							Authigenic				Comments
				Sand	Silt	Clay	Quartz	Feldspar	Mica Group	Opaque Min.	Glauconite	Clay Min.	Organic matter (detrital)	Heavy Min.	Sed. Lithic	Ign. Lithic	Meta. Lithic	Volcanic Lithic	Vol. Glass	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge spicules	Bioclast fragment	Clay Mins.	Zeolite	Pyrite (authigenic)	Other	[Legend] Ap: Apatite, Bt: Biotite, Chl: Chlorite, Cpx: Clinopyroxene, Cum: Cumingtonite, Fel: Feldspar, Hbl: Hornblende, OM: Organic mattter, Opx: Orthopyroxene, Pyr: Pyrite, Zr: Zircon
17SMW1	905.5	silty claystone	single fragment	2	23	75	A	A	C			D			F																a few thin (10 - 20 µm) deformation bands cross the entire specimen. Highly visible with λ plate
17SMW2	905.5	silty claystone	single fragment	2	33	65	A	A	C			D									F		R		R				C		numerous round holes may be foram tests/radiolaria plucked during sectionning
27SMW	950.5	basalt	single fragment.	N/A	N/A	N/A																									phenocrystic rock with crystalline groundmass. Abundant opaques. Phenocrysts are pyroxenes.
41SMW	1005.5	silty claystone	single fragment	10	30	60	A	A				D									C										open primary intragranular porosity
51SMW	1055.5	silty claystone	single fragment	<1	25	75	A	A				D																			dark zone is invasion of grinding grit along an induced fracture (?)
56SMW	1080.5	calcified ash	single fragment	5	30	65													A											A	a diagenetically altered ash (with calcite vein)
64SMW	1110.5	claystone	single fragment	0	15	85	C	C	F			D	F								R		R								
75SMW	1160.5	silty claystone	single fragment	1	34	65	A	A				D	F										R				F		C		complex deformation. Scaly fabric? Individual bands traverse entire sample
86SMW	1210.5	claystone	single fragment	0	15	85	C	C				D	R														R				silt concretion in burrows?
98SMW	1260.5	silty claystone	single fragment	0	30	70	A	A				D	F														R		F		
106SMW	1300.5	silty claystone	single fragment	0	25	75	A	A				D																	F		
108SMW	1310.50	mixed, some not sedimentary	several fragments	N/A	N/A	N/A									A		A														includes: wood fragment; polycrystalline qz grains, quartzite w/vein (metamorphic); grain of anhedral calcite, spar (marble?); pelleted chert; lithic akose; veined chert
110SMW	1320.5	mixed siliciclastic	8 fragments	N/A	N/A	N/A	A	A				A			C	F															sand is mostly quartz and feldspar. Minor lithics; mostly chert, minor VRFs; little or no carbonate
120SMW	1360.5	silty claystone	1 of 2 fragments	0	30	70	A	A				D															R				little or no carbonate
120SMW	1360.5	silty claystone	2 of 2 fragments	5	35	60	A	A				D																			little or no carbonate
130SMW	1400.5	silty claystone	1 of 2 fragments	5	20	75	A	A				D											R				R				Opal cemented?
130SMW	1400.5	silty claystone	2 of 2 fragments	0	40	60	A	A				D											R								One fragment contains a very nice agglutinated tube. Opal cemented?
144SMW	1470.5	silty claystone	1 of 2 fragments	0	25	75	A	A				D																			silt-filled bioturbation structures
144SMW	1470.5	silty claystone	2 of 2 fragments	0	33	67	A	A	R			D																			silt-filled bioturbation structures
153SMW	1500.5	cement (artificial)	single fragment	N/A	N/A	N/A																									has bubbles -> sand-size fragments unknown
161SMW	1530.5	clayey siltstone	single fragment	20	40	40	A	A	C			A	C																C		
169SMW1	1560.5	silty claystone	single fragment	0	25	75	A	A				D									F								F		minor faults in the grain
169SMW2	1560.5	silty claystone	1 of 2 fragments	0	25	75	A	A				D																			
169SMW2	1560.5	claystone	1 of 2 fragments	0	20	80	A	A				D															C				
177SMW	1590.5	clayey siltstone with v. fine sandstone layer	1 of 2 fragments	30	40	30	A	A				A																			sandstone is highly compacted with much ductile grain deformation. QF and MRFs are dominant grains
177SMW	1590.5	silty claystone with v. fine sandstone layer	1 of 2 fragments	20	20	60	A	A				A																			sandstone is highly compacted with much ductile grain deformation. QF and MRFs are dominant grains
187SMW	1620.5	silty claystone	2 fragments	0	30	70	A	A	F			D															F				
193SMW	1640.5	silty fine sandstone	1 of 5 fragments	50	30	20	A	A							C	C	C														coarser grains are quartz, chert and mudstone (drilling-induced aggregates?)
193SMW	1640.5	clayey siltstone	2 of 5 fragments	15	50	35	A	A				A																			
193SMW	1640.5	silty very fine sandstone	3 of 5 fragments	50	30	20	A	A				A	C																		with wood fragments
193SMW	1640.5	silty claystone	4 of 5 fragments	10	30	60	A	A				D			C																
193SMW	1640.5	fine sandstone / silty claystone	5 of 5 fragments	30	30	40	A	A				A																			lamination of sandstone / silty claystone
217SMW	1750.5	very fine sandstone	1 of 2 fragments	80	15	5	A	A	F			C	F																		sandstone has been compacted with much ductile grain deformation -> IGV Is close to 0; grain assemblage is dominantly qtz-feld; lithics are hard to ID -> mostly micaceous MRFs; little or no evidence of VRFs; abundant epidote in dense mineral assemblage
217SMW	1750.5	silty claystone	2 of 2 fragments	5	20	75	A	A	F			D	F														F				
238SMW	1830.5	v. fine sandstone / silty claystone	1 of 2 fragments - mixed lithologies	65	20	15	A	A	R			A	C																		sandstone is highly compacted with abundant ductile lithics
238SMW	1830.5	sandy silty claystone / silty claystone	2 of 2 fragments - mixed lithologies	15	60	25	A	A	F			A																			minor fault in the grain
255SMW	1870.5	silty claystone	1 of 2 fragments	0	25	75	A	A				D	R														C				burrow mottles
255SMW	1870.5	silty claystone	2 of 2 fragments	0	25	75	A	A				D	R														C				
258SMW	1880.5	silty claystone / silty very fine sandstone	1 fragment - 2 lithologies	30	25	45	A	A				A	C																		sandstone is highly compacted with abundant ductile lithics. Q, F and L are equal. Many very fine graain mudstone clasts; also micass; MRFs
260SMW	1890.5	silty claystone	single fragment	1	34	65	A	A				D	R								C								C		pyrite rather coarse thin cubes; possible zeolites in foram test
269SMW	1930.5	silty claystone	1 of 2 fragments	1	30	69	A	A				D															F		F		claystone has minor deformation bands
269SMW	1930.5	sandy silty claystone	1 of 2 fragments	10	25	65	A	A	R			D																			sandy llithology has burrows
289SMW	2000.5	silty claystone	single fragment	2	28	70	A	A				D									C						C		F		burrow mottles very distinct with gypsum plate; small deformation band; possibe agglutinate tube or sponge spicule
289SMW	2000.5	silty claystone	several fragments	N/A	N/A	N/A	A	A				D	F														R		F		All silty claystone, but most of them are DICAs. At least four small angular grains with preferred orientation of clay minerals are obviously formation-derived.

D: dominant (>50%), A: abundant (>10-50%), C: common (>1-10%), F: few (>0.1-1%), R: rare (<0.1 %).