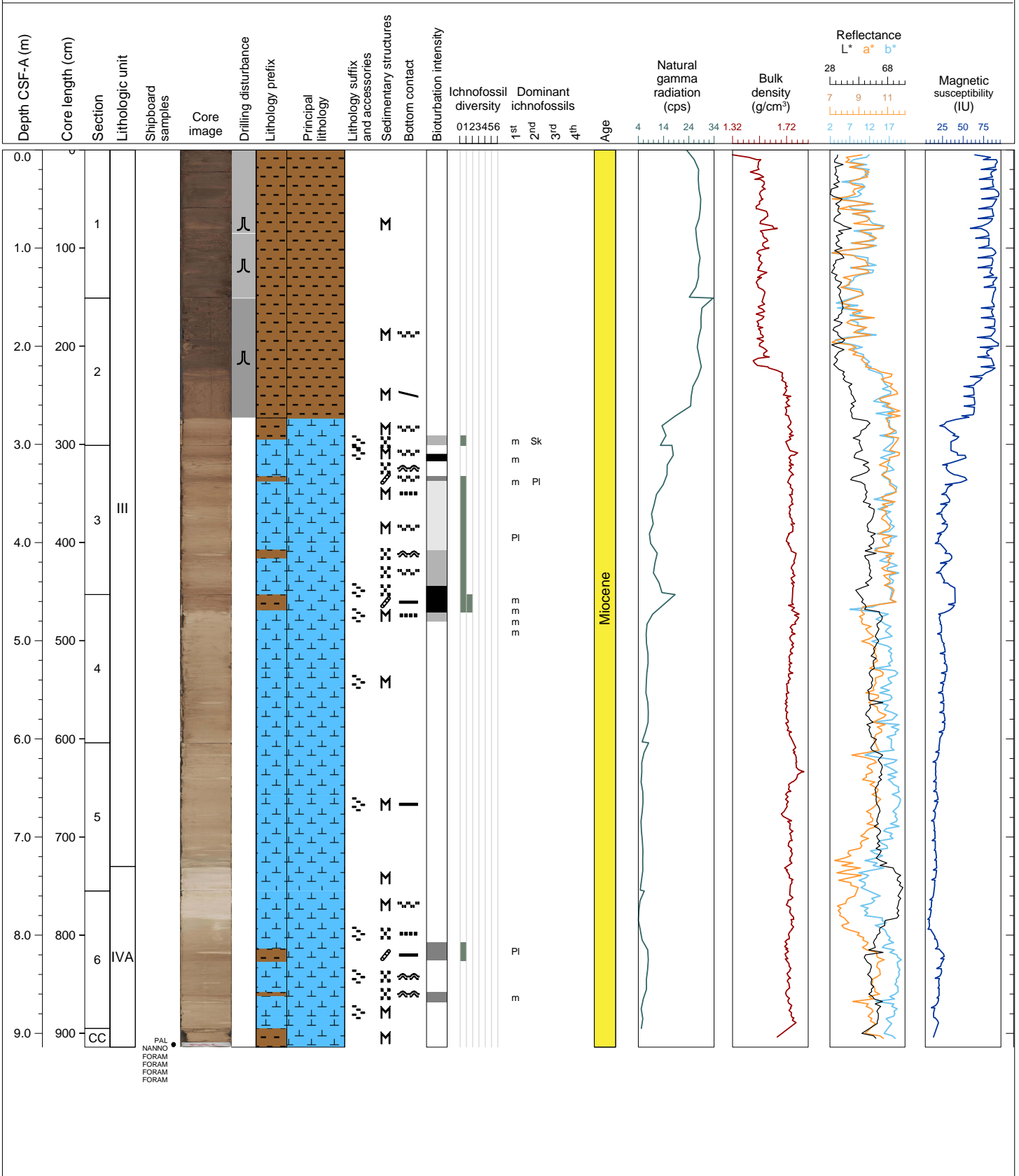


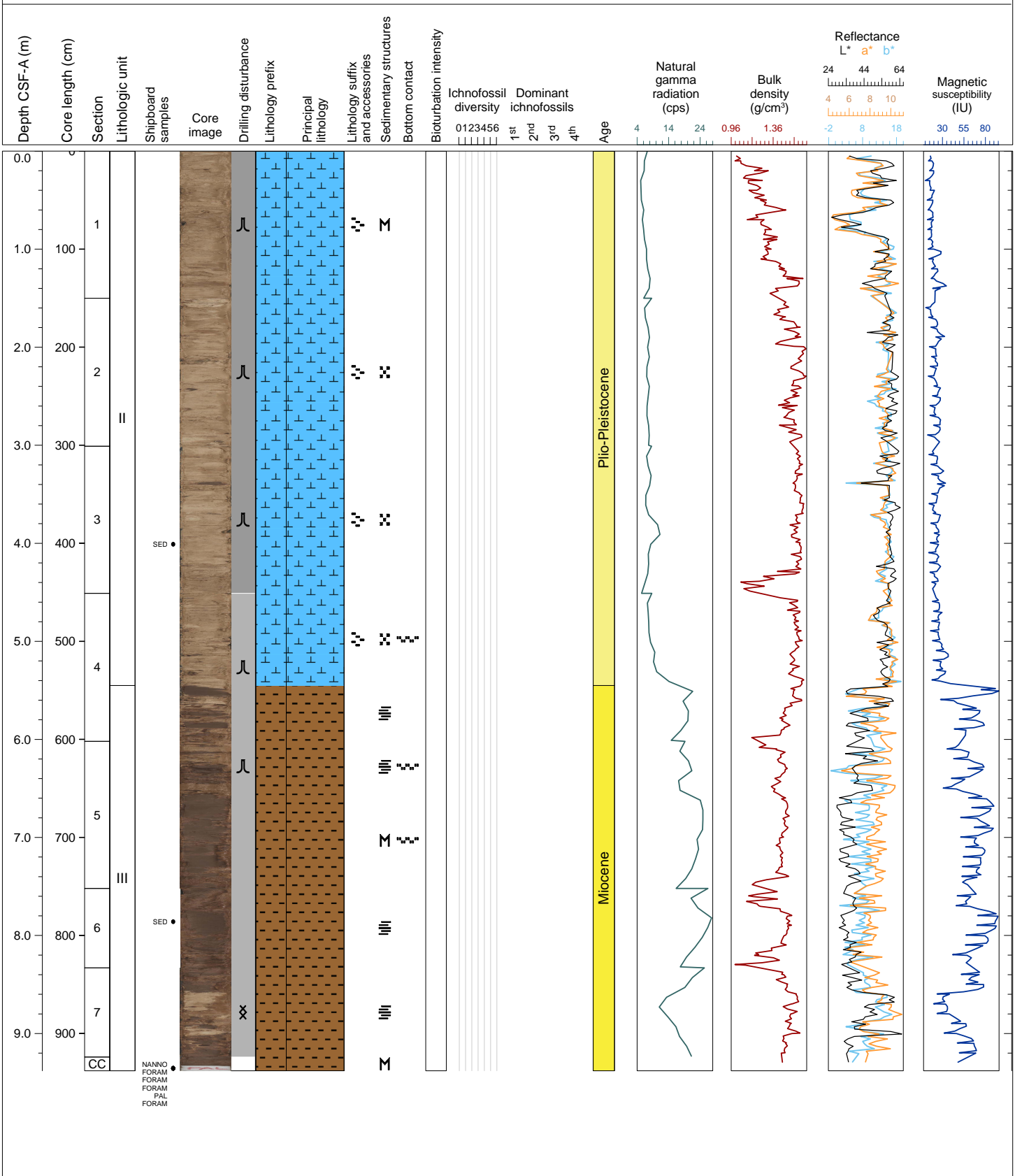
Hole 393-U1583A Core 1H, Interval 0.0-9.14 m (CSF-A)

Core 1H in Hole U1583A consists of pink (7.5YR 7/3) nannofossil ooze with clay from the top of the core to section 4 at 94 cm where it changes to a dark brown (7.5YR 3/3) clay that extends to the bottom of this core. Lithologic contacts are irregular and inclined. Mottling and pinkish white and light brown blebs are common. Biogenic mottling occurs in discrete decimeter thick beds with rare distinct ichnogenera identified such as Planolites, Chondrites, Thalassinoides and Zoophycos. Severe to destroyed drilling disturbances occurred in the upper 2.7 meters of the core.



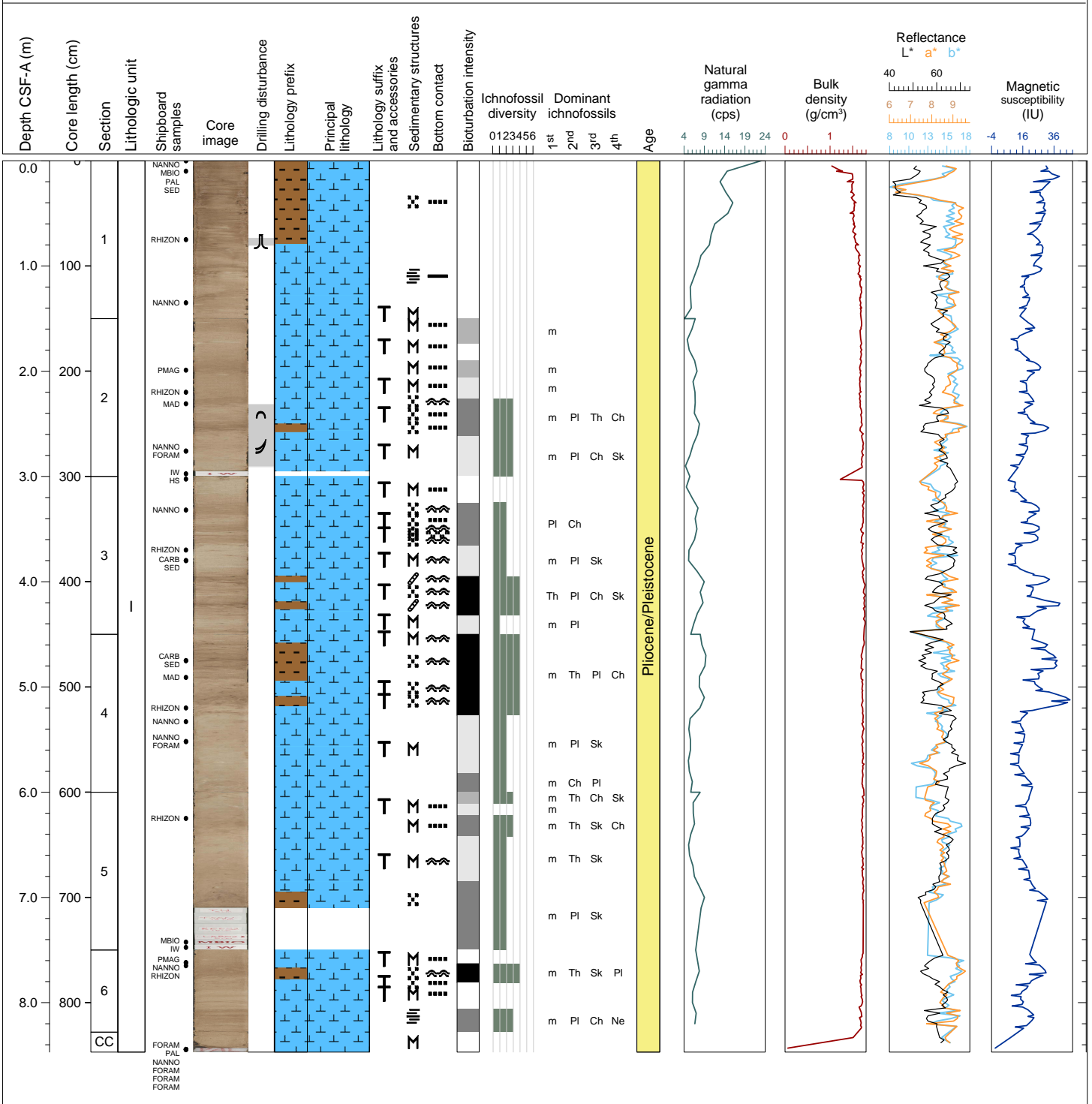
Hole 393-U1583B Core 1H, Interval 0.0-9.38 m (CSF-A)

Core 1H in Hole U1583B contain extensive drilling disturbances that severely to destroyed nearly the entire core. Only a 14 cm section at the bottom of the core appeared not to be disturbed. The upper 5.45 m consists of pink (7.5YR 7/3) nannofossil ooze with clay with the rest of the core consisting of dark brown (7.5YR 3/3) clay.



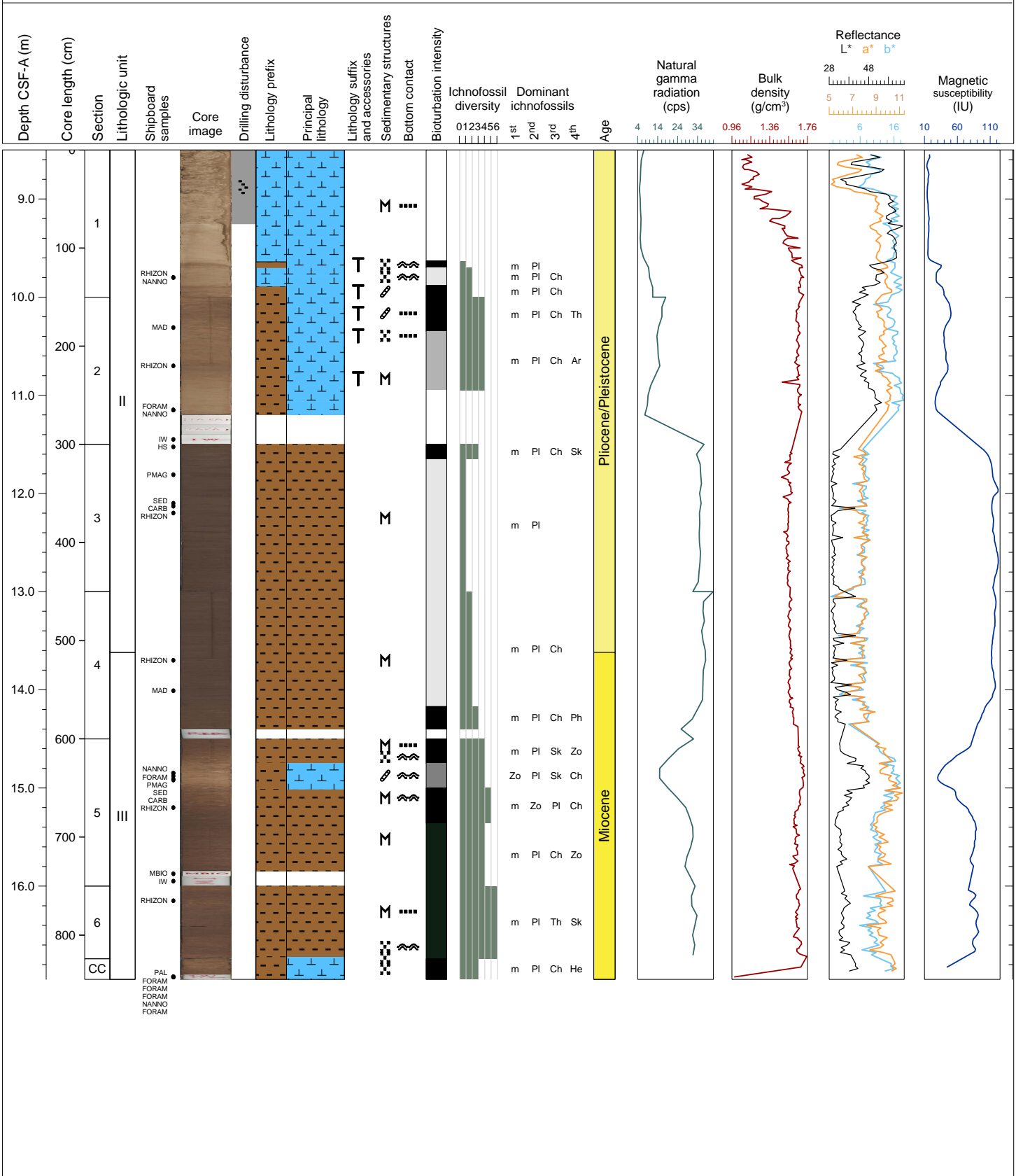
Hole 393-U1583C Core 1H, Interval 0.0-8.47 m (CSF-A)

Core 1H in Hole U1583C consists of pink (7.5YR 7/3) to light brown (7.5YR 6/4) nannofossil ooze with clay with varying amounts of foraminifera ranging from rare to common. Lithologic contacts are predominately bioturbated and horizontal. Most intervals contain mottling as well as biogenic mottling with distinct ichnofossil genera that include *Thalassinoides*, *Planolites*, *Chondrites*, *Skolithos* and rare *Nerites*. Diversity ranges from 1 to 4 ichnogenera with the maximum diameter ranging from 3 to 20 mm. Drilling disturbances occur throughout the core ranging up to moderate and include fall in, arching up and mid core flow in.



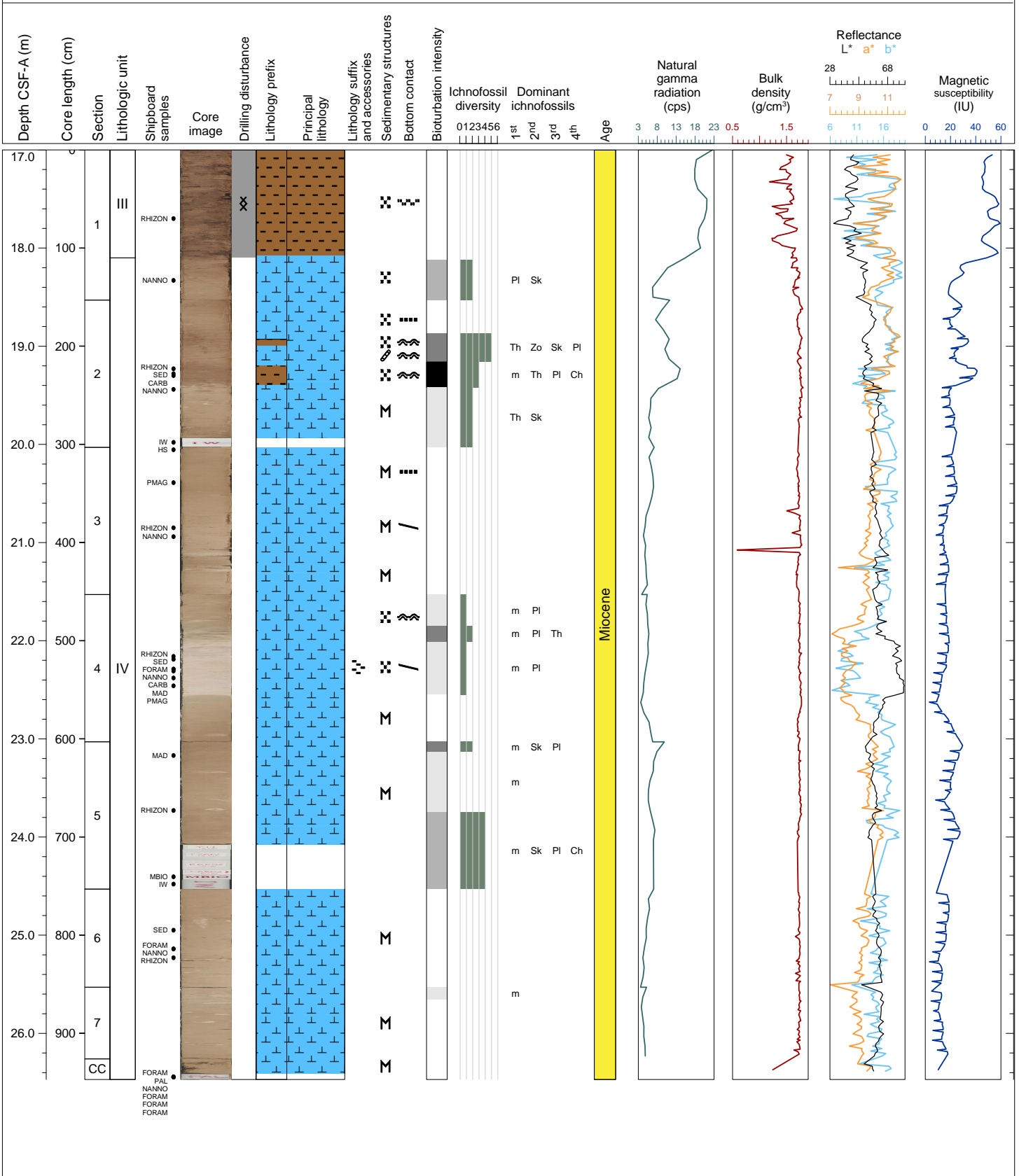
Hole 393-U1583C Core 2H, Interval 8.5-16.95 m (CSF-A)

Core 2H consists of nanfossil ooze with clay and foraminifera from the top of the core to section 3 at 0 cm where it changes to a brown (7.5YR 4/4) to dark brown (7.5YR 3/3-3/4) clay. Two brown beds of clayey nanfossil ooze occur in sections 5 and 6. Contacts between the lithologic units are bioturbated. Bedding is massive except when mottling occurs. Rare small (0.5 cm) round black blebs occur. Biogenic mottling is common throughout the core with distinct ichnogenera identified and include Planolites, Chondrites, Thalassinoides, Arenicolites, and Skolithos. Diversity ranges from 1 to 6 ichnogenera with the maximum diameter ranging from 4 to 22 mm.



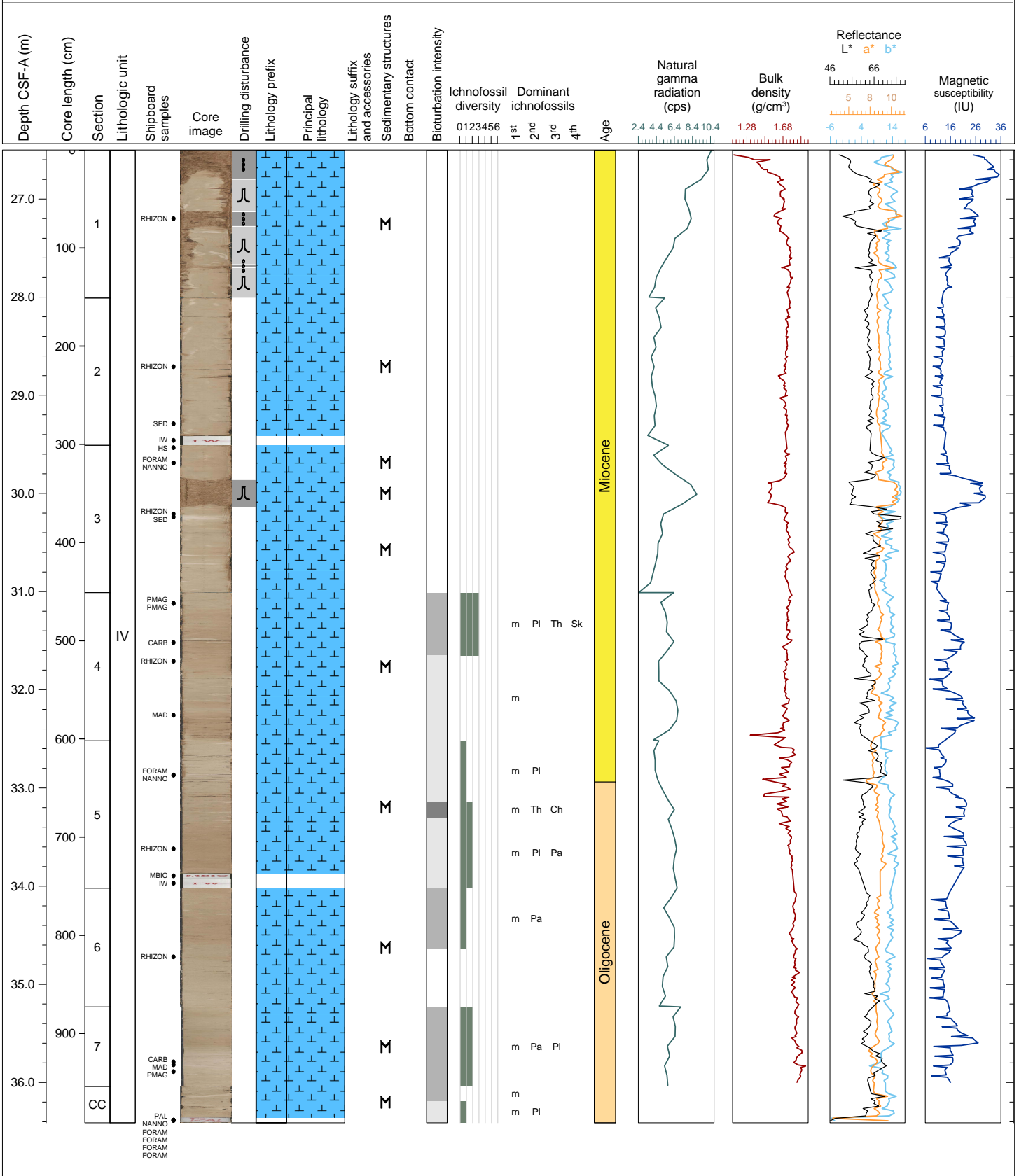
Hole 393-U1583C Core 3H, Interval 17.0-26.47 m (CSF-A)

Core U1583C-3H consists of a brown clay in the first 107 cm in section one. This is followed by pink (7.5YR 7/4) nannofossil ooze with foraminifera and clay, with two thin beds of brown clayey nannofossil ooze. Lithologic contacts are bioturbated and sedimentary structures consist of massive bedding. Mottling is minor in this core. Pinkish white thin (3-4 cm) lenses occur sporadically throughout the core. Bioturbation ranges from none to moderate with distinct ichnogenes observed and include *Thalassinoides*, *Skolithos*, *Planolites* and *Chondrites*. Diversity ranges from 1 to 5 and the maximum diameter ranges from 5 to 20 mm. The upper 110 cm of section 1 is heavily brecciated and is destroyed. The rest of the core does not have any core disturbances.



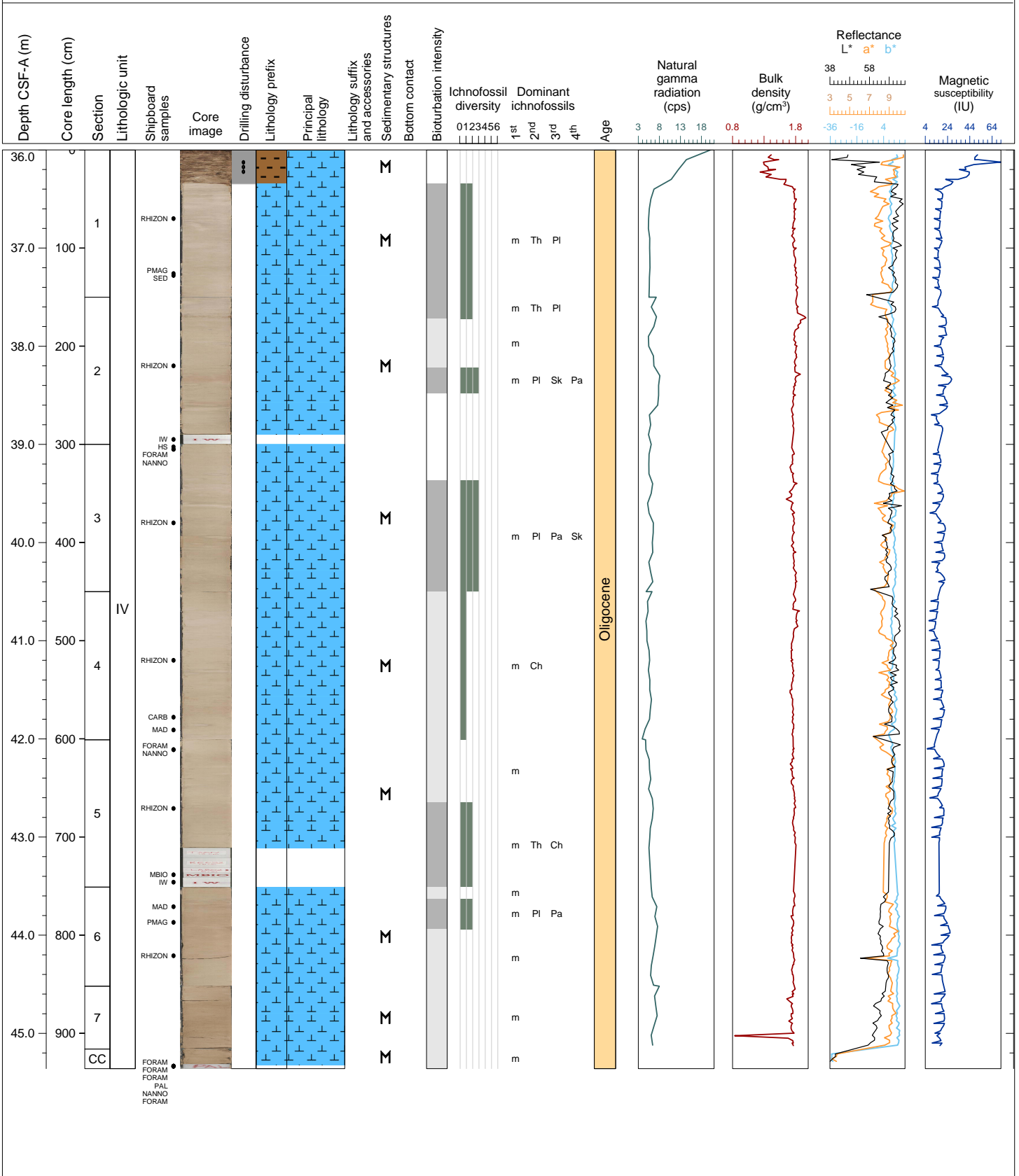
Hole 393-U1583C Core 4H, Interval 26.5-36.41 m (CSF-A)

Core U1583C-4H consists of very pale brown (10YR 8/2) nannofossil ooze with foraminifera and brown (7.5YR 6/4) nannofossil ooze with clay and foraminifera. Lithologic contacts are gradational and the beds are massive. Bioturbation is muted in this core with biogenic mottling occurring in decimeter scale beds. Distinct ichnogenes include Planolites, Thalassinoides, Chondrites, Palaeophycus and Skolithos. Diversity ranges from 1 to 3 genera and the maximum diameter ranges from 4 to 20 mm. Drilling disturbances occur extensively in sections 1 through 3 with significant lengths of core being destroyed.



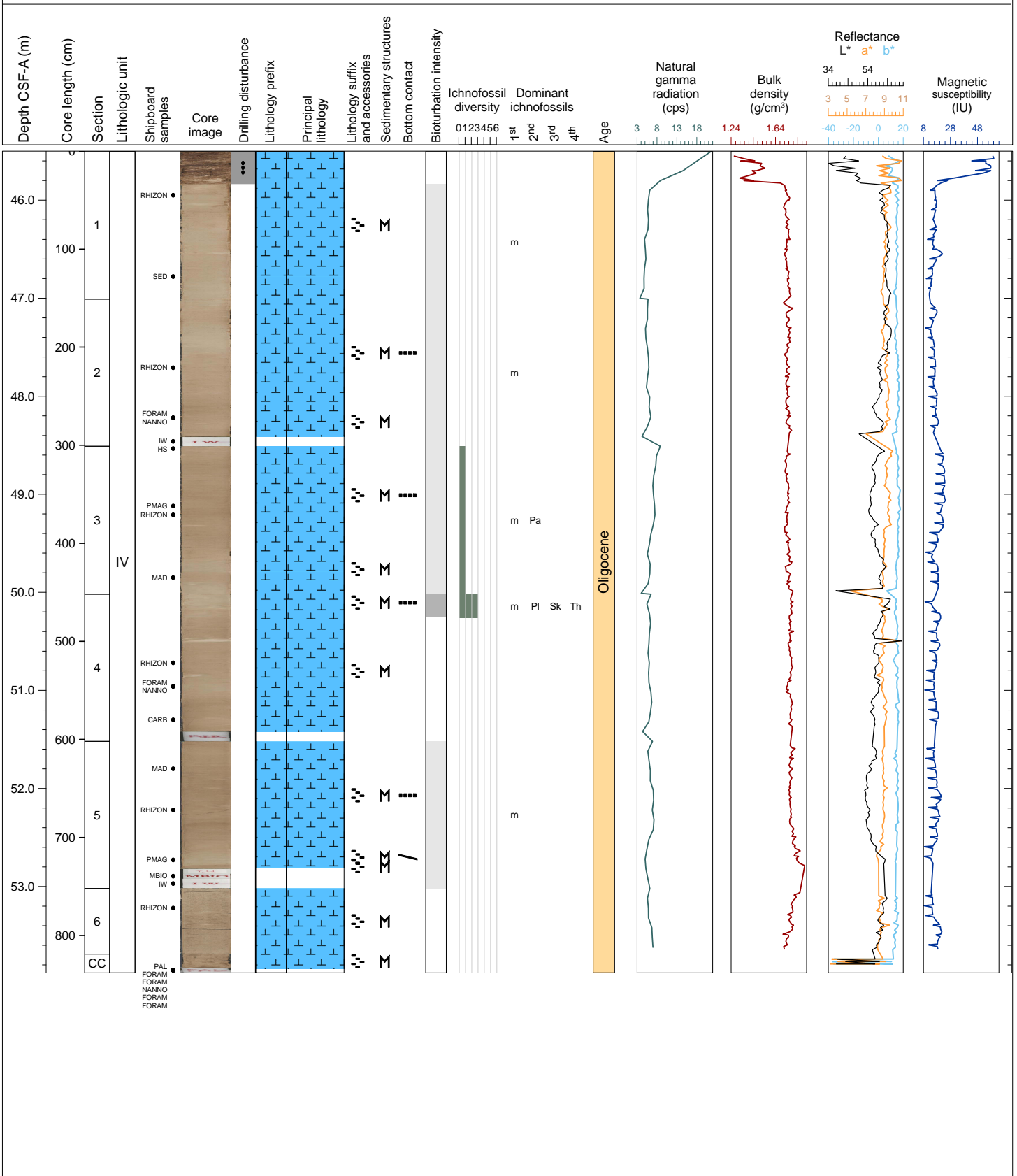
Hole 393-U1583C Core 5H, Interval 36.0-45.36 m (CSF-A)

Core U1583C-5H consists very pale brown (10YR 8/2) nannofossil ooze with clay and foraminifera, with one 34 cm thick bed of nannofossil ooze at the top of section one. The bedding is massive with occasional pinkish white halos and irregular lenses occurring throughout the core. Biogenic mottling occurs in decimeter to meter scale beds throughout this core. Distinct ichnogenera include Planolites, Thalassinoides, Palaeophycus and rare Chondrites and Skolithos. The diversity ranges from 1 to 3 ichnogenera and the maximum diameter ranges from 4 to 20 mm. The first 34 cm in section 1 was destroyed by drilling disturbances, otherwise the core was not disturbed by from drilling.



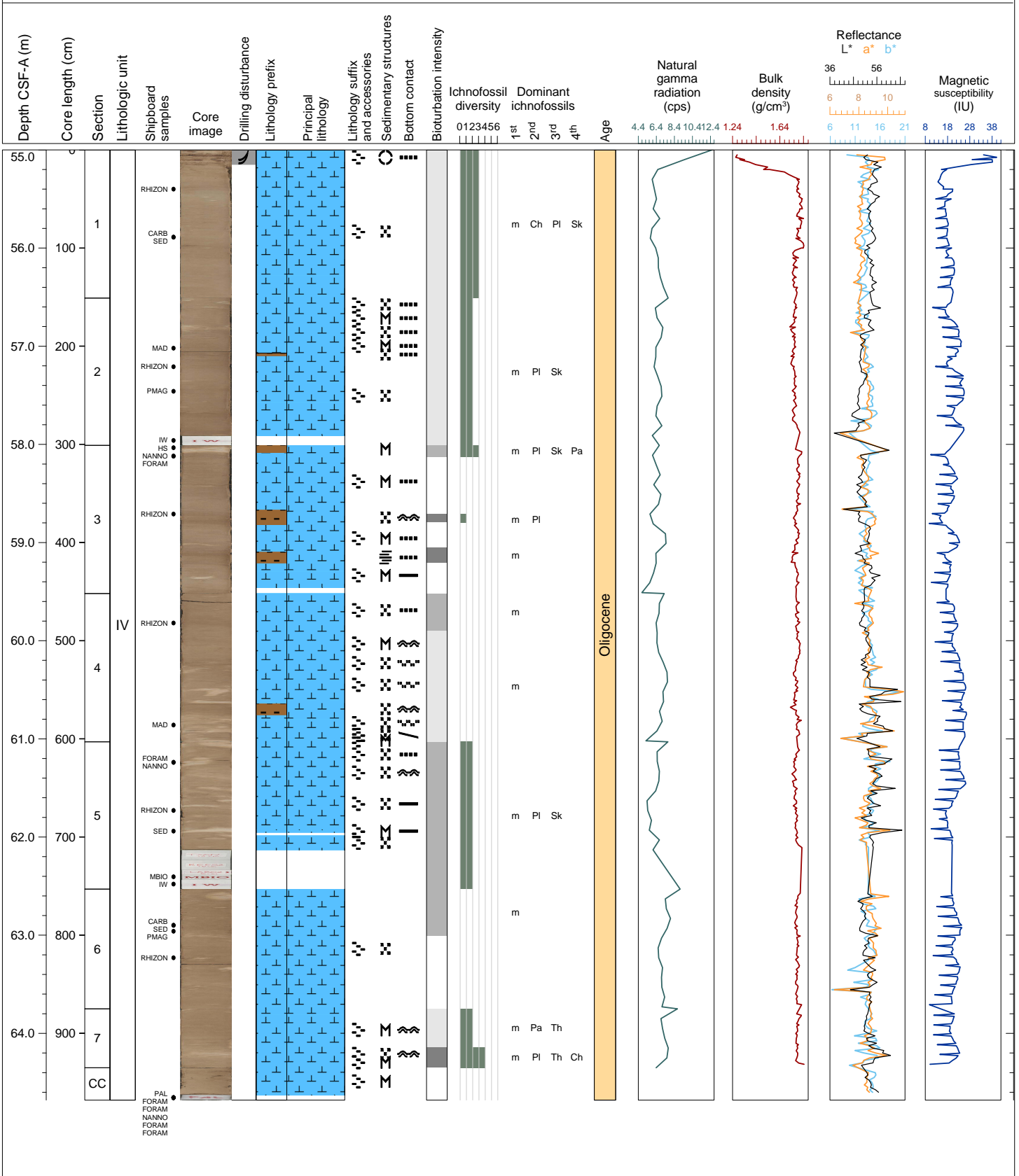
Hole 393-U1583C Core 6H, Interval 45.5-53.88 m (CSF-A)

Core U1583C-6H consists of very pale brown (10YR 8/2) to pink (7.5YR 7/3) nannofossil ooze with clay. The slight changes in color are gradational and the sedimentary structures are dominated by massive bedding. Pinkish white halos and irregular lenses occur sporadically throughout this core. Biogenic mottling occurs throughout sections 1 to 5 with distinct ichnogenera occurring such as *Planolites Palaeophycus*, *Skolithos*, and *Thalassinoides*. The upper 34 cm of the core in section was destroyed, otherwise no drilling disturbances were noted.



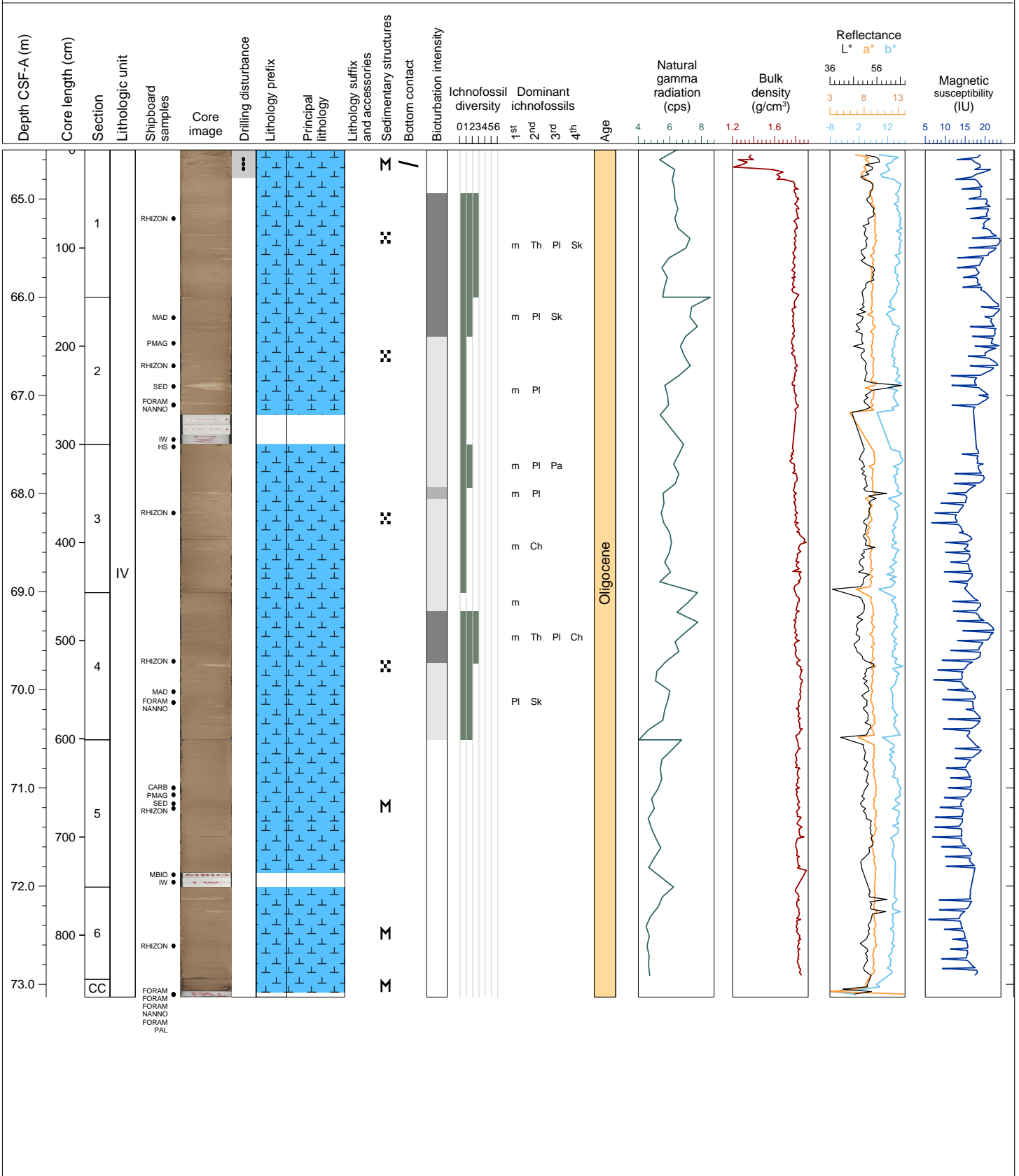
Hole 393-U1583C Core 7H, Interval 55.0-64.68 m (CSF-A)

Core U1583C-7H consists of very pale brown (10YR 6/4) to light yellowish brown (10YR 6/4) nannofossil ooze with clay that is interbedded by decimeter-thick beds of yellowish brown clayey (10YR 5/4) nannofossil ooze. Lithologic contacts are predominately bioturbated with a few being gradational and irregular. Mottling is the dominant sedimentary structure with massive bedding occurring sporadically in the core. Biogenic mottling occurs through the majority of this core with distinct ichnogenera occurring that include: Planolites, Chondrites, Skolithos, and Palaeophycus. Diversity ranges from 1 to 3 and the maximum diameter ranges from 3 to 15 mm. The upper 15 cm of the core in section 1 was destroyed, otherwise no drilling disturbances were observed.



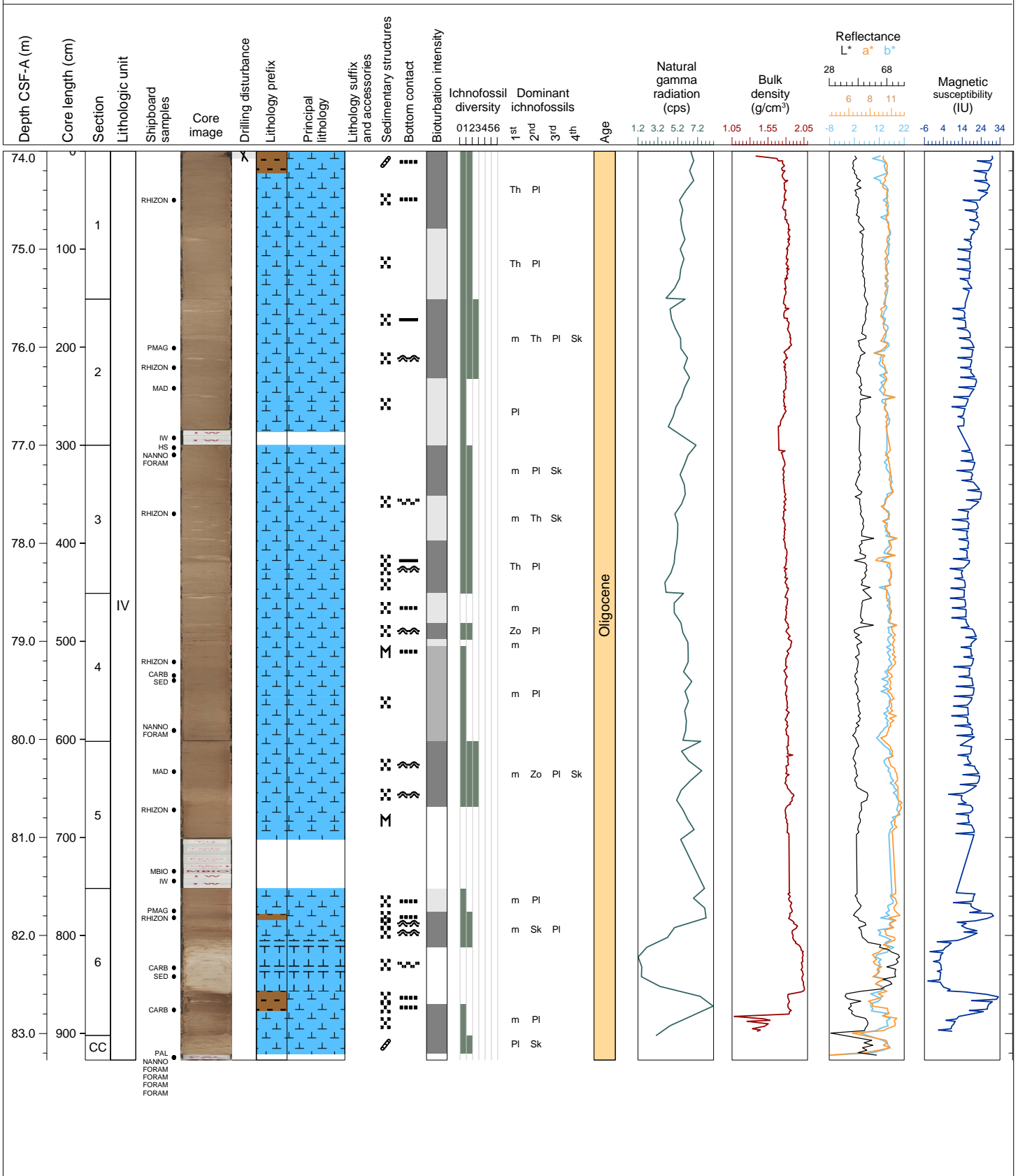
Hole 393-U1583C Core 8H, Interval 64.5-73.13 m (CSF-A)

Core U1583C-8H consists of very pale brown (10YR 7/4) nannofossil ooze with clay and foraminifera. Massive bedding and mottling are the two types of sedimentary structures observed. Small to medium-size (0.5-4 cm) pinkish white halos and blebs occurred sporadically through out this core. Biogenic mottling was observed in sections 1 to 4, with the bioturbation intensity dropping to none in sections 5 and 6. Within the intervals with biogenic mottling, distinct ichnogenera were identified and include: Planolites, Thalassinoides, Chondrites, Skolithos, and Palaeophycus. Diversity ranges from 1 to 3 ichnogenera and the maximum diameter ranges from 3 to 15 mm. The upper 65 cm of section 1 was destroyed by drilling disturbances, while the rest of the core contained no drilling disturbances.



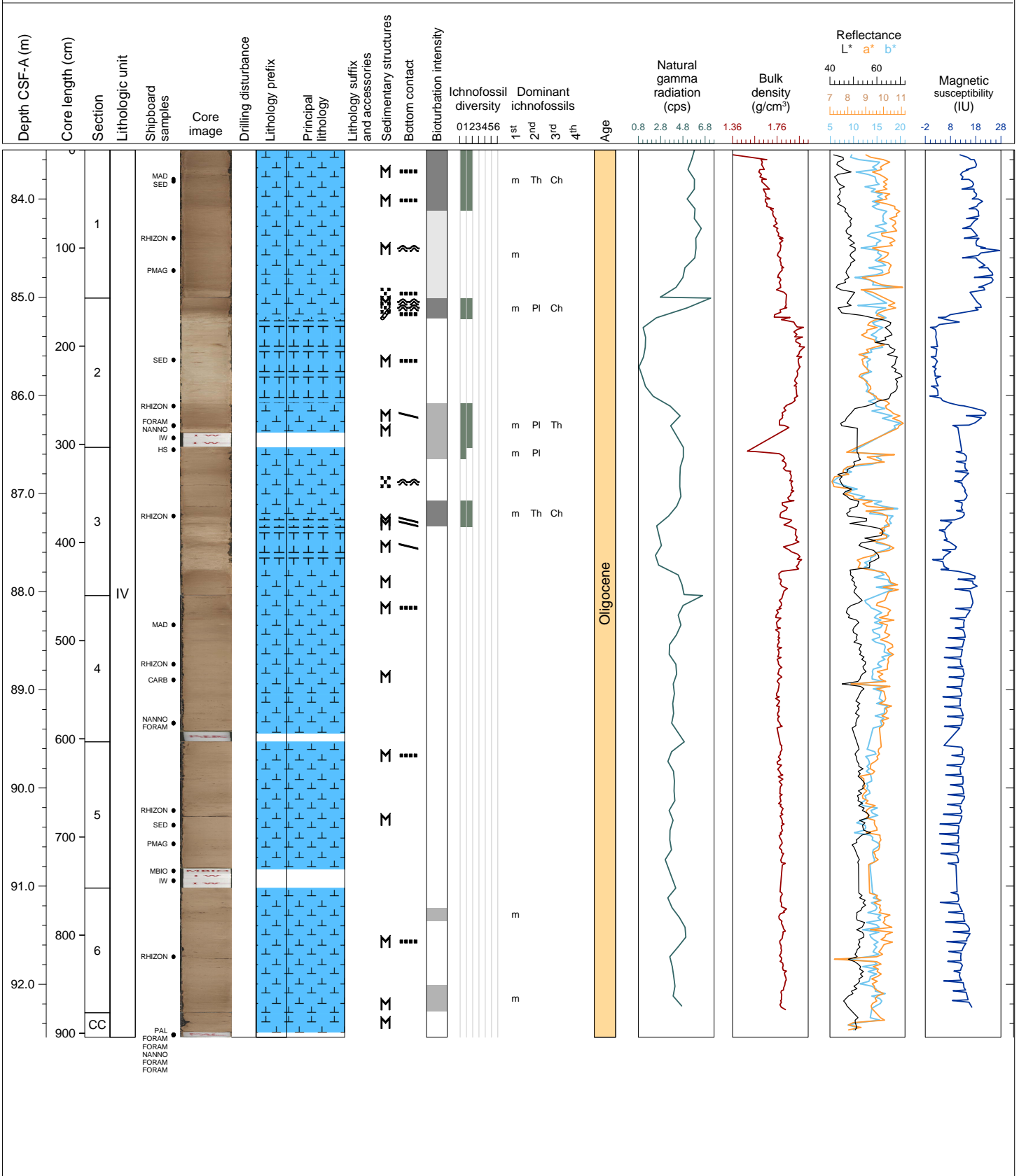
Hole 393-U1583C Core 9H, Interval 74.0-83.27 m (CSF-A)

Core U1583C-9H consists of predominately pink (7.5YR 7/4), light yellowish brown (10YR 6/4), light brown (7.5YR 6/4), reddish brown (7.5YR 6/6) nannofossil ooze with clay and foraminifera. In addition, decimeter thick beds of strong brown (7.5YR 5/6) clayey nannofossil ooze and (7.5YR 4/4) clay occur at the top and bottom of this core as well as a white (7.5YR 8.5/1) calcareous ooze in section 6 between 51 and 105 cm. Lithologic contacts are typically bioturbated, with a few being gradational in nature. Bioturbation intensity ranges from sparse to moderate with distinct ichnogenera occurring that include Planolites, Thalassinoides, Zoophycos, and Skolithos. Diversity ranges from 1 to 3 ichnogenera and the maximum diameter ranges from 3 to 18 mm. With the exception of void in the upper 8 cm of section 1, no drilling disturbances were observed.



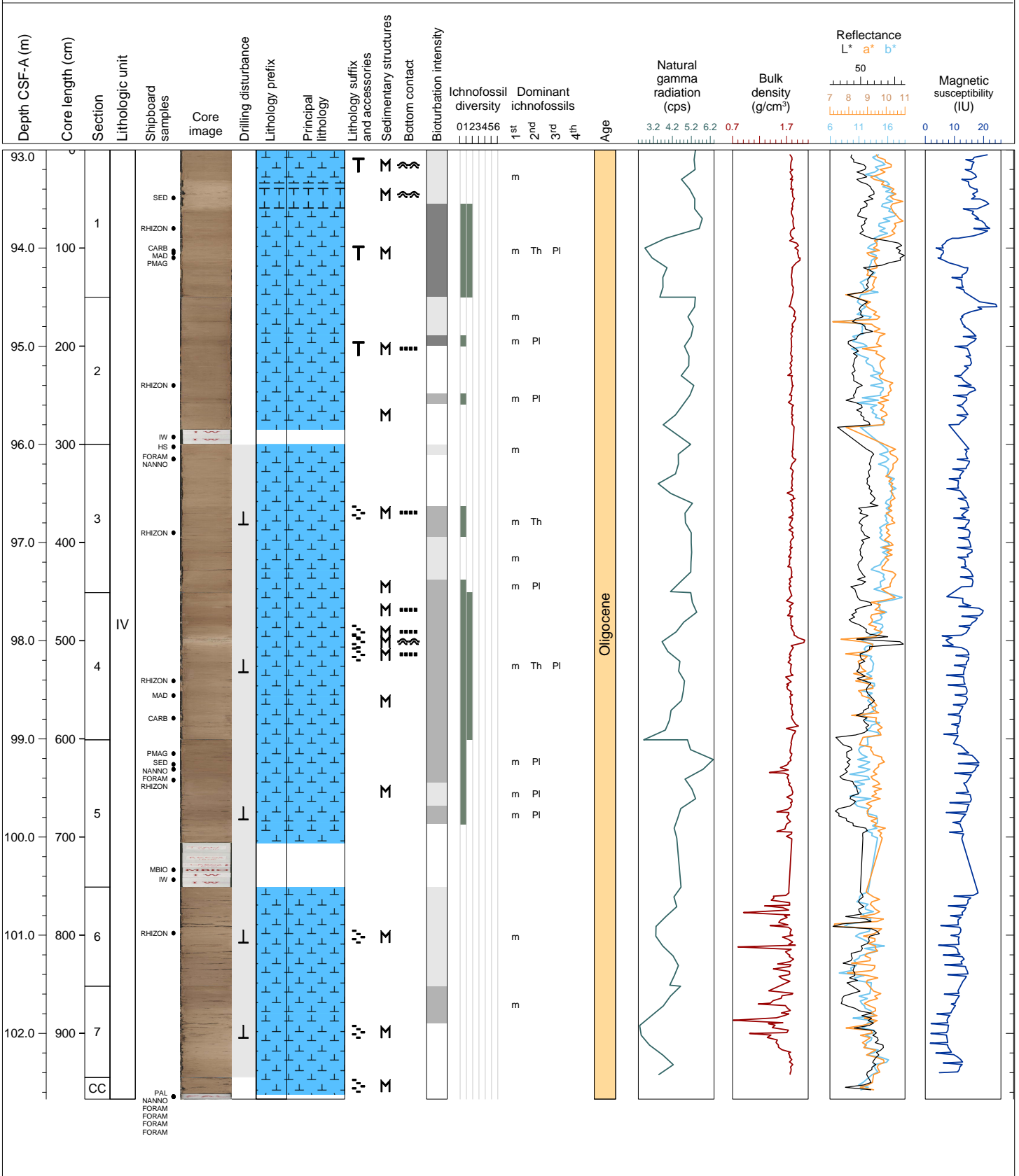
Hole 393-U1583C Core 10H, Interval 83.5-92.54 m (CSF-A)

Core U1583C-10H consists of predominately pink (7.5YR 7/4) to light brown (7.5YR 6/4) nannofossil ooze with clay and foraminifera. Decimeter-thick beds of pinkish white (7.5YR 8/2) calcareous ooze occur in sections 2 and 3. Lithologic contacts are gradational within the nannofossil ooze and clay and foraminifera and are sharp when the calcareous ooze occurs. Sedimentary structures are typically massive bedding with occasional decimeter thick beds that are mottled. Biogenic mottling occurs throughout sections 1 to 3 and is rare in sections 4 through 6. Within the intervals that biogenic mottling occur, distinct ichnogenera were identified and include: Planolites, Thalassinoides, and Chondrites. Diversity range from 1 to 2 and the maximum diameter ranges from 4 to 20 mm. No drilling disturbances were identified in this core.



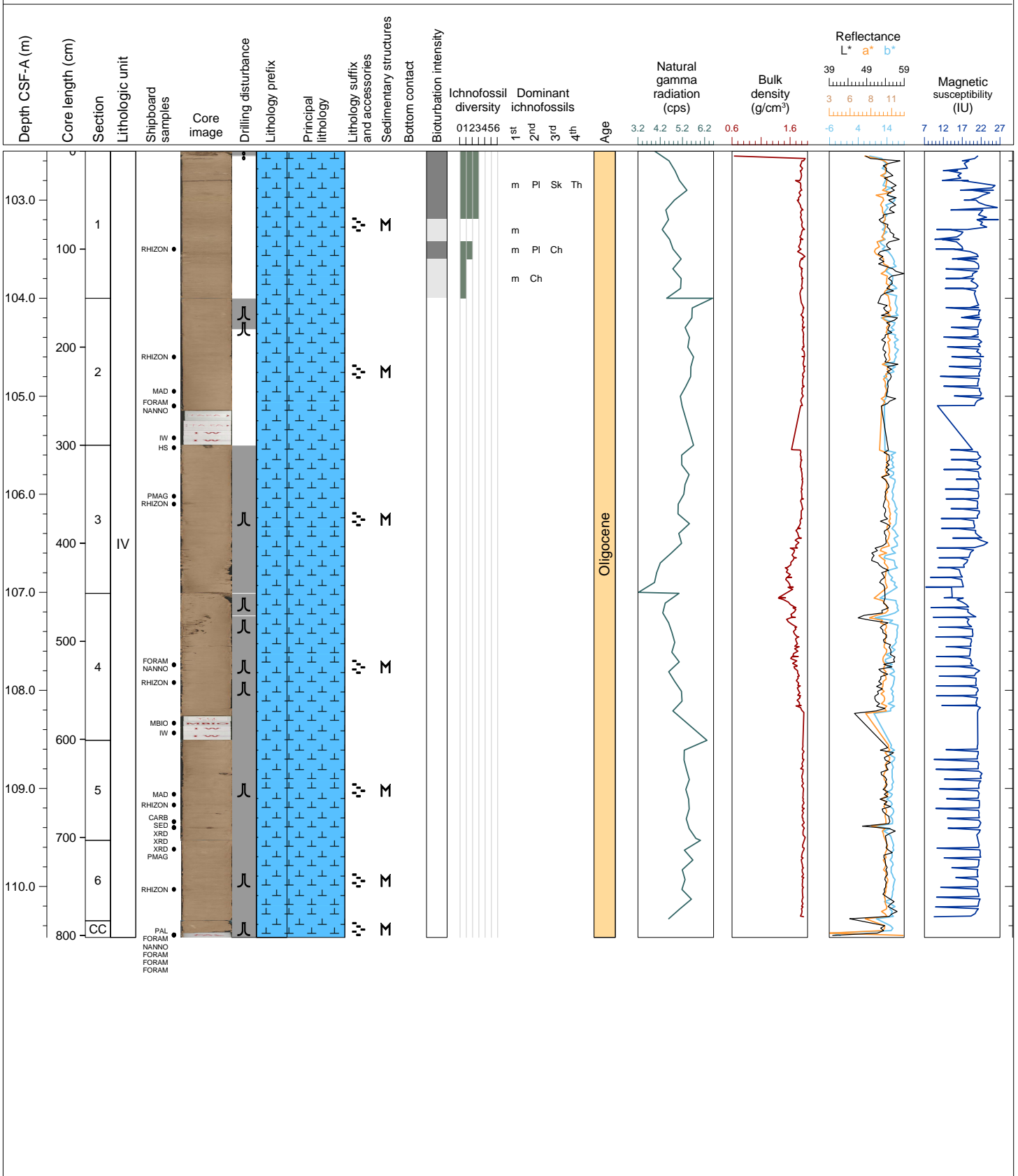
Hole 393-U1583C Core 11H, Interval 93.0-102.67 m (CSF-A)

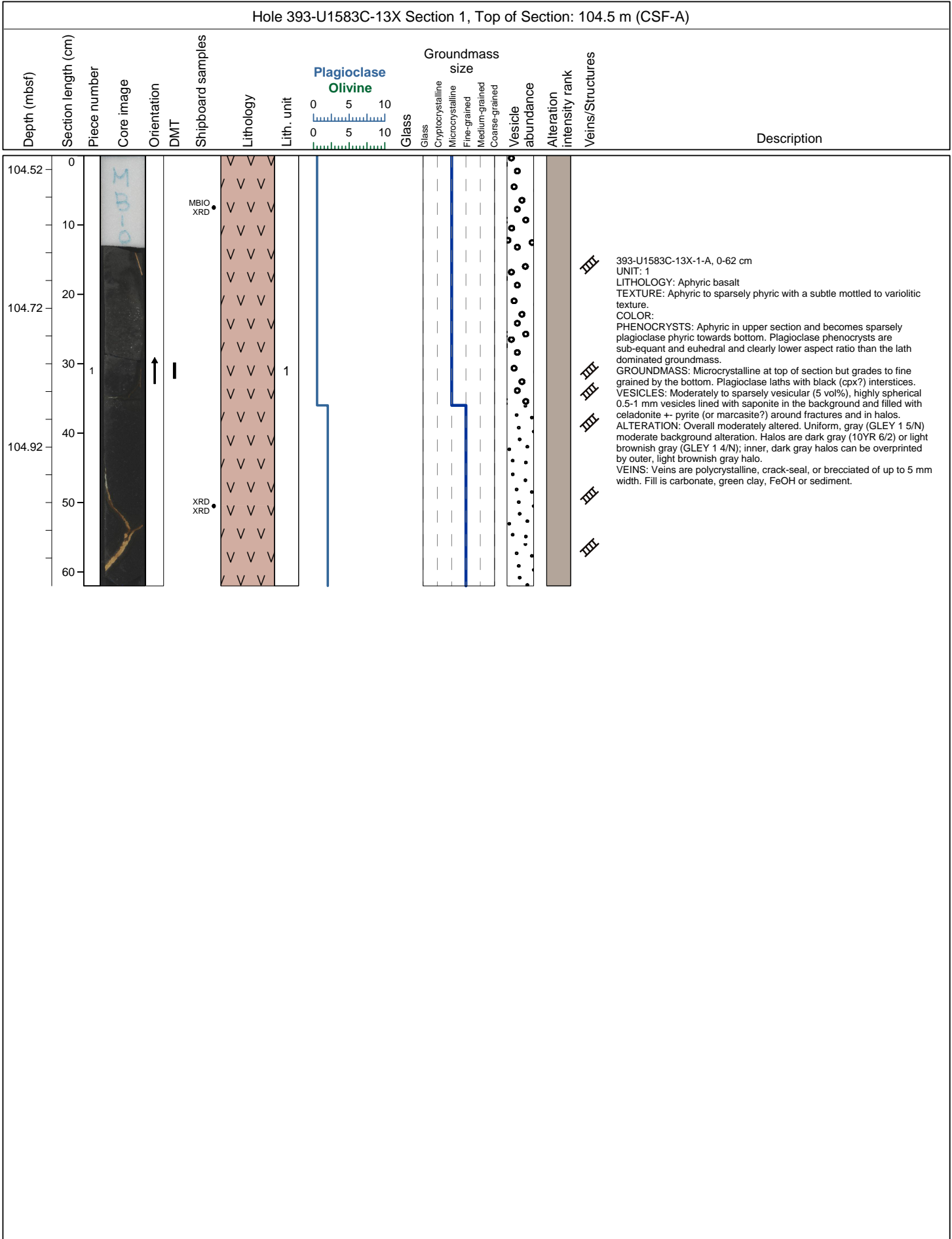
Core U1583C-11H consists of pink (7.5YR 7/4) to light brown (7.5YR 6/4) nannofossil ooze with clay and varying amounts of foraminifera. The bedding is massive. The subtle color changes occur gradually throughout this core. Biogenic mottling occurs in the majority of the core with distinct ichnogenes occurring and include: Planolites and Thalassinoides. Diversity is low ranging from 1 to 2 ichnogenes and the maximum diameter ranges from 4 to 12 mm. There are slight fracturing occurring in sections 3 to 7, otherwise, no other drilling disturbances were observed.

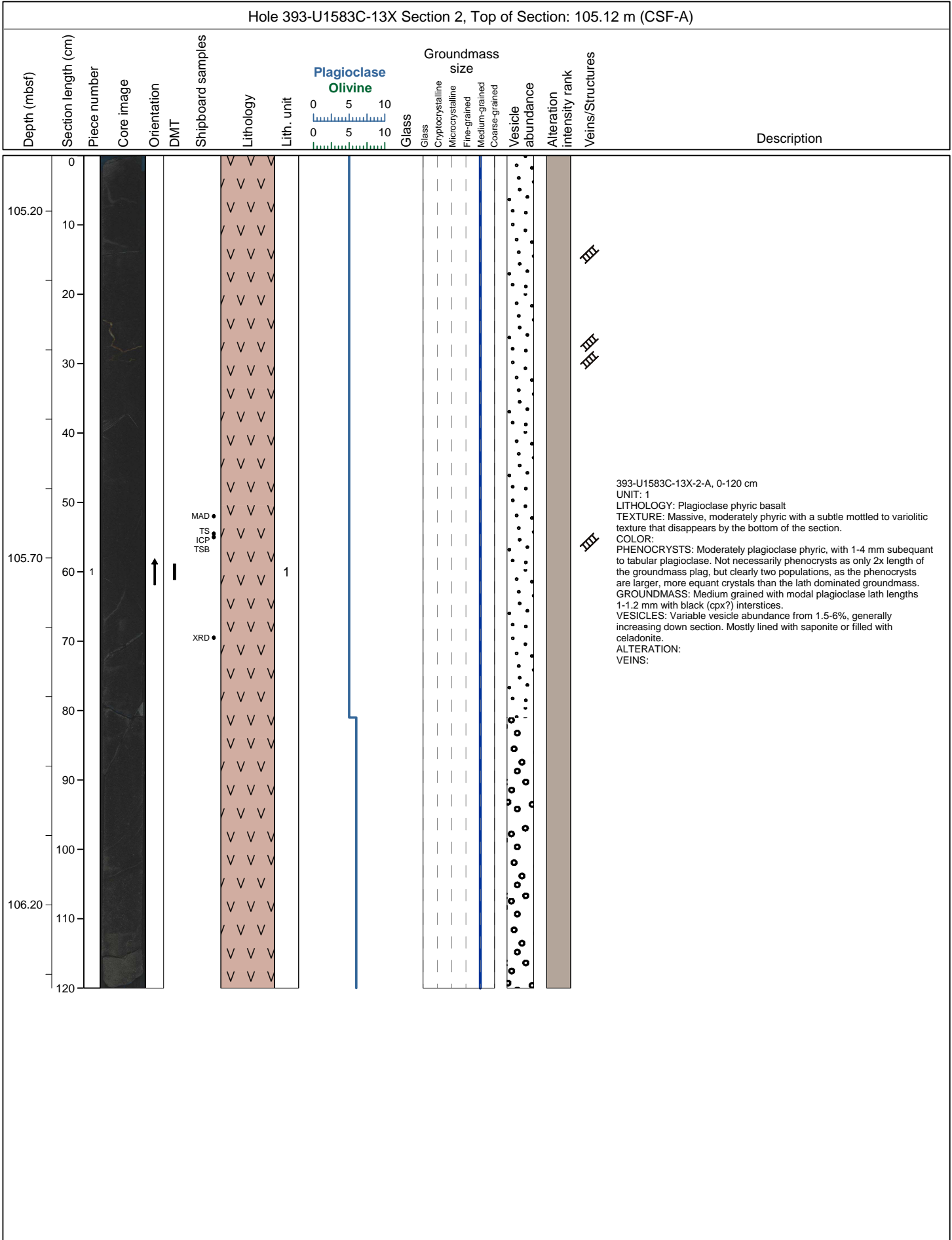


Hole 393-U1583C Core 12H, Interval 102.5-110.52 m (CSF-A)

Core U1583C-12H consists of light brown (7.5YR 6/4) nannofossil ooze with clay. Bedding is massive. Biogenic mottling and ichnofossils are confined to decimeter-thick beds. Distinct ichnogenera include Planolites, Thalassinoides, Chondrites, and Arenicolites. Drilling disturbances include a soupy destroyed 5 cm interval at the top of section 1 and several significant fractures occurring in section 2 at 32 cm and in section 23 an 45 cm.

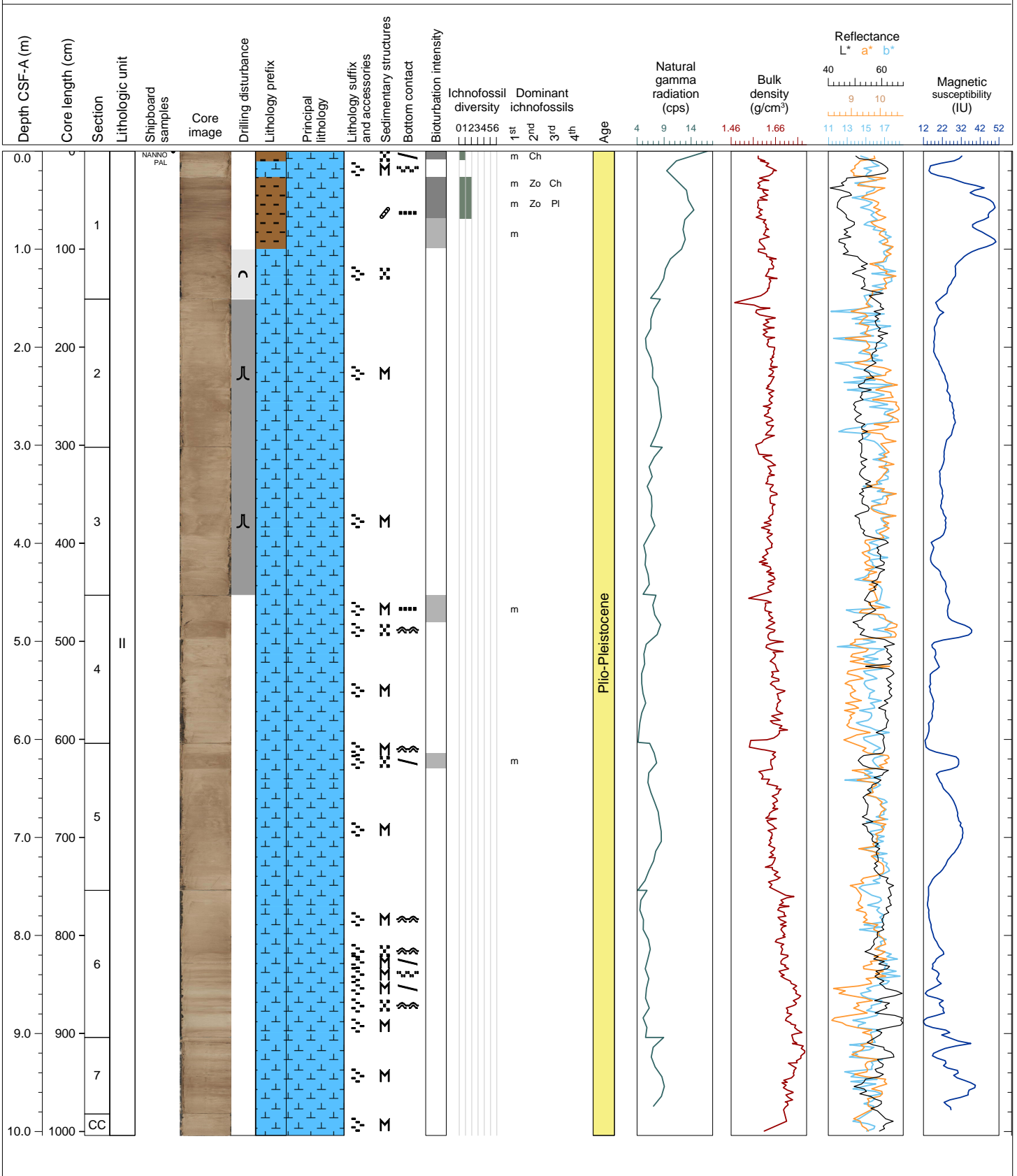






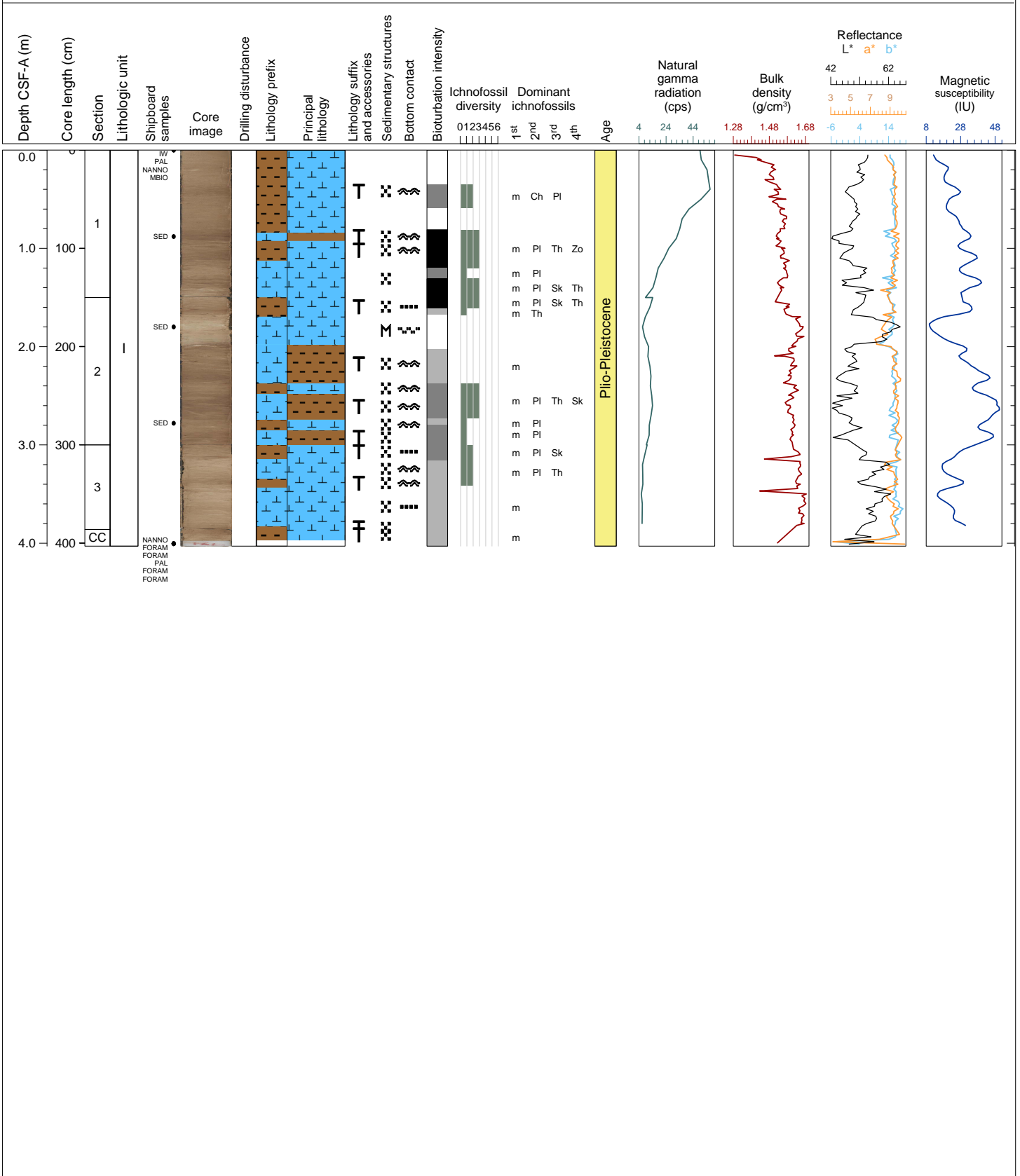
Hole 393-U1583D Core 1H, Interval 0.0-10.04 m (CSF-A)

Core U1583D-1H consists interbedded light brown (7.5YR 6/4) clayey nannofossil ooze and pinkish white (7.5YR 8/2) nannofossil ooze with clay in the upper meter of the core followed by mainly pink (7.5YR 7/3) to light brown (7.5YR 6/4) nannofossil ooze with clay. Lithologic contacts range from bioturbated to gradational. Bedding is typically massive with mottling occurring at the decimeter scale. Biogenic mottling is generally low in this core occurring in decimeter thick beds. Distinct ichnofossils observed within these beds include Zoophycos, Chondrites and Planolites. Ichnofossil diversity ranges from 1 to 2 and the maximum diameter ranges from 2 to 5 mm. The core is destroyed from drilling disturbances include the entire second and third sections of the core.



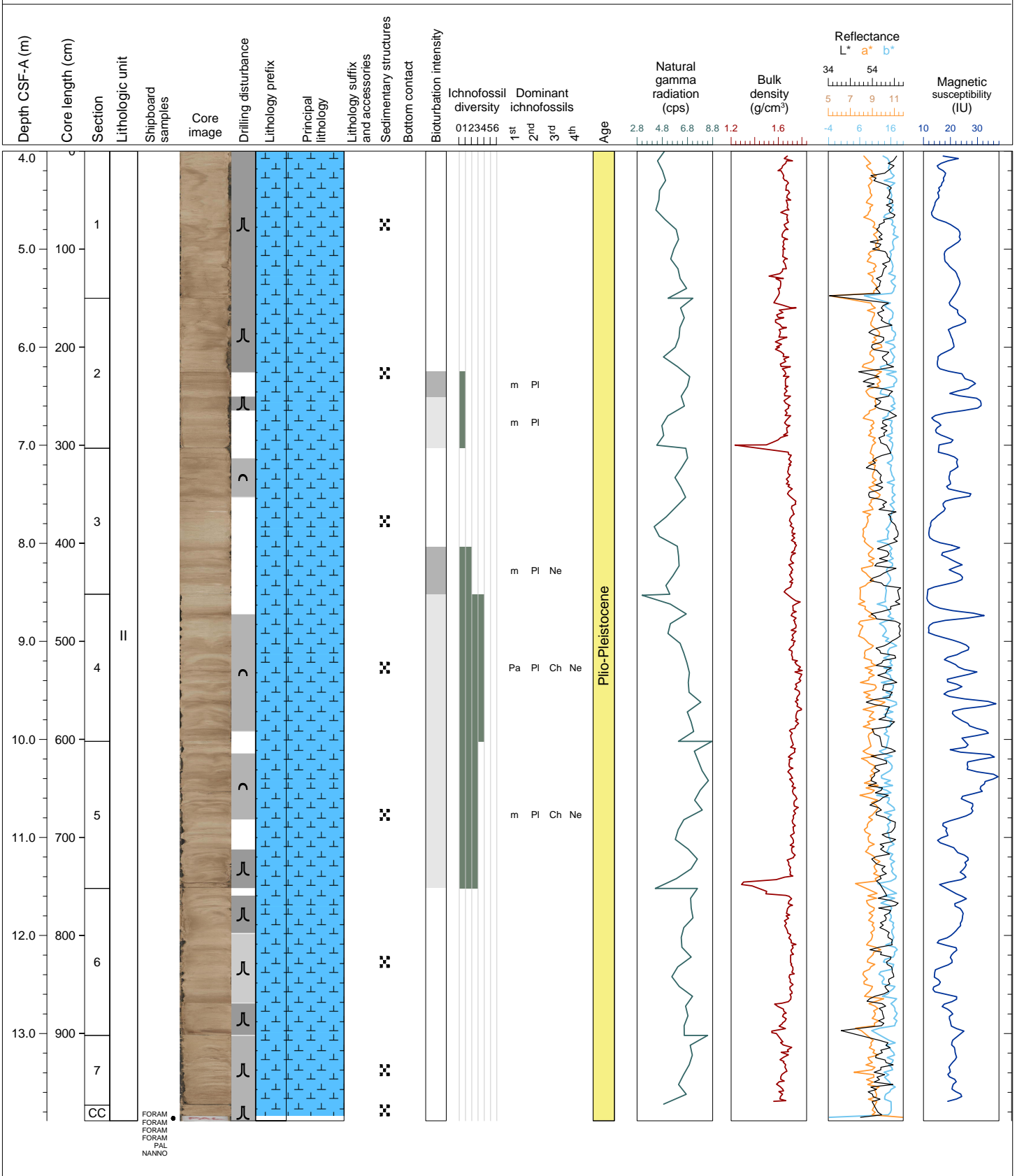
Hole 393-U1583E Core 1H, Interval 0.0-4.03 m (CSF-A)

Core U1583E-1H consists of interbedded light brown (7.5YR 6/4) clayey nanofossil ooze with varying amounts of foraminifera, brown (7.5YR 5/4) nanofossil-rich clay with foraminifera, pink (7.5YR 7/3) nanofossil ooze with clay and foraminifera. The lithologic contacts are typically bioturbated. Mottling is pervasive throughout this core. Distinctive ichnogenera include Planolites, Skolithos, Chondrites, Thalassinoides, and Zoophycos. Diversity ranges from 1 to 3 and the maximum ichnofossil diameter ranges from 4 to 14 mm. No drilling disturbances occurred in this core.



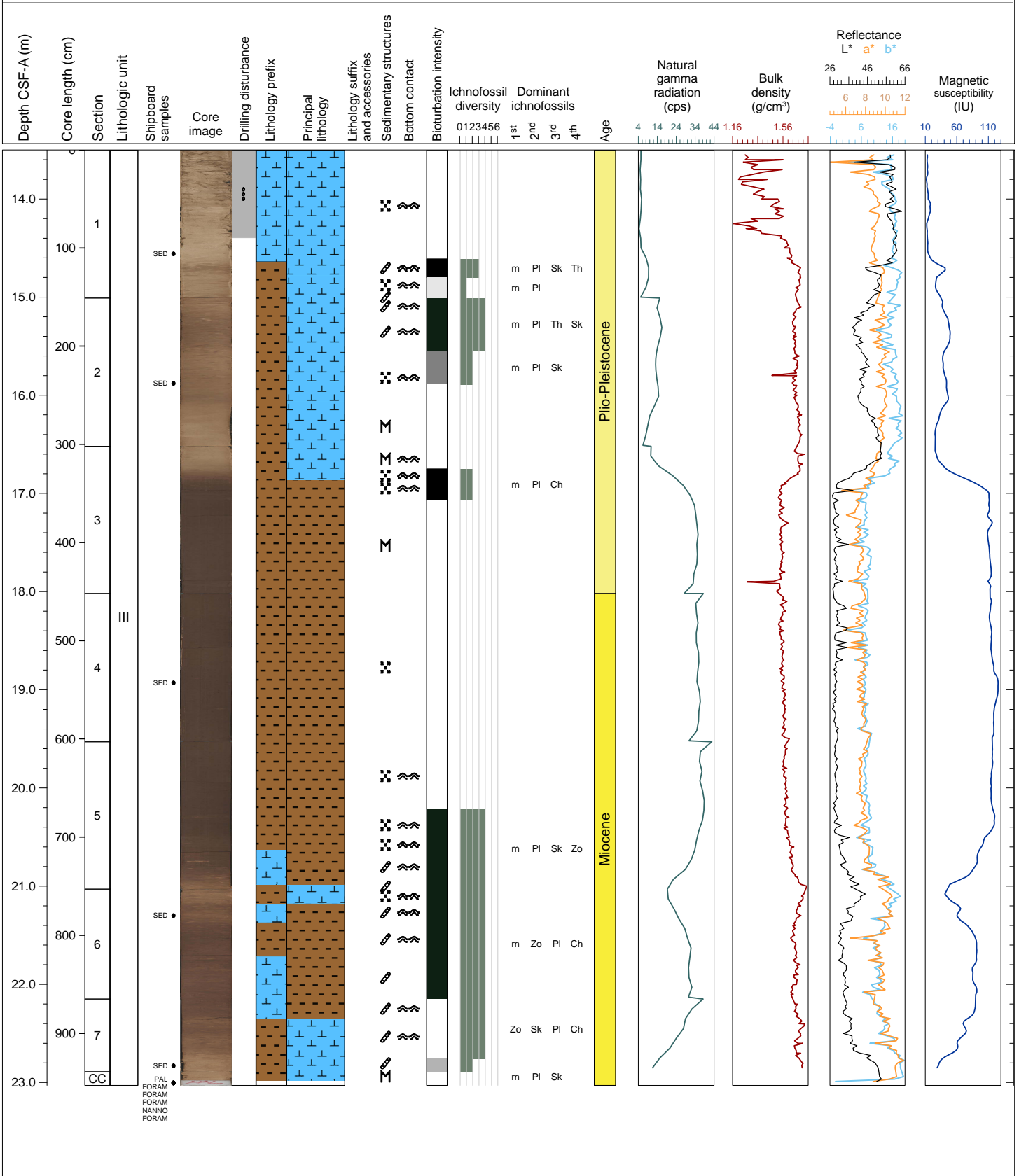
Hole 393-U1583E Core 2H, Interval 4.0-13.89 m (CSF-A)

Core U1583E-2H consists of pink (7.5YR 7/3) nannofossil ooze with clay and foraminifera. The lithologic contacts are typically bioturbated. Mottling is pervasive throughout this core. Distinctive ichnogenera include Planolites, Skolithos, Chondrites, Thalassinoides, and Zoophycos. Diversity ranges from 1 to 3 and the maximum ichnofossil diameter ranges from 4 to 14 mm. No drilling disturbances occurred in this core.



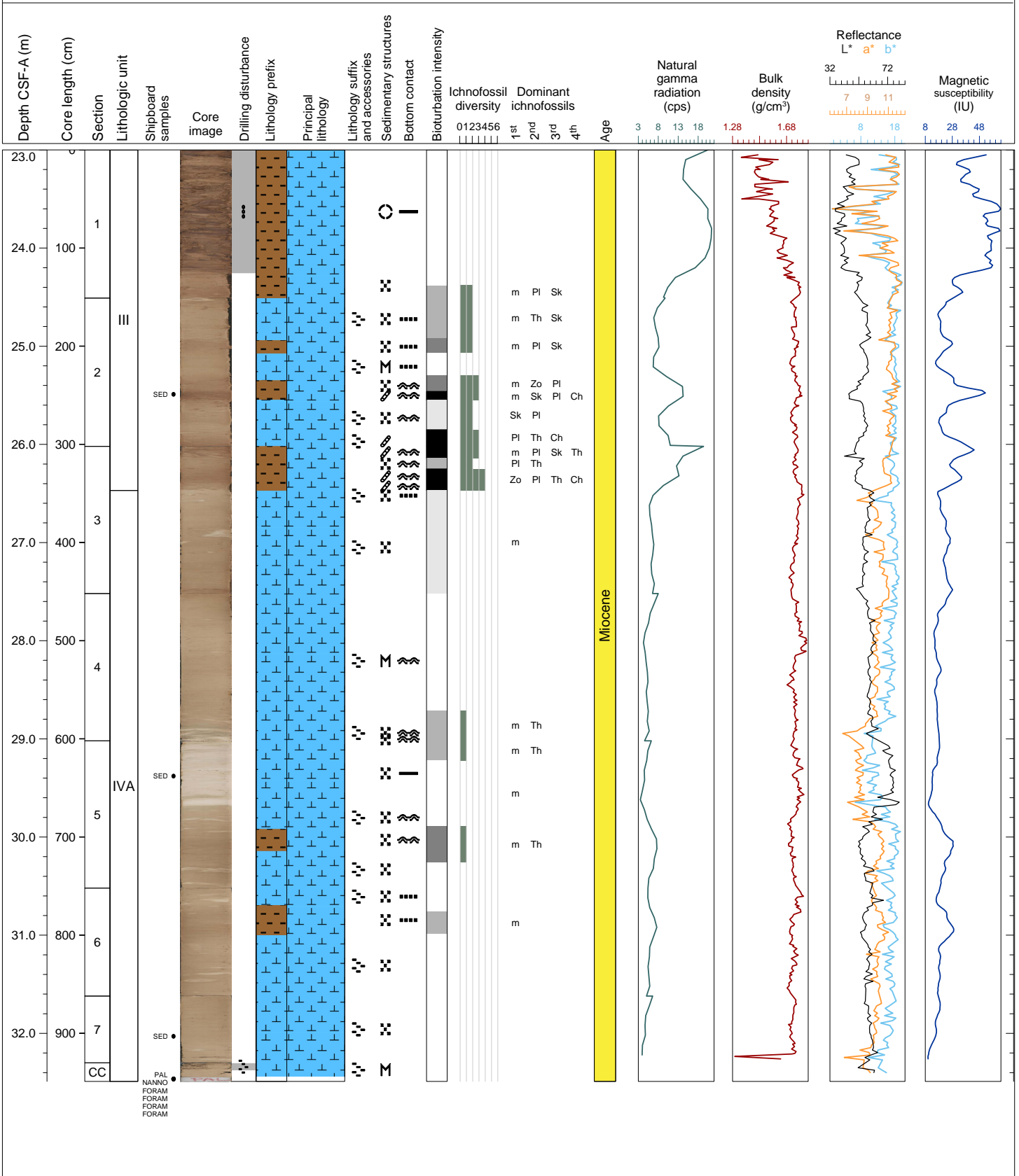
Hole 393-U1583E Core 3H, Interval 13.5-23.03 m (CSF-A)

Core U1583E-3H consists of brown (7.5YR 4/4) to light brown (7.5YR 6/4) clayey nannofossil ooze with spicules from the top of this core to section 3 at 34 cm where the lithology changes to very dark brown (7.5YR 2.5/2) clay and brown (7.5YR 4/4) clayey nannofossil ooze. Starting in section 4 at 0 cm down to the bottom of the core, the lithology becomes interbedded with brown (7.5YR 5/3) clayey nannofossil ooze and light brown (7.5YR 6/4) nannofossil ooze with clay. The contacts between the lithologic units are typically bioturbated and horizontal with a few lower contacts being sub-angular. Sedimentary structures range from massive bedding to mottling. Biogenic mottling and distinct ichnofossils are common to abundant in most of this core and include: Planolites, Skolithos, Thalassinoides, Zoophycos, and Chondrites. Ichnofossil diversity ranges from 1 to 4, and the maximum ichnofossil diameter is 3-23 mm. The upper 90 cm in section 1 is severely disturbed with soupy conditions. Otherwise, no drilling disturbances were observed in this core.



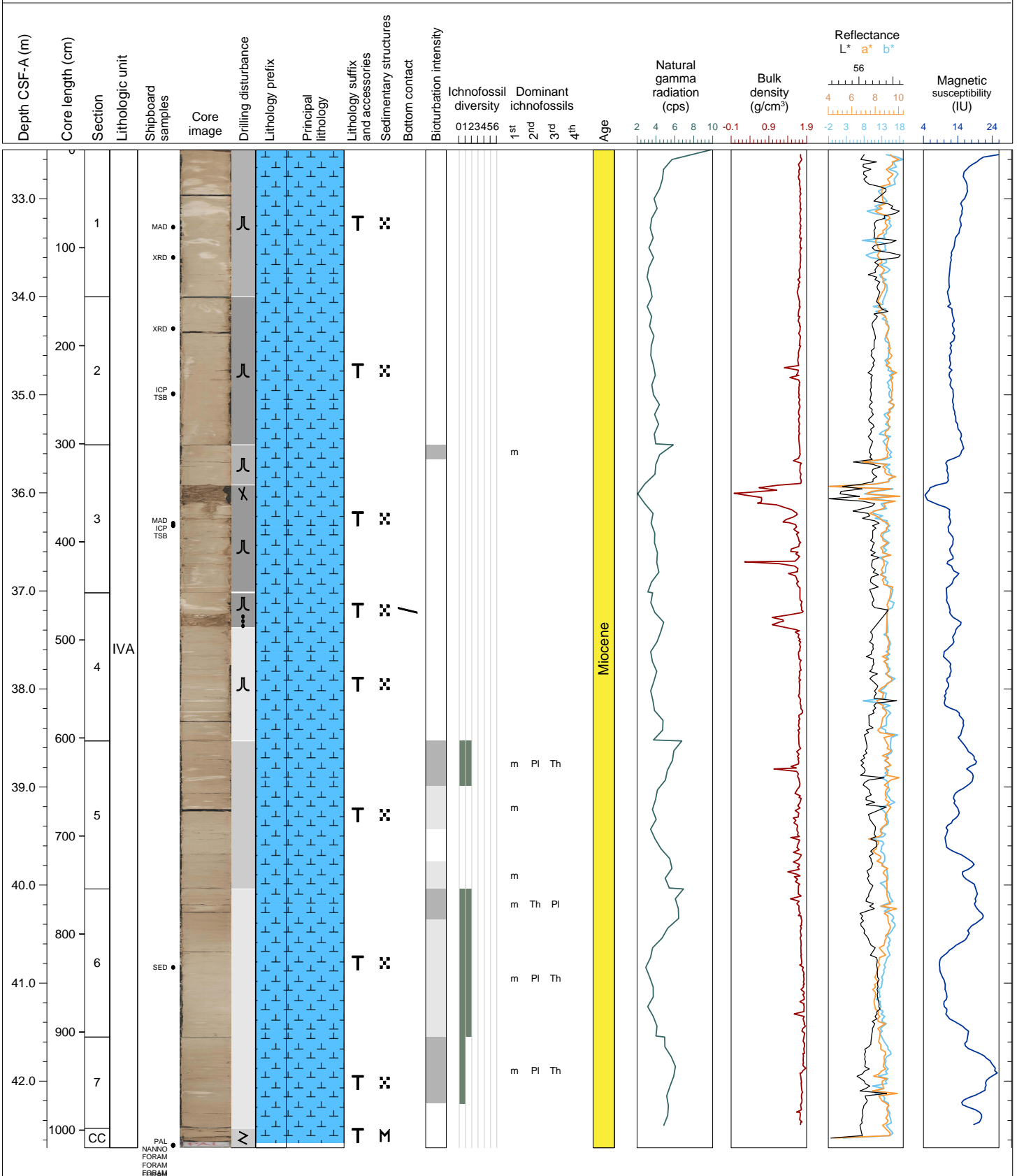
Hole 393-U1583E Core 4H, Interval 23.0-32.49 m (CSF-A)

Core U1583E-4H consists of interbedded pink (7.5YR 7/4) nannofossil ooze with clay and light brown (7.5YR 6/4) clayey nannofossil ooze. Decimeter-thick beds of pink (7.5YR 8/3) to pinkish white (7.5YR 8/2) nannofossil ooze occurs from section 4 at 147m to section 5 at 66.5 cm. The lithologic contacts are mainly bioturbated. Sedimentary structures are typically mottling with occasional decimeter-thick beds of tracks and burrows and massive bedding. Biogenic mottling occurs in decimeter- to meter-scale beds throughout this core. Distinct ichnogenera include Planolites, Skolithos, Thalassinoides, and more rarely Zoophycos and Chondrites. Diversity ranges from 1 to 3, and the maximum ichnofossil diameter ranges from 3 to 23 mm. The upper 110 cm of section 1 consist of soupy/slurry sediments with fragments of dark brown material. Otherwise, no drilling disturbances were observed in this core.



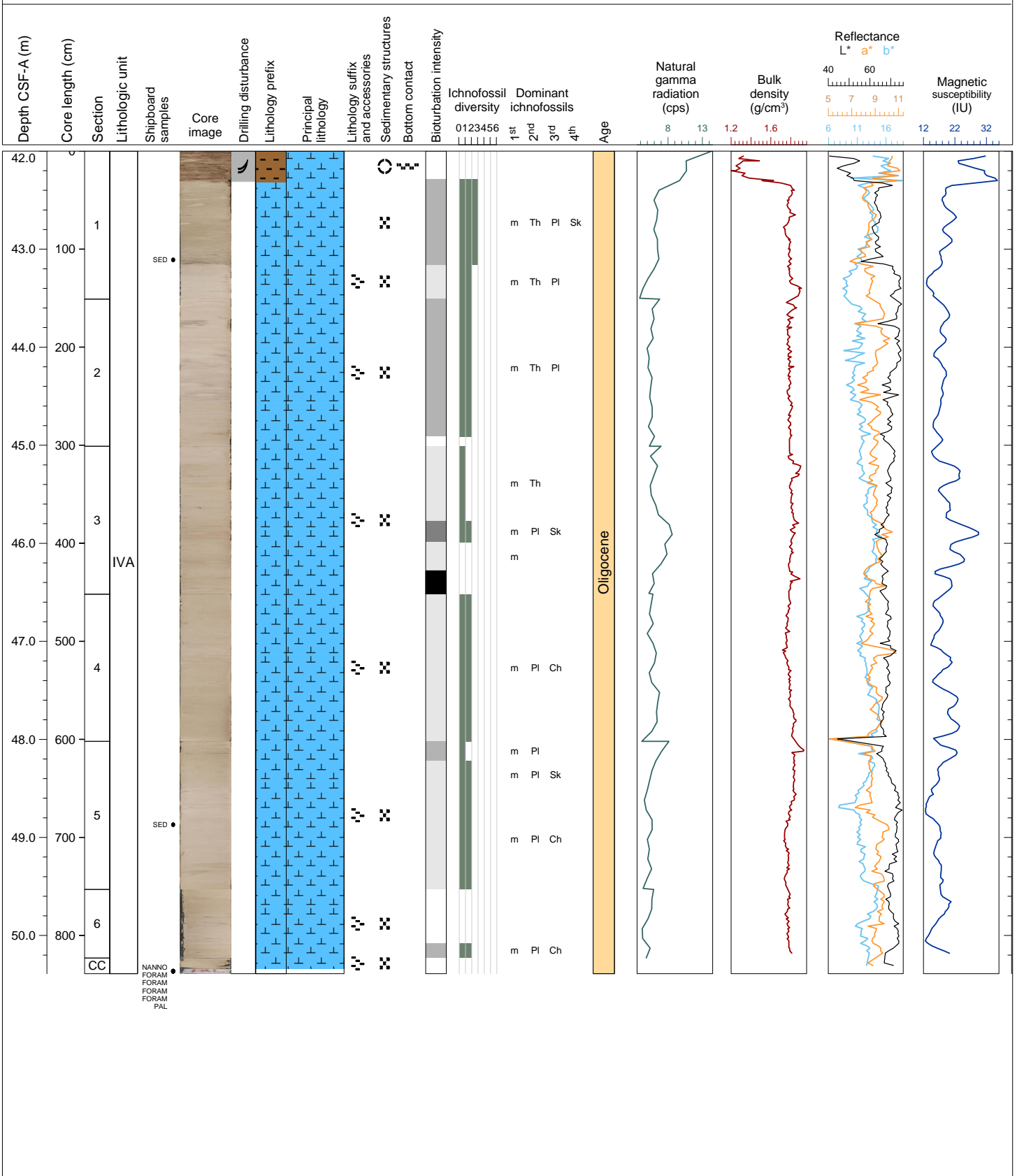
Hole 393-U1583E Core 5H, Interval 32.5-42.68 m (CSF-A)

Core U1583E-5H consists of pink (7.5YR 7/4) nannofossil ooze with foraminifera. Drilling disturbances occur throughout the core ranging from slight to destroyed and include mid core flow in, void, soupy sediments intervals and drilling-related cracks. Mottling was rarely observed. Bioturbation is absent to low, with distinct ichnogenera including Planolites and Thalassinoides. Diversity ranges from 1 to 2, and the maximum trace-fossil diameter ranges from 1 to 22 mm.



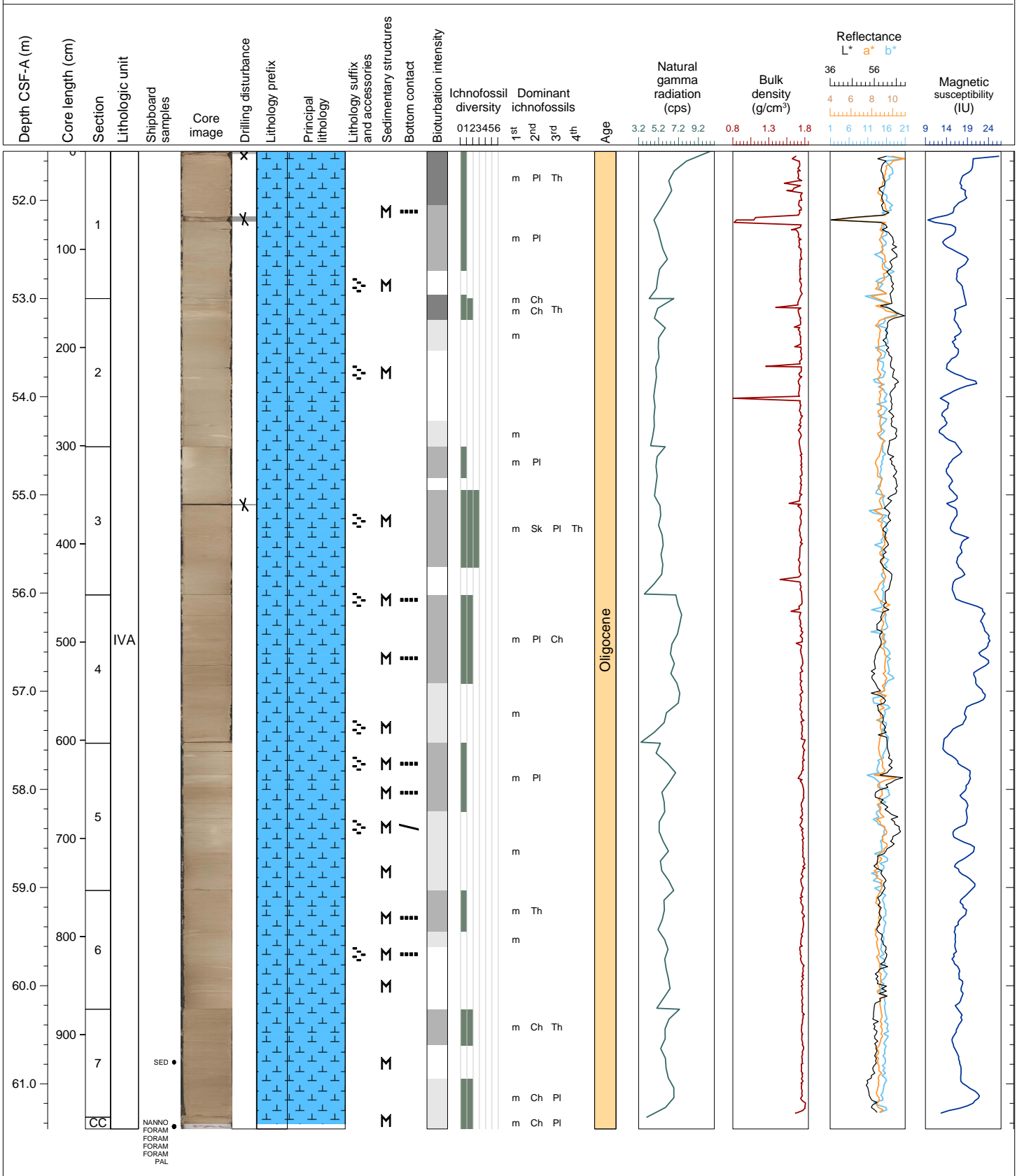
Hole 393-U1583E Core 6H, Interval 42.0-50.39 m (CSF-A)

Core U1583E-6H consists predominantly of mottled pinkish white (7.5YR 8/2) nannofossil ooze with a decimeter thick bed of pink (7.5YR 7/4) nannofossil ooze with foraminifera at section. The upper 31.5 cm of section 1 consist of light brown clayey nannofossil ooze and correspond to a severely disturbed interval (fall-in). Otherwise, no drilling disturbances were observed in this core. Biogenic disturbance is absent to moderate throughout the core and include *Thalassinoides*, *Planolites*, *Chondrites*, and *Skolithos*. Diversity ranges from 1 to 3, and the maximum ichnofossil diameter ranges from 2 to 14 mm.



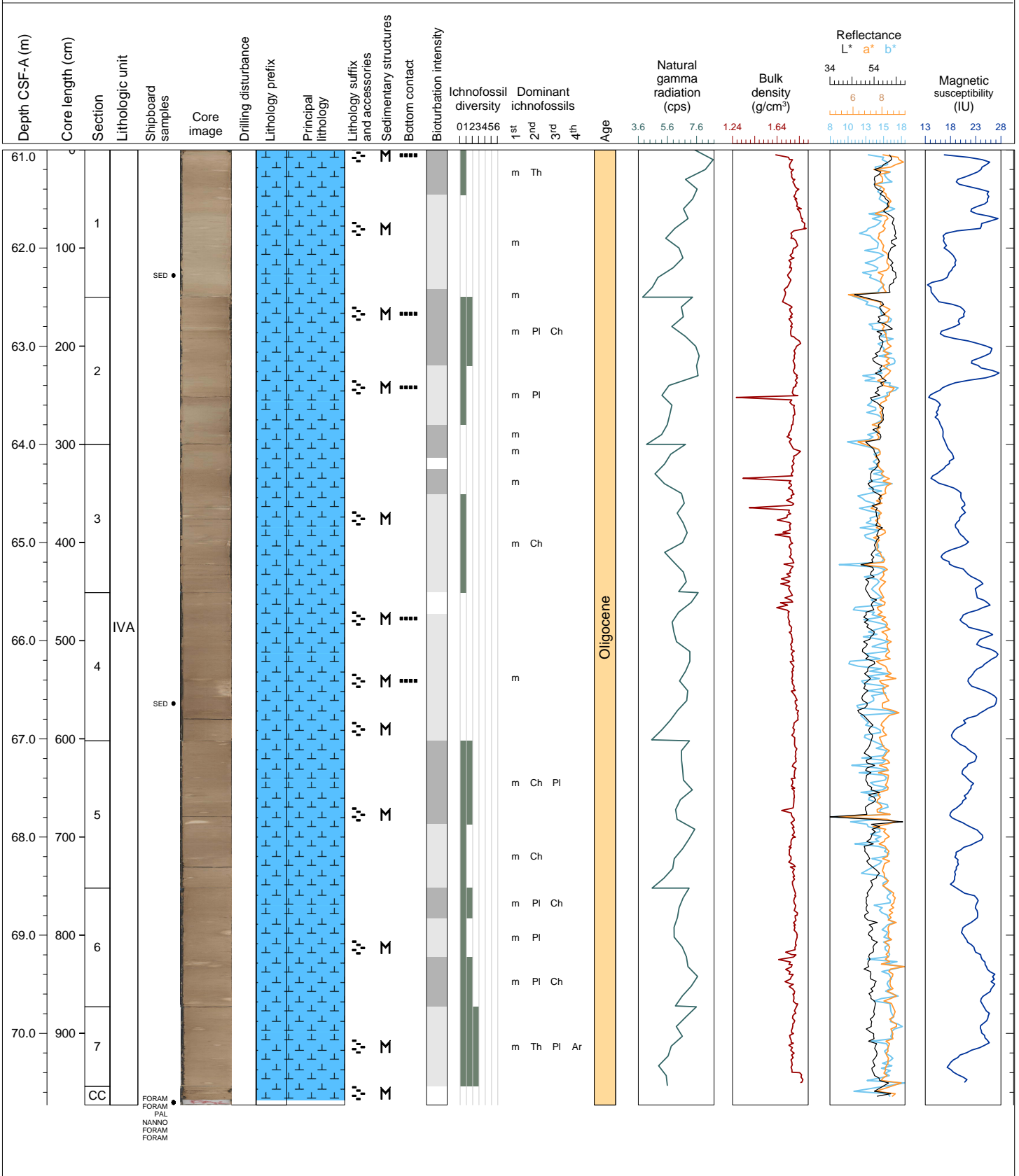
Hole 393-U1583E Core 7H, Interval 51.5-61.46 m (CSF-A)

Core U1583E-7H consists of interbedded pink (7.5YR 7/4) nanofossil ooze with foraminifera and pinkish white (7.5YR 8/2) nanofossil ooze. The bedding is mainly massive and the color changes occur gradually throughout the core. When biogenic mottling is present, bioturbation intensity is sparse to moderate, with distinct ichnogenera including Planolites, Chondrites, Thalassinoides, and Skolithos. Diversity ranges from 1 to 3, and the maximum ichnofossil diameter ranges from 2 to 20 mm. Centimeter-thick intervals are severely disturbed to destroyed in section 1 and section 3.



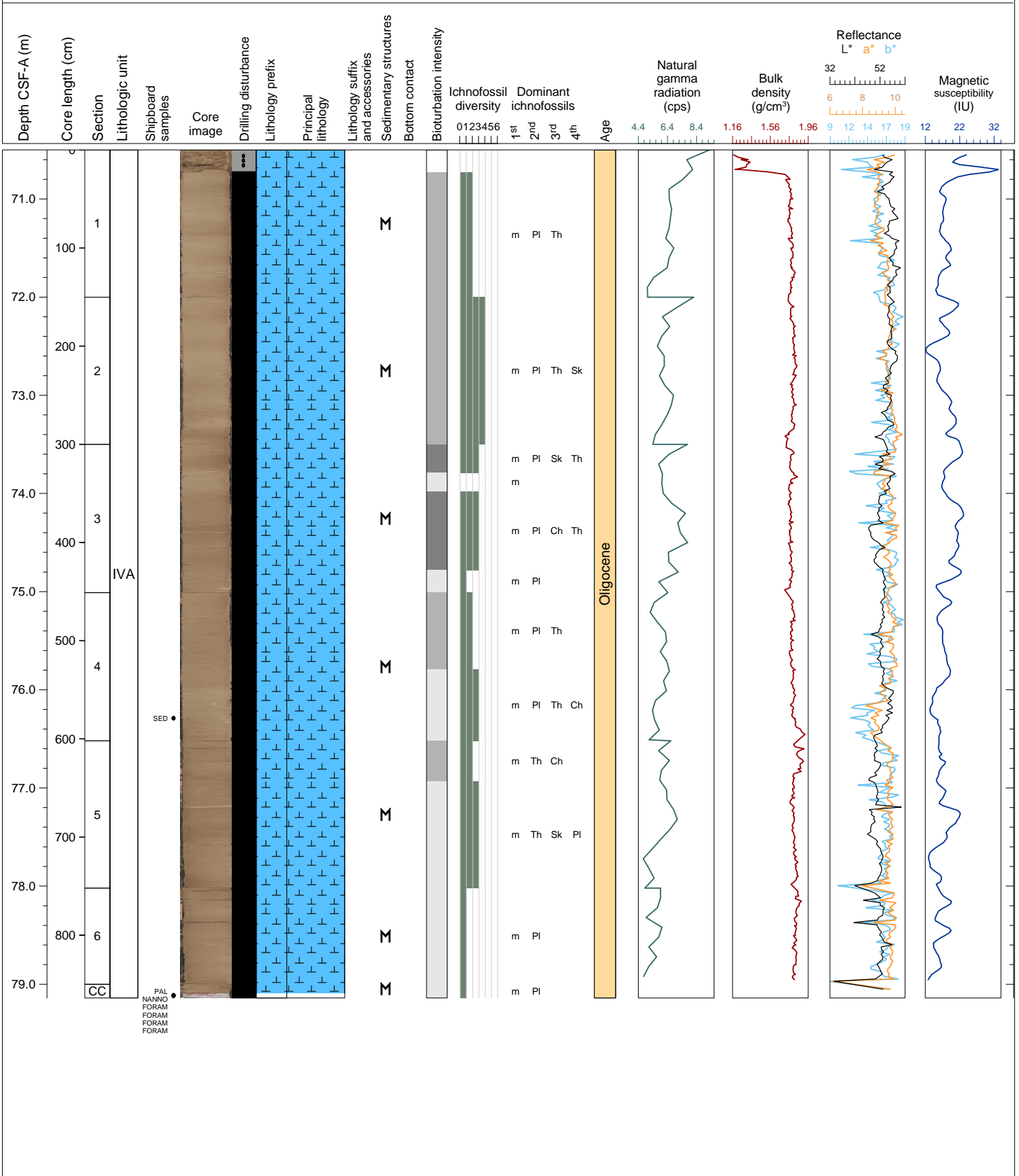
Hole 393-U1583E Core 8H, Interval 61.0-70.73 m (CSF-A)

Core U1583E-8H consists of pinkish white (7.5YR 8/2) and pink (7.5YR 7/4) nannofossil ooze with clay from the top of the core to section 2 at 34 cm where it changes to light brown (7.5YR 6/4) to brown (7.5YR 5/4) clay nannofossil ooze with clay. The bedding is mainly massive and the color changes are gradational. Bioturbation intensity is absent to low. Distinct ichnogenera include Planolites, Chondrites, rarely Thalassinoides and Arenicolites. Diversity ranges from 1 to 3, and the maximum ichnofossil diameter ranges from 2 to 18 mm. No drilling disturbances were observed in this core.



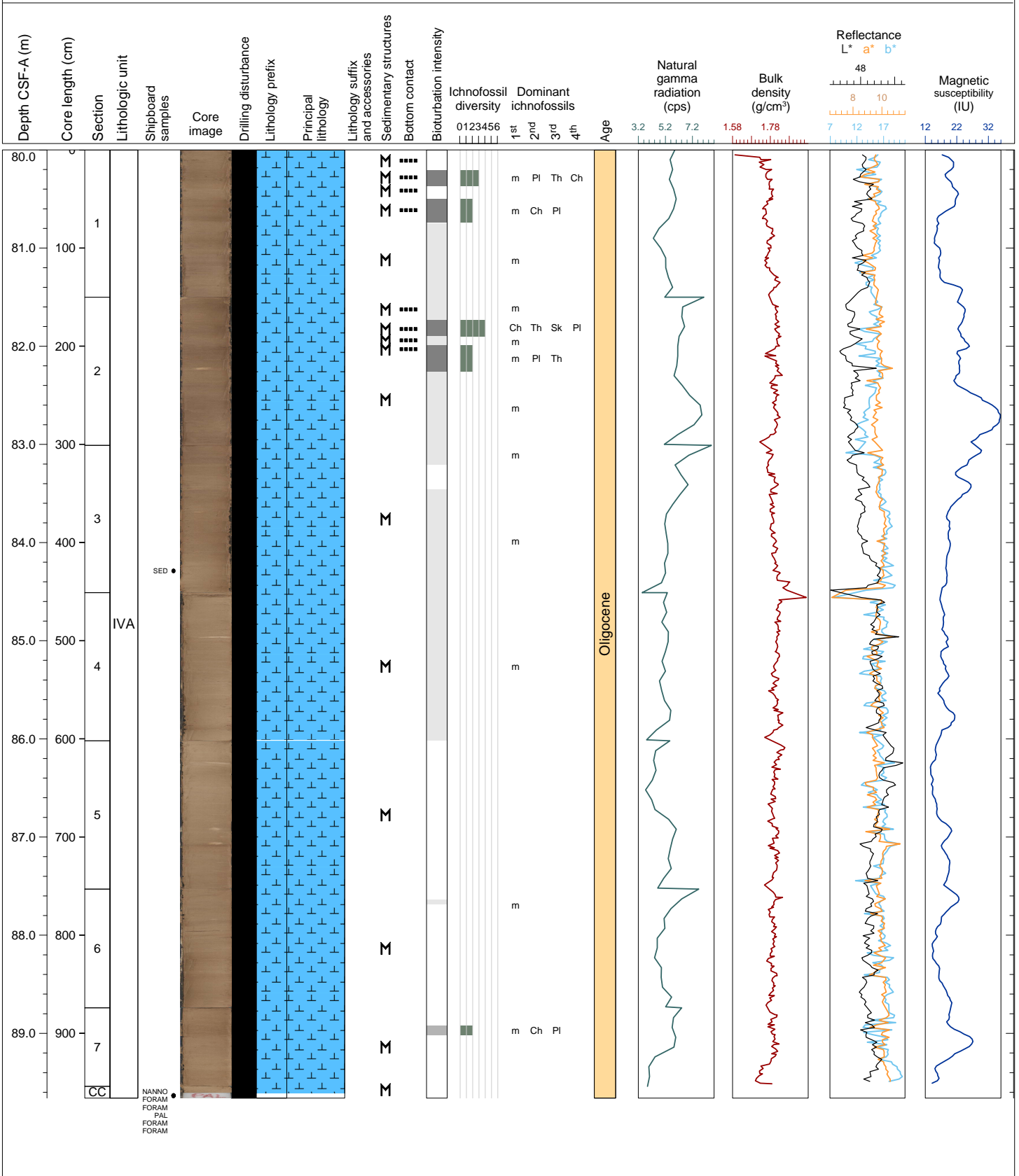
Hole 393-U1583E Core 9H, Interval 70.5-79.14 m (CSF-A)

Core U1583E-9H consists of light brown (7.5YR 6/4) nannofossil ooze with clay and foraminifera with a 1.5 m thick bed of brown (7.5YR 5/4) nannofossil ooze with clay and foraminifera in section 4 between 0 and 151 cm. The bedding is mainly massive. Sparse to moderate biogenic mottling with distinct ichnogenera, including Planolites, Thalassinoides, Skolithos, and Chondrites, is present. Diversity ranges from 1 to 4, and the maximum ichnofossil diameter ranges from 3 to 20 mm. The upper 22 cm of the section 1 consist of destroyed soupy sediments, otherwise, no other drilling disturbances were observed in this core.



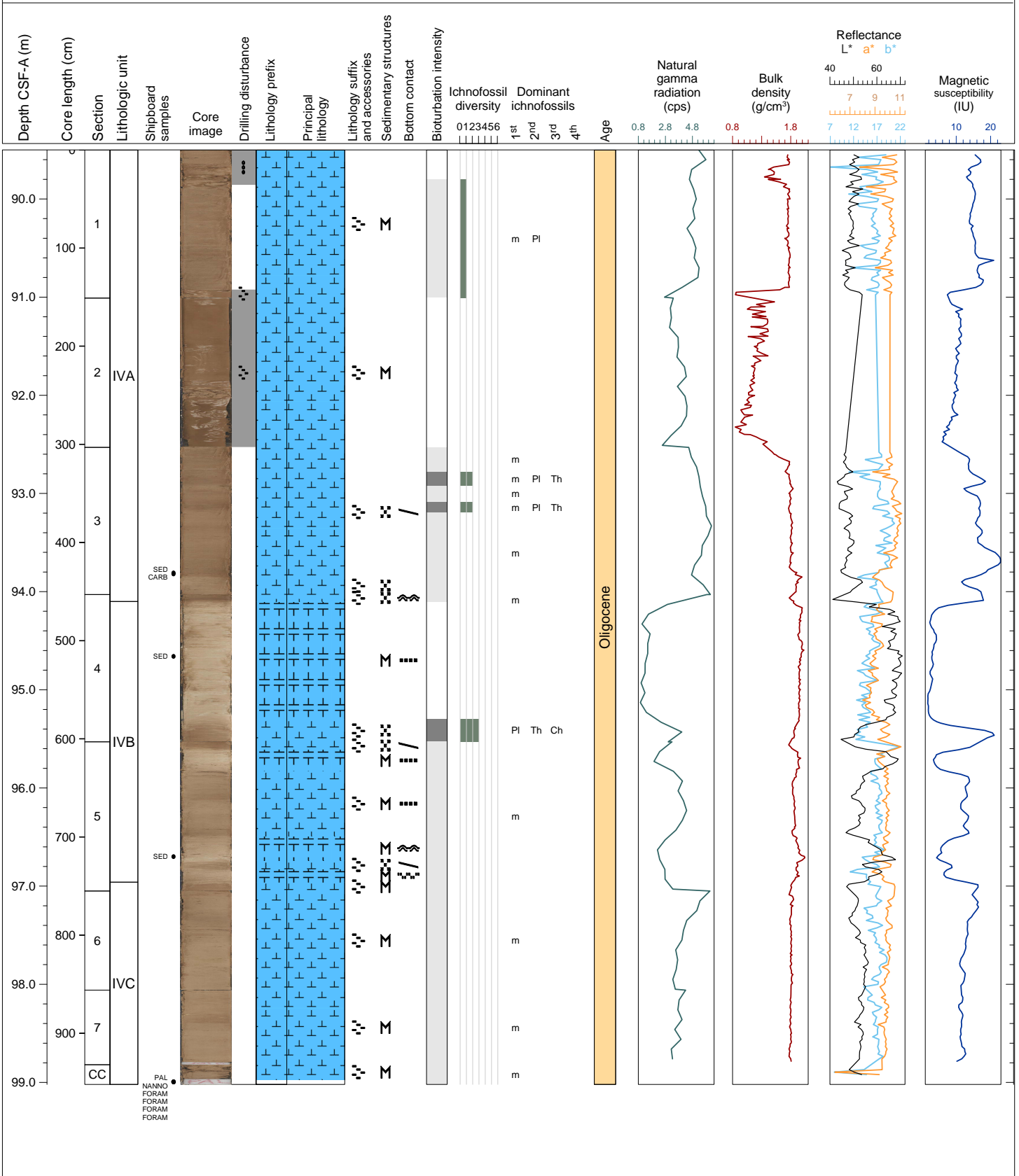
Hole 393-U1583E Core 10H, Interval 80.0-89.66 m (CSF-A)

Core U1583E-10H consists of light brown (7.5YR 6/4) nannofossil ooze with clay and foraminifera that is interbedded by decimeter-thick beds of brown (7.5YR 5/4) nannofossil ooze with clay and foraminifera between the top of the core and 58 cm at section 2. The bedding is massive and the color changes are gradational. Bioturbation is absent to moderate throughout sections 1 to 3 and predominantly absent in the rest of the core. Distinct ichnogenera includes Planolites, Thalassinoides, Skolithos, and Chondrites. Diversity ranges from 2 to 4, and the maximum ichnofossil diameter ranges from 4 to 17 mm. No drilling disturbances were observed in this core.



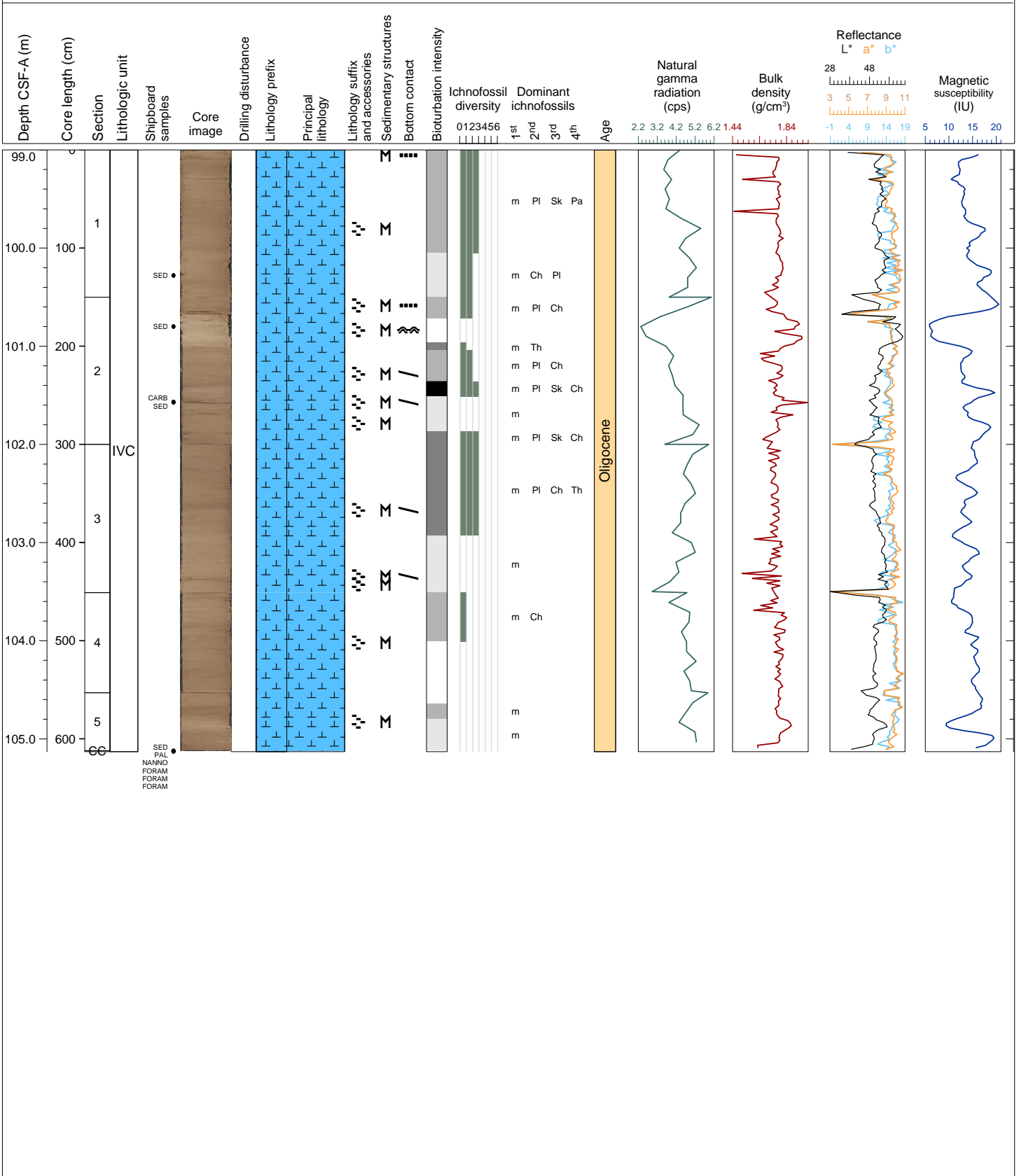
Hole 393-U1583E Core 11H, Interval 89.5-99.02 m (CSF-A)

Core U1583E-11H consists of a brown (7.5YR 5/4) nannofossil ooze with clay from the top to section 3 at 132 cm. This is followed by decimeter thick beds of pinkish white (7.5YR 8/2) to pink (7.5YR 7/4) calcareous ooze which alternates with decimeter-thick beds of calcareous ooze with clay of light brown color (7.5YR 6/4). Sedimentary structures alternate between meter-thick beds of massive bedding and mottling. Lithologic contacts are predominantly gradational with a few being sharp, bioturbated, and irregular. Biogenic disturbance is absent to moderate. Within the intervals with biogenic mottling, distinct ichnogenera were identified, such as Planolites, Thalassinoides, and Chondrites. Diversity ranges from 1 to 3, and the maximum trace-fossil diameter ranges from 5 to 12 mm. Severe drilling disturbances including soupy/slurry intervals and up arching occur throughout the section 1, 2 and 5 of the core, otherwise, no other drilling disturbances were observed.



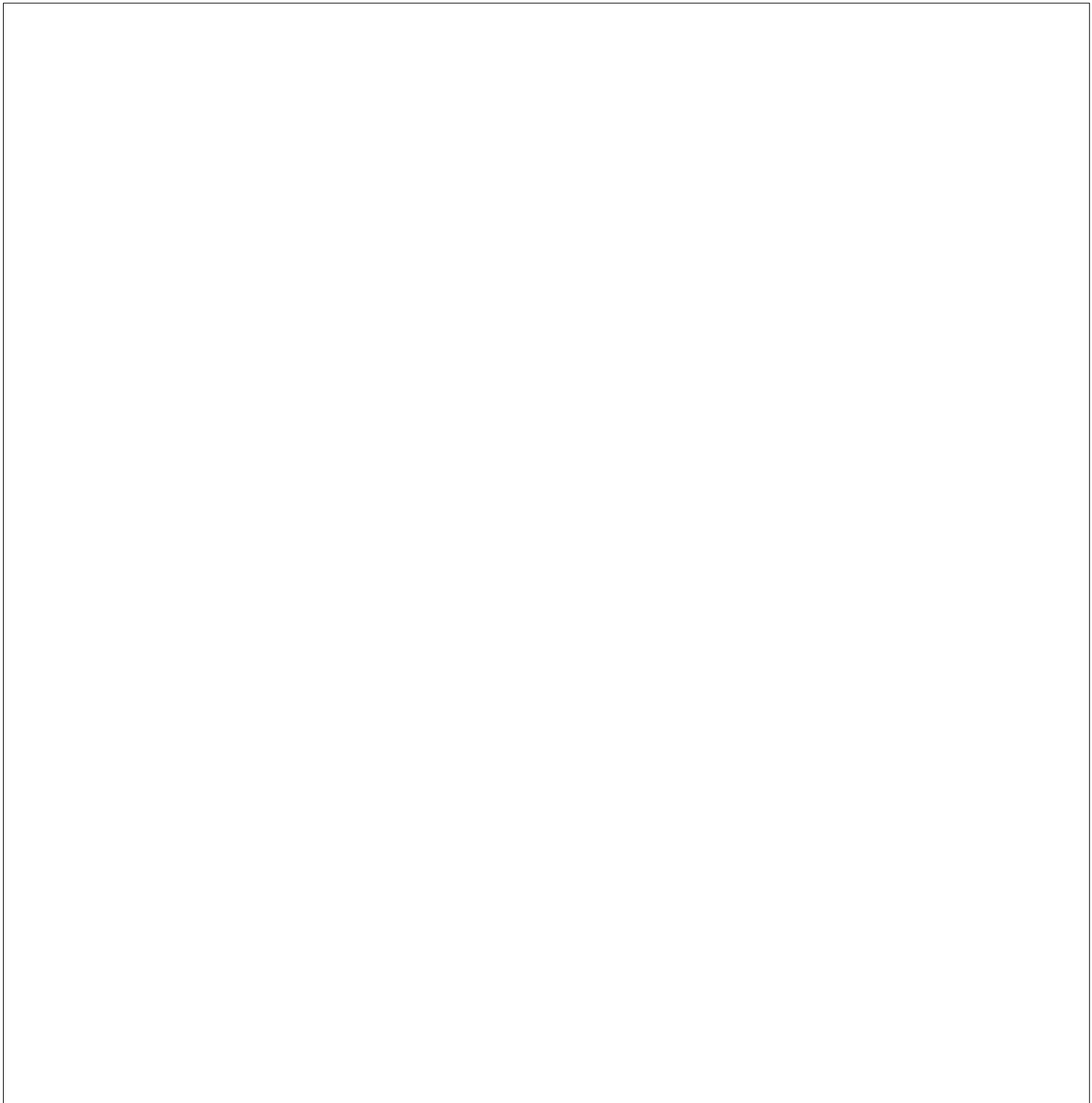
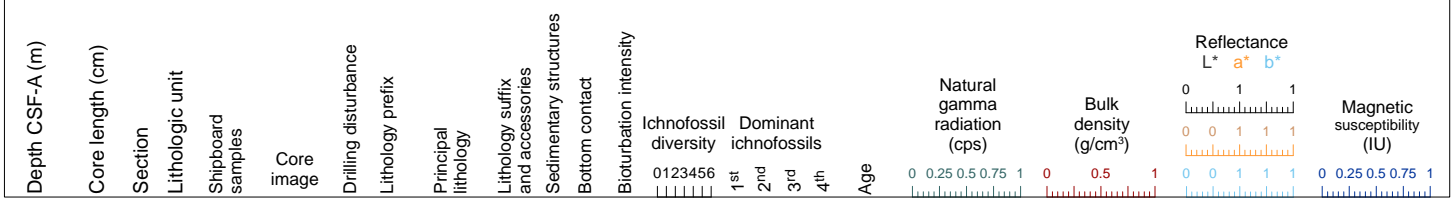
Hole 393-U1583E Core 12H, Interval 99.0-105.13 m (CSF-A)

Core U1583E-12H consists of light brown (7.5YR 6/4) nannofossil ooze with clay with two decimeter-thick beds of pink (7.5YR 7/3) nannofossil ooze in the upper part of sections 1 and 2. Two centimeter thick beds occurring in section 2 and 3 are semi-lithified. The bedding is mainly massive and the bottom lithological contacts are gradational, except for the semi-lithified, sharp, thin beds. Bioturbation intensity ranges from absent to high, with distinct ichnogenera including Planolites, Chondrites, Thalassinoides, and rarely Skolithos. Diversity ranges from 1 to 3, and the maximum trace-fossil diameter ranges from 2 to 10 mm. No drilling disturbances were observed in this core.



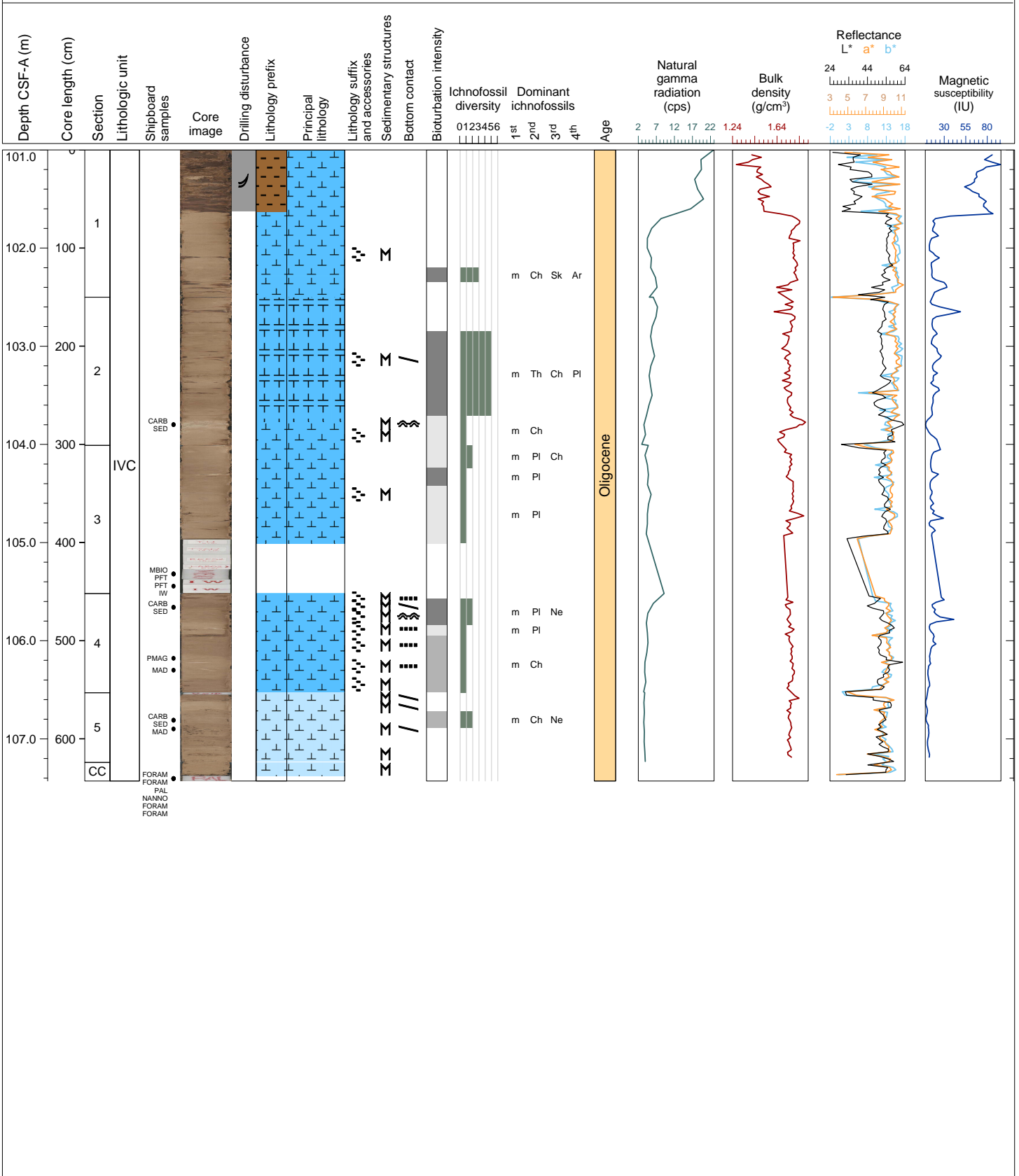
Hole 393-U1583F Core 11, Interval 0.0-0.0 m (CSF-A)

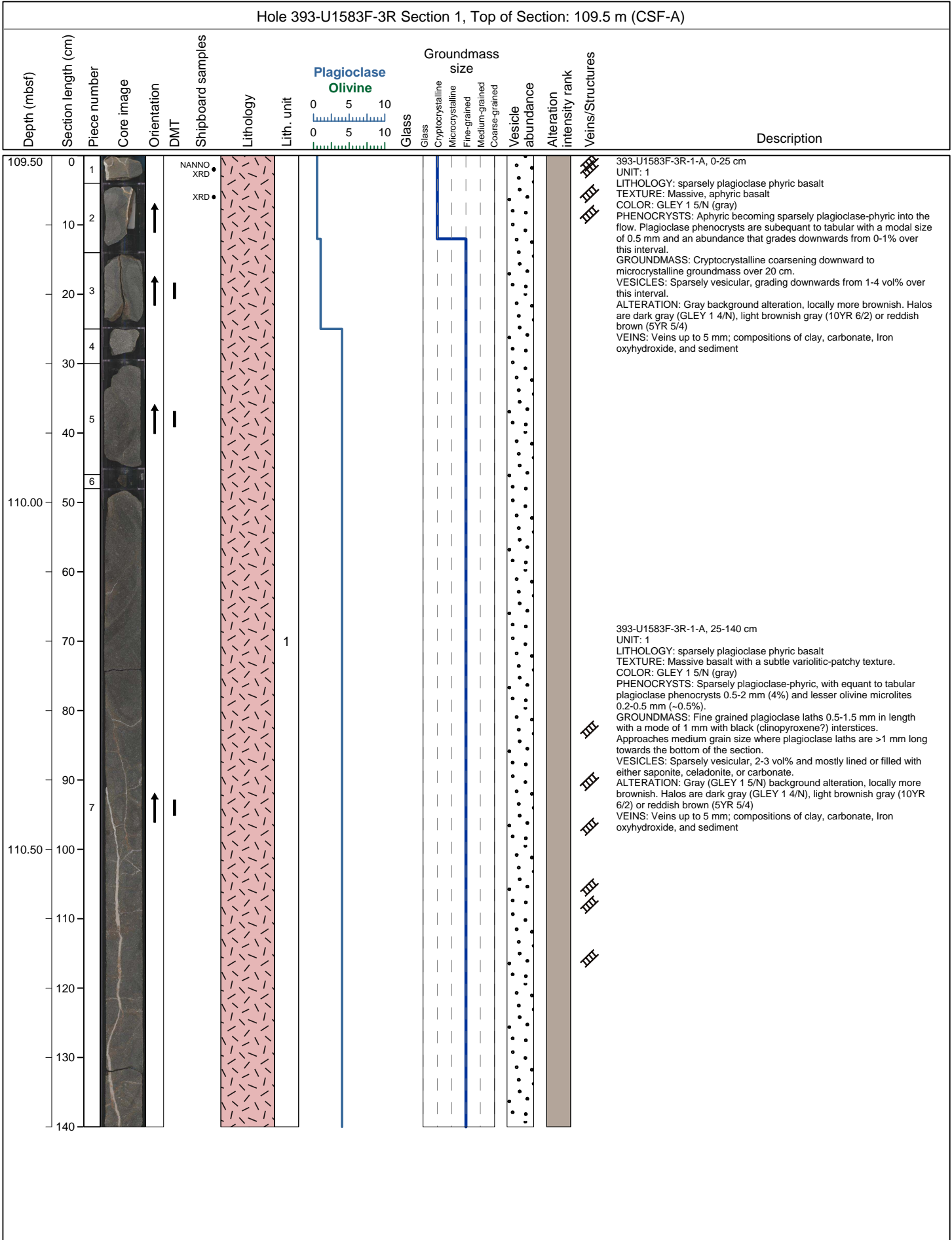
DRILLED INTERVAL 0-101 m

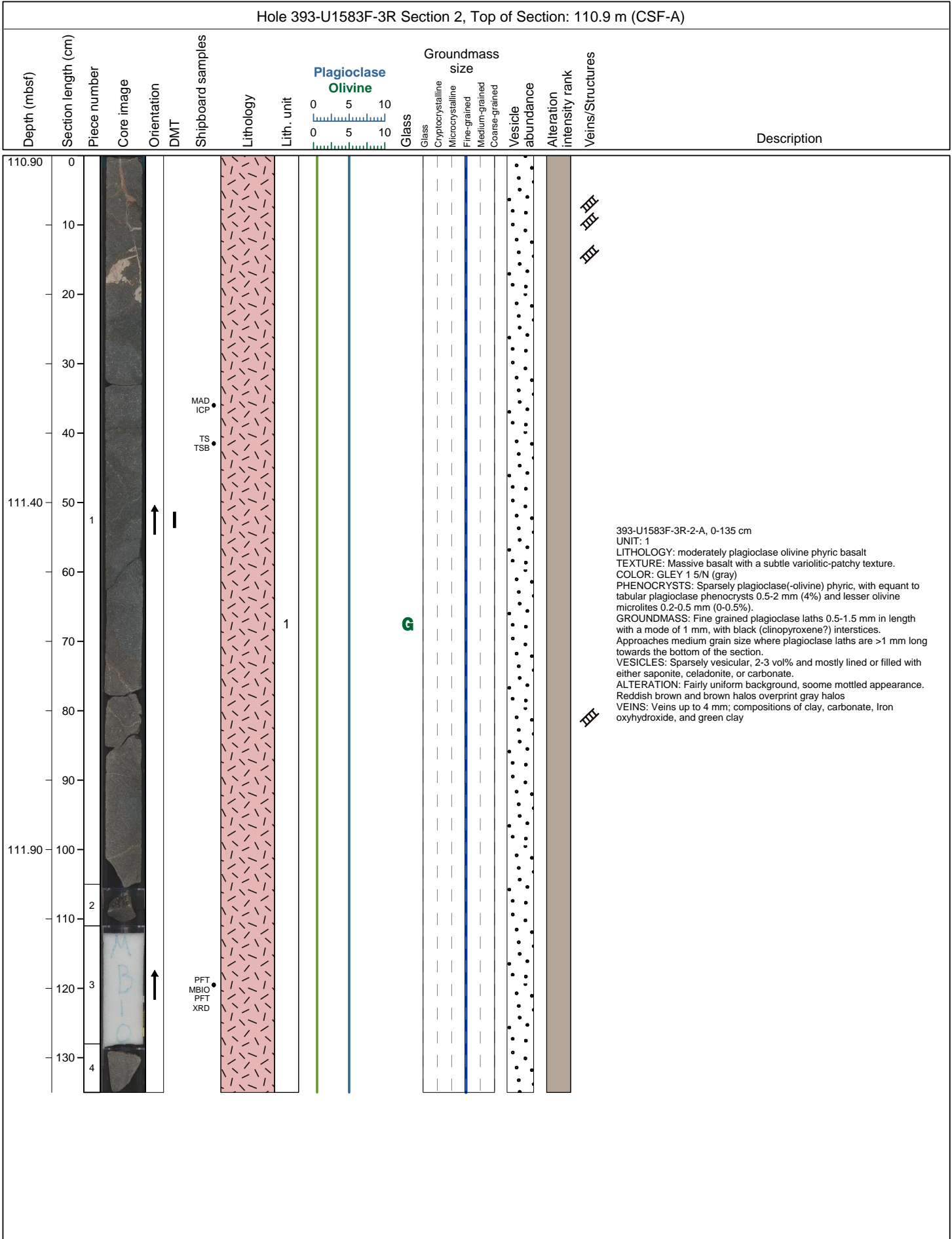


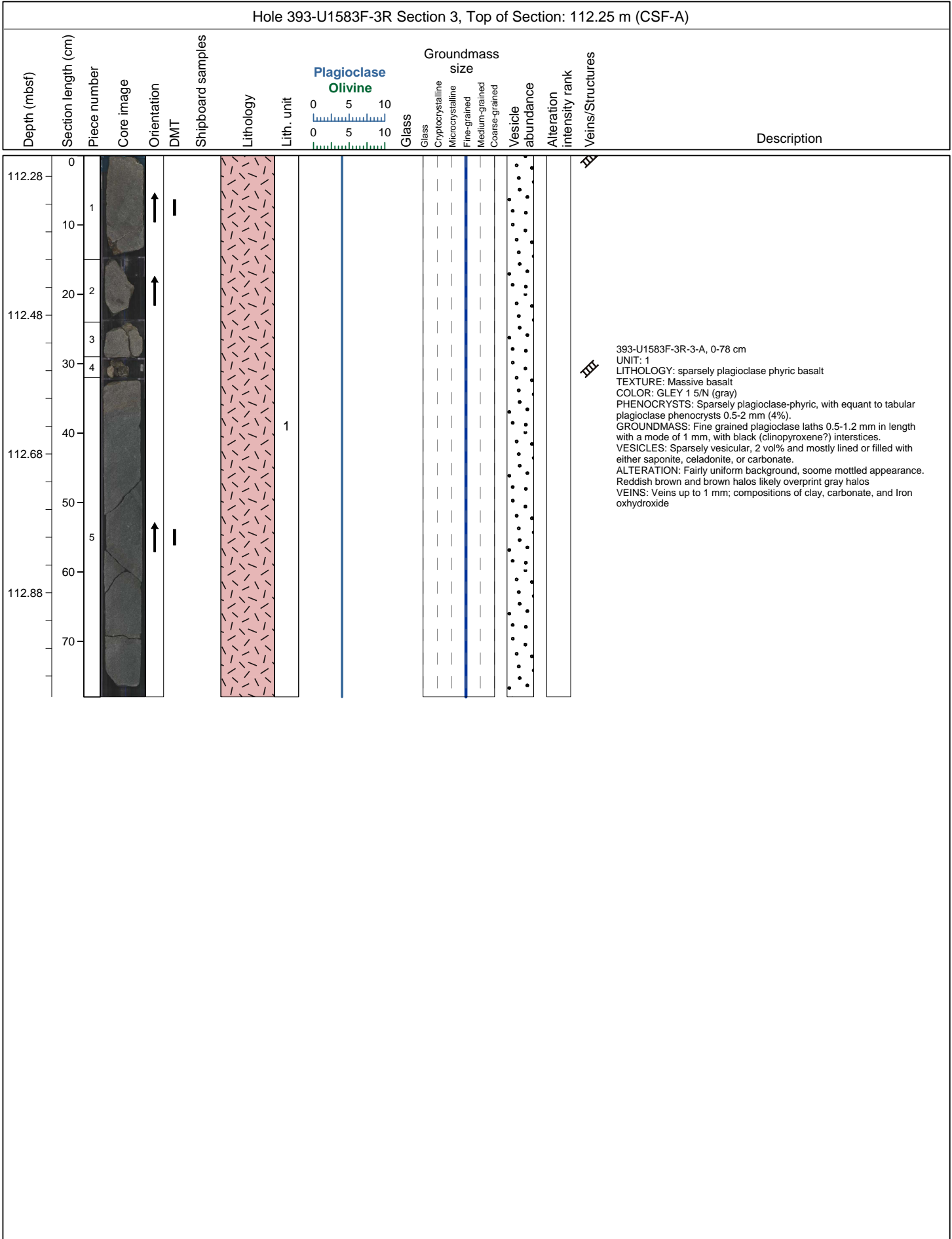
Hole 393-U1583F Core 2R, Interval 101.0-107.43 m (CSF-A)

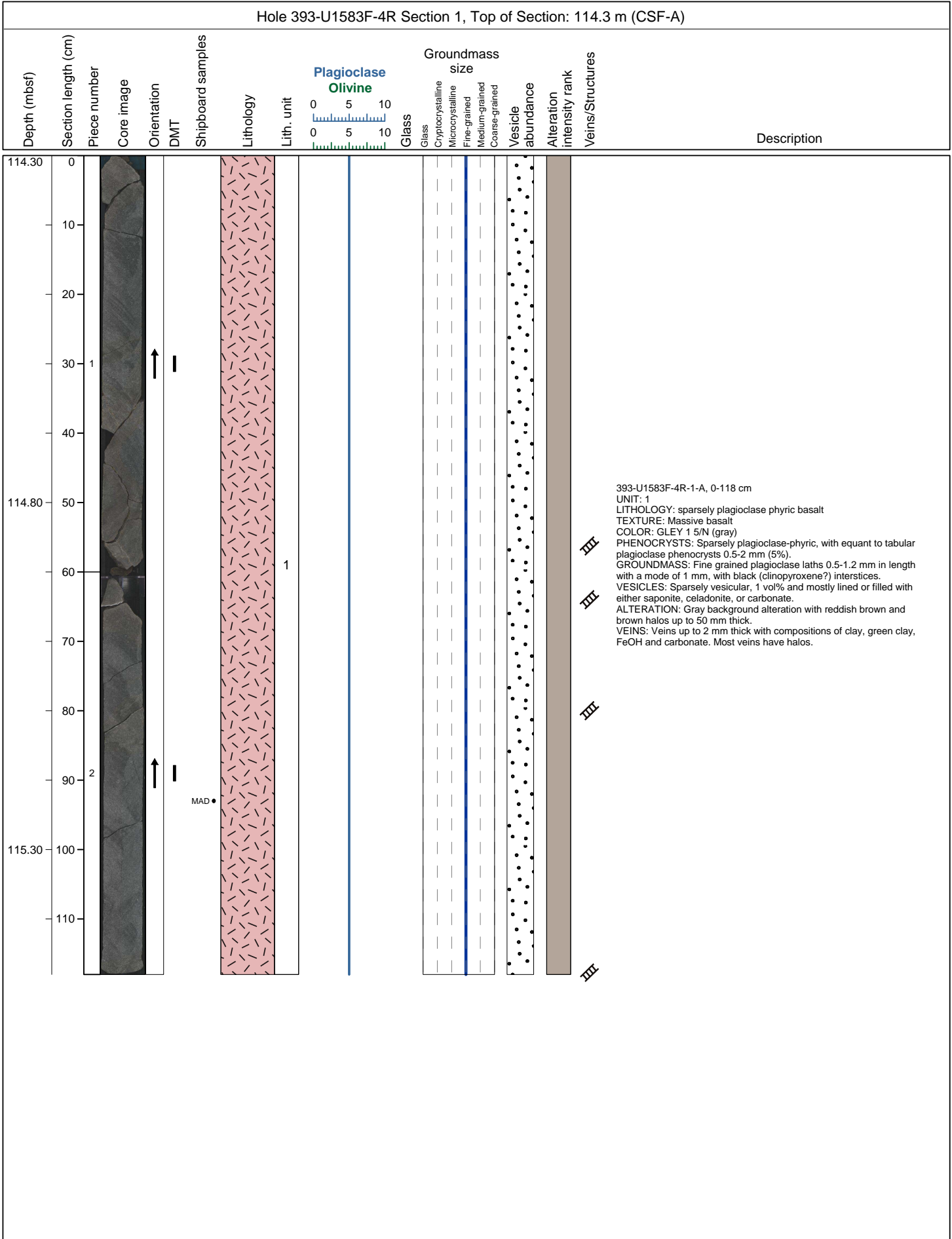
Core U1583F-2R consists of a clayey nannofossil ooze in the upper 63 cm of this core. This is followed by light brown (7.5YR 6/4) nannofossil ooze with clay interbedded with thin to medium beds of light brown (7.5YR 6/4) to pink (7.5YR 7/3) nannofossil ooze down to section 4 at 100 cm, where the lithology appears to change to a pink (7.5YR 7/3) to light brown (7.5YR 6/4) nannofossil chalk. Lithologic contacts are gradational, bioturbated to sharp and the bedding is massive. Biogenic mottling occurs in discrete decimeter scale beds. The bioturbation intensity ranges from low to moderate with distinct ichnogenera occurring that include: Planolites, Chondrites, Thalassinoides, Skolithos, Arenicolites, and Nerites. The ichnofossil diversity ranges from 1 to 5 and the maximum diameter ranges from 2 to 15 mm. Drilling disturbances destroyed the upper 63 cm of sediment in section 1. Otherwise, no other drilling disturbance was observed.

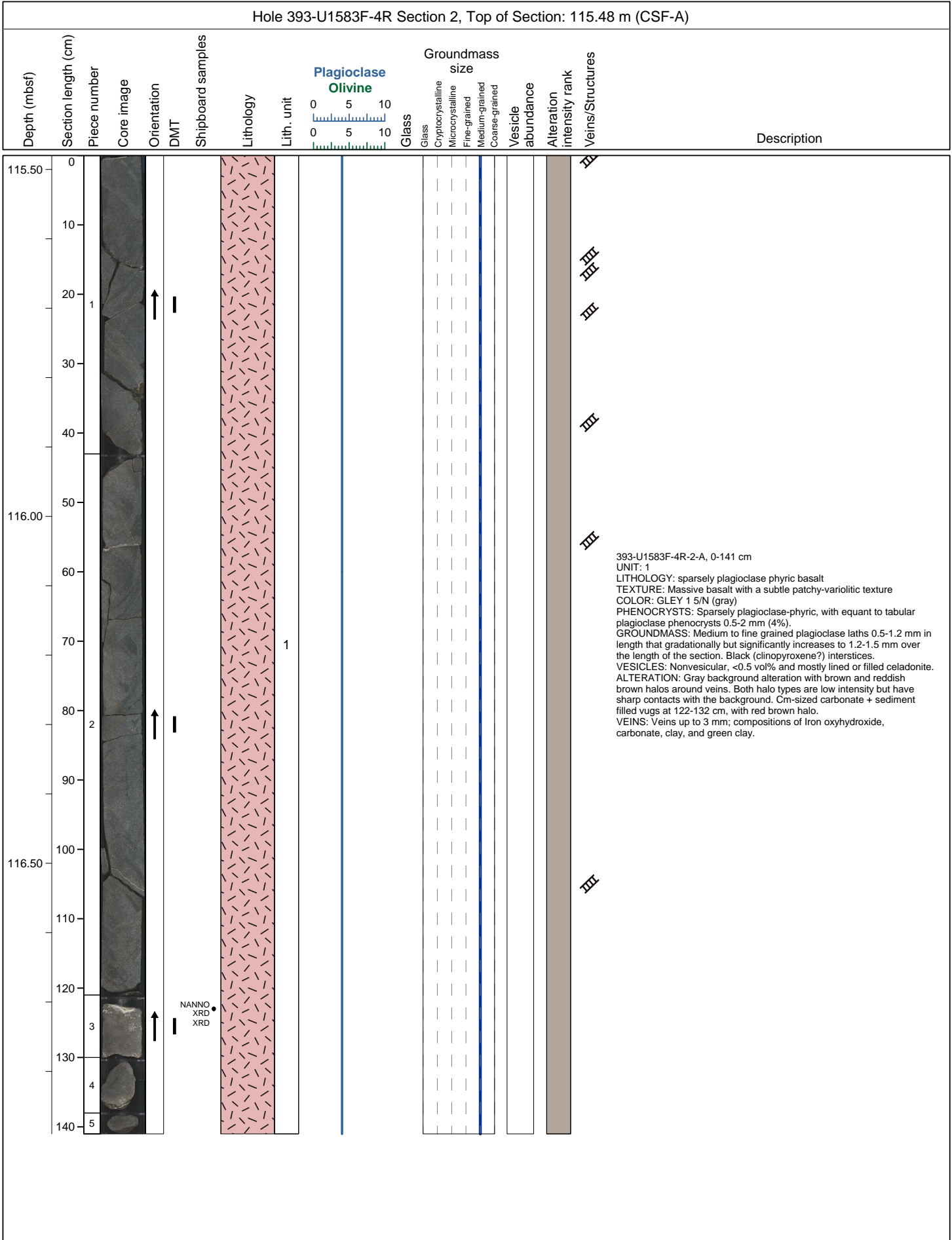


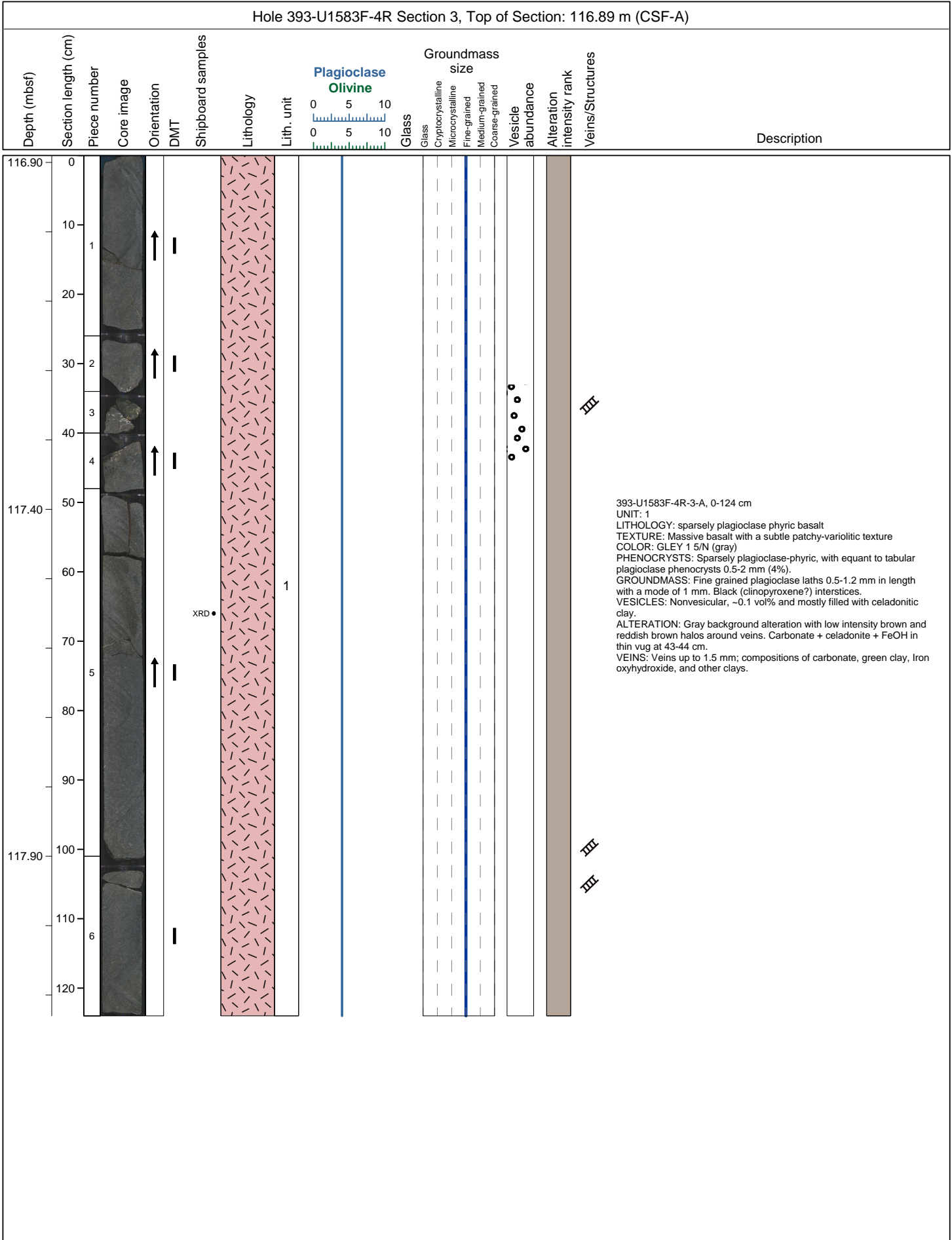


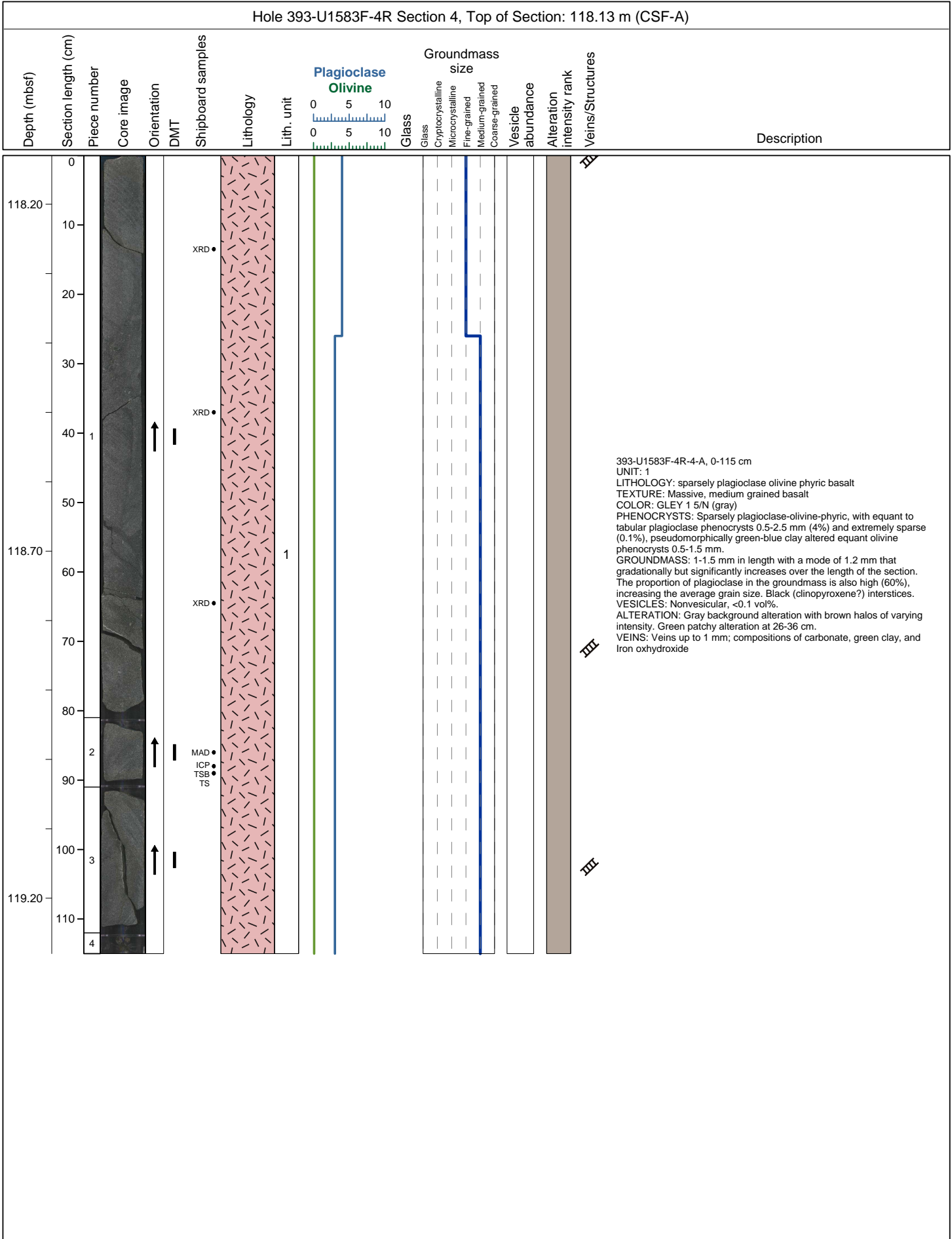


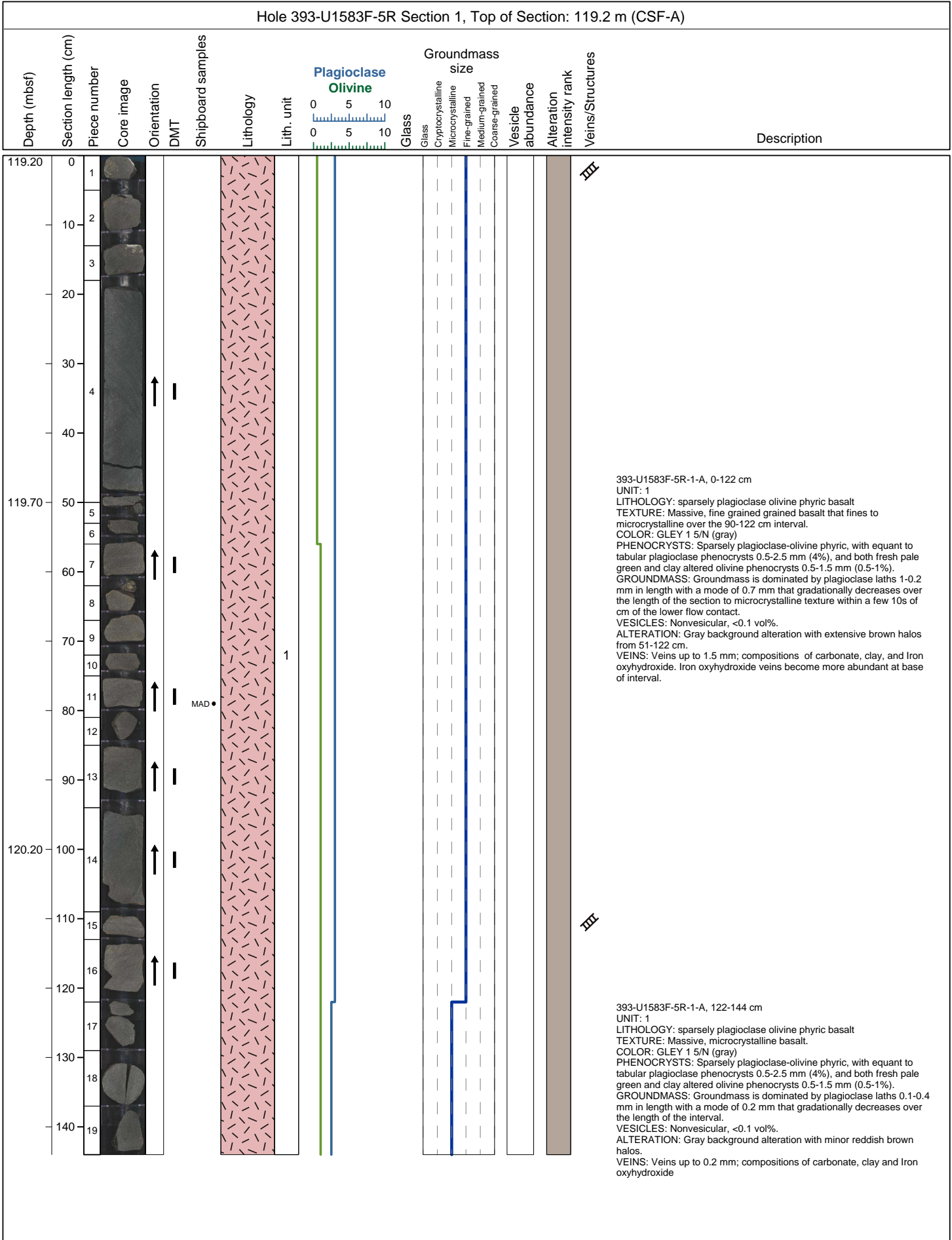


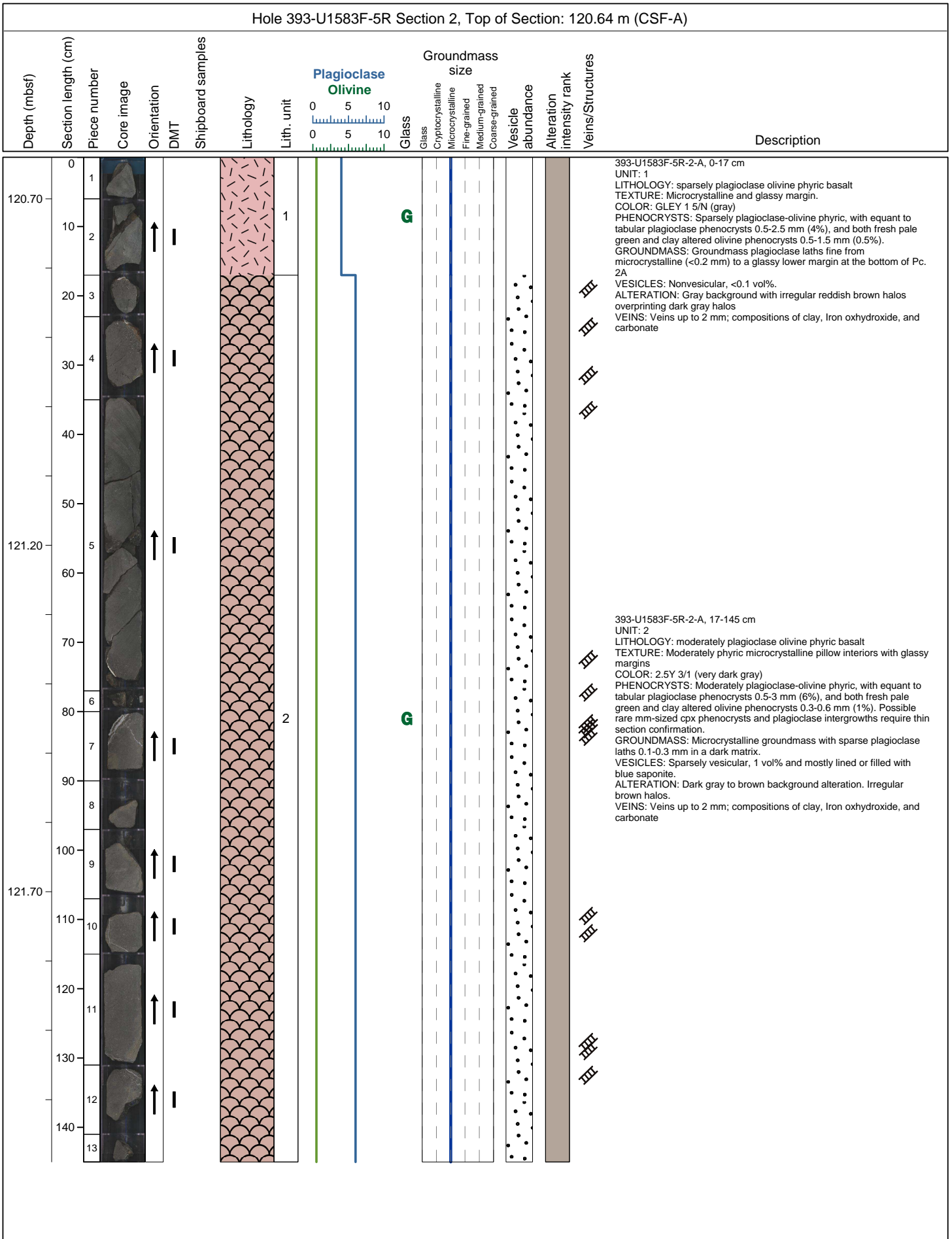


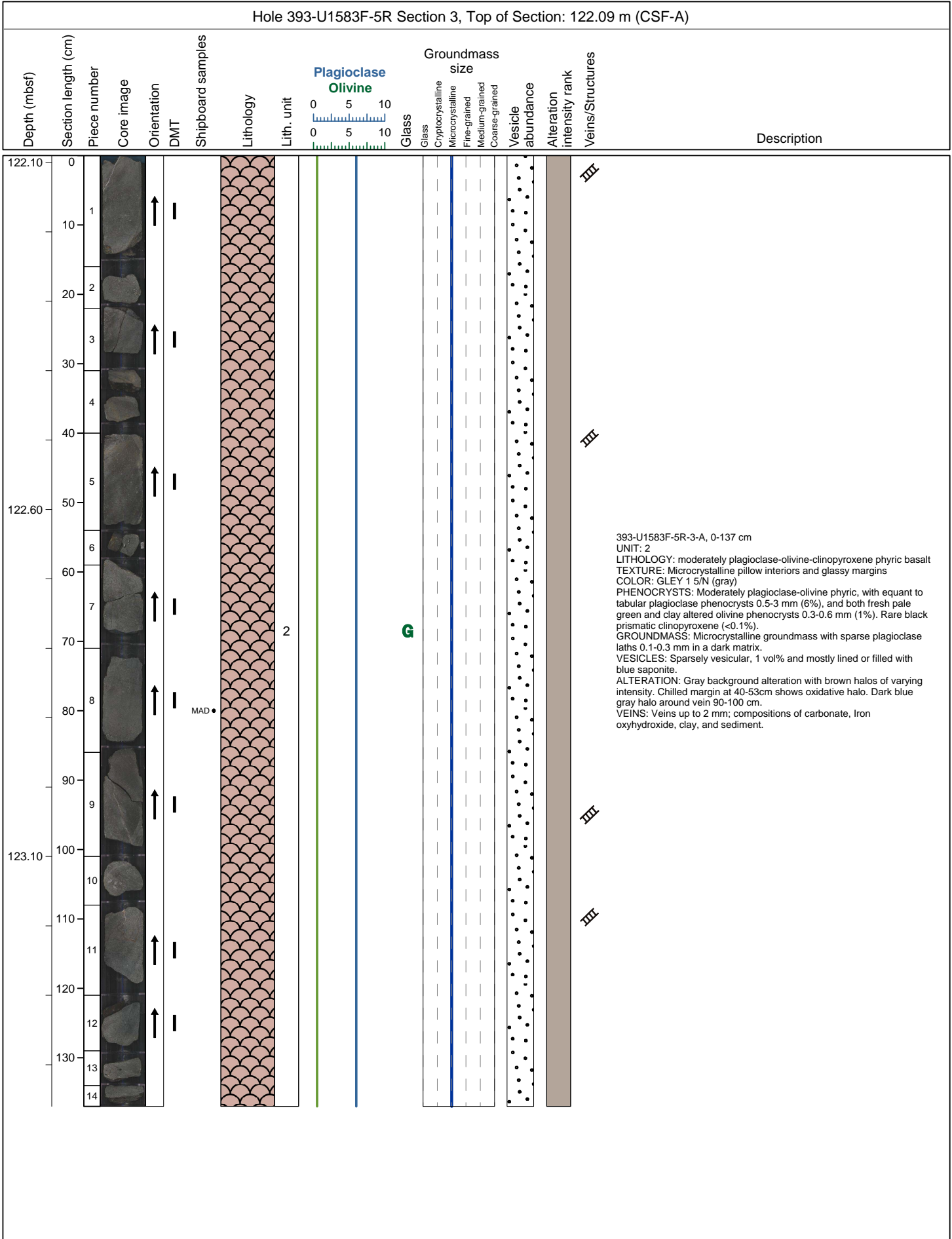








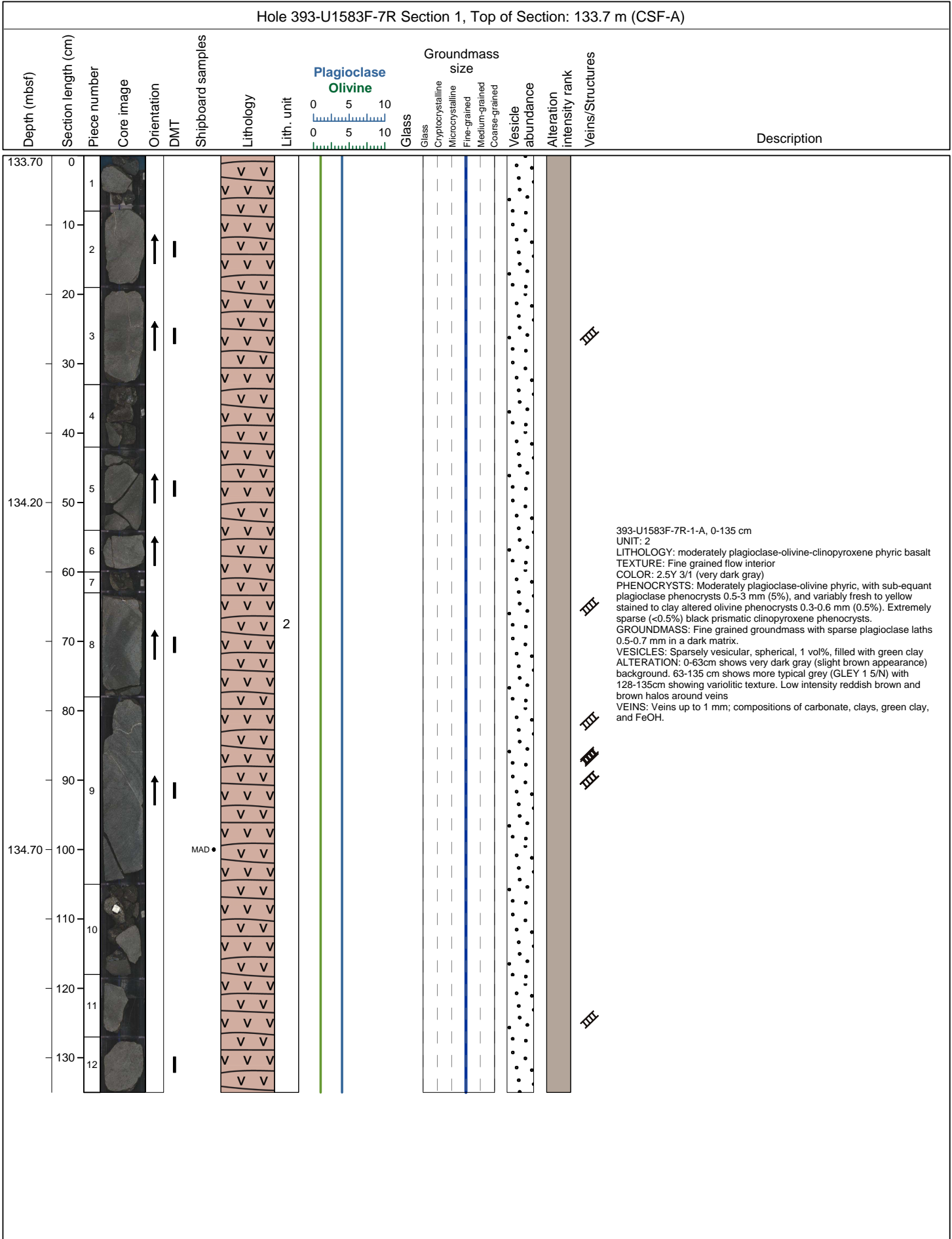




Hole 393-U1583F-5R Section 4, Top of Section: 123.46 m (CSF-A)																
Depth (mbstf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Groundmass size	Glass	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description	
									0 5 10 0 5 10	Glass Cryptocrystalline Microcrystalline Fine-grained Medium-grained Coarse-grained						
123.50	0	1		↑	I		V V V									
	10			↑	I		V V V									
	20			↑	I		V V V									
	30	2		↑	I		V V V									
	40			↑	I		V V V									
	50			↑	I		V V V									
124.00	50	3		↑	I	PFT MBIO	V V V	2		G						
	60			↑	I		V V V									
	70	4		↑	I		V V V									
	80			↑	I		V V V									
	90			↑	I		V V V									
	100	8		↑	I		V V V									
124.50	100			↑	I		V V V									
	110	9		↑	I	PFT	V V V									

393-U1583F-5R-4-A, 0-112 cm
 UNIT: 2
 LITHOLOGY: moderately plagioclase-olivine-clinopyroxene phyric basalt
 TEXTURE: Fine grained flow interior with one glassy margin.
 COLOR: GLEY 1 5/N (gray) and 2.5Y 3/1 (very dark gray)
 PHENOCRYSTS: Moderately plagioclase-olivine phyric, with equant to tabular plagioclase phenocrysts 0.5-3 mm (6%), and clay altered olivine phenocrysts 0.3-2 mm (1%). Rare green clinopyroxene phenocrysts (<0.1%).
 GROUNDMASS: Fine grained groundmass with sparse plagioclase laths 0.2-0.8 mm in a dark matrix.
 VESICLES: Nonvesicular, <0.5 vol% and mostly lined with blue saponite.
 ALTERATION: Gray background with brown halos from 0-47cm. From 47-112cm background is very dark gray with a patchy brown appearance (and limited halos)
 VEINS: Veins up to 2 mm; compositions of carbonate, Iron oxyhydroxide, clay, and sediment.

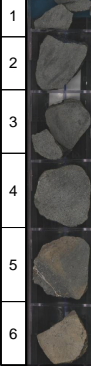
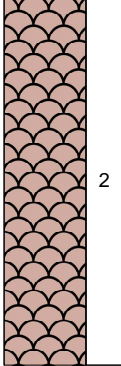
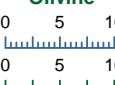
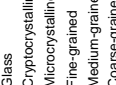

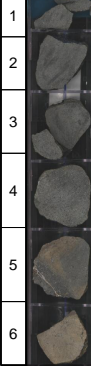
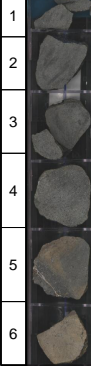
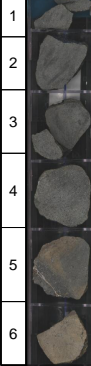
Hole 393-U1583F-6R Section 1, Top of Section: 128.9 m (CSF-A)																			
Depth (mbstf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase		Groundmass size				Vesicle abundance	Alteration intensity rank	Veins/Structures	Description	
									Olivine	Olivine	Glass	Cryptocrystalline	Microcrystalline	Fine-grained					Medium-grained
128.90 128.92 128.94 128.96 128.98	0	1						2											<p>393-U1583F-6R-1-A, 0-8 cm UNIT: 2 LITHOLOGY: moderately plagioclase-olivine-clinopyroxene phyric basalt TEXTURE: Fine grained flow interior with incipient glassy margin. COLOR: GLEY 1 5/N (gray) PHENOCRYSTS: Moderately plagioclase-olivine phyric, with sub-equant plagioclase phenocrysts 0.5-3 mm (5%), and variably fresh to yellow stained to clay altered olivine phenocrysts 0.3-0.6 mm (0.5%). Extremely sparse (<0.5%) black prismatic clinopyroxene phenocrysts. GROUNDMASS: Fine grained groundmass with sparse plagioclase laths 0.3-0.8 mm in a dark matrix. VESICLES: Sparsely vesicular, spherical, 1 vol% but heterogeneous within piece. Filled with brown clay ALTERATION: Gray background with irregular reddish brown halo VEINS: Veins up to 0.2 mm; compositions of clay and Iron oxyhydroxide</p>

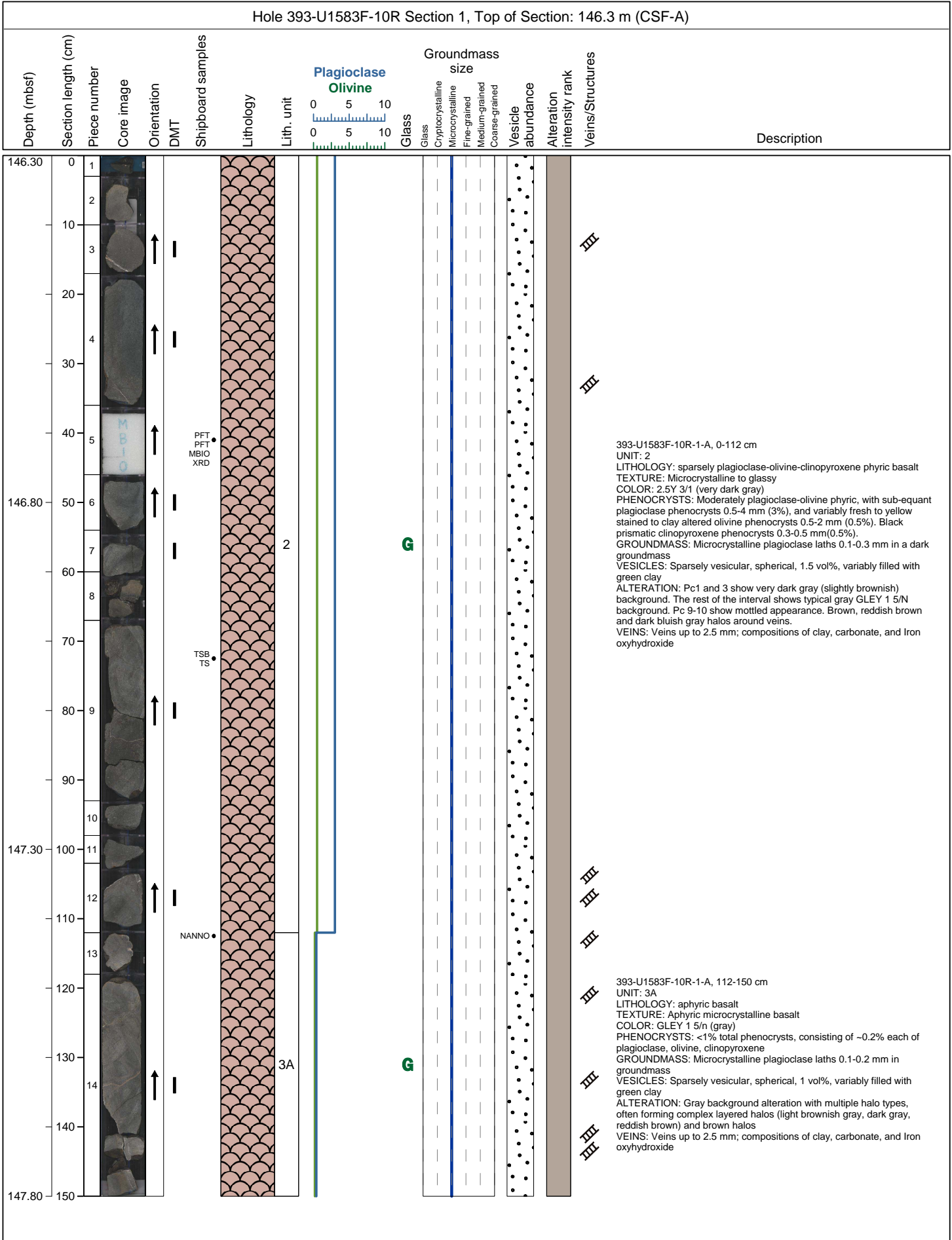


Hole 393-U1583F-8R Section 1, Top of Section: 138.6 m (CSF-A)

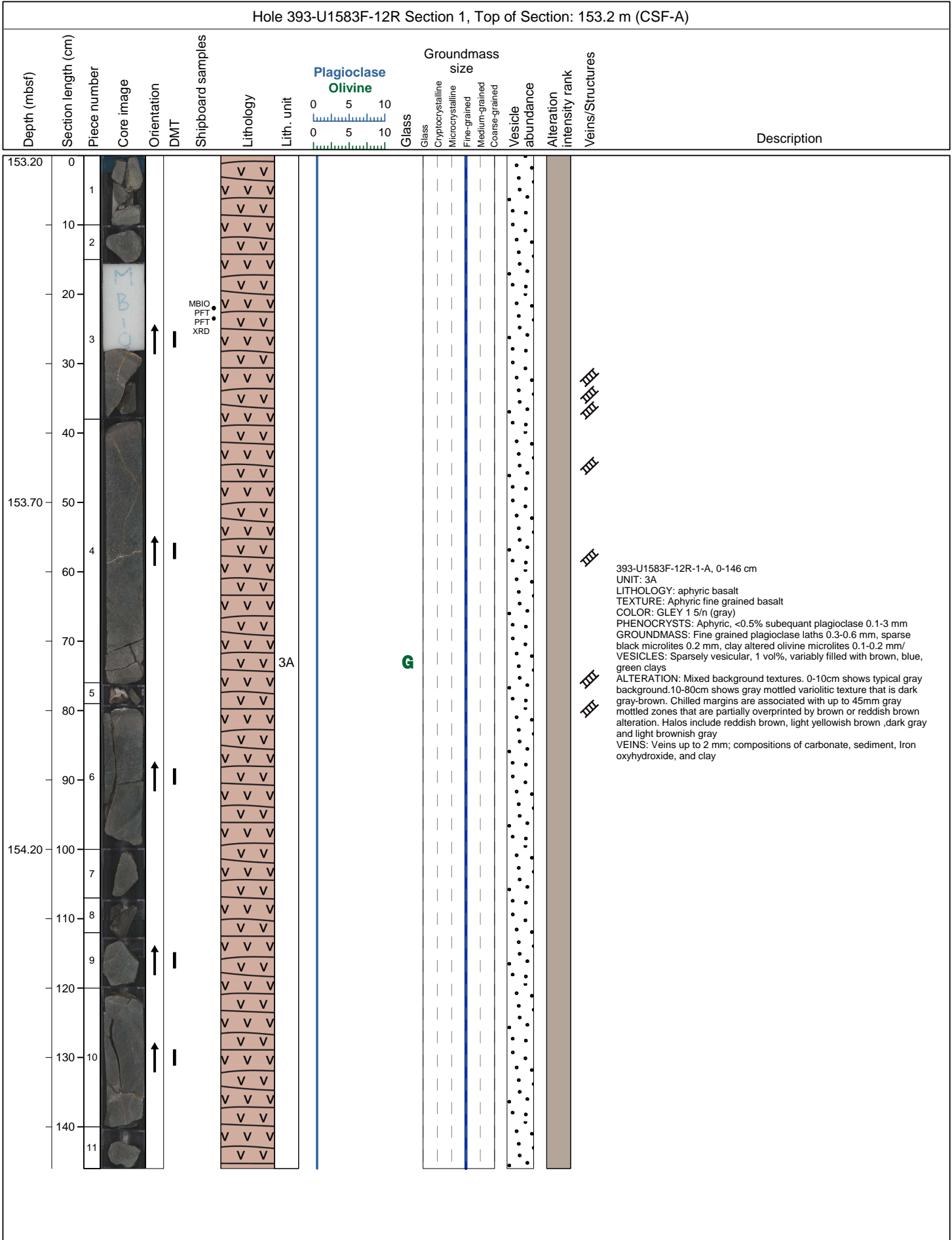
Depth (mbst)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase	Olivine	Glass	Glass	Cryptocrystalline	Microcrystalline	Fine-grained	Medium-grained	Coarse-grained	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description
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NO RECOVERY 138.6-143.4 m

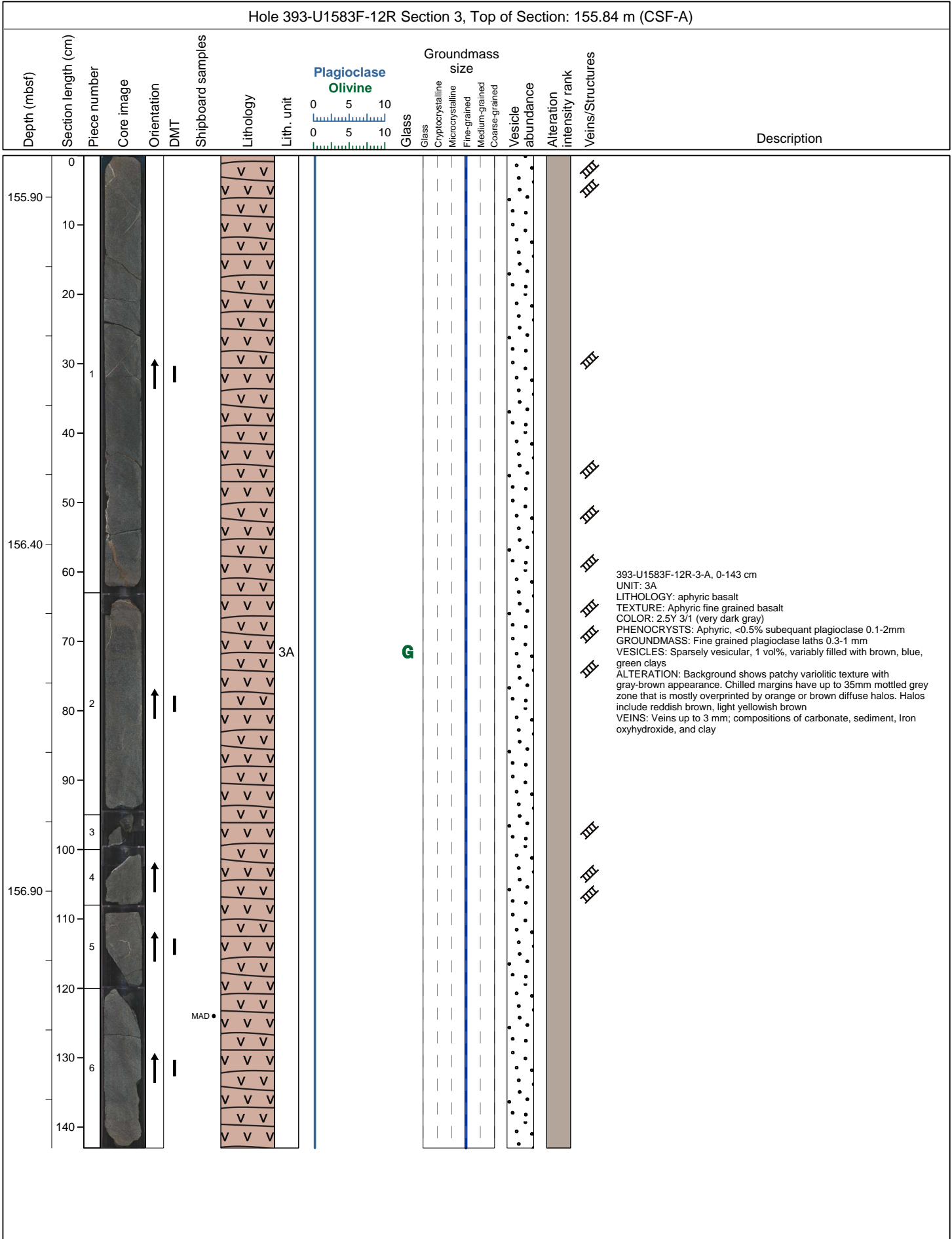
Hole 393-U1583F-9R Section 1, Top of Section: 143.4 m (CSF-A)															
Depth (mbstf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description
143.40	0	1		↑				2		G					<p>393-U1583F-9R-1-A, 0-35 cm UNIT: 2 LITHOLOGY: sparsely plagioclase-olivine-clinopyroxene phyric basalt TEXTURE: Microcrystalline to glassy COLOR: GLEY 1 5/N (gray) PHENOCRYSTS: Moderately plagioclase-olivine phyric, with sub-equant plagioclase phenocrysts 0.5-3 mm (2%), and variably fresh to yellow stained to clay altered olivine phenocrysts 0.5-2 mm (0.5%). Black prismatic clinopyroxene phenocrysts (0.5%). GROUNDMASS: Microcrystalline, plagioclase laths 0.1-0.4 mm in dark groundmass VESICLES: Sparsely vesicular, spherical, 1 vol%, heterogeneous within section, from <0.1% to 2% (Pc 5) ALTERATION: Uniform to mottled (weak variolitic) gray background with irregular brown halo around chilled margin and in pc6 VEINS: Veins up to 1.5 mm; compositions of calcium carbonate, Iron oxyhydroxide, and clays. Carbonate rich vein at 26-29cm is open space filling</p>
143.50	10	3		↑											
143.60	20	4		↑											
143.70	30	6		↑											



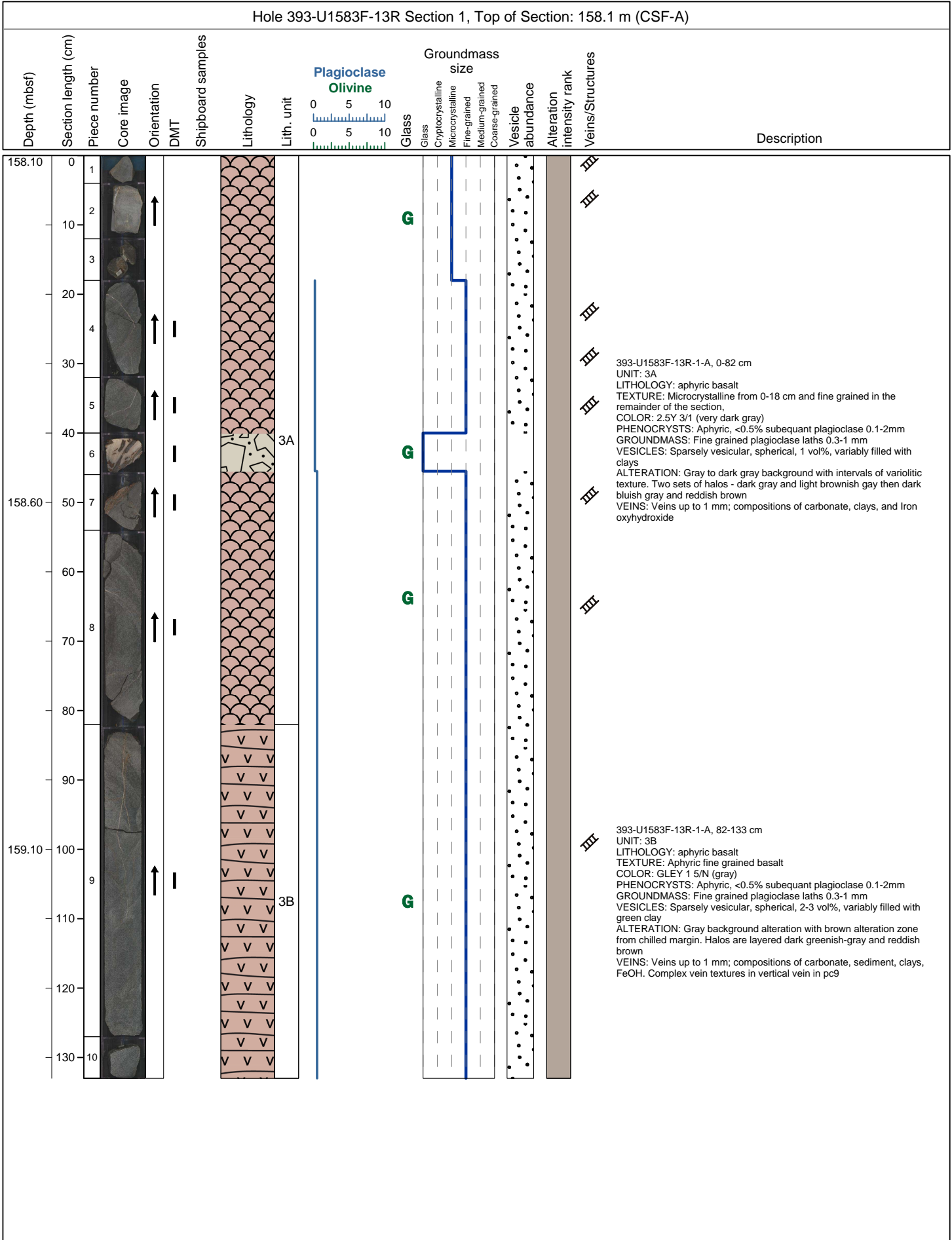
Hole 393-U1583F-11R Section 1, Top of Section: 148.4 m (CSF-A)																		
Depth (mbsf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description			
									0 5 10 0 5 10	Glass	Cryptocrystalline Microcrystalline Fine-grained Medium-grained Coarse-grained							
148.40	0	1		↑		XRD •	V V									<p>393-U1583F-11R-1-A, 0-80 cm UNIT: 3A LITHOLOGY: aphyric basalt TEXTURE: Aphyric microcrystalline basalt COLOR: 5YR 4/1 (dark gray) PHENOCRYSTS: Aphyric, <0.5% subequant plagioclase 0.1-1 mm GROUNDMASS: Microcrystalline plagioclase laths 0.05-0.1 mm in groundmass VESICLES: Nonvesicular, ~0.5 vol% and mostly lined with different brown-blue-purple clays ALTERATION: Background alteration variable between uniform gray and mottled to variolitic dark gray. Multiple halos, and varies piece to piece. Brown halos related to chilled margins. Dark gray and light brownish gray related to veins. Reddish brown halos in variolitic domains with green clay also in halos. VEINS: Veins up to 3.5 mm; compositions of clay, carbonate, and Iron oxyhydroxide</p>		
	2	2				V V V												
	10	3				V V V												
	20	4				V V V												
148.60	20	5				V V V												
	30	6				V V V												
	40	7				V V V												
148.80	40	8				V V V			TSB TS •	V V V	3A		G					
	50	9				V V V			MAD ICP •	V V V								
149.00	60	10				V V V				V V V								
	70	11				V V V				V V V								
149.20	80						V V V											

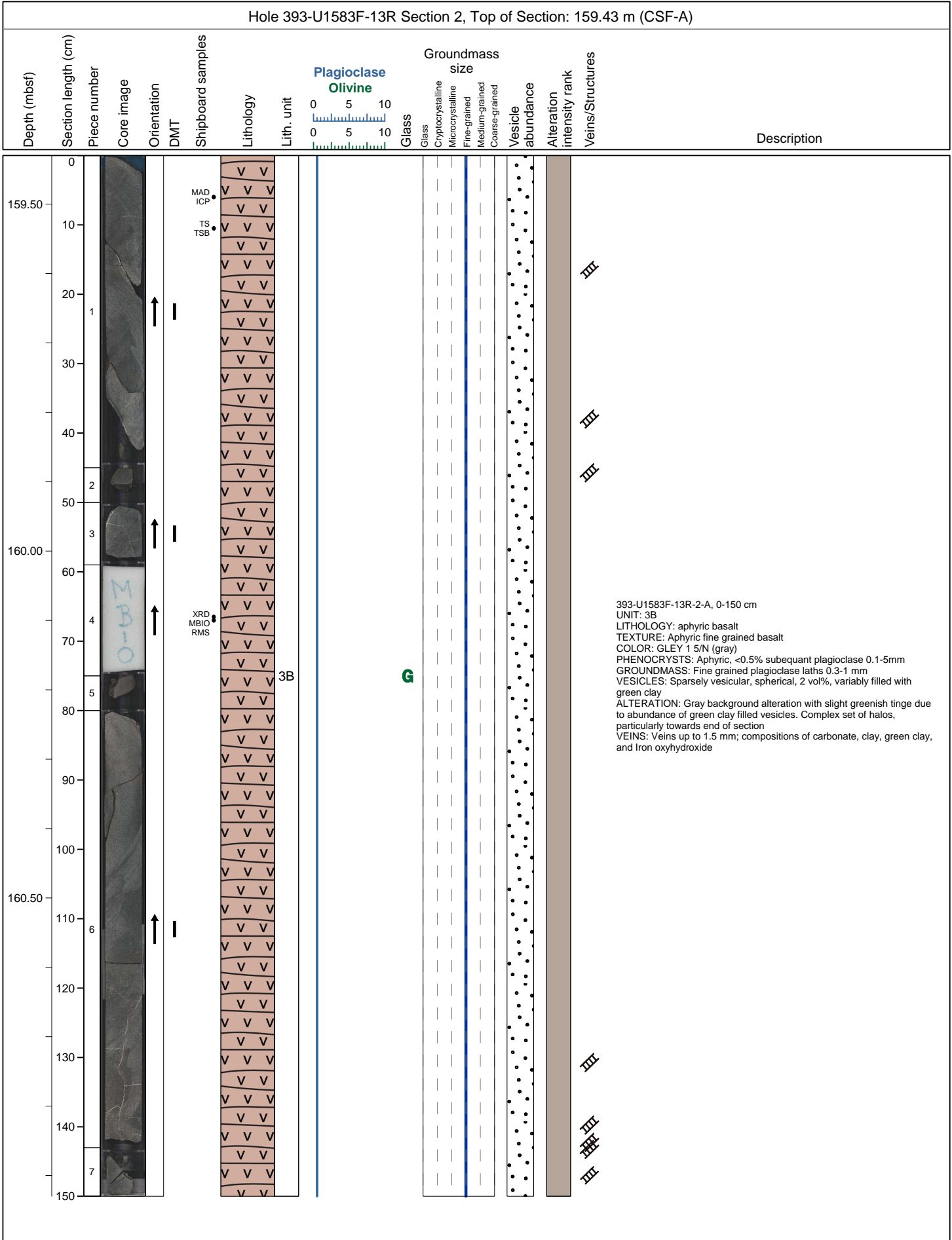


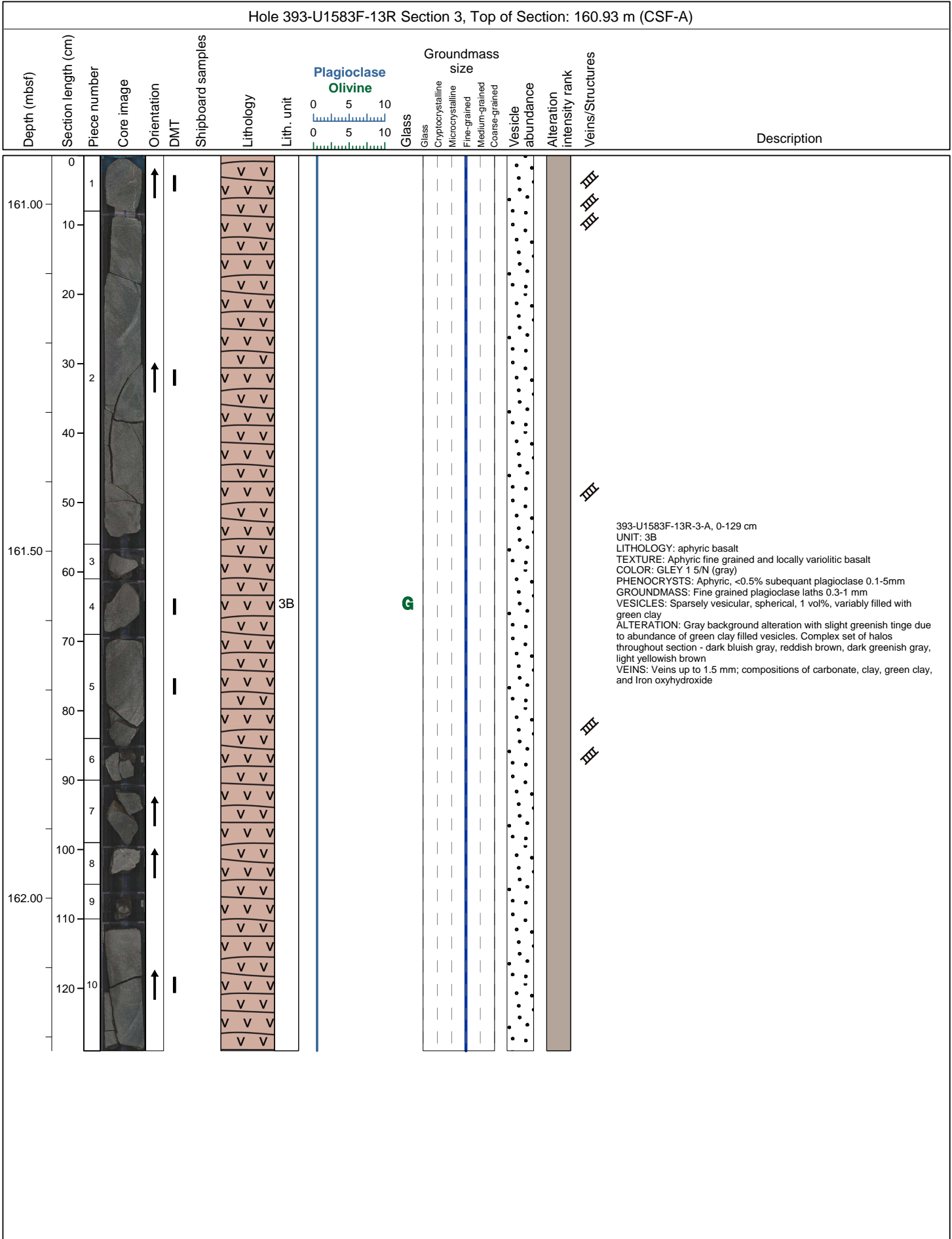
Hole 393-U1583F-12R Section 2, Top of Section: 154.66 m (CSF-A)																		
Depth (mbstf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description			
									0 5 10 0 5 10		Cryptocrystalline Microcrystalline Fine-grained Medium-grained Coarse-grained							
154.70	0	1		↑				3A								<p>393-U1583F-12R-2-A, 0-118 cm UNIT: 3A LITHOLOGY: aphyric basalt TEXTURE: Aphyric fine grained basalt COLOR: 2.5Y 3/1 (very dark gray) PHENOCRYSTS: Aphyric, <0.5% subequant plagioclase 0.1-3mm GROUNDMASS: Fine grained plagioclase laths 0.2-0.6 mm VESICLES: Nonvesicular, ~0.5 vol%, up to 2% in outer few cm of flows, and mostly filled with different brown-green clays ALTERATION: Background shows patchy variolitic texture with grey-brown appearance. Chilled margins have up to 35mm mottled gray zone that is mostly overprinted by orange or brown diffuse halos. Halos include reddish brown, light yellowish brown VEINS: Veins up to 2 mm; compositions of carbonate, sediment, Iron oxyhydroxide, and clay</p>		
	10	2																
	20	3		↑														
	30	4		↑														
	40	5		↑														
155.20	50	6		↑														
	60	7		↑														
	70	8		↑														
	80	9		↑														
	90					MAD •												
155.70	100																	
	110																	

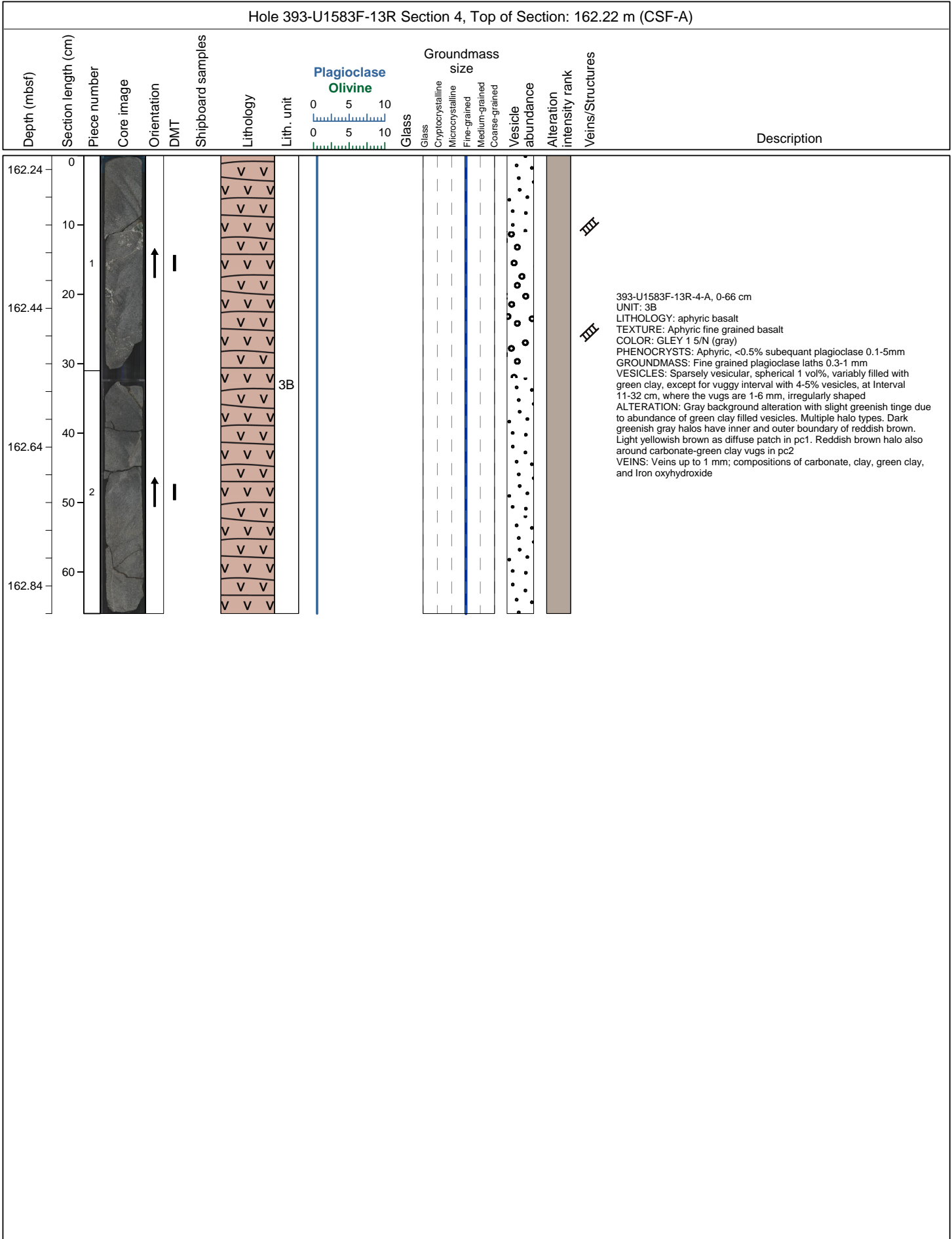


Hole 393-U1583F-12R Section 4, Top of Section: 157.27 m (CSF-A)														
Depth (mbsf)	Section length (cm)	Piece number	Core image	Orientation DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description
								0 5 10		Glass Cryptocrystalline Microcrystalline Fine-grained Medium-grained Coarse-grained				
157.28	0			↑										
	10	1												
157.48	20			↑			3A							
	30	2												
157.68	40			↑										
	50	3												
157.88	60			↑										
	70	4												
														<p>393-U1583F-12R-4-A, 0-72 cm UNIT: 3A LITHOLOGY: aphyric basalt TEXTURE: Aphyric fine grained basalt COLOR: 2.5Y 3/1 (very dark gray) PHENOCRYSTS: Aphyric, <0.5% subequant plagioclase 0.1-2mm GROUNDMASS: Fine grained plagioclase laths 0.3-1 mm VESICLES: Sparsely vesicular, spherical, 1 vol%, variably filled with clays ALTERATION: Background shows patchy variolitic texture with gray-brown appearance. Chilled margins have up to 35mm mottled gray zone that is mostly overprinted by orange or brown diffuse halos. Halos include reddish brown, light yellowish brown, dark bluish gray VEINS: Veins up to 1.5 mm; compositions of carbonate, Iron oxyhydroxide, and clay</p>



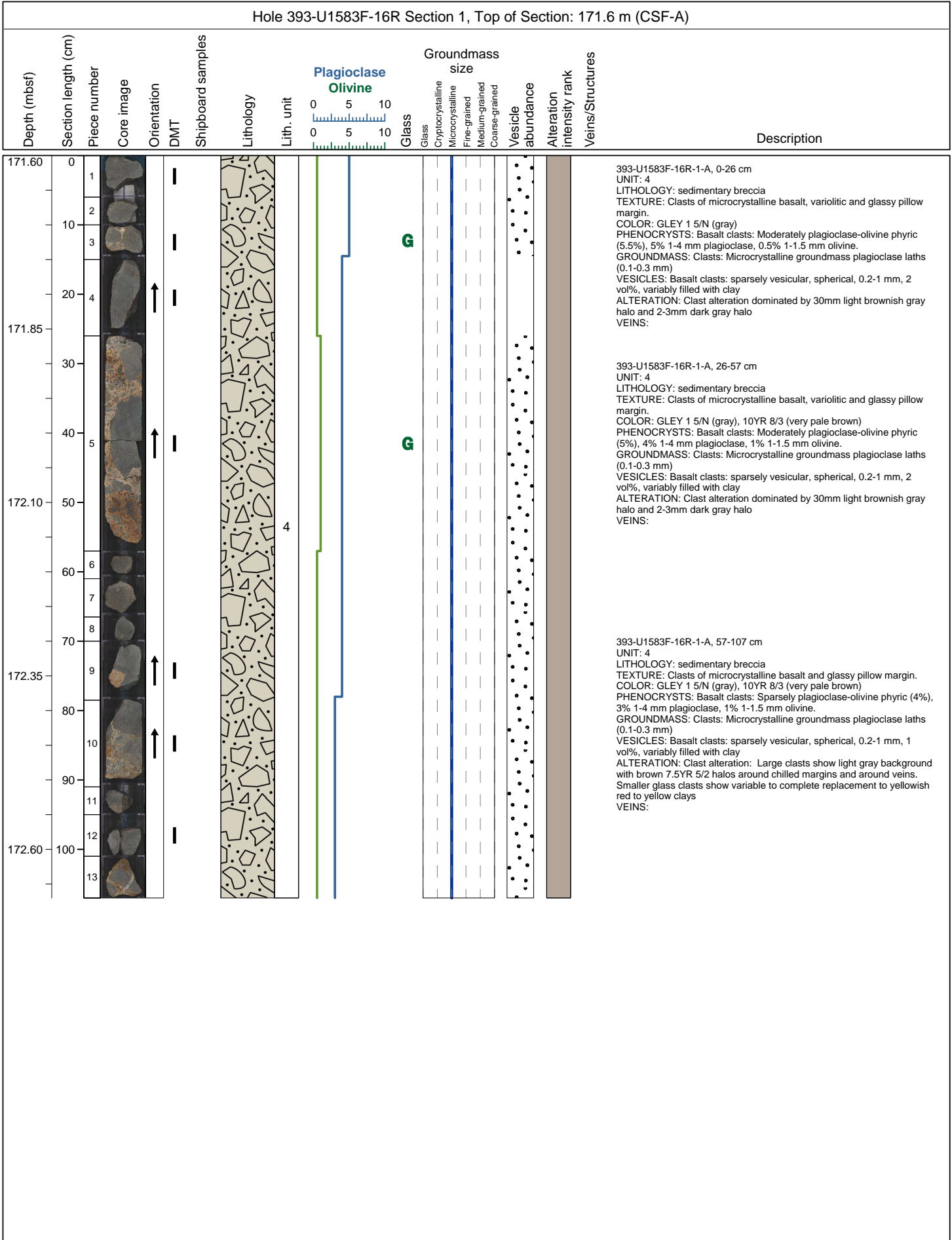


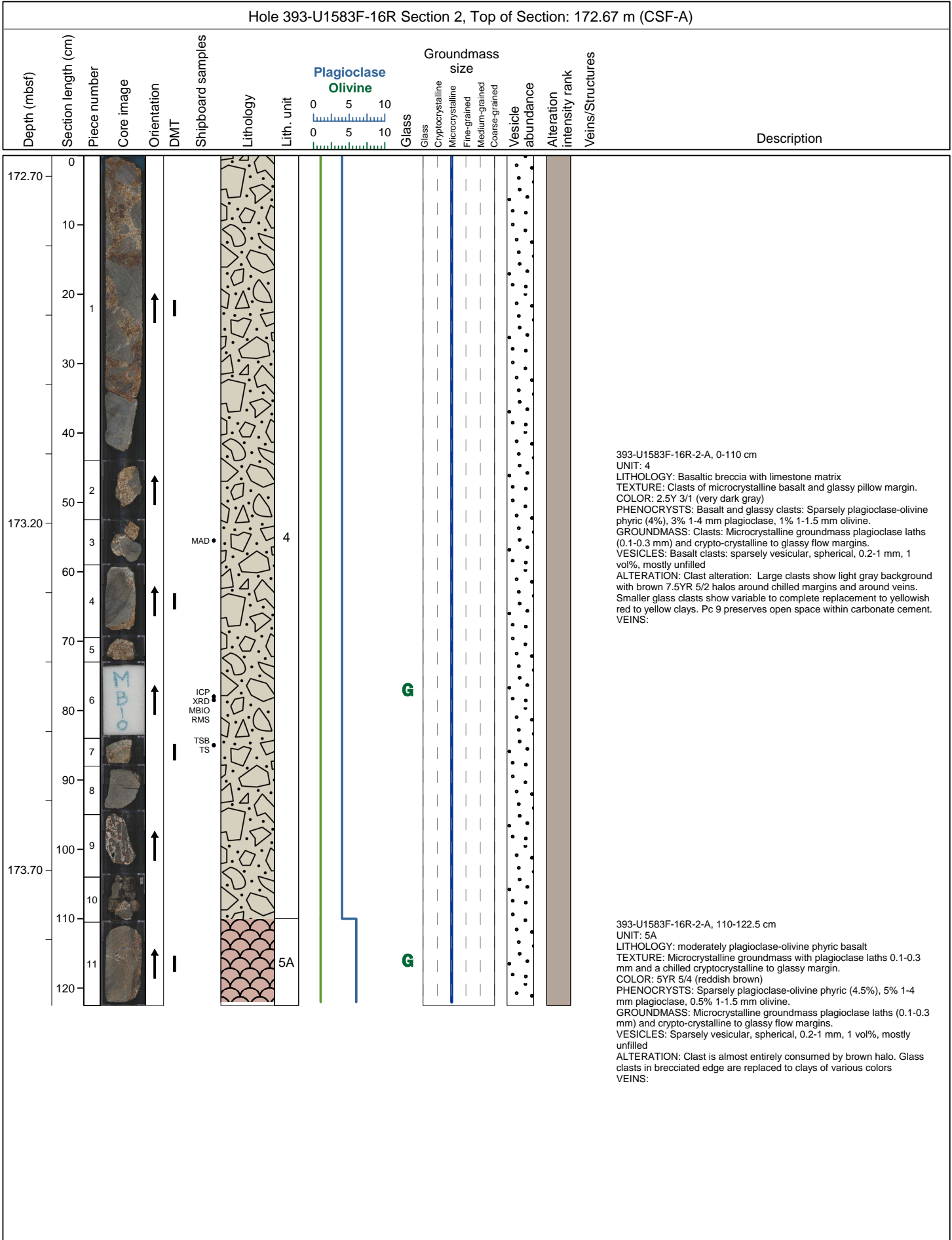


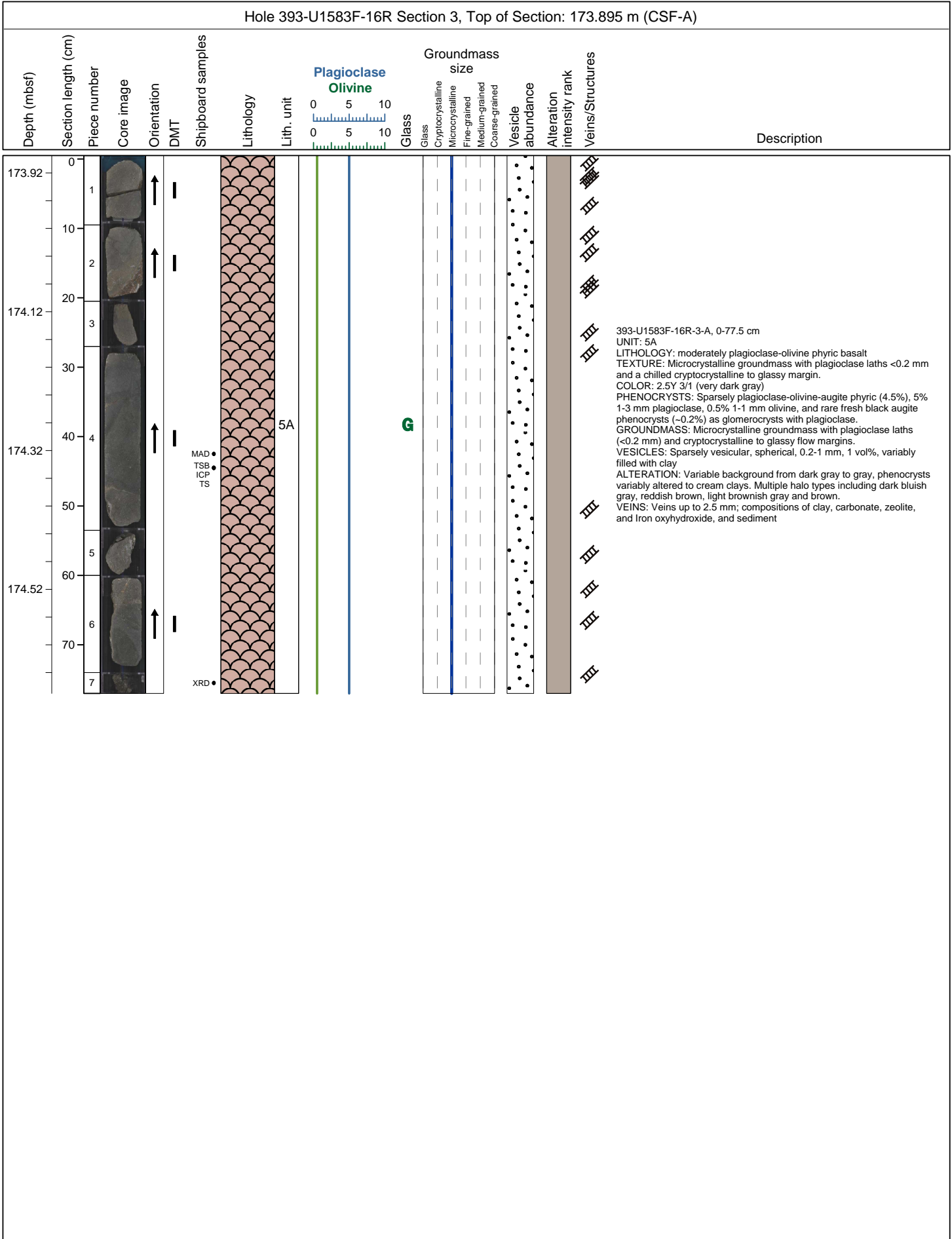


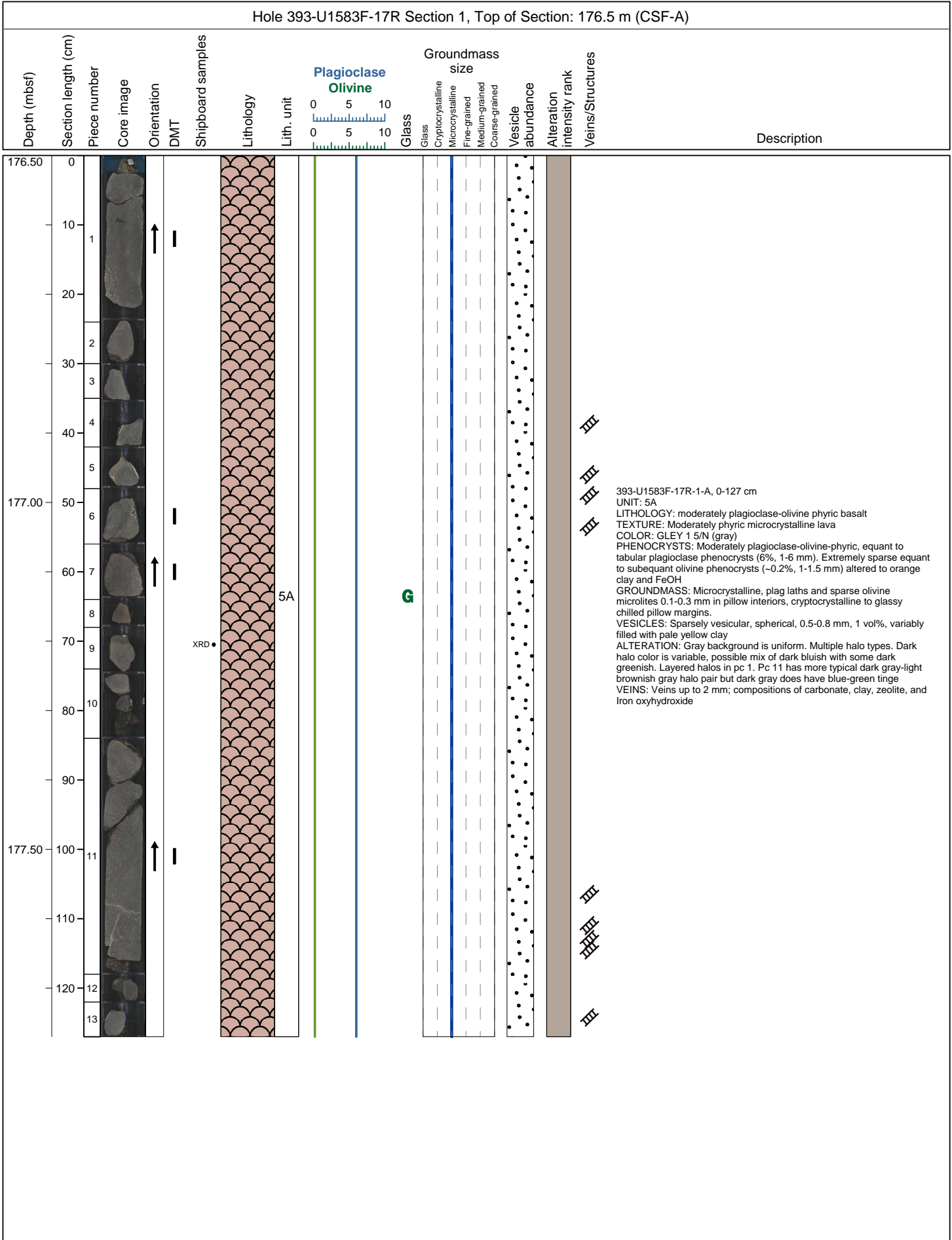
Hole 393-U1583F-14R Section 1, Top of Section: 162.9 m (CSF-A)															
Depth (mbstf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description
									0 5 10		Cryptocrystalline Microcrystalline Fine-grained Medium-grained Coarse-grained				
162.90	0	1		↑				3B							<p>393-U1583F-14R-1-A, 0-92 cm UNIT: 3B LITHOLOGY: aphyric basalt TEXTURE: Aphyric microcrystalline basalt with variolitic inner flow margins COLOR: 2.5Y 3/1 (very dark gray) PHENOCRYSTS: Aphyric, <0.5% subequant plagioclase 0.1-2mm GROUNDMASS: Fine grained plagioclase laths 0.1-0.3 mm VESICLES: Sparsely vesicular, spherical, 0.2-0.8 mm, 1 vol%, variably filled with green clay ALTERATION: Most of the background shows patchy to mottled variolitic texture, alteration intensity increases down section. 4 halo colors in a range of combinations. Dark greenish gray halos have inner boundary of reddish brown and outer of either reddish brown or light yellowish brown. Halos of varying width VEINS: Veins up to 1 mm; compositions of carbonate, sediment, clays, green clay, and Iron oxyhydroxide. Complex vein textures in vertical vein in pc9</p>
	10	2													
163.15	20	3		↑		MAD •									
	30	4													
	40	5													
	50	6													
163.40	60	7													
	70	8													
	80	9		↑											
163.65	90	10													
		11													
		12													
		13													

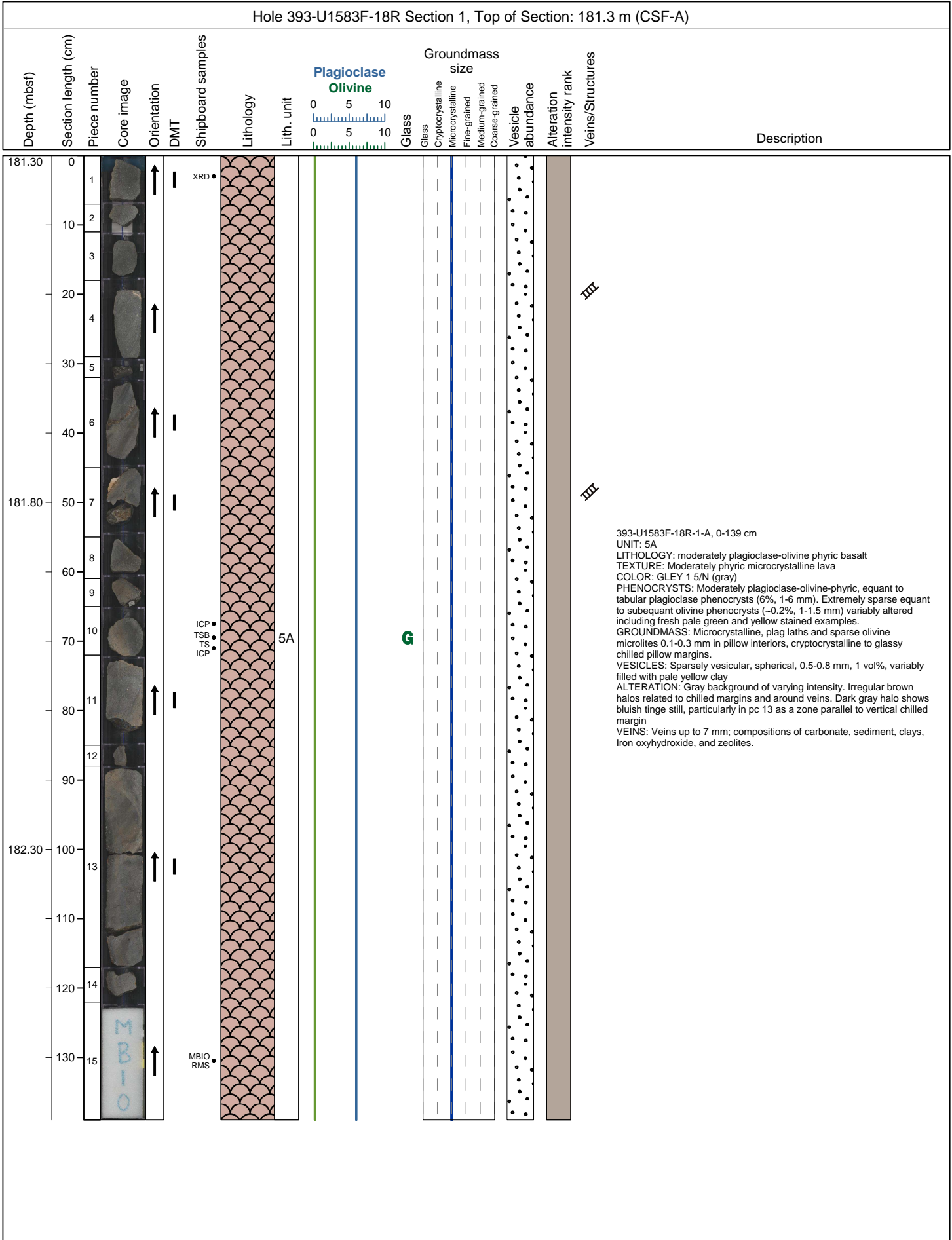
Hole 393-U1583F-15R Section 1, Top of Section: 166.8 m (CSF-A)																
Depth (mbstf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description	
									0 5 10 0 5 10	Glass Cryptocrystalline Microcrystalline Fine-grained Medium-grained Coarse-grained						
166.80	0	1		↑				3B	G							<p>393-U1583F-15R-1-A, 0-128 cm UNIT: 3B LITHOLOGY: aphyric basalt TEXTURE: Aphyric microcrystalline basalt with variolitic inner flow margins COLOR: GLEY 1.5/N (gray) PHENOCRYSTS: Aphyric, <0.5% subequant plagioclase 0.1-1mm GROUNDMASS: Fine grained plagioclase laths 0.1-0.3 mm VESICLES: Nonvesicular, spherical, 0.2-0.8 mm, 0.1- 0.5 vol%, variably filled with clay ALTERATION: Gray background alteration with mottled variolitic texture in some pieces. A variety of mixed halos: reddishbrown- dark bluish gray-light yellowish brown. VEINS: Veins up to 2 mm; compositions of carbonate, sediment, clays, and Iron oxyhydroxide. Complex vein textures in vertical vein in pc9</p>
	10	2		↑												
	20	3		↑												
	30	4		↑												
	40	5		↑												
167.30	50															
	60	6		↑	MAD •											
	70	7		↑												
	80	8		↑												
	90	9		↑												
167.80	100															
	110	10		↑												
	120	11		↑												























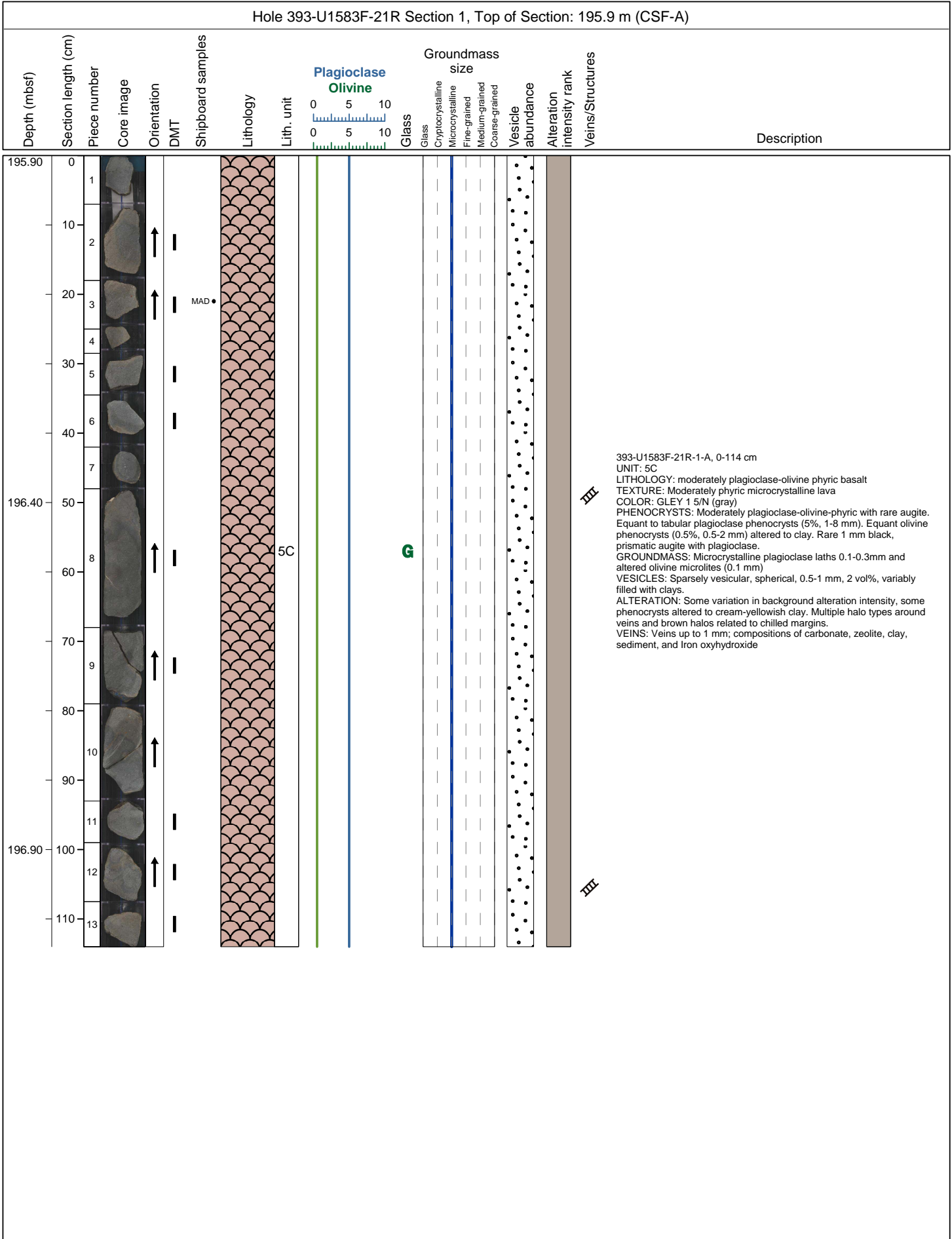




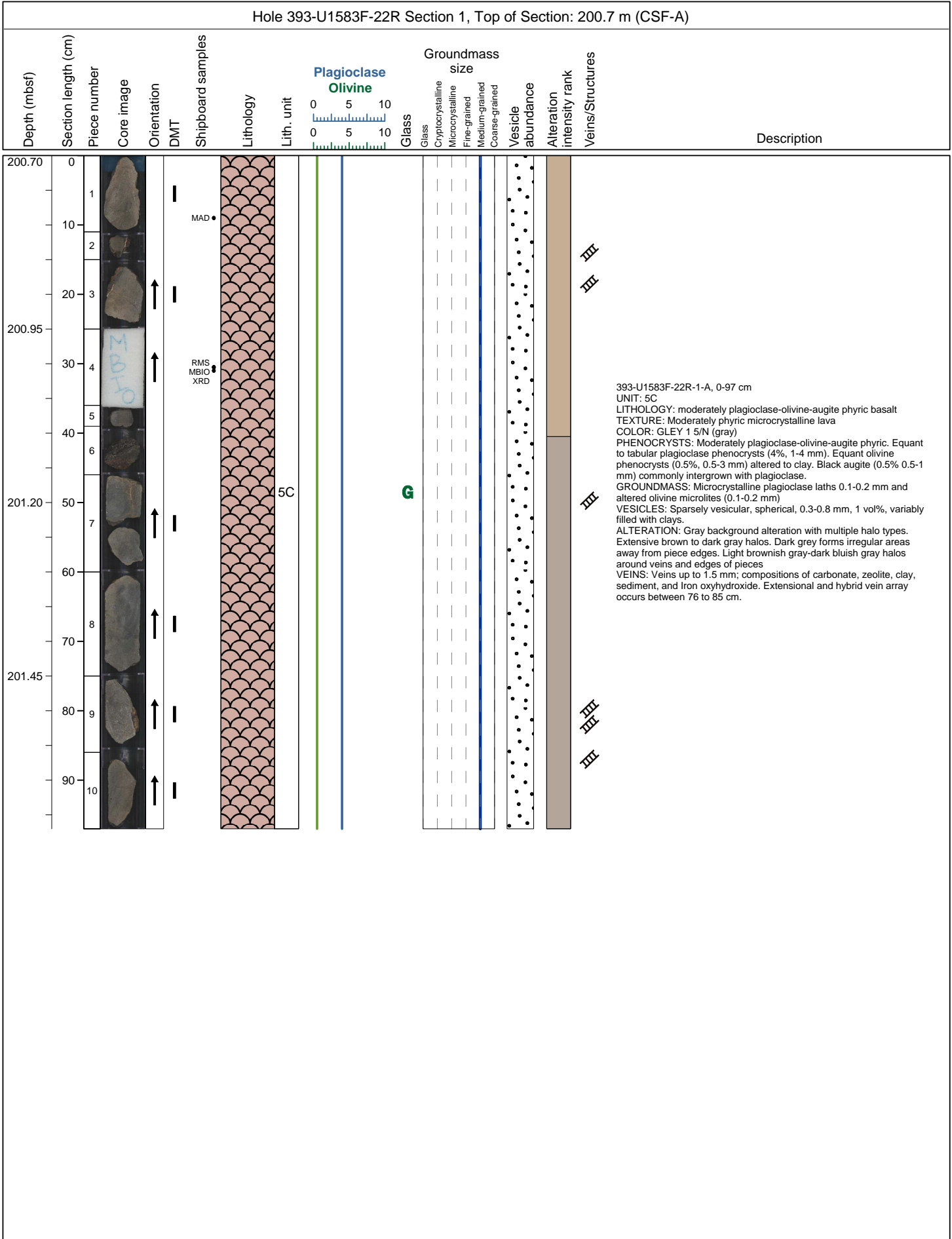
Hole 393-U1583F-18R Section 2, Top of Section: 182.69 m (CSF-A)															
Depth (mbsf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description
182.72	0			↑				5A							<p>393-U1583F-18R-2-A, 0-46 cm UNIT: 5A LITHOLOGY: moderately plagioclase-olivine phyric basalt TEXTURE: Moderately phyric microcrystalline lava COLOR: 2.5Y 3/1 (very dark gray) PHENOCRYSTS: Moderately plagioclase-olivine-phyric, equant to tabular plagioclase phenocrysts (4%, 1-6 mm). Extremely sparse equant to subequant olivine phenocrysts (~1%, 1-1.5 mm) variably altered including fresh pale green and yellow stained examples. GROUNDMASS: Microcrystalline, plag laths and sparse olivine microlites 0.1-0.3 mm in pillow interiors, cryptocrystalline to glassy chilled pillow margins. VESICLES: Sparsely vesicular, spherical, 0.5-0.8 mm, 1 vol%, variably filled with pale yellow clay. Variably filled with snow-white clay/zeolite. ALTERATION: Patchy gray-brown background. Brown alteration halos related to chilled margins and veins. Pc 2 has reddish brown-dark bluish gray layered halo adjacent to extensive brown halos. VEINS: Veins up to 7 mm; compositions of carbonate, clays, Iron oxyhydroxide, and zeolites.</p>
182.92	10	1		↑						G					
	20														
	30	2		↑											
	40	3		↑											
183.12															


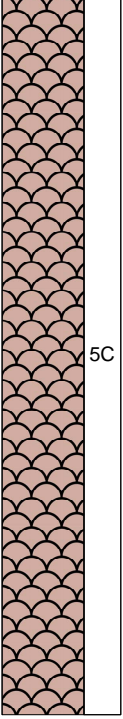
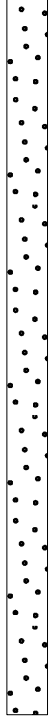







Hole 393-U1583F-19R Section 1, Top of Section: 186.2 m (CSF-A)																
Depth (mbsf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description	
186.20	0															<p>393-U1583F-19R-1-A, 0-46 cm UNIT: 5A LITHOLOGY: sparsely plagioclase-olivine phyric basalt TEXTURE: Sparsely phyric crypto- to microcrystalline lava COLOR: GLEY 1 5/N (gray) PHENOCRYSTS: Sparsely plagioclase-olivine-phyric, equant to tabular plagioclase phenocrysts (4%, 1-4 mm). Extremely sparse equant olivine phenocrysts (~0.2%, 1-1.5 mm) altered to orange clay and FeOH GROUNDMASS: Cryptocrystalline to microcrystalline plagioclase laths and olivine <0.2 mm VESICLES: Sparsely vesicular, spherical, 0.5-0.8 mm, 1 vol%, variably filled with pale yellow clay. ALTERATION: Uniform background alteration. Light brownish gray-dark gray (slightly bluish) around veins and broken surfaces VEINS: Veins up to 0.5 mm; compositions of carbonate, zeolite, clay, and Iron oxyhydroxide</p>
	1															
	10															
	2															
186.40	20															
	3															
	4															
	5															
	30															
	6															
	40															
186.60																

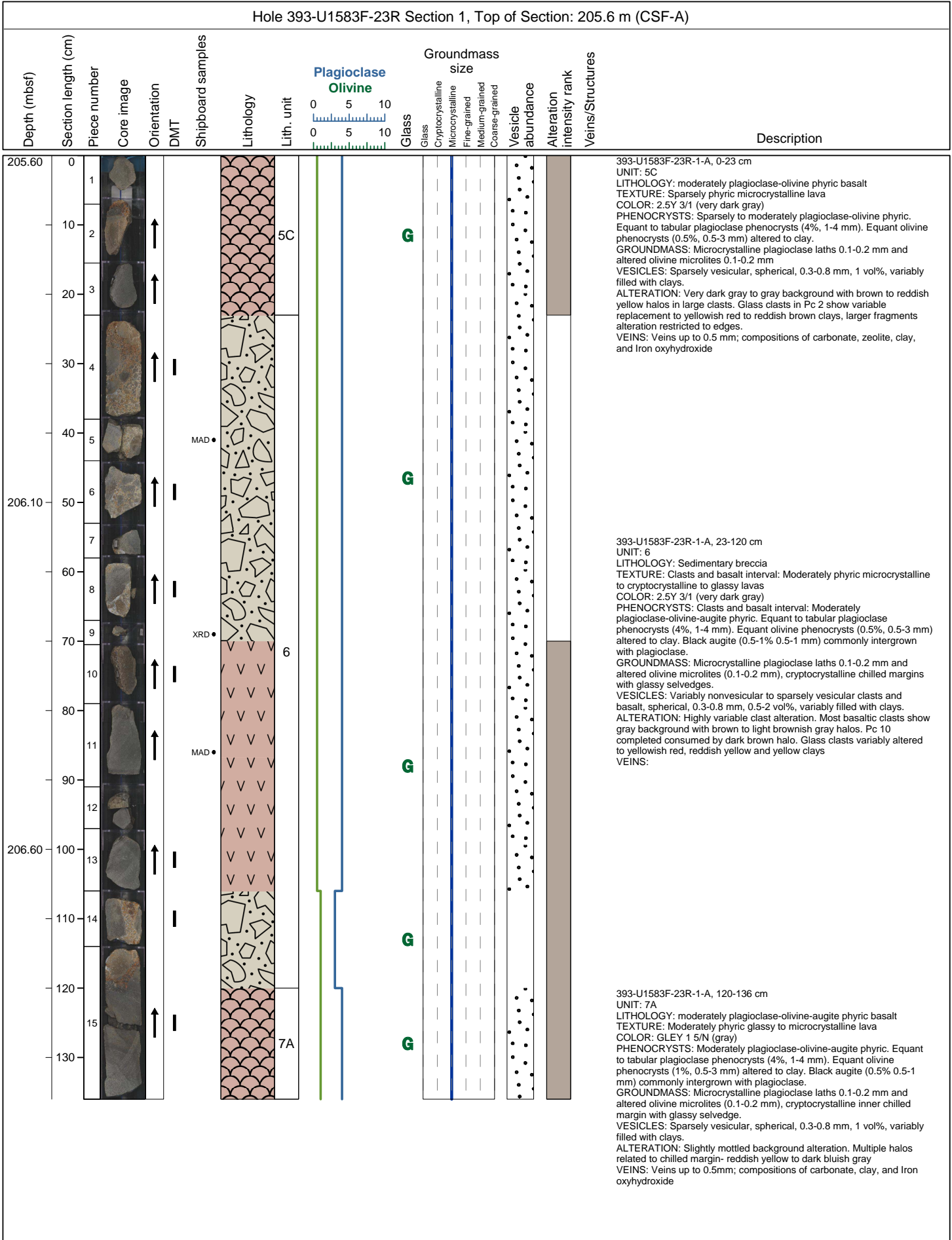
Hole 393-U1583F-20R Section 1, Top of Section: 191.0 m (CSF-A)																		
Depth (mbsf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine		Groundmass size					Alteration intensity rank	Veins/Structures	Description
									0	5	10	Glass	Cryptocrystalline	Microcrystalline	Fine-grained			
191.00	0	1		↑			5A 5B 5C										393-U1583F-20R-1-A, 0-26 cm UNIT: 5A LITHOLOGY: sparsely plagioclase-olivine phyric basalt TEXTURE: Microcrystalline. COLOR: GLEY 1 5/N (gray) PHENOCRYSTS: Sparsely to moderately plagioclase-olivine-phyric, equant to tabular plagioclase phenocrysts (2-5%, 1-4 mm), equant olivine phenocrysts (~0.2-0.5%, 1-1.5 mm) altered to pale or orange clay. GROUNDMASS: Microcrystalline, plag laths 0.1-0.2 mm VESICLES: Nonvesicular, spherical, 0.2-0.8 mm, 0.2 vol%, variably filled with clay ALTERATION: Dark gray background with alteration of plagioclase phenocrysts. Irregular light brownish gray-dark gray halos around the edges of pieces VEINS: Veins up to 0.5 mm; compositions of carbonate, zeolite, clay, and Iron oxyhydroxide	
	10	2		↑	MAD													
	20	3		↑														
191.20	30	4		↑														
	40	5		↑														
	50	6		↑	XRD XRD													
	60	7		↑														
	70	8		↑														
191.40	80	9		↑														
	90	10		↑		ICP TS TSB												
	100																	393-U1583F-20R-1-A, 36-43 cm UNIT: 5B LITHOLOGY: basaltic breccia TEXTURE: COLOR: 10YR 5/1 (gray) PHENOCRYSTS: GROUNDMASS: VESICLES: ALTERATION: Alteration of clasts mostly ranges from moderate to complete, with 2 clasts only slightly altered. Clear <1mm->10mm light brownish gray to dark gray halos as borders to clasts. VEINS: Veins up to 1 mm; compositions of carbonate
	110																	393-U1583F-20R-1-A, 43-76 cm UNIT: 5C LITHOLOGY: moderately plagioclase-olivine phyric basalt TEXTURE: Moderately phyric microcrystalline lava COLOR: 2.5Y 3/1 (very dark gray) PHENOCRYSTS: Moderately plagioclase-olivine-phyric, equant to tabular plagioclase phenocrysts (5%, 1-3 mm). Equant olivine phenocrysts (~1%, 0.5-1 mm) altered to clay GROUNDMASS: Microcrystalline, plag laths 0.1-0.2 mm VESICLES: Nonvesicular, spherical, 0.2-0.8 mm, 0.5 vol%, variably filled with clay ALTERATION: Dark gray background with alteration of plagioclase phenocrysts. Irregular light brownish gray-dark gray halos from 43-54cm. Reddish brown - dark bluish gray halos 61-71cm. VEINS: Veins up to 0.5 mm; compositions of carbonate, zeolite, clays, and iron oxyhydroxide

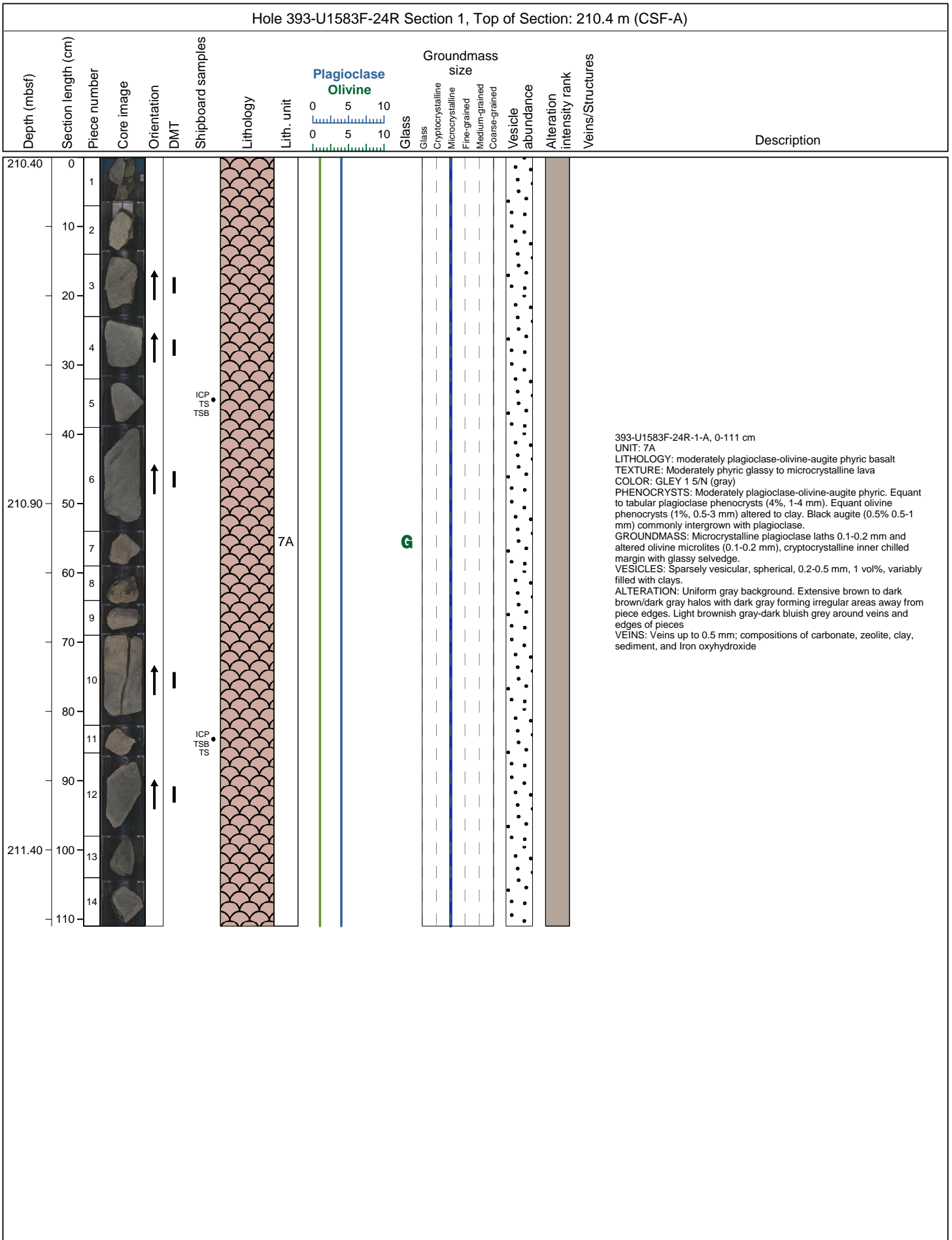







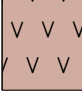

Hole 393-U1583F-21R Section 2, Top of Section: 197.04 m (CSF-A)															
Depth (mbsf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description	
									0 5 10 0 5 10	Glass G					
197.04	0			↑				5C		G					<p>393-U1583F-21R-2-A, 0-59 cm UNIT: 5C LITHOLOGY: moderately plagioclase-olivine phyric basalt TEXTURE: Moderately phyric microcrystalline lava COLOR: GLEY 1 5/N (gray) PHENOCRYSTS: Moderately plagioclase-olivine-phyric with rare augite. Equant to tabular plagioclase phenocrysts (4%, 1-4 mm). Equant olivine phenocrysts (1%, 0.5-3 mm) altered to clay. Rare black augite intergrown with plagioclase. GROUNDMASS: Microcrystalline plagioclase laths 0.1-0.2 mm and altered olivine microlites (0.1-0.2 mm) VESICLES: Sparsely vesicular, spherical, 0.3-0.8 mm, 1 vol%, variably filled with clays. ALTERATION: Gray background alteration with extensive brown halos around edge of pieces, veins and as a fronts from chilled margins. Dark gray (bluish hint) with brown halos around veins. VEINS: Veins up to 1 mm; compositions of carbonate, zeolite, clay, sediment, and Iron oxyhydroxide</p>
197.24	20			↑											
197.44	40			↑											
	50														

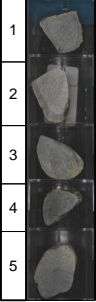






Hole 393-U1583F-22R Section 2, Top of Section: 201.67 m (CSF-A)																
Depth (mbsf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description	
									0 5 10 0 5 10	Glass Cryptocrystalline Microcrystalline Fine-grained Medium-grained Coarse-grained						
201.68	0	1		↑				5C		G						<p>393-U1583F-22R-2-A, 0-68 cm UNIT: 5C LITHOLOGY: moderately plagioclase-olivine phyric basalt TEXTURE: Moderately phyric microcrystalline lava COLOR: GLEY 1 5/N (gray) PHENOCRYSTS: Moderately plagioclase-olivine-augite phyric. Equant to tabular plagioclase phenocrysts (4%, 1-4 mm). Equant olivine phenocrysts (0.5%, 0.5-3 mm) altered to clay. Black augite (0.5% 0.5-1 mm) commonly intergrown with plagioclase. GROUNDMASS: Microcrystalline plagioclase laths 0.1-0.2 mm and altered olivine microlites (0.1-0.2 mm) VESICLES: Sparsely vesicular, spherical, 0.3-0.8 mm, 2 vol% average, with ~1% in background and a more vesicular interval at 37-46 cm (~5%, irregular shaped, 2-5 mm). ALTERATION: Gray background with multiple halos types. Reddish yellow to brown halos associated with chilled margins. Extensive brown halos in pc2. Light brownish gray-dark bluish gray around veins and edges of pieces VEINS: Veins up to 0.5 mm; compositions of carbonate, zeolite, clay, sediment, and iron oxyhydroxide</p>
	10															
201.88	20	2		↑												
	30	3														
	40	4														
202.08	50	5		↑												
	60	6														
202.28	60	7														
		8														



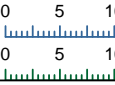

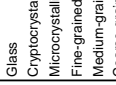
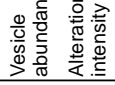
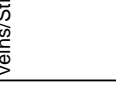
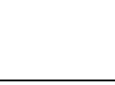

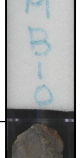







Hole 393-U1583F-25R Section 1, Top of Section: 215.3 m (CSF-A)																
Depth (mbst)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description	
									0 5 10 0 5 10		Cryptocrystalline Microcrystalline Fine-grained Medium-grained Coarse-grained					
215.30	0			↑												393-U1583F-25R-1-A, 0-30 cm UNIT: 7A LITHOLOGY: sparsely plagioclase-olivine phyric basalt TEXTURE: Sparsely phyric microcrystalline lava COLOR: GLEY 1.5/N (gray) PHENOCRYSTS: Sparsely plagioclase-olivine phyric. Equant to tabular plagioclase phenocrysts (3.5%, 1-4 mm). Equant olivine phenocrysts (0.3%, 0.4-0.5 mm) altered to clay. GROUNDMASS: Microcrystalline plagioclase laths 0.1-0.2mm and altered olivine microlites (0.1 mm) VESICLES: Nonvesicular, spherical, 0.2-0.5 mm, 0.5 vol%, variably filled with clays. ALTERATION: Gray background alteration with dark grey (brown) halo in pc 1. Light brownish gray-dark bluish grey halos around veins and edges in pc2-3 VEINS: Veins up to 0.5 mm; compositions of zeolite, clay, and Iron oxyhydroxide.
215.40	10	1		↑				7A								
215.50	20	2		↑												
	30	3		↑		MAD •										

Hole 393-U1583F-26R Section 1, Top of Section: 220.1 m (CSF-A)															
Depth (mbst)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description
220.10	0	1													393-U1583F-26R-1-A, 0-28.5 cm UNIT: 7B LITHOLOGY: sparsely plagioclase-olivine phyric basalt TEXTURE: Microcrystalline to fine grained plagioclase laths 0.1-0.5 mm and altered olivine microlites (0.1 mm) COLOR: 2.5Y 3/1 (very dark gray) PHENOCRYSTS: Sparsely plagioclase-olivine phyric. Equant to tabular plagioclase phenocrysts (3.5%, 1-4 mm). Equant olivine phenocrysts (0.3%, 0.4-0.5 mm) altered to clay. GROUNDMASS: Microcrystalline to fine grained plagioclase laths 0.1-0.5 mm and altered olivine microlites (0.1 mm) VESICLES: Nonvesicular, spherical, 0.2-0.5 mm, 0.5 vol%, variably filled with clays. ALTERATION: Mixed background alteration with dark gray or gray background. All pieces have concentric light brownish gray-dark bluish gray halos around edge of pieces VEINS: Veins up to 0.2 mm; composed of clay
220.20	10	2													
		3													
		4													
220.30	20	5													

Hole 393-U1583F-27R Section 1, Top of Section: 225.0 m (CSF-A)															
Depth (mbsf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description
225.00	0	1													<p>393-U1583F-27R-1-A, 0-41.5 cm UNIT: 7B LITHOLOGY: sparsely olivine-plagioclase phyric basalt TEXTURE: Cryptocrystalline to microcrystalline interior groundmasses and glassy margins COLOR: 2.5Y 3/1 (very dark gray) PHENOCRYSTS: Sparsely olivine-plagioclase-phyric. Equant olivine phenocrysts (2%, 0.2-0.5 mm) mostly altered to clay, rare fresh examples. Equant to tabular plagioclase phenocrysts (1.5%, 0.3-1.5 mm). GROUNDMASS: Cryptocrystalline to microcrystalline interior groundmasses and glassy margins VESICLES: Sparsely vesicular, spherical, 0.2-0.5 mm, 1 vol% average but variable from piece to piece (0.5-2%), variably filled with clays. ALTERATION: Mixed background alteration. Patchy reddish yellow halos in most pieces. Light brownish gray in pc1 VEINS: Veins up to 1 mm; compositions of carbonate, zeolite, clay and Iron oxyhydroxide.</p>
225.10	10	2													
		3													
225.20	20	4				XRD •		7B		G					
		5													
225.30	30	6													
		7													
225.40	40	8													

Hole 393-U1583F-28R Section 1, Top of Section: 229.8 m (CSF-A)															
Depth (mbsf)	Section length (cm)	Piece number	Core image	Orientation	DMT	Shipboard samples	Lithology	Lith. unit	Plagioclase Olivine	Glass	Groundmass size	Vesicle abundance	Alteration intensity rank	Veins/Structures	Description
									0 5 10 0 5 10	Glass	Cryptocrystalline Microcrystalline Fine-grained Medium-grained Coarse-grained				
229.80	0	1				TSB IC P		7B							<p>393-U1583F-28R-1-A, 0-62 cm UNIT: 7B LITHOLOGY: sparsely olivine-plagioclase phyric basalt TEXTURE: Glassy margins with fine grained interiors. COLOR: GLEY 1 5/N (gray) PHENOCRYSTS: Sparsely olivine-plagioclase-phyric. Equant olivine phenocrysts (2%, 0.1-0.8 mm) altered to clay. Equant to tabular plagioclase phenocrysts (2%, 0.5-3 mm). GROUNDMASS: Glassy margins with fine grained interiors, plagioclase laths 0.3-0.8 mm VESICLES: Nonvesicular, spherical, 0.2-0.5 mm, 0.5 vol%, variably filled with clays. ALTERATION: Gray background. Most of interval is low intensity reddish yellow halos related to chilled margins. Dark gray (brown) as a transition from reddish yellow in last piece. VEINS: Veins up to 2 mm, compositions of carbonate and clay.</p>
	10	2													
230.00	20	3		↑		MBIO XRD									
	30	4		↑											
230.20	40	5		↑											
	50	6		↑											
230.40	60														

