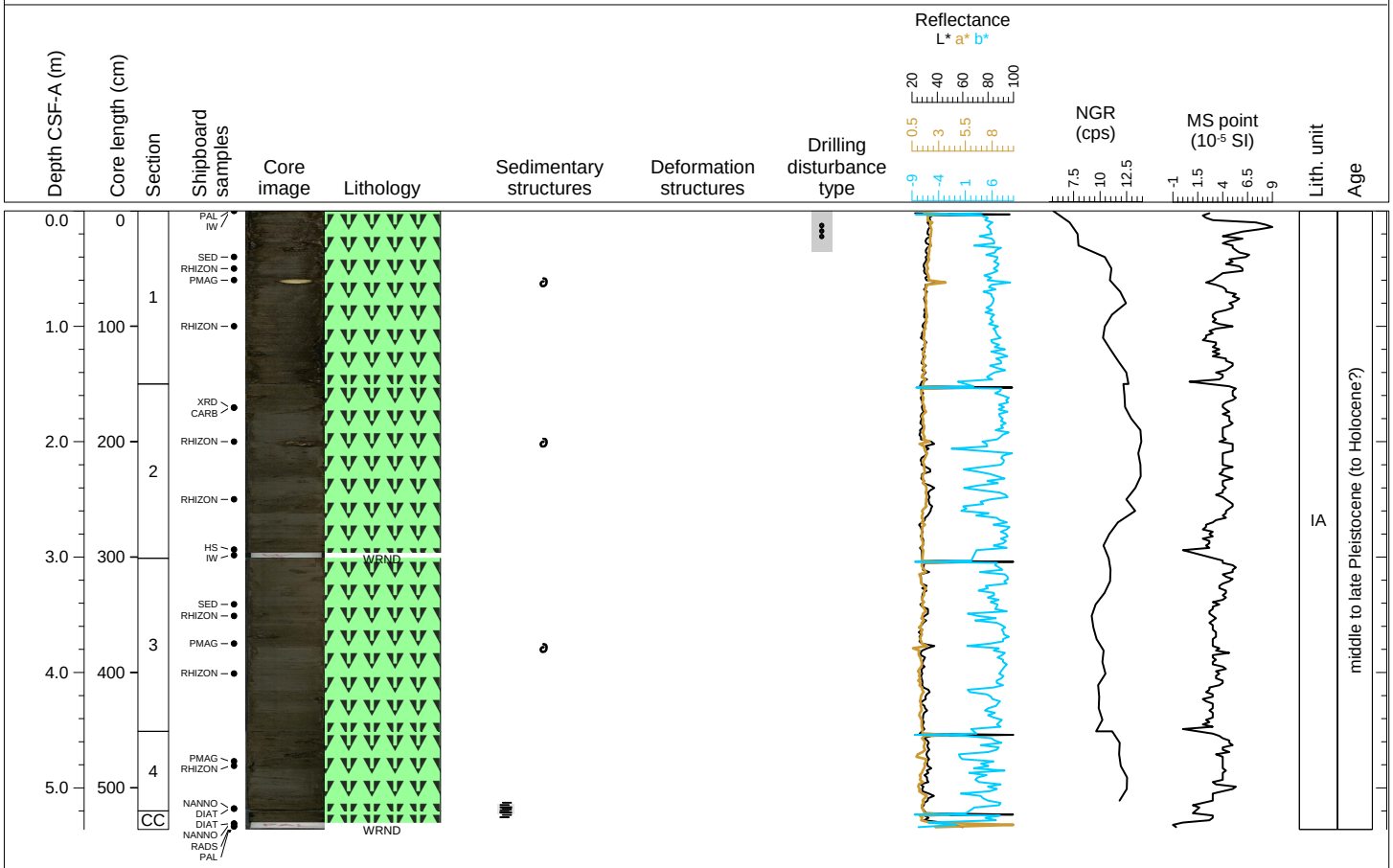
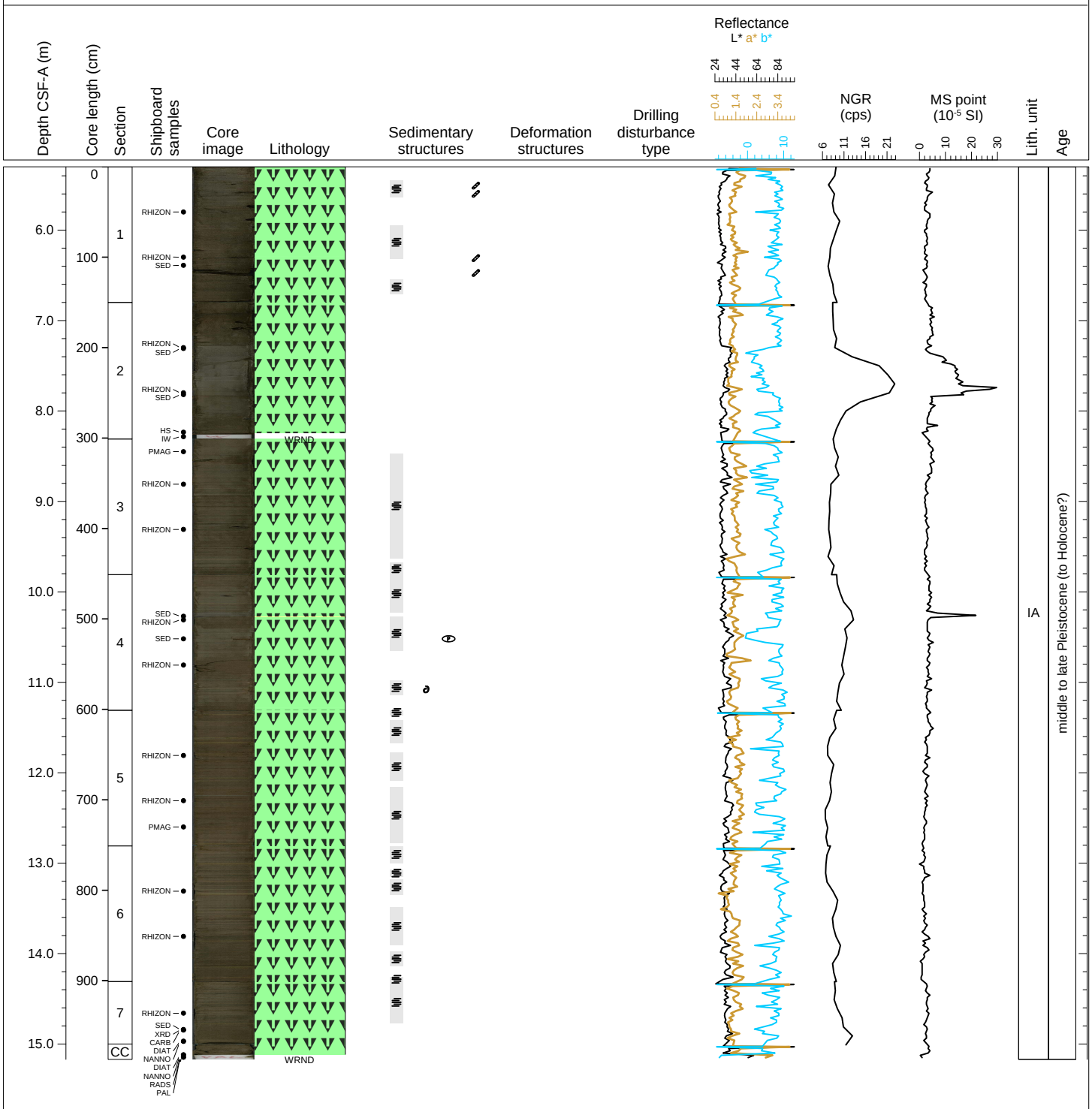
Hole 385-U1547A Core 1H, Interval 0.0-5.36 m (CSF-A)

This core consists of olive gray (5Y 3/2) NANNOFOSSIL-BEARING CLAY-RICH DIATOM OOZE. The first 35 cm of section 1 are soupy. An intact shell is present at 60 cm in section 1. Fragmented shells occur in section 2 at 50 cm and in section 3 at 78 cm. Faint lamination is present between 63 and 68 cm in section 4 and in the CC.



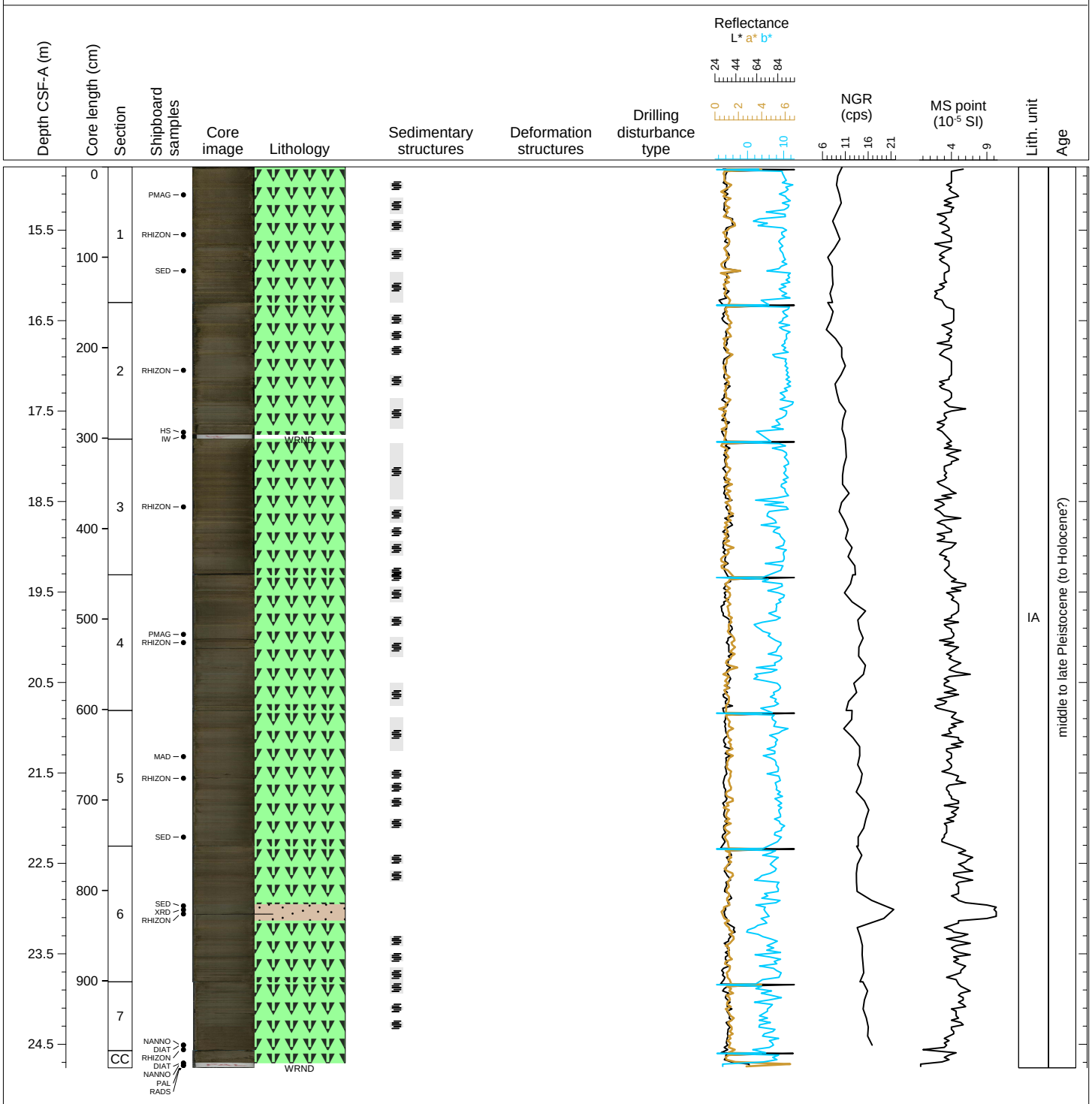
Hole 385-U1547A Core 2H, Interval 5.3-15.17 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Lamination occurs in sections 3, 4 5, 6 and 7. Open burrows are present in sections 1, 2 and 3. In section 4, fish remains are present at 24 cm and a small phosphate concretion with fish remains and phosphate minerals are present at 71 cm. A terrigenous SILT lamina is present in the same section at 46 cm.



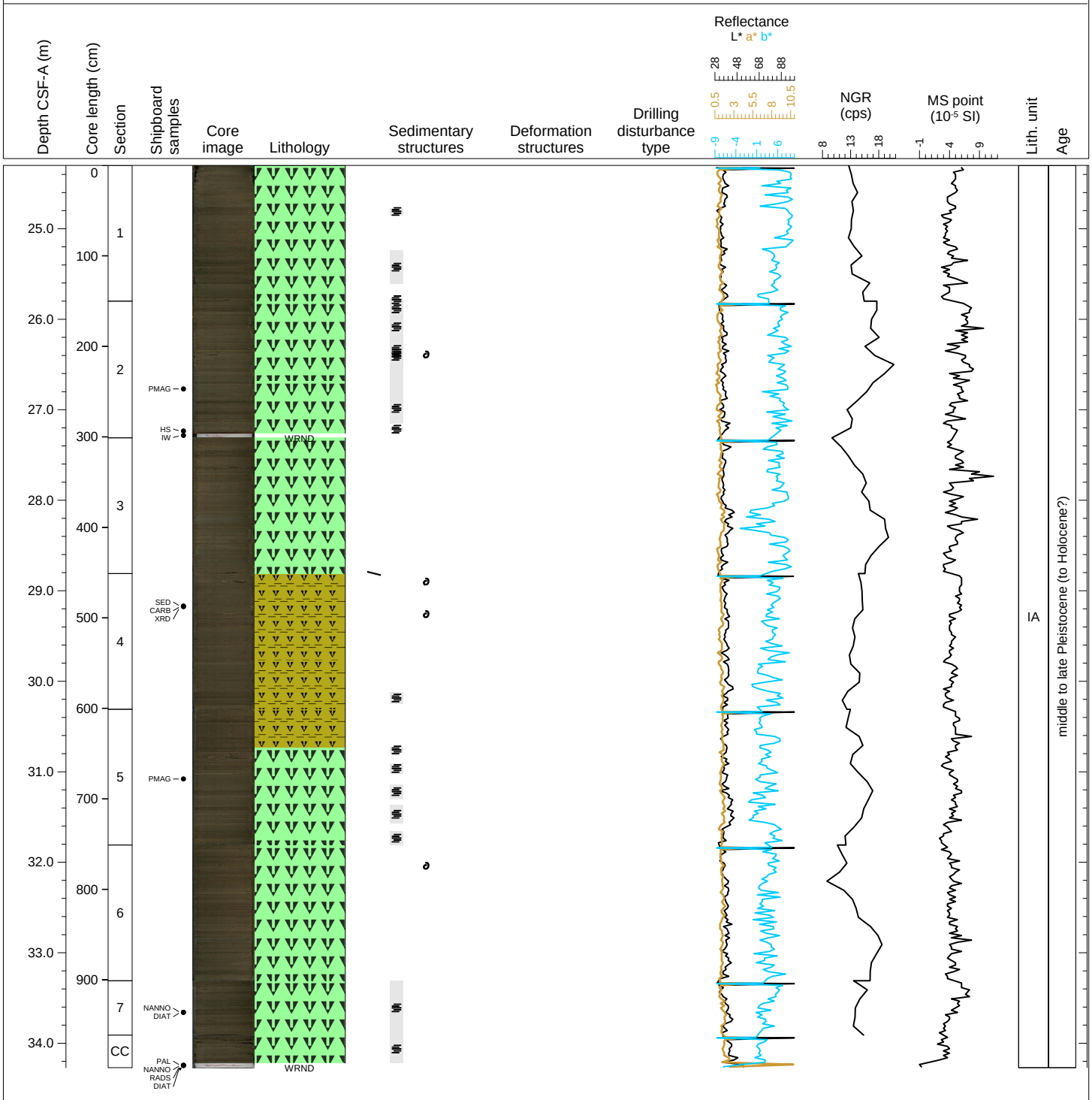
Hole 385-U1547A Core 3H, Interval 14.8-24.76 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Lamination occurs in all sections and alternates with homogenous intervals. A lighter lamina of FORAMINIFERA OOZE is present in section 1 at 116 cm. A layer of DIATOM-RICH SILTY CLAY is present in section 6 between 64 and 84 cm.



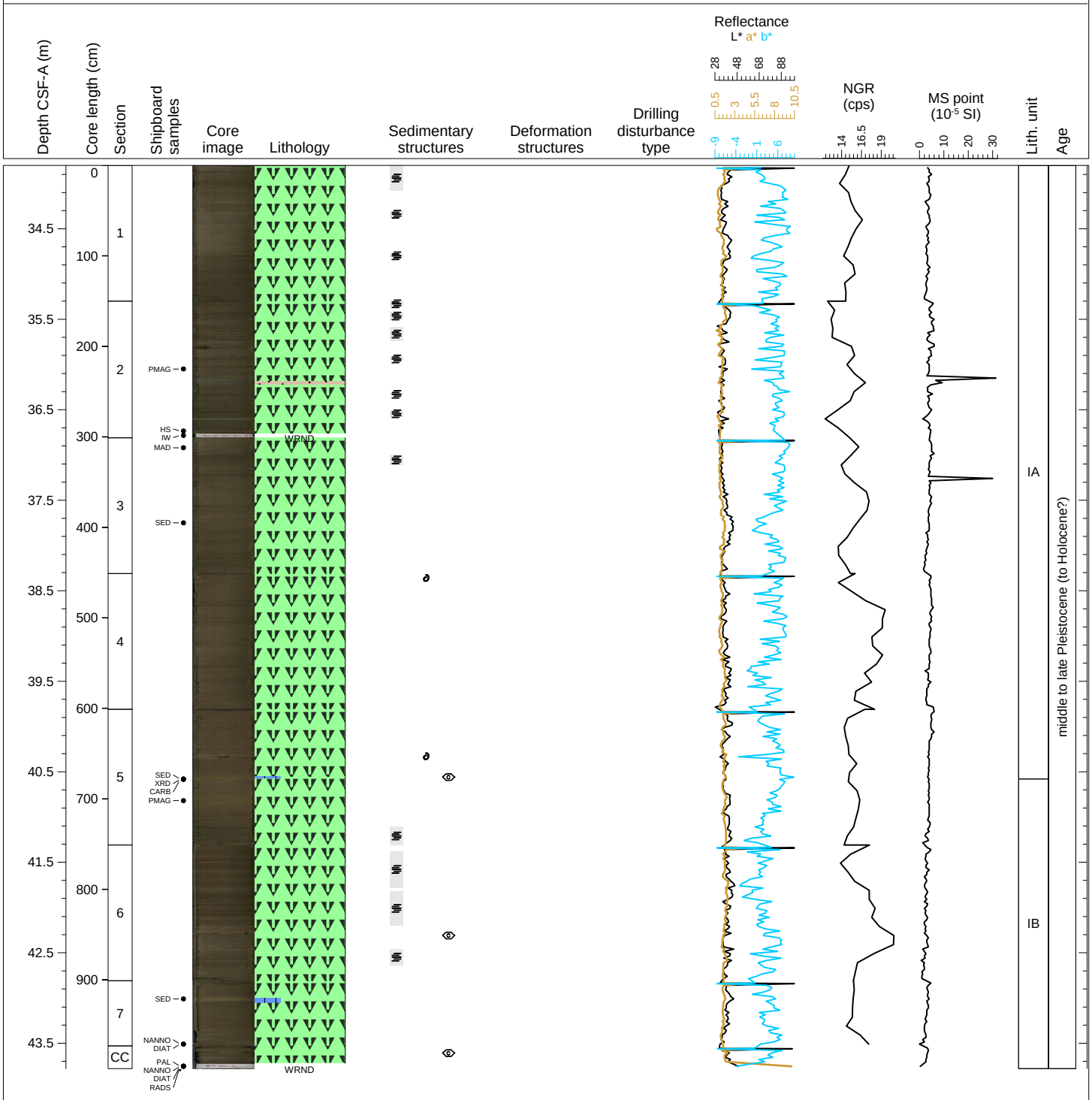
Hole 385-U1547A Core 4H, Interval 24.3-34.27 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Laminated intervals alternate with homogenous intervals in sections 1 , 2, 3, 5 7 and CC. Diatom mats constitute some laminae. Contorted laminae are present in section 3 between 54 and 67 cm and at 140 cm. Homogenous gray layers of DIATOM SILTY CLAY occur between 88 and 92 cm in section 3 and between 103-107 cm in section 6. Shell fragments are present from sections 2 to 6.



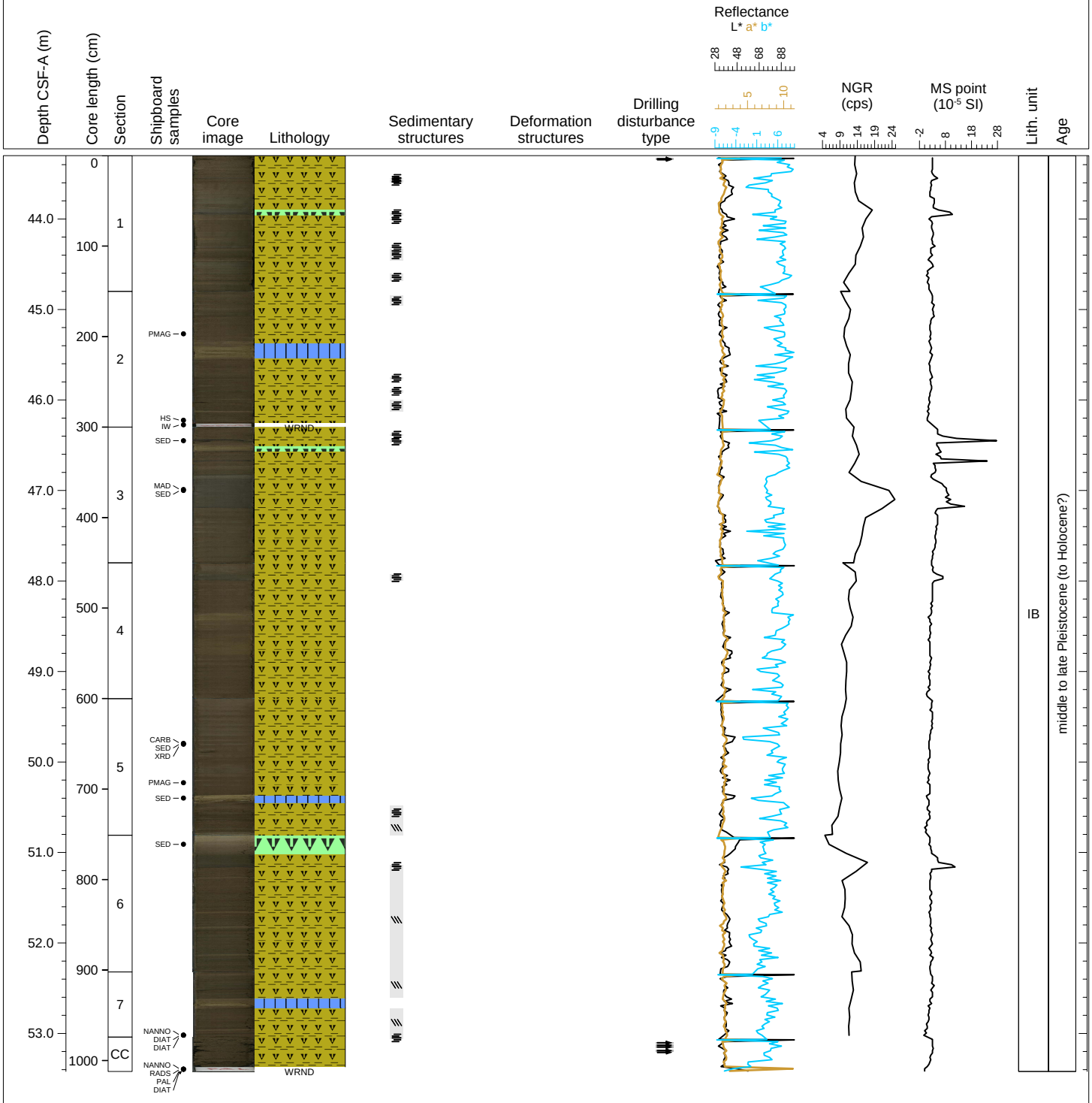
Hole 385-U1547A Core 5H, Interval 33.8-43.78 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Laminated intervals are present in sections 1, 2, 3 (top) and 6. Deformed laminae are present in section 1 between 22 and 42 cm and a truncated erosional contact with thin laminae occurs at 100 cm in section 1. Layers of SILTY DIATOM CLAY occur in section 2 between 88 and 93 cm and at the bottom of section 4 (148 cm) and top of section 5. Moderate olive brown (5Y 4/4) carbonate concretions are present in section 5 as a thin layer at 76 cm, in section 6 at 98 cm, in section 7 at 22 cm and in the CC as a spherical concretion at 7 cm.



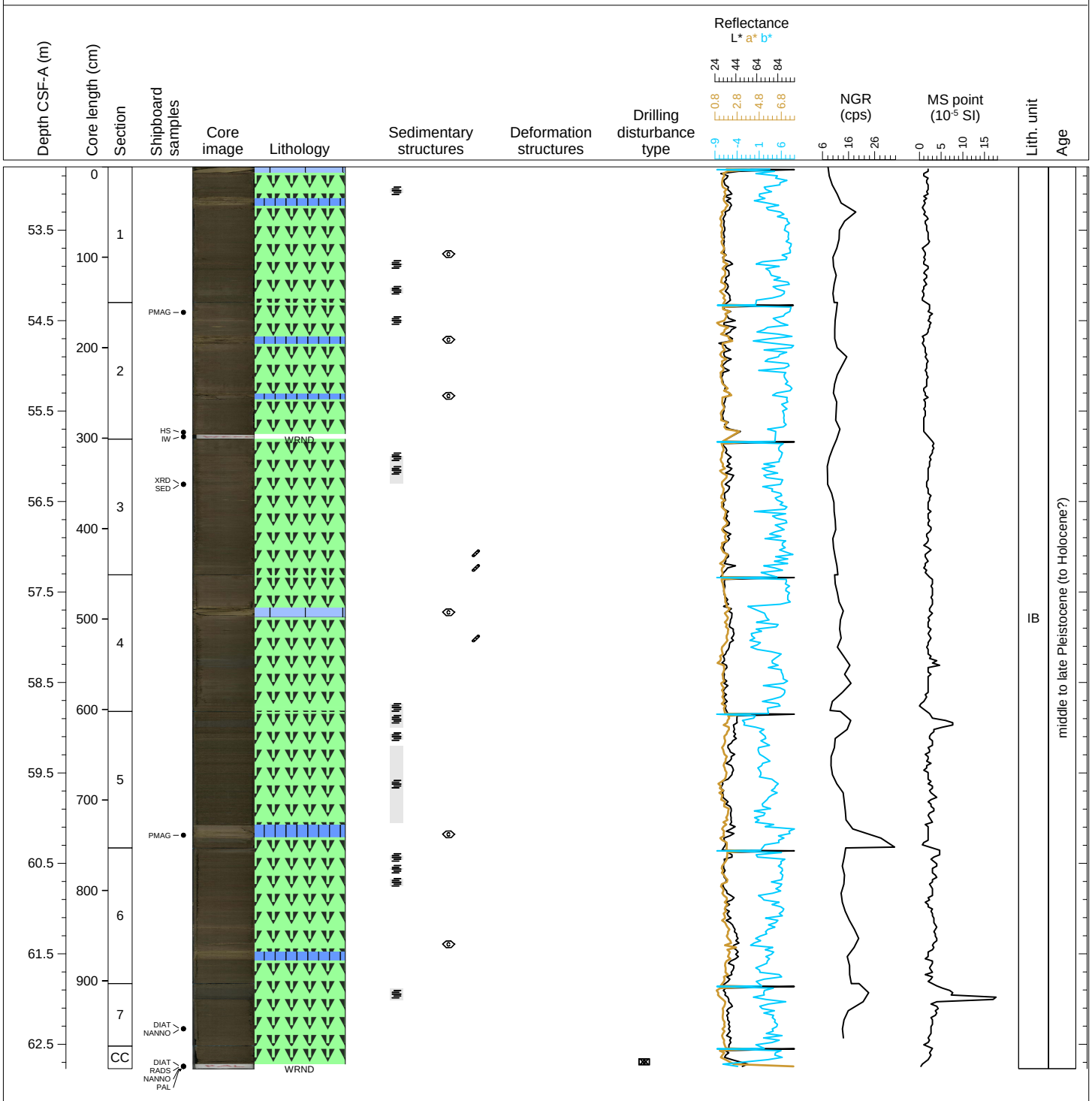
Hole 385-U1547A Core 6H, Interval 43.3-53.42 m (CSF-A)

This core consists of mainly olive gray (5Y 3/2) MICRITE-BEARING DIATOM CLAY. Light olive gray (5Y 5/2) layers are present in sections 1 (59-65.5 cm), 3 (20.5-27 cm) and 6 (0-21 cm) which are composed of DIATOM OOZE. Yellowish gray (5Y 7/2) layers are also present in sections 2 (57-74 cm), 5 (107-115 cm) and 7 (29-40 cm) which are composed of DIATOM-RICH MICRITE. Laminae with an alternation of darker and lighter (5Y 7/2) colors mostly occur in sections 1 to 7. Tilted laminae are present from the bottom (118 cm) of section 5 to the bottom of section 7. Black laminae with coarse grains composed of SILTY SAND are present in sections 1 (63-65.5 cm) and 3 (14-17 cm). Several light gray (N7) to medium gray (N5) layers are present in sections 1 (101-101.5 cm), 2 (76.5 cm), 3 (27-27.5 cm, 37.5-38.5 cm, 54-89 cm), 4 (13-20 cm), 5 (147.5-149 cm) and 6 (33-36 cm).



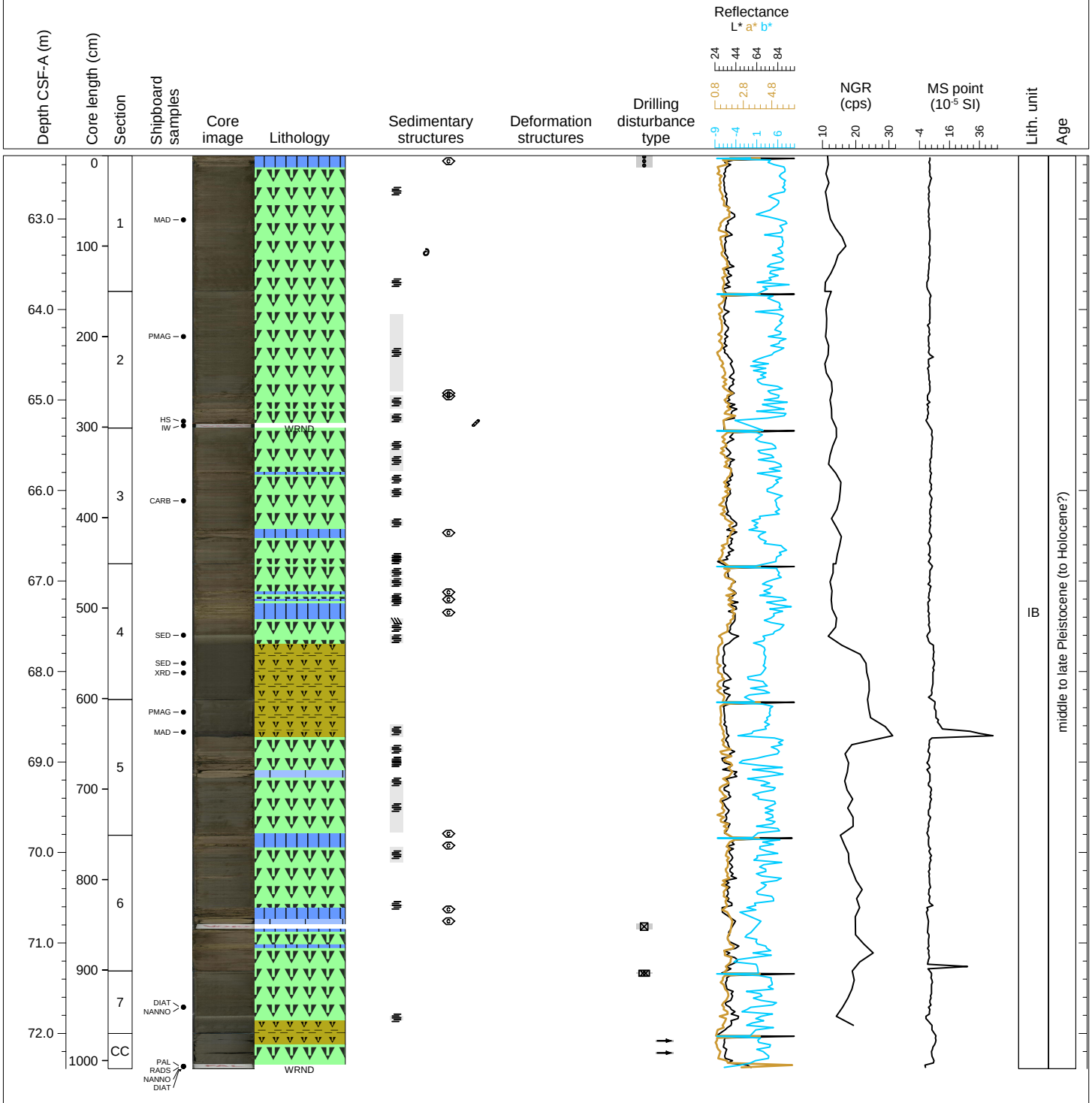
Hole 385-U1547A Core 7H, Interval 52.8-62.77 m (CSF-A)

This core consists of mainly olive gray (5Y 3/2) MICRITE-BEARING CLAY-RICH DIATOM OOZE. Yellowish gray (5Y 7/2) of DIATOM-RICH MICRITE layers, most containing several carbonate concretions, are present in sections 1 (34-43 cm), 2 (37-45.5 cm, 100-106.5 cm), 5 (125-139 cm) and 6 (114-124 cm). LIMESTONE/DOLOSTONE is present at 0-6 cm in section 1 and at 36-47 cm in section 4. Laminae with an alternation of darker and lighter (5Y 7/2) colors occur in sections 1 to 7. Several light gray (N7) to dark gray (N3) DIATOM-RICH SILTY CLAY layers are present in sections 4 (93-103 cm), 5 (10-17.5 cm) and 7 (5.5-18 cm).



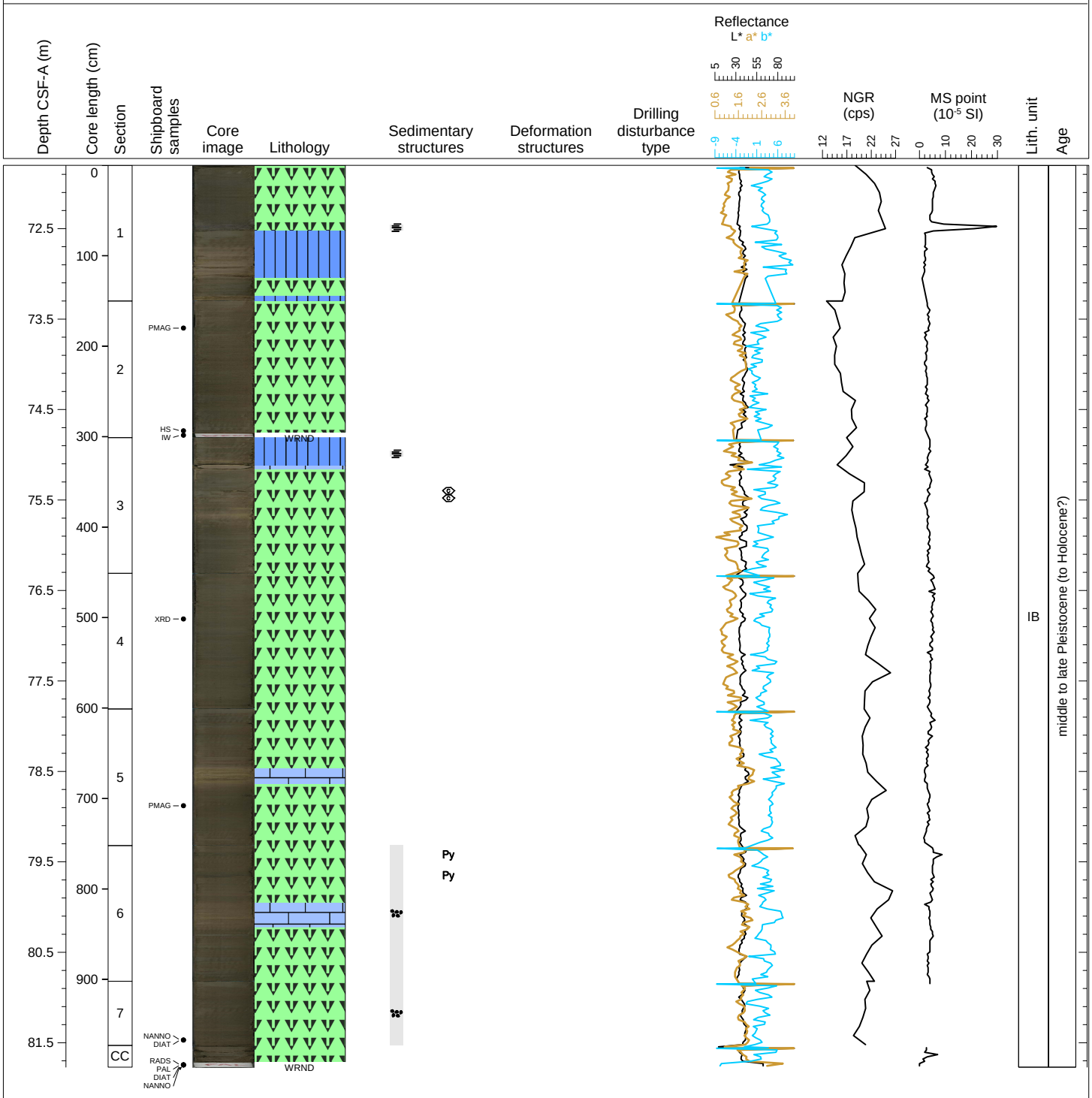
Hole 385-U1547A Core 8H, Interval 62.3-72.39 m (CSF-A)

This core consists of mainly olive gray (5Y 3/2) MICRITE-BEARING CLAY-RICH DIATOM OOZE. Dark yellowish brown (10YR 4/2) intervals composing of DIATOM CLAY are present in sections 4 (88-150 cm), 5 (0-42 cm), 7 (54-68 cm) and CC (0-12 cm). Yellowish gray (5Y 7/2) LIMESTONE/DOLOSTONE is present at 79-86 cm in section 5 and at 92-98 cm in section 6. Yellowish gray (5Y 7/2) layers of DIATOM-RICH MICRITE, most containing several carbonate concretions, are present in sections 2 (129-145 cm), 3 (48-51 cm, 111-121 cm), 4 (30-33 cm, 38-41 cm, 43-61 cm), 5 (147-150 cm) and 6 (0-13 cm, 80-92 cm, 104-106 cm, 120-125 cm). Other carbonate concretions are present in sections 1 (0-12.5 cm) and 2 (112.5-113 cm, 115-117 cm). Laminae with an alternation of darker and lighter (5Y 7/2) colors occur in sections 1 to 7. Tilted laminae occur at 61-66 cm in section 4. Several very light gray (N8) CLAY-RICH DIATOM OOZE layers are present in sections 4 (78-88 cm) and 7 (49.5-54 cm). A shell fragment is present at 106.5-107 cm in section 1.



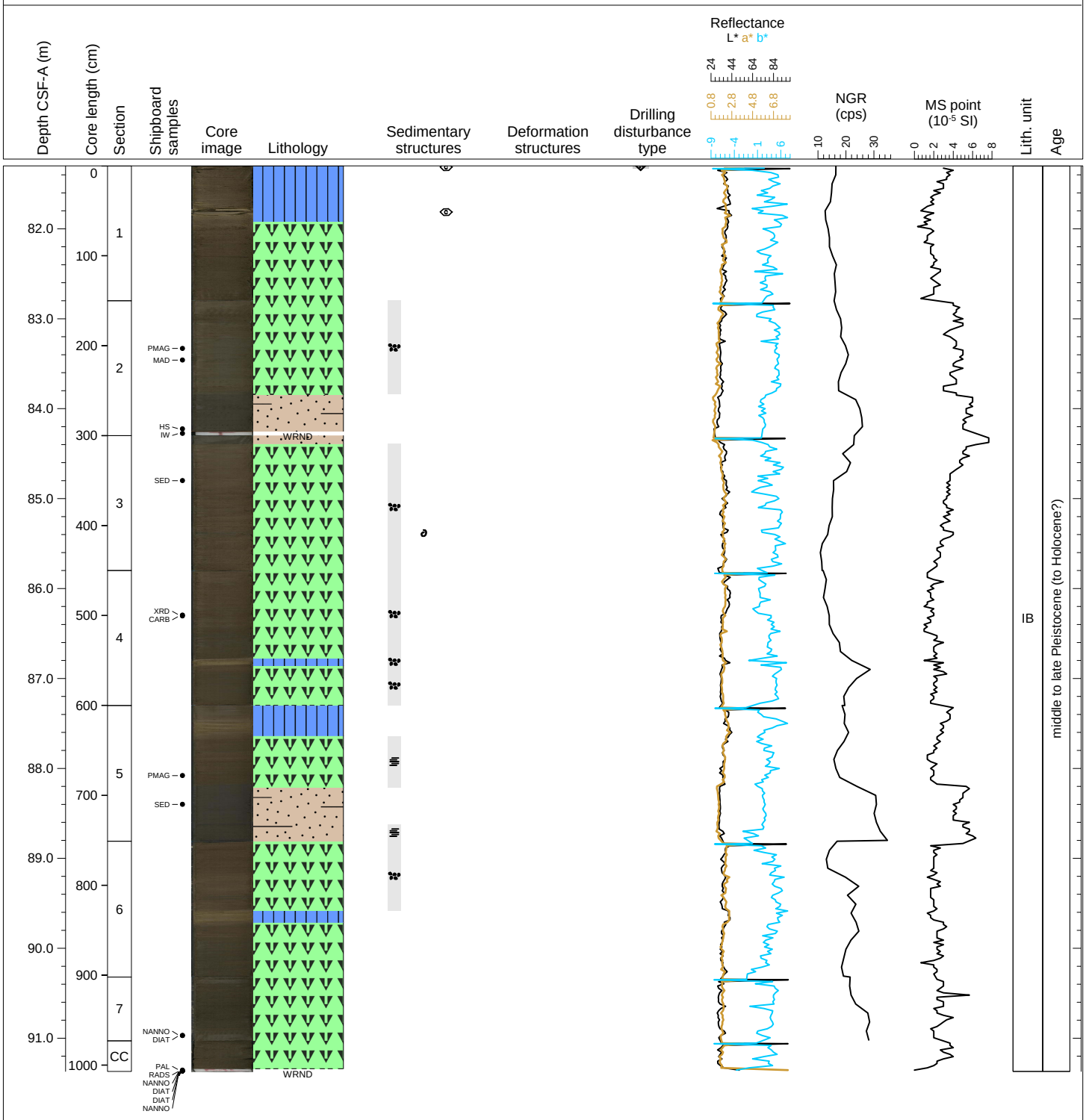
Hole 385-U1547A Core 9H, Interval 71.8-81.77 m (CSF-A)

This core is mainly composed of an alternation between olive gray (5Y 3/2) MICRITE-BEARING CLAY-RICH DIATOM OOZE and dark yellowish brown (10YR 4/2) DIATOM-RICH MICRITE. LIMESTONE/DOLOSTONE is present at 31-35 cm in section 3. Slightly titled laminae with dark volcanic SAND/SILT and brown CLAY are present at 66-72 cm in section 1 and at 15-21 cm in section 3. Sulfide patches (pyrite) are present at 10-12 cm and 33-35 cm in section 6. Sediments are mottled in sections 6 and 7.



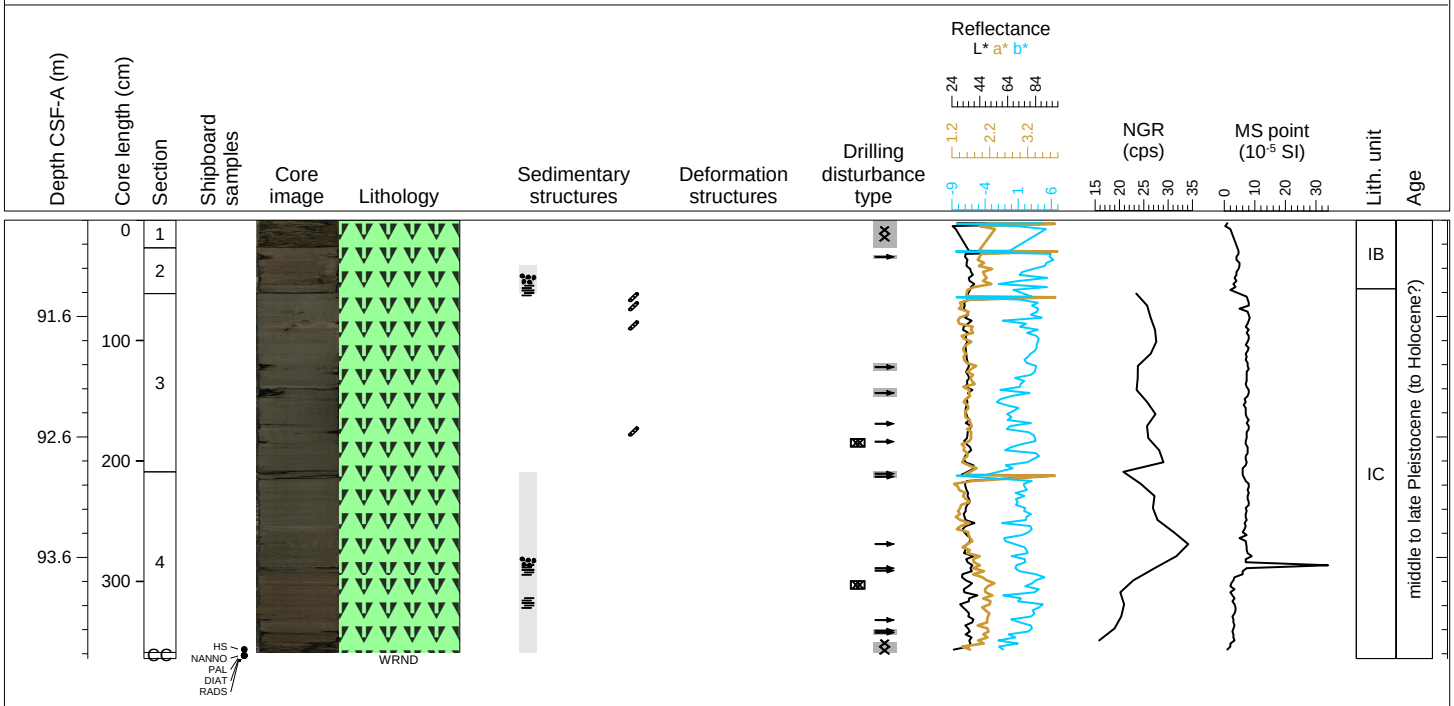
Hole 385-U1547A Core 10H, Interval 81.3-91.37 m (CSF-A)

This core is mainly composed of an alternation between olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE and dark yellowish brown (10YR 4/2) DIATOM-RICH SILTY CLAY. Pale yellowish brown (10YR 4/2) DIATOM-RICH MICRITE layers are present in sections 1 (0-62 cm), 4 (97-106 cm), 5 (0-34 cm) and 6 (77-90 cm). Carbonate concretions occur in section 1 (0-3 cm (fall-in?), 48-55 cm). A shell fragment is present at 108-109 cm in section 3. A dark gray (N3) lamina is present in section 5 (132 cm). Sediments are mottled in sections 2 to 4 and 6.



Hole 385-U1547A Core 11H, Interval 90.8-94.44 m (CSF-A)

This core is mainly composed of olive gray (5Y 3/2) to dark yellowish brown (10YR 4/2) CLAY-RICH DIATOM OOZE. Medium gray (N5) layers or patches of DIATOM-RICH SILTY CLAY are present in sections 2 (33-37 cm) and 4 (70-72 cm, 79-84 cm). Sediments are mottled at the bottom (14-37 cm) of section 2 and throughout the section 4. Sediments in sections 1 and at the bottom of section 4 are highly disturbed by drilling (breccia). Filled burrows are present in section 3.



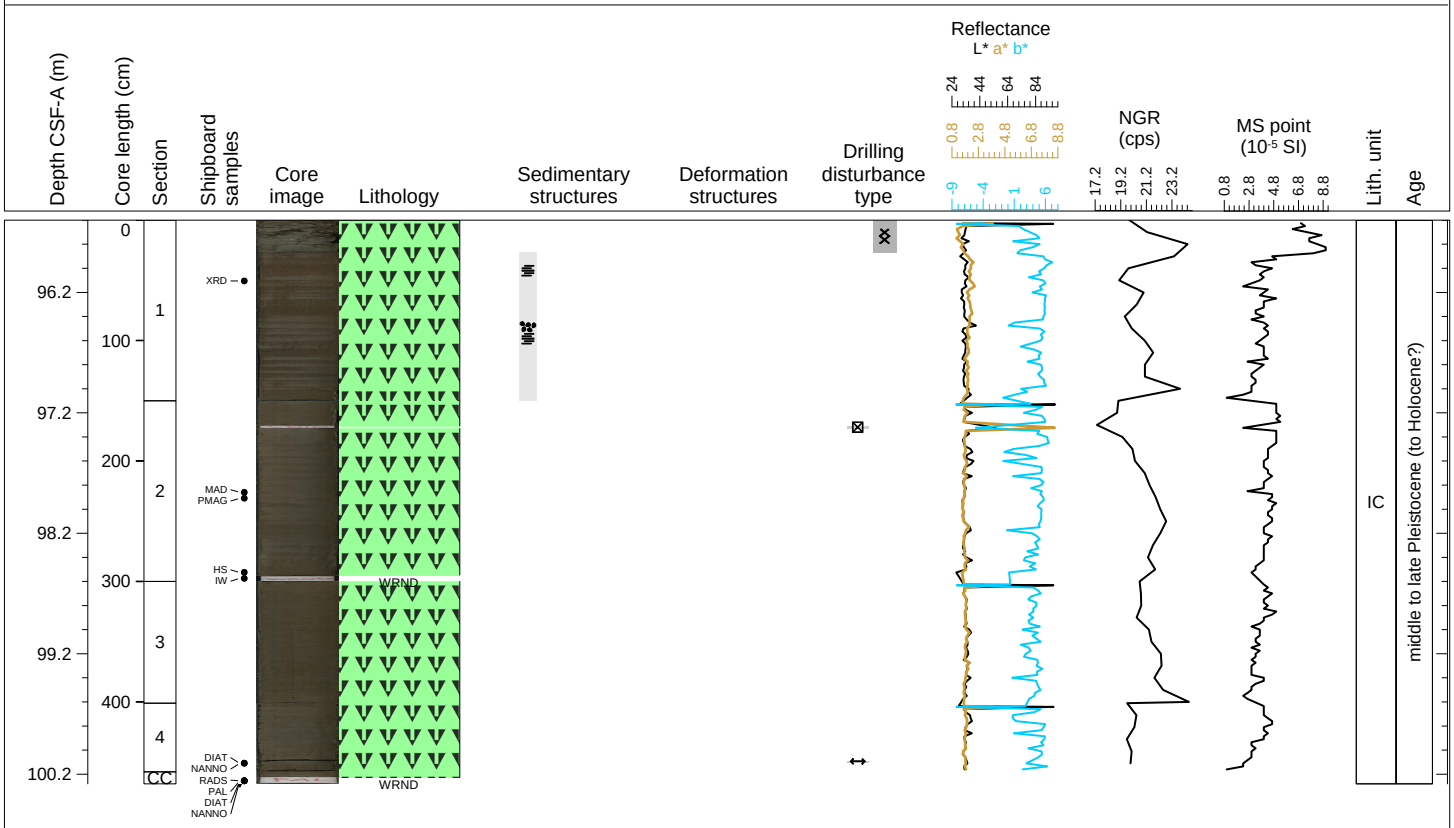
Hole 385-U1547A Core 12X, Interval 92.1-92.1 m (CSF-A)

NO RECOVERY 92.1-95.6 m

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Lithology	Sedimentary structures	Deformation structures	Drilling disturbance type	Reflectance L* a* b*	NGR (cps)	MS point (10^{-5} SI)	Lith. unit	Age
									0 0 0	0	0		

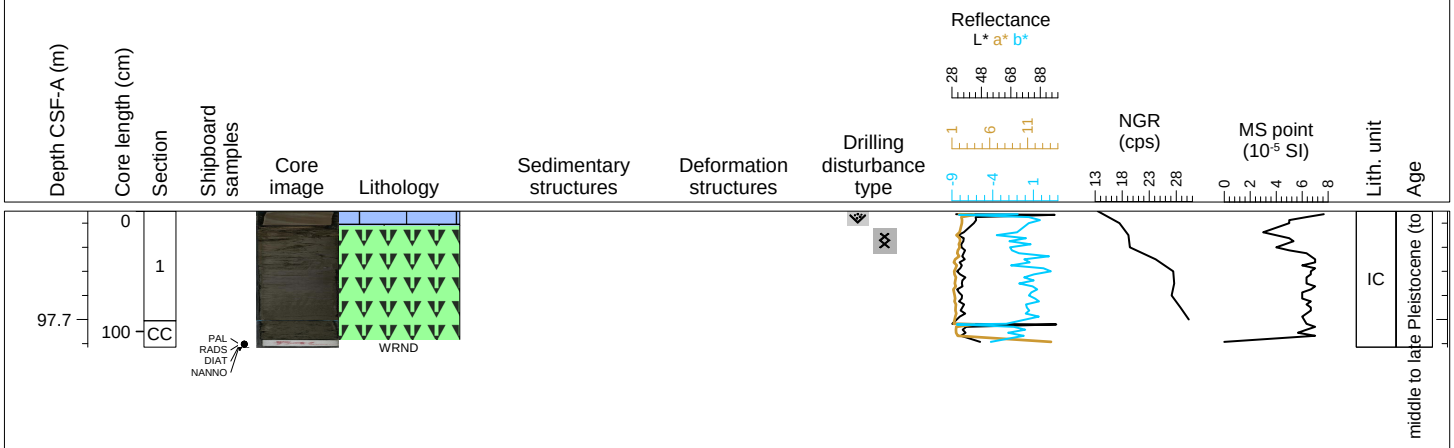
Hole 385-U1547A Core 13F, Interval 95.6-100.28 m (CSF-A)

This core is mainly composed of homogeneous olive gray (5Y 3/2) to dark yellowish brown (10YR 4/2) CLAY-RICH DIATOM OOZE. Faint laminae are present in section 1 (27-57 cm, 98-99 cm). Medium gray (N5) patches are present in section 1 (27-28 cm). Sediments are mottled in section 1.



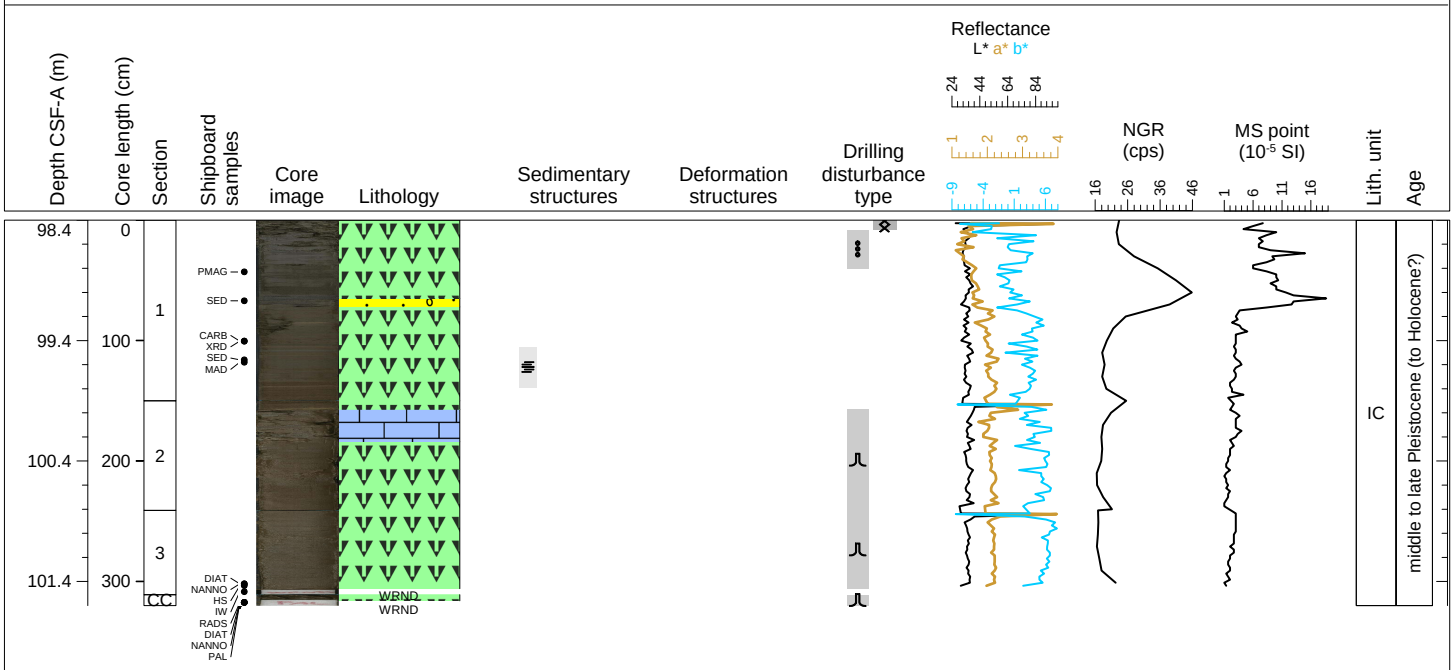
Hole 385-U1547A Core 14X, Interval 96.8-97.93 m (CSF-A)

This core consists of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with a light olive gray (5Y 5/2) LIMESTONE/DOLOSTONE layer on top of section 1 (from 0 to 12 cm).



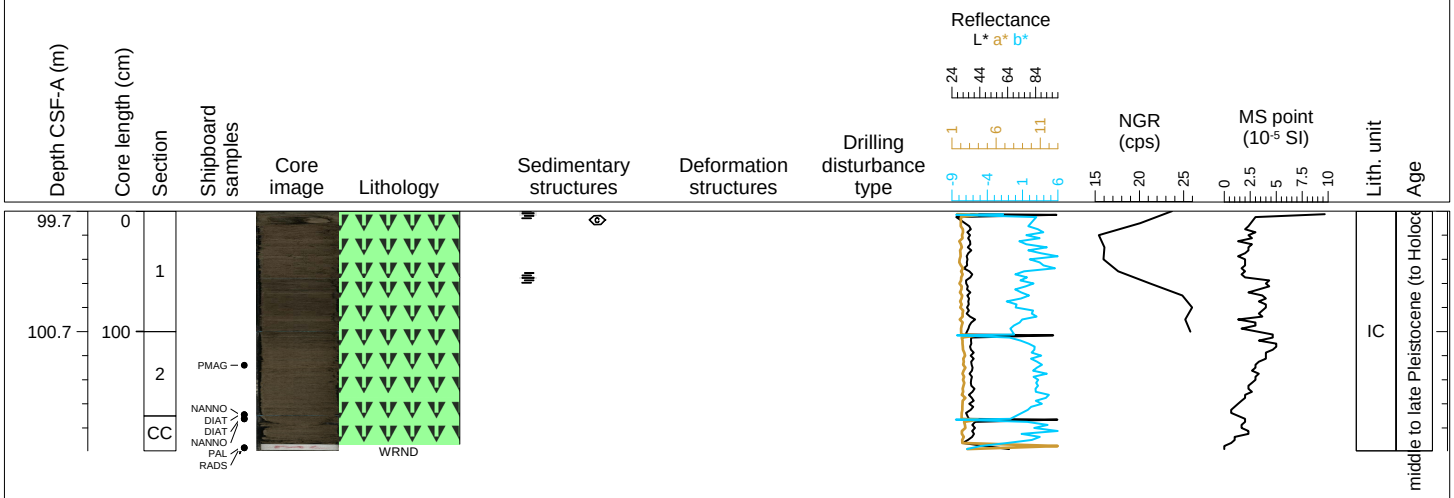
Hole 385-U1547A Core 15F, Interval 98.4-101.6 m (CSF-A)

This core consists of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with lamination in section 1 between 105 and 139 cm and SILTY SAND laminae from 65 to 72 cm in section 1. The top of section 1 and the other sections are highly disturbed by drilling (flow in).



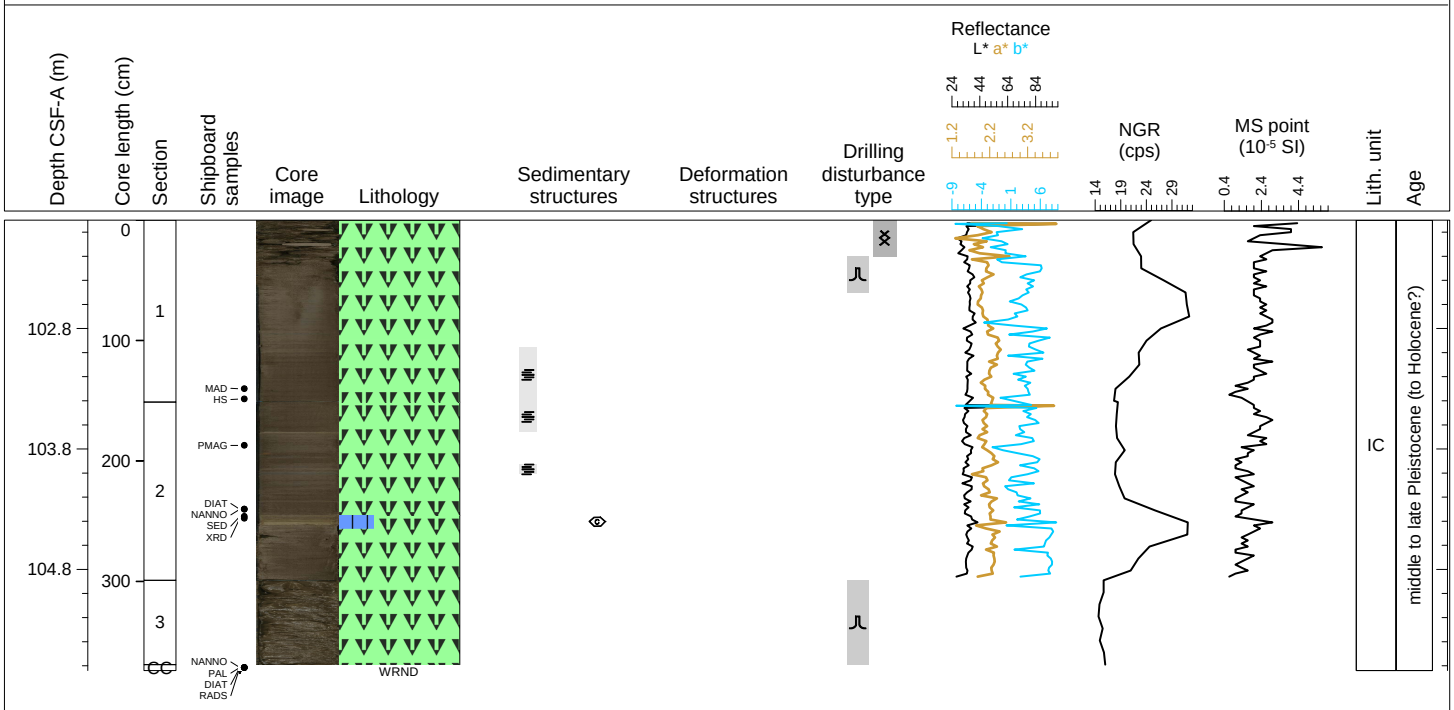
Hole 385-U1547A Core 16X, Interval 99.7-101.69 m (CSF-A)

This core consists of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. A SILT lamina is present in section 1 at 55 cm.



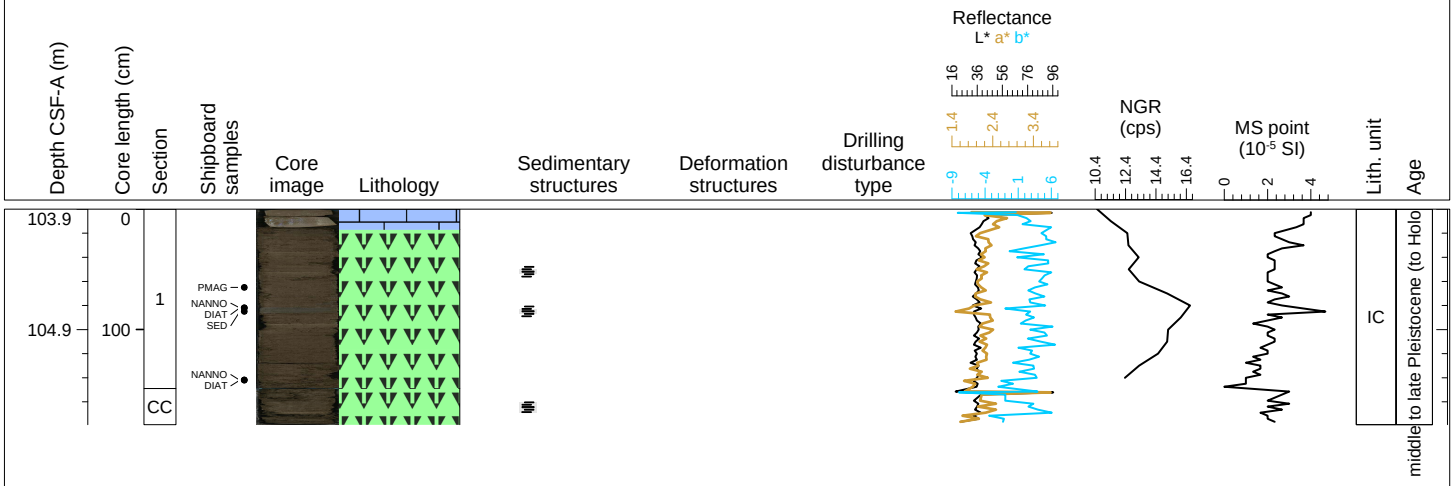
Hole 385-U1547A Core 17F, Interval 101.9-105.64 m (CSF-A)

This core consists of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with faintly laminated intervals in sections 1 and 2. A layer of MICRITE-RICH DIATOM OOZE is present between 94 and 105 cm in section 2 which contains a carbonate concretion. Section 3 is highly disturbed by drilling.



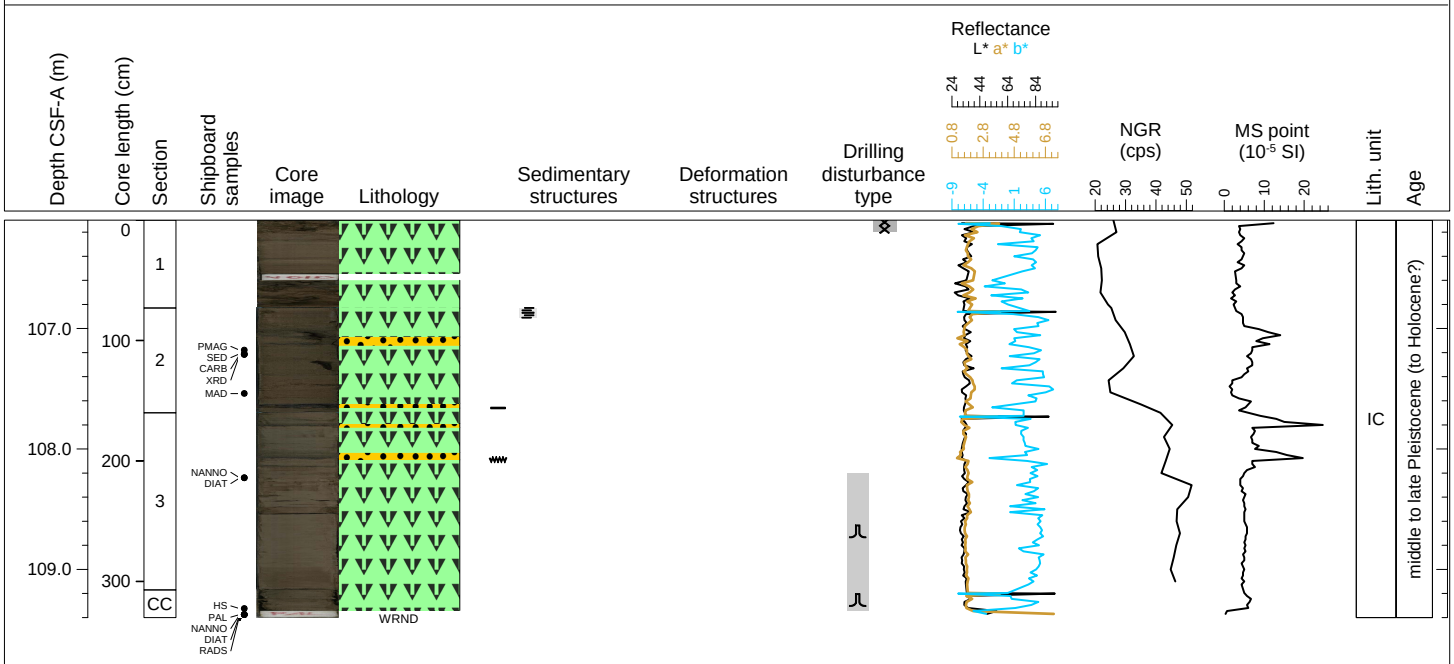
Hole 385-U1547A Core 18X, Interval 103.9-105.69 m (CSF-A)

This core consists of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with a LIMESTONE/DOLOSTONE layer (from 0 to 17 cm) in section 1. A gray layer between 83 and 87 cm in section 1 is DIATOM-RICH SILTY CLAY. Lamination occurs in section 1 between 50 to 54 cm and in the CC between 11 and 20 cm.



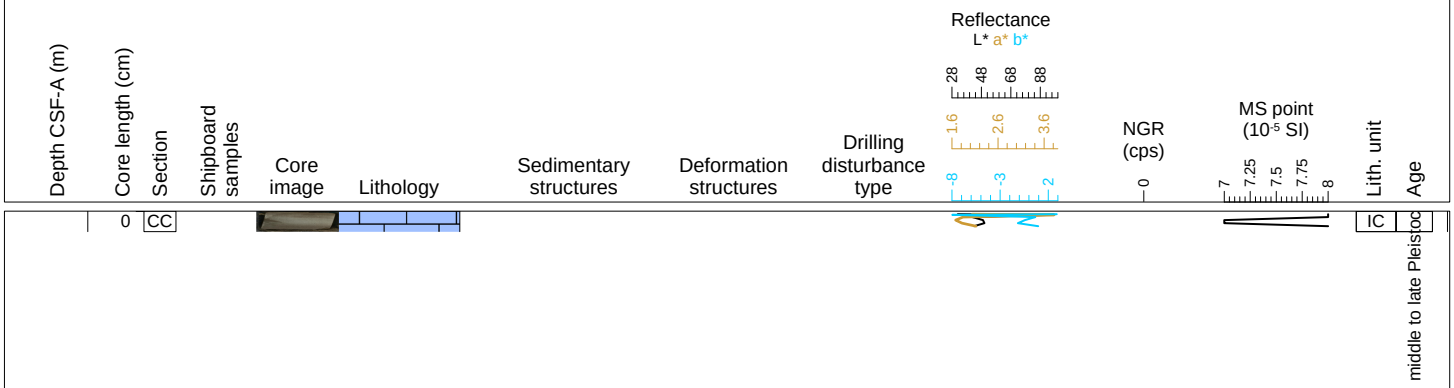
Hole 385-U1547A Core 19F, Interval 106.1-109.4 m (CSF-A)

This core consists of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with SAND layers in sections 2 (patches and SAND lamina from 25 to 32 cm, layer with sharp boundaries from 79 to 83 cm) and 3 (two SAND layers with sharp basal contacts and gradational upper contacts at 9-12 and 33-39 cm). The core is affected by drilling disturbance (flow in) from 50 cm to the base of section 3 and in the CC.



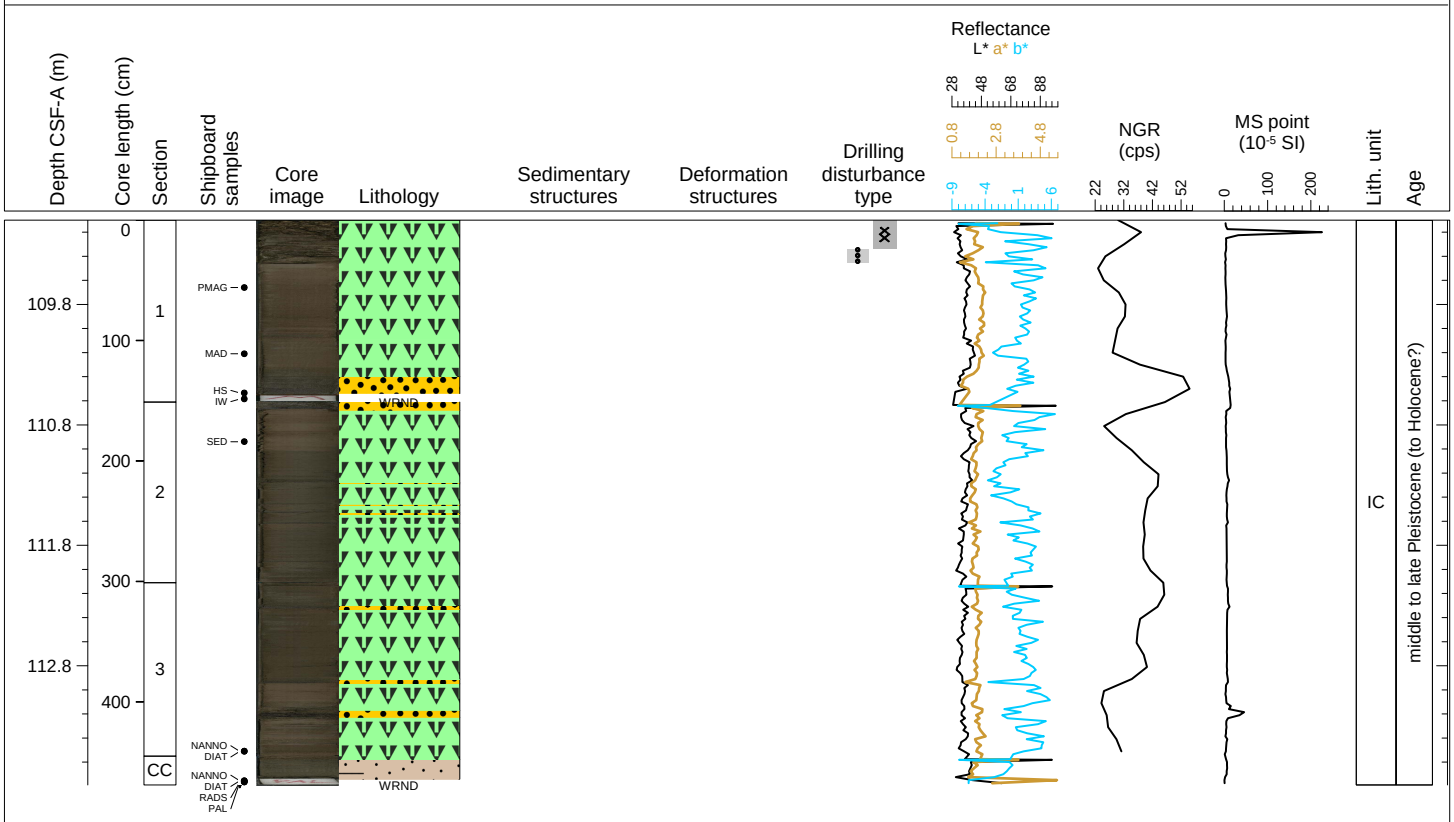
Hole 385-U1547A Core 20X, Interval 108.1-108.27 m (CSF-A)

This core consists of light olive gray (5Y5/2) LIMESTONE/DOLOSTONE.



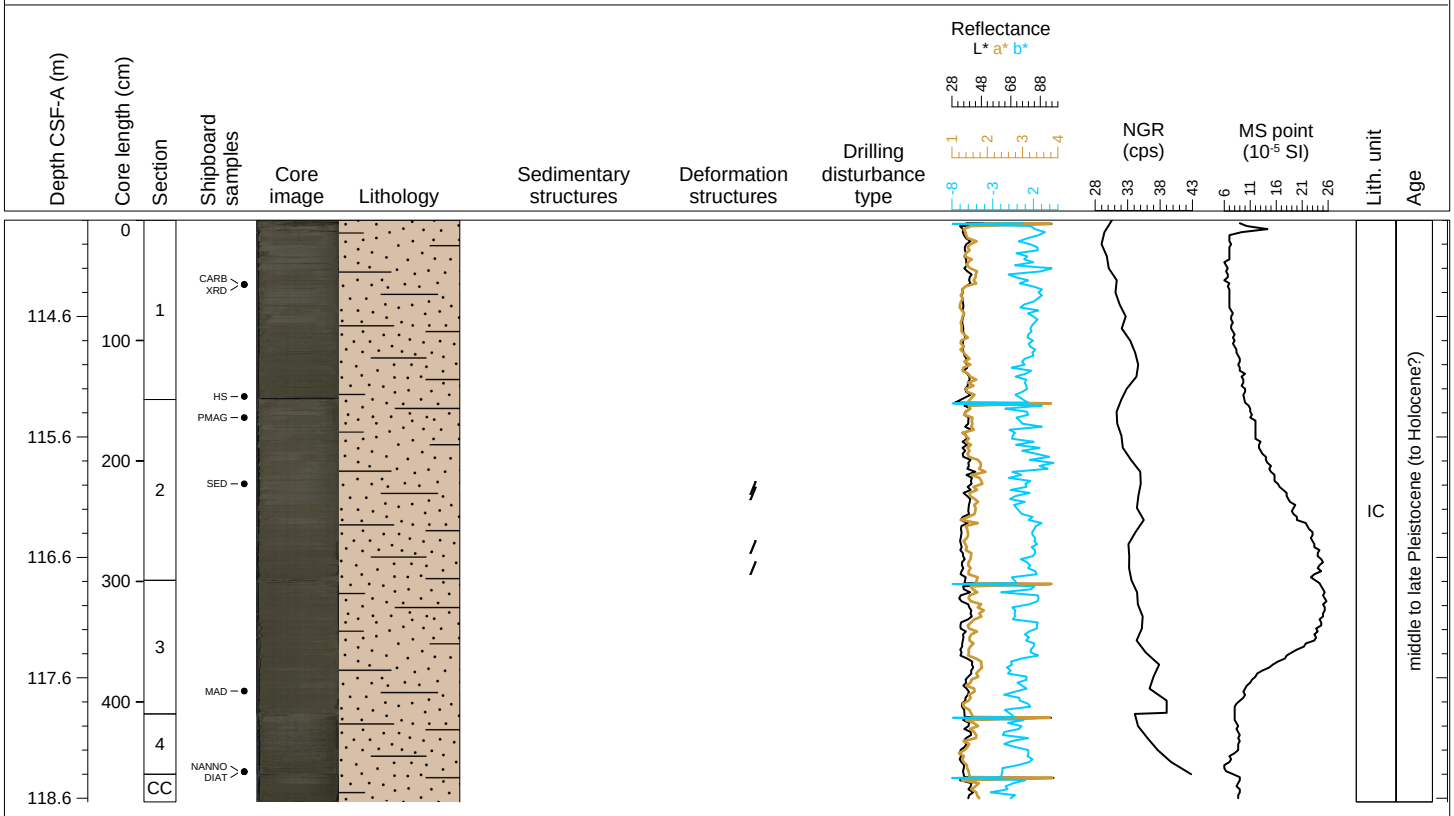
Hole 385-U1547A Core 21F, Interval 109.1-113.79 m (CSF-A)

This core is composed of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with an intercalated SAND layer that extends from section 1 at 130 cm down to 7 cm in section 2. This SAND layer displays a sharp contact at its base and a gradational contact on top. In section 2, four thin SAND layers are present at 67, 85, 92 and 101 cm. Section 3 contains three SAND layers: 19-22 cm, 82-84 cm and 104-11 cm.



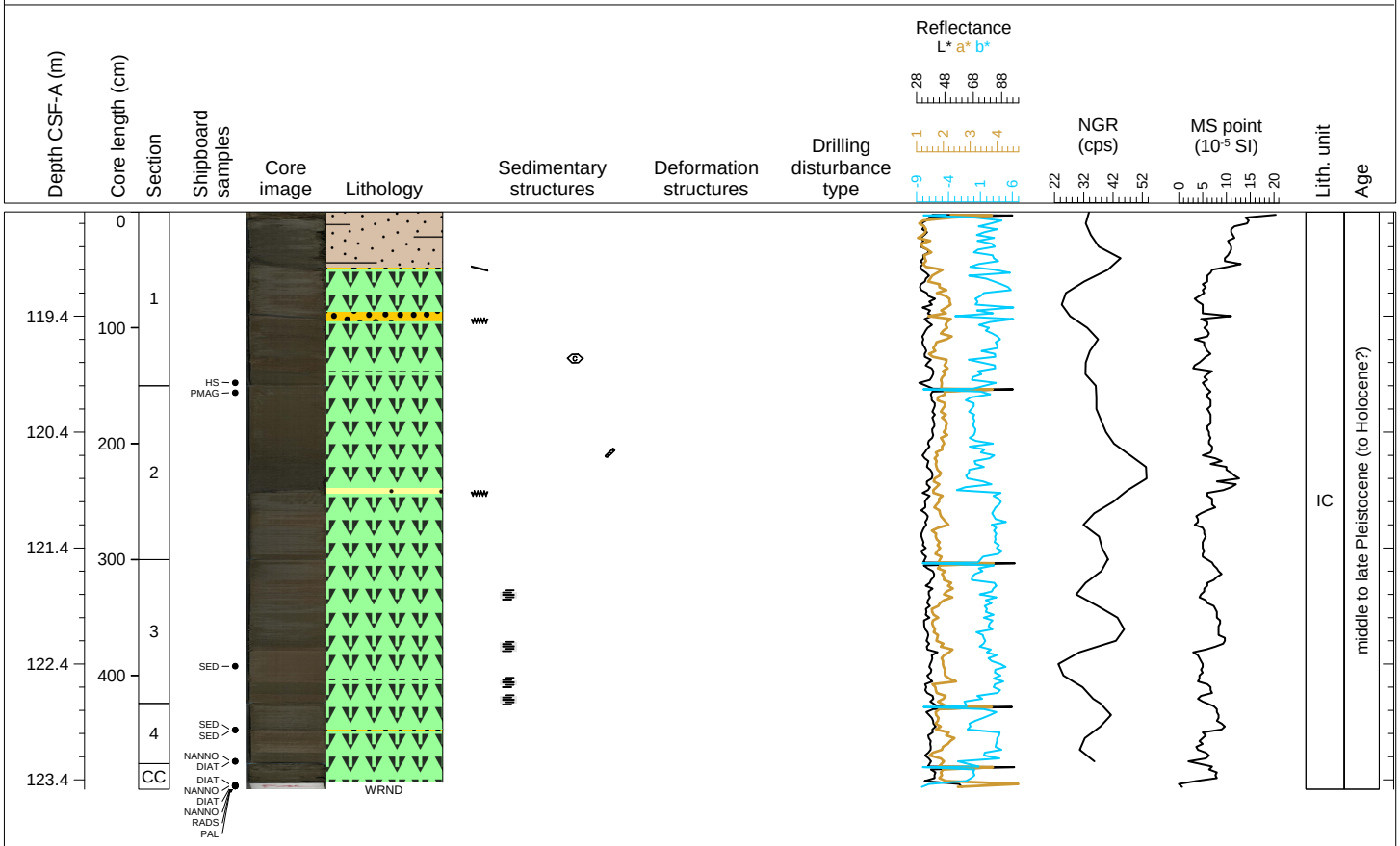
Hole 385-U1547A Core 22F, Interval 113.8-118.63 m (CSF-A)

This core consists of homogenous olive gray (5Y 4/2) DIATOM-RICH CLAYEY SILT. Note that this lithology is also present in the CC of Core 21F and in section 1 of Core 23F suggesting that this core is part of an almost 11-m-thick bed.



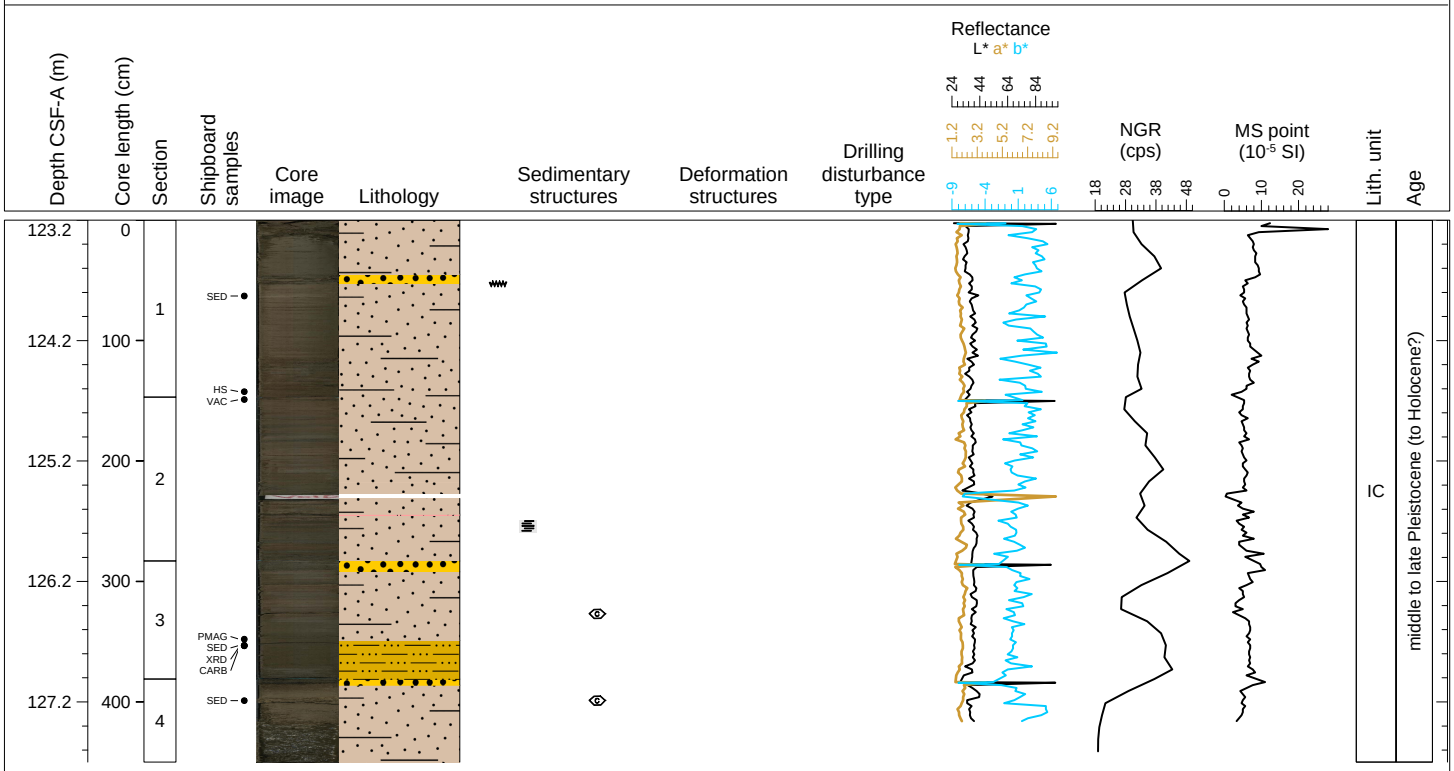
Hole 385-U1547A Core 23F, Interval 118.5-123.48 m (CSF-A)

This core consists of mainly olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with medium gray (N3) SAND intervals with tilted and scoured contacts in sections 1 and 2. A small carbonate concretion is present in section 1 at 125 cm. Laminated intervals are present in section 3.



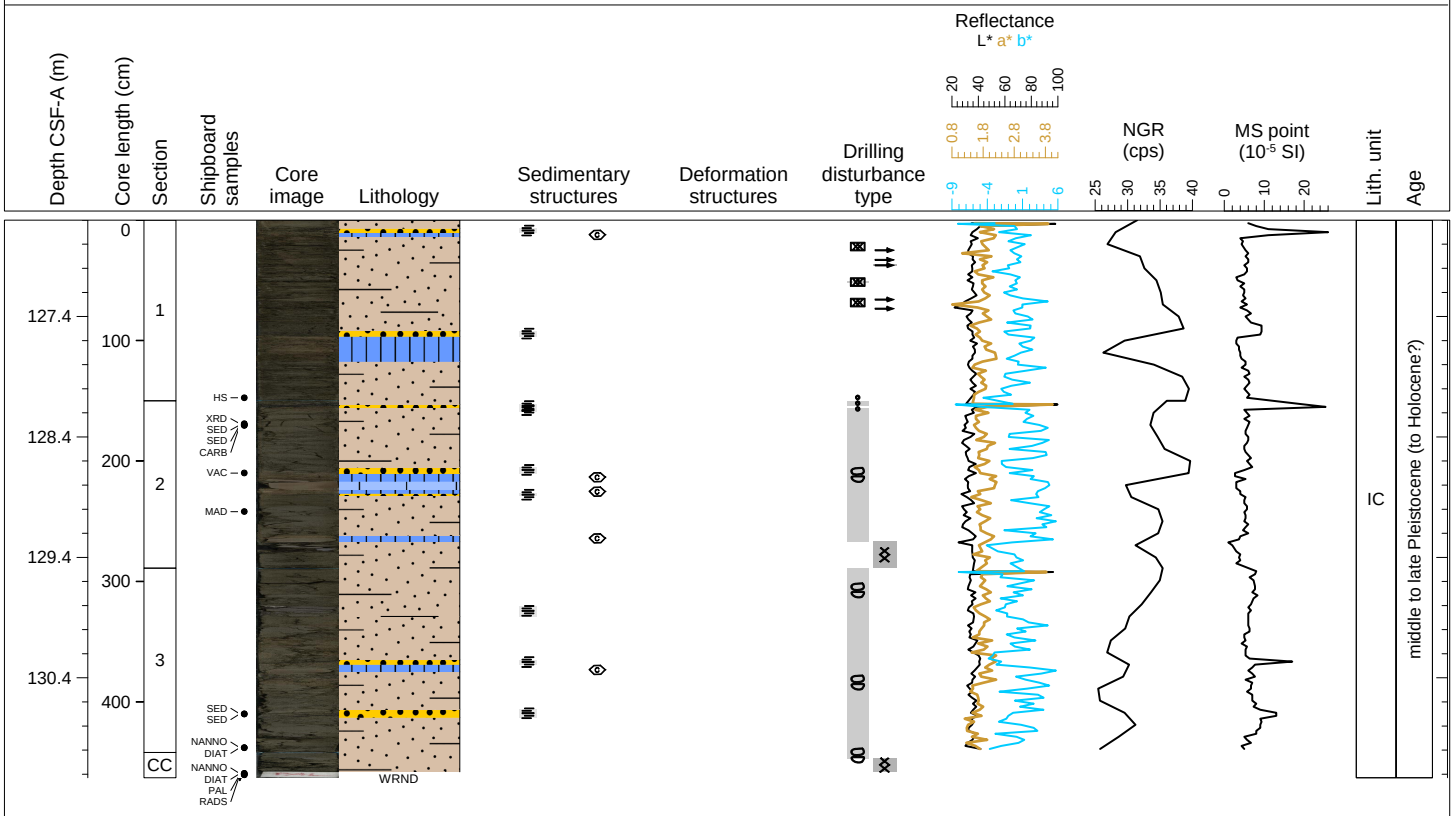
Hole 385-U1547A Core 24F, Interval 123.2-127.7 m (CSF-A)

This core consists of olive gray (5Y 3/2) DIATOM-RICH CLAYEY SILT with intervals of medium gray (N3) SAND in sections 1 (45-53 cm), 2 (36-37 cm; fine lamina at 120 and 128 cm), 3 (0 to 9 cm) and 4 (grades from granule to sand between 0 to 5 cm). Carbonate concretions are present at 44 cm in section 3 and at 18 cm in section 4.



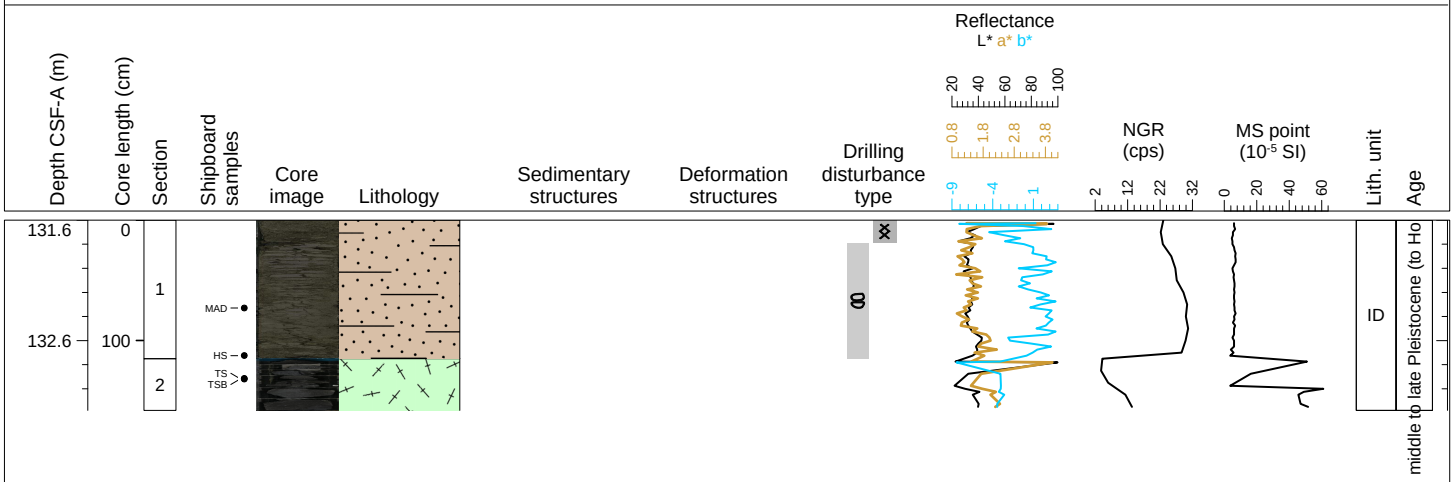
Hole 385-U1547A Core 25X, Interval 126.6-131.23 m (CSF-A)

This core is mainly composed of an alternation between olive gray (5Y 3/2) DIATOM-RICH SILTY CLAY and light olive gray (5Y 5/2) DIATOM-RICH MICRITE. LIMESTONE/DOLOSTONE is present at 67-74 cm in section 2. Carbonate concretions are also present in sections 1 (10.5-14 cm), 2 (60-67 cm, 74-77 cm, 111-117 cm) and 3 (83-86 cm). Dark gray (N3) SAND layers are present in sections 1 (7-10.5 cm, 92-96.5 cm), 2 (3-6 cm, 55-59 cm, 77-79 cm) and 3 (76-80 cm, 117-124 cm). Most sediments are highly disturbed by drilling (breccia, biscuits).

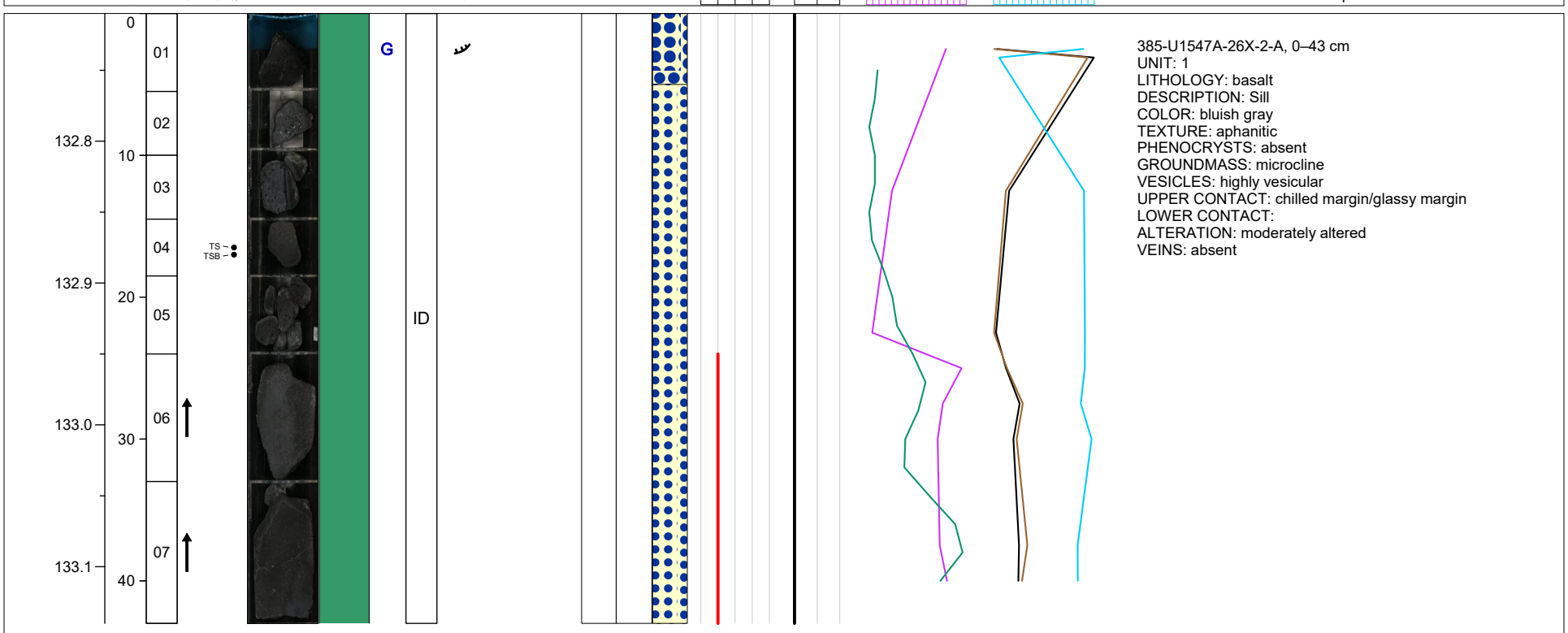


Hole 385-U1547A Core 26X, Interval 131.6-133.18 m (CSF-A)

This core is composed of olive gray (5Y 3/2) DIATOM-RICH SILTY CLAY. Most sediments are highly disturbed by drilling (breccia, biscuits).



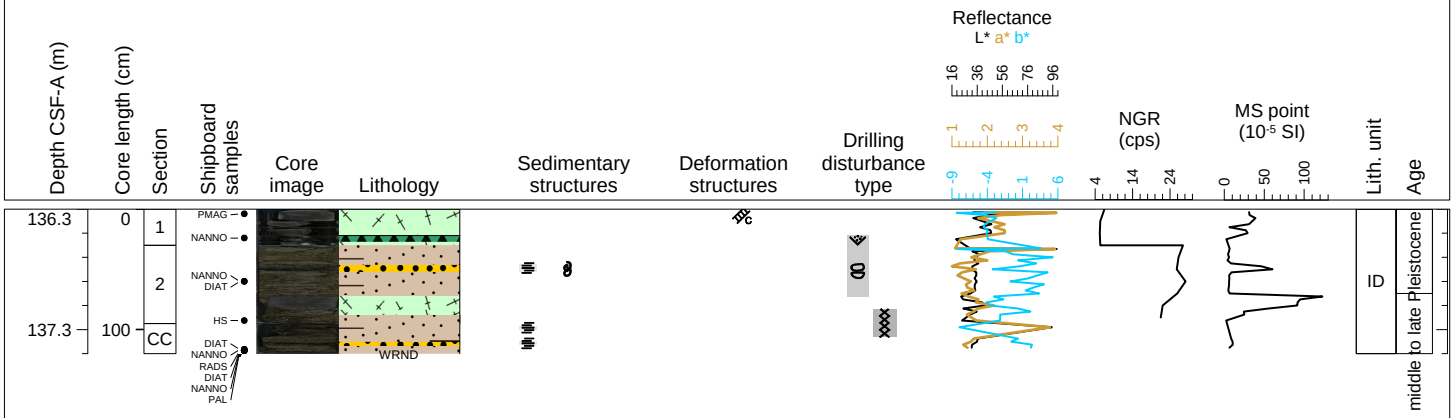
Hole 385-U1547A-26X Section 2, Top of Section: 132.75 m (CSF-A)



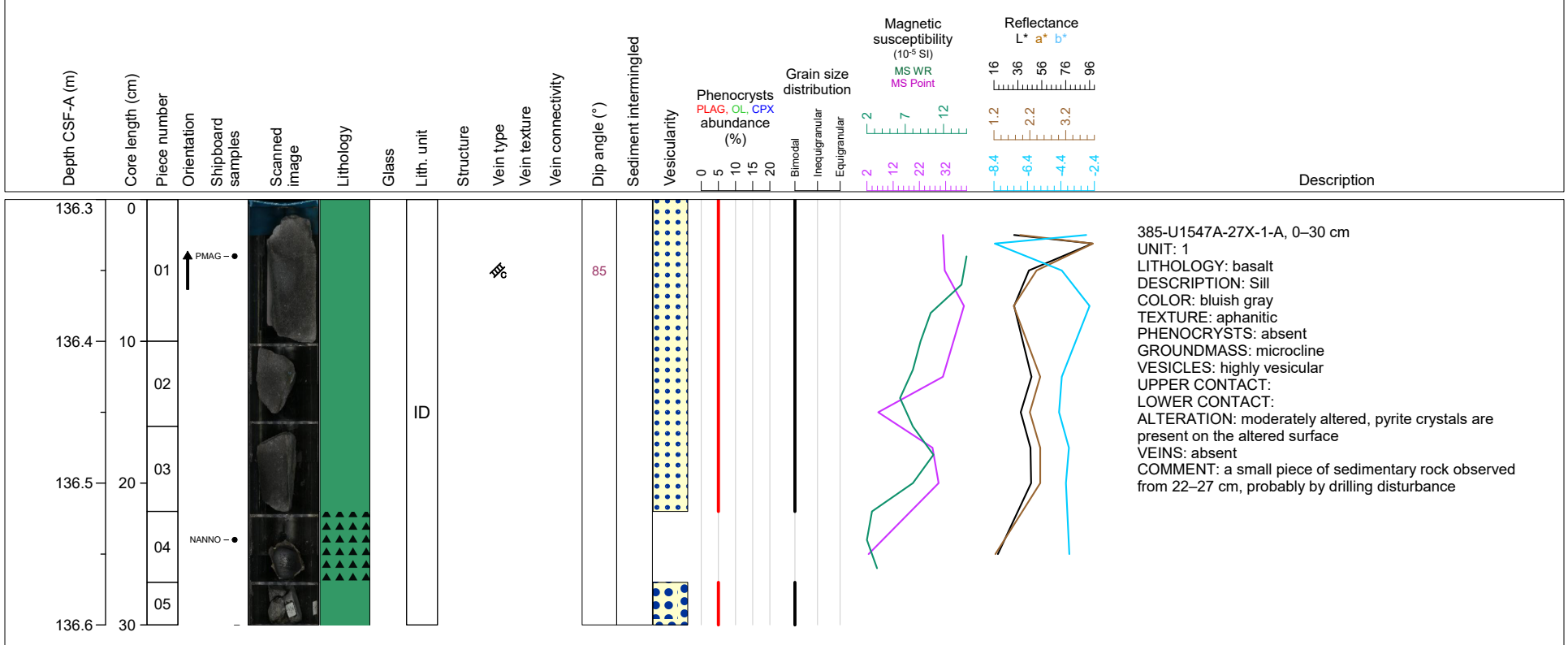
385-U1547A-26X-2-A, 0–43 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: bluish gray
TEXTURE: aphanitic
PHENOCRYSTS: absent
GROUNDMASS: microcline
VESICLES: highly vesicular
UPPER CONTACT: chilled margin/glassy margin
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: absent

Hole 385-U1547A Core 27X, Interval 136.3-137.5 m (CSF-A)

This core is mainly composed of olive gray (5Y 3/2) DIATOM-RICH SILTY CLAY. Grayish black to black SAND layers are present in sections 2 (16-22 cm) and CC (2-5 cm, 15.5-18 cm. Dark gray (N3) pieces of BASALT are present in section 2 (43-53 cm, 54-58 cm). Most sediments are highly disturbed by drilling (breccia, biscuits).

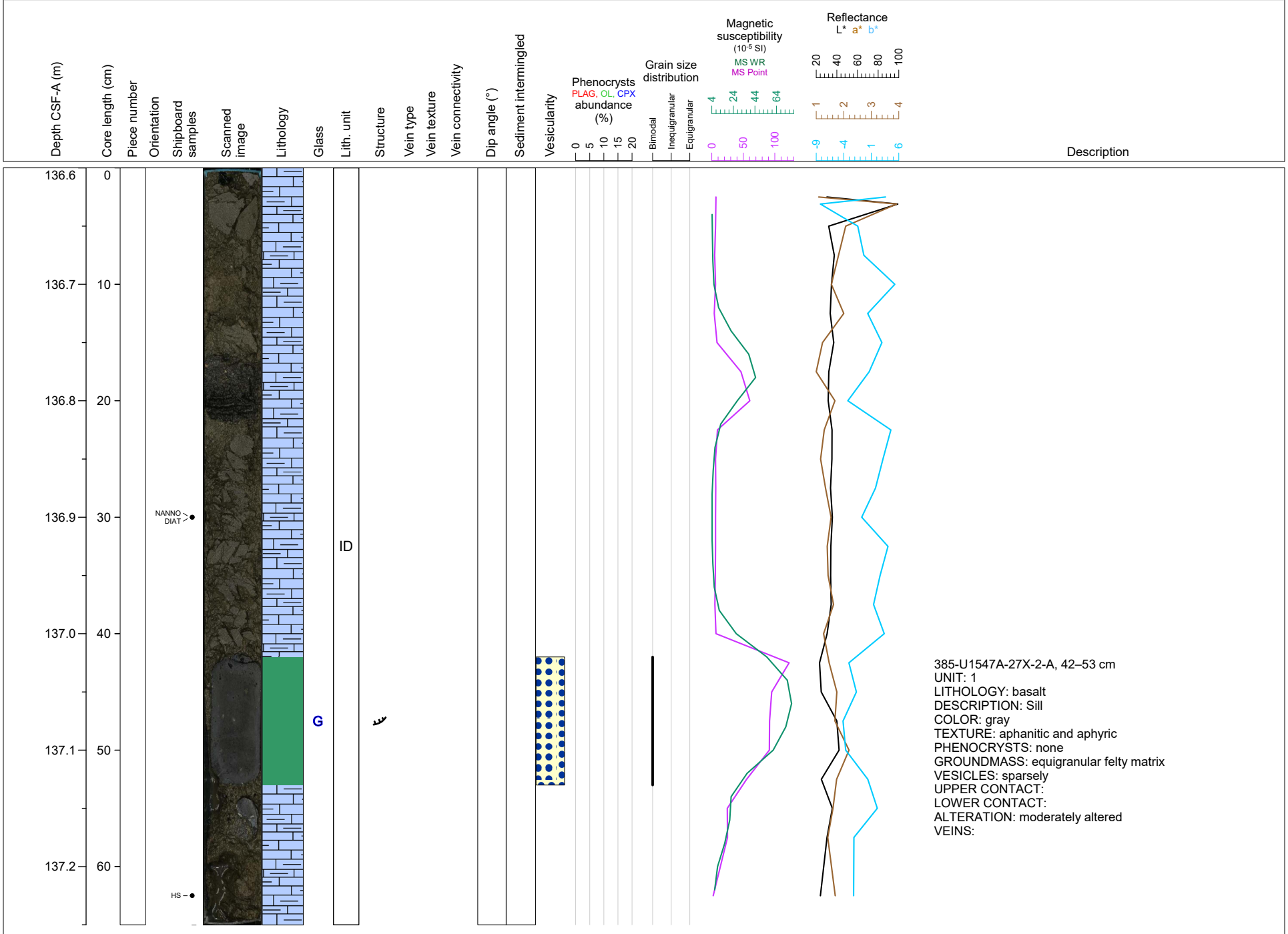


Hole 385-U1547A-27X Section 1, Top of Section: 136.3 m (CSF-A)



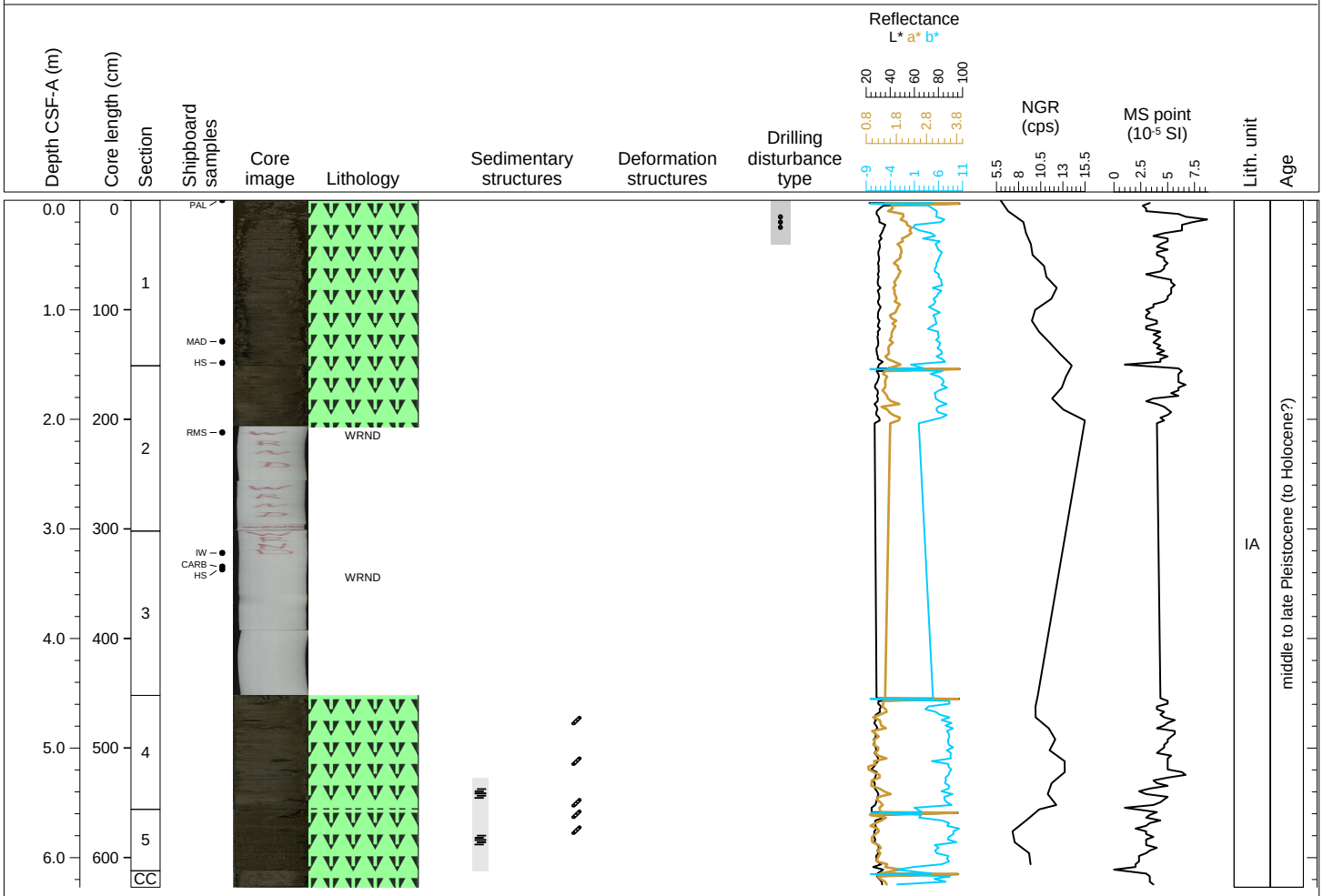
385-U1547A-27X-1-A, 0–30 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: bluish gray
TEXTURE: aphanitic
PHENOCRYSTS: absent
GROUNDMASS: microcline
VESICLES: highly vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered, pyrite crystals are present on the altered surface
VEINS: absent
COMMENT: a small piece of sedimentary rock observed from 22–27 cm, probably by drilling disturbance

Hole 385-U1547A-27X Section 2, Top of Section: 136.6 m (CSF-A)



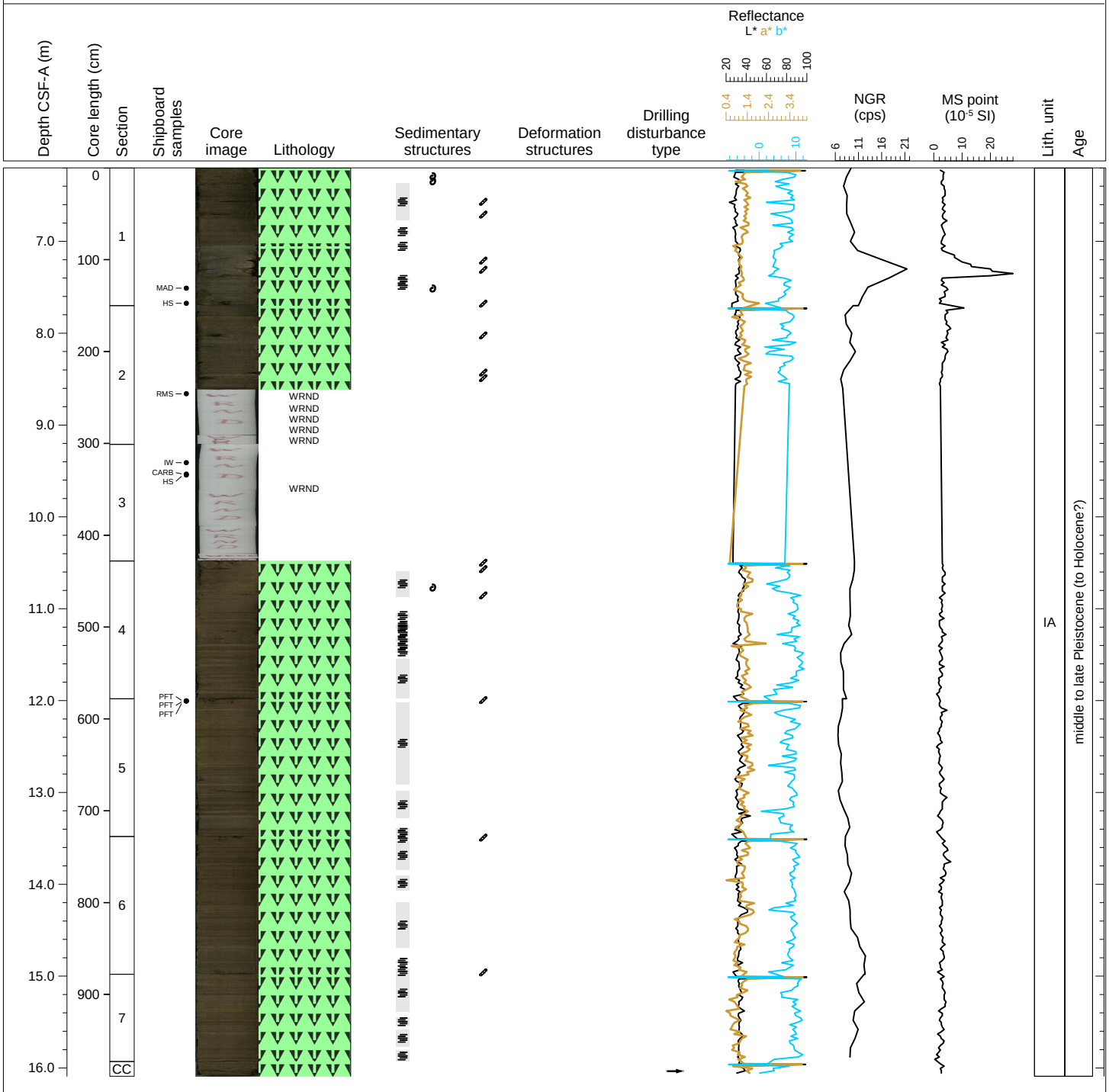
Hole 385-U1547B Core 1H, Interval 0.0-6.27 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. The first 40 cm of section 1 are soupy. Lamination is present at 77-104 cm in section 4 and throughout the section CC. Open burrows occur in sections 4 and 5.



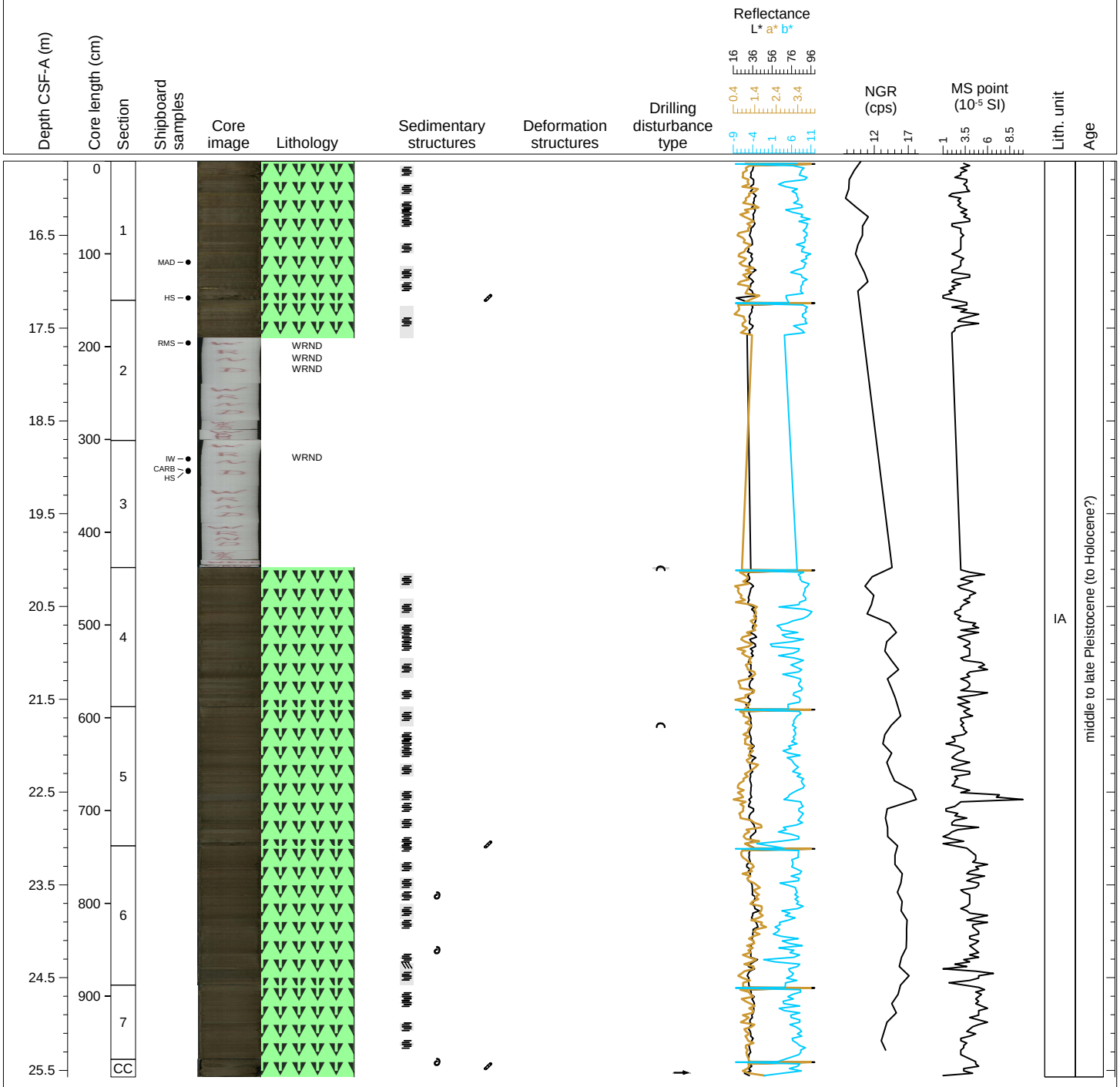
Hole 385-U1547B Core 2H, Interval 6.2-16.09 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Lamination occurs in sections 1, 2, 4, 5, 6 and 7. Laminae display darker and lighter (moderate olive brown, 5Y 4/4; light olive gray, 5Y 5/2) colors. Light olive gray (5Y 5/2) band occurs at 85-119 cm in section 1 and is composed of DIATOM-RICH SILTY CLAY. Open burrows are present in sections 1 to 5. A terrigenous SILT lamina is present in section 1 at 85 cm. Shell fragments occur in sections 1 and 2..



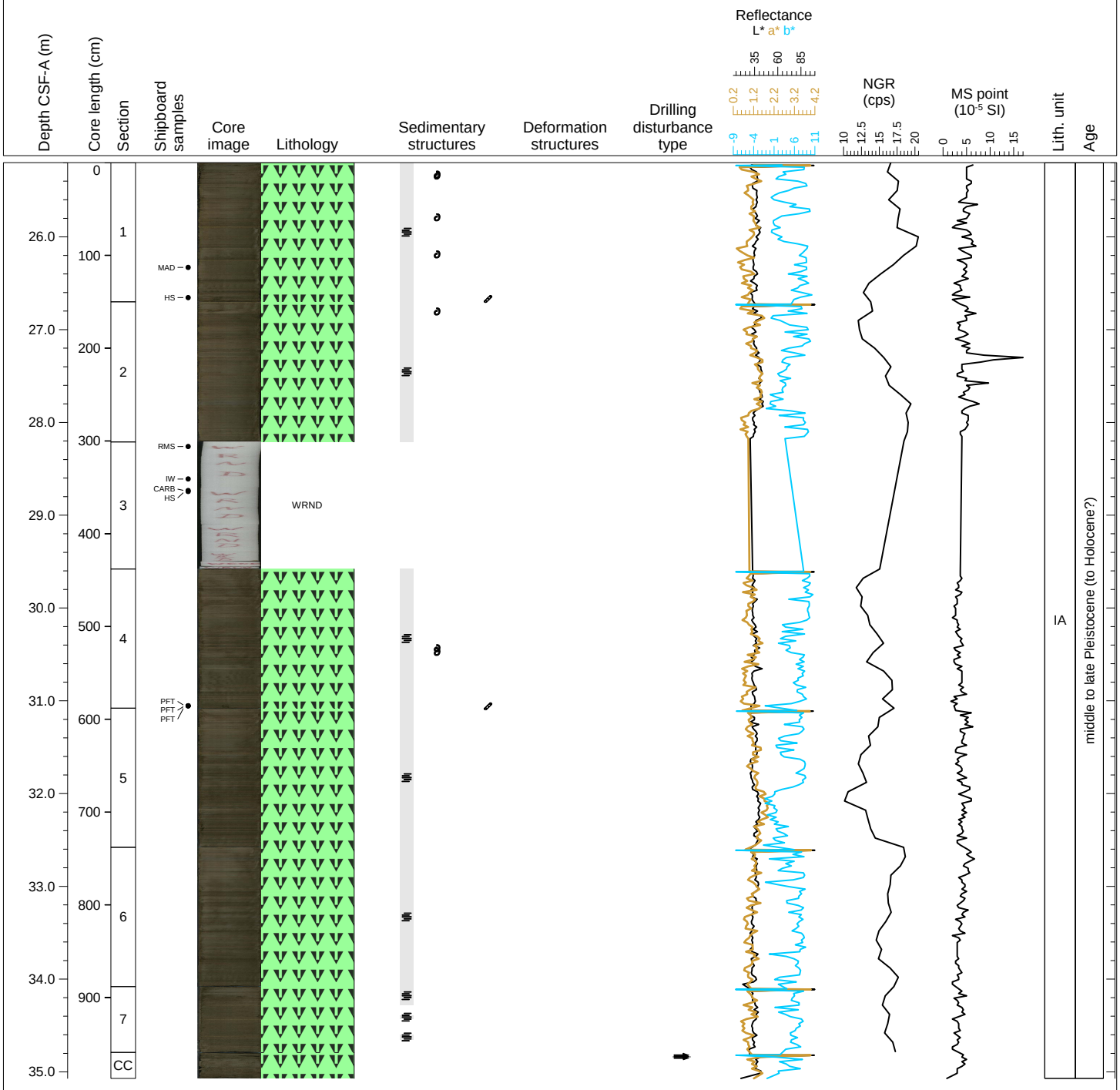
Hole 385-U1547B Core 3H, Interval 15.7-25.57 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Lamination occurs in sections 1 to 7 and alternates with homogenous intervals. A light olive gray (5Y 5/2) layer occurs at 93-102 cm in section 5 and is composed of DIATOM-RICH SILTY CLAY. Open burrows occur in sections 1 and 5. Shell fragments occur in sections 6 and 3.



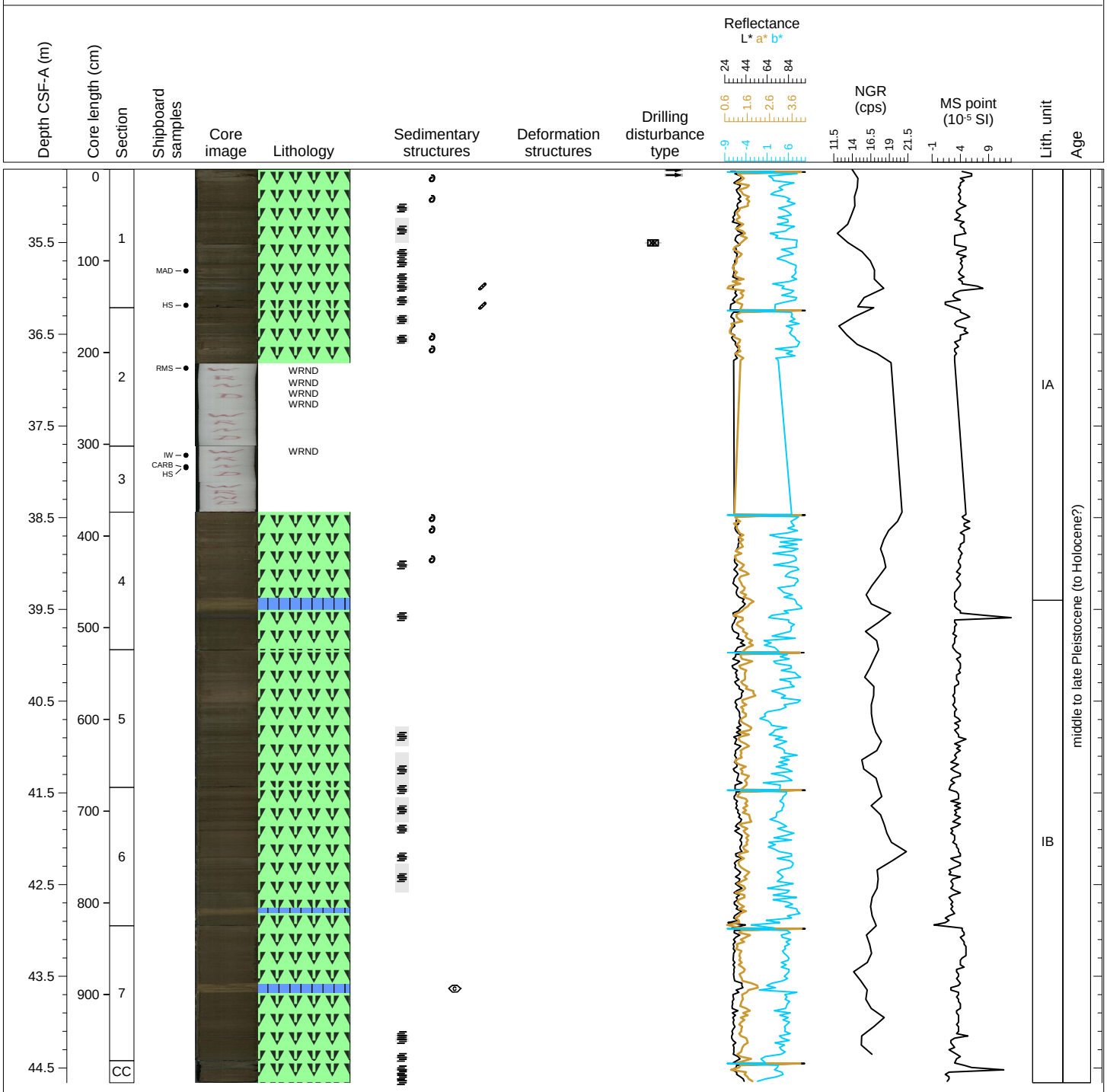
Hole 385-U1547B Core 4H, Interval 25.2-35.07 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Laminated intervals alternate with homogenous intervals in sections 1 to 7. Shell fragments are present in sections 1, 2 and 4. Open burrows occur in section 1.



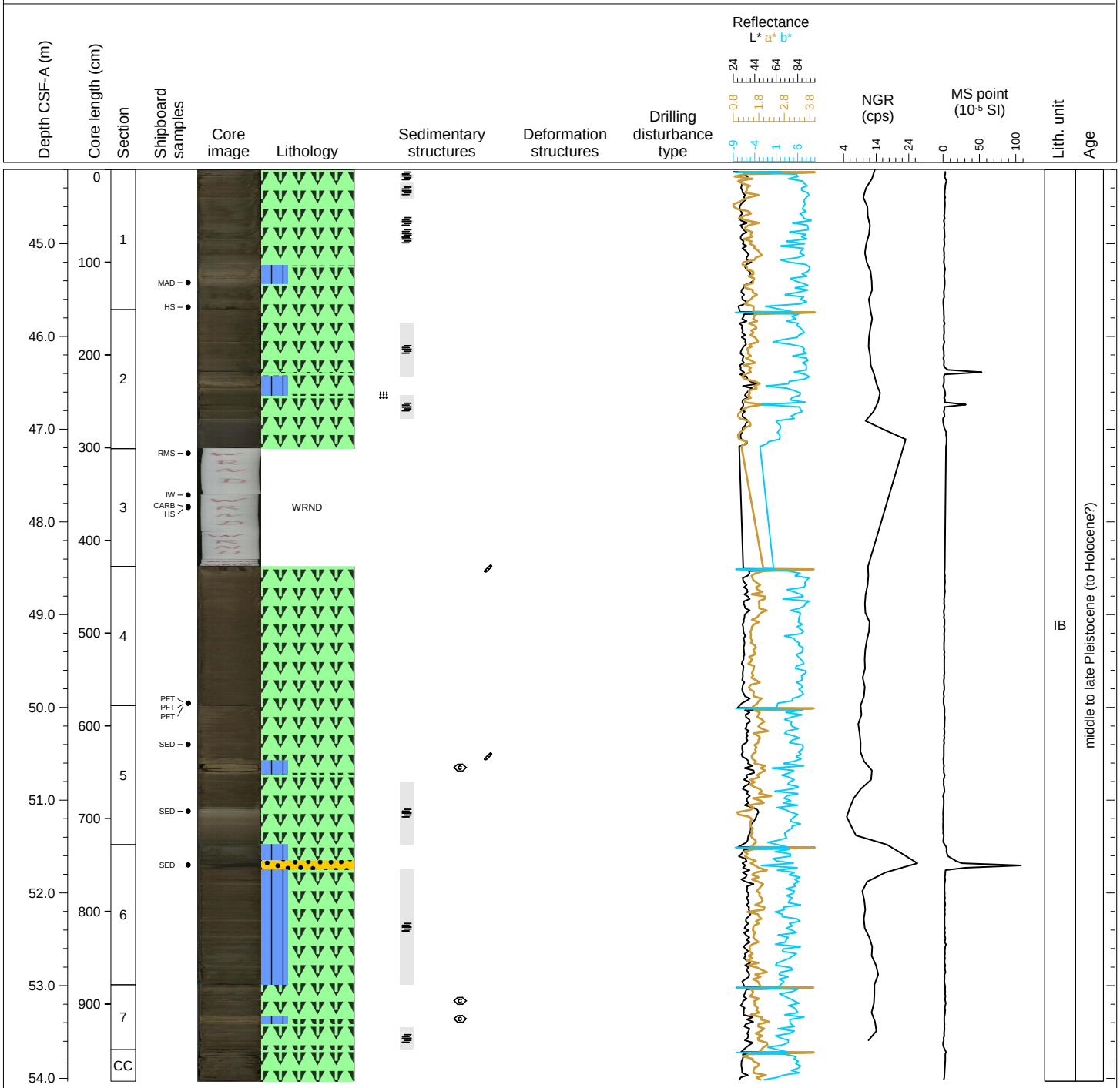
Hole 385-U1547B Core 5H, Interval 34.7-44.66 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Laminated intervals are present in sections 1 and 2 as well as in sections 4 to CC. Relatively indurated yellowish gray (5Y 7/2) DIATOM-RICH MICRITE layers are present in sections 4 (93-106 cm), 6 (131-137 cm) and 7 (63-73 cm). A yellowish gray carbonate concretion is present in section 7 at 67-70 cm. Medium gray (N5) to dark gray (N3) layers and patches are present in sections 4 (112-116 cm), 5 (119-120.5 cm, 143-144 cm) and CC (9-11 cm). Open burrows occur in section 1. Shell fragments are present in sections 1, 2 and 4.



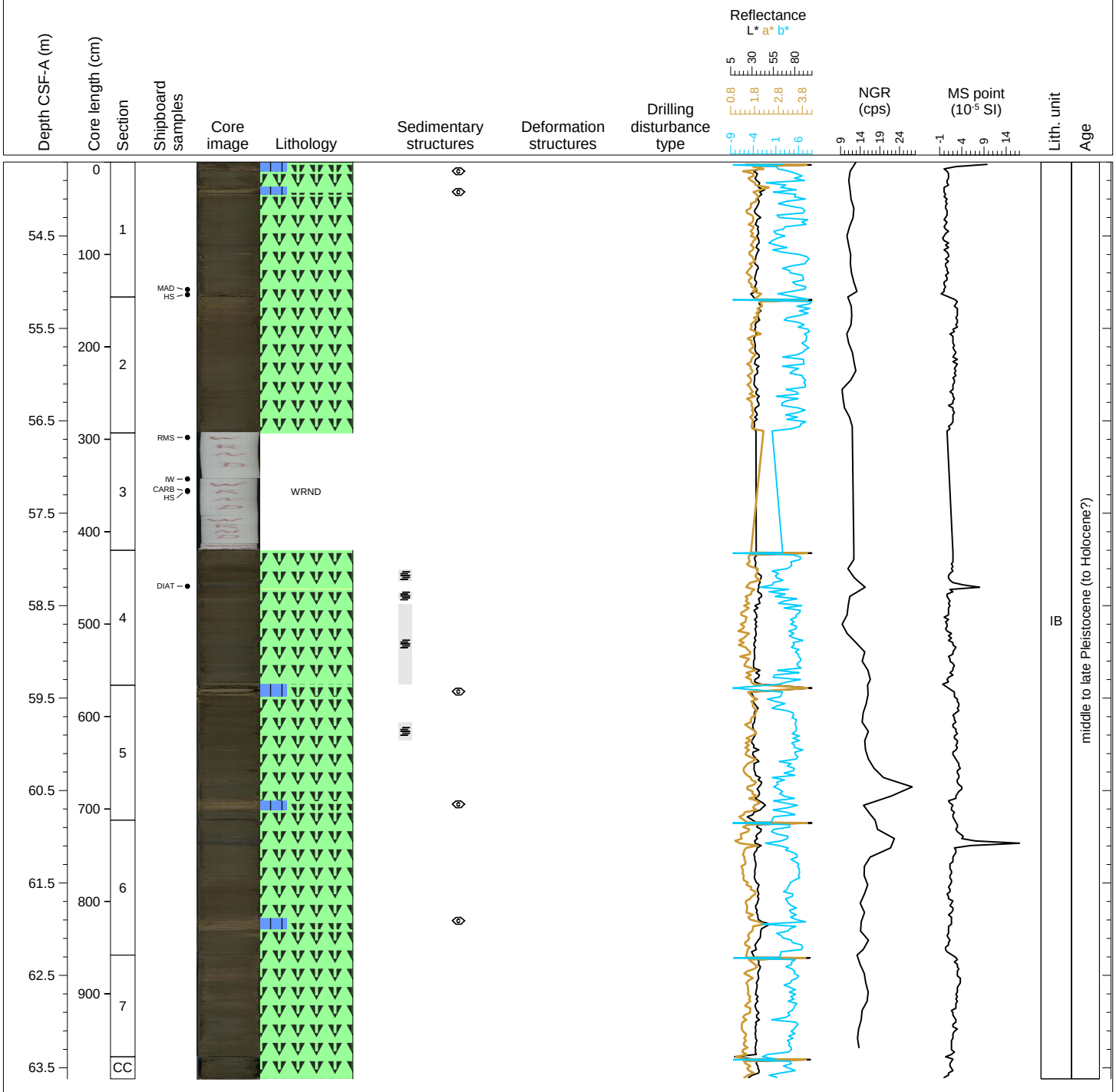
Hole 385-U1547B Core 6H, Interval 44.2-54.03 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. Lamination is present in sections 1, 2, 6 and 7. Light olive gray intervals of MICRITE-RICH DIATOM OOZE are present in sections 1 (103 to 123 cm) , 2 (from 72 to 86 cm), 5 (from 59 to 74 cm) and 7 (from 34 to 42 cm). In the two latter intervals, carbonate concretions are also present. A SAND layer occurs between 16 to 27 cm in section 6. The basal contact is scoured and the top consists of alternating SAND and DIATOM OOZE laminae



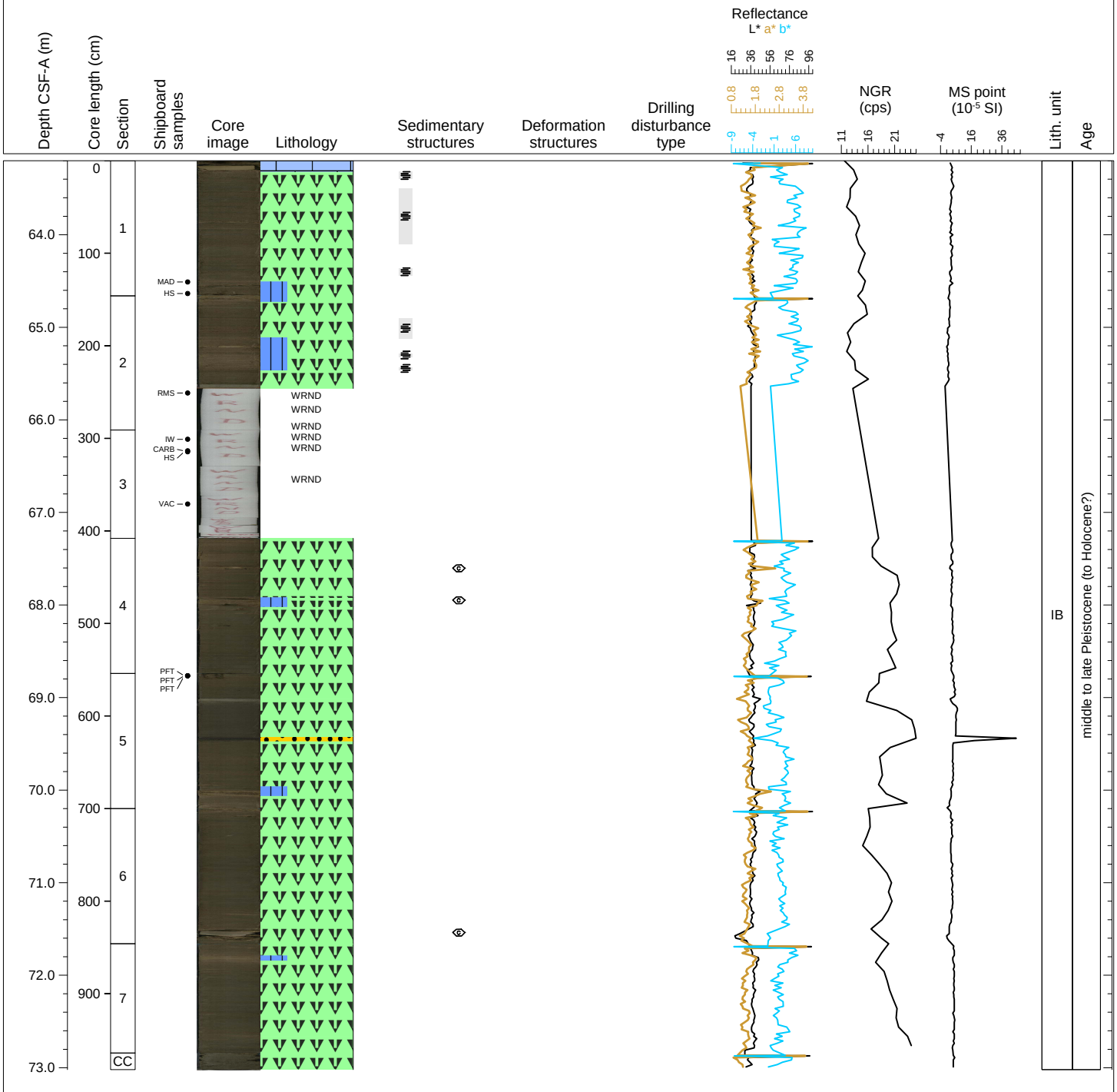
Hole 385-U1547B Core 7H, Interval 53.7-63.62 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with light olive gray intervals of MICRITE-RICH DIATOM OOZE in sections 1 (27 to 35 cm), 5 (0 to 12 cm and 125 to 135 cm) and 6 (106 to 118 cm). Carbonate concretions are present in sections 1, 5 and 6. SILT laminae (ASH ?) occur in sections 4 (41 cm) and 6 (22 to 28 cm).



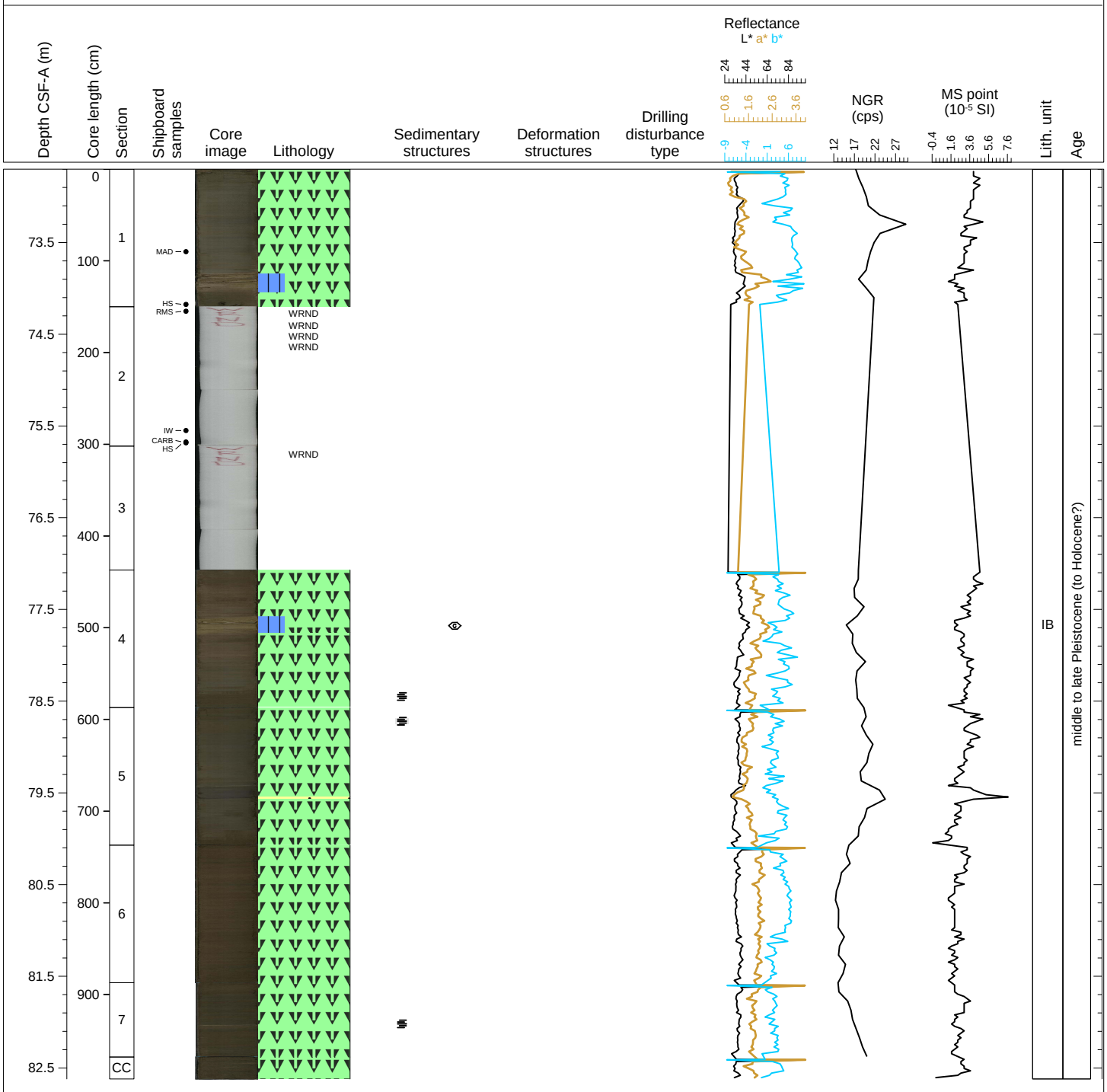
Hole 385-U1547B Core 8H, Interval 63.2-73.02 m (CSF-A)

This core consists of olive gray (5Y 3/2) MICRITE-BEARING CLAY-RICH DIATOM OOZE with lighter intervals of MICRITE-RICH DIATOM OOZE in sections 1, 2, 4, 6 and 7. Carbonate concretions are present in some of these intervals at 6 cm in section 1, at 56 cm in section 2, at 32 and 66 cm in section 4 and at 132 cm in section 6. The MICRITE-BEARING CLAY-RICH DIATOM OOZE is partially laminated in sections 1 and 2.



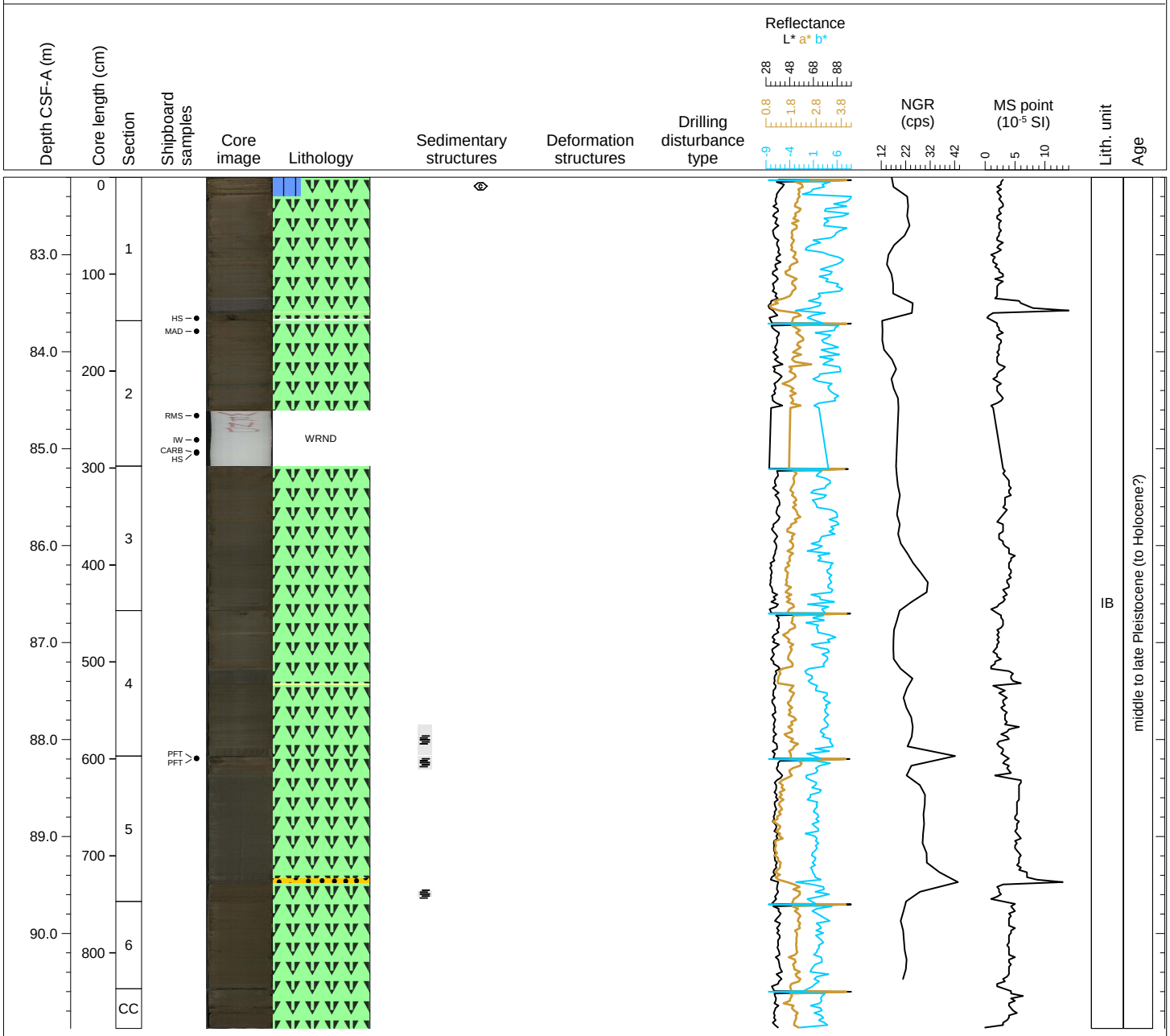
Hole 385-U1547B Core 9H, Interval 72.7-82.62 m (CSF-A)

This core consist of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with moderate olive gray (5Y 4/2) intervals of MICRITE-RICH DIATOM OOZE in section 1 between 114 and 134 cm and in section 4 between 51 to 68 cm. These two intervals contains carbonate concretions. In section 5, a darker interval occurs between 86 and 99 cm with a SAND to SILT laminae at its base. These laminae and sparse light laminae in sections 6 and 7 are tilted.



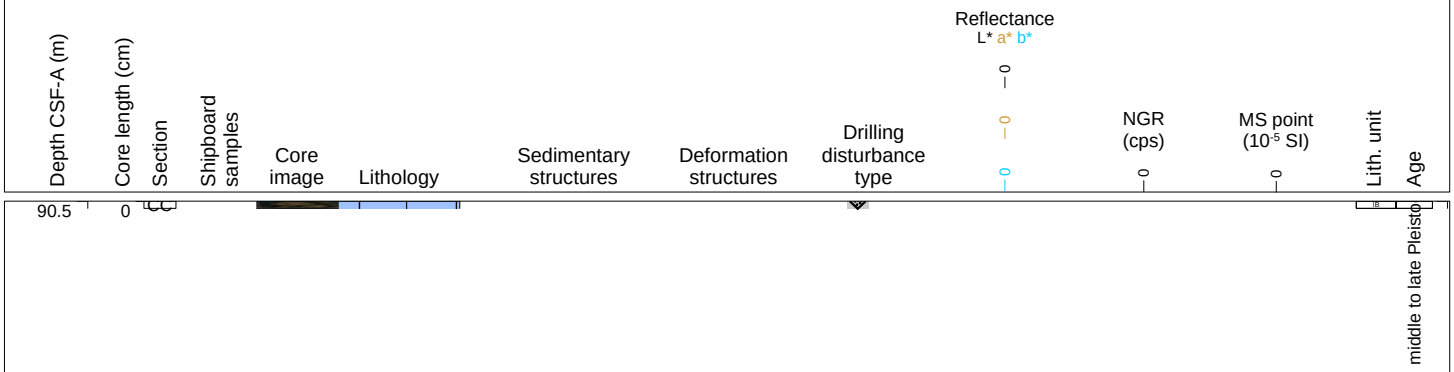
Hole 385-U1547B Core 10H, Interval 82.2-90.98 m (CSF-A)

This core consist of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with a dark yellowish brown MICRITE-RICH DIATOM OOZE encasing a carbonate concretion at the top of section 1 (0 to 20 cm). A small indurated layer of LIMESTONE/DOLOMITE is also present in section 2 at 46 cm. Sparse laminae are slightly tilted. Dark SILT laminae are present in section 1 at 138 cm and at 76 cm in section 4. In section 5, starting at 131 cm, a SAND layer fines upward into alternating SILT and MUD laminae. This 5-cm interval with SAND and SILT laminae is overlain by a finer-grained darker olive gray interval forming a ~1 m-thick depositional unit/bed.



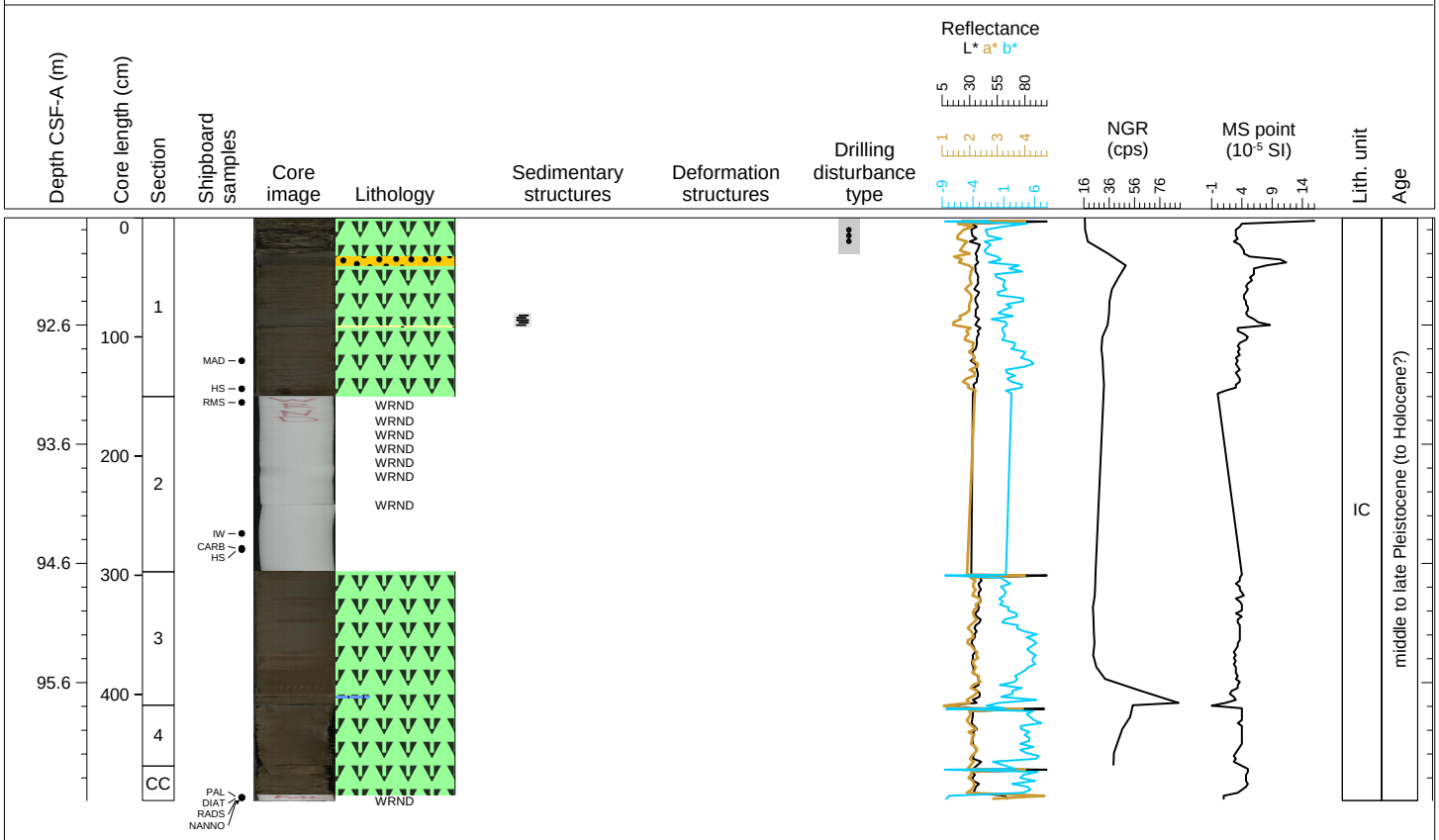
Hole 385-U1547B Core 11X, Interval 90.5-90.56 m (CSF-A)

This consists of fragments of moderate olive brown (5Y4/4) LIMESTONE/DOLOSTONE.



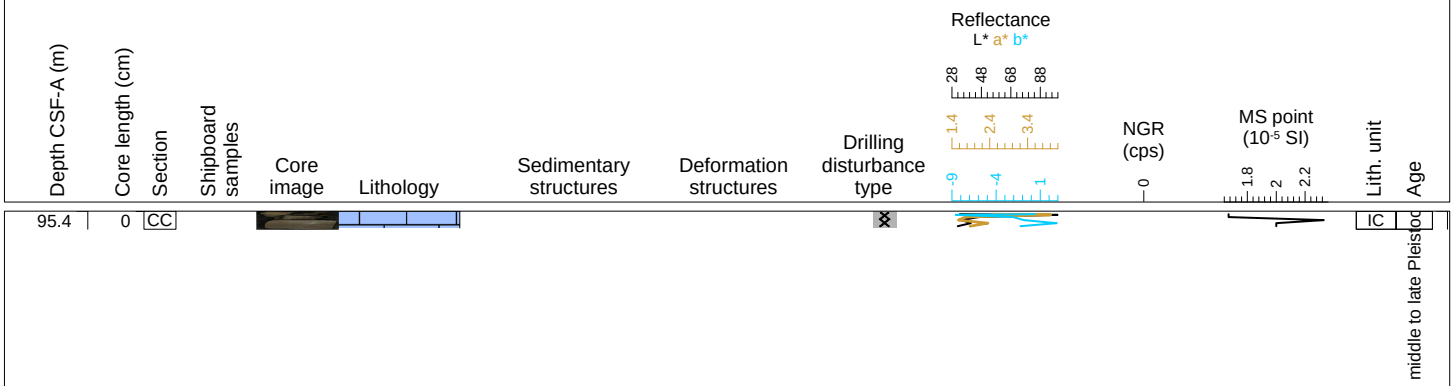
Hole 385-U1547B Core 12F, Interval 91.7-96.59 m (CSF-A)

This core consists of homogenous olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with a silty interval in section 1 (at 92 cm) overlain by alternation of silty and clay-rich laminae. A MICRITE-RICH interval of DIATOM OOZE is present in section 3 at 104-106 cm.



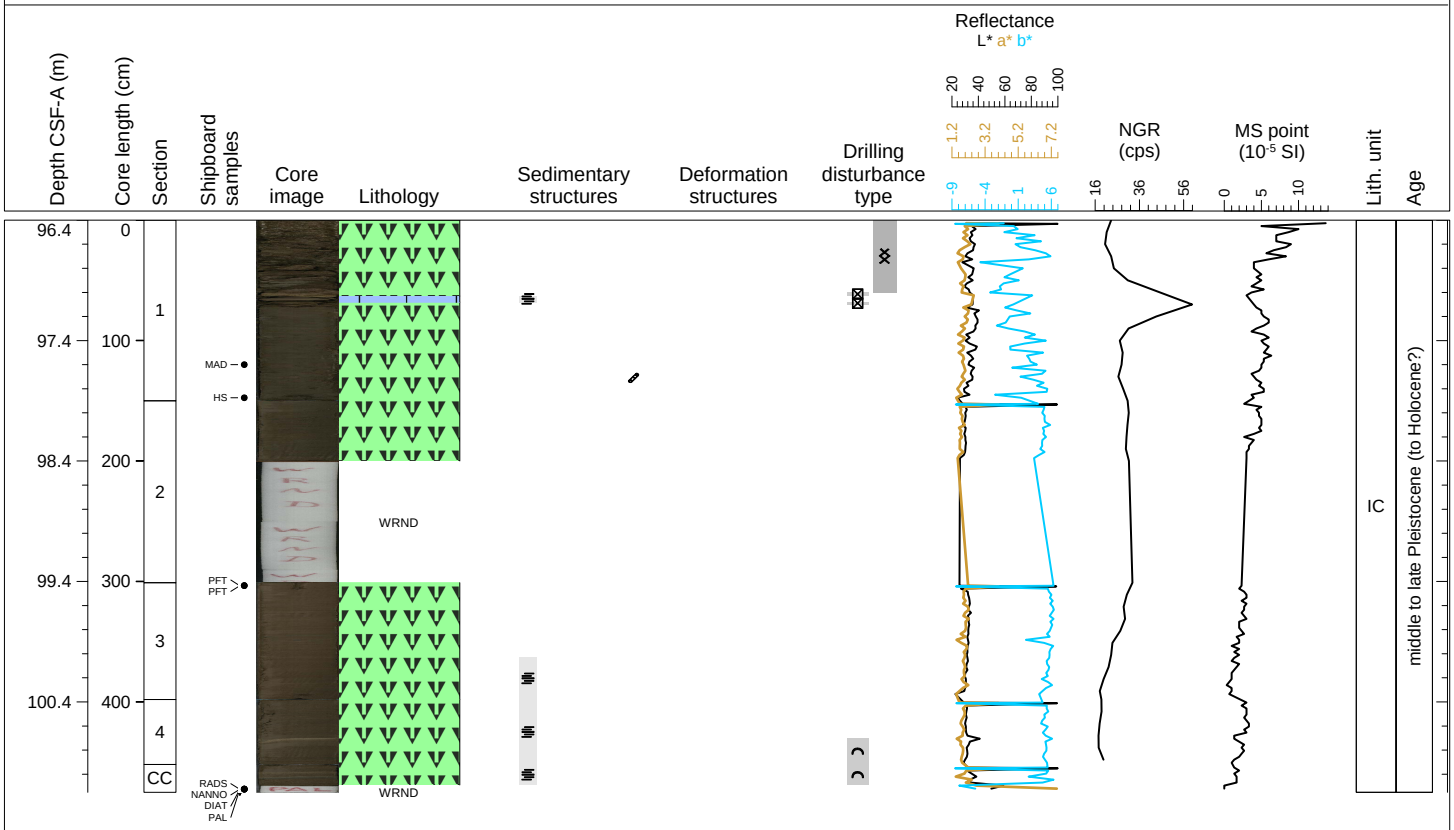
Hole 385-U1547B Core 13X, Interval 95.4-95.55 m (CSF-A)

This core consists of fragments of moderate olive brown (5Y4/4) LIMESTONE/DOLOSTONE.



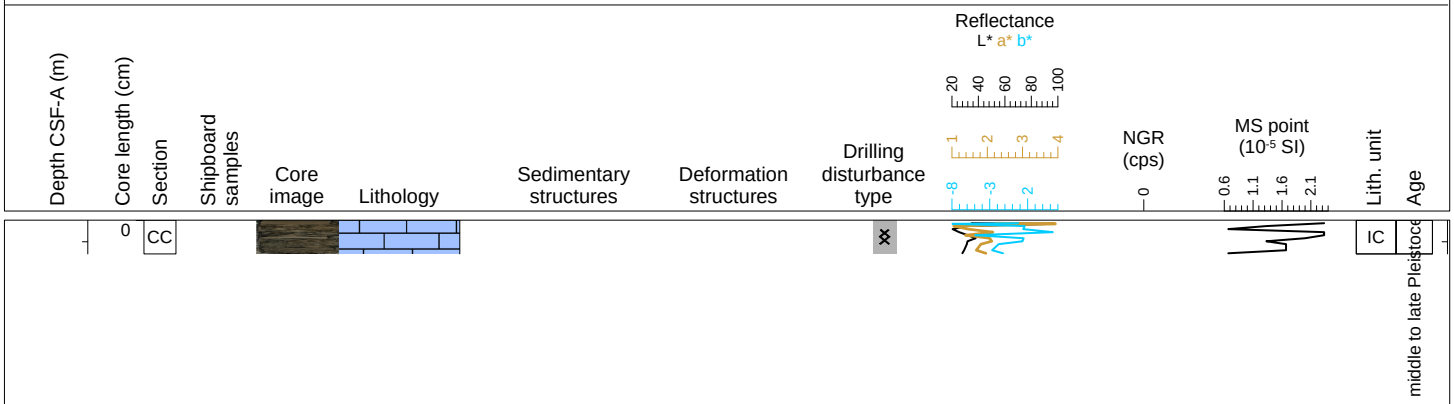
Hole 385-U1547B Core 14F, Interval 96.4-101.15 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with a yellowish gray (5Y 7/2) LIMESTONE/DOLOSTONE layer at 63-68 cm in section 1. Lamination occurs in sections 1 (63-68 cm), 3 (62-97 cm), 4 (0-64 cm) and CC (0-17 cm). Filled burrows are present at 130-132 cm in section 1. Sediments in section 1 (0-43 cm) are highly disturbed by drilling (breccia).



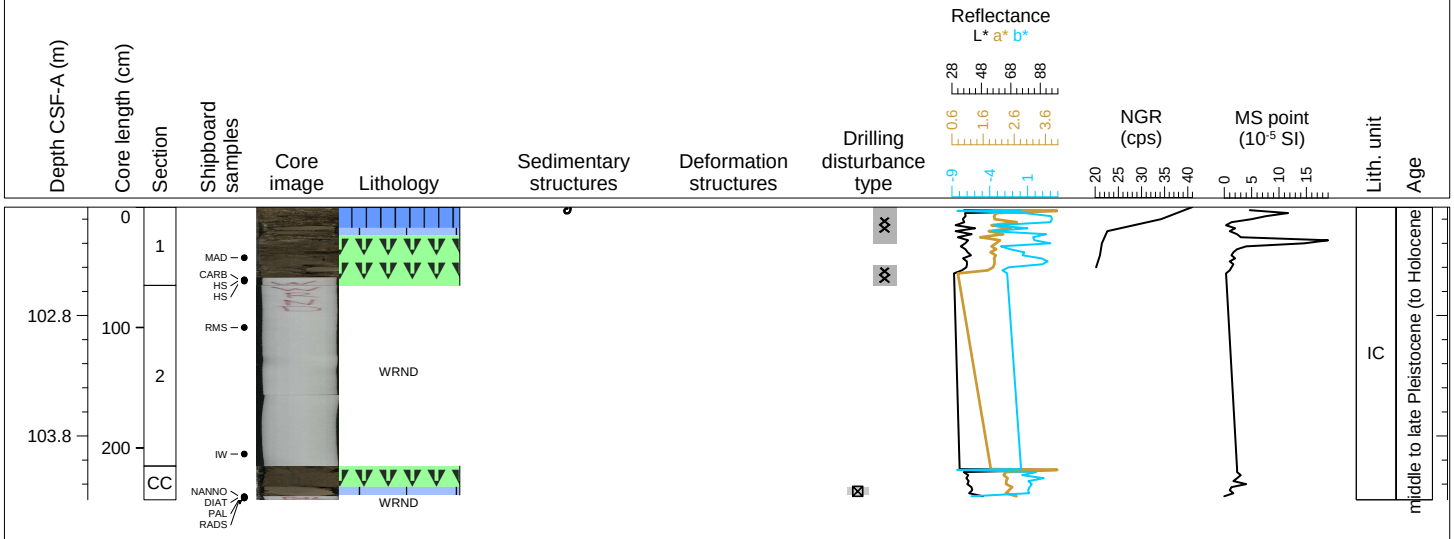
Hole 385-U1547B Core 15X, Interval 101.1-101.38 m (CSF-A)

This core consists of pale yellowish brown (10YR 6/2) pieces of LIMESTONE/DOLOSTONE. All sediments in section CC are highly disturbed by drilling (breccia).



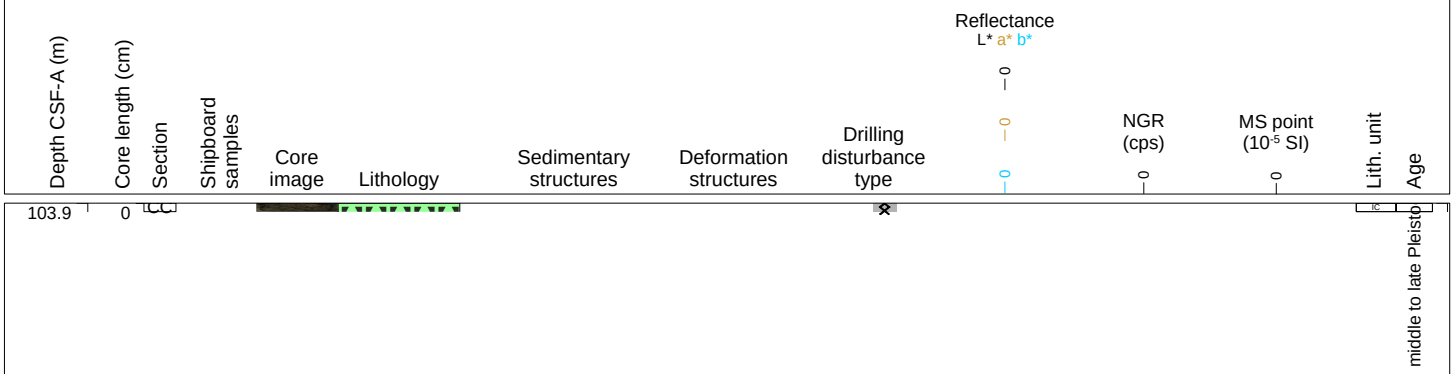
Hole 385-U1547B Core 16F, Interval 101.9-104.33 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with pale yellowish brown (10YR 6/2) LIMESTONE/DOLOSTONE and DIATOM-RICH MICRITE layers at 0-23 cm in section 1 and at 17-24 cm in section CC. Shell fragments occur at 0-4 cm in section 1. Most sediments in section 1 are highly disturbed by drilling (breccia).



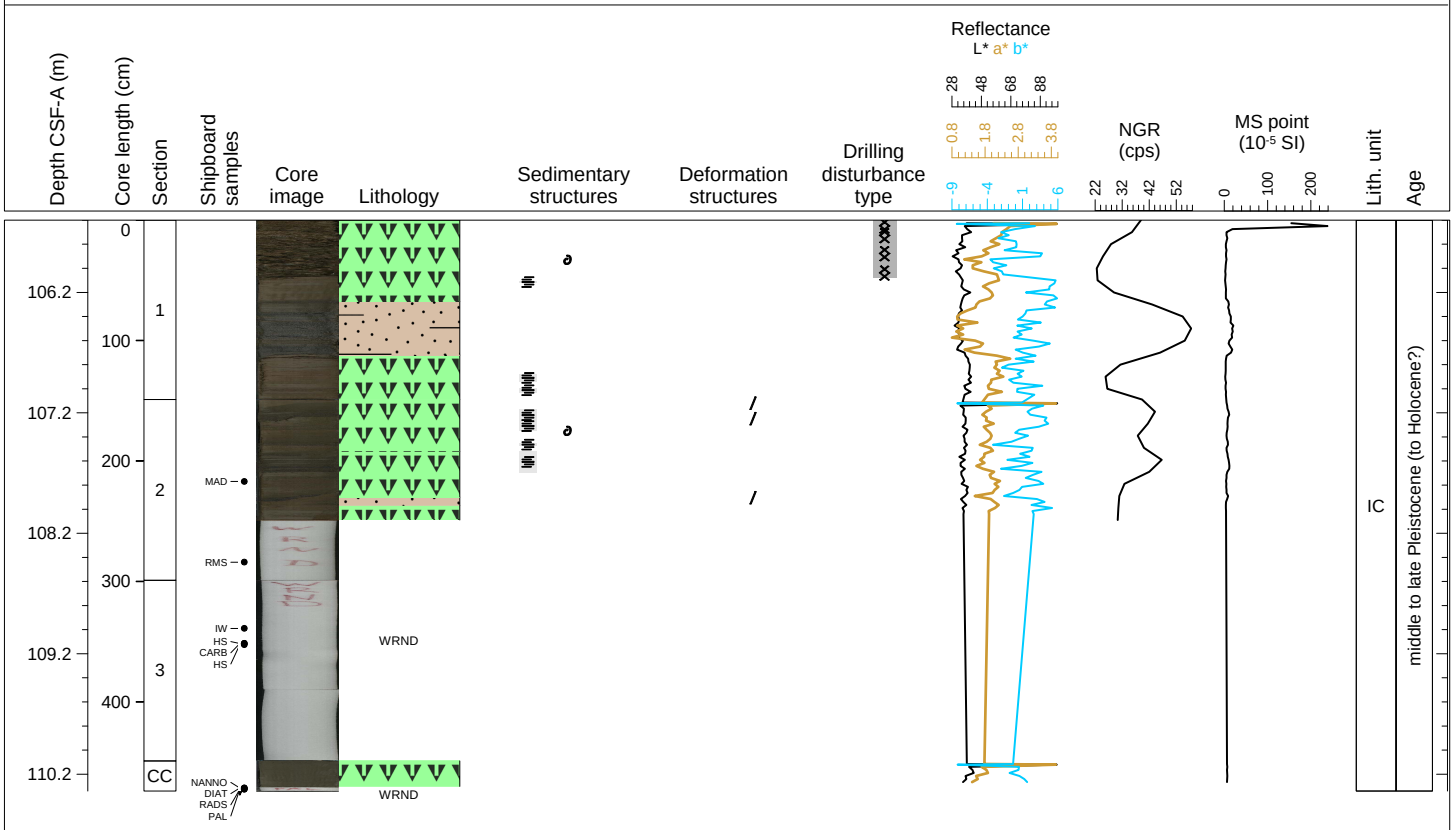
Hole 385-U1547B Core 17X, Interval 103.9-103.97 m (CSF-A)

This core consists of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE. All sediments in section CC are highly disturbed by drilling (breccia).



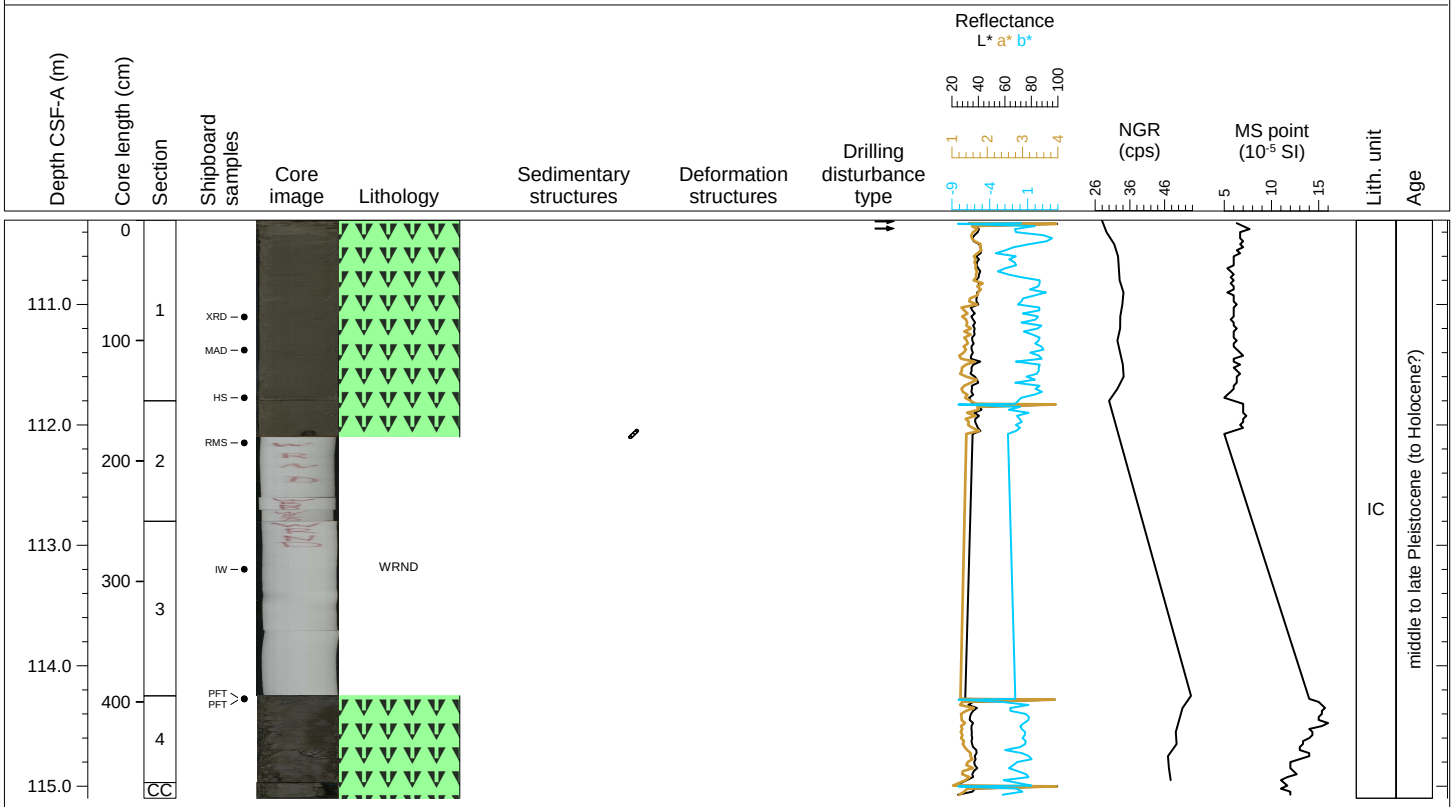
Hole 385-U1547B Core 18F, Interval 105.6-110.34 m (CSF-A)

This core consists of olive gray (5Y 3/2) to dark yellowish brown (10YR 4/2) CLAY-RICH DIATOM OOZE with medium gray (N5) DIATOM-RICH SILTY CLAY layers and laminae in sections 1 and 2. Normal fault occurs at 14-18 cm in section 2. Shell fragments occur at 33 cm in section 1 and at 26 cm in section 2. The top 48 cm of section 1 are highly disturbed by drilling (breccia).



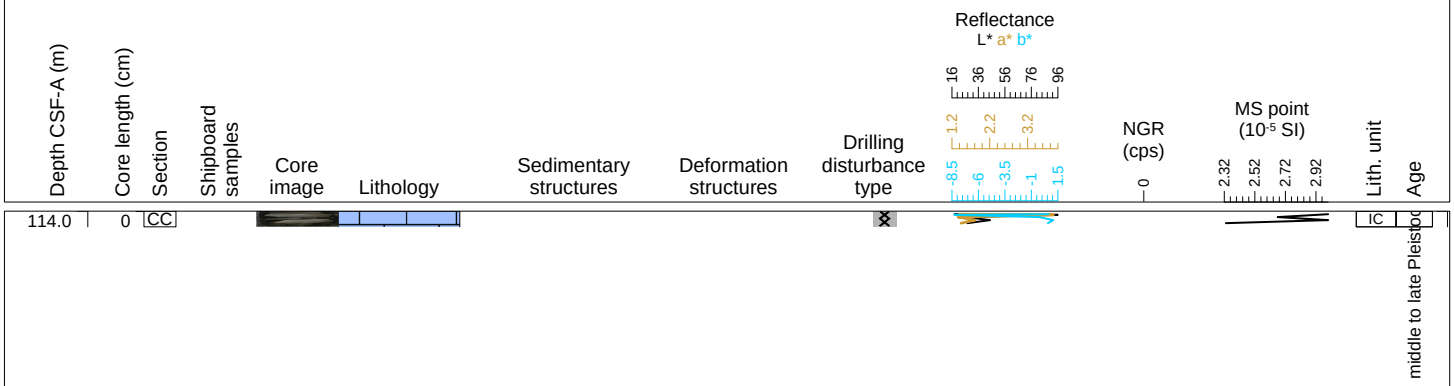
Hole 385-U1547B Core 19F, Interval 110.3-115.1 m (CSF-A)

This core consists of homogenous dark yellowish brown (10YR 4/2) to dusky yellowish brown (10YR 2/2) CLAY-RICH DIATOM OOZE. Open burrows occur at 25-30 cm in section 2.



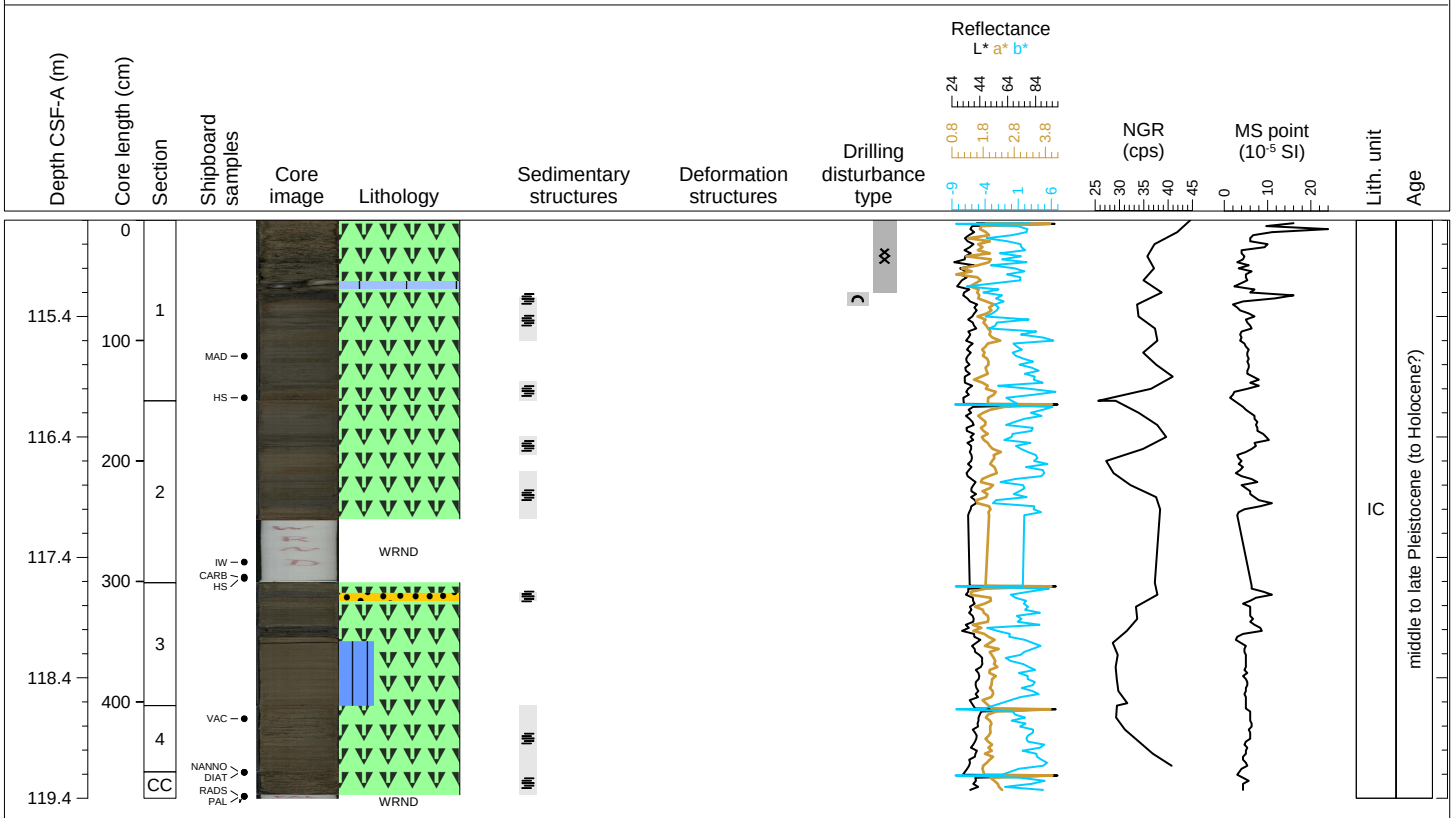
Hole 385-U1547B Core 20X, Interval 114.0-114.13 m (CSF-A)

This core consists of light olive gray (5Y 5/2) LIMESTONE/DOLOSTONE.



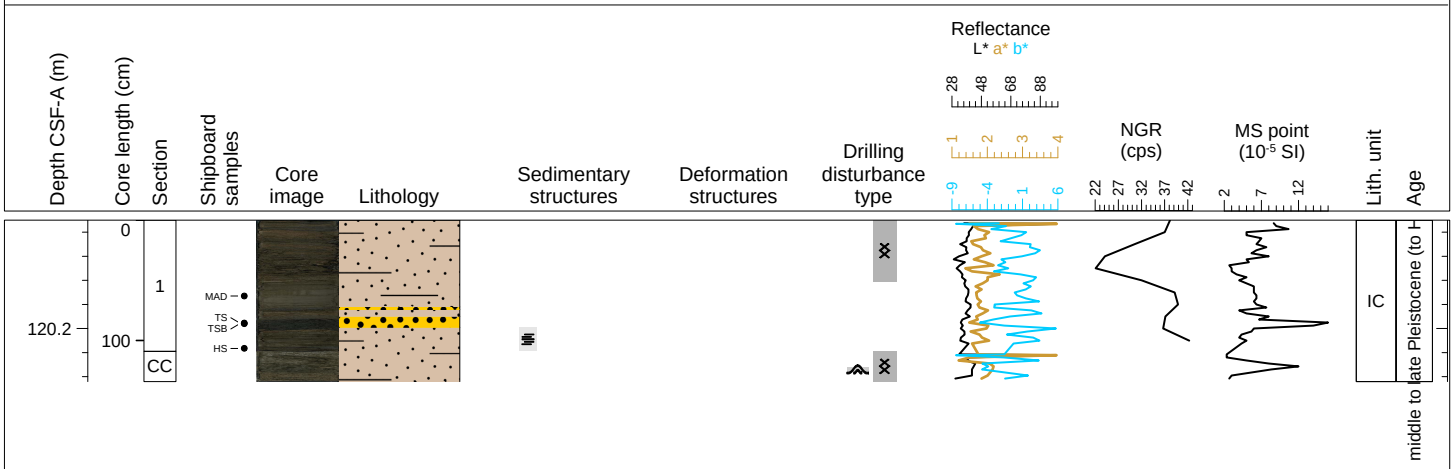
Hole 385-U1547B Core 21F, Interval 114.6-119.4 m (CSF-A)

This core is composed of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE with medium gray (N5) to dark gray (N3) SAND layer intercalations in sections 1 (64-100 cm, 134-150 cm), 2 (30-45 cm, 59-98 cm) and 3 (8-15 cm). In sections 4 and CC, lamination is disturbed either by drilling or by soft sediment deformation. Two fragments of LIMESTONE/DOLOSTONE are present at 50-58 cm in section 1. The top 60 cm of section 1 are highly disturbed by drilling (breccia).



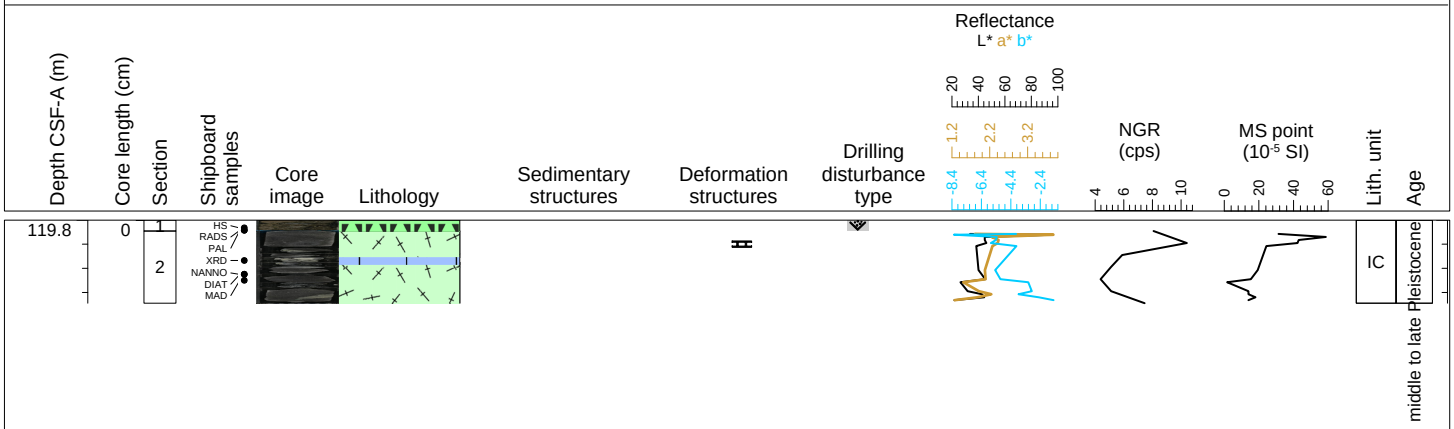
Hole 385-U1547B Core 22F, Interval 119.3-120.64 m (CSF-A)

This core consists of olive gray (5Y 3/2) DIATOM-RICH CLAYEY SILT with medium dark gray (N4) to dark gray (3) SAND intervals in section 1. Laminated intervals are present in section 1. The top 51 cm of section 1 and section CC are highly disturbed by drilling (breccia, suck-in).

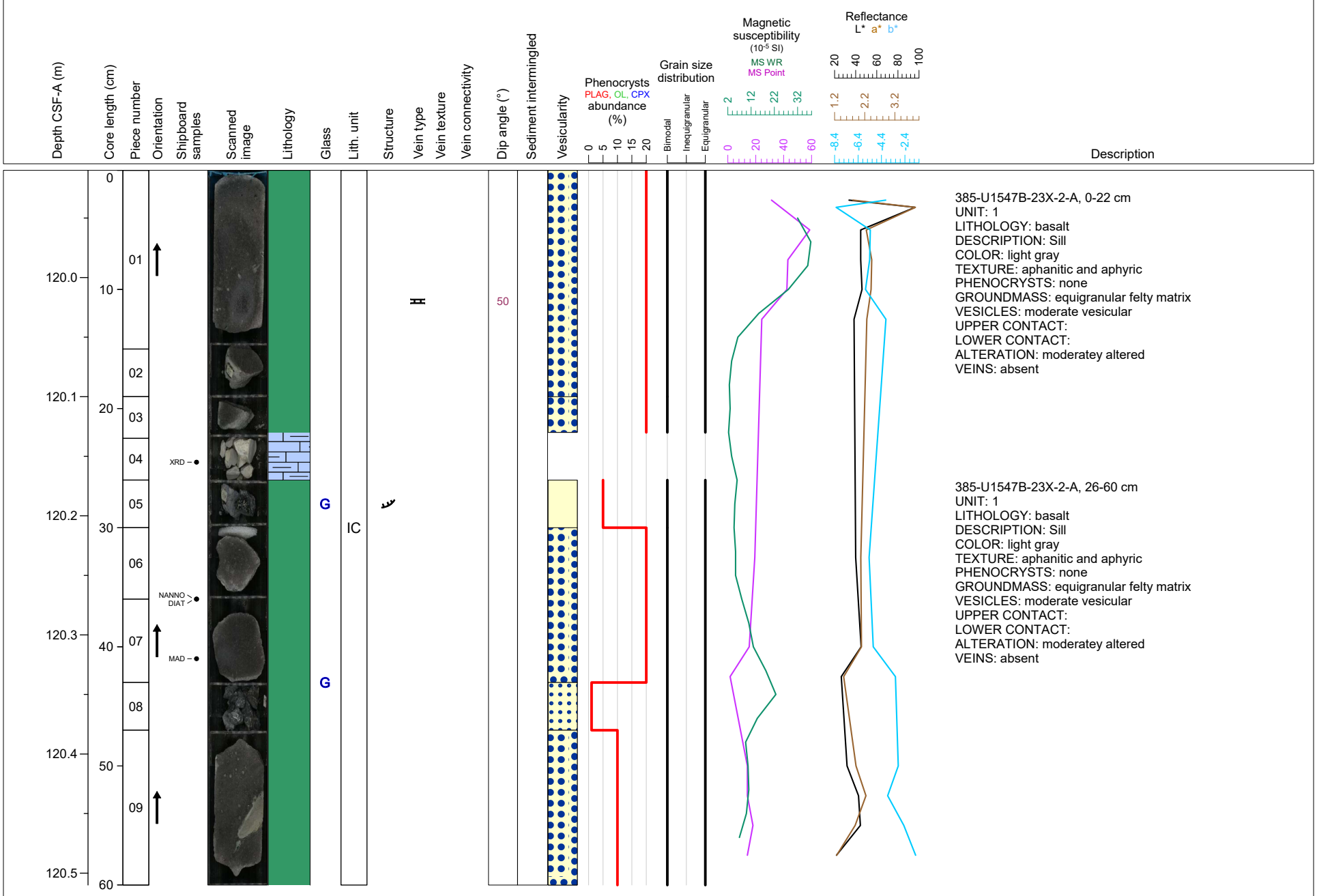


Hole 385-U1547B Core 23X, Interval 119.8-120.49 m (CSF-A)

This core is composed of olive gray (5Y 3/2) CLAY-RICH DIATOM OOZE . Sediments of this core are highly disturbed by drilling (fall-in).

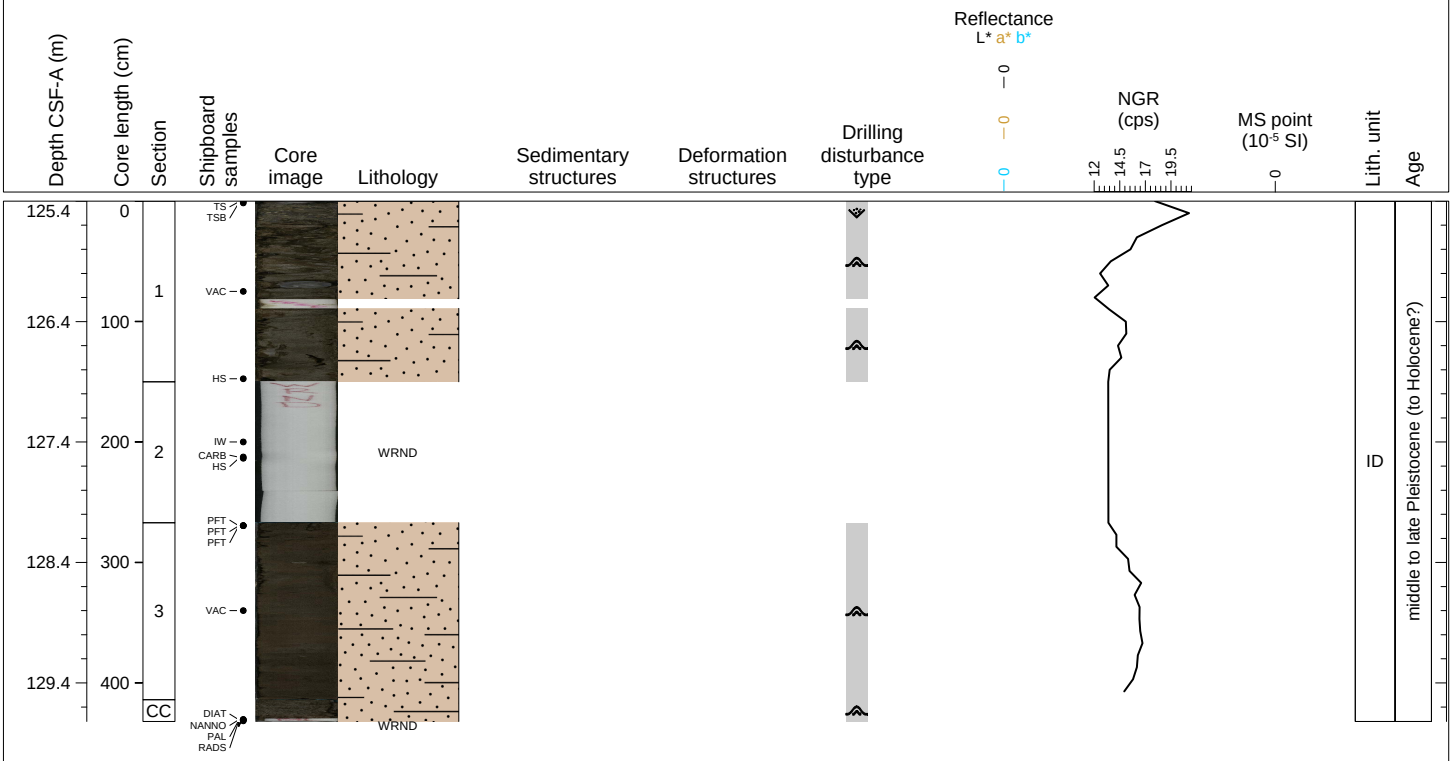


Hole 385-U1547B-23X Section 2, Top of Section: 119.89 m (CSF-A)



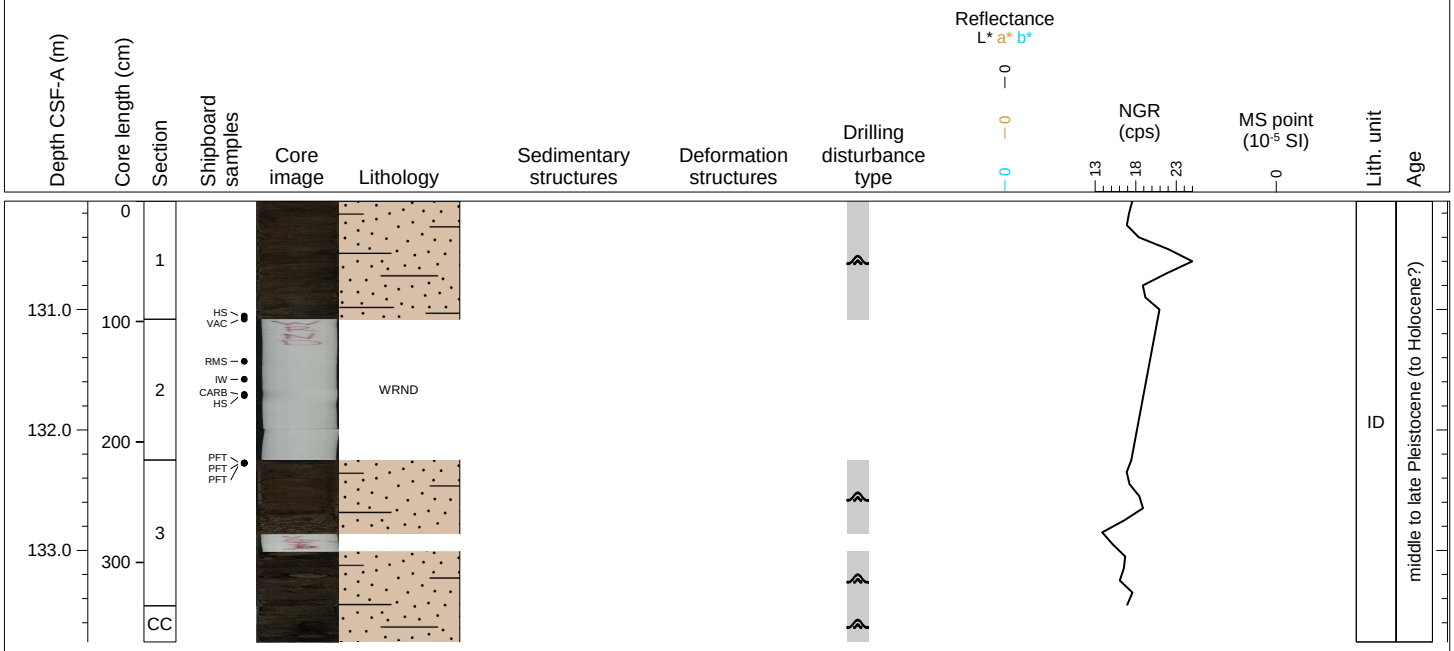
Hole 385-U1547B Core 24F, Interval 125.4-129.72 m (CSF-A)

This core consists of olive gray (5Y 3/2) DIATOM-RICH CLAYEY SILT. Sediments of this core are highly disturbed by drilling (fall-in, suck-in).



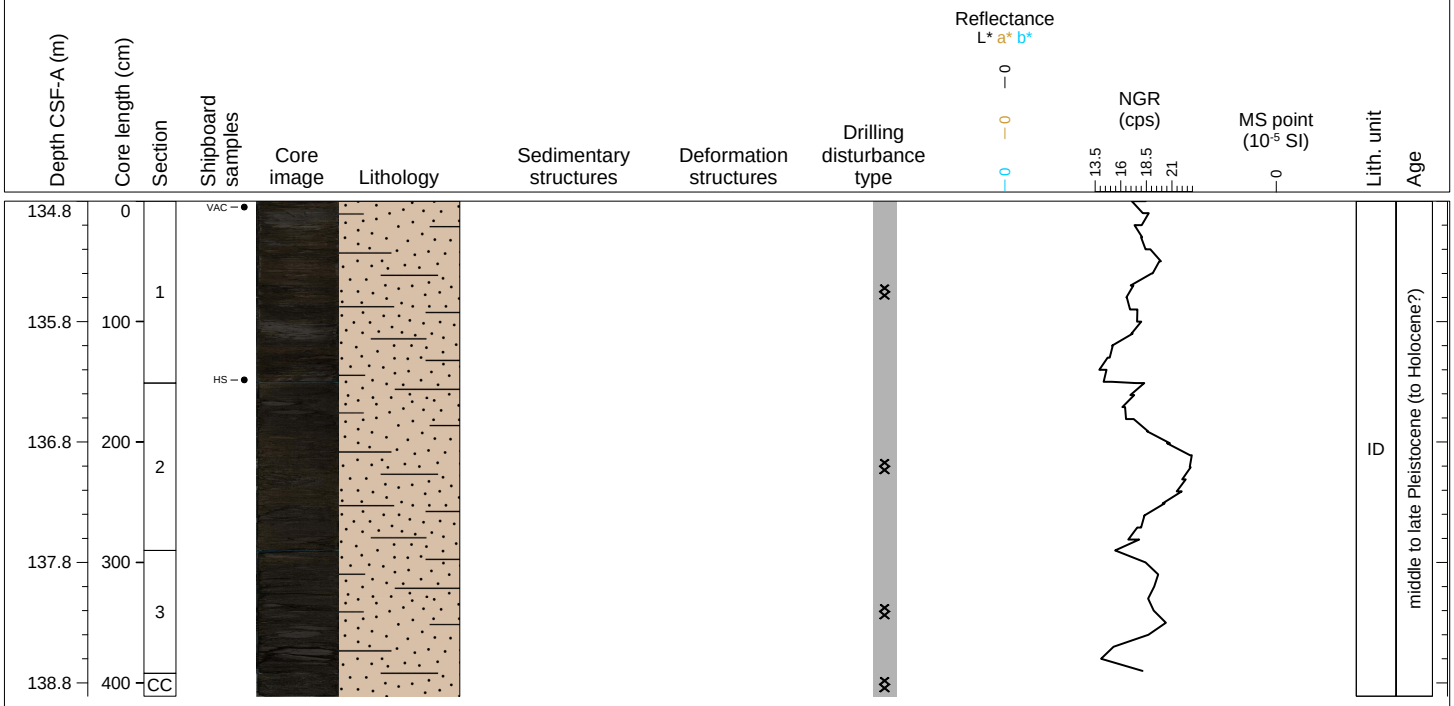
Hole 385-U1547B Core 25F, Interval 130.1-133.76 m (CSF-A)

This core is mainly composed of olive gray (5Y 3/2) DIATOM-RICH SILTY CLAY. Sediments of this core are highly disturbed by drilling (suck-in).



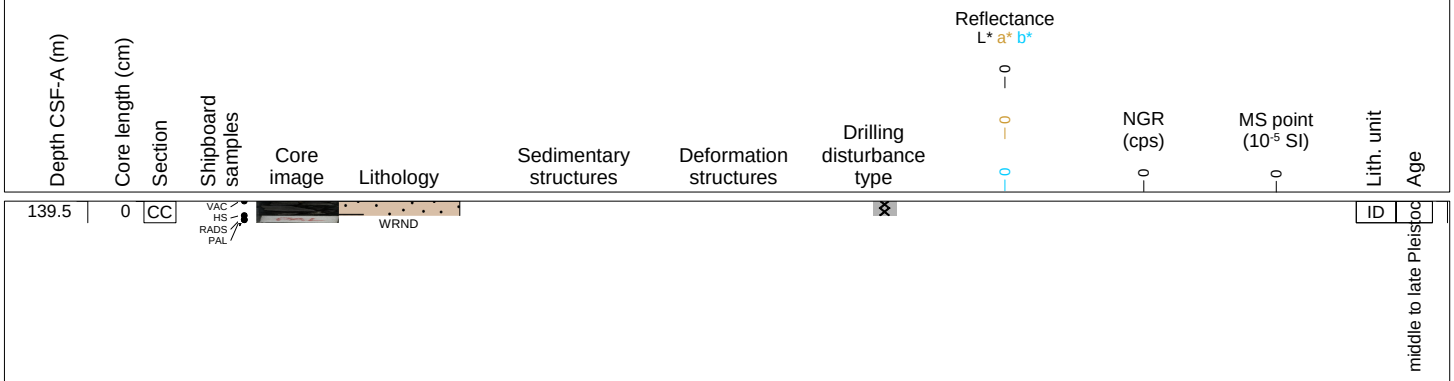
Hole 385-U1547B Core 26F, Interval 134.8-138.91 m (CSF-A)

This core is highly disturbed by drilling, consisting of a brecciated olive gray (5Y3/2) DIATOM-RICH SILTY CLAY.



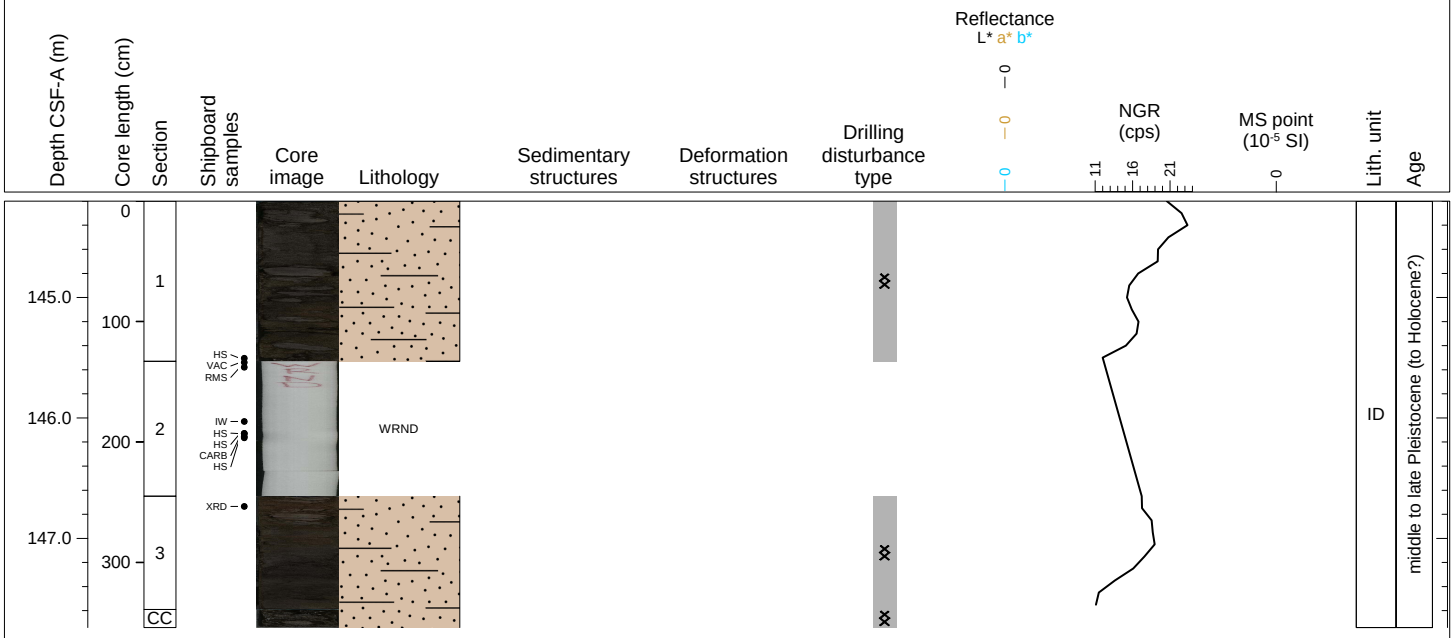
Hole 385-U1547B Core 27F, Interval 139.5-139.68 m (CSF-A)

This core is mainly composed of olive gray (5Y 3/2) DIATOM-RICH SILTY CLAY. Dark gray (N3) pieces of BASALT are present in section CC. Sediments of this core are highly disturbed by drilling (breccia).



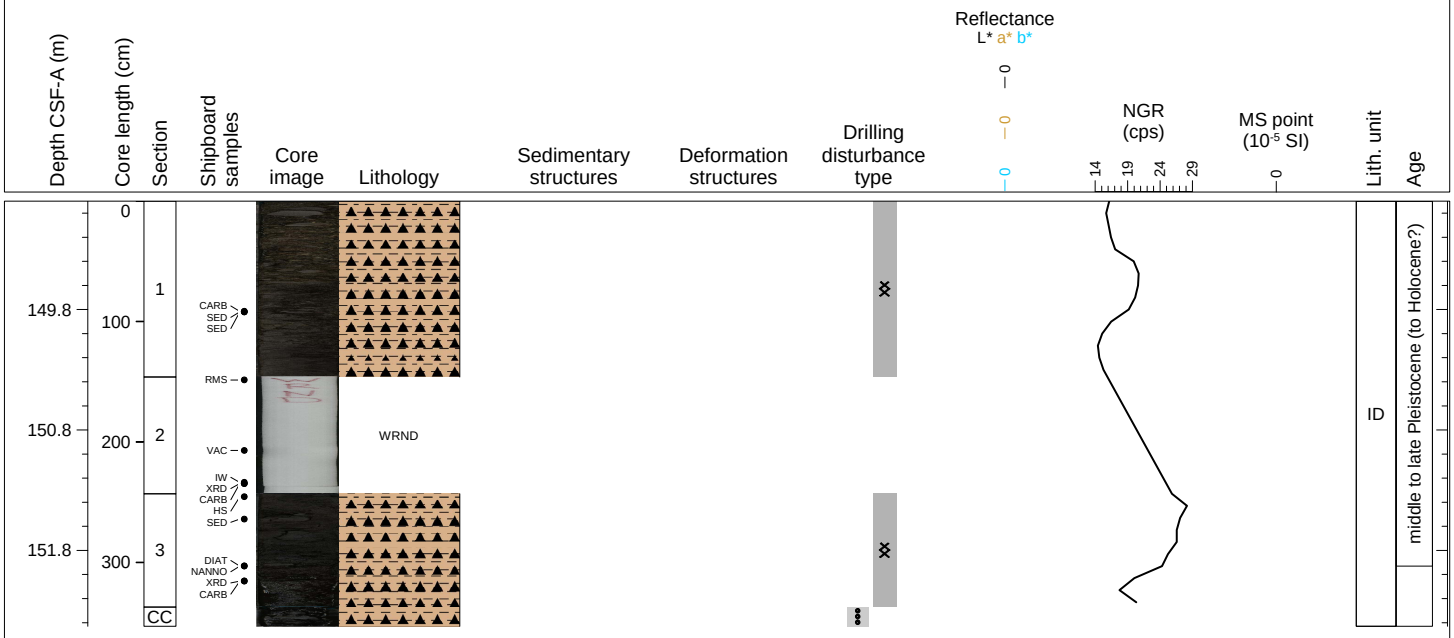
Hole 385-U1547B Core 28F, Interval 144.2-147.74 m (CSF-A)

This core is mainly composed of olive gray (5Y 3/2) DIATOM-RICH SILTY CLAY. Sediments of this core are highly disturbed by drilling (breccia).

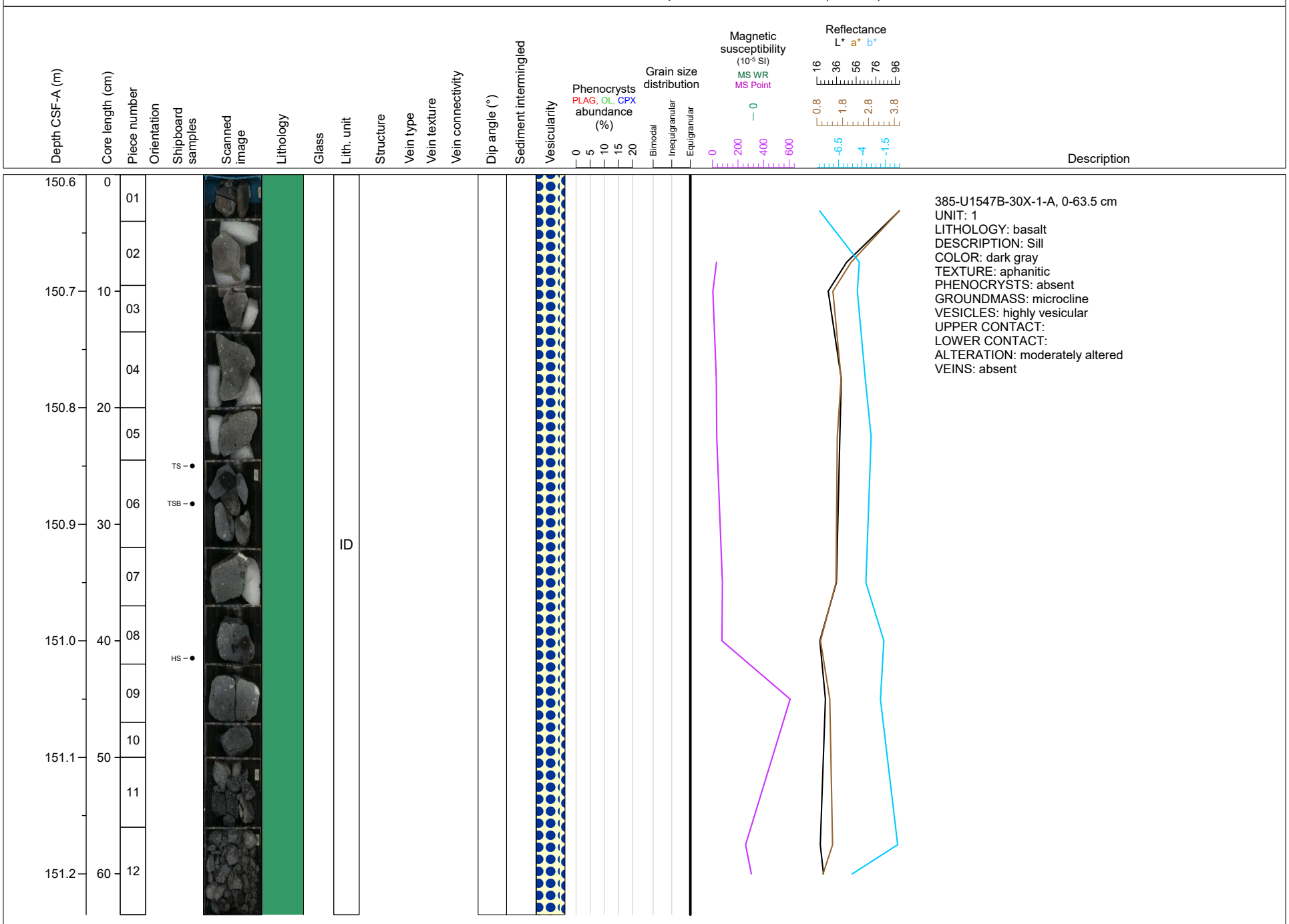


Hole 385-U1547B Core 29F, Interval 148.9-152.43 m (CSF-A)

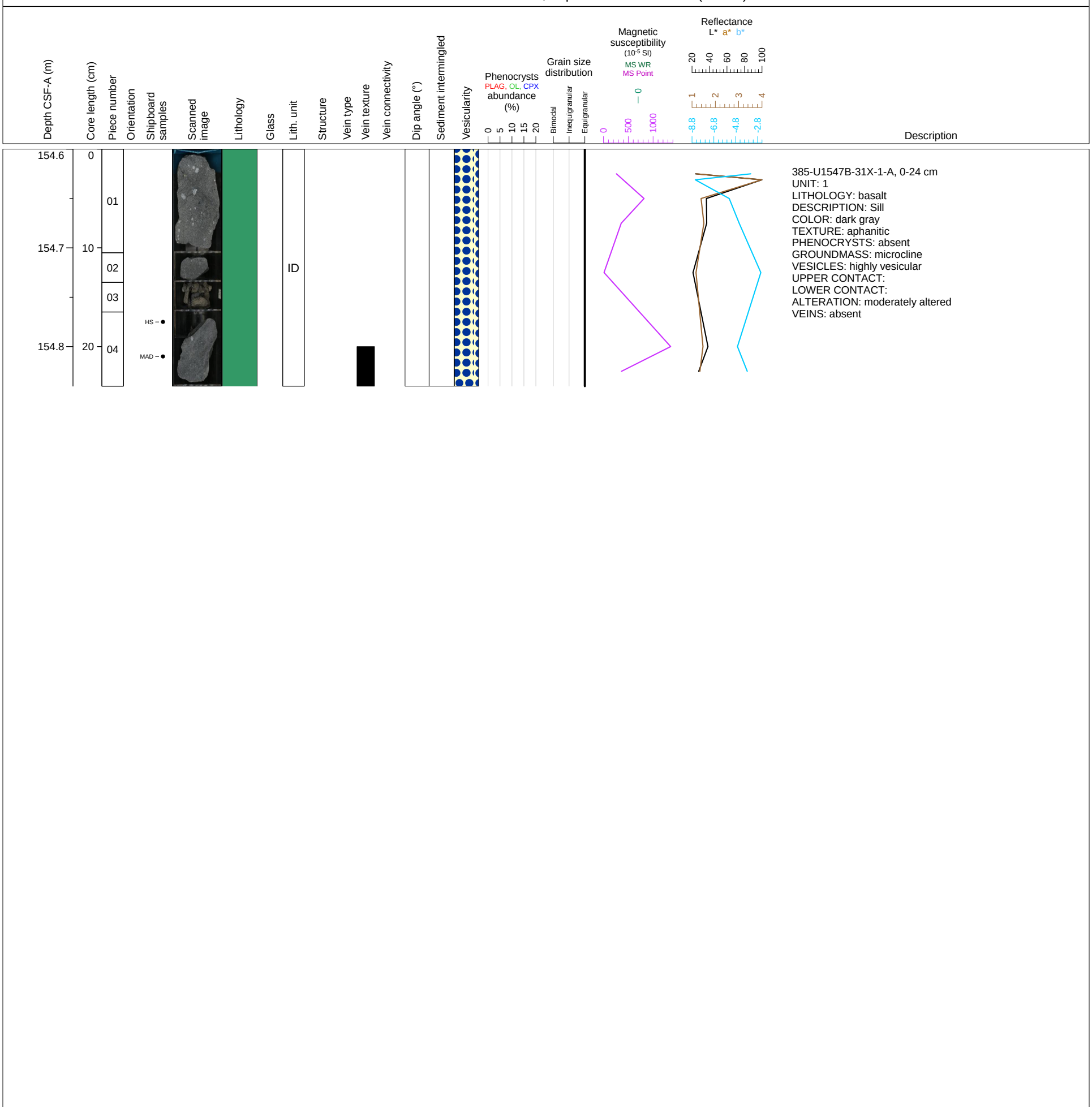
This core consists of drilling brecciated grayish brown (5YR 3/2) and dark yellowish brown (10YR 4/2) SILICEOUS CLAYSTONE. In the upper part of section 1, the grayish brown CLAYSTONE breccia is mixed with gravel of different types suggesting "Fall In" disturbance. In the CC, pieces of BASALT are mixed with a soupy mud.



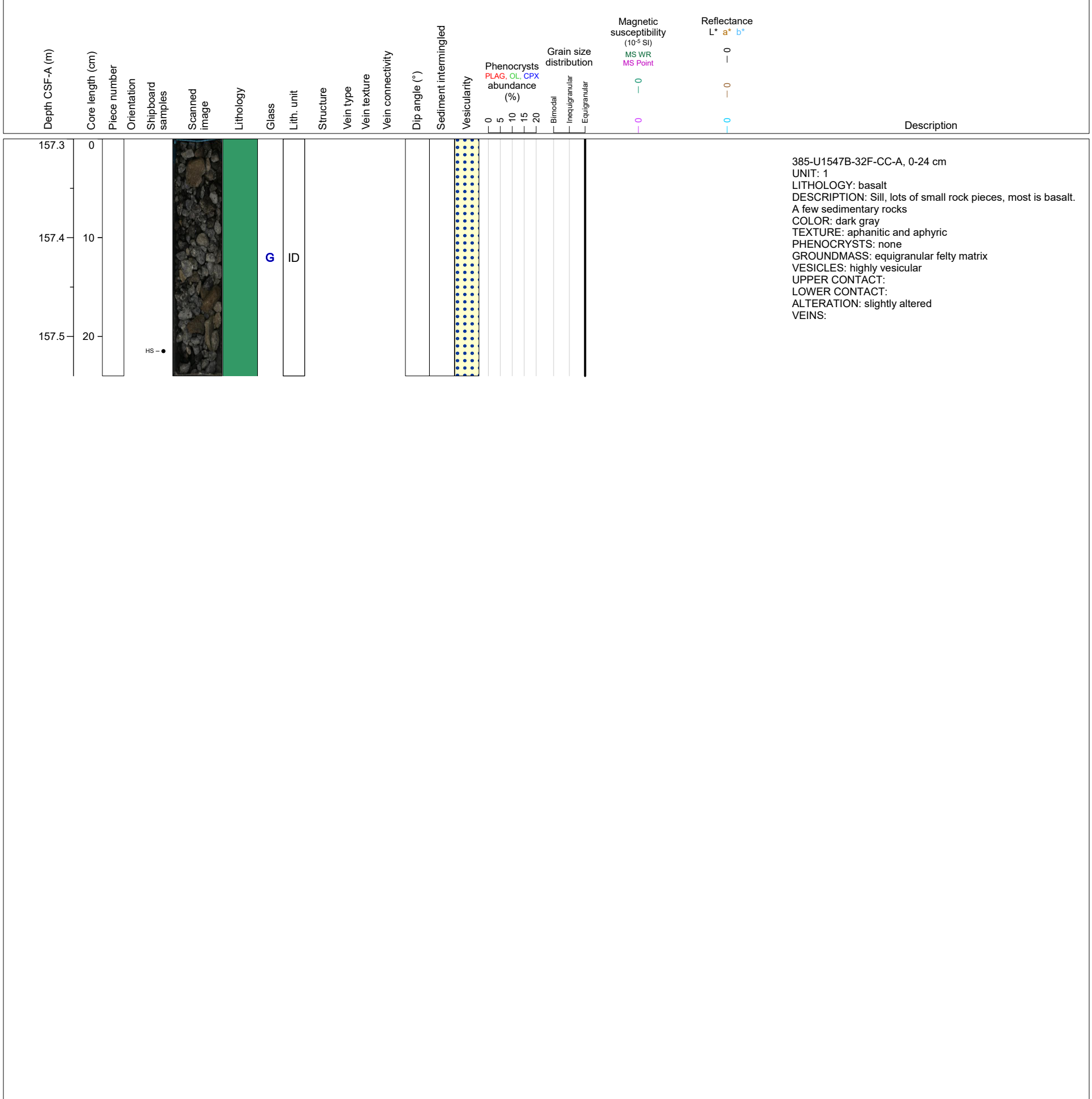
Hole 385-U1547B-30X Section 1, Top of Section: 150.6 m (CSF-A)



Hole 385-U1547B-31X Section 1, Top of Section: 154.6 m (CSF-A)

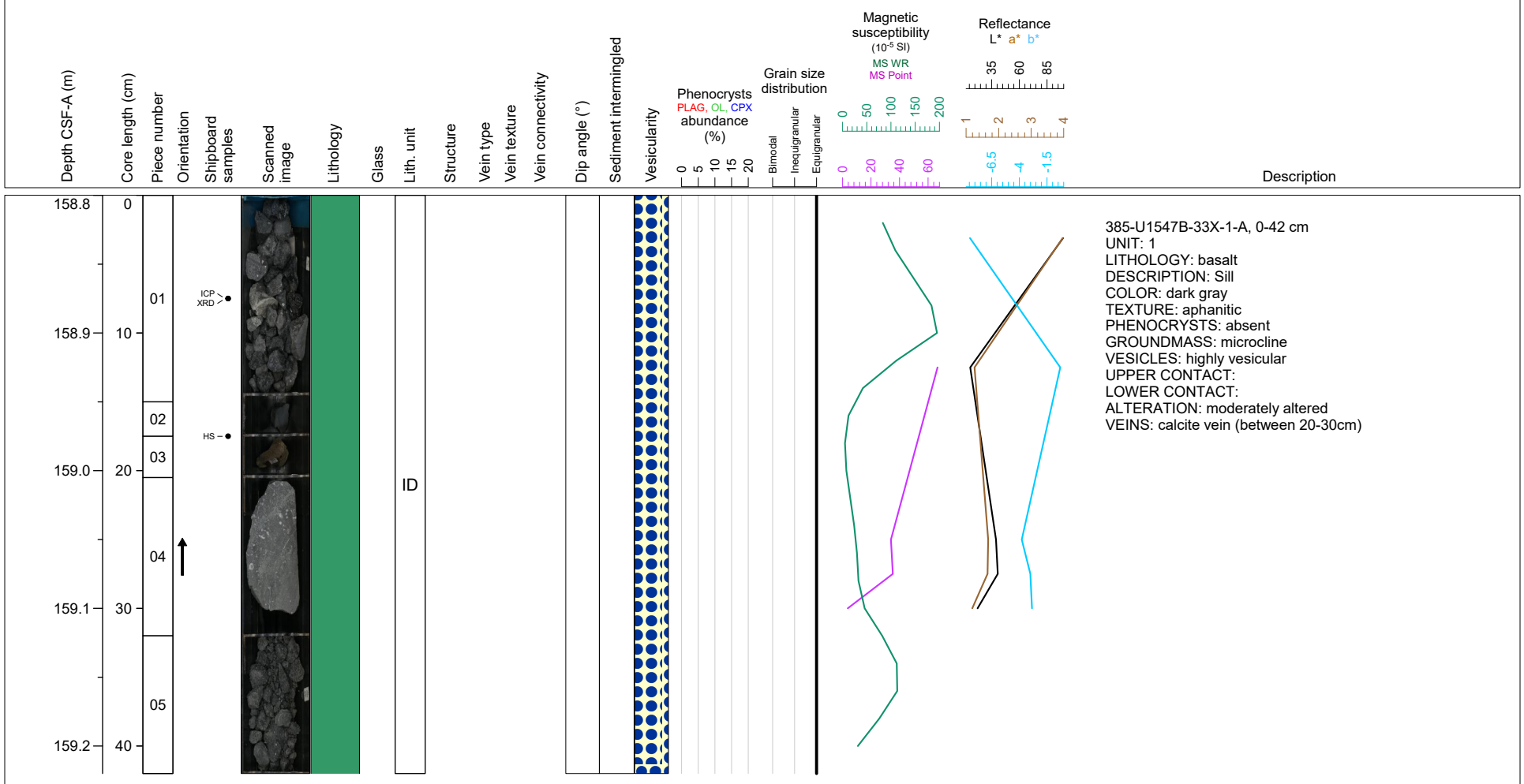


Hole 385-U1547B-32F Section CC, Top of Section: 157.3 m (CSF-A)



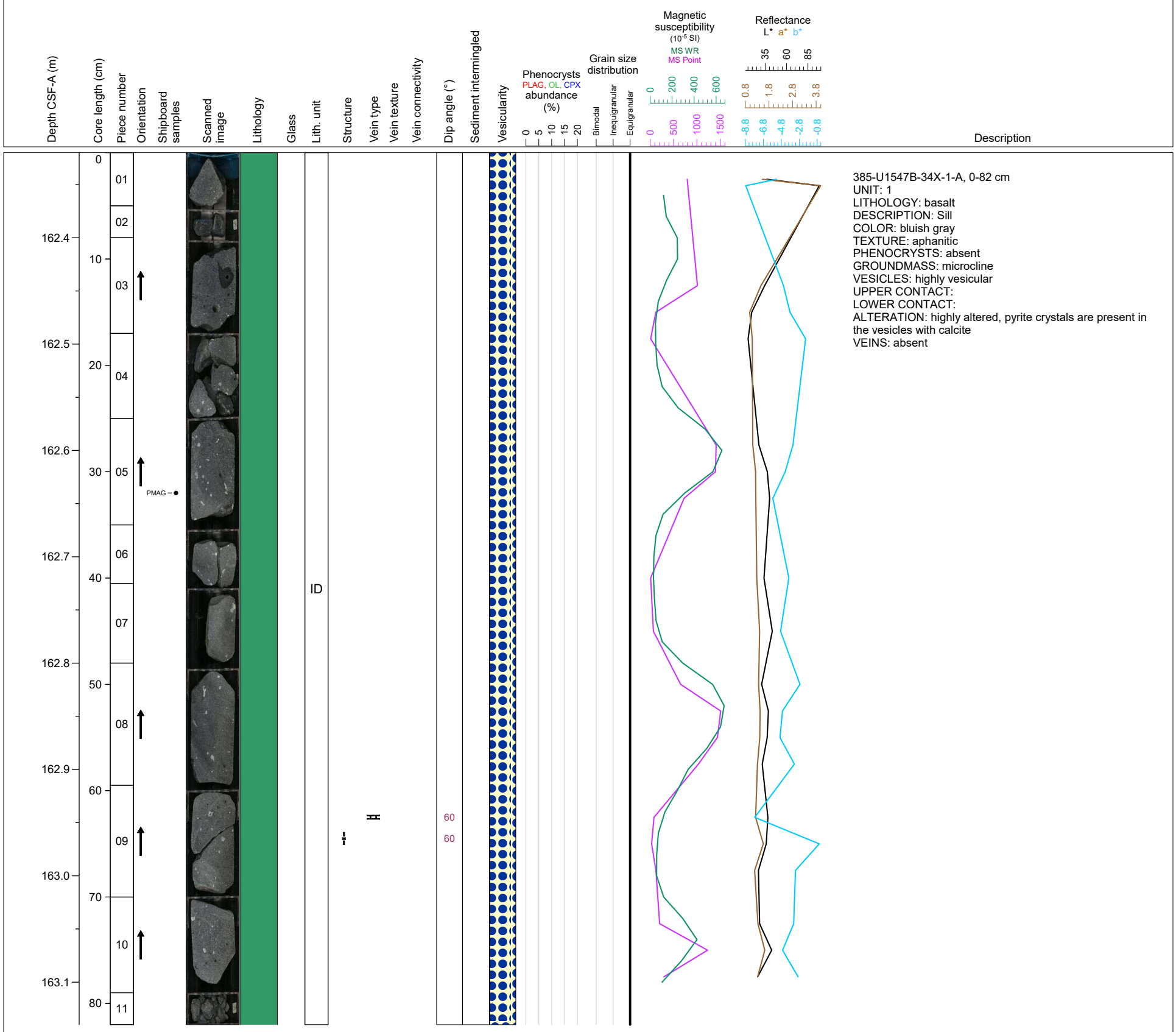
385-U1547B-32F-CC-A, 0-24 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill, lots of small rock pieces, most is basalt. A few sedimentary rocks
COLOR: dark gray
TEXTURE: aphanitic and aphyric
PHENOCRYSTS: none
GROUNDMASS: equigranular felty matrix
VESICLES: highly vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: slightly altered
VEINS:

Hole 385-U1547B-33X Section 1, Top of Section: 158.8 m (CSF-A)

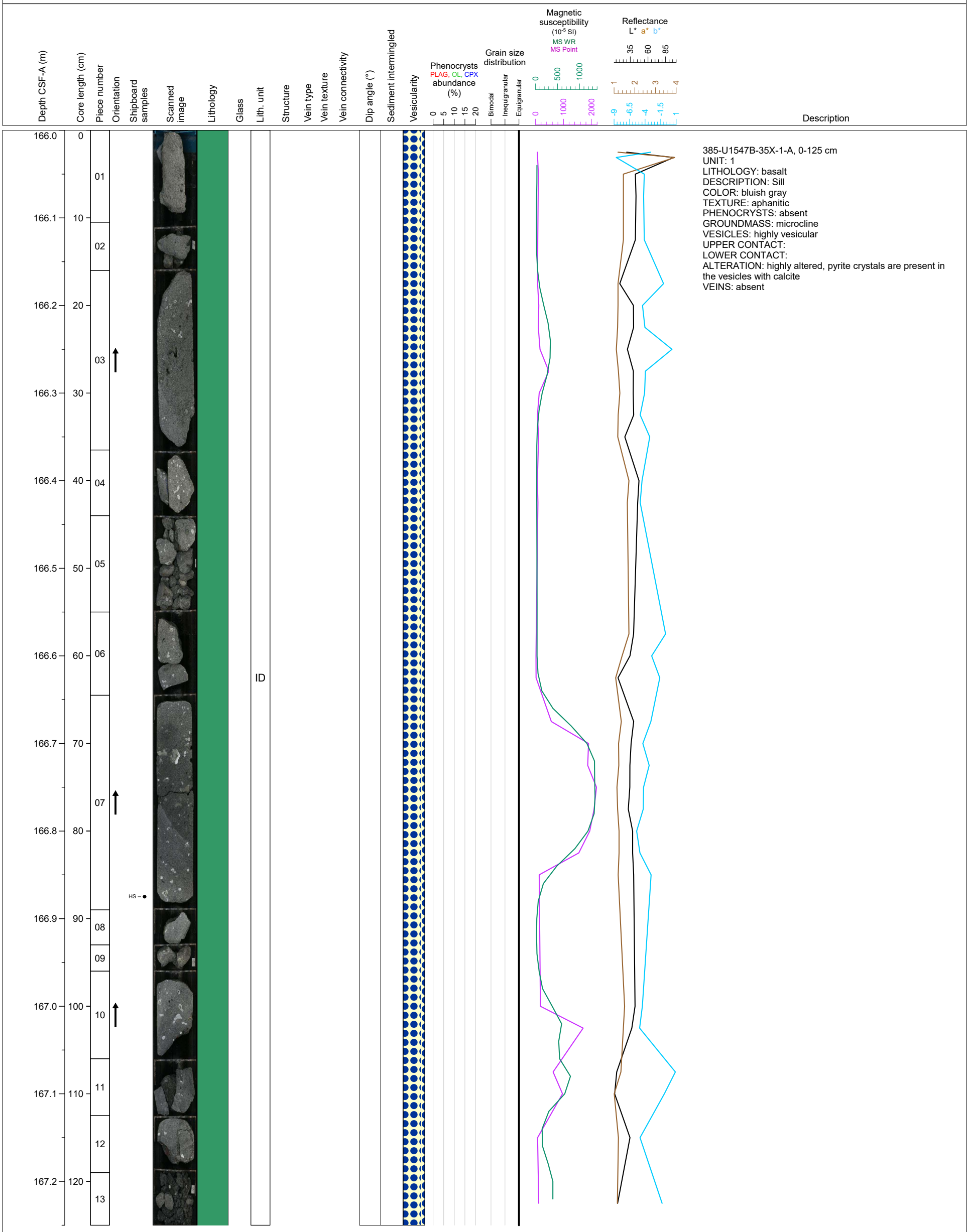


385-U1547B-33X-1-A, 0-42 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: dark gray
TEXTURE: aphanitic
PHENOCRYSTS: absent
GROUNDMASS: microcline
VESICLES: highly vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: calcite vein (between 20-30cm)

Hole 385-U1547B-34X Section 1, Top of Section: 162.3 m (CSF-A)

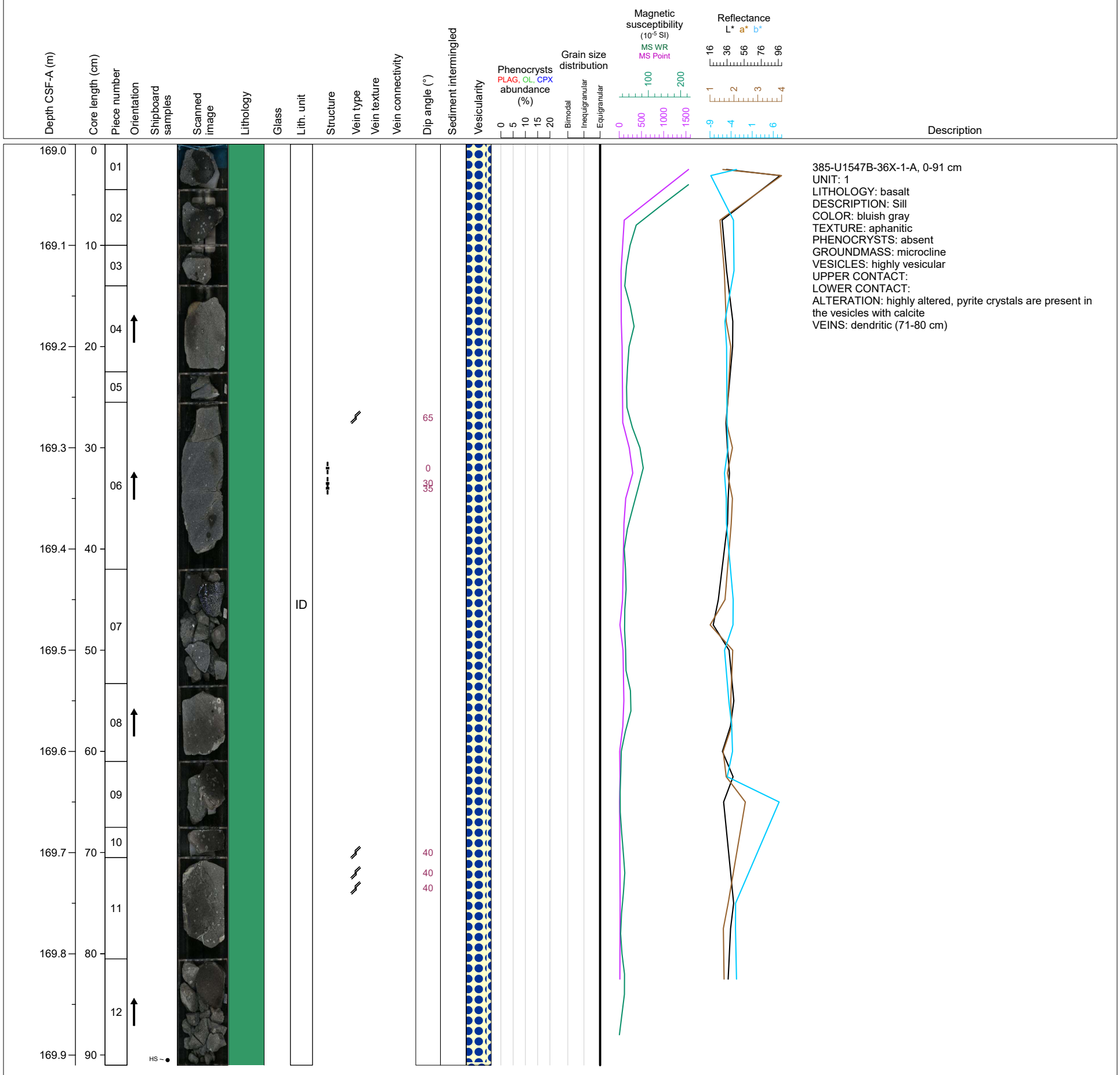


Hole 385-U1547B-35X Section 1, Top of Section: 166.0 m (CSF-A)

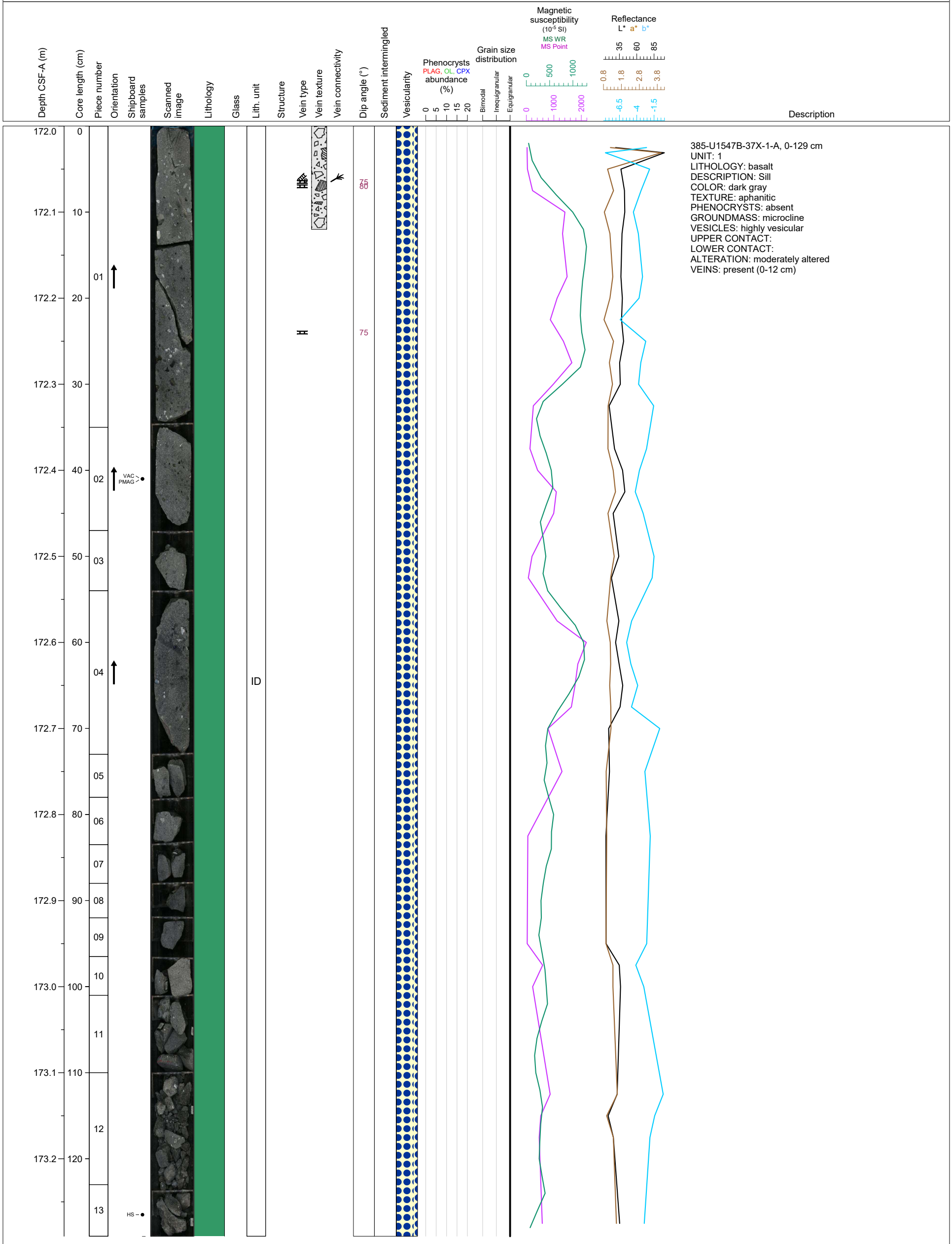


385-U1547B-35X-1-A, 0-125 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: bluish gray
TEXTURE: aphanitic
PHENOCRYSTS: absent
GROUNDMASS: microcline
VESICLES: highly vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: highly altered, pyrite crystals are present in the vesicles with calcite
VEINS: absent

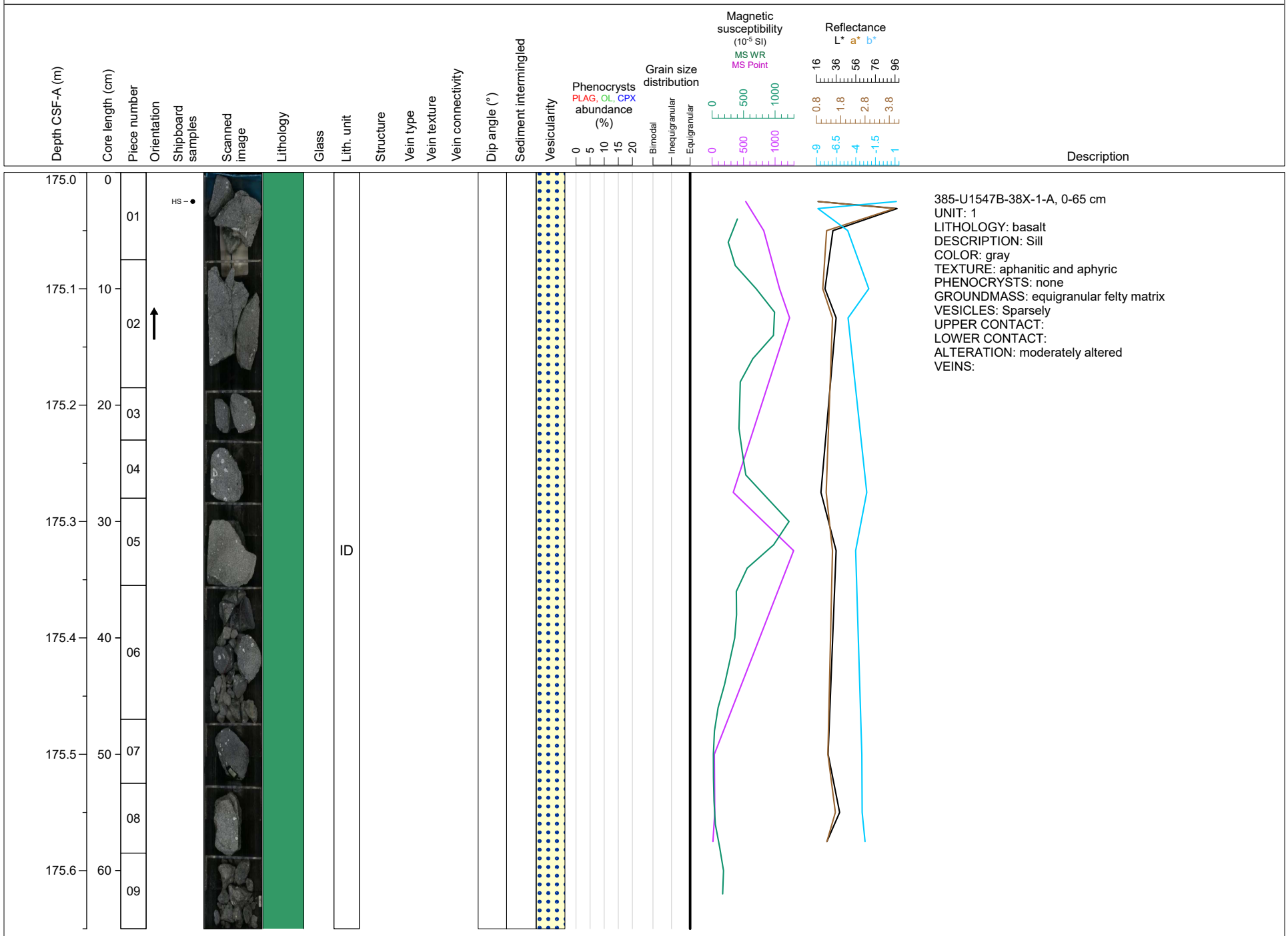
Hole 385-U1547B-36X Section 1, Top of Section: 169.0 m (CSF-A)



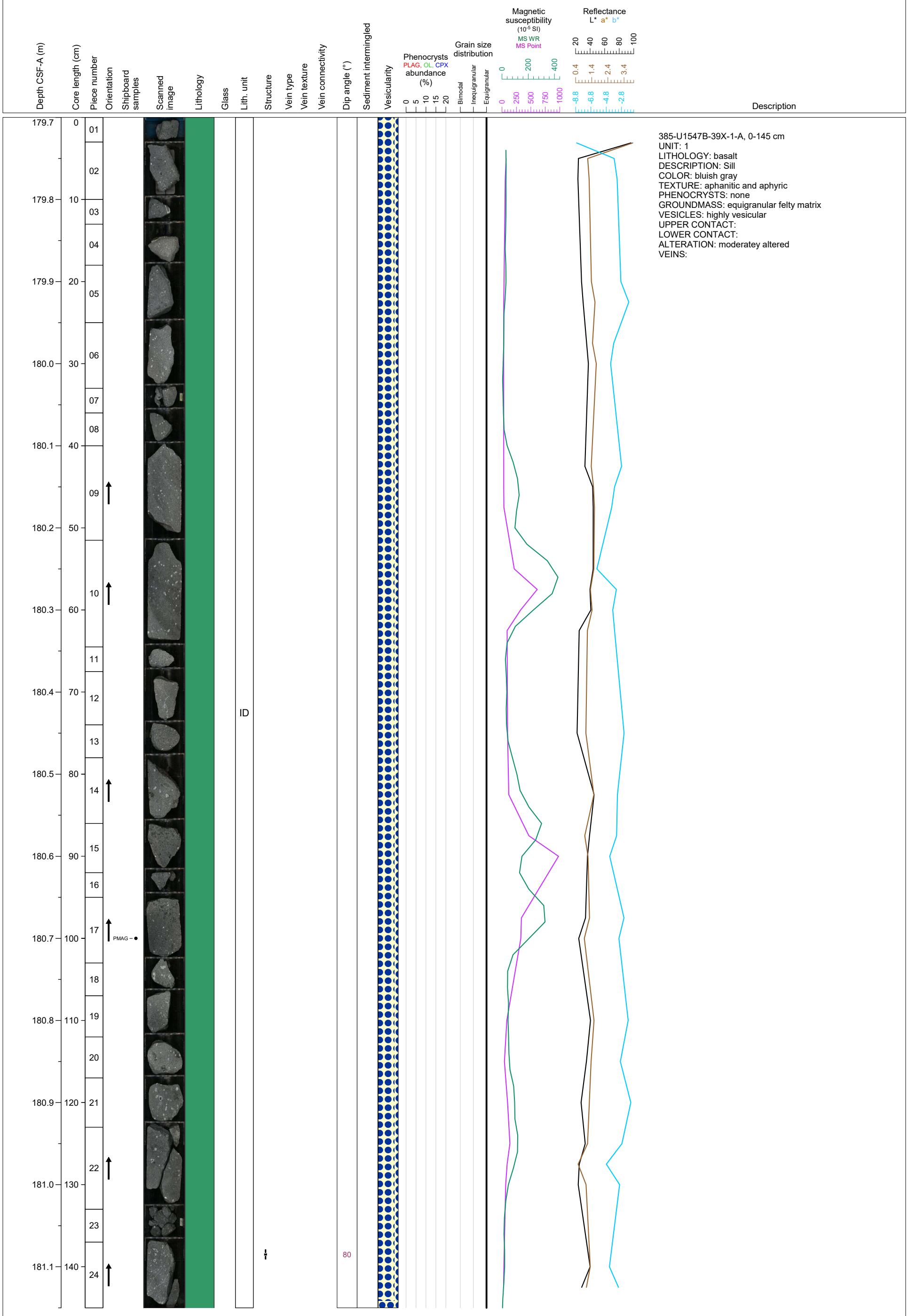
Hole 385-U1547B-37X Section 1, Top of Section: 172.0 m (CSF-A)



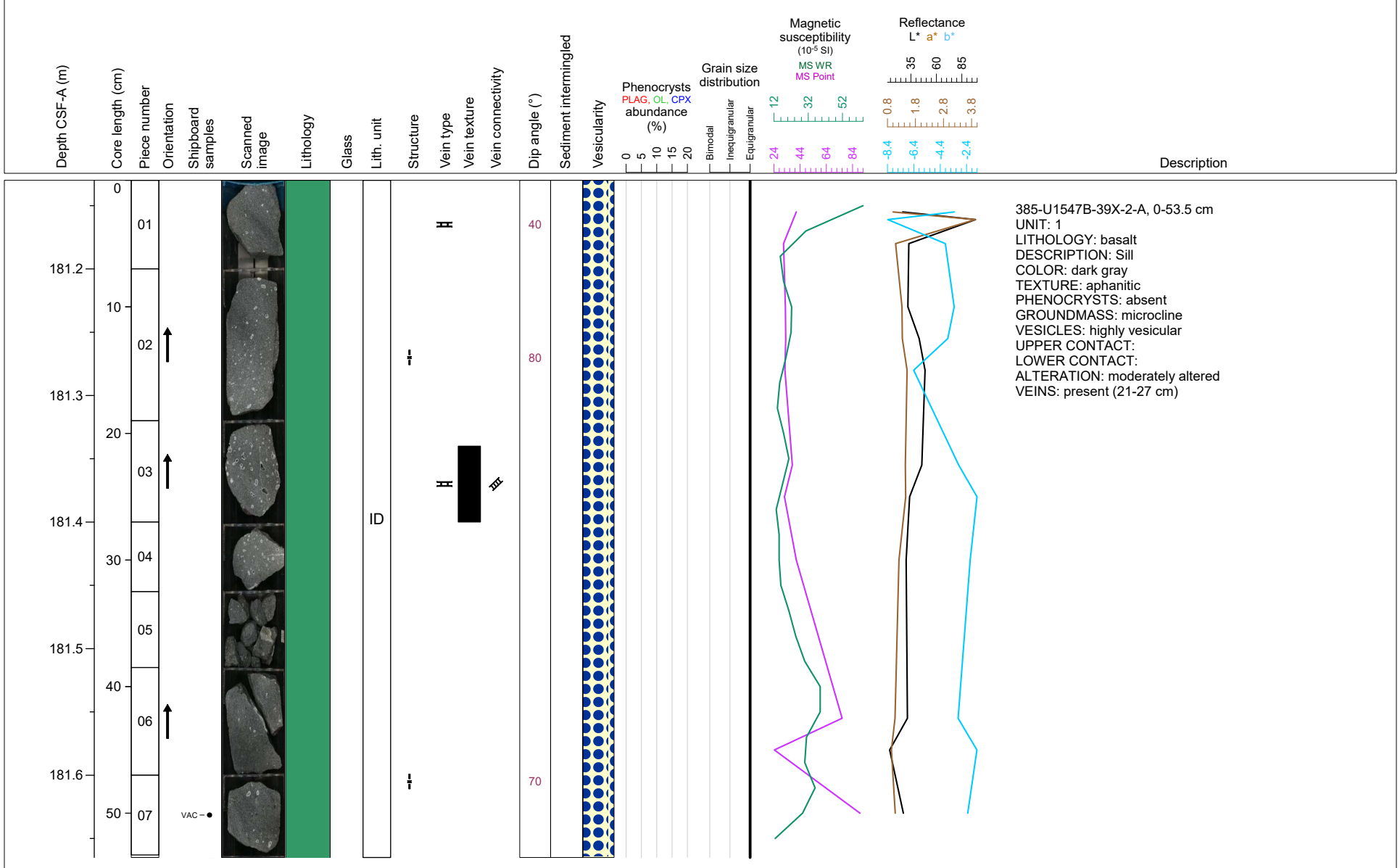
Hole 385-U1547B-38X Section 1, Top of Section: 175.0 m (CSF-A)



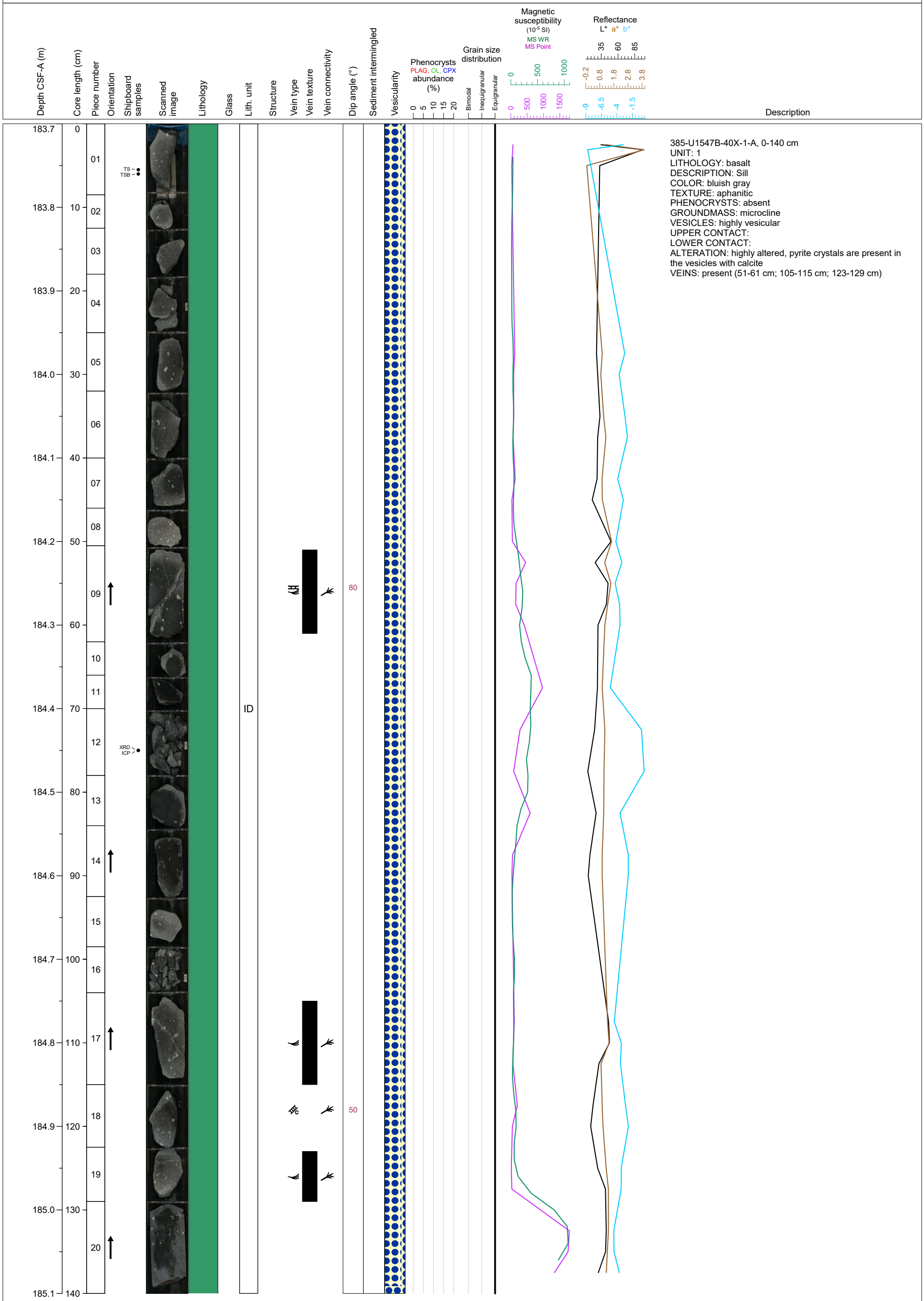
Hole 385-U1547B-39X Section 1, Top of Section: 179.7 m (CSF-A)



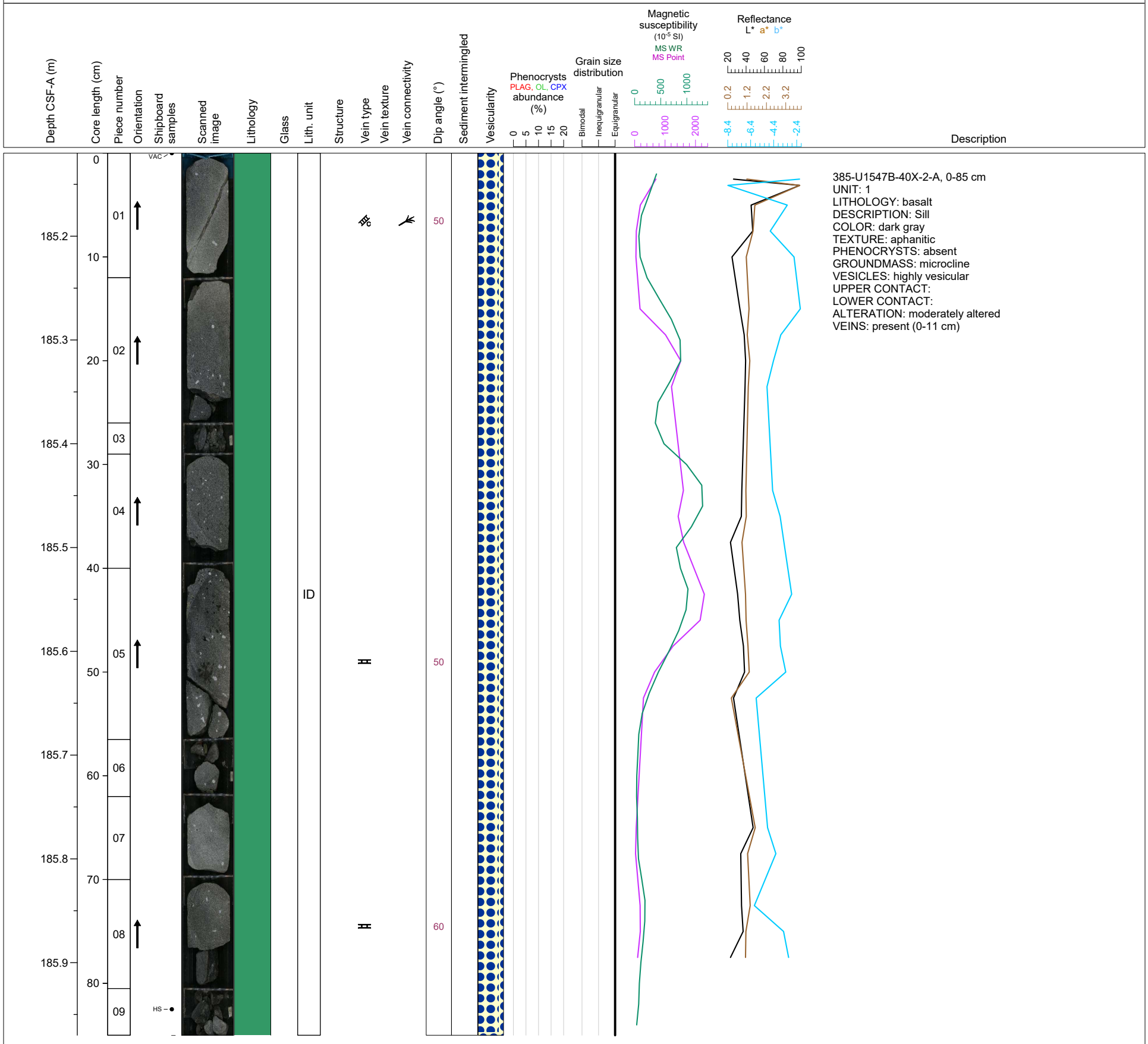
Hole 385-U1547B-39X Section 2, Top of Section: 181.15 m (CSF-A)



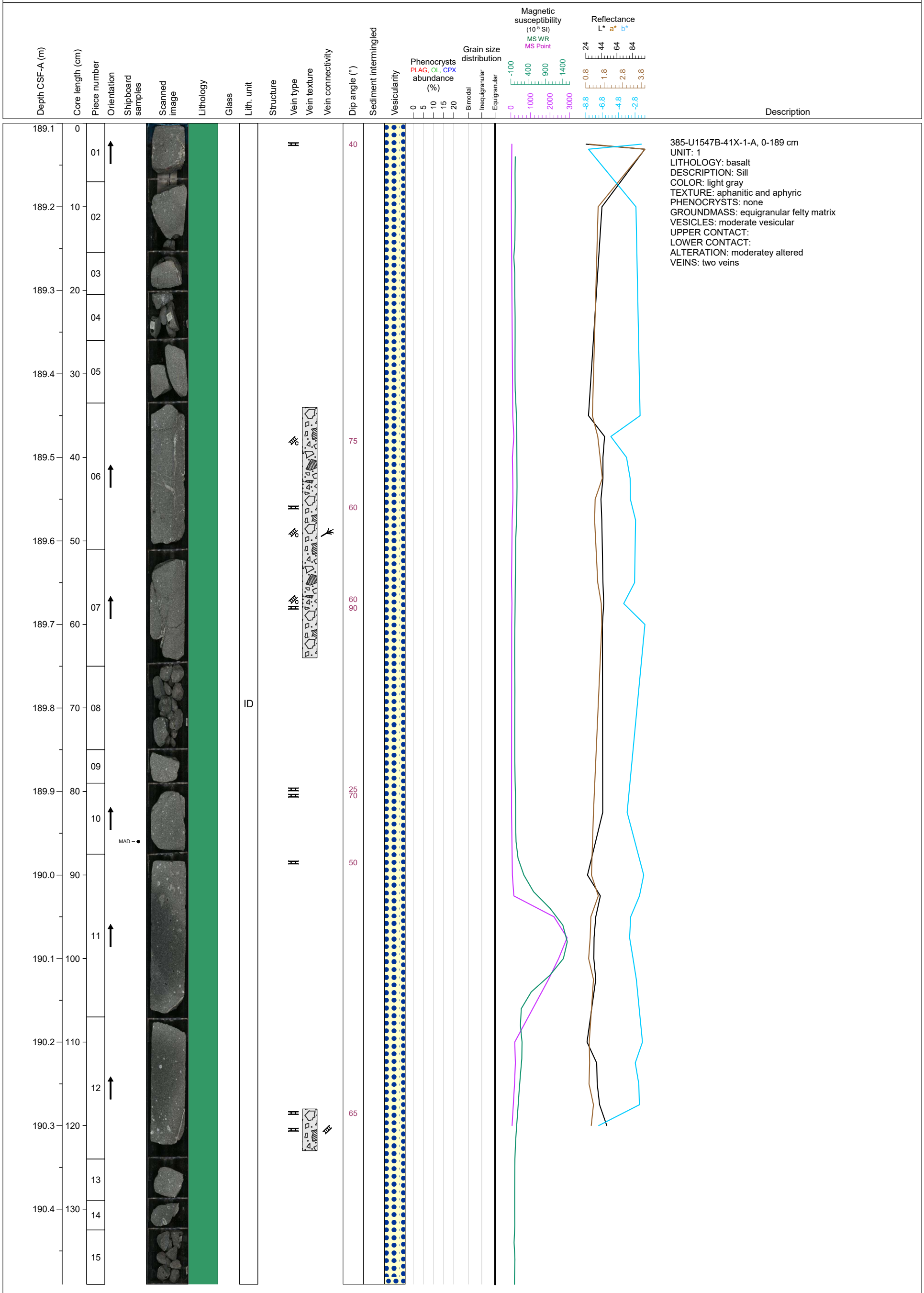
Hole 385-U1547B-40X Section 1, Top of Section: 183.7 m (CSF-A)



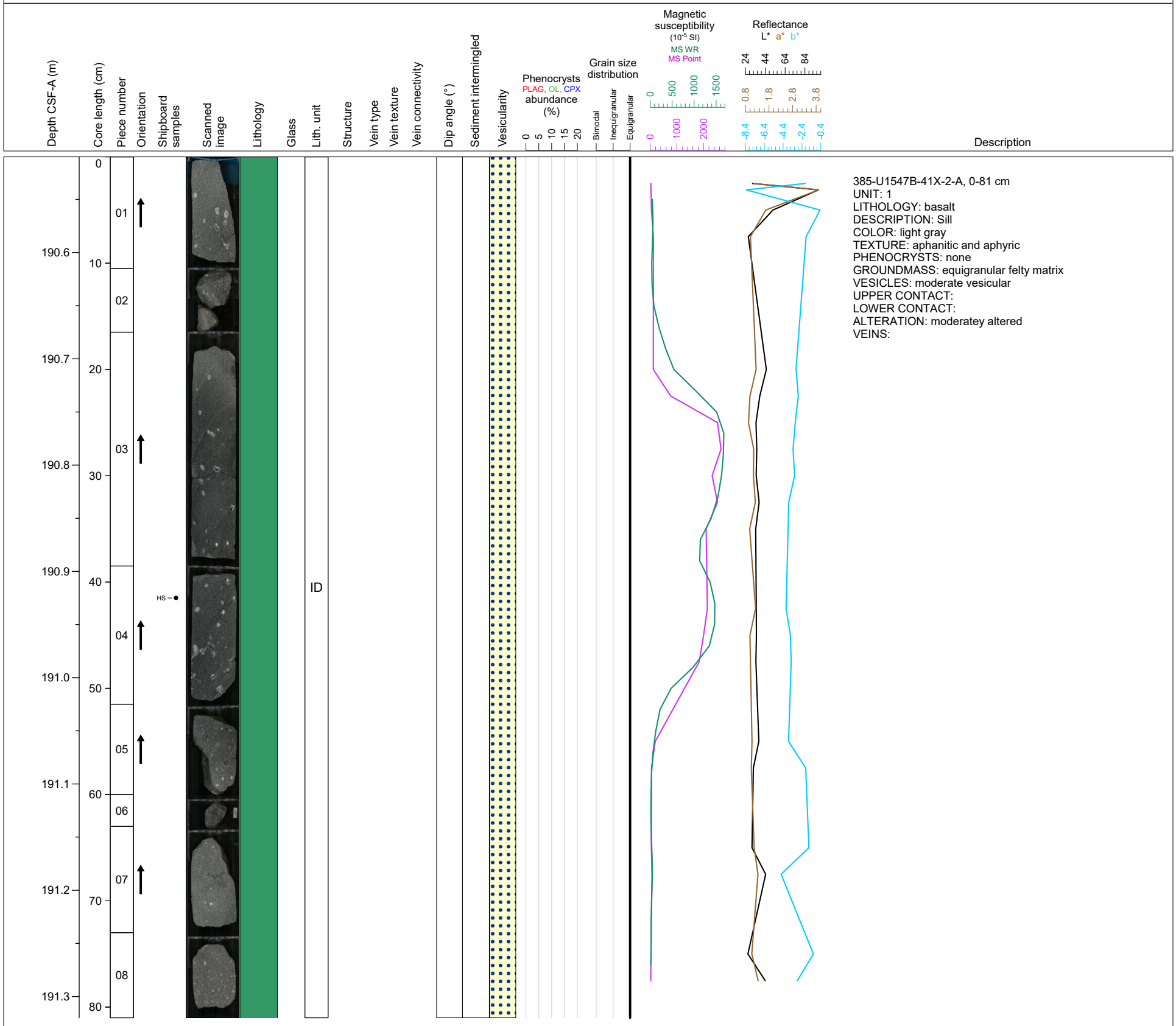
Hole 385-U1547B-40X Section 2, Top of Section: 185.1 m (CSF-A)



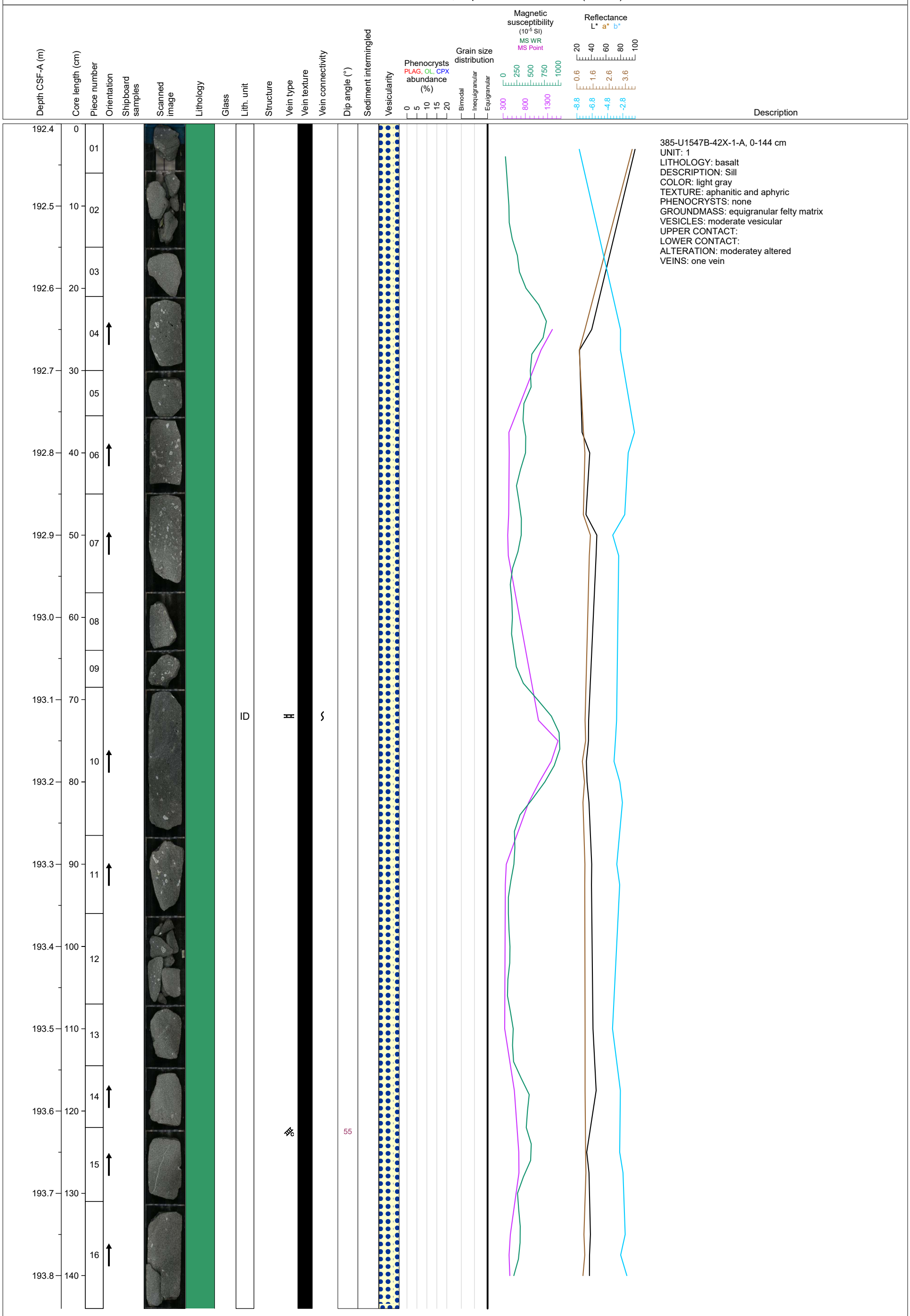
Hole 385-U1547B-41X Section 1, Top of Section: 189.1 m (CSF-A)



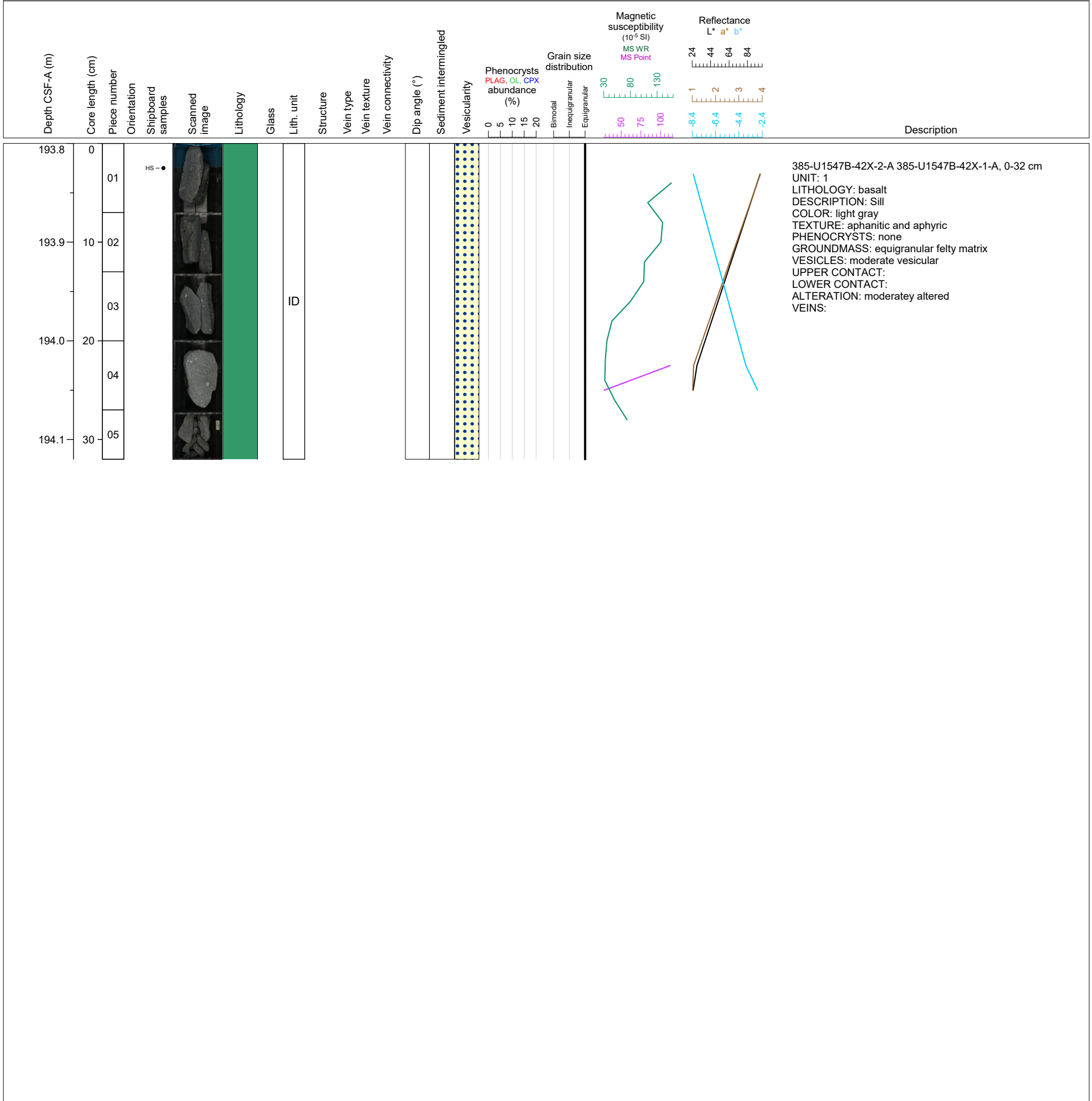
Hole 385-U1547B-41X Section 2, Top of Section: 190.49 m (CSF-A)



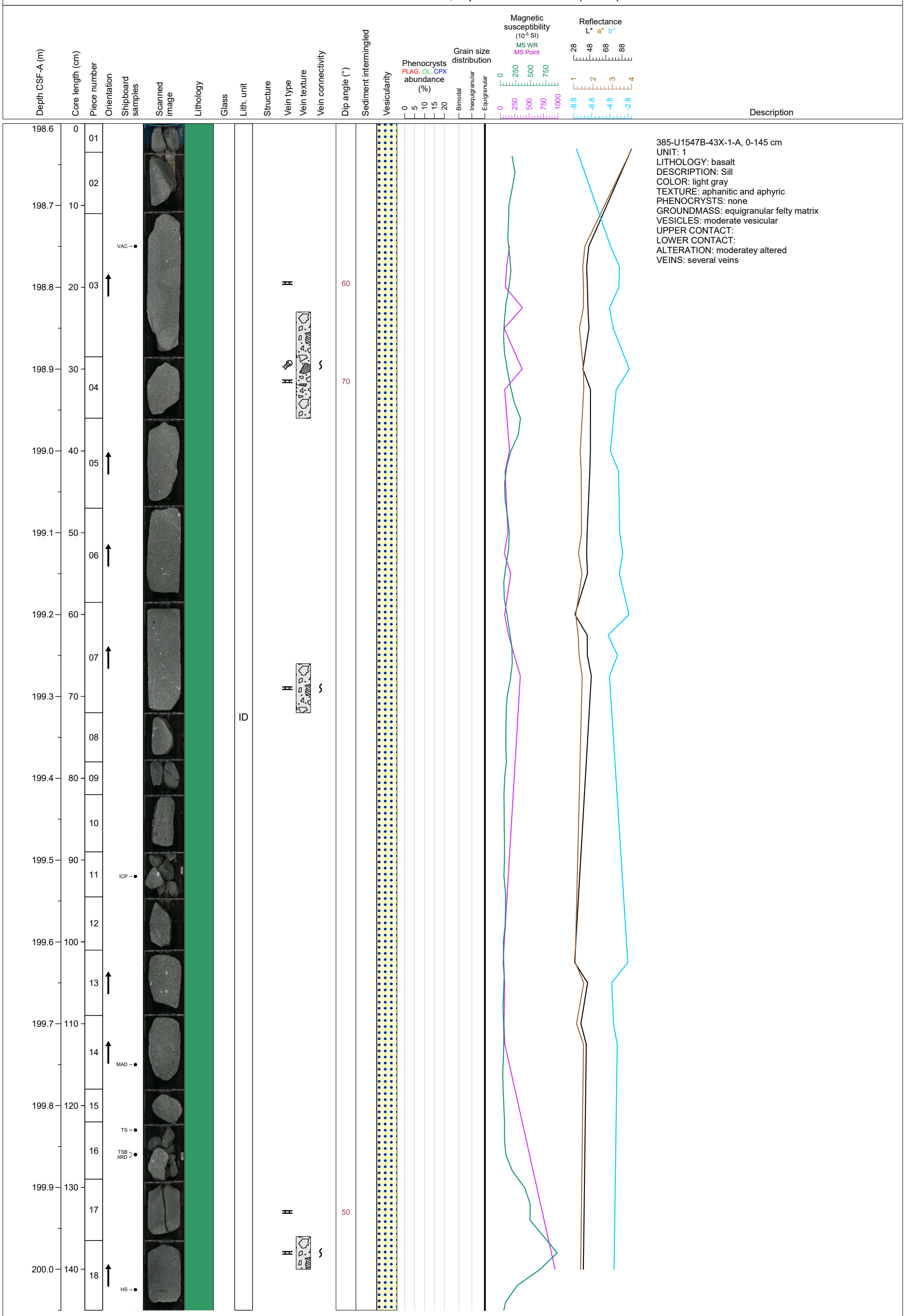
Hole 385-U1547B-42X Section 1, Top of Section: 192.4 m (CSF-A)



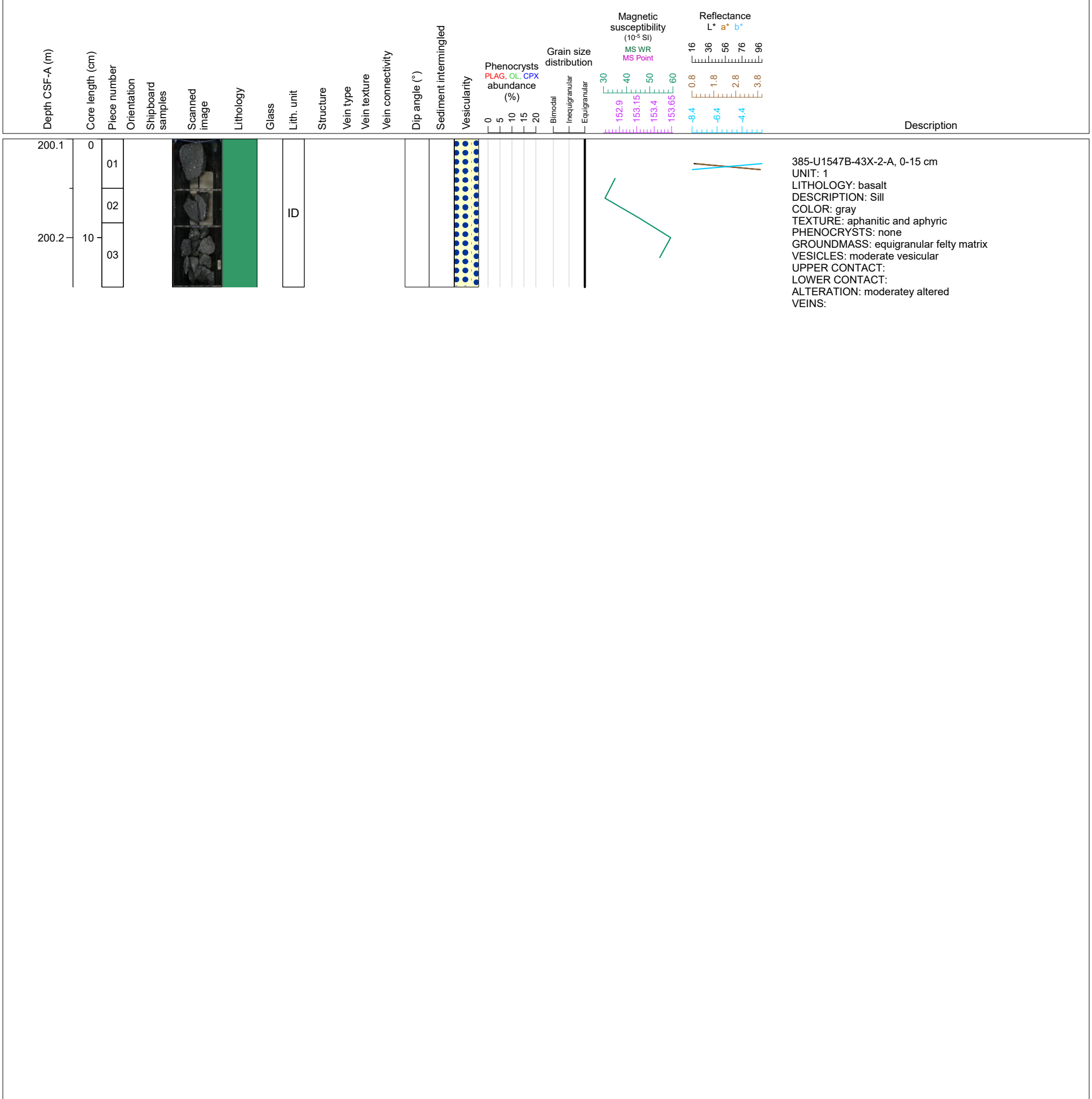
Hole 385-U1547B-42X Section 2, Top of Section: 193.84 m (CSF-A)



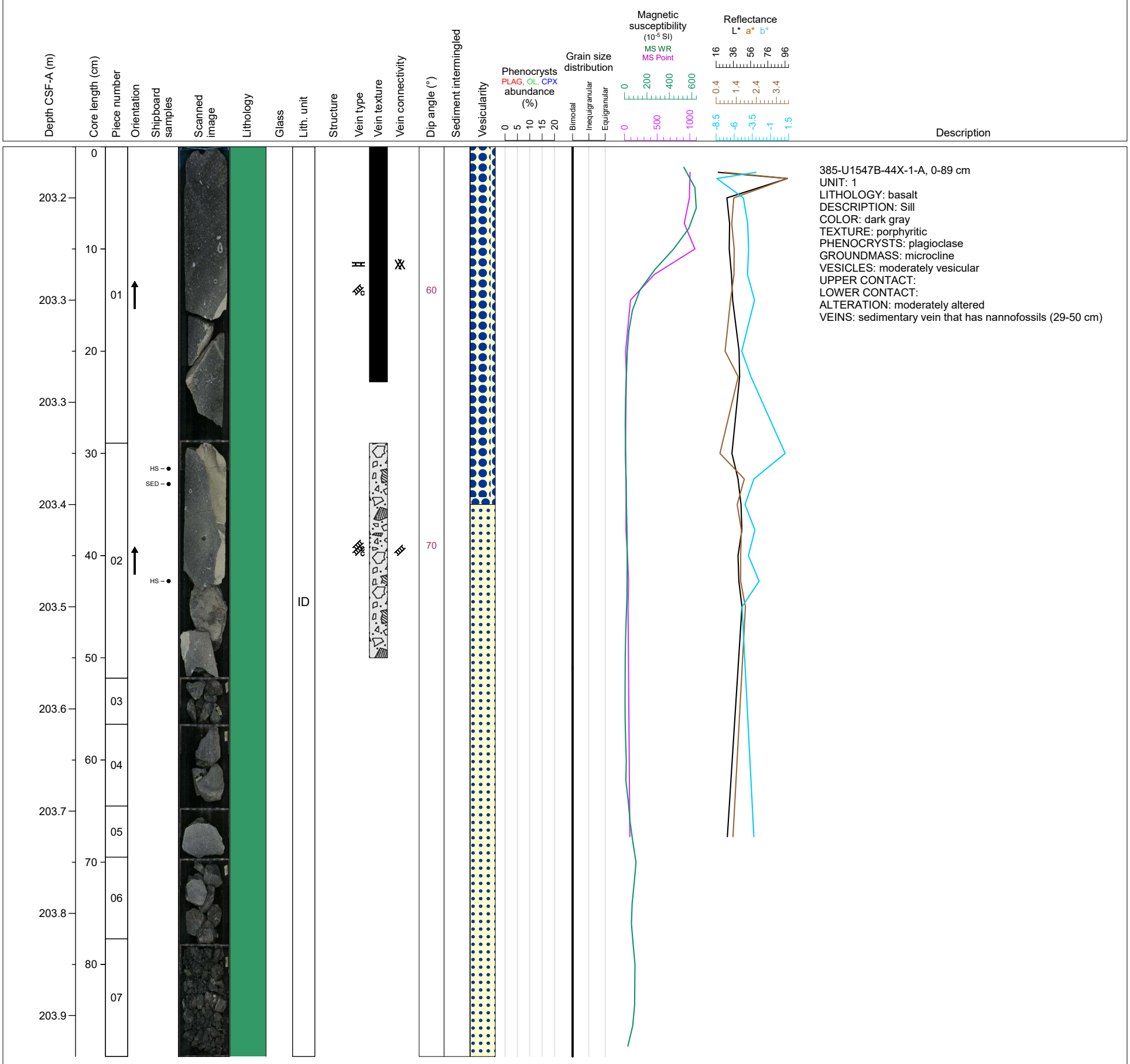
Hole 385-U1547B-43X Section 1, Top of Section: 198.6 m (CSF-A)



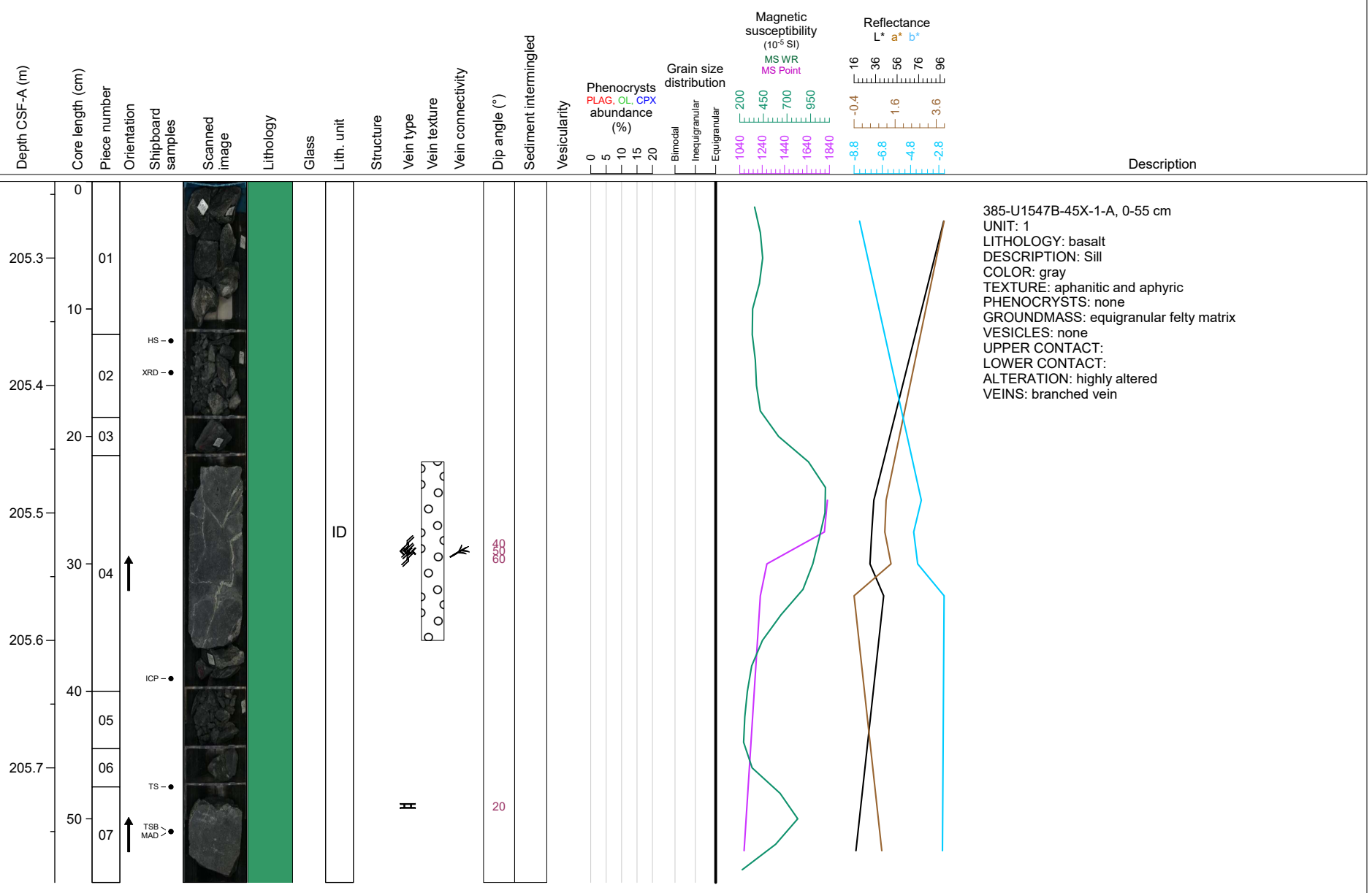
Hole 385-U1547B-43X Section 2, Top of Section: 200.05 m (CSF-A)



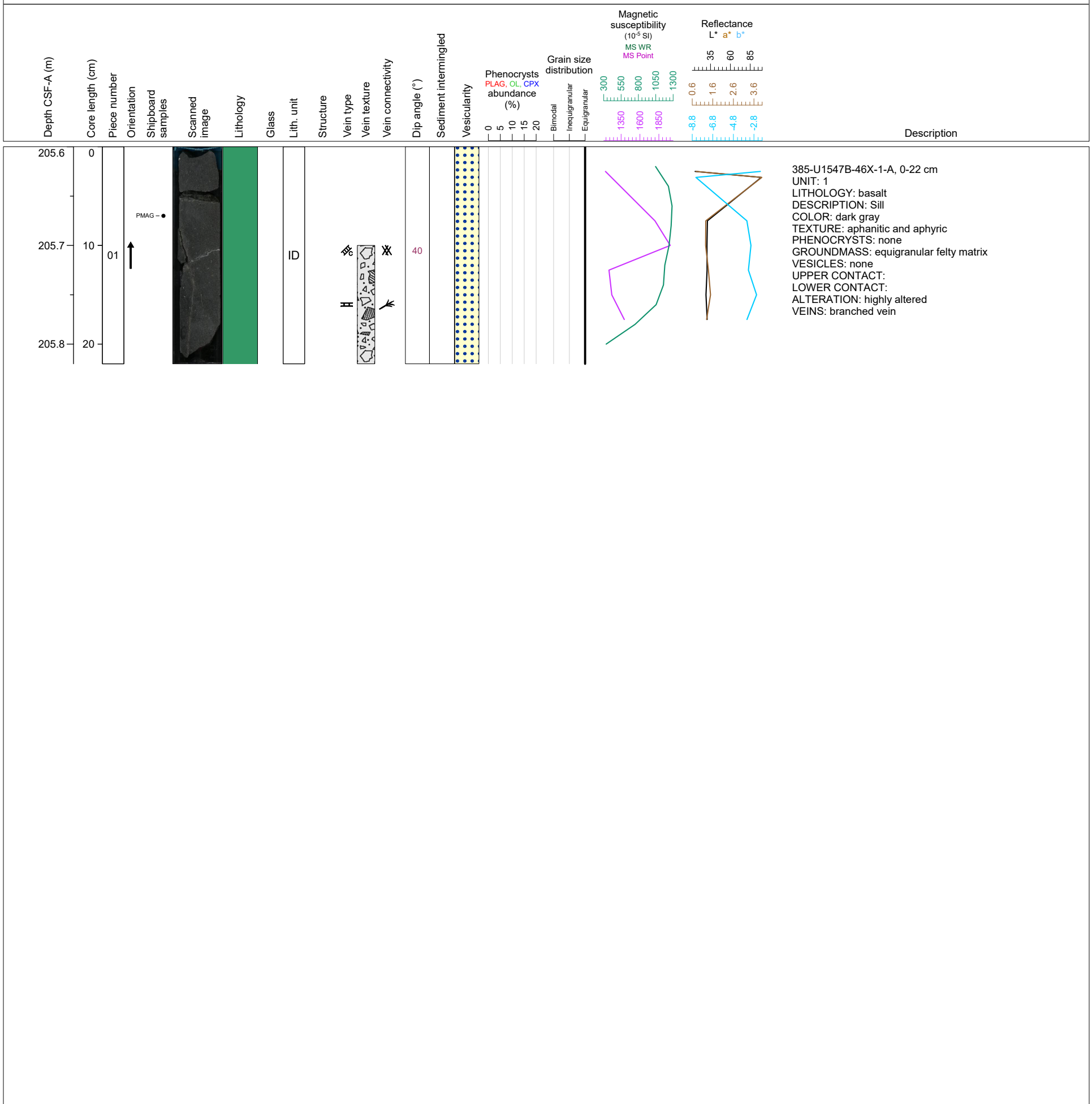
Hole 385-U1547B-44X Section 1, Top of Section: 203.1 m (CSF-A)



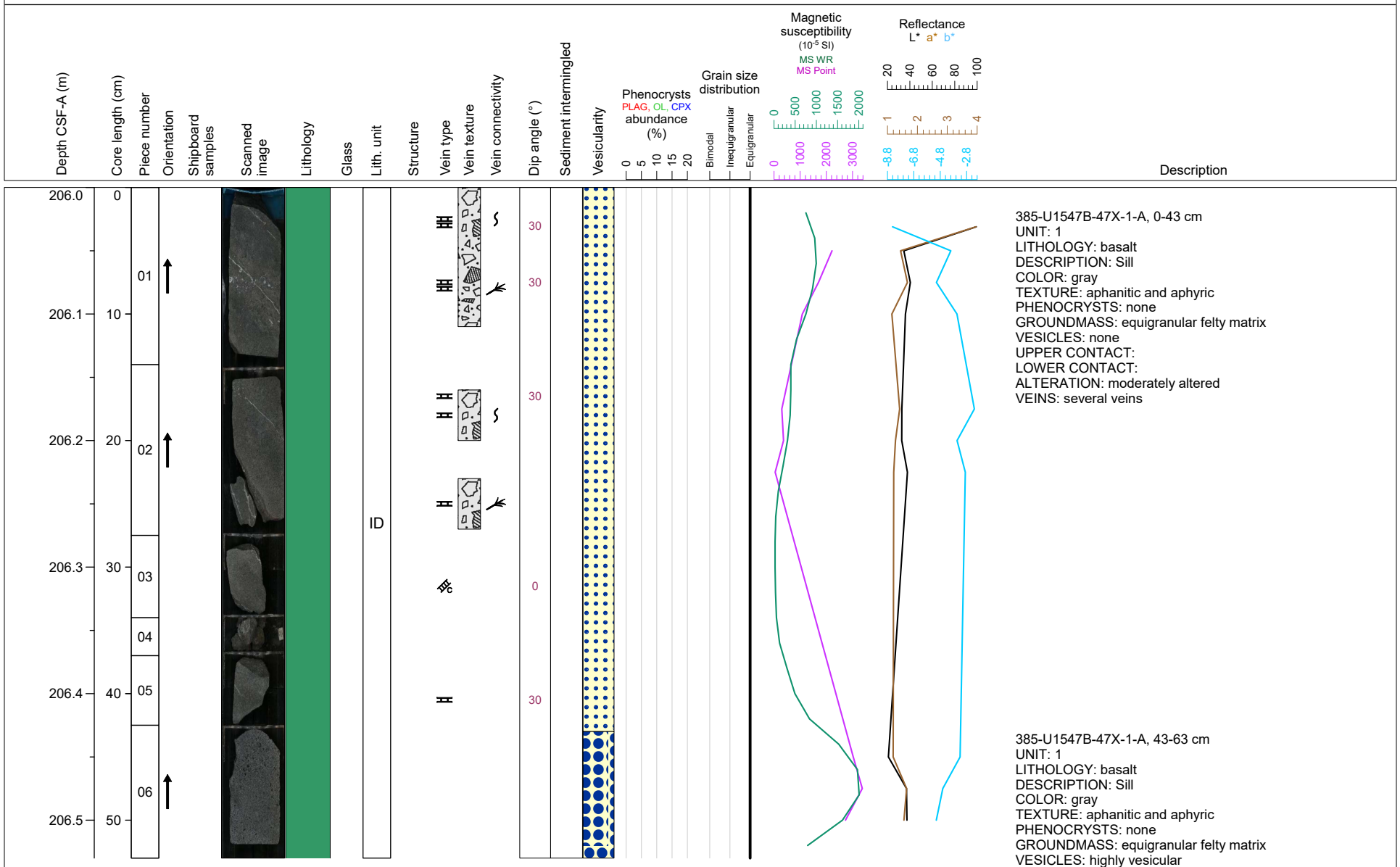
Hole 385-U1547B-45X Section 1, Top of Section: 205.2 m (CSF-A)



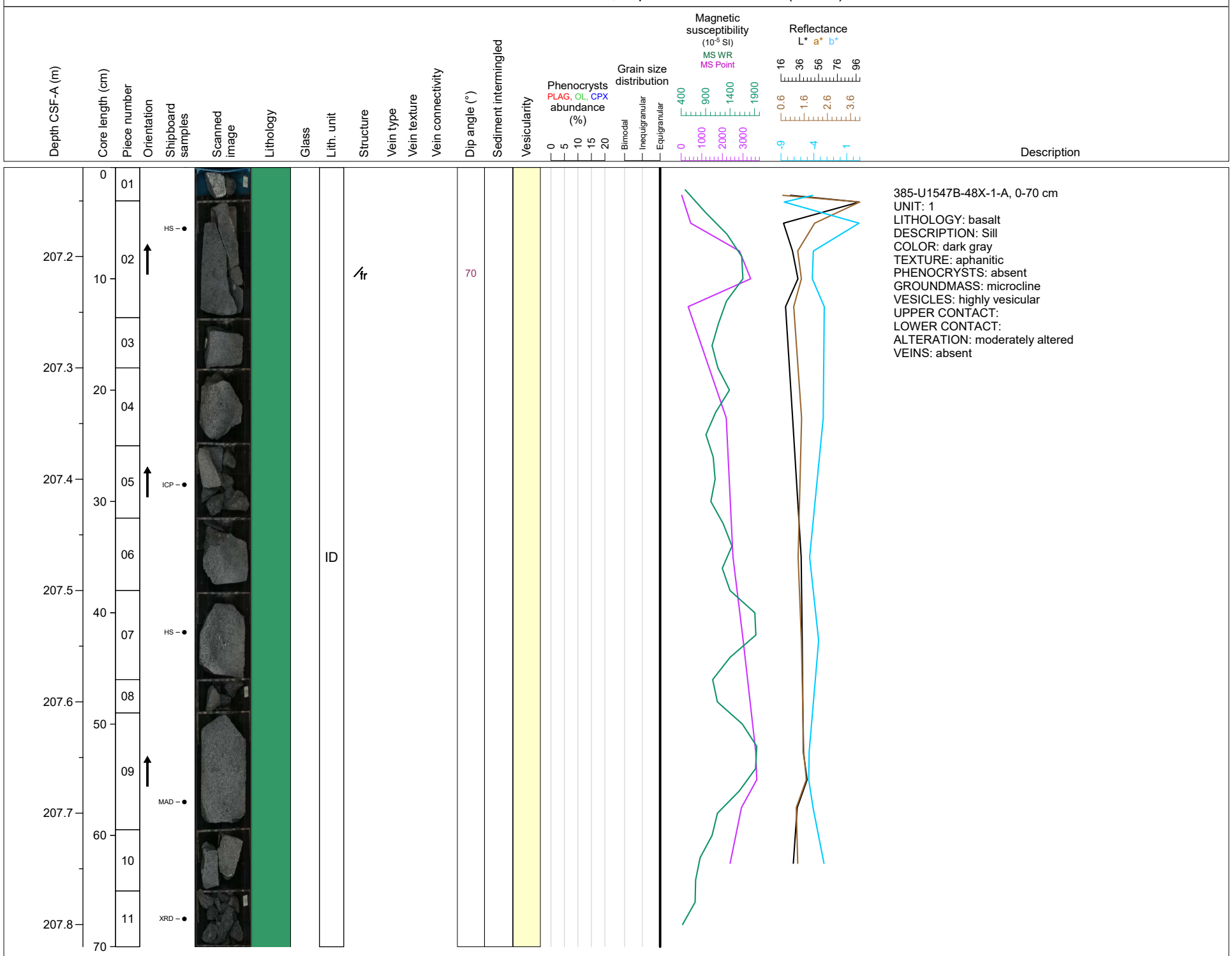
Hole 385-U1547B-46X Section 1, Top of Section: 205.6 m (CSF-A)



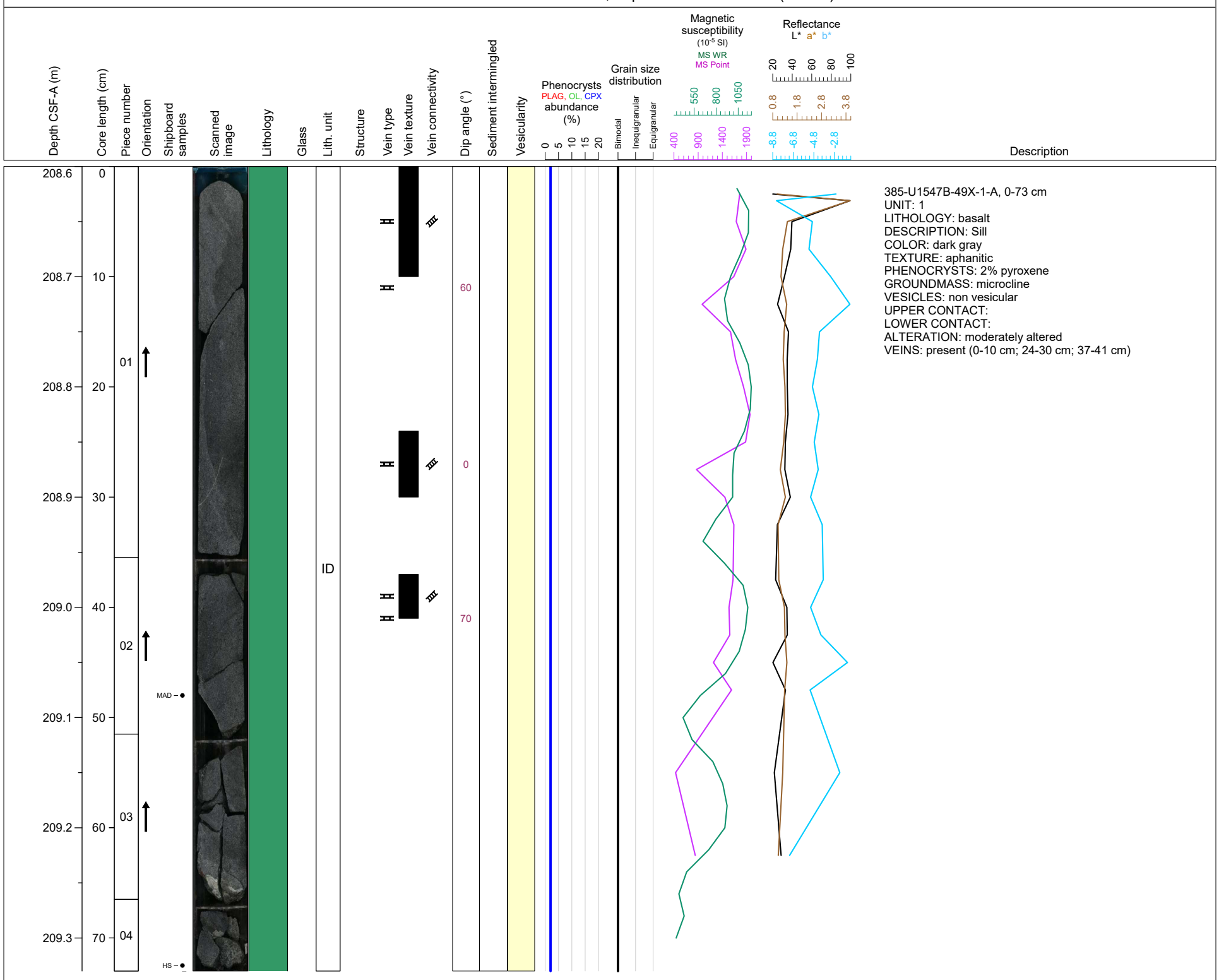
Hole 385-U1547B-47X Section 1, Top of Section: 206.0 m (CSF-A)



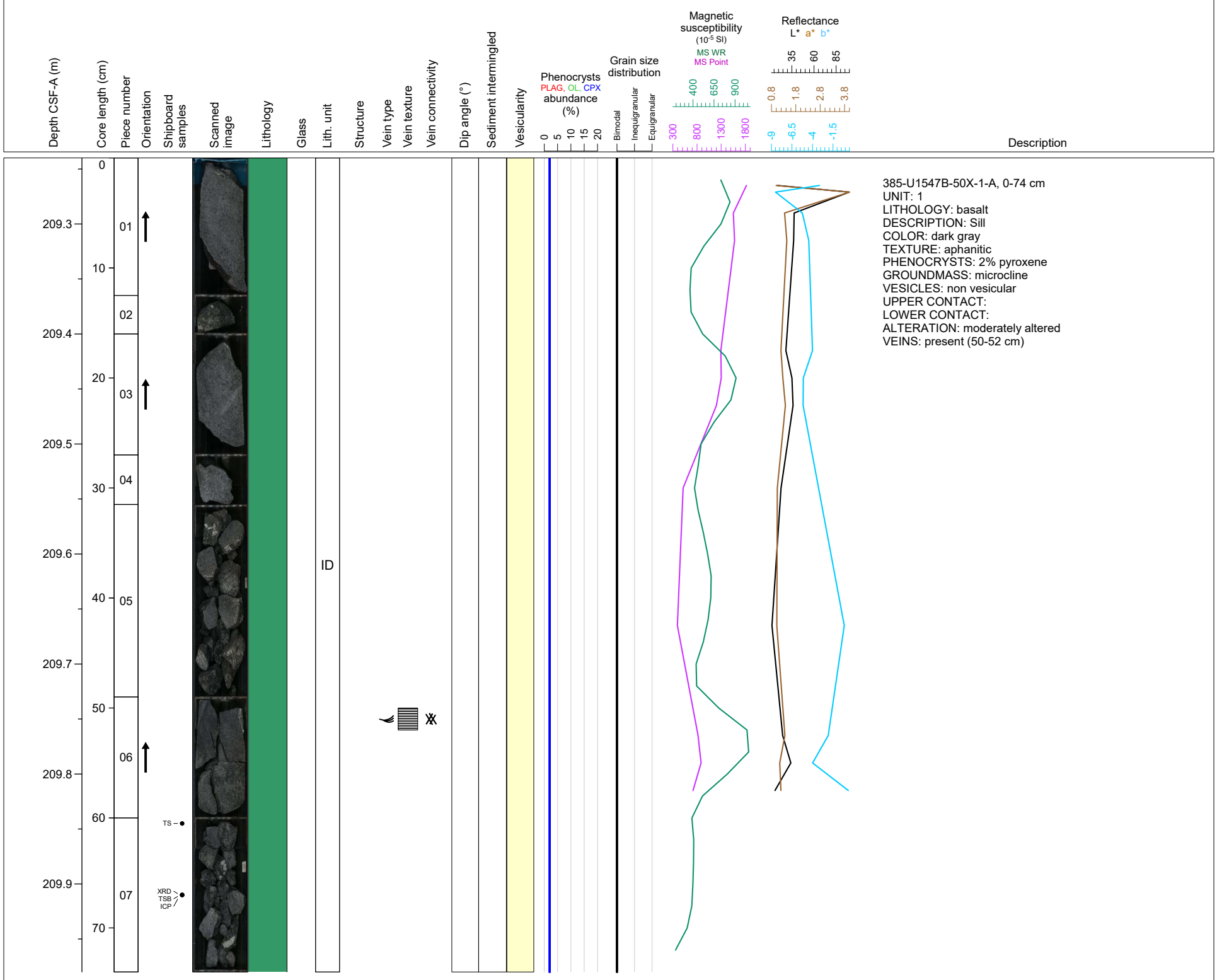
Hole 385-U1547B-48X Section 1, Top of Section: 207.1 m (CSF-A)



Hole 385-U1547B-49X Section 1, Top of Section: 208.6 m (CSF-A)



Hole 385-U1547B-50X Section 1, Top of Section: 209.2 m (CSF-A)



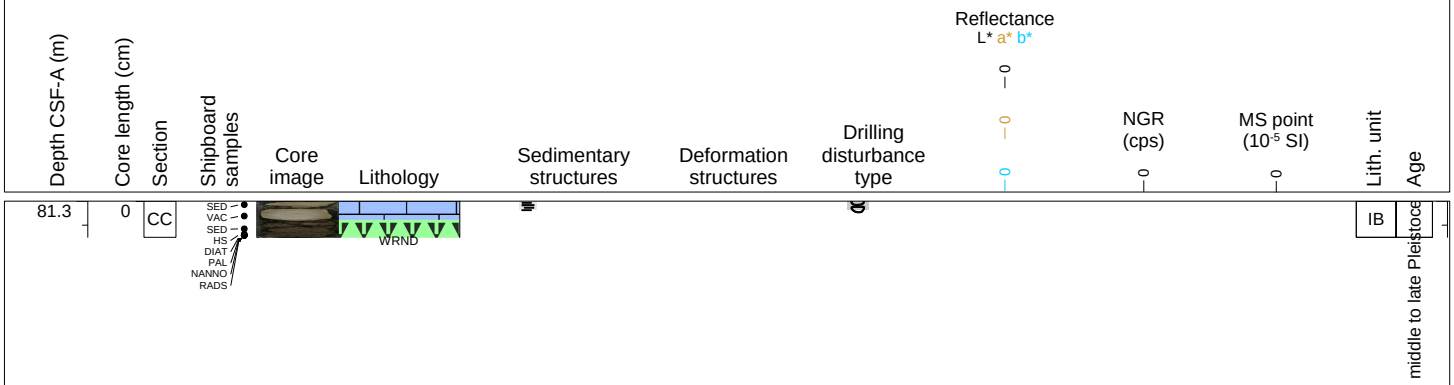
Hole 385-U1547C Core 11, Interval 0.0-0.0 m (CSF-A)

DRILLED INTERVAL 0.0-81.3 m

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Lithology	Sedimentary structures	Deformation structures	Drilling disturbance type	Reflectance L* a* b*	NGR (cps)	MS point (10^{-5} SI)	Lith. unit	Age
									0 0 0	0	0		

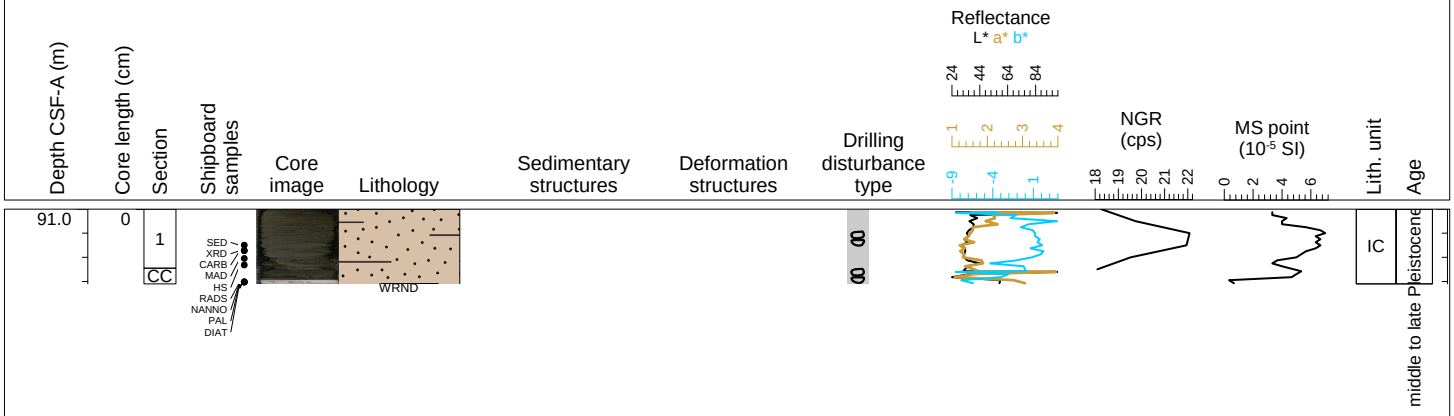
Hole 385-U1547C Core 2R, Interval 81.3-81.6 m (CSF-A)

This core consists of olive gray (5Y 5/2) LIMESTONE/DOLOSTONE with laminae and burrows on top of the section CC and olive gray (5Y 3/2) MICRITE-BEARING DIATOM OOZE.



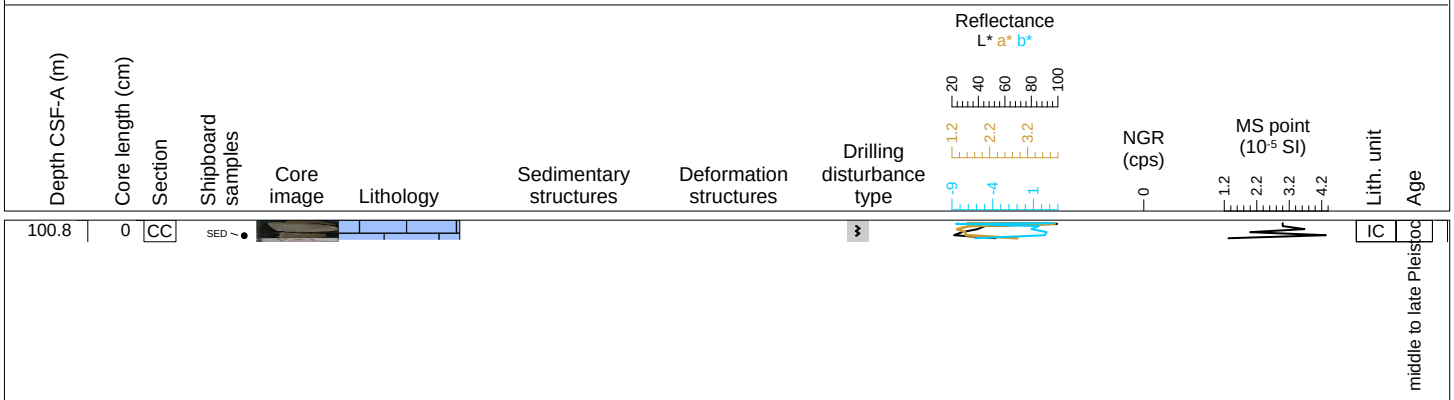
Hole 385-U1547C Core 3R, Interval 91.0-91.62 m (CSF-A)

This core consists of intensely fractured and biscuited olive gray (5Y 3/2) DIATOM SILTY CLAY.



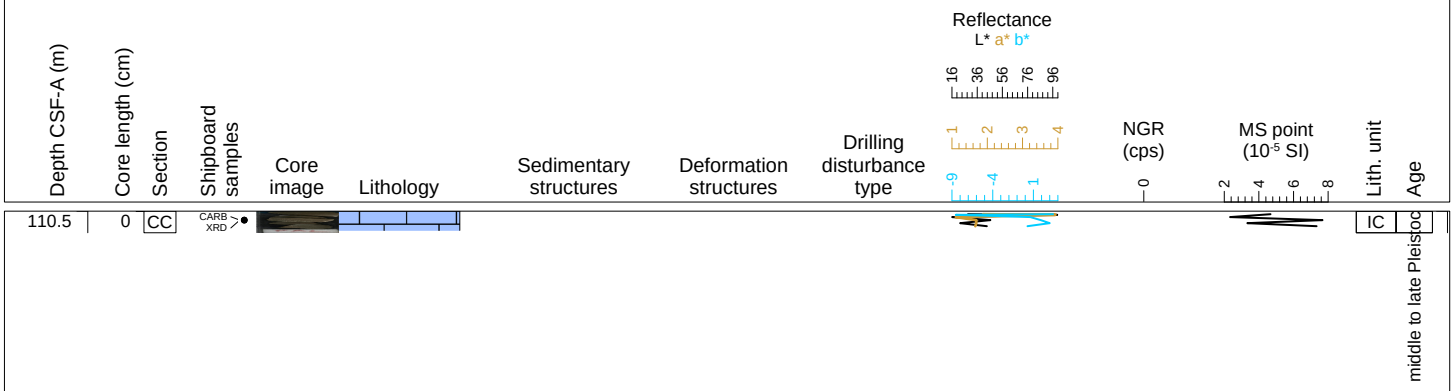
Hole 385-U1547C Core 4R, Interval 100.8-100.98 m (CSF-A)

This core consists of olive gray (5Y 4/1) LIMESTONE/DOLOSTONE.



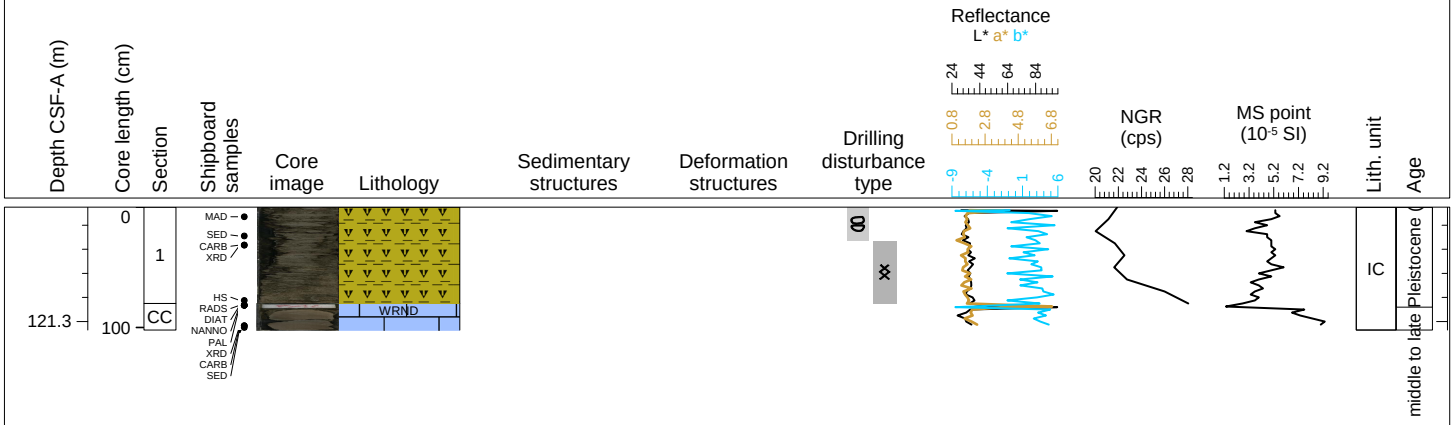
Hole 385-U1547C Core 5R, Interval 110.5-110.68 m (CSF-A)

This core consists of olive gray (5Y 4/1) LIMESTONE/DOLOSTONE.



Hole 385-U1547C Core 6R, Interval 120.3-121.32 m (CSF-A)

This core consists of intensely fractured and biscuited olive gray (5Y 3/2) NANOFOSSIL-RICH DIATOM CLAY, and light olive gray (5Y 5/2) LIMESTONE/DOLOSTONE.



Hole 385-U1547C-7R Section 1, Top of Section: 130.0 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) 0 5 10 15 20 | Grain size distribution Bimodal Inequigranular Equigranular | Magnetic susceptibility (10^{-5} SI) MS WR MS Point 0 50 100 150 200 40 90 | Reflectance L* a* b* 35 60 85 0.6 1.6 2.6 3.6 -4 1 | Description

130.0 m (0 cm) — 01 — PFT, XRD, SED

130.1 m (10 cm) — 02

130.2 m (20 cm) — 03 — G

130.3 m (30 cm) — 04, 05, 06

130.4 m (40 cm) — 07 — TS, PMAG, TSB; G

130.5 m (50 cm) — 08

130.6 m (60 cm) — 09

130.7 m (70 cm) — 10 — VAC; 11 — VAC

130.8 m (80 cm) — 12 — MUD; G

130.9 m (90 cm) — 13

131.0 m (100 cm)

131.1 m (110 cm) — 14

131.2 m (120 cm) — 15, 16; G

131.3 m (130 cm) — 17

131.4 m (140 cm) — 18

131.5 m (150 cm)

Glass: G

Lith. unit: IC

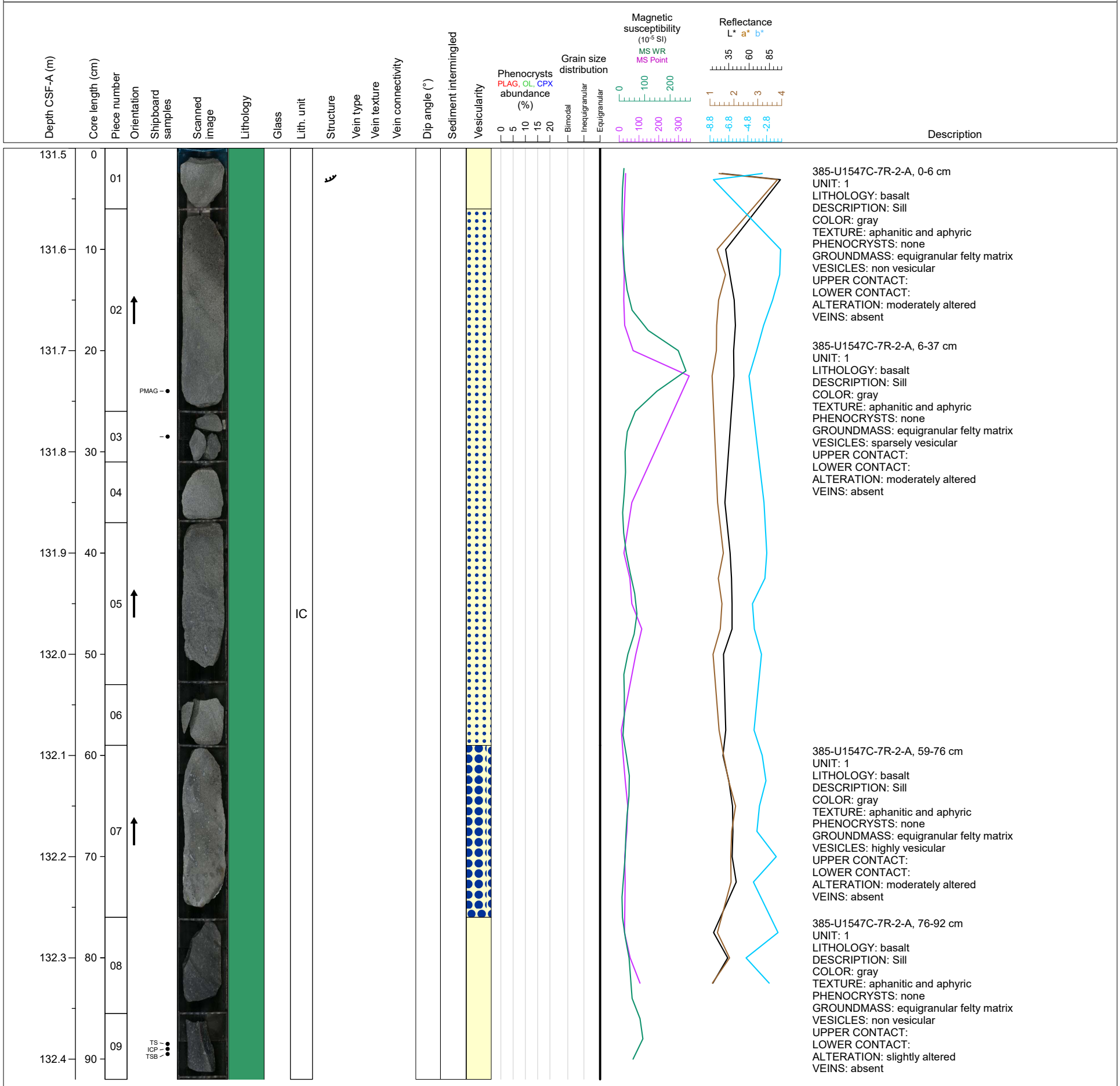
Structure: G; G; S

Vesicularity: S

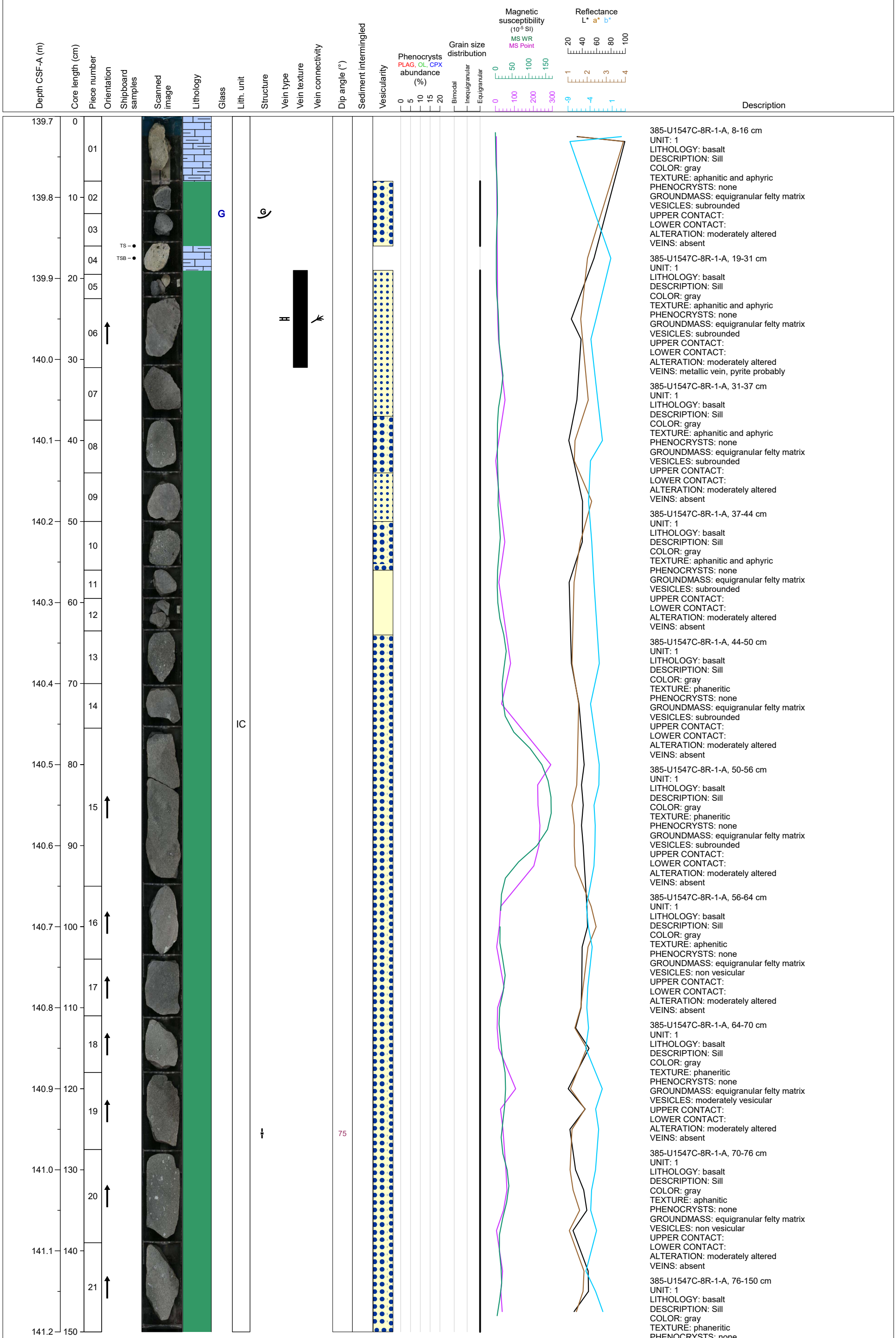
385-U1547C-7R-1-A, 0-11 cm
UNIT: 1
LITHOLOGY: limestone/dolostone
DESCRIPTION:
COLOR: yellowish gray

385-U1547C-7R-1-A, 11-150 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: felty
VESICLES: sparsely vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately to highly altered
VEINS: Y
Comments: peperite and brecciated basalt intervals appear with glass margin. Description of intervals subjected to microbiology sampling were based on fragments that remained from sample processing, pertaining to offset from 72 to 78 cm.

Hole 385-U1547C-7R Section 2, Top of Section: 131.5 m (CSF-A)



Hole 385-U1547C-8R Section 1, Top of Section: 139.7 m (CSF-A)



385-U1547C-8R-1-A, 8-16 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphanitic and aphyric
PHENOCRYSTS: none
GROUNDMASS: equigranular felty matrix
VESICLES: subrounded
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: absent

385-U1547C-8R-1-A, 19-31 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphanitic and aphyric
PHENOCRYSTS: none
GROUNDMASS: equigranular felty matrix
VESICLES: subrounded
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: metallic vein, pyrite probably

385-U1547C-8R-1-A, 31-37 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphanitic and aphyric
PHENOCRYSTS: none
GROUNDMASS: equigranular felty matrix
VESICLES: subrounded
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: absent

385-U1547C-8R-1-A, 37-44 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphanitic and aphyric
PHENOCRYSTS: none
GROUNDMASS: equigranular felty matrix
VESICLES: subrounded
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: absent

385-U1547C-8R-1-A, 44-50 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: phaneritic
PHENOCRYSTS: none
GROUNDMASS: equigranular felty matrix
VESICLES: subrounded
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: absent

385-U1547C-8R-1-A, 50-56 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: phaneritic
PHENOCRYSTS: none
GROUNDMASS: equigranular felty matrix
VESICLES: subrounded
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: absent

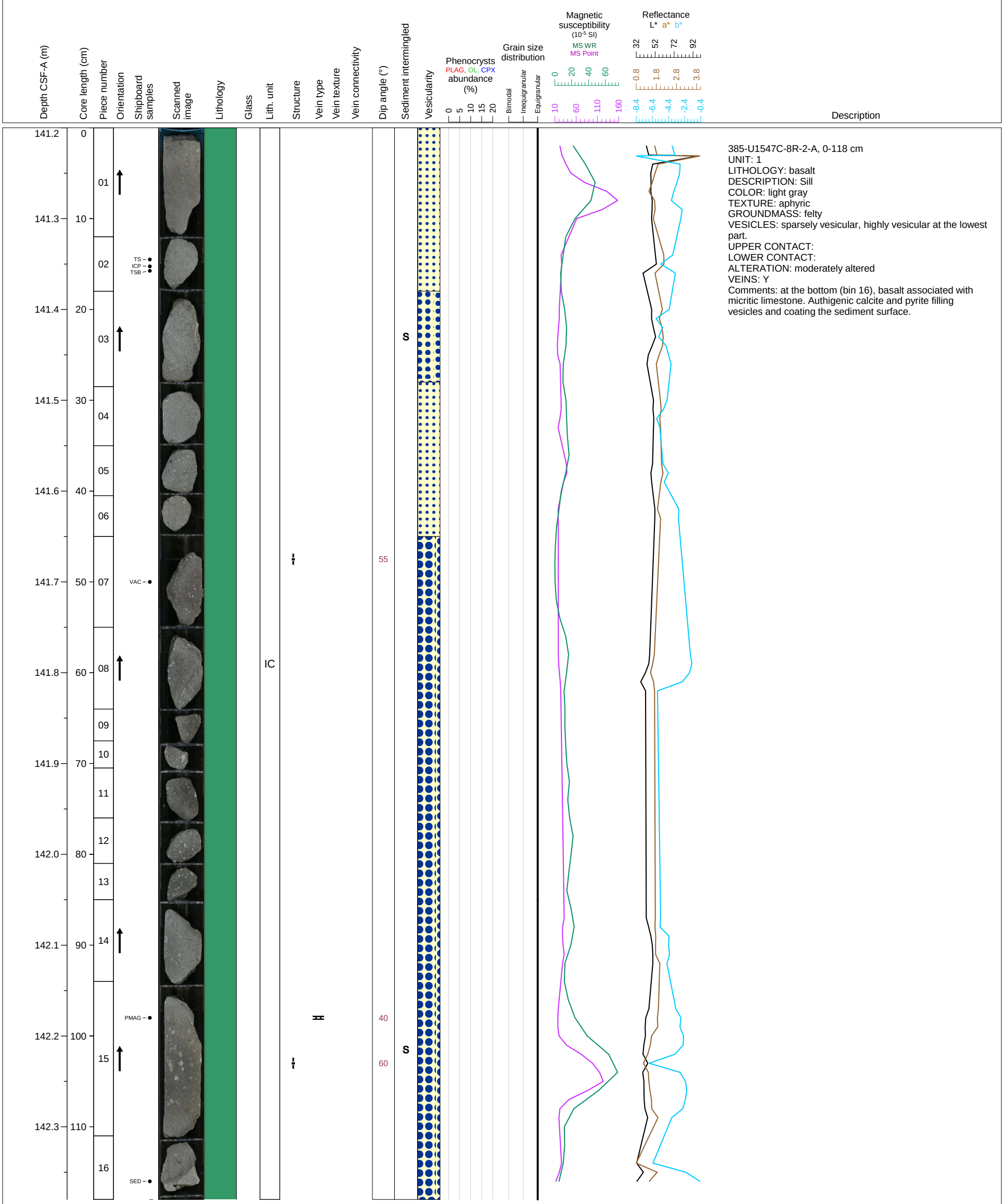
385-U1547C-8R-1-A, 56-64 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphenitic
PHENOCRYSTS: none
GROUNDMASS: equigranular felty matrix
VESICLES: non vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: absent

385-U1547C-8R-1-A, 64-70 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: phaneritic
PHENOCRYSTS: none
GROUNDMASS: equigranular felty matrix
VESICLES: moderately vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: absent

385-U1547C-8R-1-A, 70-76 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphanitic
PHENOCRYSTS: none
GROUNDMASS: equigranular felty matrix
VESICLES: non vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: absent

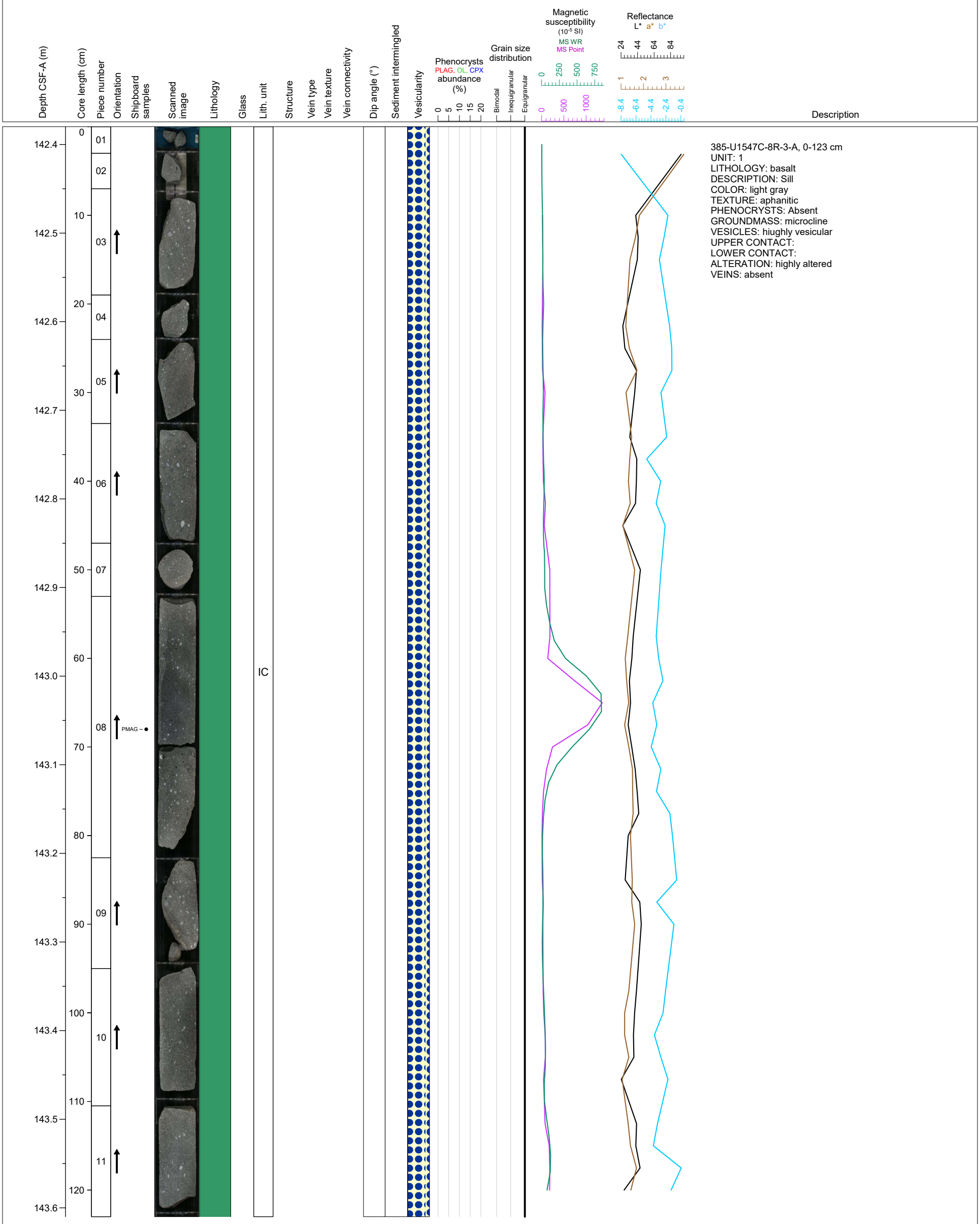
385-U1547C-8R-1-A, 76-150 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: phaneritic
PHENOCRYSTS: none
GROUNDMASS: equigranular felty matrix
VESICLES: non vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: absent

Hole 385-U1547C-8R Section 2, Top of Section: 141.2 m (CSF-A)



385-U1547C-8R-2-A, 0-118 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: light gray
TEXTURE: aphyric
GROUNDMASS: felty
VESICLES: sparsely vesicular, highly vesicular at the lowest part.
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: Y
Comments: at the bottom (bin 16), basalt associated with micritic limestone. Authigenic calcite and pyrite filling vesicles and coating the sediment surface.

Hole 385-U1547C-8R Section 3, Top of Section: 142.38 m (CSF-A)



Hole 385-U1547C-9R Section 1, Top of Section: 149.5 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution | Magnetic susceptibility (10^{-5} SI) MS WR MS Point | Reflectance L* a* b* | Description

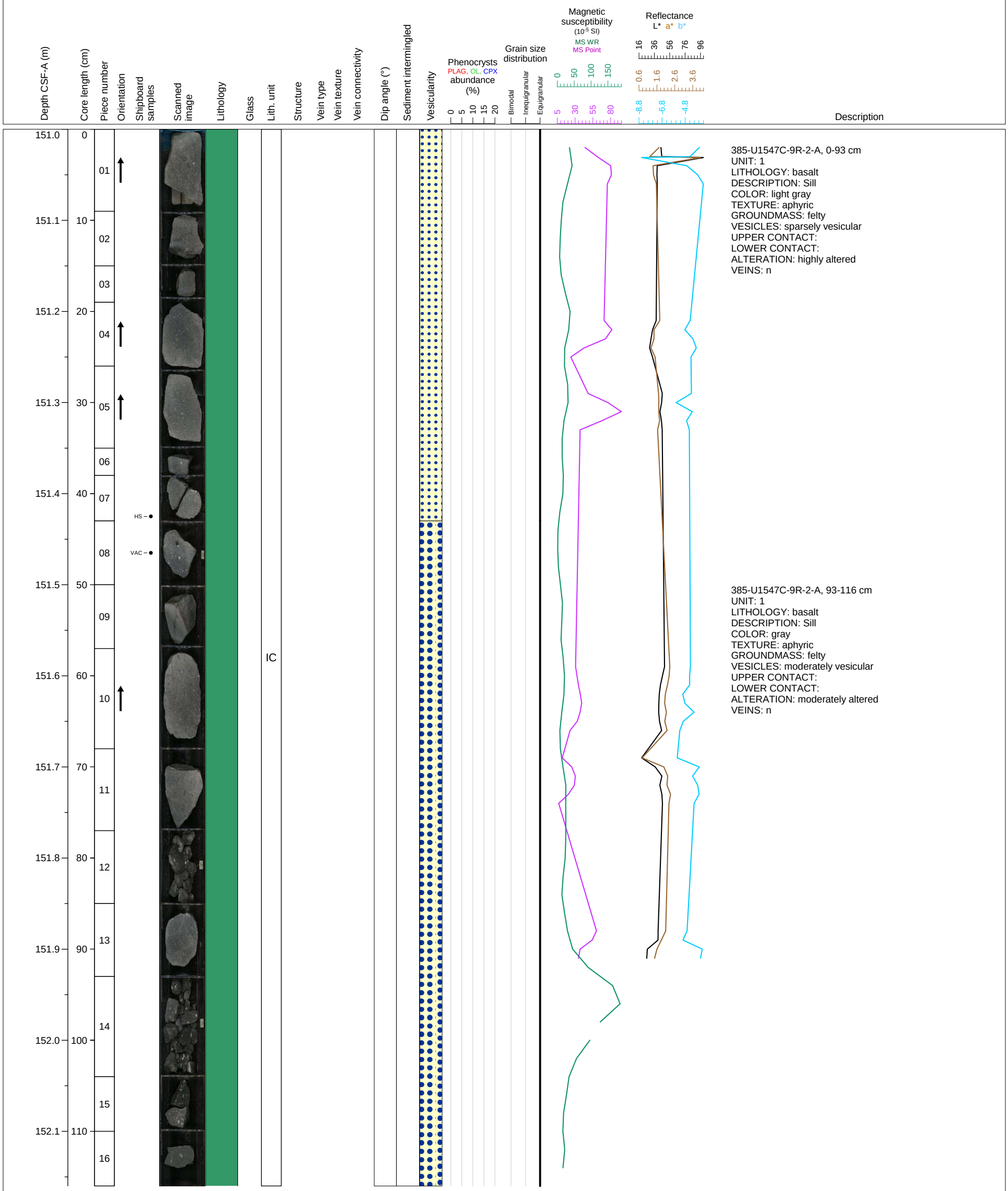
149.5 0 01
149.6 10 02 PMAG
149.7 20 03
149.8 30 04
149.9 40 05 06 07
150.0 50 08
150.1 60 09 10
150.2 70 11
150.3 80 12
150.4 90 13
150.5 100 14 15
150.6 110 16 17
150.7 120 18
150.8 130 19 20
150.9 140 21
151.0 150 22

Dip angle (°): 30

Lith. unit: IC

385-U1547C-9R-1-A, 0-150 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: light gray
TEXTURE: aphanitic
PHENOCRYSTS: Absent
GROUNDMASS: microcline
VESICLES: moderately vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: absent

Hole 385-U1547C-9R Section 2, Top of Section: 151.0 m (CSF-A)



385-U1547C-9R-2-A, 0-93 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: light gray
TEXTURE: aphyric
GROUNDMASS: felty
VESICLES: sparsely vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: highly altered
VEINS: n

385-U1547C-9R-2-A, 93-116 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: felty
VESICLES: moderately vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: n

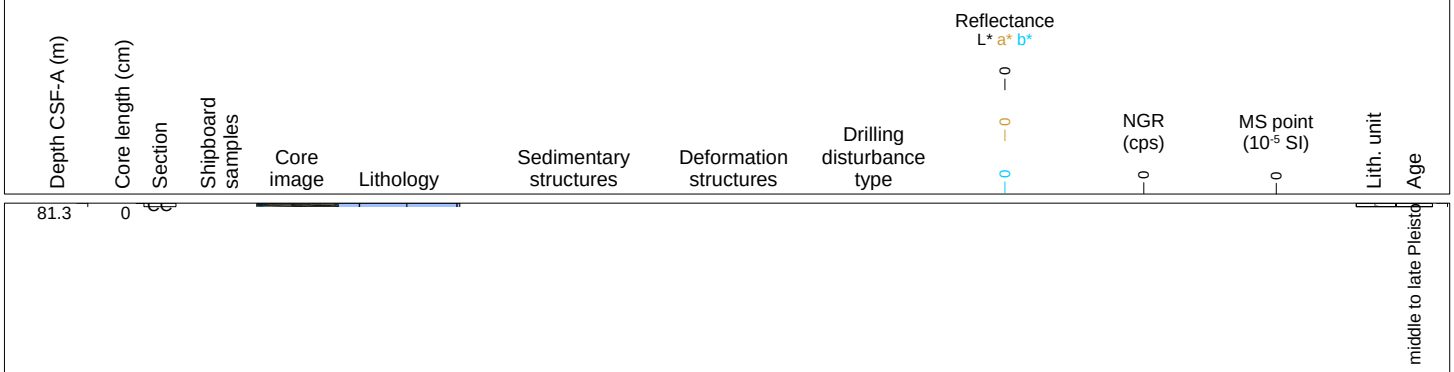
Hole 385-U1547D Core 11, Interval 0.0-0.0 m (CSF-A)

DRILLED INTERVAL 0.0-81.3 m

Depth CSF-A (m) | Core length (cm) | Section | Shipboard samples | Core image | Lithology | Sedimentary structures | Deformation structures | Drilling disturbance type | Reflectance L* a* b* (0 | 0 | 0) | NGR (cps) (0) | MS point (10^{-5} SI) (0) | Lith. unit | Age

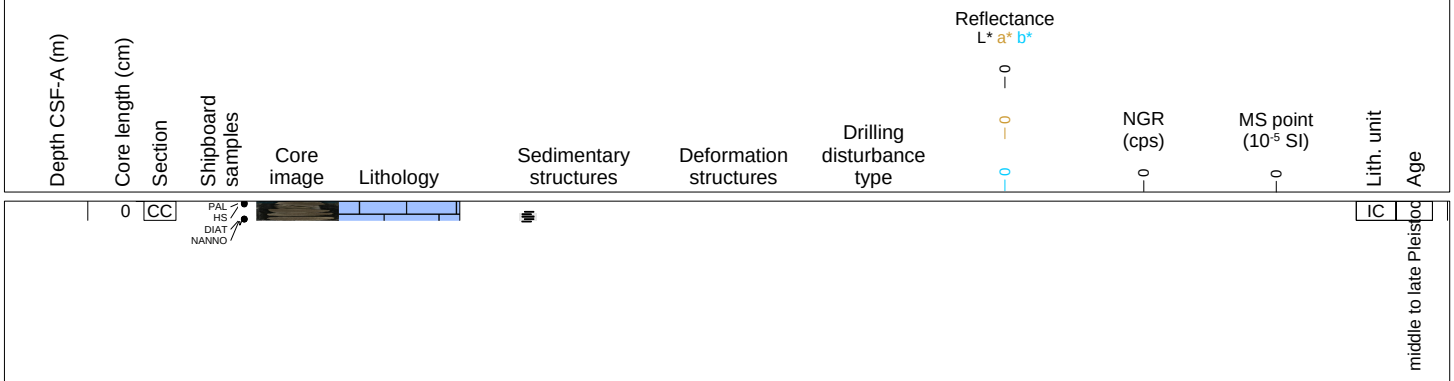
Hole 385-U1547D Core 2R, Interval 81.3-81.33 m (CSF-A)

This core consists of light olive gray (5Y5/2) broken pieces of DOLOMITE.



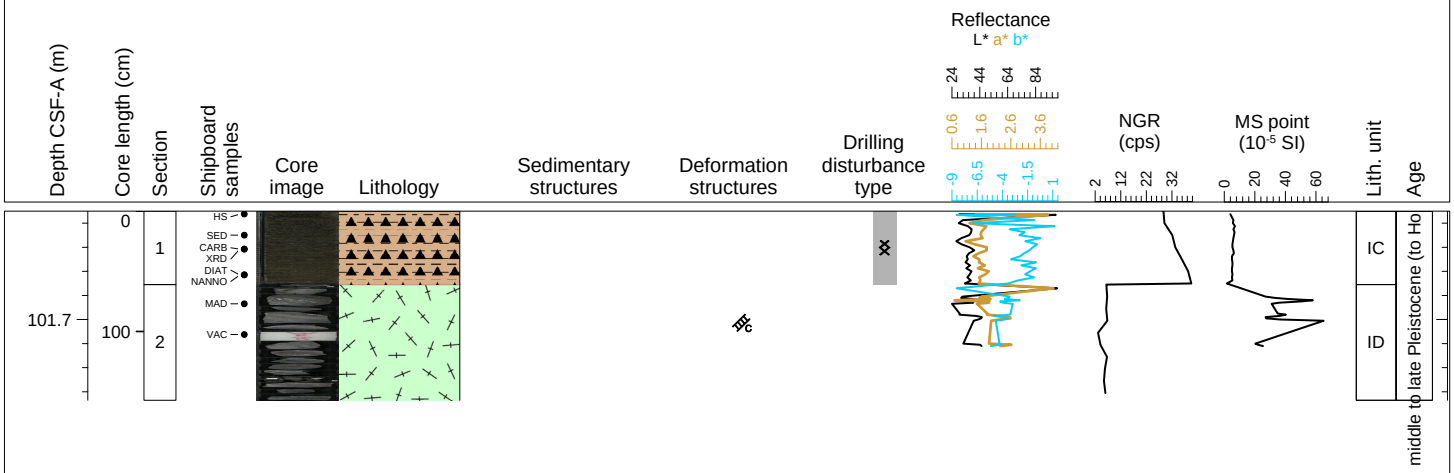
Hole 385-U1547D Core 3R, Interval 91.1-91.26 m (CSF-A)

This core consists of light olive gray (5Y 5/2) broken pieces of DOLOMITE with lamination.

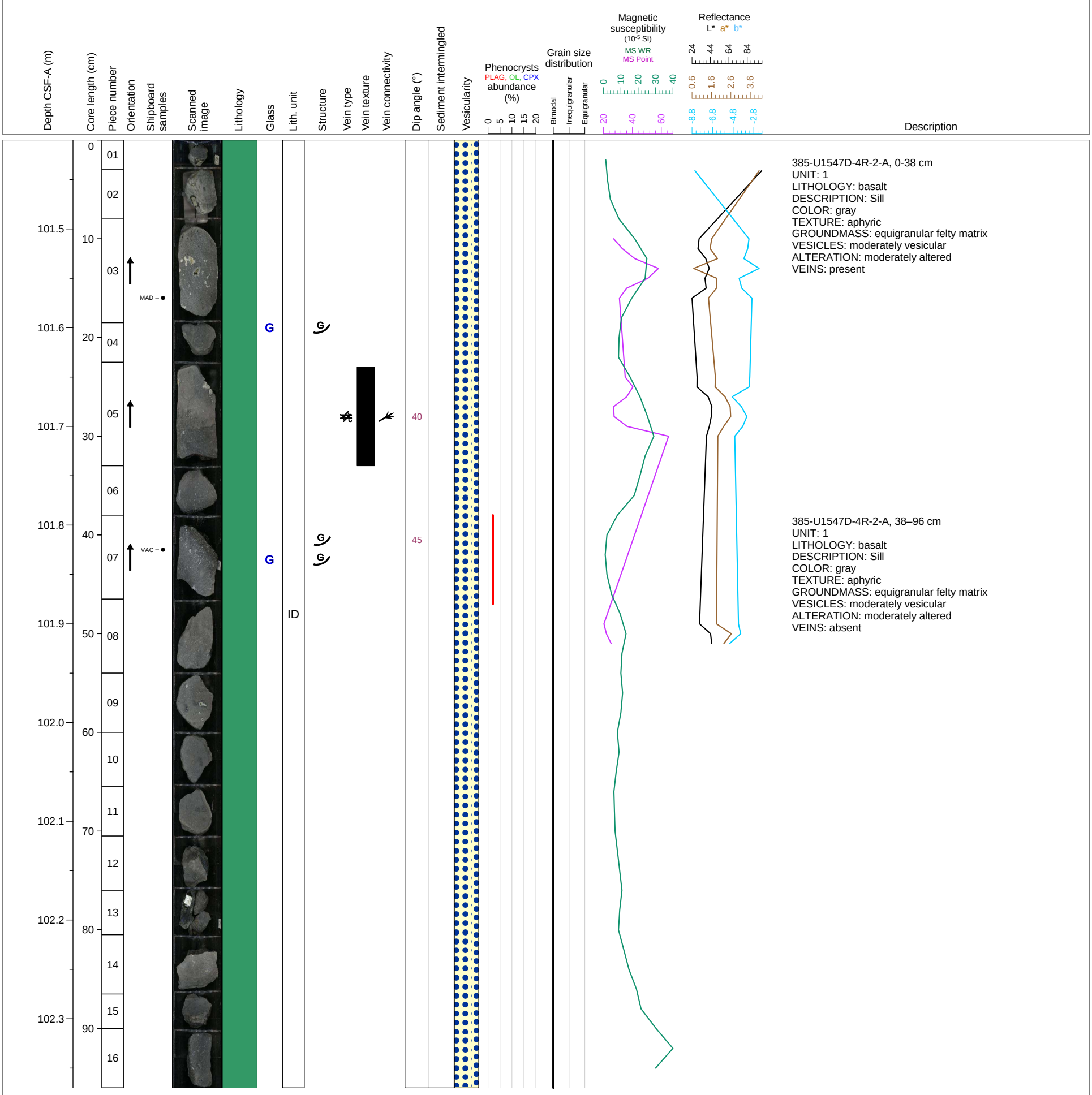


Hole 385-U1547D Core 4R, Interval 100.8-102.37 m (CSF-A)

The section 1 consists of brecciated olive gray (5Y 3/2) SILT-RICH SILICEOUS CLAYSTONE. The bottom section is BASALT.



Hole 385-U1547D-4R Section 2, Top of Section: 101.41 m (CSF-A)



Hole 385-U1547D-5R Section 1, Top of Section: 110.5 m (CSF-A)

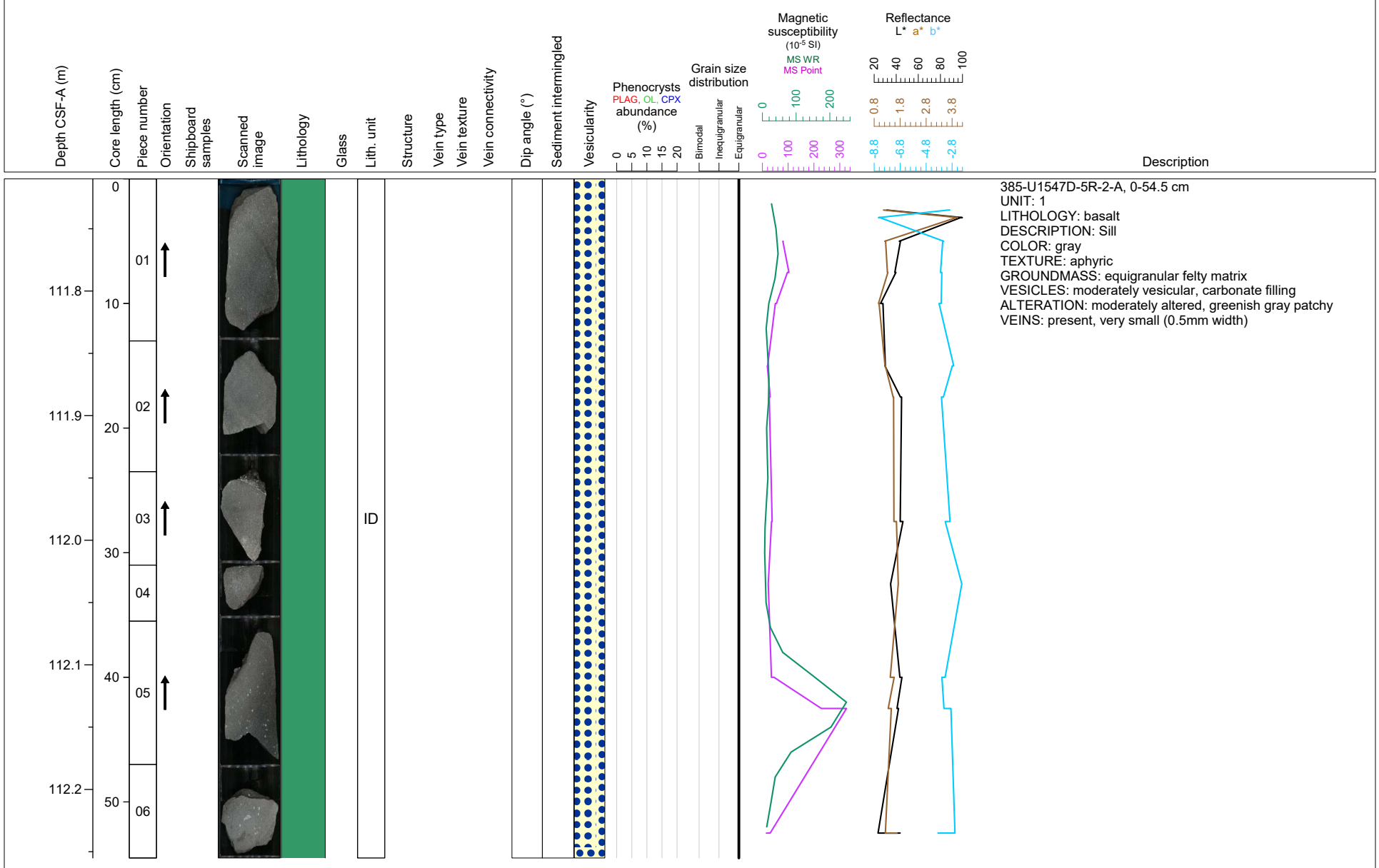
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Lithology
Glass
Lith. unit
Structure
Vein type
Vein texture
Vein connectivity
Dip angle (°)
Sediment intermingled
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%) 0 5 10 15 20
Grain size distribution Bimodal Inequigranular Equigranular
Magnetic susceptibility (10^{-5} SI) MS WR MS Point 0 200 400 0 500 1000
Reflectance L* a* b* 24 44 64 84 0.8 1.8 2.8 3.8 -10.4 -8.4 -6.4 -4.4 -2.4
Description

110.5 0 01
110.6 10 02
110.7 20 03
110.8 30 04
110.9 40 05
06 TS ICP MAD TSB
111.0 50
111.1 60 07
111.2 70
08
111.3 80
09
111.4 90
10
111.5 100
111.6 110 11 VAC
ID
G

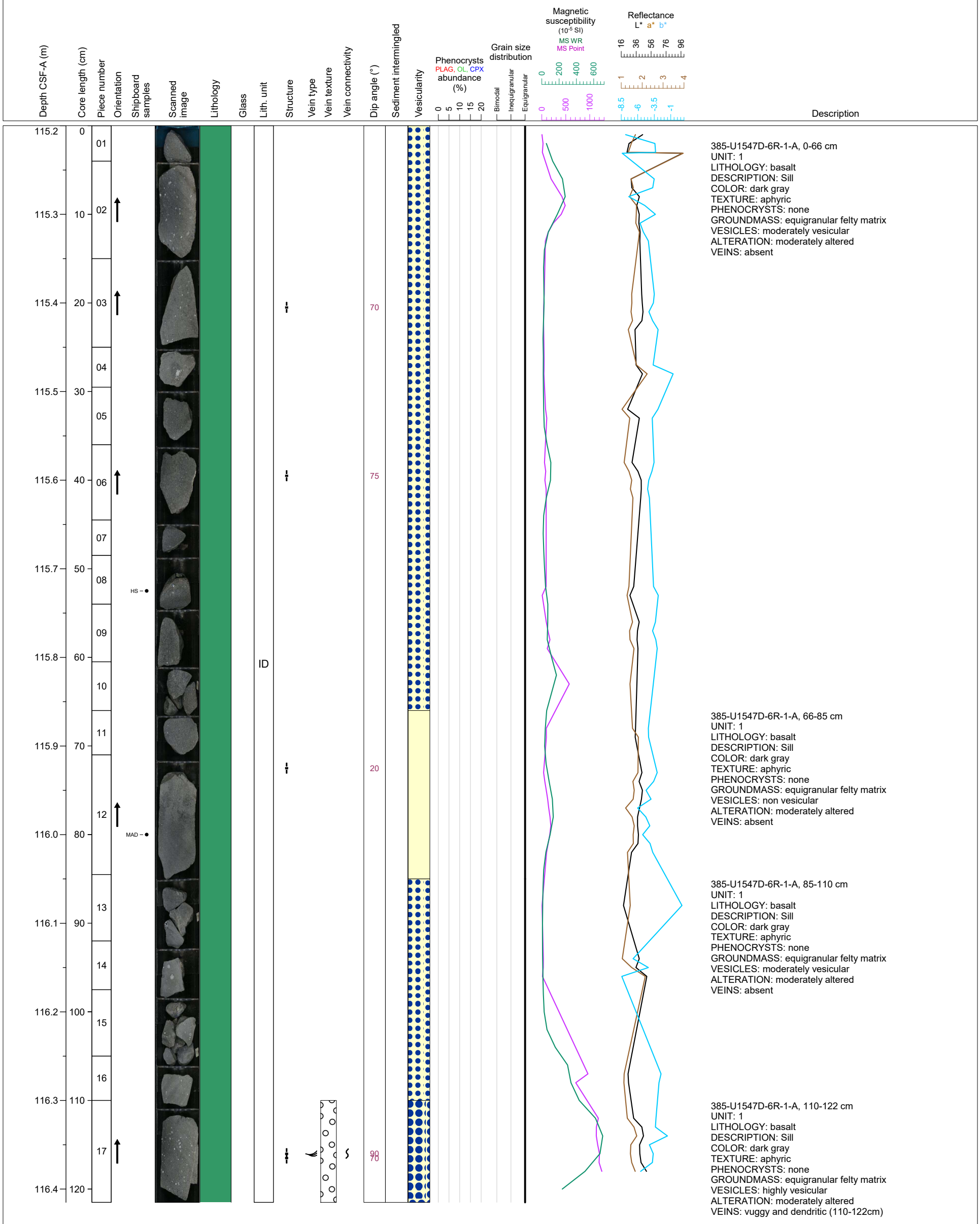
385-U1547D-5R-1-A, 0-24 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: moderately vesicular
ALTERATION: moderately altered
VEINS: absent

385-U1547D-5R-1-A, 24–119 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: moderately vesicular
ALTERATION: moderately altered
VEINS: absent

Hole 385-U1547D-5R Section 2, Top of Section: 111.69 m (CSF-A)



Hole 385-U1547D-6R Section 1, Top of Section: 115.2 m (CSF-A)



Hole 385-U1547D-6R Section 2, Top of Section: 116.415 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution | Magnetic susceptibility (10^{-5} SI) MS WR MS Point | Reflectance L* a* b* | Description

116.5 | 0 | 01 | VAC
116.6 | 10 | 02
116.7 | 20 | 03
116.8 | 30 | 04 | MAD, TS, TSB
116.9 | 40 | 05
117.0 | 50 | 06
117.1 | 60 | 07
117.2 | 70 | 08
117.3 | 80 | 09
117.4 | 90 | 10
117.5 | 100 | 11
 | 110 | 12
 | | 13
 | | 14
 | | 15
 | | 16
 | | 17

Dip angle (°): 80

Vesicularity: S S S

Phenocrysts PLAG, OL, CPX abundance (%): 0 5 10 15 20

Grain size distribution: Bimodal, Inequigranular, Equigranular

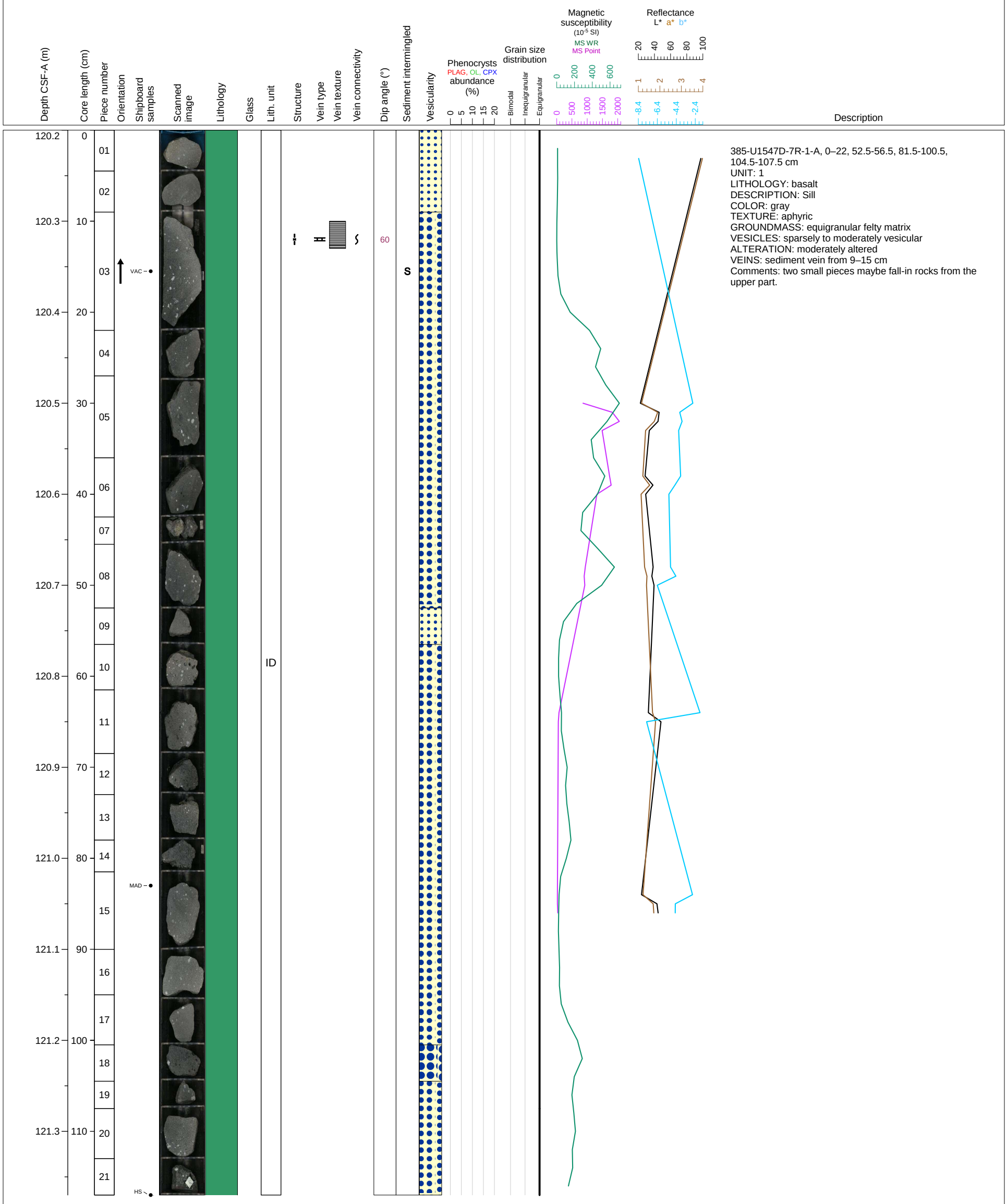
Magnetic susceptibility (10^{-5} SI): MS WR 200 450 700; MS Point 100 600 1100 1600

Reflectance L* a* b*: 24 44 64 84; 1 2 3 4; -8.4 -6.4 -4.4 -2.4

385-U1547D-6R-2-A, 0–52 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: sparsely vesicular
ALTERATION: moderately altered
VEINS: massive carbonate vein from 0–10 cm

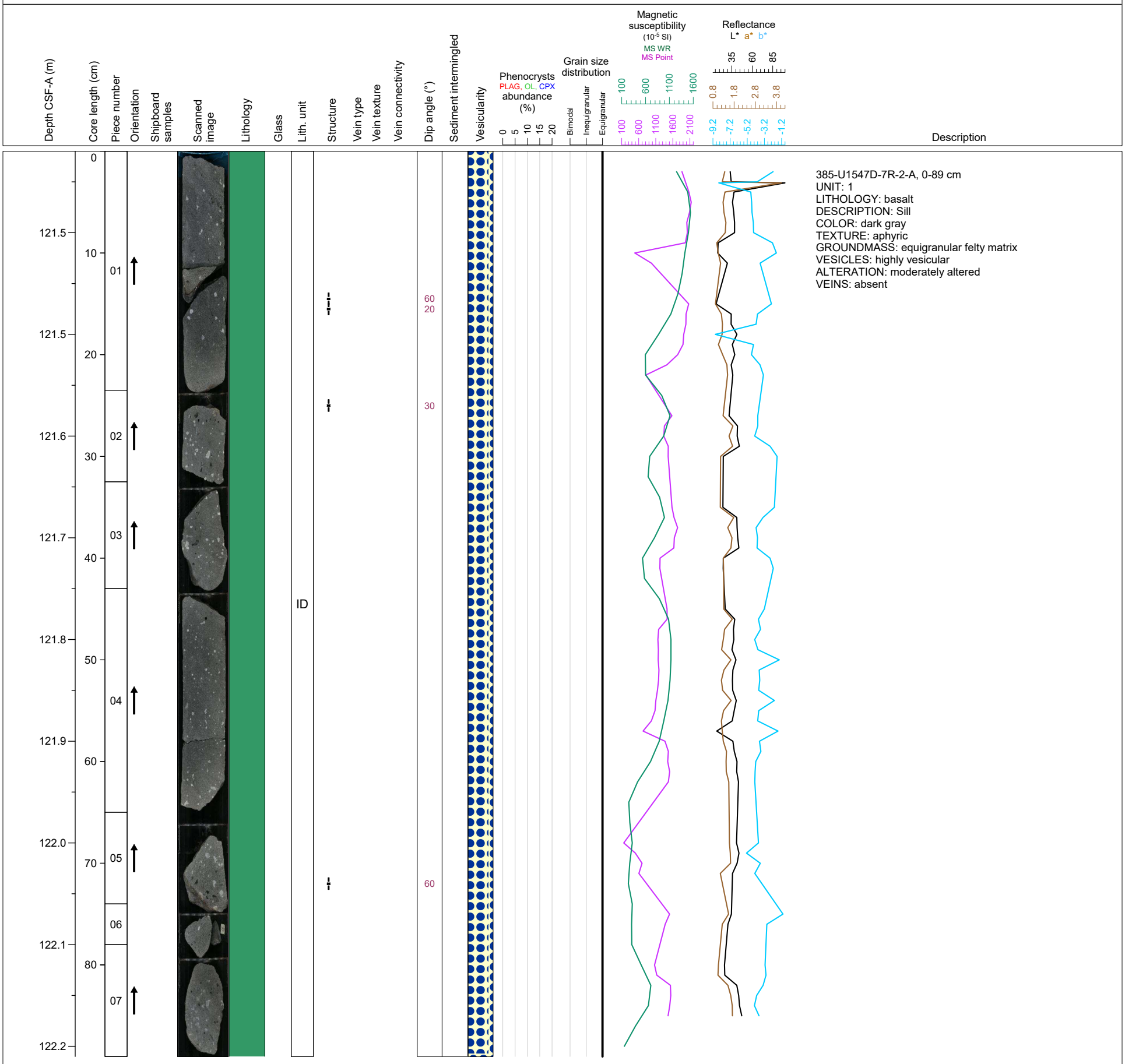
385-U1547D-6R-2-A, 52-116.5 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: highly vesicular
ALTERATION: moderately altered
VEINS: absent

Hole 385-U1547D-7R Section 1, Top of Section: 120.2 m (CSF-A)



385-U1547D-7R-1-A, 0–22, 52.5-56.5, 81.5-100.5, 104.5-107.5 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: sparsely to moderately vesicular
ALTERATION: moderately altered
VEINS: sediment vein from 9–15 cm
Comments: two small pieces maybe fall-in rocks from the upper part.

Hole 385-U1547D-7R Section 2, Top of Section: 121.37 m (CSF-A)



Hole 385-U1547D-8R Section 1, Top of Section: 125.0 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution (Bimodal, Inequigranular, Equigranular) | Magnetic susceptibility (10^{-5} SI) MS WR, MS Point | Reflectance L* a* b* | Description

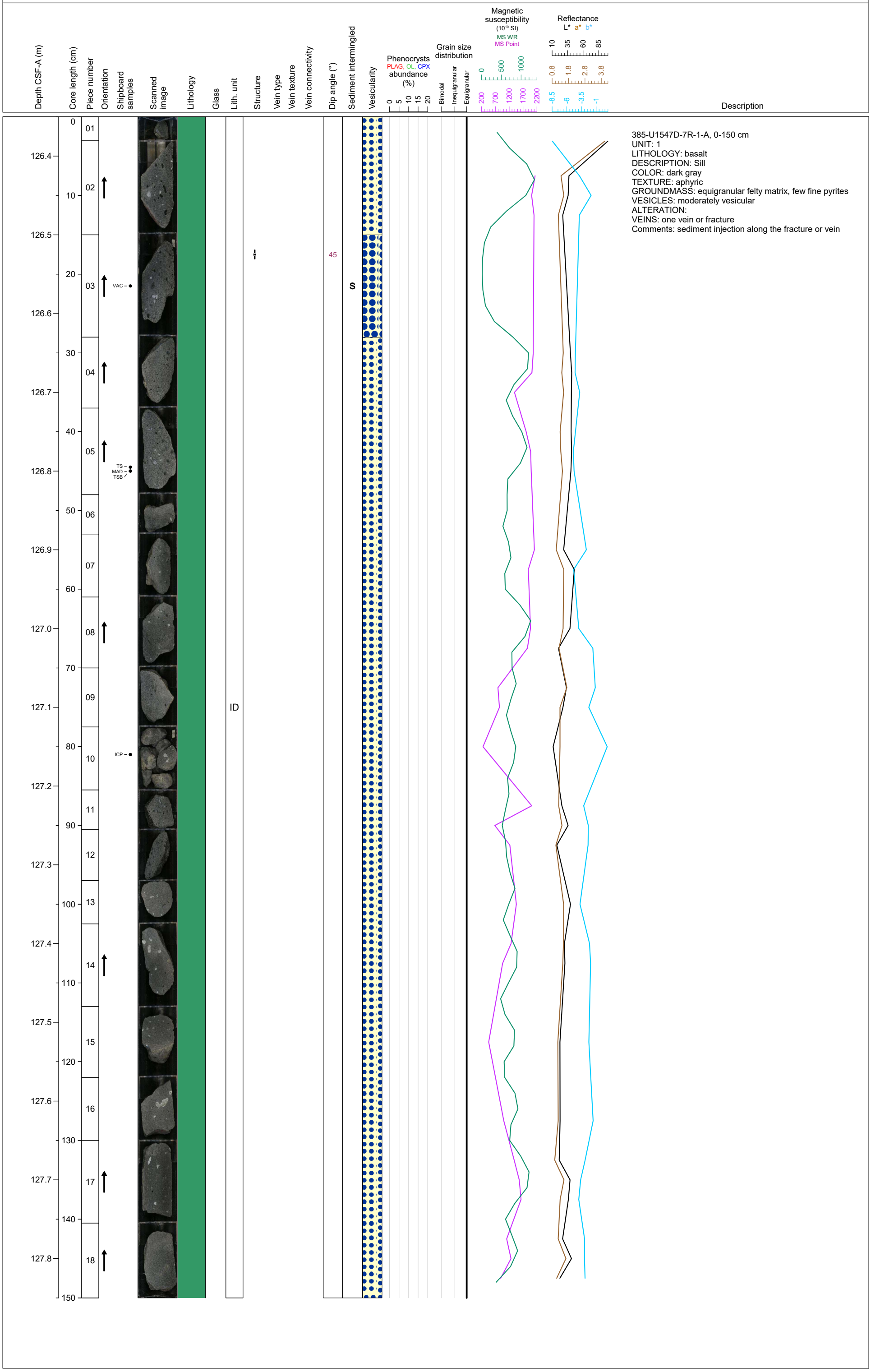
125.0 | 0 | 01 | 125.1 | 10 | 02 | 03 | 125.2 | 20 | 04 | 125.3 | 30 | 05 | 06 | 125.4 | 40 | 07 | PFT | 125.5 | 50 | 08 | 125.6 | 60 | TS | TSB | PMAG | 125.7 | 70 | 09 | 125.8 | 80 | 10 | 125.9 | 90 | 11 | ICP | 126.0 | 100 | 126.1 | 110 | 12 | 126.2 | 120 | 13 | 126.3 | 130

ID

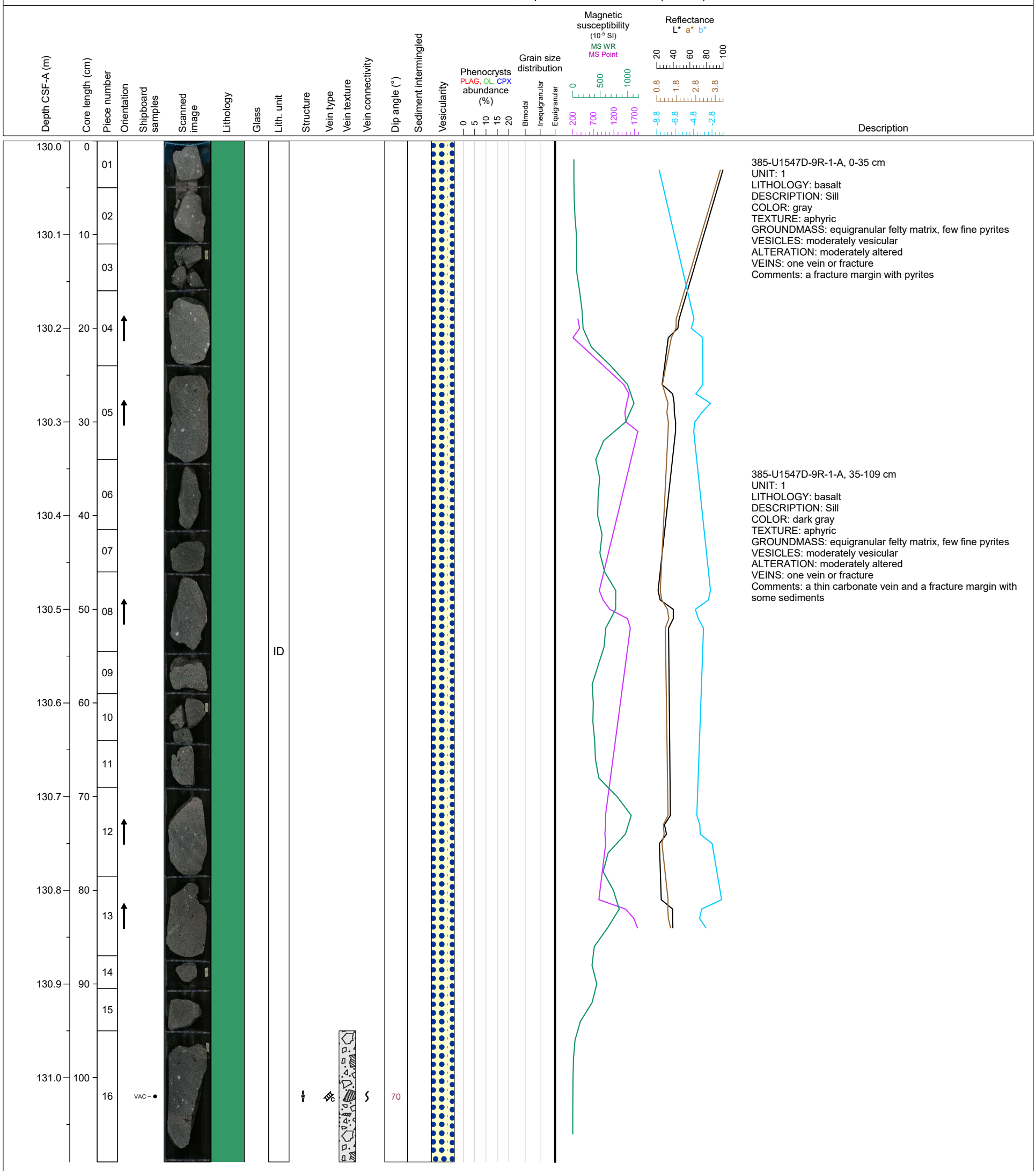
385-U1547D-8R-1-A, 11-19, 29-43.5 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: dark gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix, many fine pyrites
VESICLES: moderately vesicular
ALTERATION:
VEINS: one short vein filled with pyrites

385-U1547D-8R-1-A, 43.5–140 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: moderately vesicular
ALTERATION: VEINS:
Comments: MBIO sampled

Hole 385-U1547D-8R Section 2, Top of Section: 126.35 m (CSF-A)



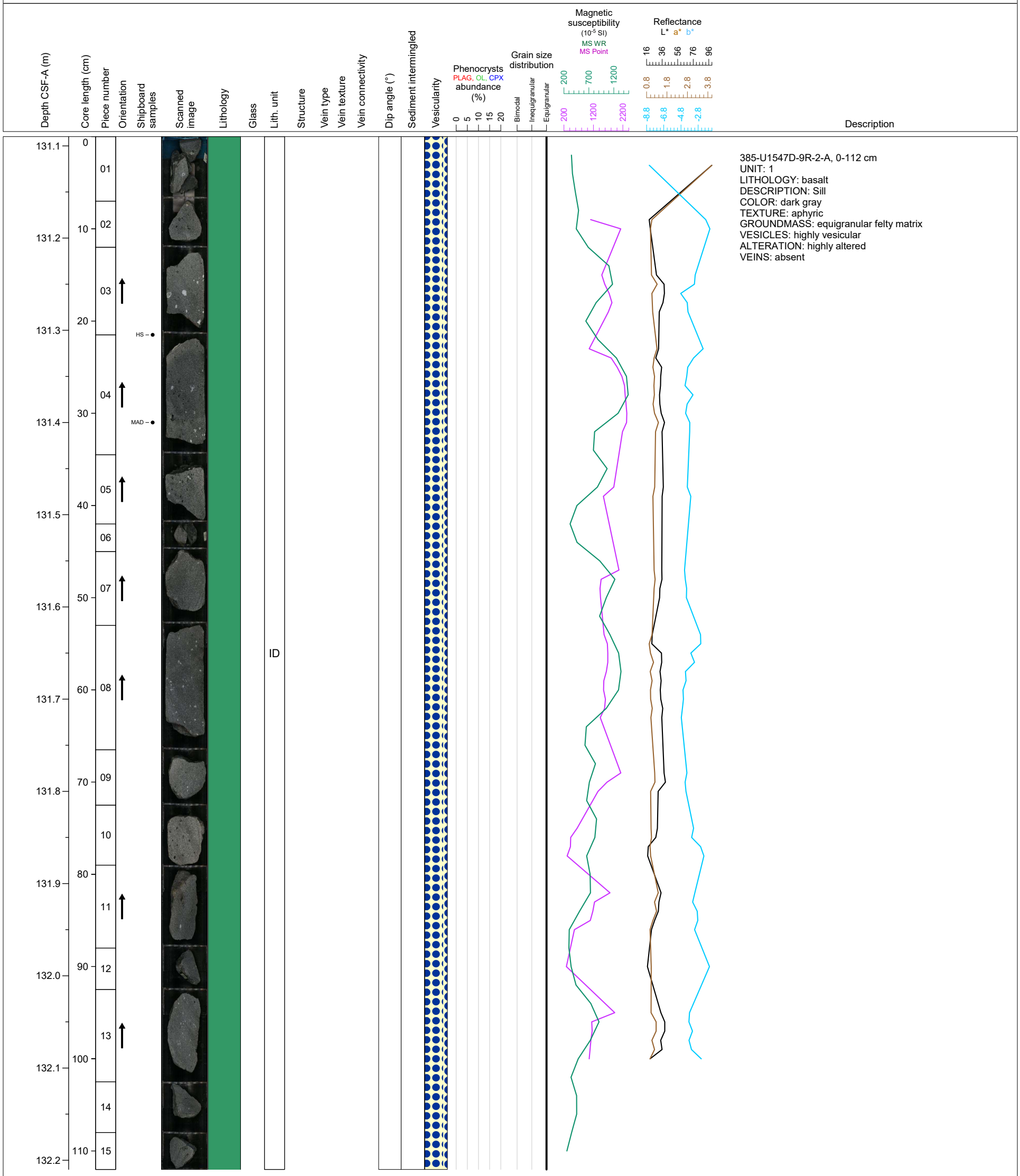
Hole 385-U1547D-9R Section 1, Top of Section: 130.0 m (CSF-A)



385-U1547D-9R-1-A, 0-35 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix, few fine pyrites
VESICLES: moderately vesicular
ALTERATION: moderately altered
VEINS: one vein or fracture
Comments: a fracture margin with pyrites

385-U1547D-9R-1-A, 35-109 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: dark gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix, few fine pyrites
VESICLES: moderately vesicular
ALTERATION: moderately altered
VEINS: one vein or fracture
Comments: a thin carbonate vein and a fracture margin with some sediments

Hole 385-U1547D-9R Section 2, Top of Section: 131.09 m (CSF-A)



Hole 385-U1547D-10R Section 1, Top of Section: 134.8 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) (0, 5, 10, 15, 20) | Grain size distribution (Bimodal, Inequigranular, Equigranular) | Magnetic susceptibility (10^{-5} SI) MS WR (0, 500, 1000) MS Point (0, 1000, 2000, 3000, 4000) | Reflectance L* (10, 35, 60, 85) a* (0.4, 1.4, 2.4, 3.4) b* (-8.8, -6.8, -4.8, -2.8, -0.8) | Description

134.8 | 0 | 01
134.9 | 10 | 02
03
135.0 | 20 | 04
135.1 | 30 | 05
06
135.2 | 40 | 07
135.3 | 50 | 08
09
135.4 | 60 | 10
135.5 | 70 | 11
12
135.6 | 80 | 13
135.7 | 90 | 14
135.8 | 100 | 15
16
135.9 | 110 | 17
18
136.0 | 120 | 19
136.1 | 130 | 20
21

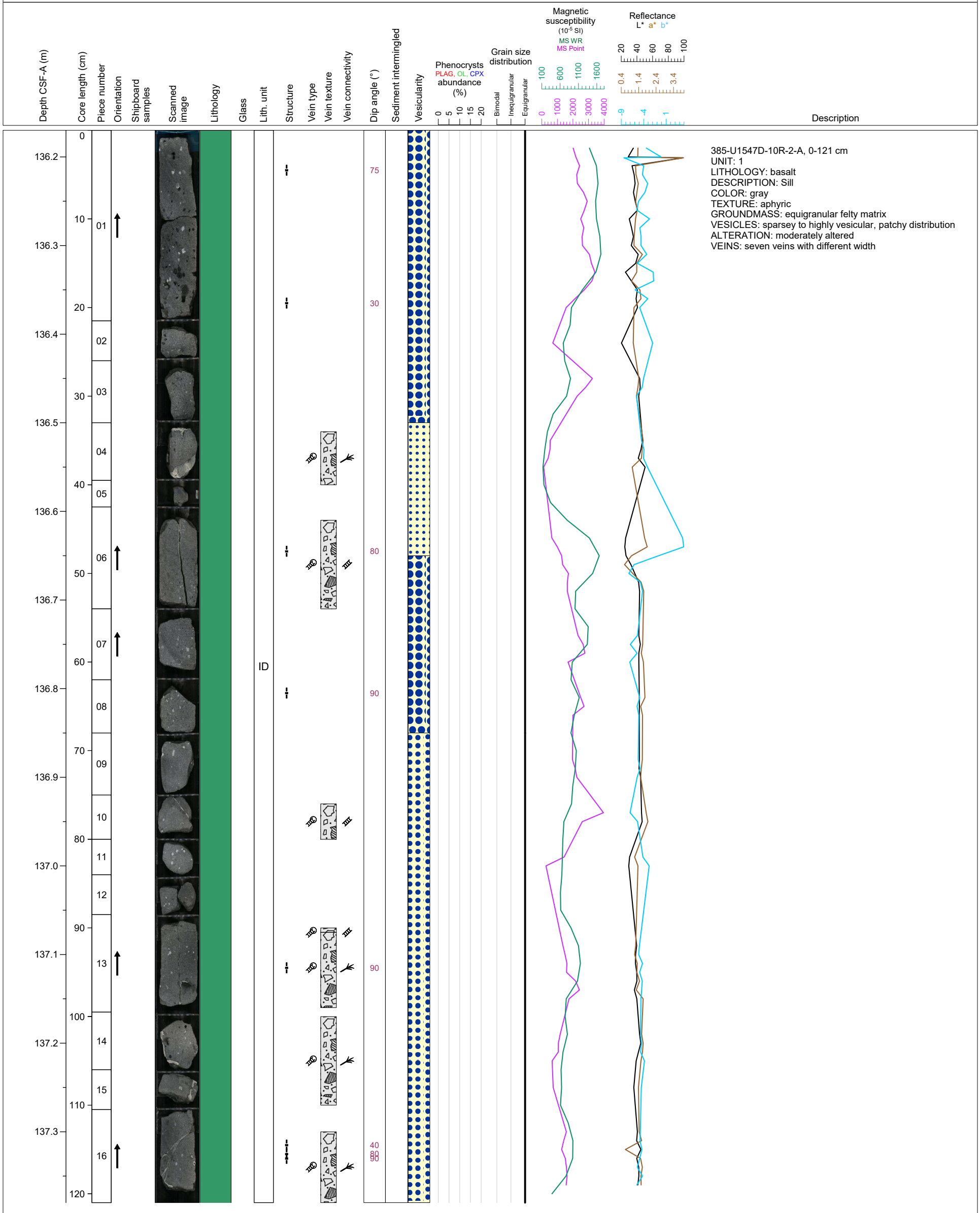
Dip angle: 90, 75, 70

Structure: ID

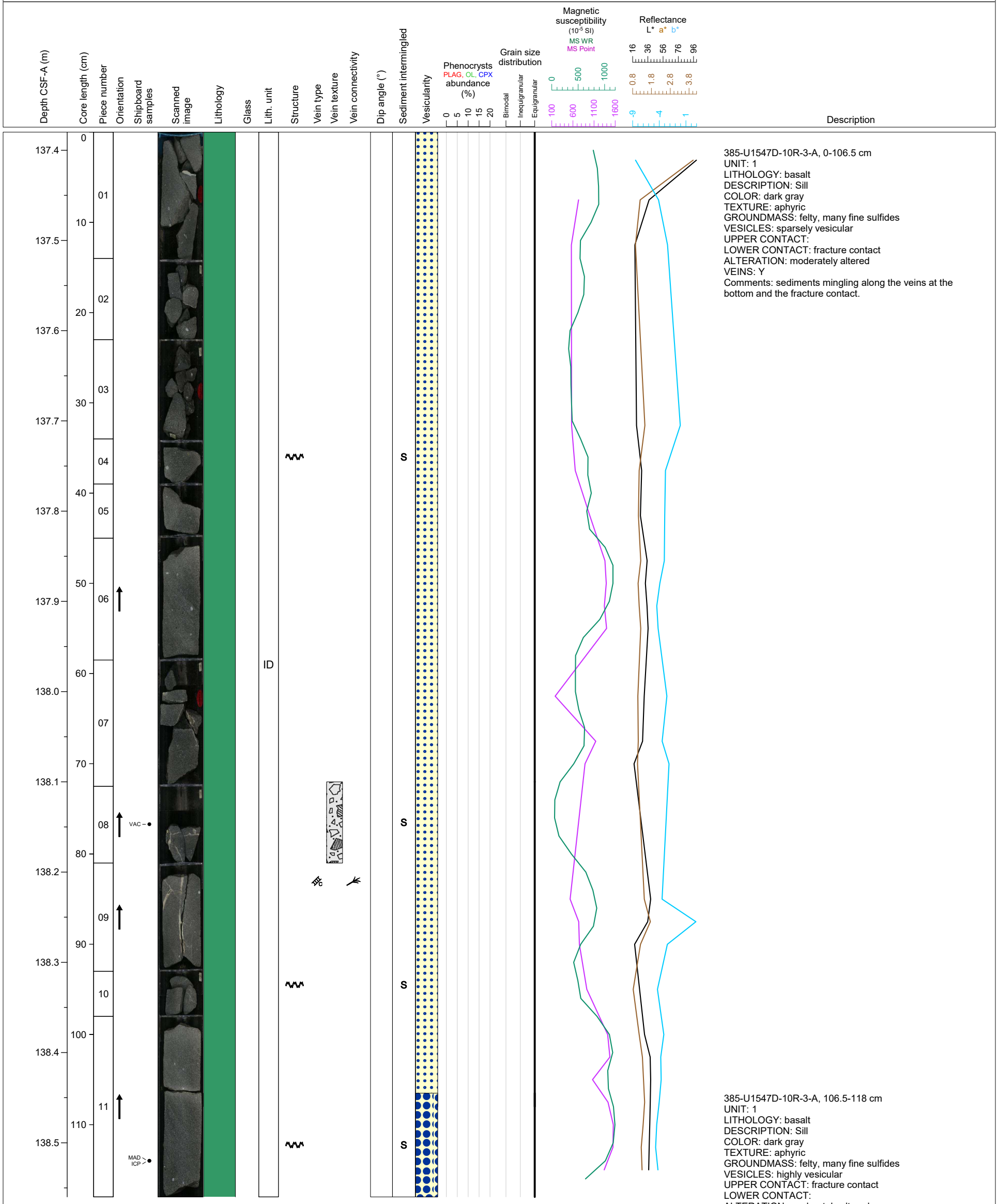
385-U1547D-10R-1-A, 0-7 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: dark gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: highly vesicular
ALTERATION: sightly altered
VEINS: absent

385-U1547D-10R-1-A, 7-137 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: highly to sparsely vesicular
ALTERATION: moderately altered, fracture controlled
VEINS: one vein, carbonates and micrite sediments injection.

Hole 385-U1547D-10R Section 2, Top of Section: 136.17 m (CSF-A)



Hole 385-U1547D-10R Section 3, Top of Section: 137.38 m (CSF-A)



385-U1547D-10R-3-A, 0-106.5 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: dark gray
TEXTURE: aphyric
GROUNDMASS: felty, many fine sulfides
VESICLES: sparsely vesicular
UPPER CONTACT:
LOWER CONTACT: fracture contact
ALTERATION: moderately altered
VEINS: Y
Comments: sediments mingling along the veins at the bottom and the fracture contact.

385-U1547D-10R-3-A, 106.5-118 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: dark gray
TEXTURE: aphyric
GROUNDMASS: felty, many fine sulfides
VESICLES: highly vesicular
UPPER CONTACT: fracture contact
LOWER CONTACT:
ALTERATION: moderately altered
VEINS:
Comments: sediments mingling along the fracture contact on the top

Hole 385-U1547D-11R Section 1, Top of Section: 139.8 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution | Magnetic susceptibility (10^{-5} SI) MS WR MS Point | Reflectance L* a* b* | Description

139.8 | 0 | 01
139.9 | 10 | 02
140.0 | 20 | 03
140.1 | 30 | 04
140.2 | 40 | 05
140.3 | 50 | 06
140.4 | 60 | 07
140.5 | 70 | 08
140.6 | 80 | 09
140.7 | 90 | 10
140.8 | 100 | 11
140.9 | 110 | 12
141.0 | 120 | 13
141.1 | 130 | 14
141.2 | 140 | 15
16
17
18
19
20

Lith. unit: ID

VAC

Phenocrysts PLAG, OL, CPX abundance (%): 0, 5, 10, 15, 20

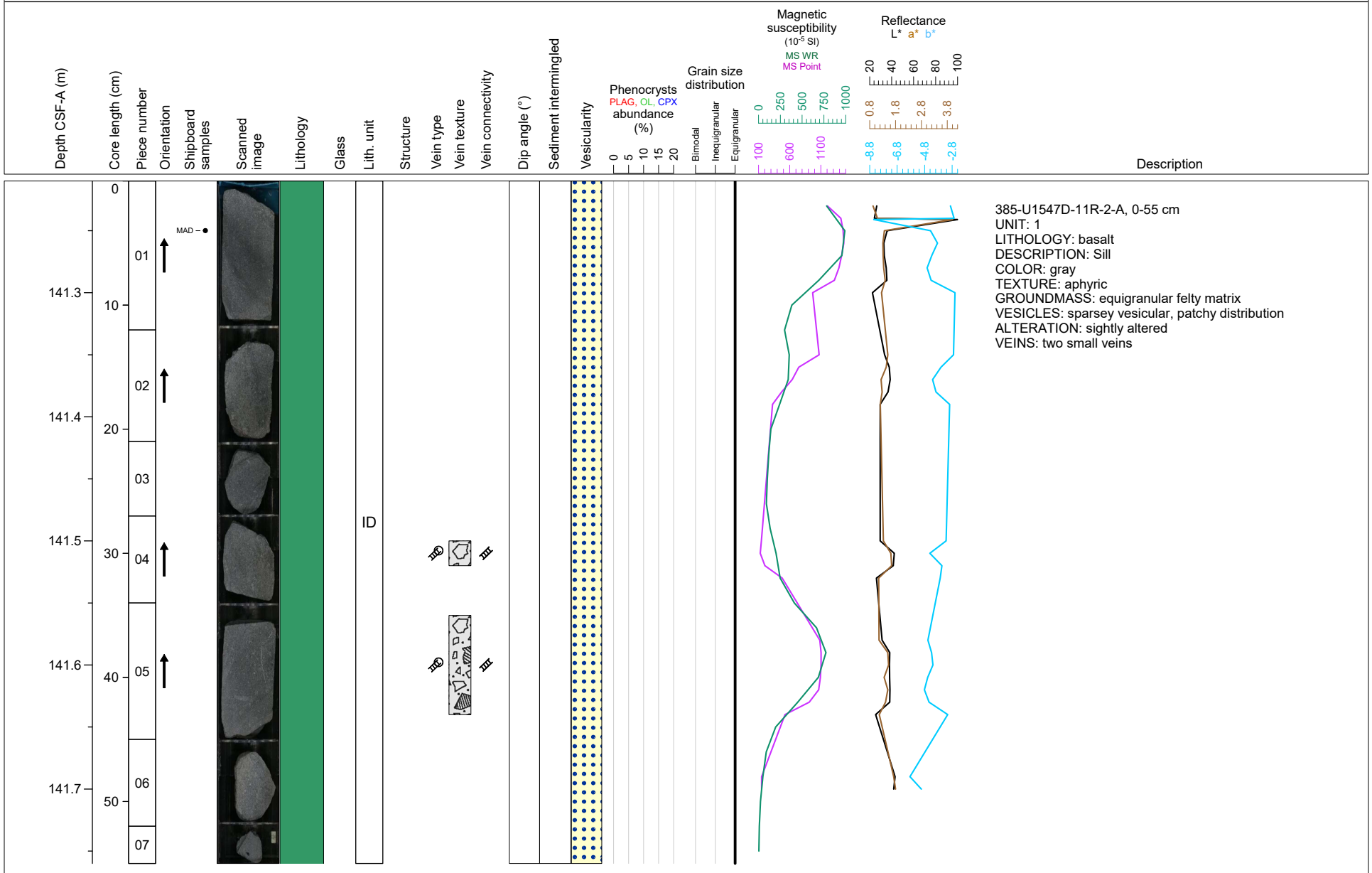
Grain size distribution: Bimodal, Inequigranular, Equigranular

Magnetic susceptibility (10^{-5} SI): MS WR: 0, 500, 1000; MS Point: 0, 500, 1000, 1500

Reflectance L* a* b*: L*: 35, 60, 85; a*: 0.6, 1.6, 2.6, 3.6; b*: -8.8, -6.8, -4.8, -2.8, -0.8

385-U1547D-11R-1-A, 0-141 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: dark gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: highly vesicular, most is fine vesicles
ALTERATION: moderately altered
VEINS: five veins
Comments: at 43-50 cm, here are several big vesicles filled with carbonates.

Hole 385-U1547D-11R Section 2, Top of Section: 141.21 m (CSF-A)



385-U1547D-11R-2-A, 0-55 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: sparsey vesicular, patchy distribution
ALTERATION: sightly altered
VEINS: two small veins

Hole 385-U1547D-12R Section 1, Top of Section: 144.5 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) (0, 5, 10, 15, 20) | Grain size distribution (Bimodal, Inequigranular, Equigranular) | Magnetic susceptibility (10^{-5} SI) MS WR (-100, 400, 900, 1400) MS Point (500, 1000, 1500, 2000) | Reflectance L* (24, 44, 64, 84) a* (1, 2, 3, 4) b* (-8.8, -6.8, -4.8, -2.8) | Description

144.5 m (0 cm) – 144.6 m (10 cm) – 144.7 m (20 cm) – 144.8 m (30 cm) – 144.9 m (40 cm) – 145.0 m (50 cm) – 145.1 m (60 cm) – 145.2 m (70 cm) – 145.3 m (80 cm) – 145.4 m (90 cm) – 145.5 m (100 cm) – 145.6 m (110 cm) – 145.7 m (120 cm) – 145.8 m (130 cm)

Pieces 01–18

VAC

TS
TSB
ICP
PMAG

ID

Dip angle: 30, 30, 60, 60, 60, 60

Sediment intermingled: S

385-U1547D-12R-1-A, 0–34 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: non vesicular
ALTERATION: moderately altered
VEINS: absent

385-U1547D-12R-1-A, 34-46 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: non vesicular
ALTERATION: moderately altered
VEINS: absent

385-U1547D-12R-1-A, 46-56 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: sparsely vesicular
ALTERATION: moderately altered
VEINS: absent

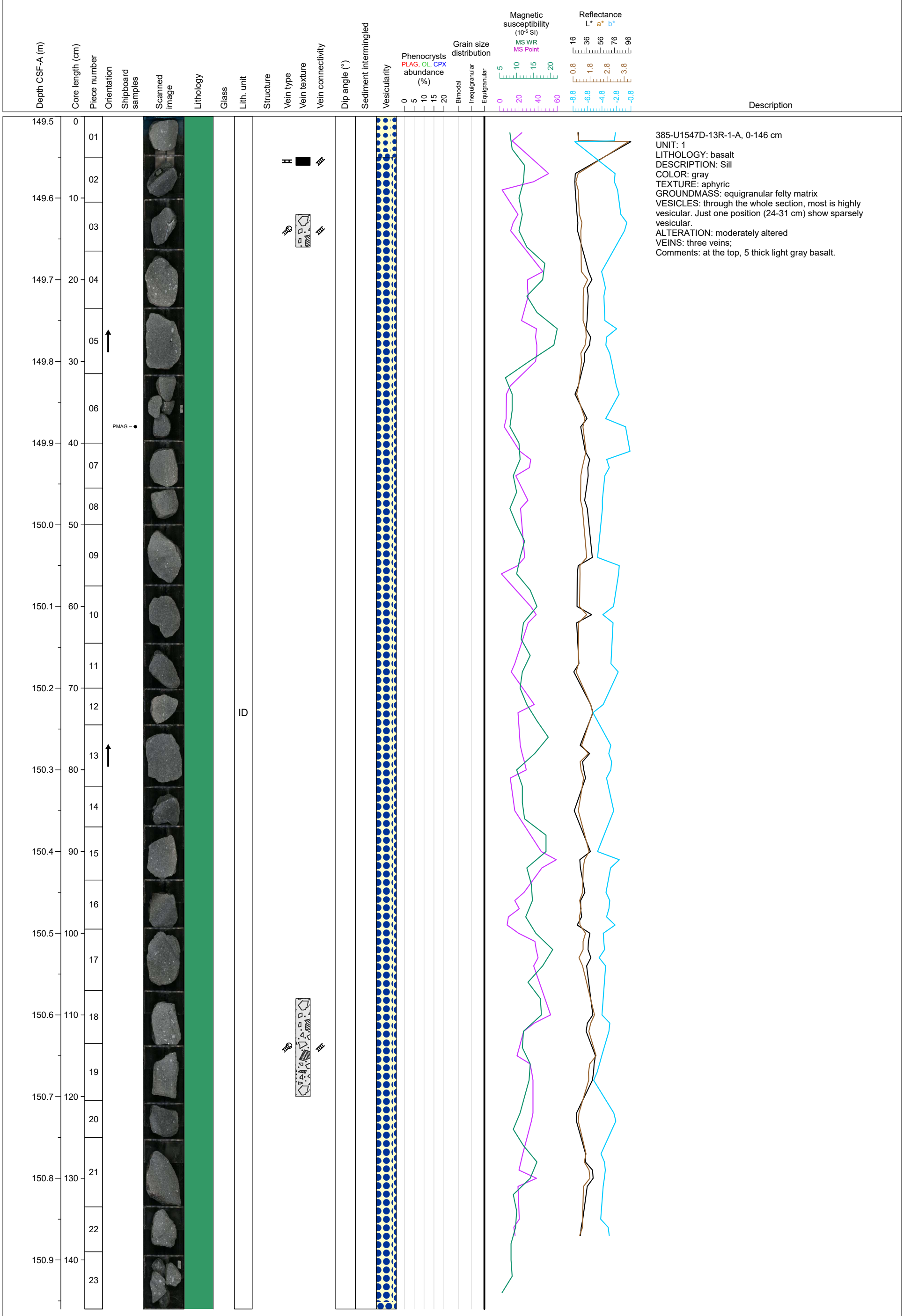
385-U1547D-12R-1-A, 56-78 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: sparsely vesicular
ALTERATION: moderately altered
VEINS: absent

385-U1547D-12R-1-A, 78-109 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: sparsely vesicular
ALTERATION: moderately altered
VEINS: absent

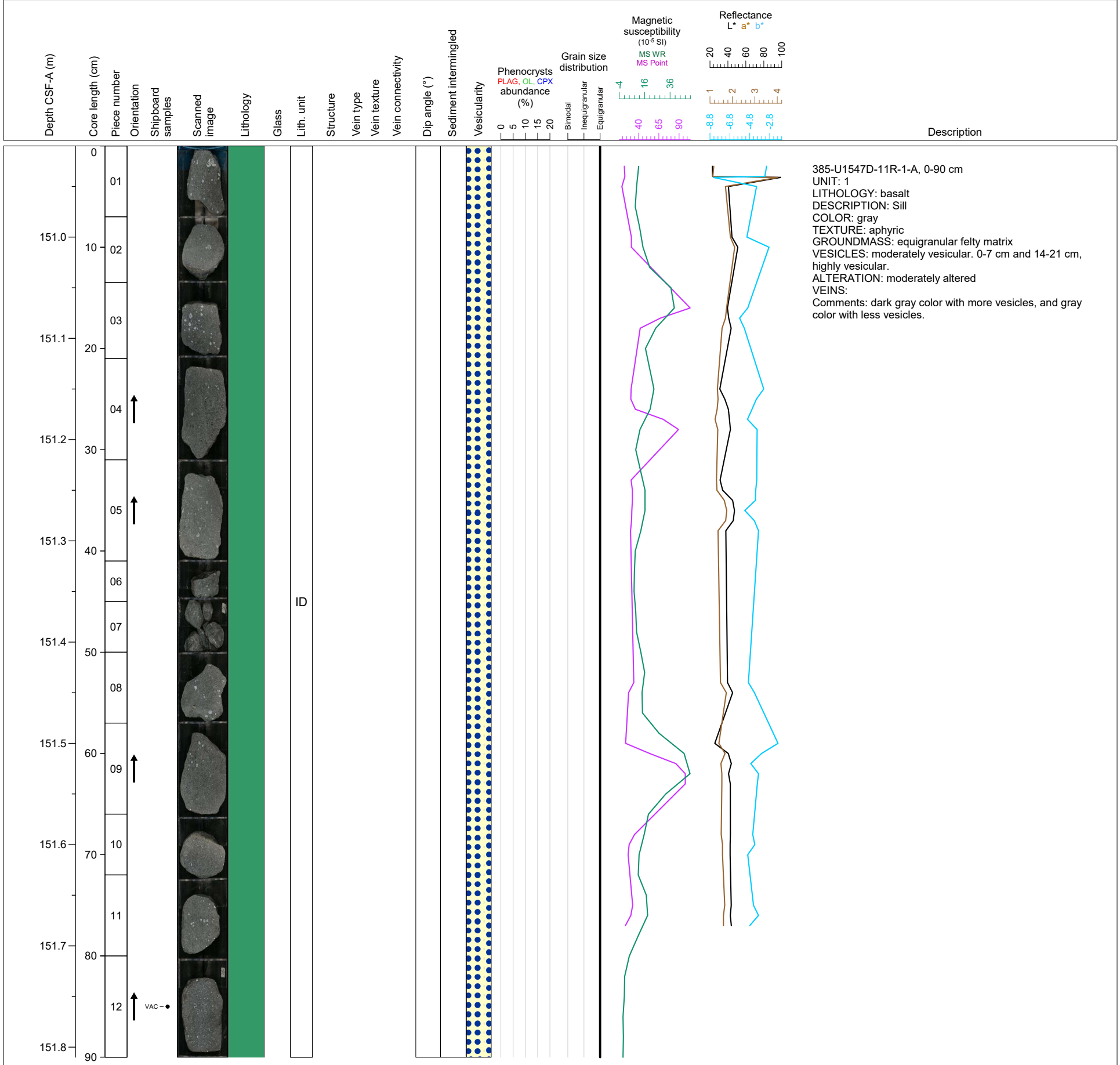
385-U1547D-12R-1-A, 109-139 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: sparsely vesicular
ALTERATION: moderately altered
VEINS: absent

Hole 385-U1547D-12R Section 2, Top of Section: 145.89 m (CSF-A)

Hole 385-U1547D-13R Section 1, Top of Section: 149.5 m (CSF-A)



Hole 385-U1547D-13R Section 2, Top of Section: 150.96 m (CSF-A)



385-U1547D-11R-1-A, 0-90 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: moderately vesicular. 0-7 cm and 14-21 cm, highly vesicular.
ALTERATION: moderately altered
VEINS:
Comments: dark gray color with more vesicles, and gray color with less vesicles.

Hole 385-U1547D-14R Section 1, Top of Section: 154.2 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) (0, 5, 10, 15, 20) | Grain size distribution (Bimodal, Inequigranular, Equigranular) | Magnetic susceptibility (10^{-5} SI) MS WR, MS Point (0, 200, 400) | Reflectance L* a* b* (16, 36, 56, 76, 96; 0.8, 1.8, 2.8, 3.8; -9, -4, 1) | Description

154.2 m (CSF-A), 0 cm, Piece 01

385-U1547D-14R-1-A, 0-55 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: highly vesicular
ALTERATION: moderately altered
VEINS: absent

154.3 m (CSF-A), 10 cm, Piece 02

154.4 m (CSF-A), 20 cm, Piece 03

154.5 m (CSF-A), 30 cm, Piece 06

154.6 m (CSF-A), 40 cm, Piece 07

154.7 m (CSF-A), 50 cm, Piece 08

154.8 m (CSF-A), 60 cm, Piece 09

154.9 m (CSF-A), 70 cm, Piece 10

385-U1547D-14R-1-A, 55-75 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: moderately vesicular
ALTERATION: moderately altered
VEINS: absent

155.0 m (CSF-A), 80 cm, Piece 11

155.1 m (CSF-A), 90 cm, Piece 12

ID

70

385-U1547D-14R-1-A, 75-150 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: moderately vesicular
ALTERATION: moderately altered
VEINS: absent

155.2 m (CSF-A), 100 cm, Piece 13

80

155.3 m (CSF-A), 110 cm, Piece 14

155.4 m (CSF-A), 120 cm, Piece 15

155.5 m (CSF-A), 130 cm, Piece 16

60

155.6 m (CSF-A), 140 cm, Piece 17

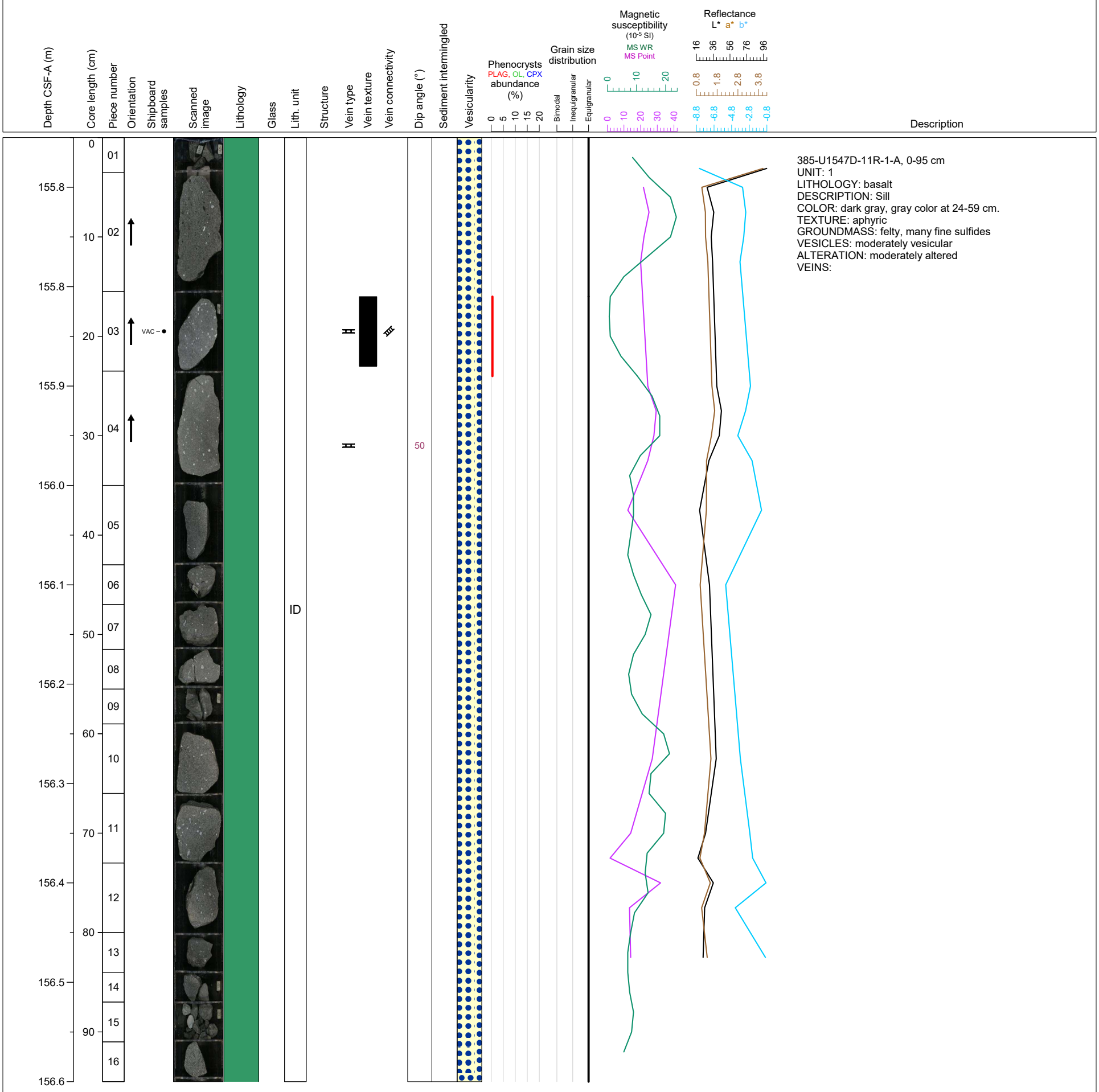
155.7 m (CSF-A), 150 cm, Piece 18

Piece 19

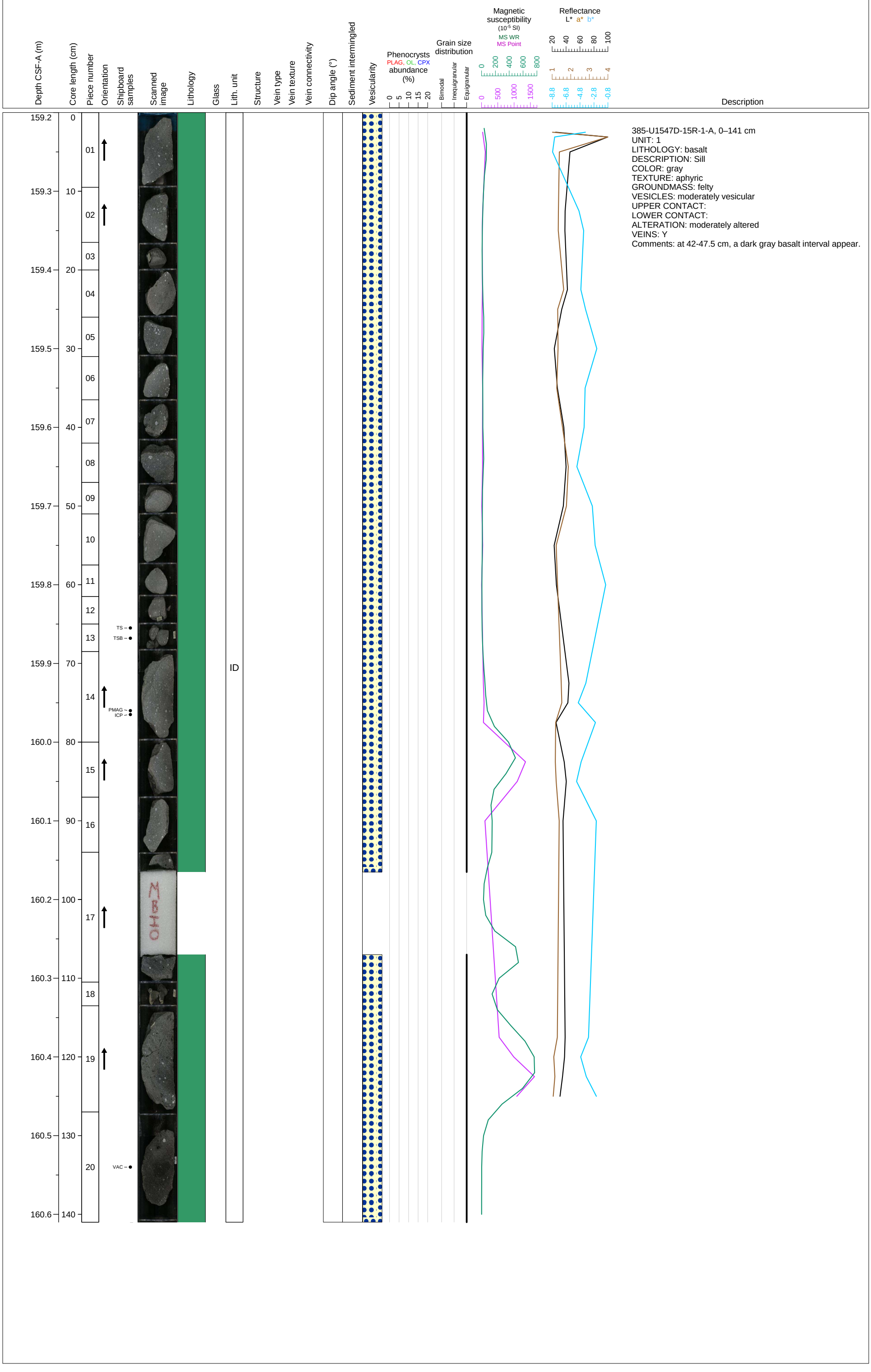
Piece 20

PMAG

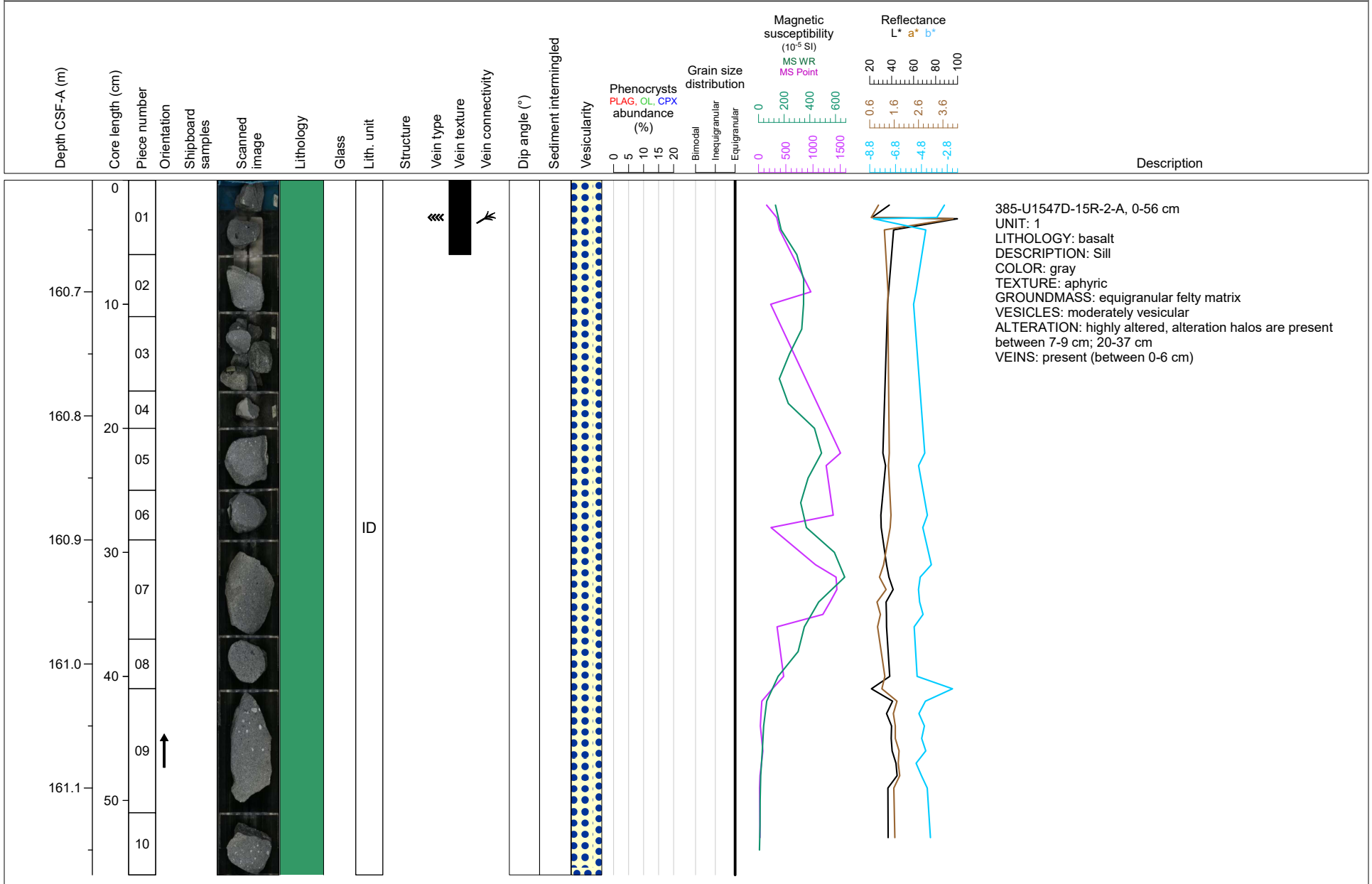
Hole 385-U1547D-14R Section 2, Top of Section: 155.7 m (CSF-A)



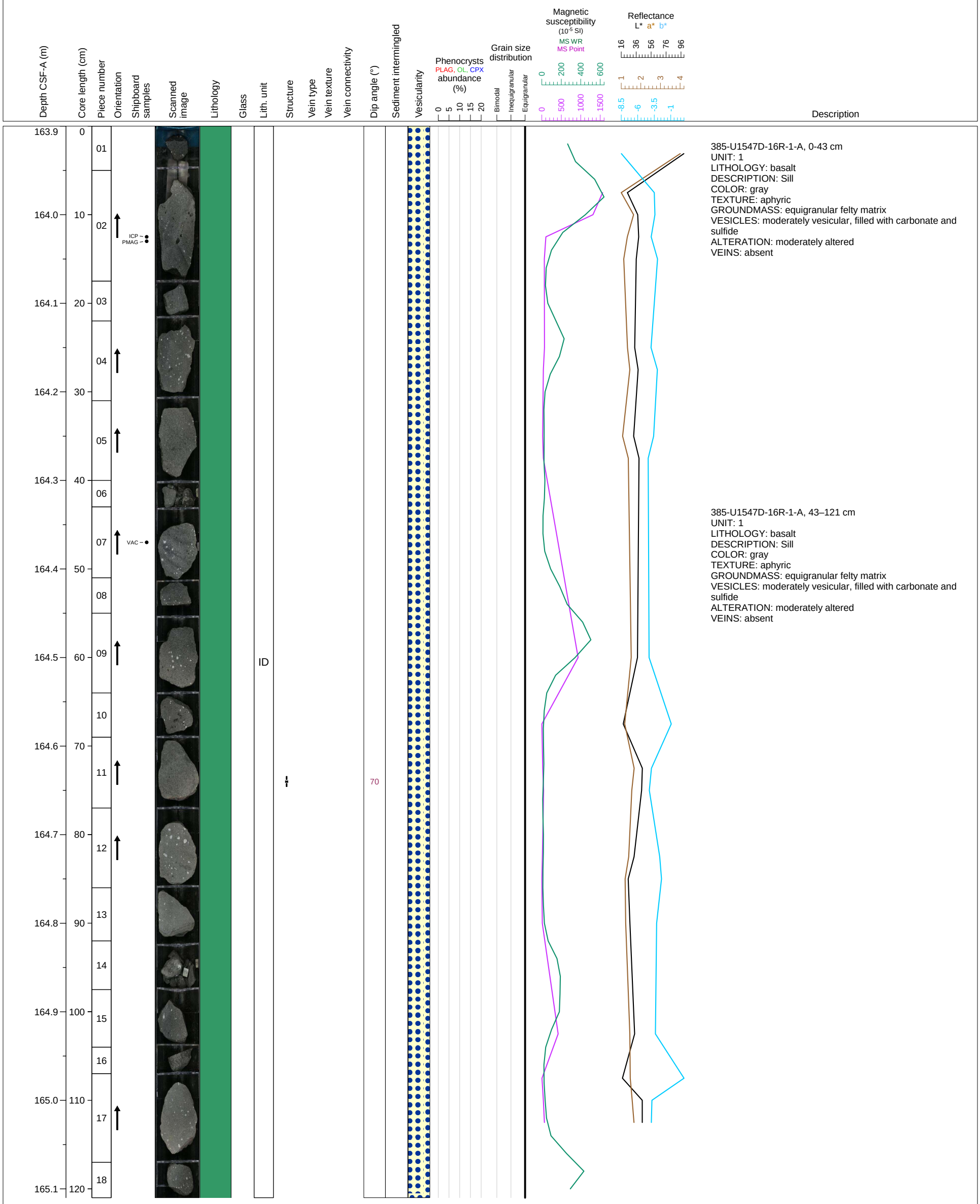
Hole 385-U1547D-15R Section 1, Top of Section: 159.2 m (CSF-A)



Hole 385-U1547D-15R Section 2, Top of Section: 160.61 m (CSF-A)



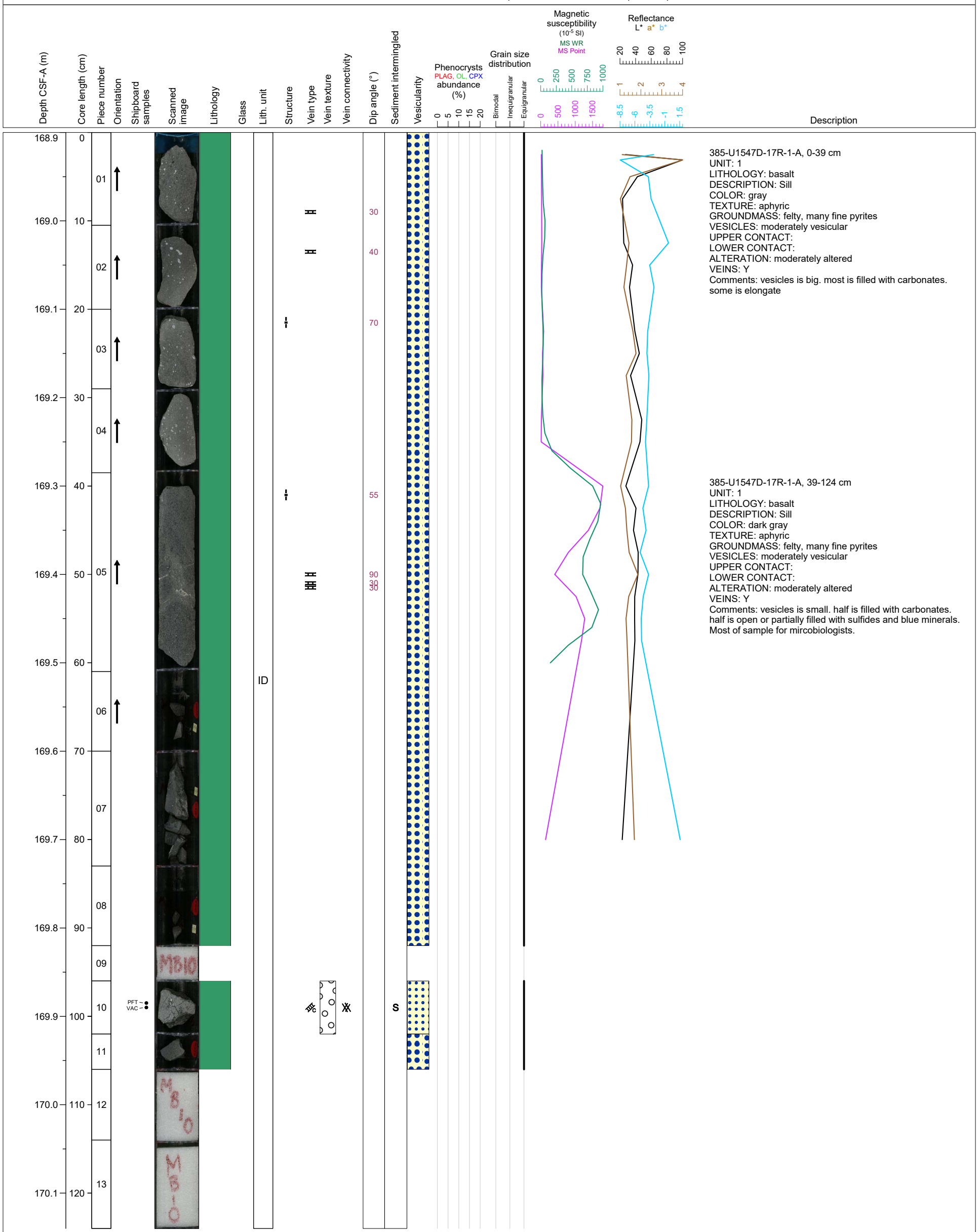
Hole 385-U1547D-16R Section 1, Top of Section: 163.9 m (CSF-A)



385-U1547D-16R-1-A, 0-43 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: moderately vesicular, filled with carbonate and sulfide
ALTERATION: moderately altered
VEINS: absent

385-U1547D-16R-1-A, 43–121 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: moderately vesicular, filled with carbonate and sulfide
ALTERATION: moderately altered
VEINS: absent

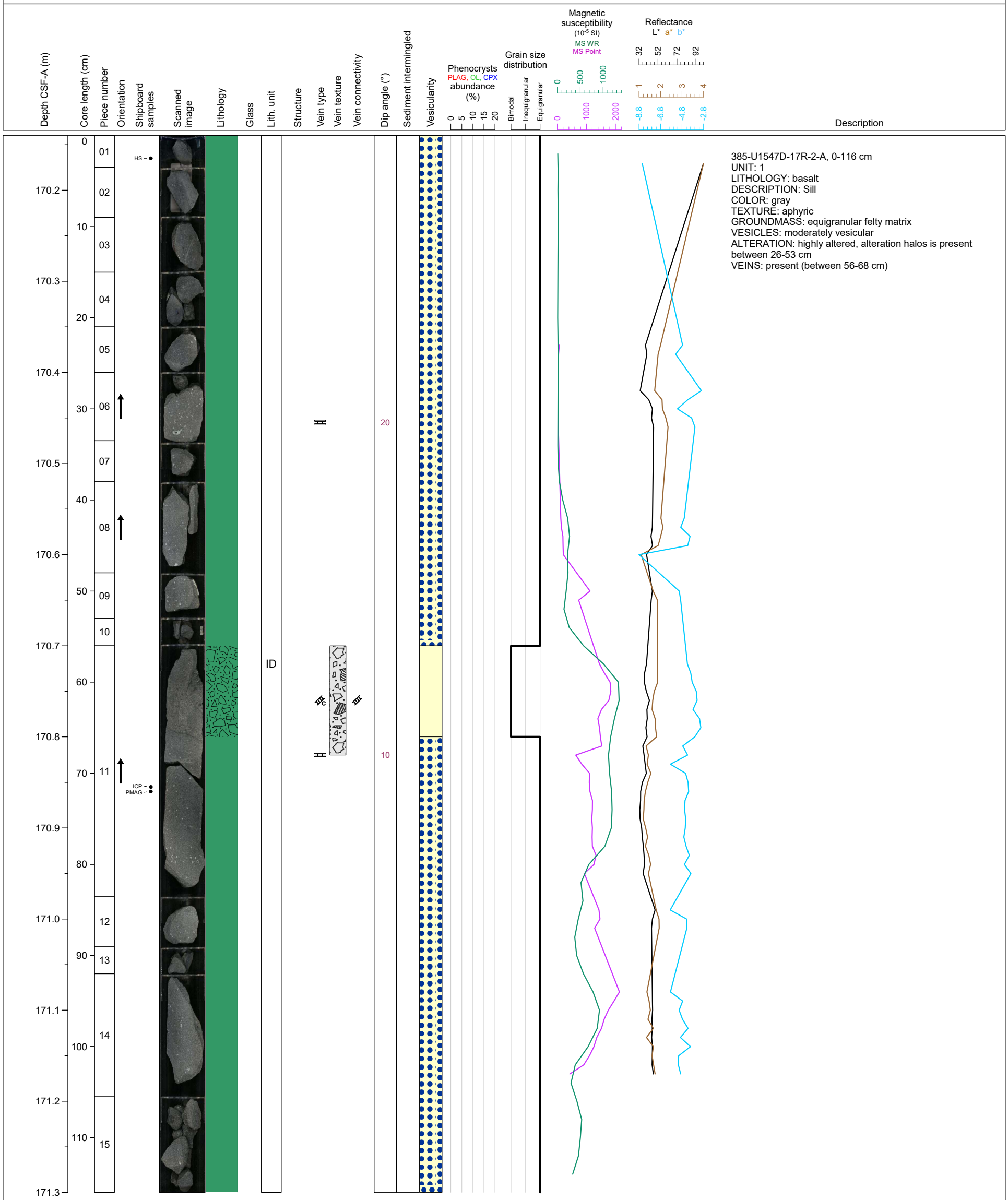
Hole 385-U1547D-17R Section 1, Top of Section: 168.9 m (CSF-A)



385-U1547D-17R-1-A, 0-39 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: felty, many fine pyrites
VESICLES: moderately vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: Y
Comments: vesicles is big. most is filled with carbonates. some is elongate

385-U1547D-17R-1-A, 39-124 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: dark gray
TEXTURE: aphyric
GROUNDMASS: felty, many fine pyrites
VESICLES: moderately vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: Y
Comments: vesicles is small. half is filled with carbonates. half is open or partially filled with sulfides and blue minerals. Most of sample for mircobiologists.

Hole 385-U1547D-17R Section 2, Top of Section: 170.14 m (CSF-A)



Hole 385-U1547D-18R Section 1, Top of Section: 173.6 m (CSF-A)

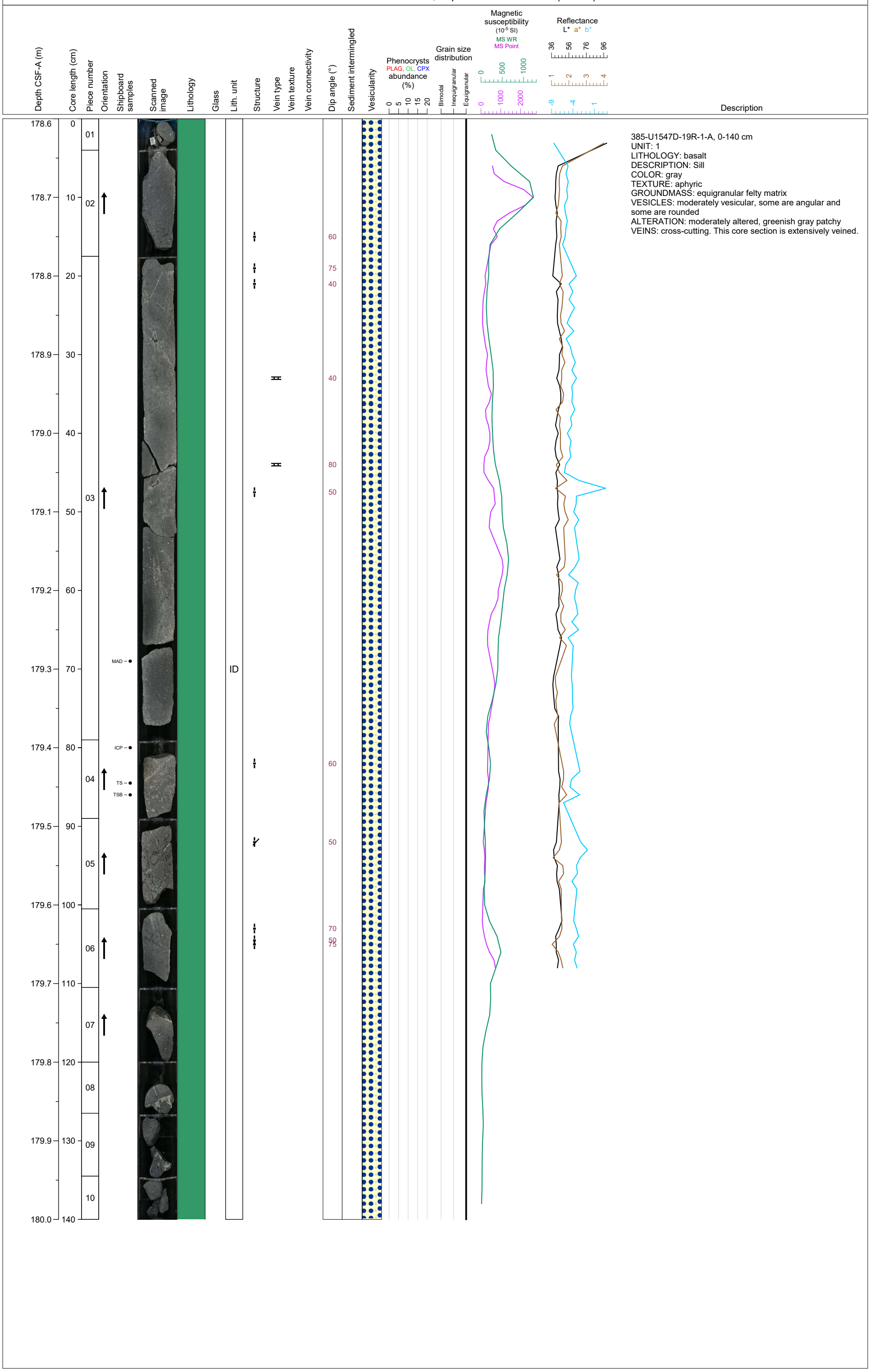
Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution | Magnetic susceptibility (10^{-5} SI) MS WR MS Point | Reflectance L* a* b* | Description

173.6 | 0 | 01 | HS | ID | 65
173.7 | 10 | 02
173.8 | 20 | 03 | 30
173.9 | 30 | 04 | 90 | 60 | 80
174.0 | 40 | 05 | VAC | Bc
174.1 | 50 | 06 | 07
174.2 | 60 | 08 | 09
174.3 | 70
174.4 | 80 | 10 | 50
174.5 | 90 | 11
174.6 | 100 | 12
174.7 | 110 | 13
174.8 | 120 | 14 | 15 | 16
174.9 | 130 | 17 | 45
175.0 | 140 | 18
175.1 | 150 | 19

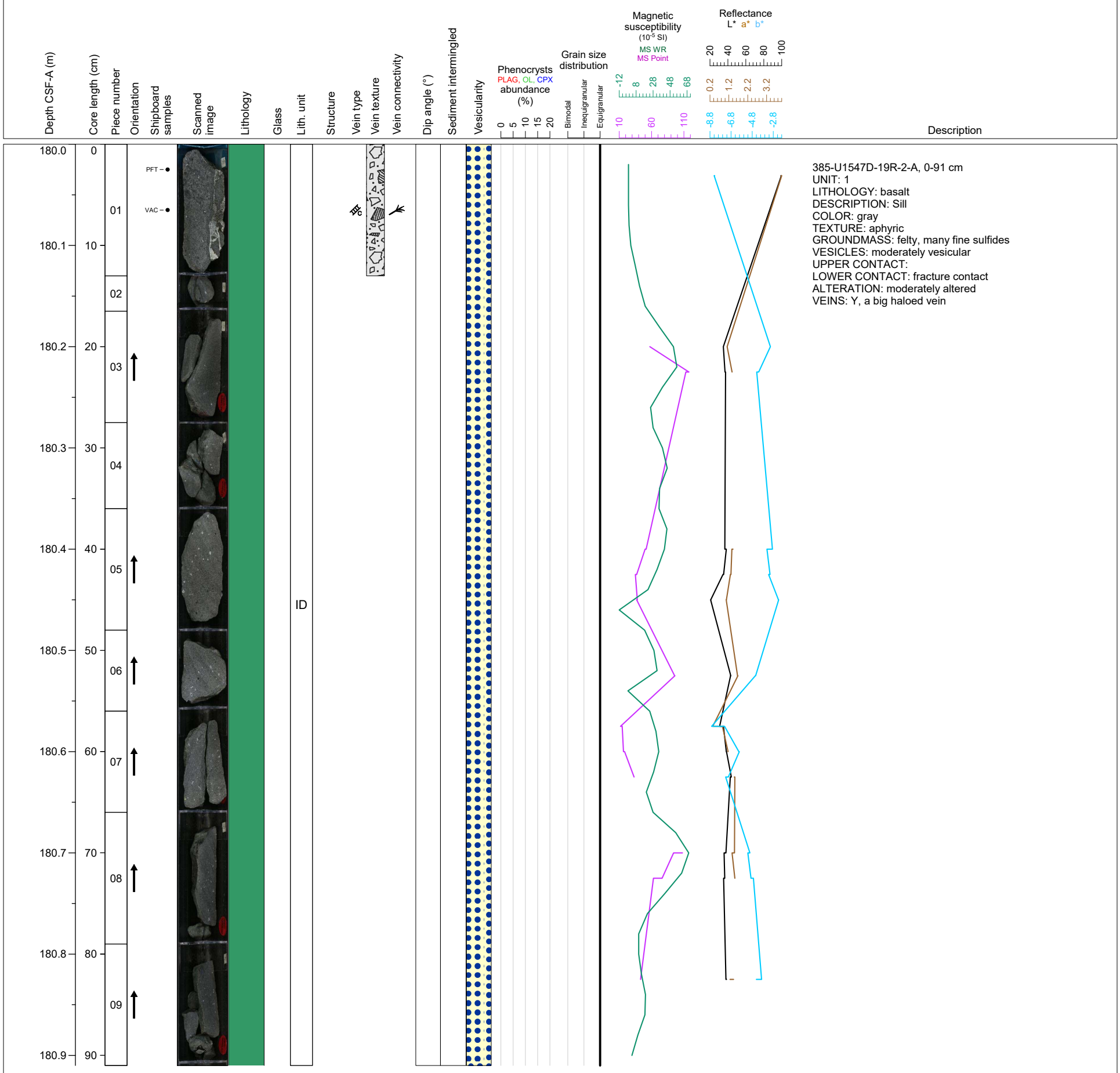
385-U1547D-18R-1-A, 0–48 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: moderately vesicular, filled with carbonate and sulfide
ALTERATION: moderately altered
VEINS: present

385-U1547D-18R-1-A, 48–150 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: moderately vesicular, filled with carbonate and sulfide
ALTERATION: moderately altered, halos present
VEINS: present

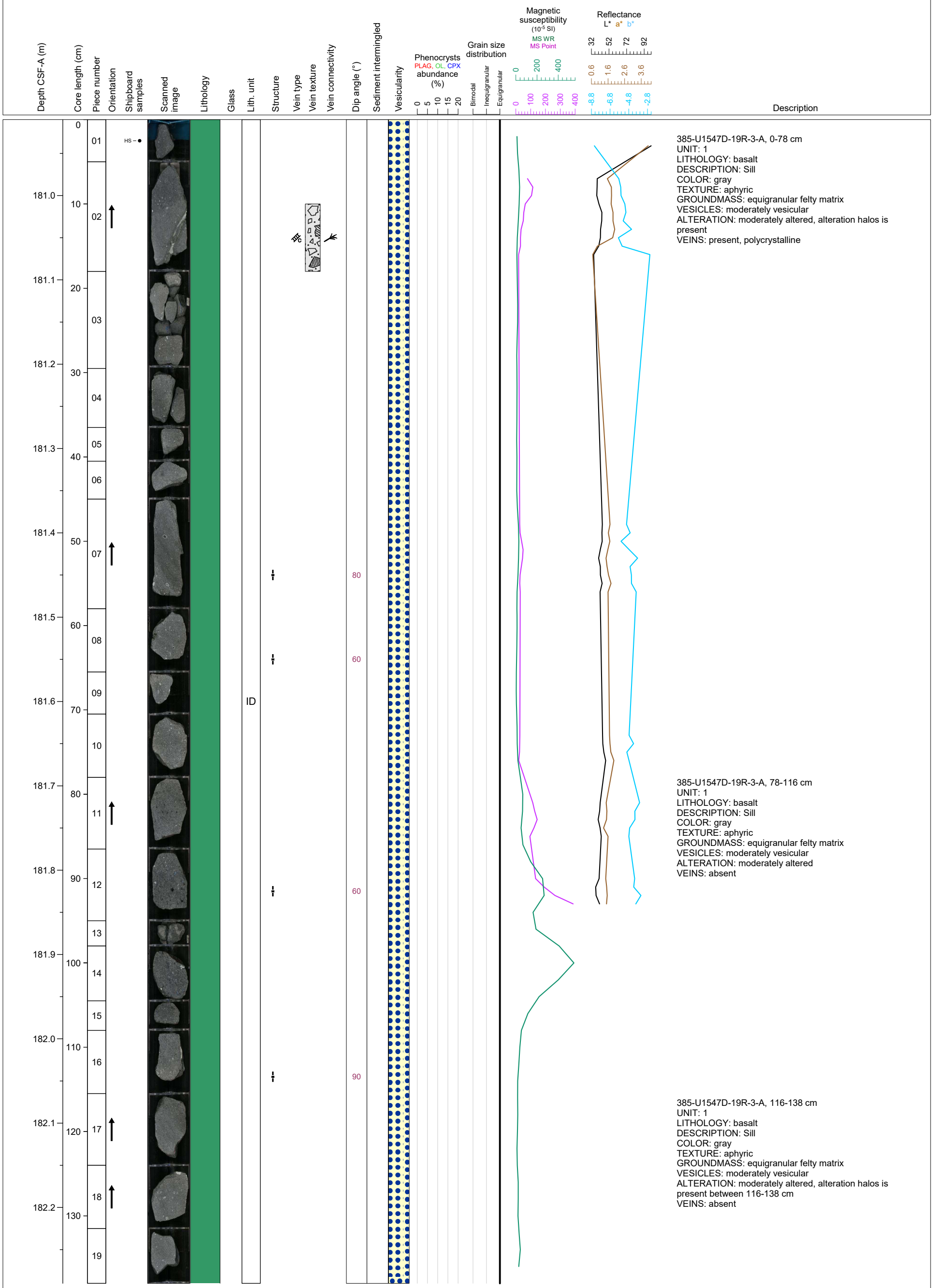
Hole 385-U1547D-19R Section 1, Top of Section: 178.6 m (CSF-A)



Hole 385-U1547D-19R Section 2, Top of Section: 180.0 m (CSF-A)



Hole 385-U1547D-19R Section 3, Top of Section: 180.91 m (CSF-A)



Hole 385-U1547D-20R Section 1, Top of Section: 183.3 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution: Bimodal, Inequigranular, Equigranular | Magnetic susceptibility (10^{-5} SI): MS WR, MS Point | Reflectance L* a* b* | Description

183.3 | 0 | 01
183.4 | 10
02
183.5 | 20
03
183.6 | 30
183.7 | 40
183.8 | 50 | 04
183.9 | 60
184.0 | 70 | 05
184.1 | 80
184.2 | 90 | 06
184.3 | 100
184.4 | 110 | 07
08
184.5 | 120 | 09
184.6 | 130 | 10

TS, ICP, TSB, MAD, VAC

ID

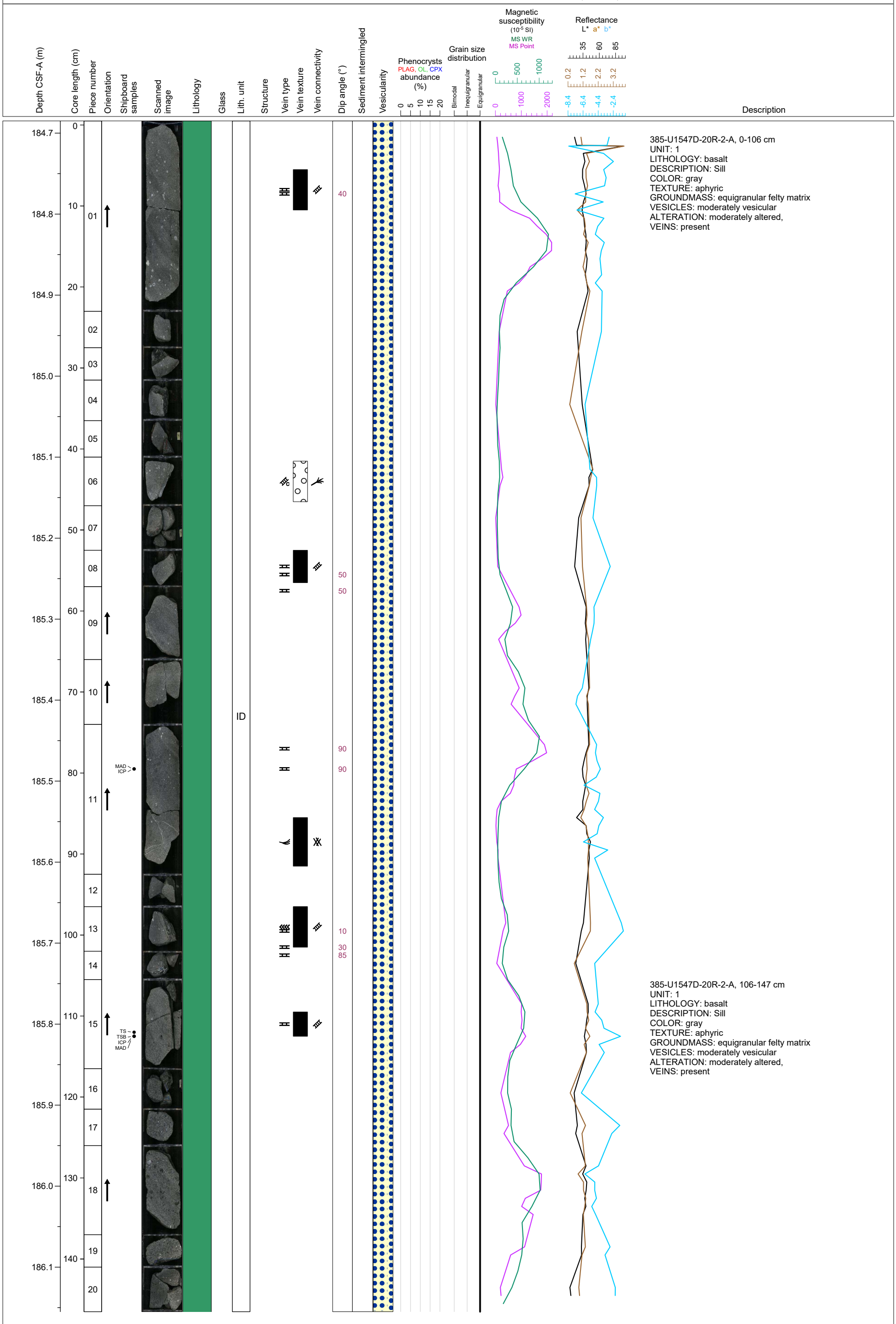
75 | 30 70 | 40 50 | 60 | 30 70 | 10 | 85 | 80 | 70

S

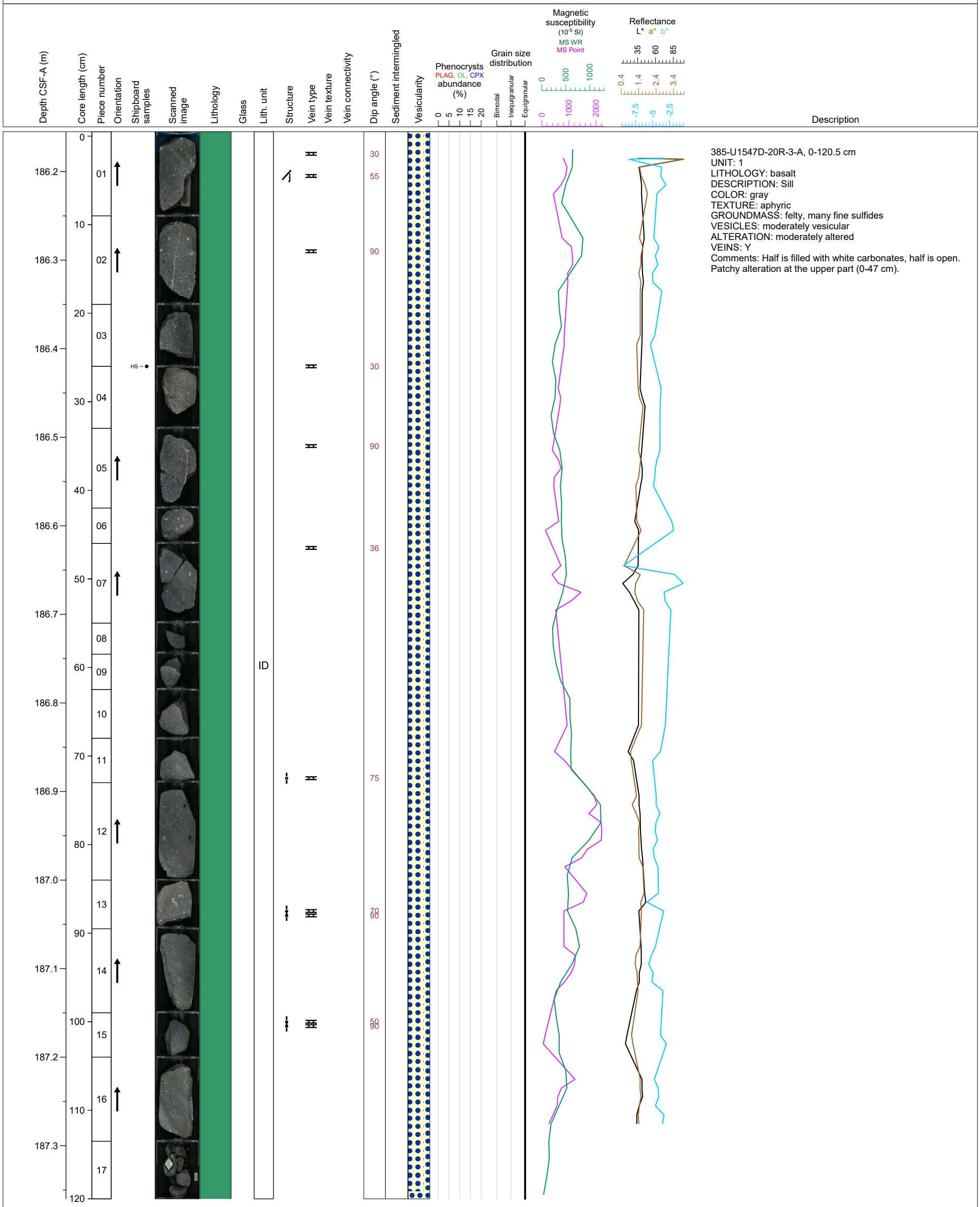
385-U1547D-20R-1-A, 0-52 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: moderately vesicular, pyrite and calcite present
ALTERATION: highly altered
VEINS: dendritic and small

385-U1547D-20R-1-A, 52–138.5 cm
UNIT: 1
LITHOLOGY: basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: equigranular felty matrix
VESICLES: highly vesicular, different sizes, partially filled by calcite
ALTERATION: moderately altered
VEINS: many, cross-cutting and up to ~10mm width

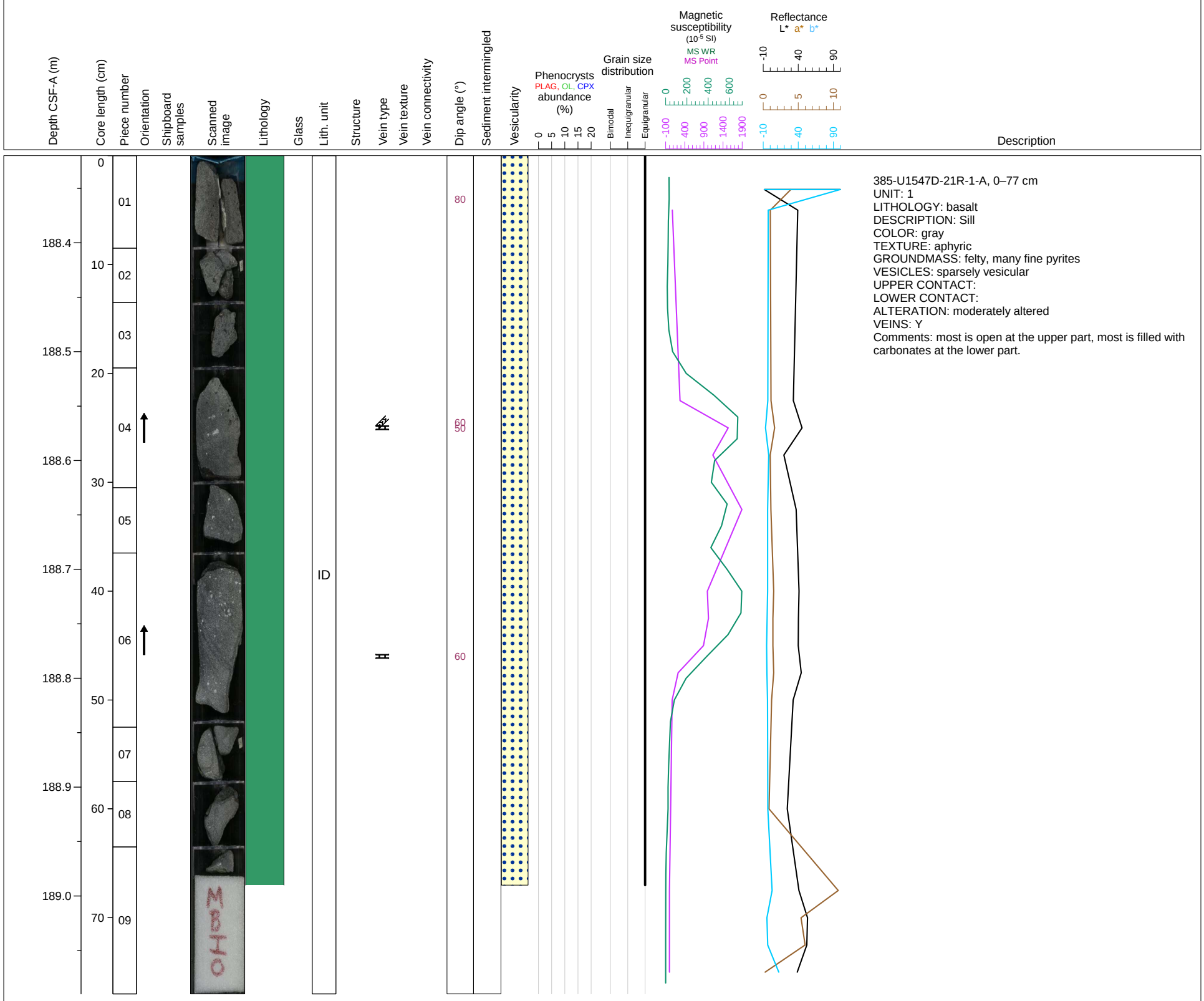
Hole 385-U1547D-20R Section 2, Top of Section: 184.685 m (CSF-A)



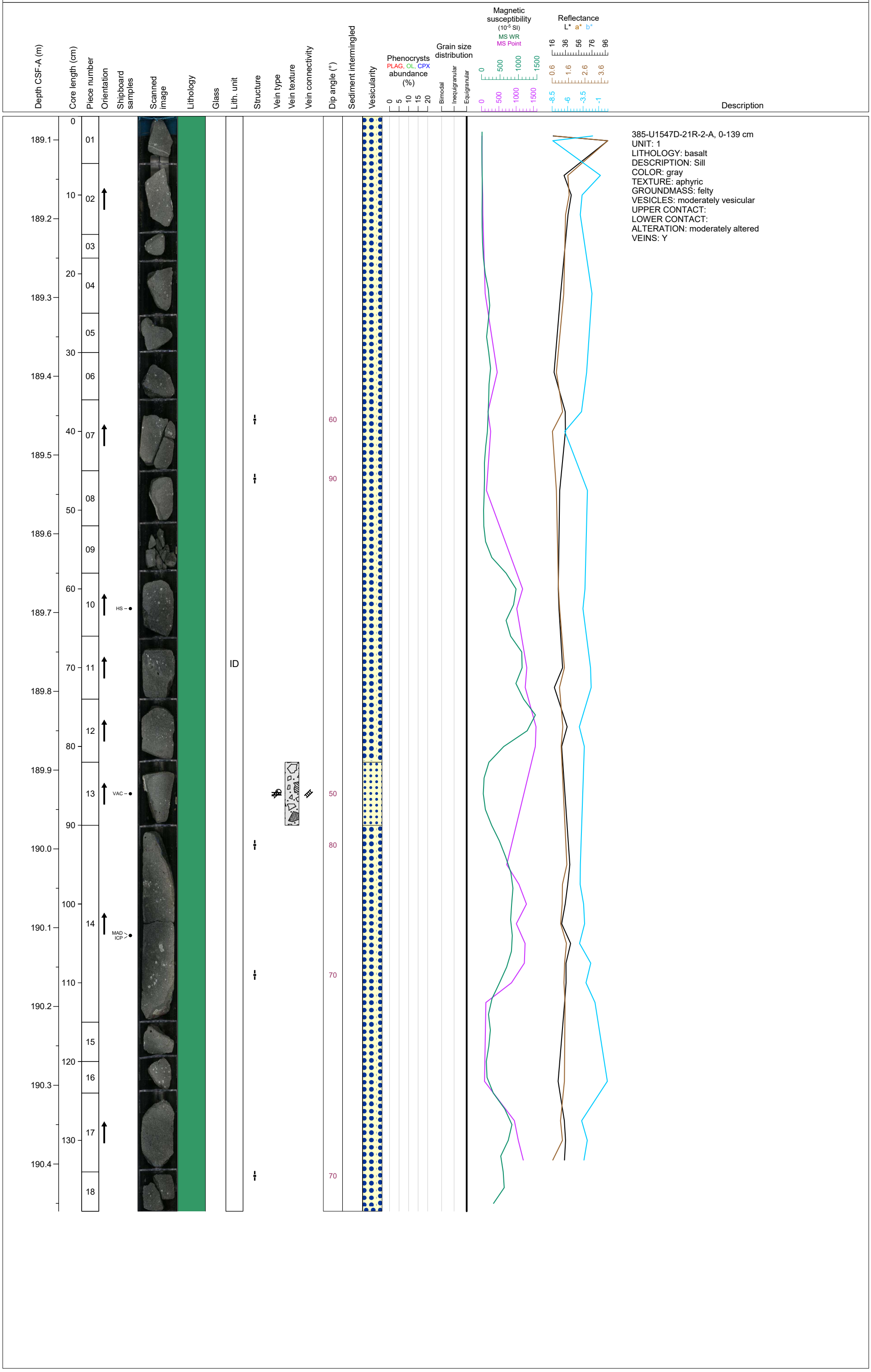
Hole 385-U1547D-20R Section 3, Top of Section: 186.155 m (CSF-A)



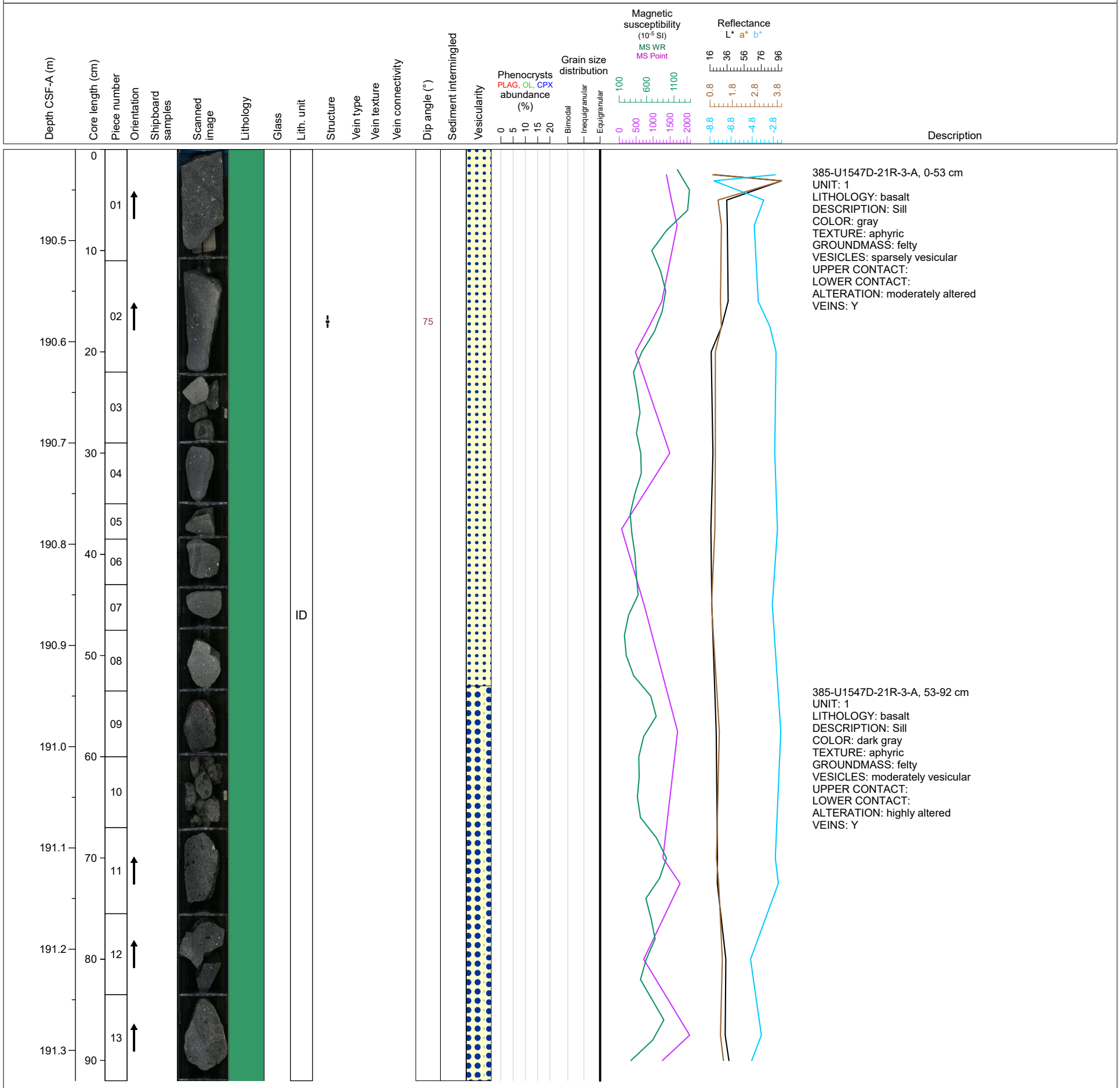
Hole 385-U1547D-21R Section 1, Top of Section: 188.3 m (CSF-A)



Hole 385-U1547D-21R Section 2, Top of Section: 189.07 m (CSF-A)



Hole 385-U1547D-21R Section 3, Top of Section: 190.46 m (CSF-A)



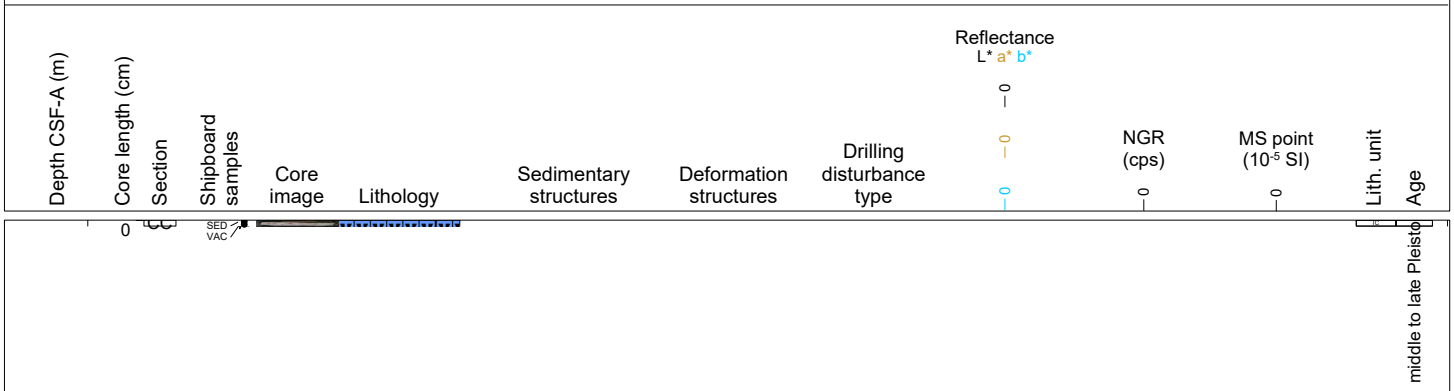
Hole 385-U1547E Core 11, Interval 0.0-0.0 m (CSF-A)

DRILLED INTERVAL 0.0-61.8 m

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Lithology	Sedimentary structures	Deformation structures	Drilling disturbance type	Reflectance L* a* b*	NGR (cps)	MS point (10^{-5} SI)	Lith. unit	Age
									0 0 0	0	0		

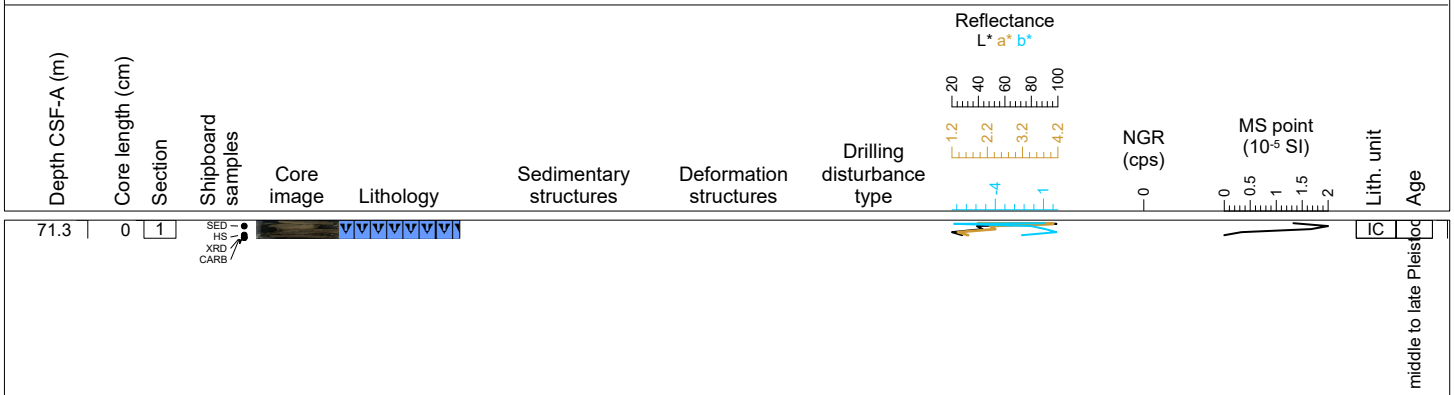
Hole 385-U1547E Core 2R, Interval 61.8-61.85 m (CSF-A)

This core consists of small fragment of indurated pale yellowish brown DIATOM MICRITE.



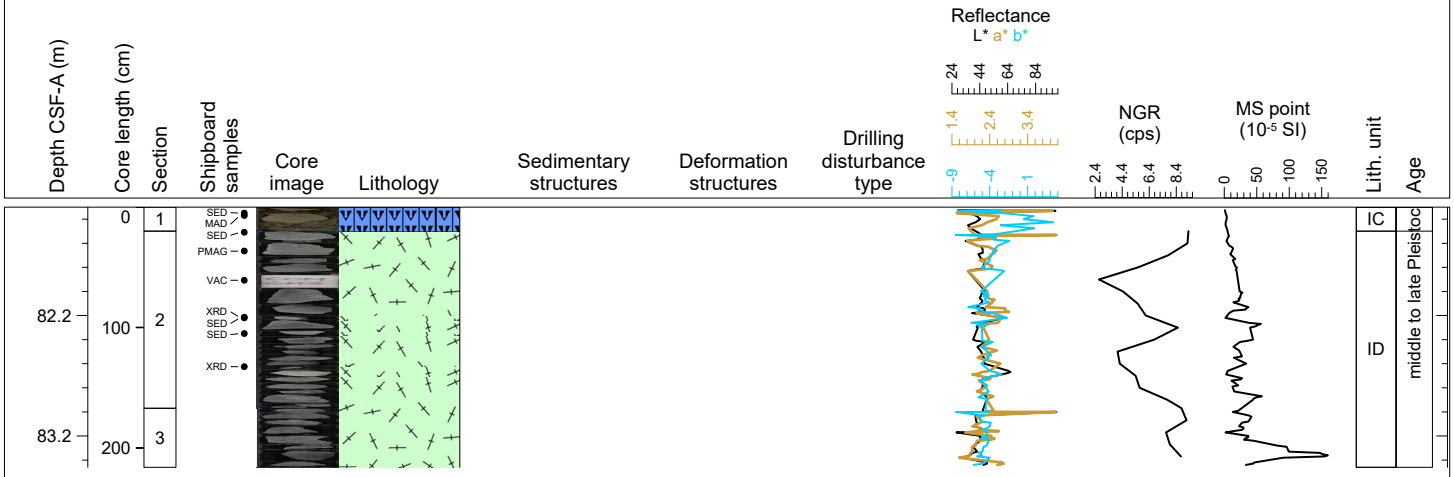
Hole 385-U1547E Core 3R, Interval 71.3-71.45 m (CSF-A)

This core consists of 3 indurated pieces of pale to dark yellowish brown (10YR 6/2 and 4/2) DIATOM MICRITE.

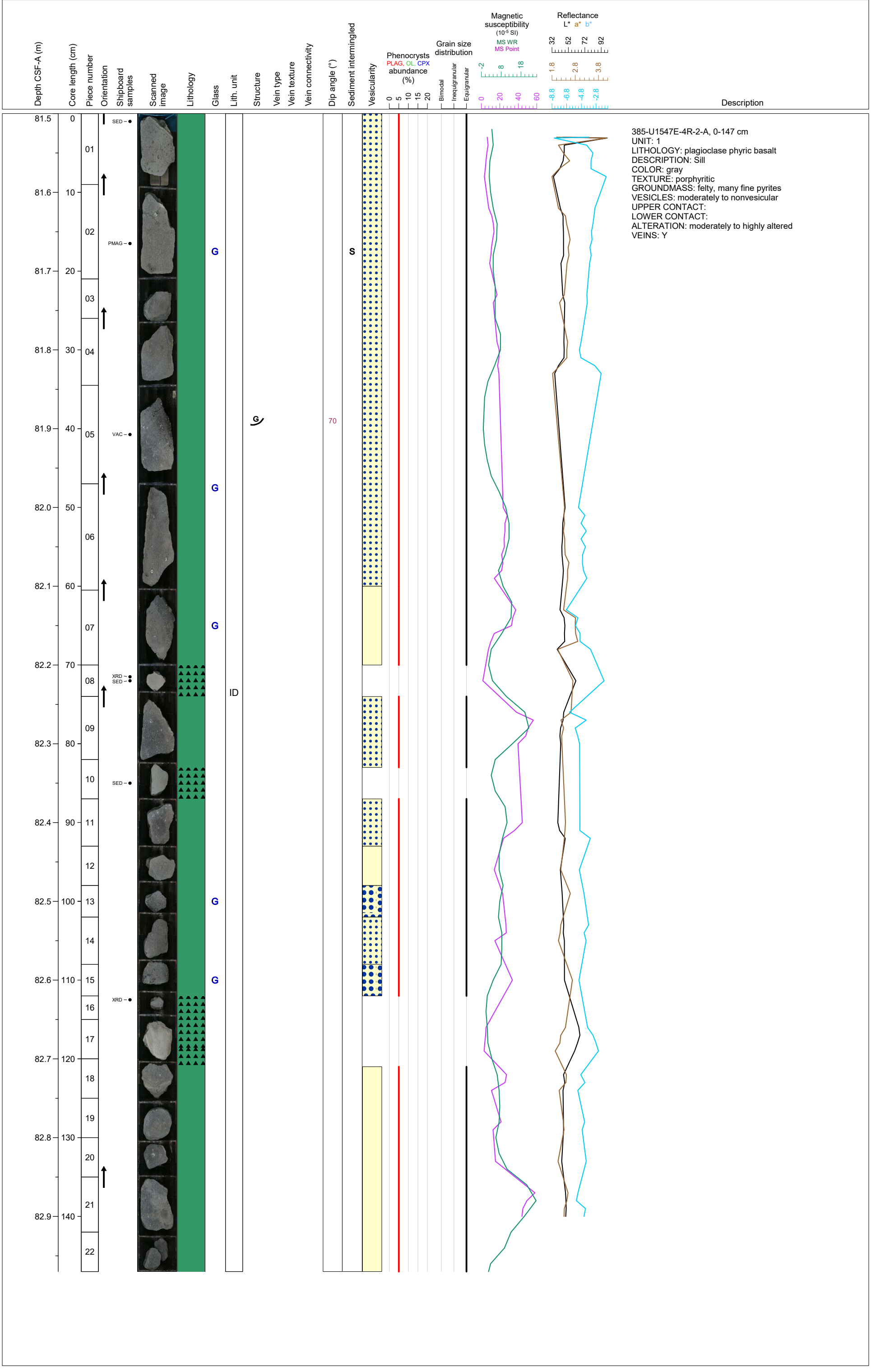


Hole 385-U1547E Core 4R, Interval 81.3-83.46 m (CSF-A)

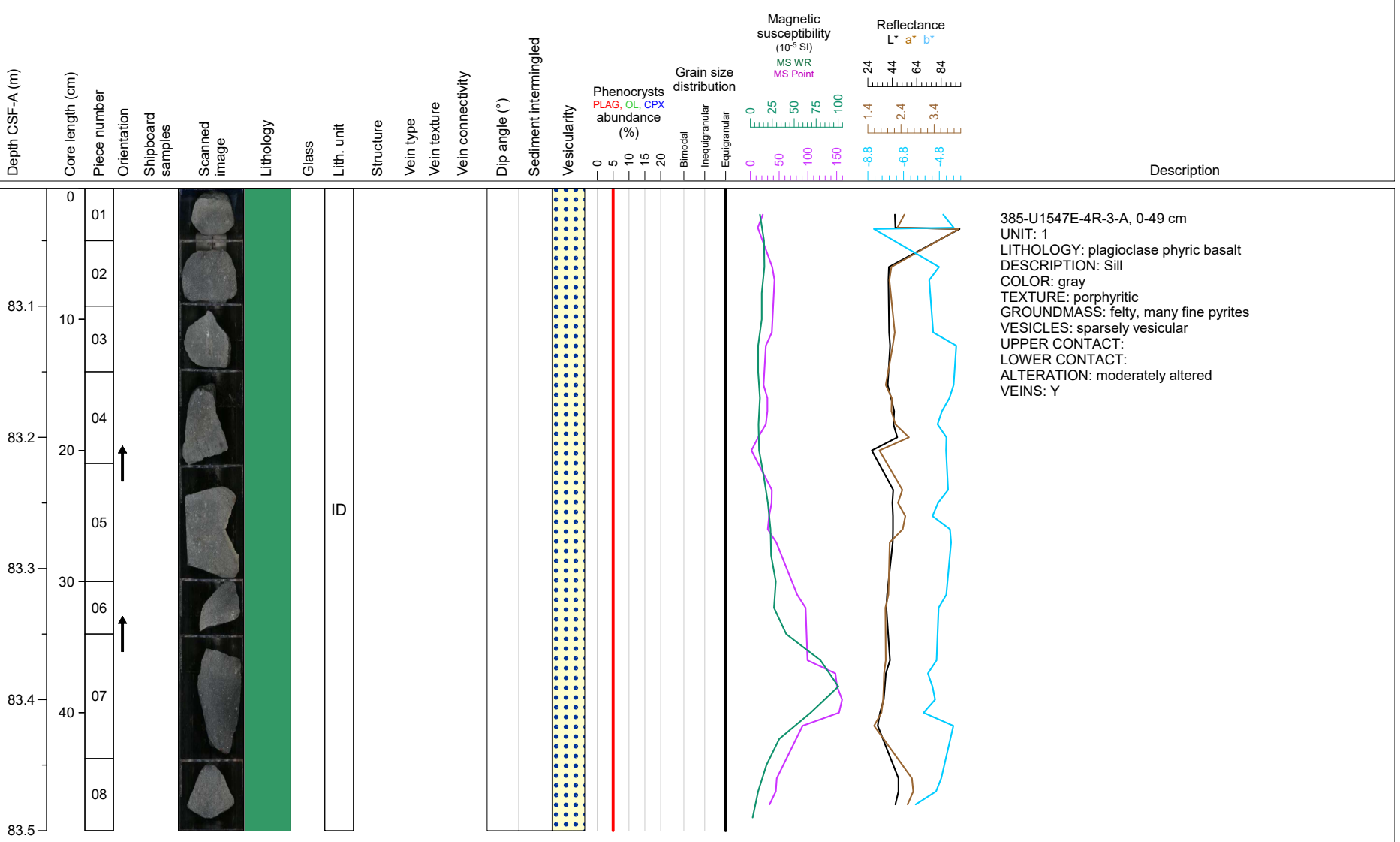
This core consists of olive gray CLAY-RICH DIATOM MICRITE and indurated DIATOM MICRITE.



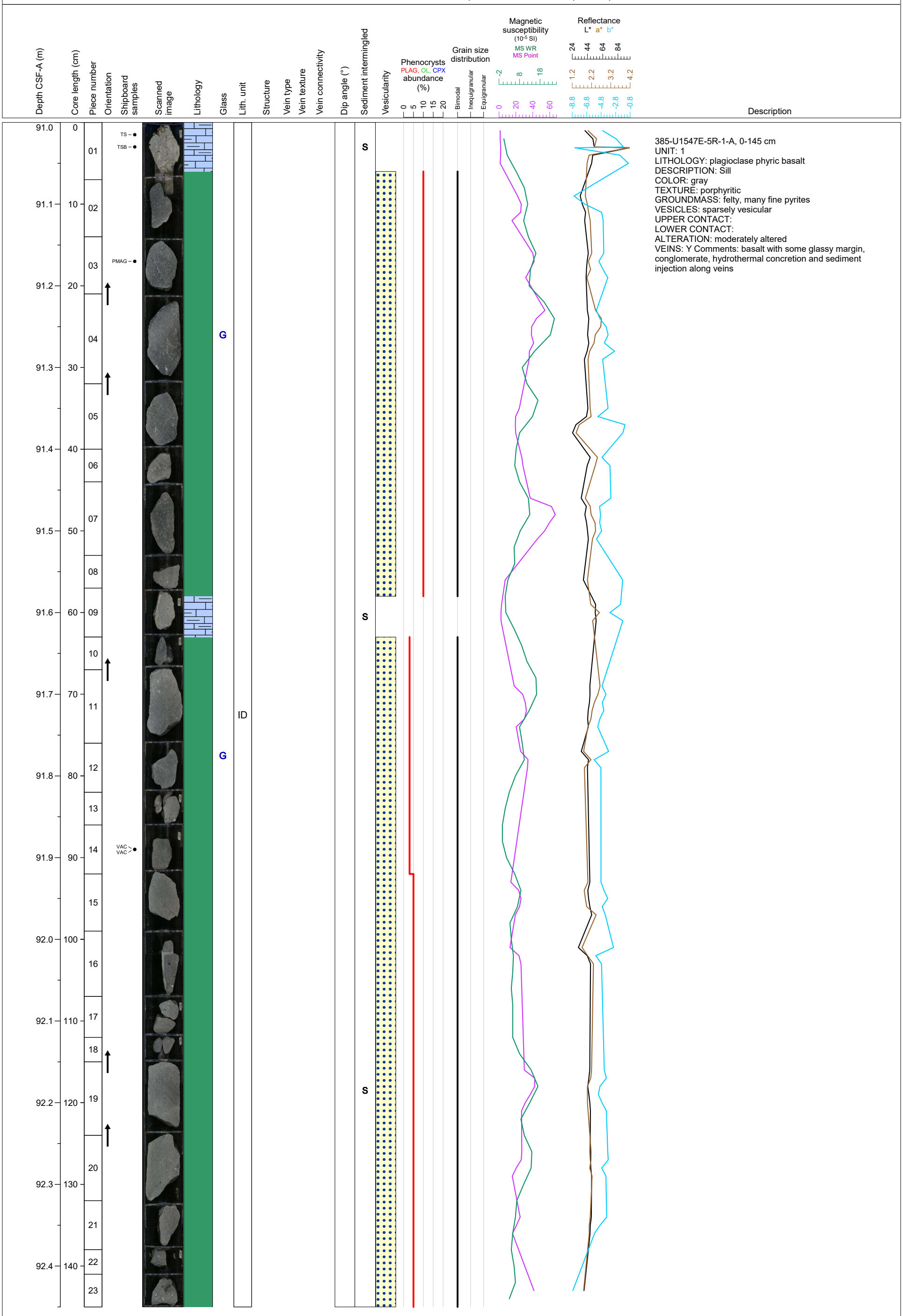
Hole 385-U1547E-4R Section 2, Top of Section: 81.5 m (CSF-A)



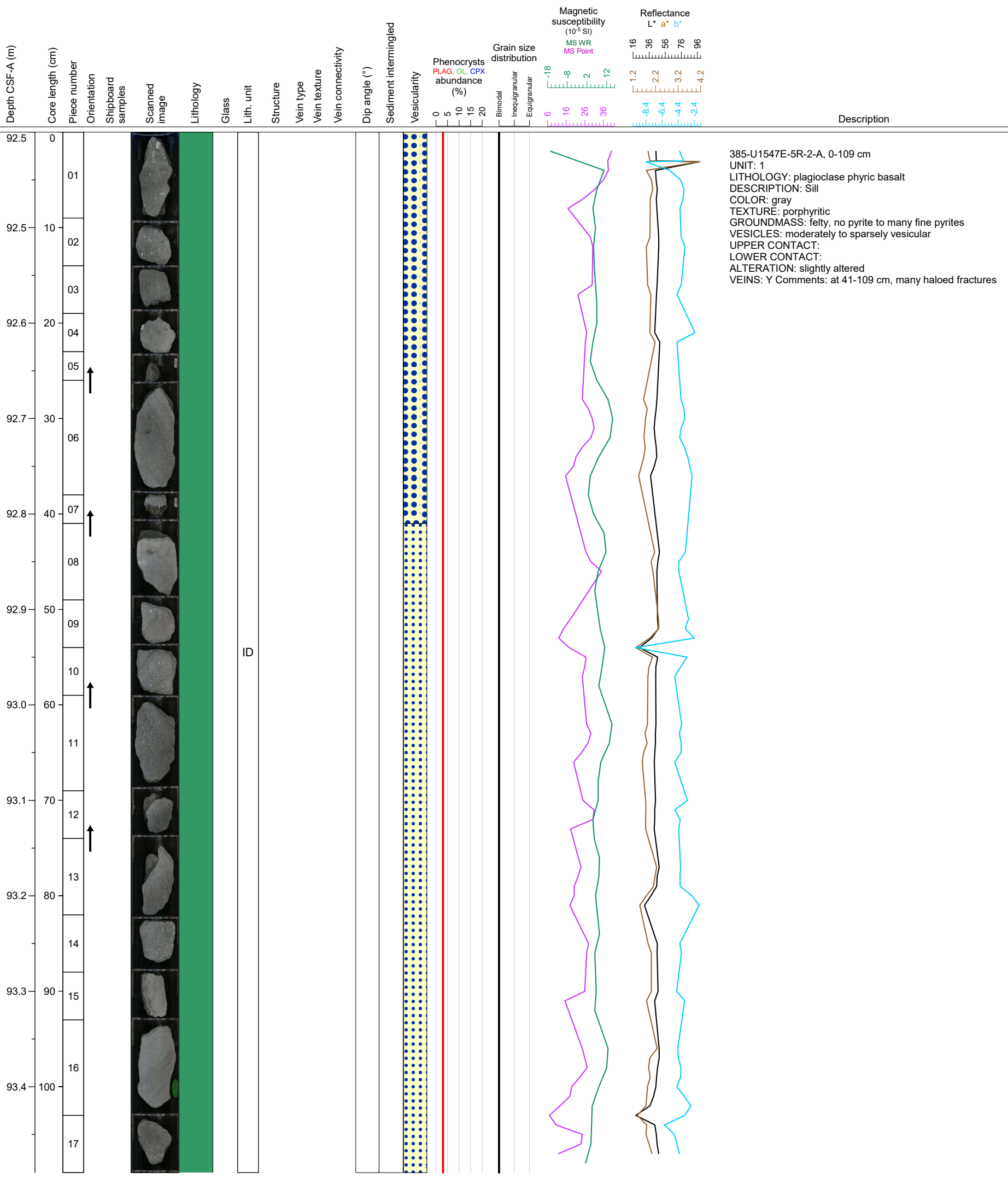
Hole 385-U1547E-4R Section 3, Top of Section: 82.97 m (CSF-A)



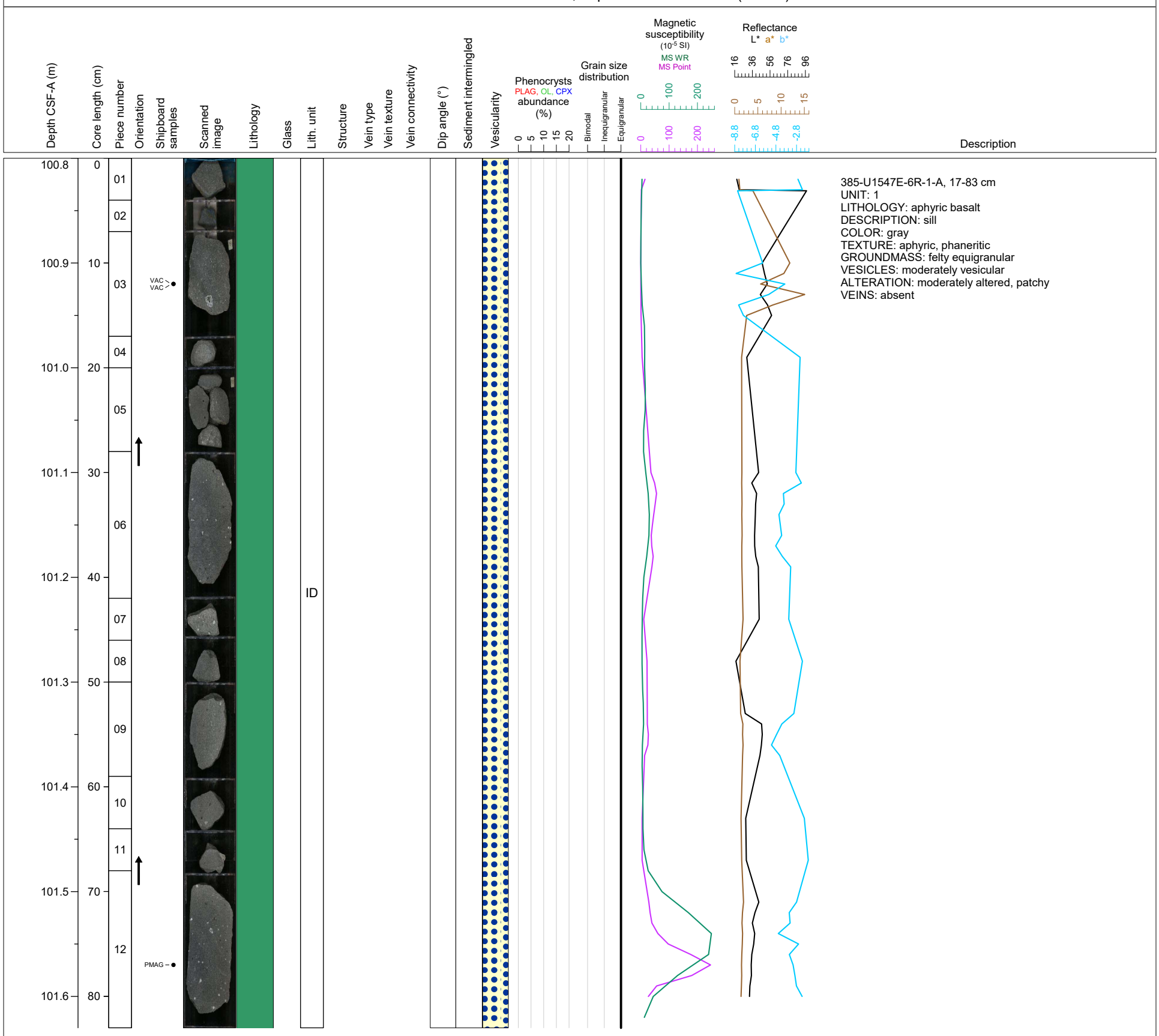
Hole 385-U1547E-5R Section 1, Top of Section: 91.0 m (CSF-A)



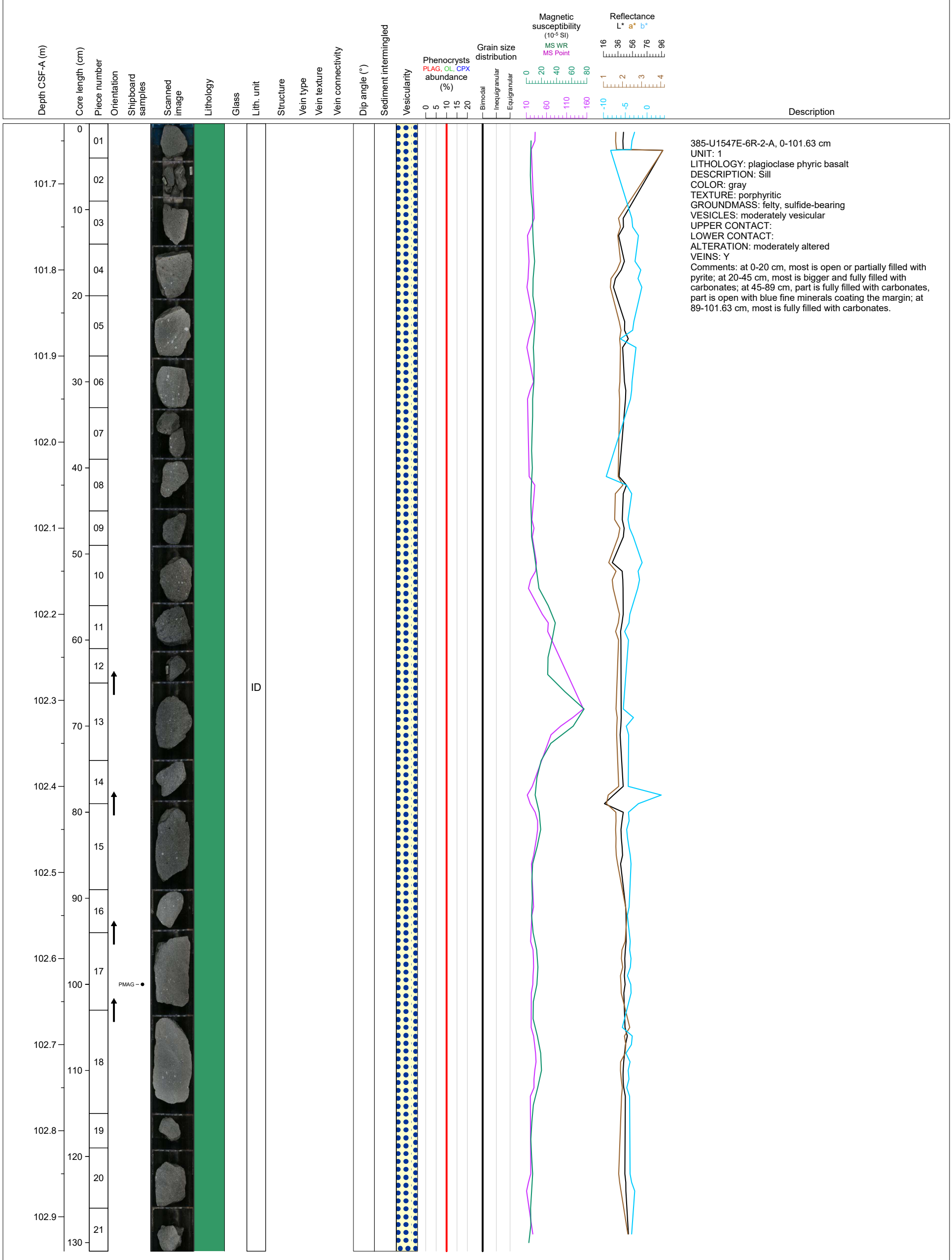
Hole 385-U1547E-5R Section 2, Top of Section: 92.45 m (CSF-A)



Hole 385-U1547E-6R Section 1, Top of Section: 100.8 m (CSF-A)

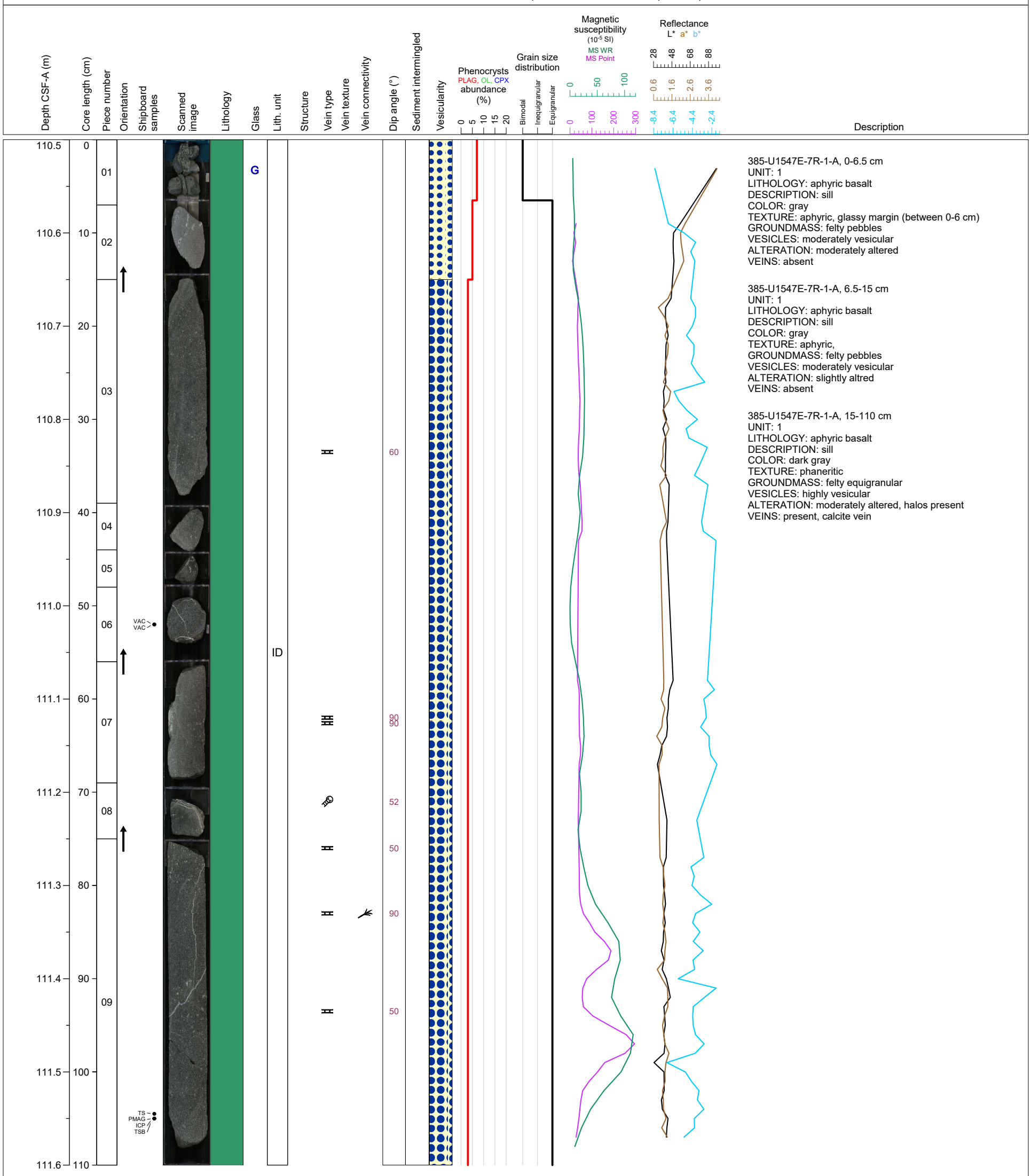


Hole 385-U1547E-6R Section 2, Top of Section: 101.63 m (CSF-A)

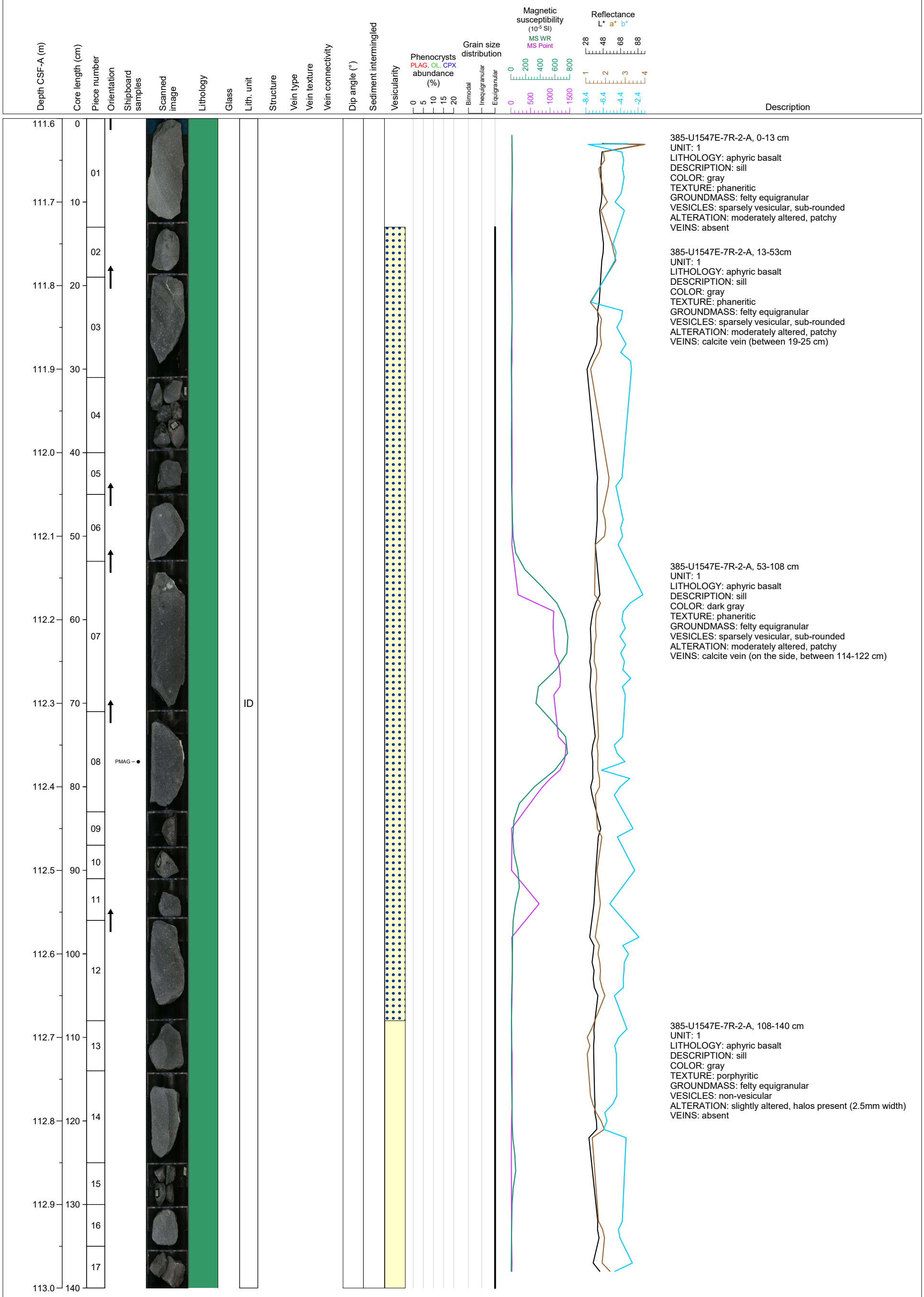


385-U1547E-6R-2-A, 0-101.63 cm
UNIT: 1
LITHOLOGY: plagioclase phyric basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: porphyritic
GROUNDMASS: felty, sulfide-bearing
VESICLES: moderately vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: Y
Comments: at 0-20 cm, most is open or partially filled with pyrite; at 20-45 cm, most is bigger and fully filled with carbonates; at 45-89 cm, part is fully filled with carbonates, part is open with blue fine minerals coating the margin; at 89-101.63 cm, most is fully filled with carbonates.

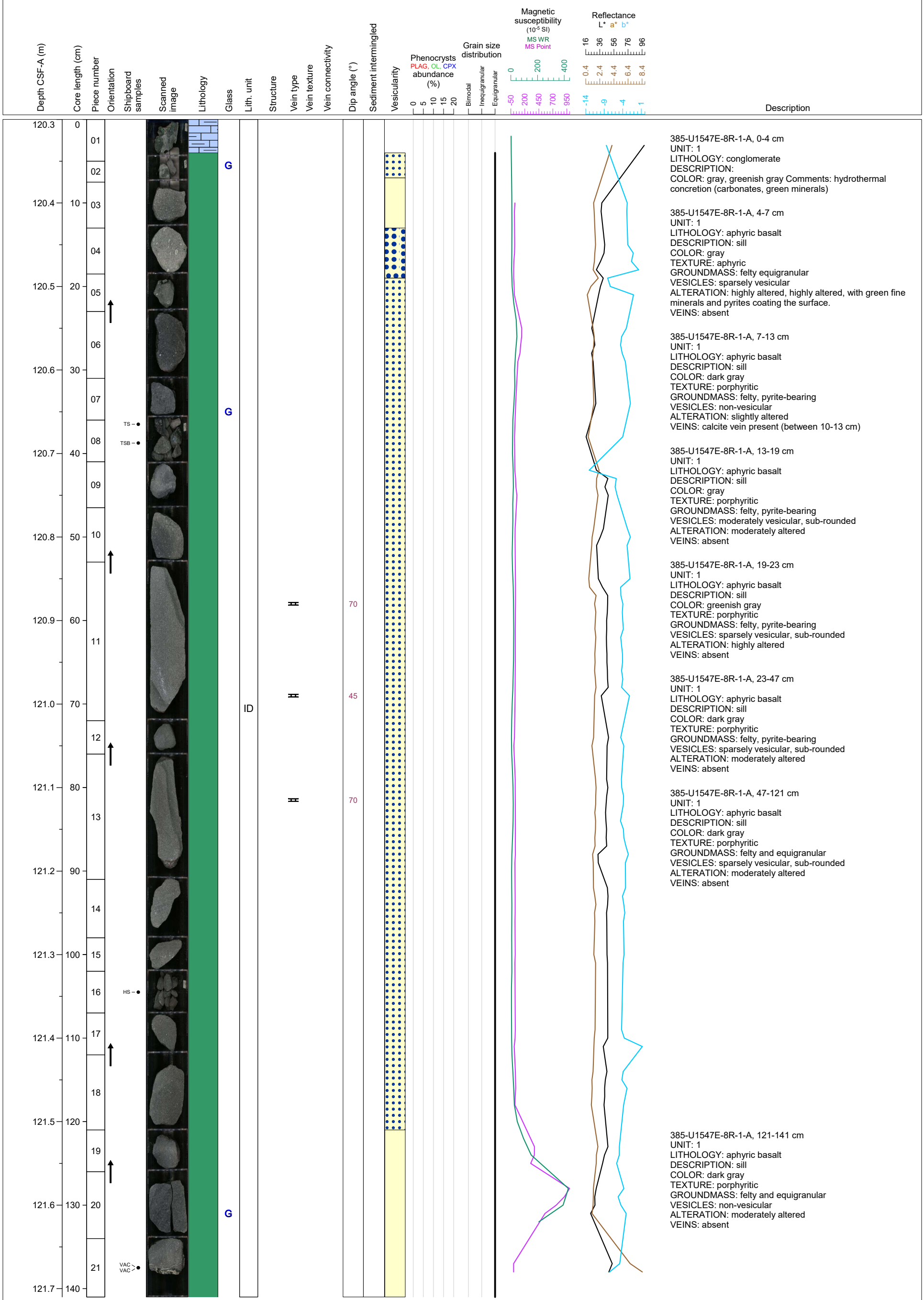
Hole 385-U1547E-7R Section 1, Top of Section: 110.5 m (CSF-A)



Hole 385-U1547E-7R Section 2, Top of Section: 111.6 m (CSF-A)



Hole 385-U1547E-8R Section 1, Top of Section: 120.3 m (CSF-A)



385-U1547E-8R-1-A, 0-4 cm
UNIT: 1
LITHOLOGY: conglomerate
DESCRIPTION:
COLOR: gray, greenish gray Comments: hydrothermal concretion (carbonates, green minerals)

385-U1547E-8R-1-A, 4-7 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: felty equigranular
VESICLES: sparsely vesicular
ALTERATION: highly altered, highly altered, with green fine minerals and pyrites coating the surface.
VEINS: absent

385-U1547E-8R-1-A, 7-13 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: dark gray
TEXTURE: porphyritic
GROUNDMASS: felty, pyrite-bearing
VESICLES: non-vesicular
ALTERATION: slightly altered
VEINS: calcite vein present (between 10-13 cm)

385-U1547E-8R-1-A, 13-19 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: gray
TEXTURE: porphyritic
GROUNDMASS: felty, pyrite-bearing
VESICLES: moderately vesicular, sub-rounded
ALTERATION: moderately altered
VEINS: absent

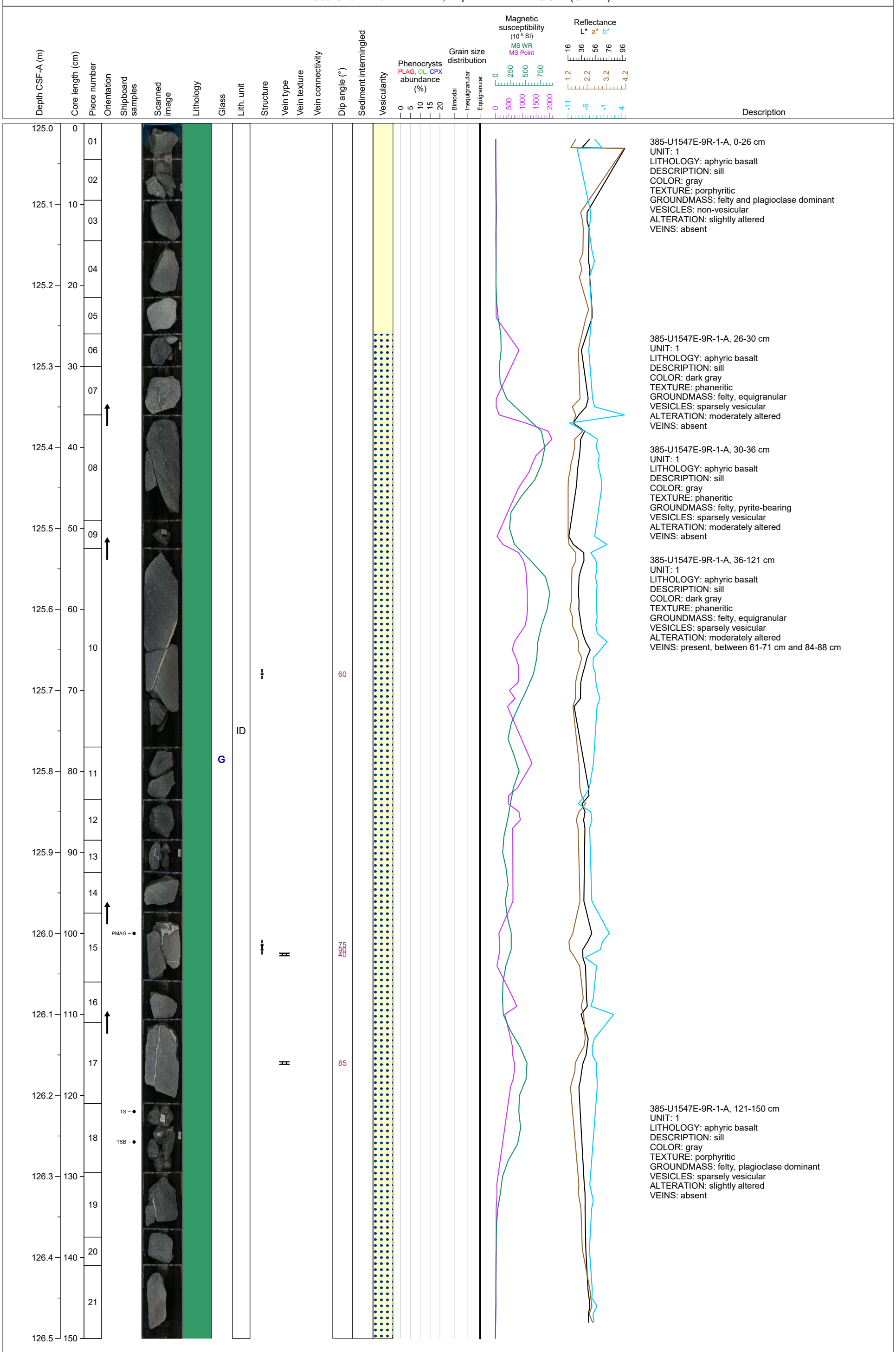
385-U1547E-8R-1-A, 19-23 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: greenish gray
TEXTURE: porphyritic
GROUNDMASS: felty, pyrite-bearing
VESICLES: sparsely vesicular, sub-rounded
ALTERATION: highly altered
VEINS: absent

385-U1547E-8R-1-A, 23-47 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: dark gray
TEXTURE: porphyritic
GROUNDMASS: felty, pyrite-bearing
VESICLES: sparsely vesicular, sub-rounded
ALTERATION: moderately altered
VEINS: absent

385-U1547E-8R-1-A, 47-121 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: dark gray
TEXTURE: porphyritic
GROUNDMASS: felty and equigranular
VESICLES: sparsely vesicular, sub-rounded
ALTERATION: moderately altered
VEINS: absent

385-U1547E-8R-1-A, 121-141 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: dark gray
TEXTURE: porphyritic
GROUNDMASS: felty and equigranular
VESICLES: non-vesicular
ALTERATION: moderately altered
VEINS: absent

Hole 385-U1547E-9R Section 1, Top of Section: 125.0 m (CSF-A)



385-U1547E-9R-1-A, 0-26 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: gray
TEXTURE: porphyritic
GROUNDMASS: felty and plagioclase dominant
VESICLES: non-vesicular
ALTERATION: slightly altered
VEINS: absent

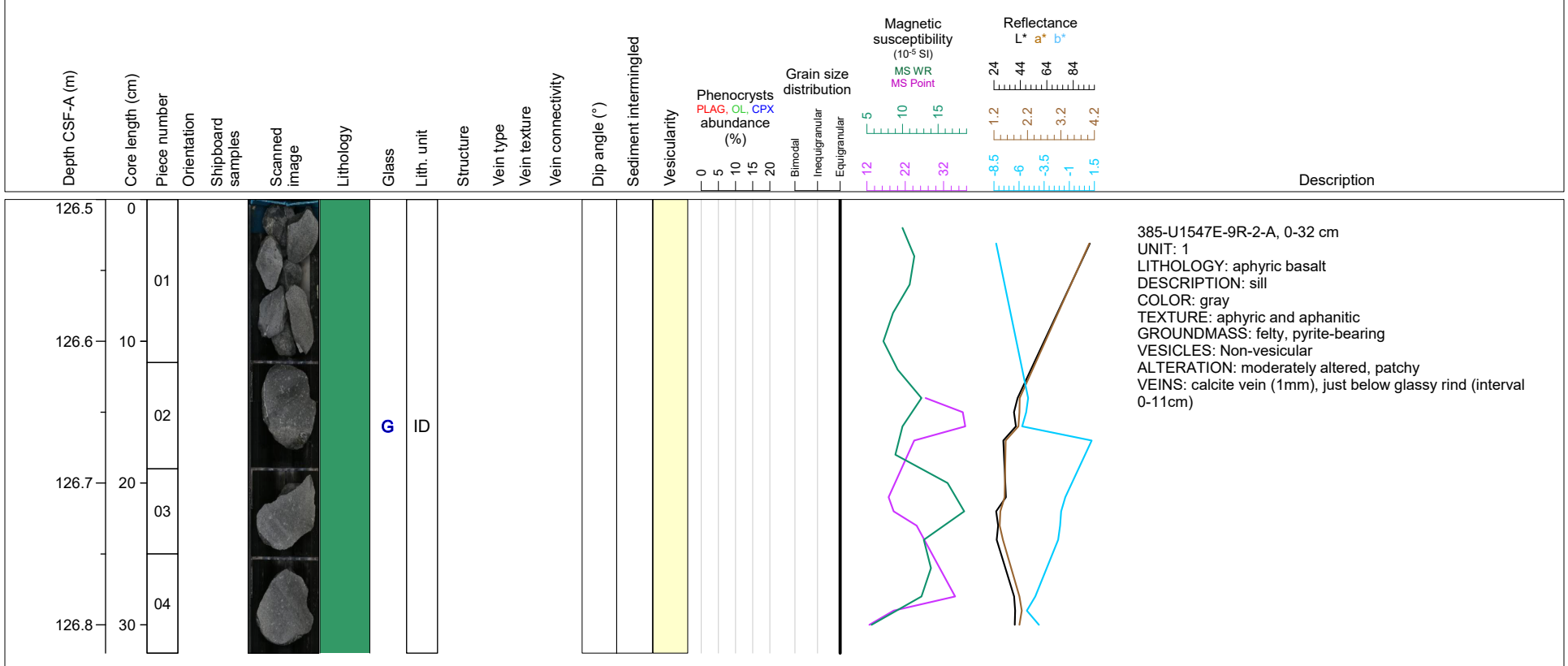
385-U1547E-9R-1-A, 26-30 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: dark gray
TEXTURE: phaneritic
GROUNDMASS: felty, equigranular
VESICLES: sparsely vesicular
ALTERATION: moderately altered
VEINS: absent

385-U1547E-9R-1-A, 30-36 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: gray
TEXTURE: phaneritic
GROUNDMASS: felty, pyrite-bearing
VESICLES: sparsely vesicular
ALTERATION: moderately altered
VEINS: absent

385-U1547E-9R-1-A, 36-121 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: dark gray
TEXTURE: phaneritic
GROUNDMASS: felty, equigranular
VESICLES: sparsely vesicular
ALTERATION: moderately altered
VEINS: present, between 61-71 cm and 84-88 cm

385-U1547E-9R-1-A, 121-150 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: gray
TEXTURE: porphyritic
GROUNDMASS: felty, plagioclase dominant
VESICLES: sparsely vesicular
ALTERATION: slightly altered
VEINS: absent

Hole 385-U1547E-9R Section 2, Top of Section: 126.5 m (CSF-A)



Hole 385-U1547E-10R Section 1, Top of Section: 130.0 m (CSF-A)

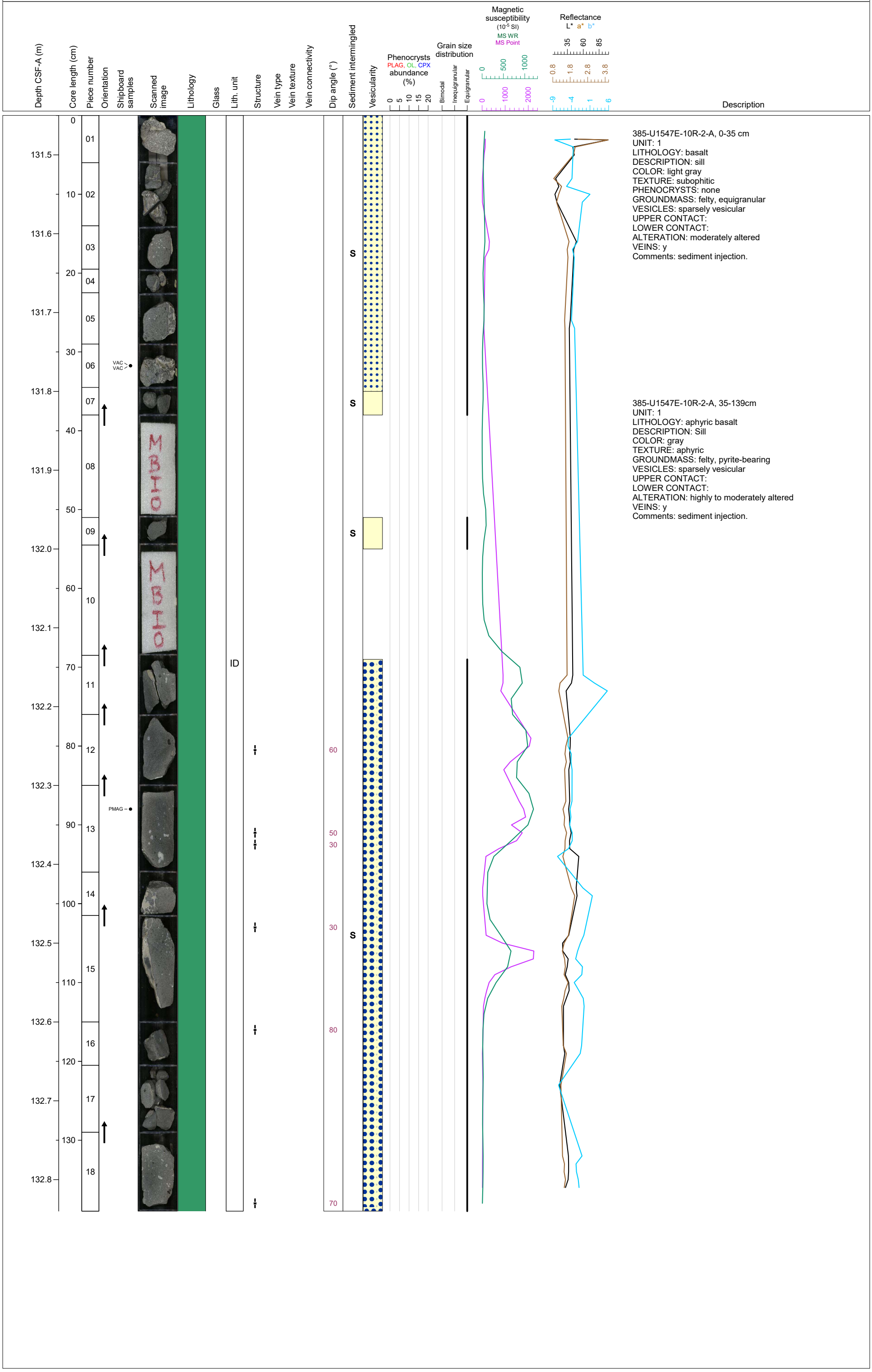
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Lithology
Glass
Lith. unit
Structure
Vein type
Vein texture
Vein connectivity
Dip angle (°)
Sediment intermingled
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Grain size distribution
Magnetic susceptibility (10^{-5} SI)
MS WR
MS Point
Reflectance L* a* b*
Description

130.0 – 0 – 01
130.1 – 10 – 02, 03
130.2 – 20 – 04
130.3 – 30
130.4 – 40
130.5 – 50 – 05
130.6 – 60
130.7 – 70
130.8 – 80
130.9 – 90 – 06
131.0 – 100
131.1 – 110 – 07, 08
131.2 – 120 – 09
131.3 – 130 – 10
131.4 – 140 – 11

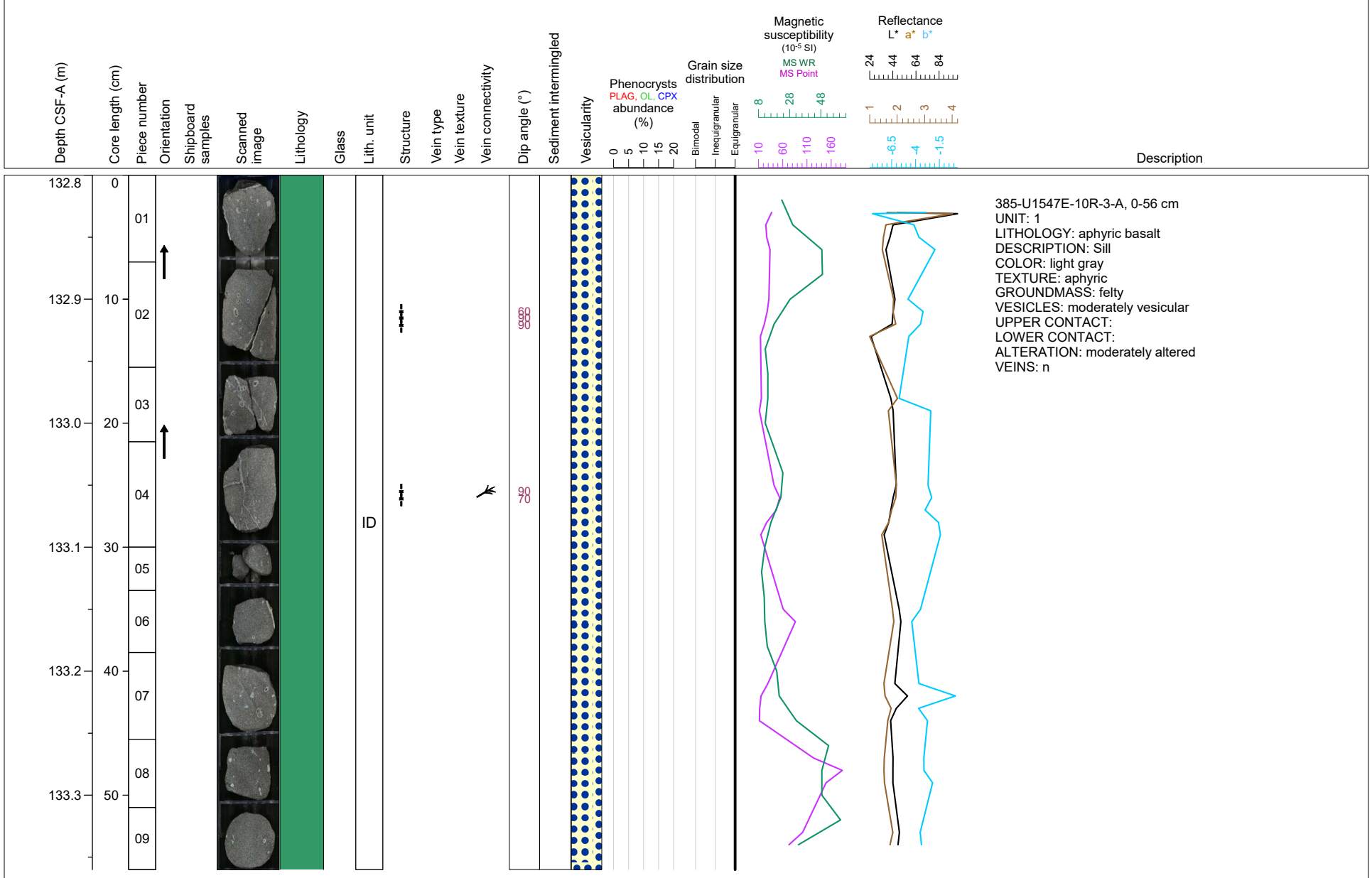
Glass: G
Lith. unit: ID
Structure: S
Vein type: j
Vein texture: fr
Sediment intermingled: S (40, 90)

385-U1547E-10R-1-A, 0-110 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: felty, pyrite-bearing, one small piece have glass margin.
VESICLES: non vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: highly to moderately altered
VEINS: y
Comments: sediment injection with ~2 cm wide. The description just base on the small pieces return from

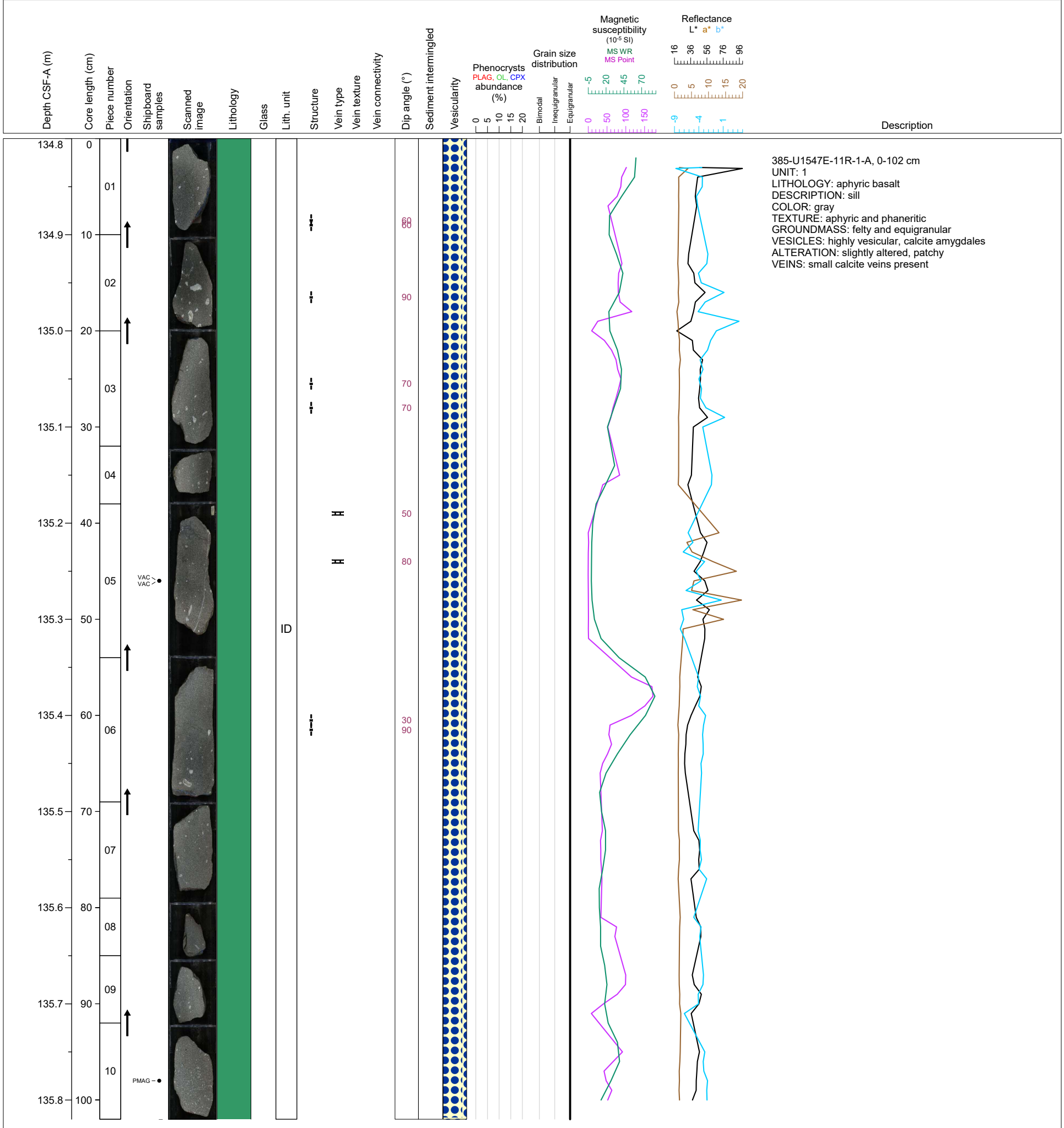
Hole 385-U1547E-10R Section 2, Top of Section: 131.45 m (CSF-A)



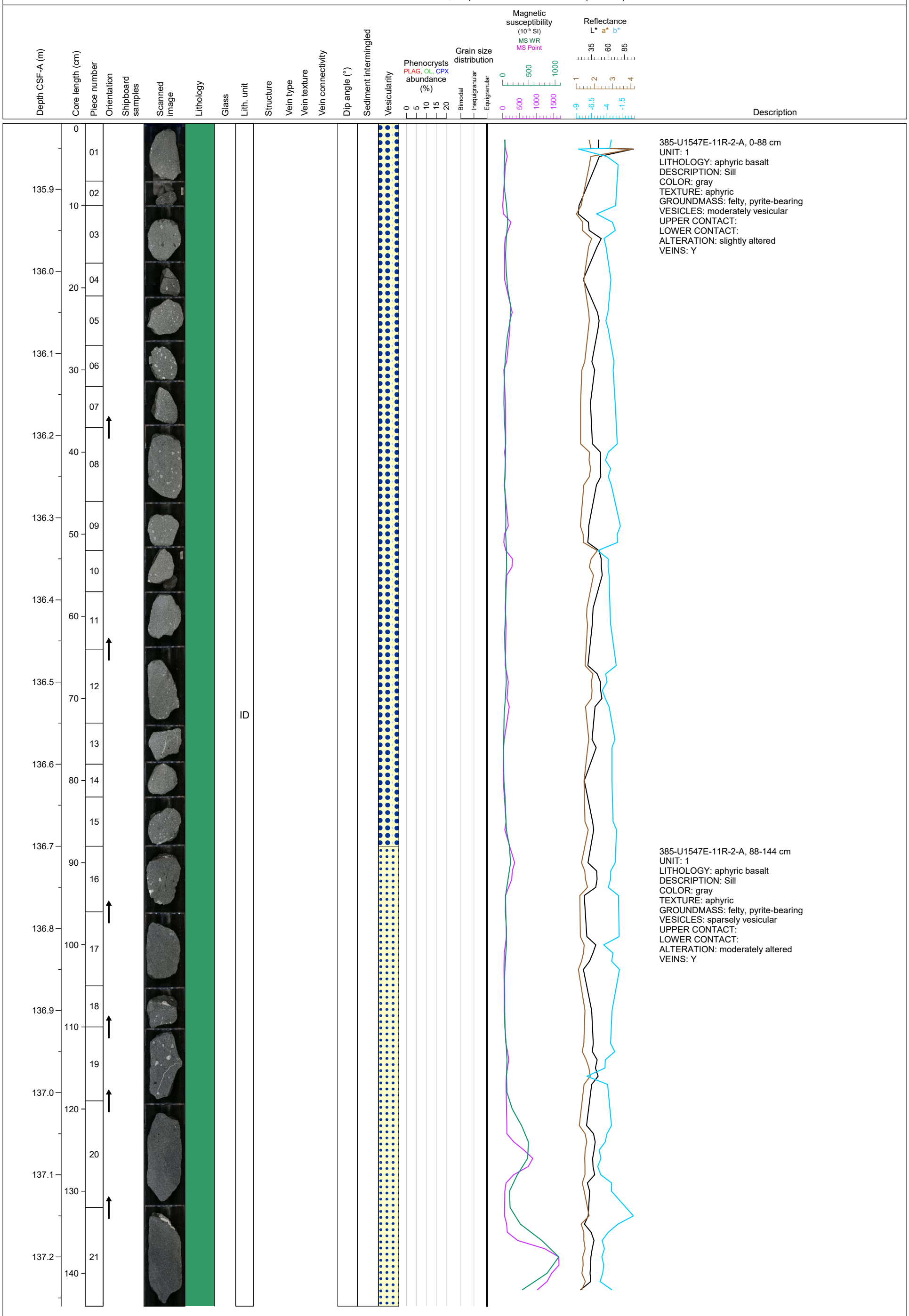
Hole 385-U1547E-10R Section 3, Top of Section: 132.84 m (CSF-A)



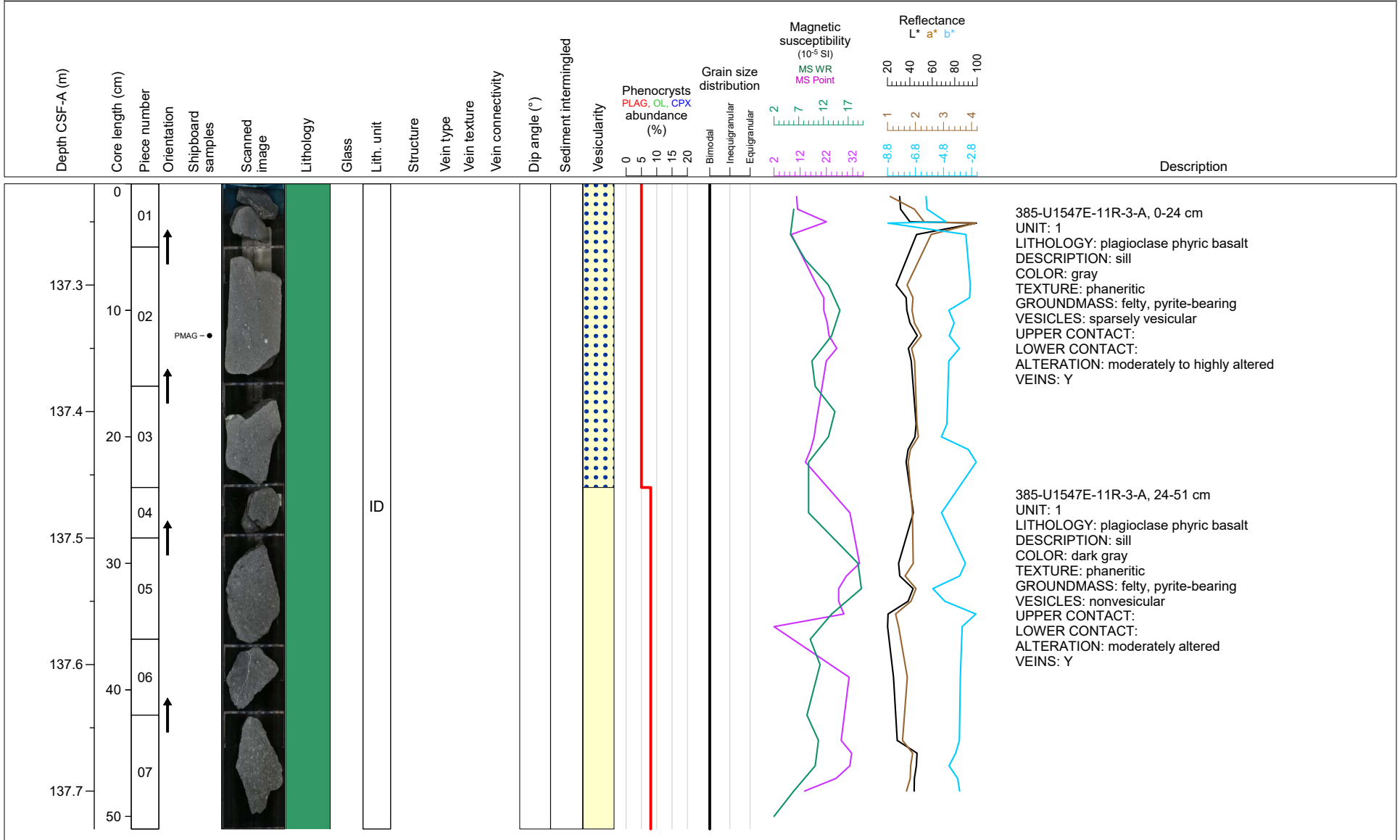
Hole 385-U1547E-11R Section 1, Top of Section: 134.8 m (CSF-A)



Hole 385-U1547E-11R Section 2, Top of Section: 135.82 m (CSF-A)



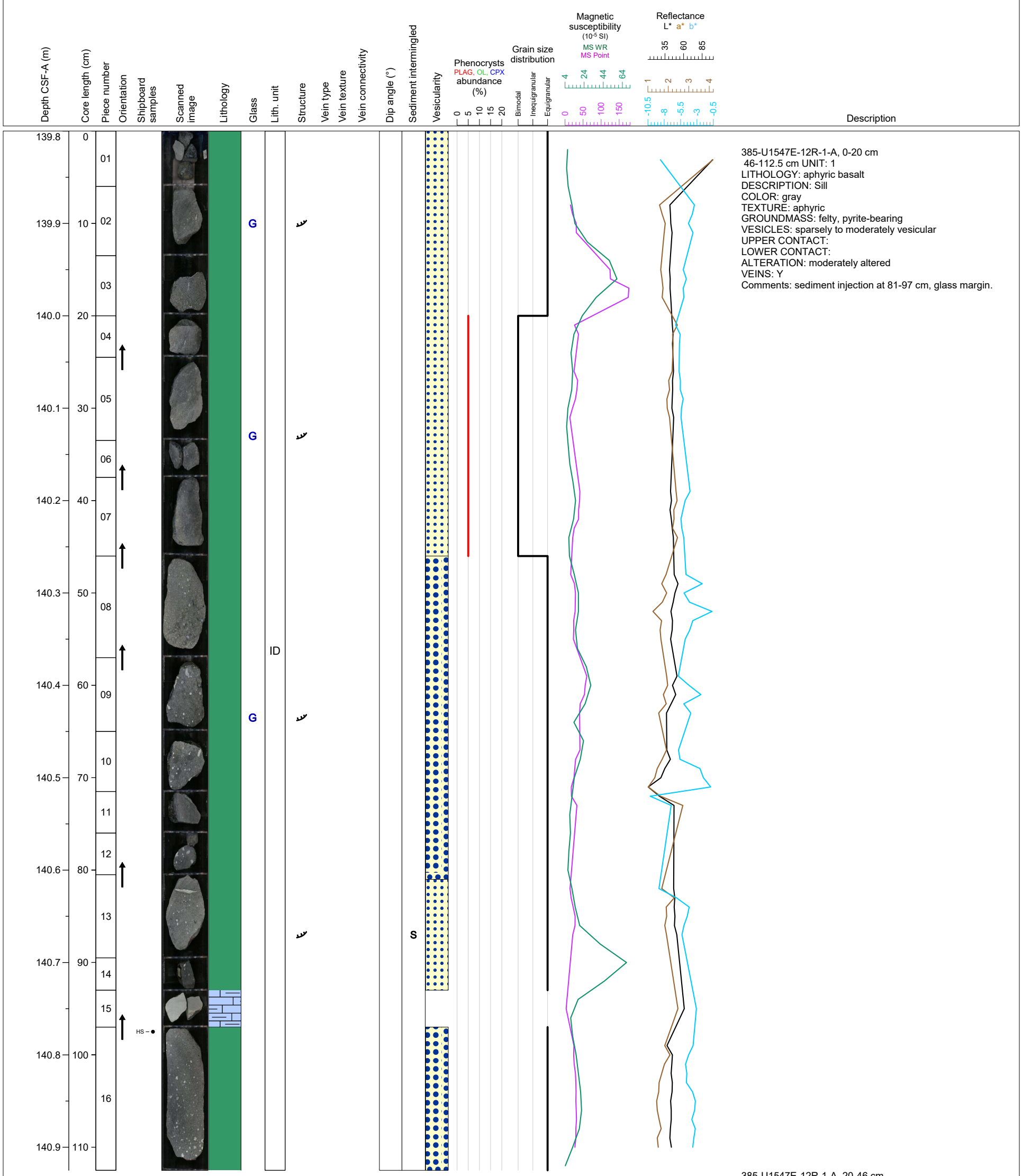
Hole 385-U1547E-11R Section 3, Top of Section: 137.26 m (CSF-A)



385-U1547E-11R-3-A, 0-24 cm
UNIT: 1
LITHOLOGY: plagioclase phyric basalt
DESCRIPTION: sill
COLOR: gray
TEXTURE: phaneritic
GROUNDMASS: felty, pyrite-bearing
VESICLES: sparsely vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately to highly altered
VEINS: Y

385-U1547E-11R-3-A, 24-51 cm
UNIT: 1
LITHOLOGY: plagioclase phyric basalt
DESCRIPTION: sill
COLOR: dark gray
TEXTURE: phaneritic
GROUNDMASS: felty, pyrite-bearing
VESICLES: nonvesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: Y

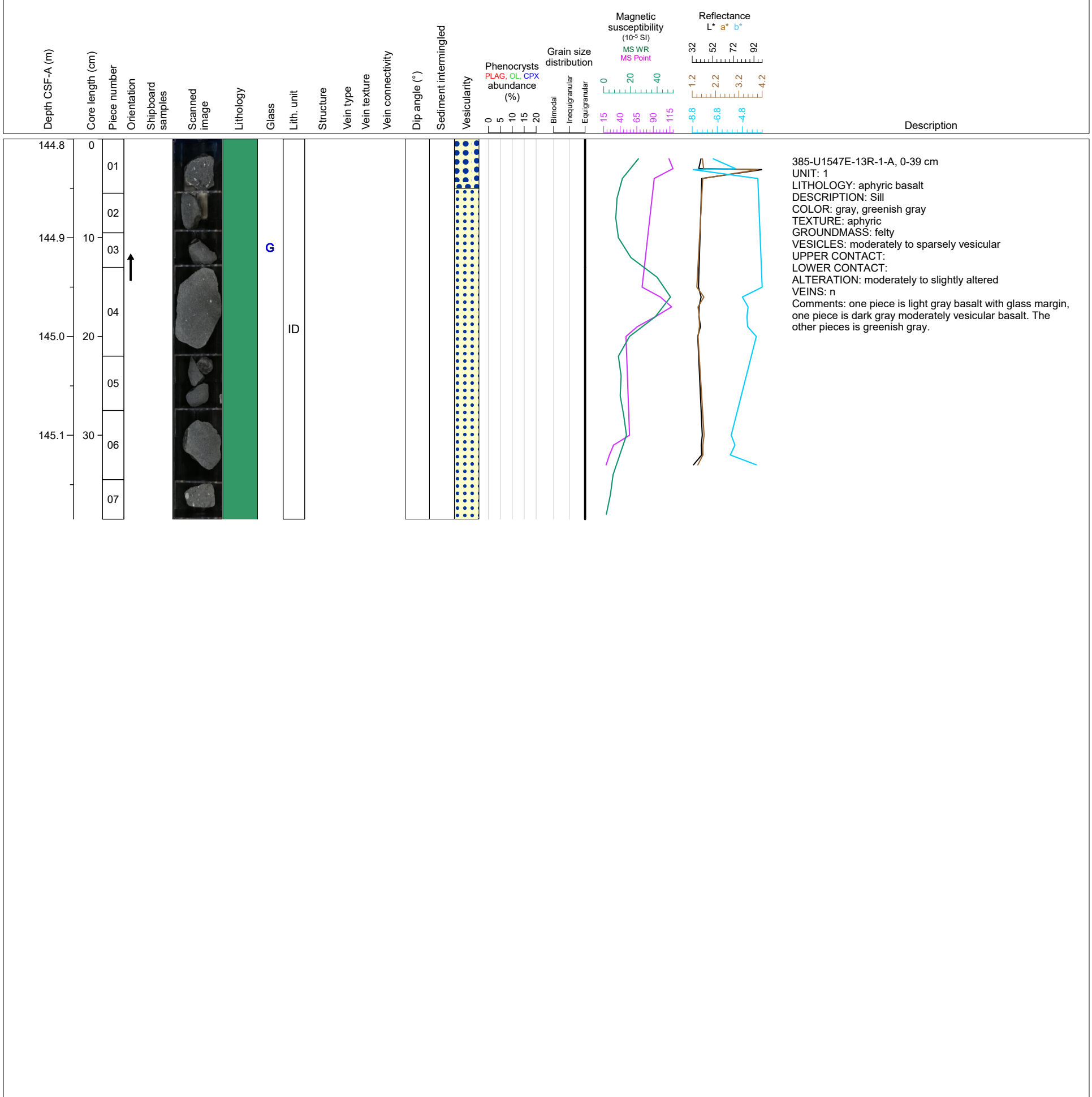
Hole 385-U1547E-12R Section 1, Top of Section: 139.8 m (CSF-A)



385-U1547E-12R-1-A, 0-20 cm
46-112.5 cm UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: felty, pyrite-bearing
VESICLES: sparsely to moderately vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: Y
Comments: sediment injection at 81-97 cm, glass margin.

385-U1547E-12R-1-A, 20-46 cm
UNIT: 1
LITHOLOGY: plagioclase phyric basalt
DESCRIPTION: sill
COLOR: gray
TEXTURE: phaneritic
GROUNDMASS: felty, pyrite-bearing
VESICLES: moderately vesicular
UPPER CONTACT: top chilled contact
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: Y

Hole 385-U1547E-13R Section 1, Top of Section: 144.8 m (CSF-A)



Hole 385-U1547E-13R Section 2, Top of Section: 145.185 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution | Magnetic susceptibility (10^{-5} SI) MS WR MS Point | Reflectance L* a* b* | Description

145.2 | 0 | 01
145.3 | 10 | 02
145.4 | 20 | 03
145.4 | 04
145.5 | 30 | 05
145.5 | 06 | PMAG
145.6 | 40
145.6 | 50 | 07
145.7
145.8 | 60 | 08
145.8 | 70
145.9
146.0 | 80 | 09
146.0 | 90 | 10
146.1
146.1 | 11
146.2 | 100 | 12
146.2 | 110 | 13
146.3
146.3 | 120 | 14
146.4
146.4 | 130 | 15
146.5
146.5 | 16
146.5 | 140 | 17 | VAC
146.6

Structure: ID

Vein type: H

Dip angle (°): 90; 60/90; 60; 60; 70; 60; 30; 50; 50; 80; 70; 40

Sediment intermingled: S; S

Vesicularity: highly (at 0-60 cm) to moderately (at 60-149 cm) vesicular

Phenocrysts PLAG, OL, CPX abundance (%): 0 5 10 15 20

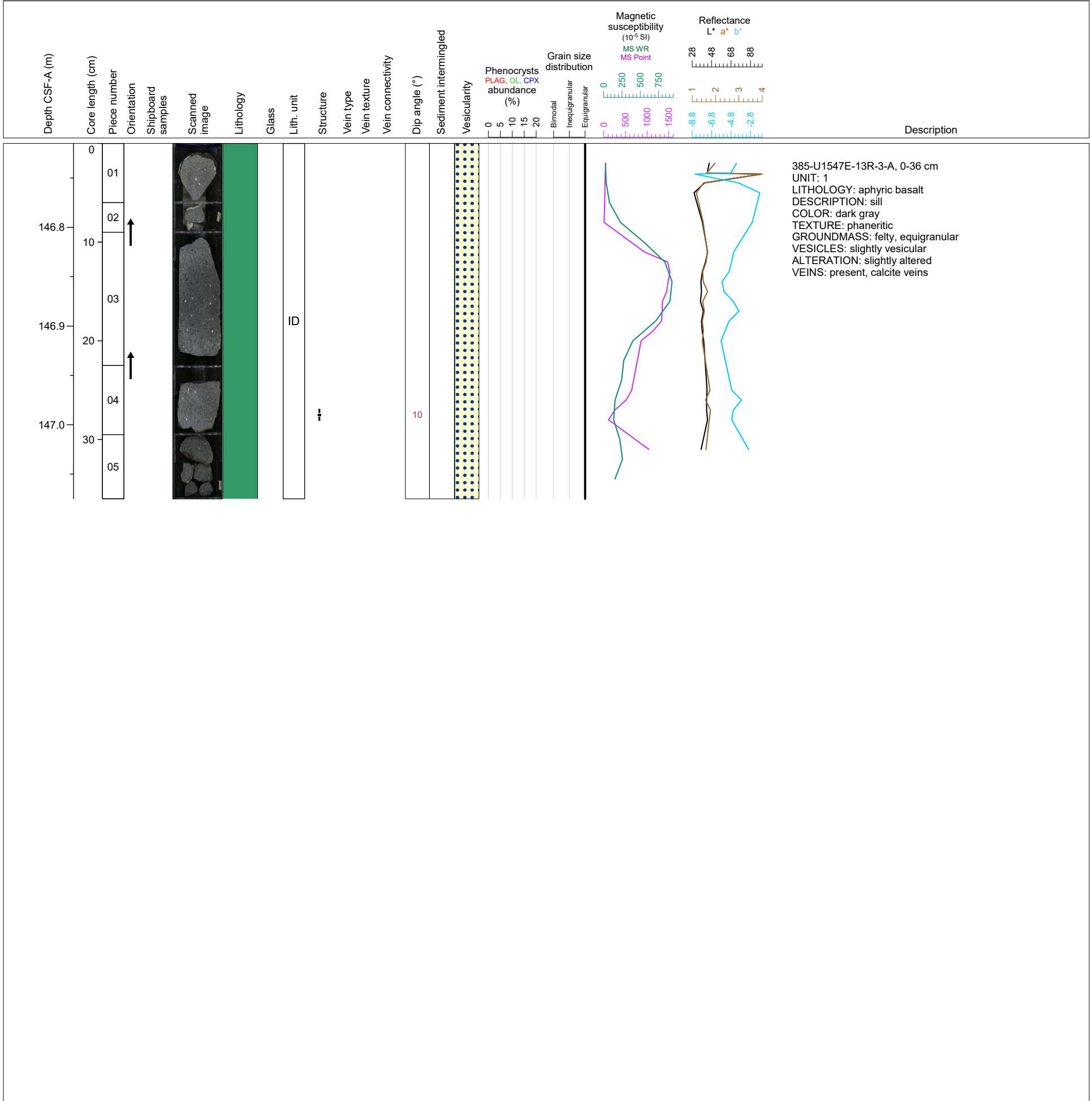
Grain size distribution: Bimodal | Inequigranular | Equigranular

Magnetic susceptibility (10^{-5} SI): MS WR 0 500 1000 1500; MS Point 0 1000 2000

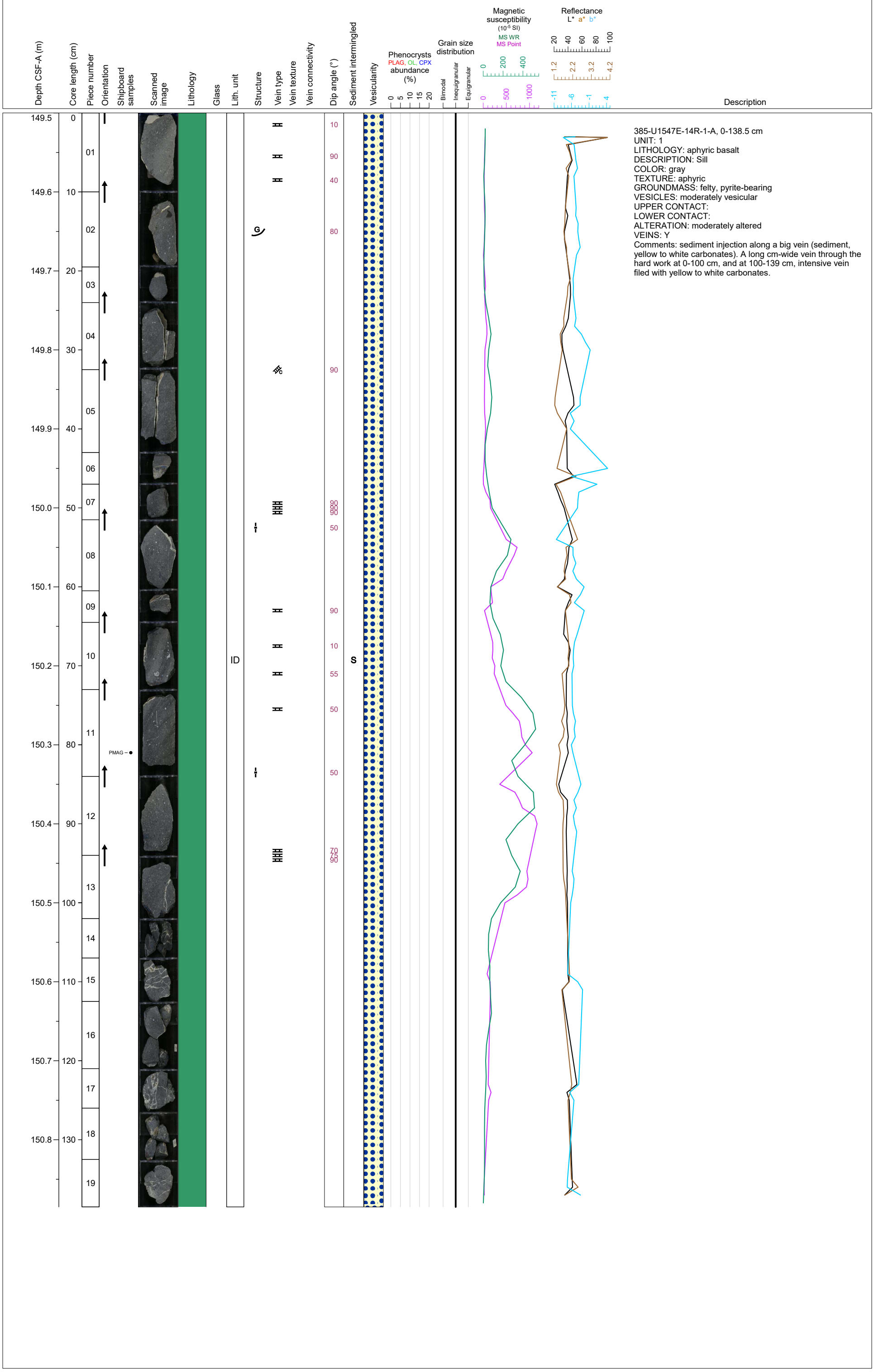
Reflectance L* a* b*: 20 40 60 80 100; 1 2 3 4; -9 -4 1

385-U1547E-13R-2-A, 0-149cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: Sill
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: felty, pyrite-bearing
VESICLES: highly (at 0-60 cm) to moderately (at 60-149 cm) vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: moderately altered
VEINS: y
Comments: sediment injection.

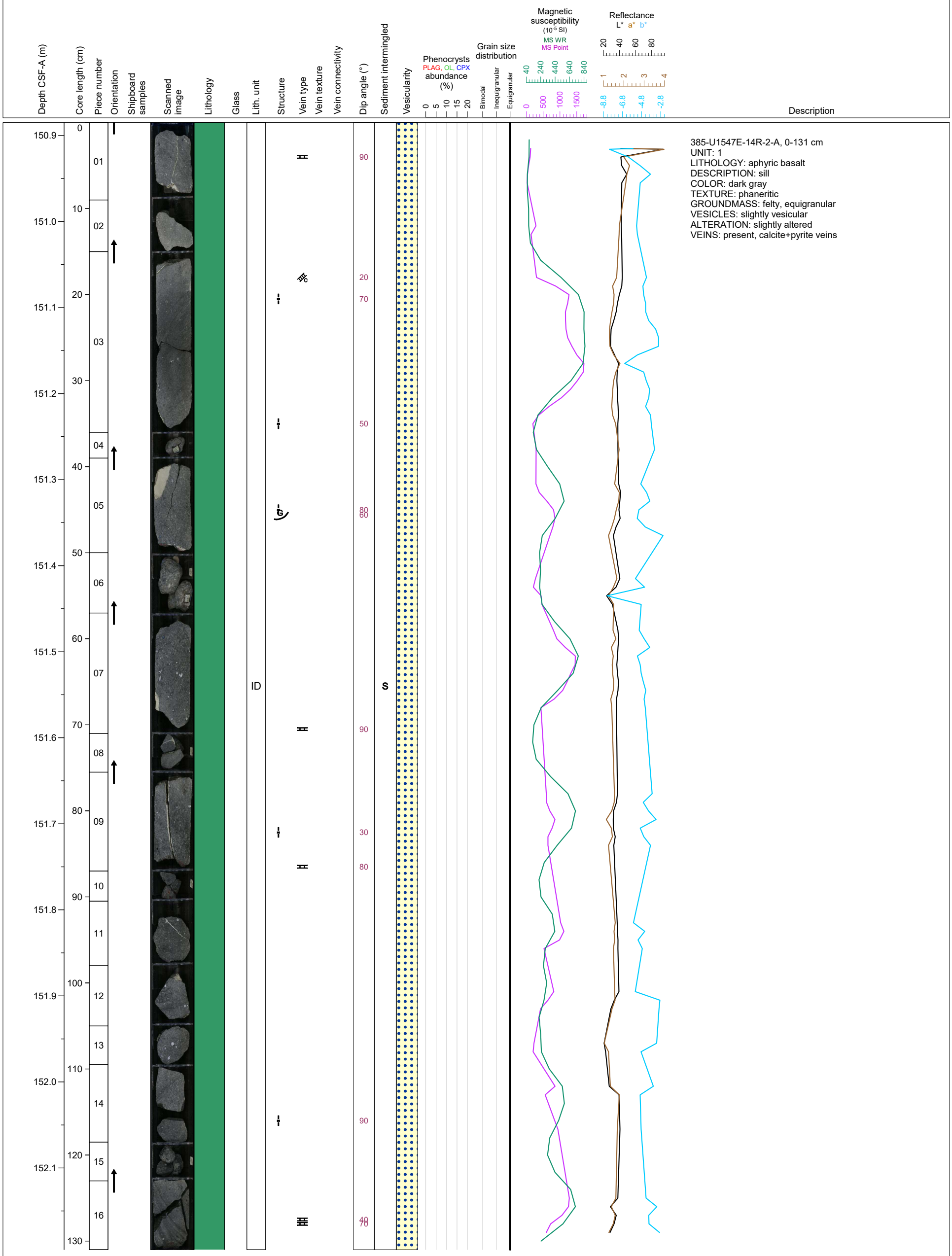
Hole 385-U1547E-13R Section 3, Top of Section: 146.675 m (CSF-A)



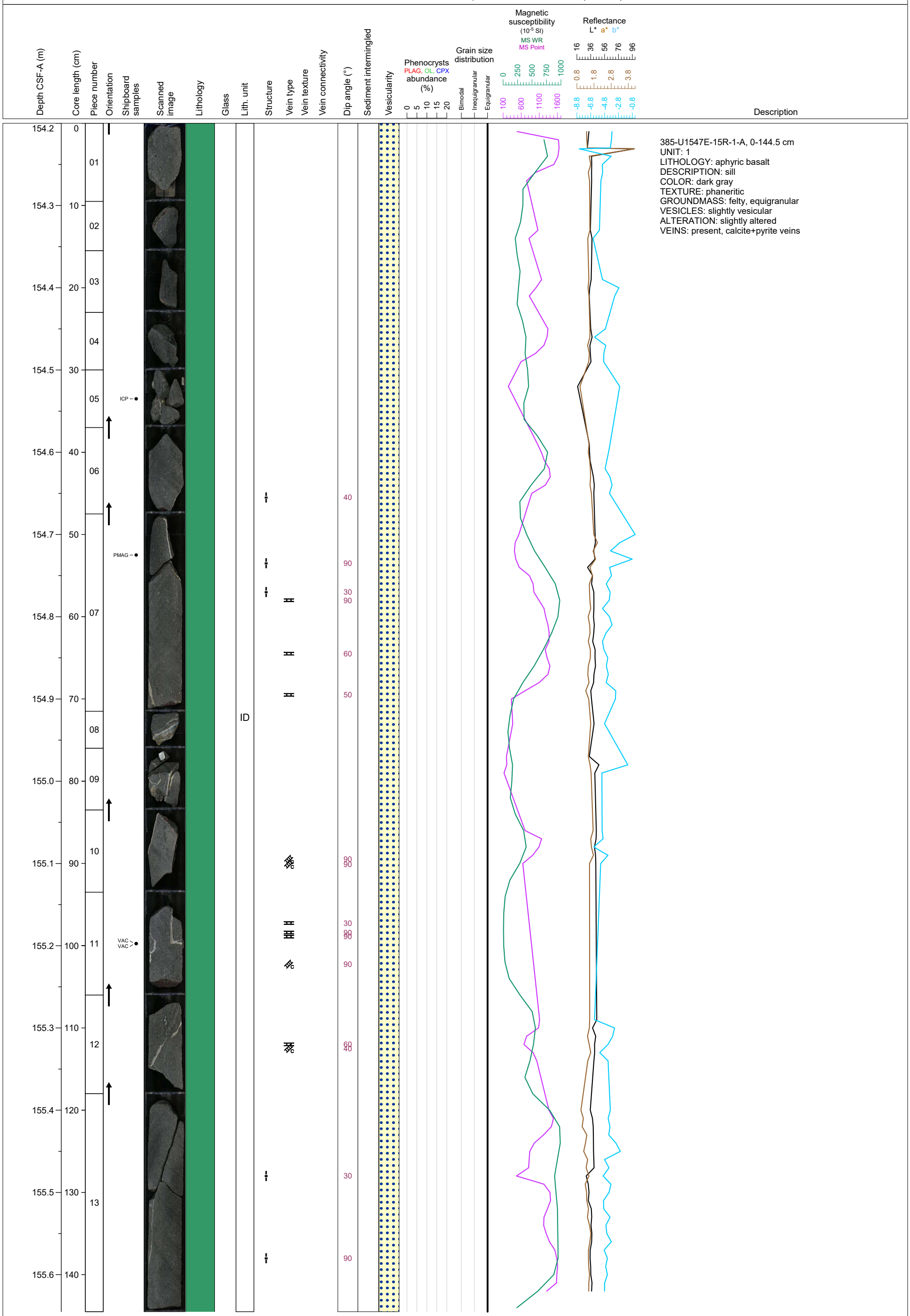
Hole 385-U1547E-14R Section 1, Top of Section: 149.5 m (CSF-A)



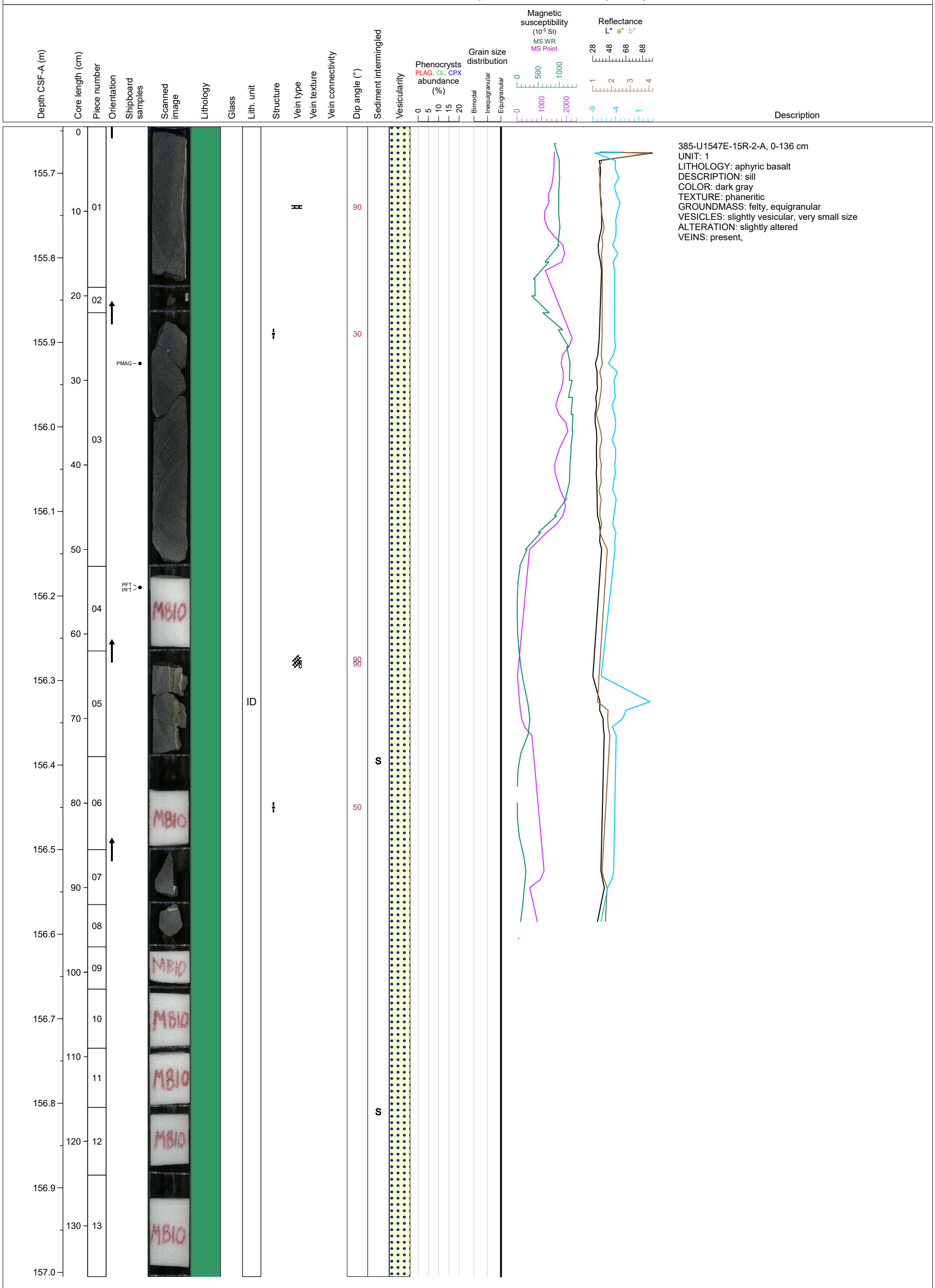
Hole 385-U1547E-14R Section 2, Top of Section: 150.885 m (CSF-A)



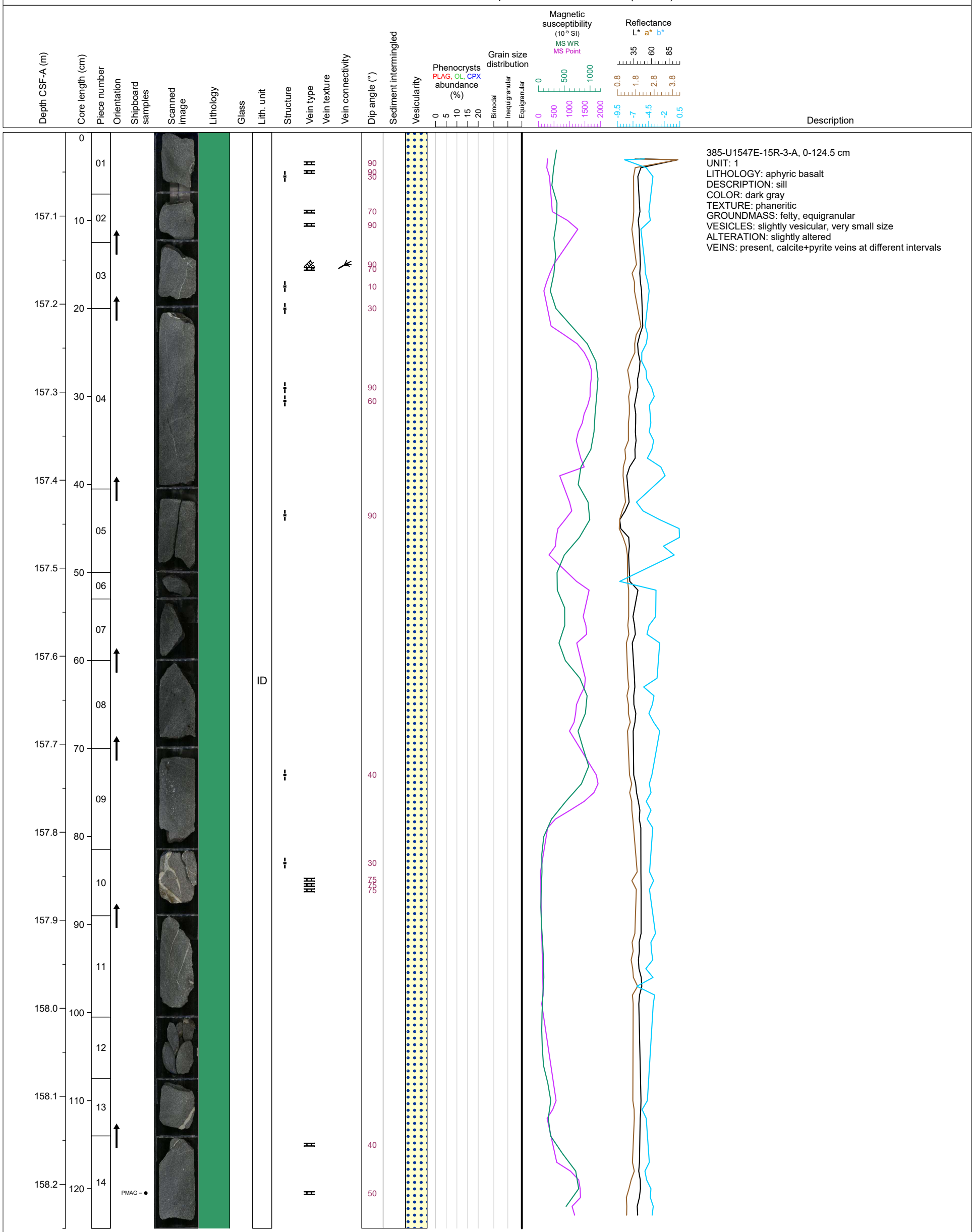
Hole 385-U1547E-15R Section 1, Top of Section: 154.2 m (CSF-A)



Hole 385-U1547E-15R Section 2, Top of Section: 155.645 m (CSF-A)



Hole 385-U1547E-15R Section 3, Top of Section: 157.005 m (CSF-A)



Hole 385-U1547E-16R Section 1, Top of Section: 159.2 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) 0 5 10 15 20 | Grain size distribution Bimodal Inequigranular Equigranular | Magnetic susceptibility (10^{-5} SI) MS WR MS Point 0 500 1000 1500 0 1000 2000 | Reflectance L* a* b* 5 30 55 80 1 2 3 4 -12 -7 -2 | Description

159.2 0 01
159.3 10 02
03
159.4 20 04
159.5 30 05
159.6 40 06
07
159.7 50 08
159.8 60 09
159.9 70 10
160.0 80 11
160.1 90 12
160.2 100 13
14
160.3 110 15
160.4 120 16
160.5 130 17
160.6 140 18

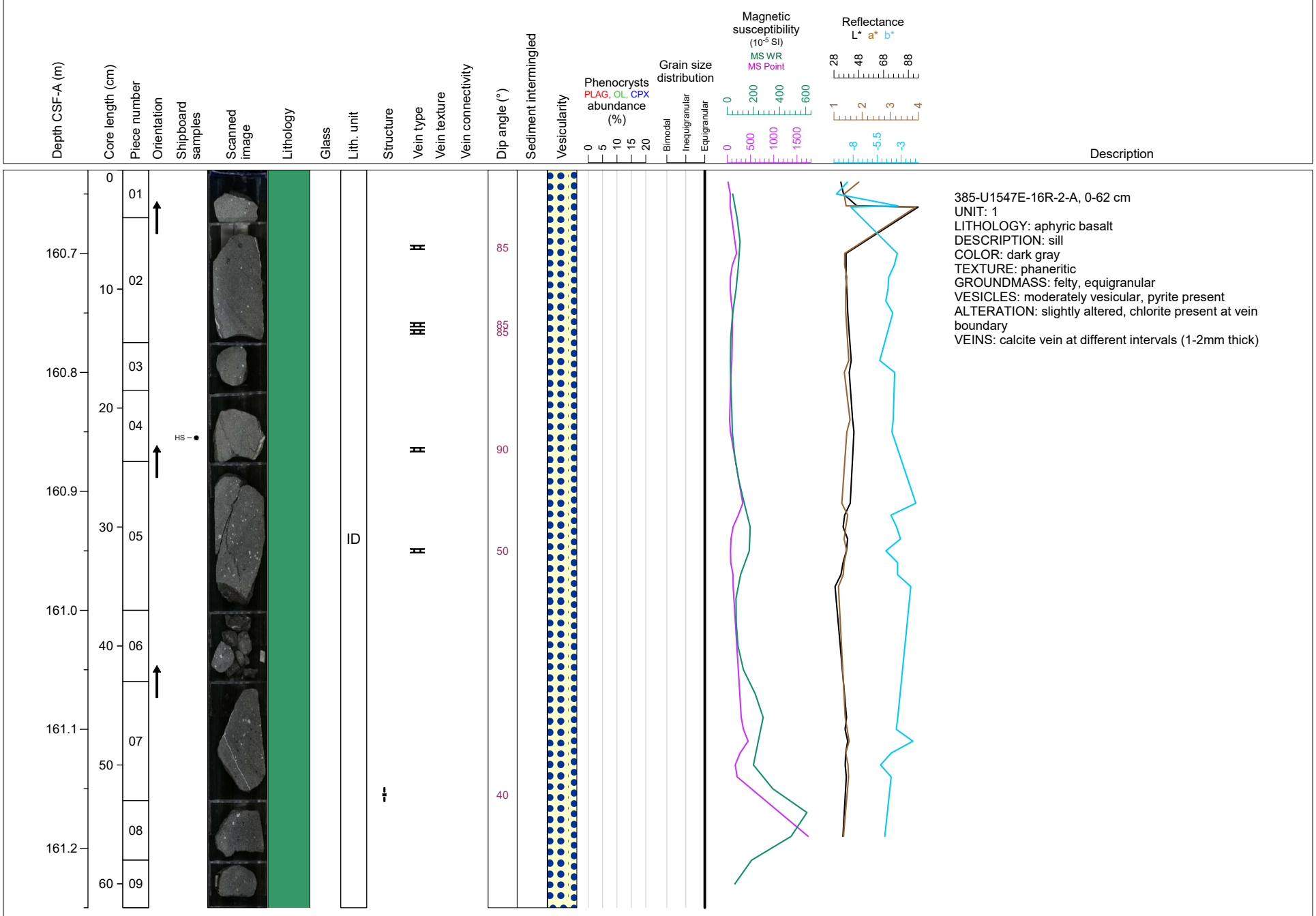
PMAG

ID

80 50 85 70 85 60 45 40 60 60 70 85 50

385-U1547E-16R-1-A, 0-143 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: dark gray
TEXTURE: phaneritic
GROUNDMASS: felty, equigranular
VESICLES: moderately vesicular, very small size
ALTERATION: slightly altered
VEINS: present, calcite vein, calcite+pyrite veins at different intervals

Hole 385-U1547E-16R Section 2, Top of Section: 160.63 m (CSF-A)



Hole 385-U1547E-17R Section 1, Top of Section: 163.9 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution | Magnetic susceptibility (10^{-5} SI) MS WR MS Point | Reflectance L* a* b*

Description

163.9 | 0 | 01
164.0 | 10 | 02
164.1 | 20 | 03
164.2 | 30
164.3 | 40 | 04
164.4 | 50 | 05 | 06 | SED
164.5 | 60 | 07
164.6 | 70 | 08 | 09
164.7 | 80 | 10 | 11
164.8 | 90
164.9 | 100 | 12
165.0 | 110
165.1 | 120
165.2 | 130 | 13
165.3 | 140 | PMAG

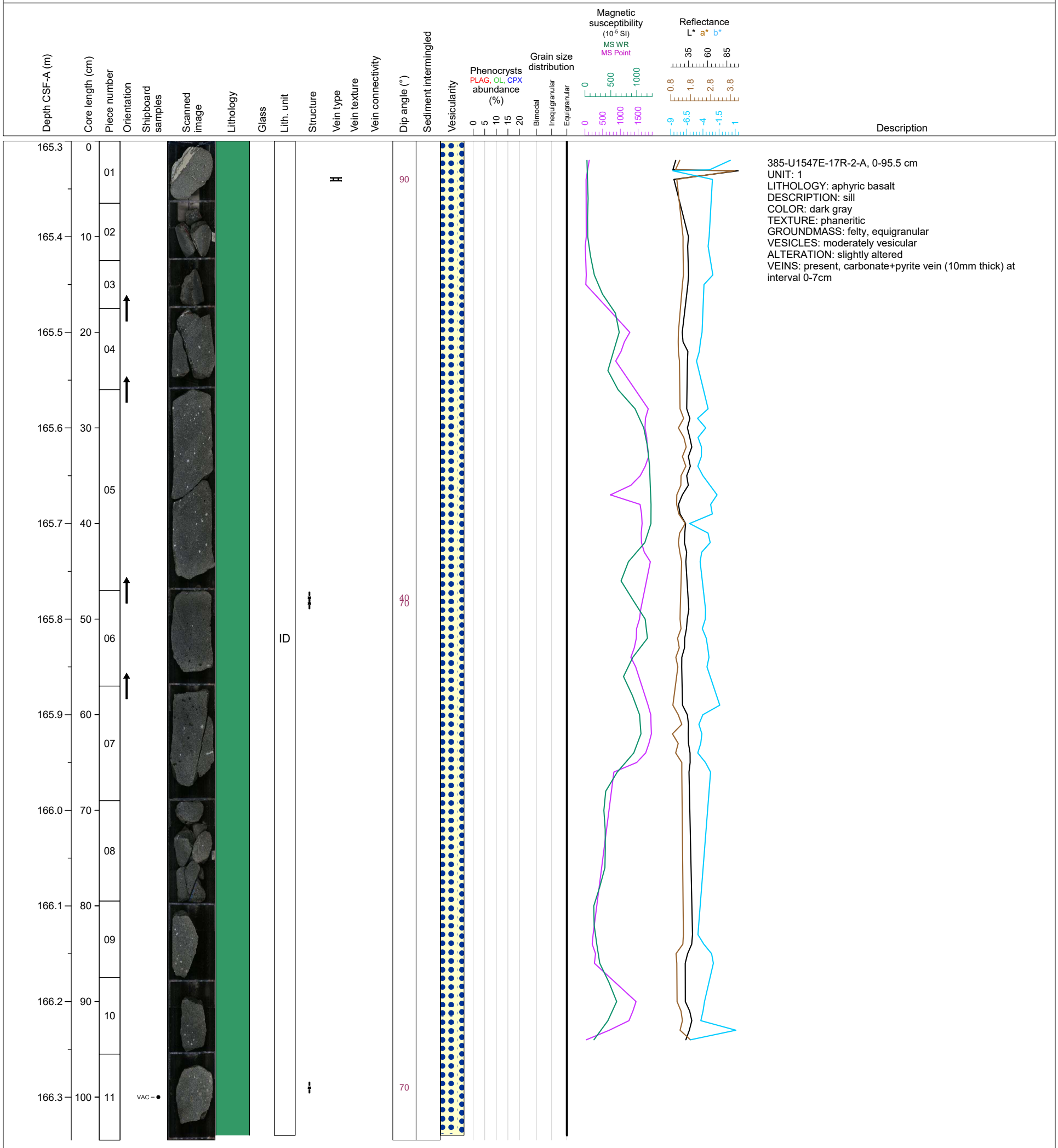
Structure: H | H | H
Vein type: ID
Dip angle (°): 50 | 90 | 65 | 30 | 60 | 75
Sediment intermingled: S
Vesicularity: 0 5 10 15 20
Grain size distribution: Bimodal | Inequigranular | Equigranular
Magnetic susceptibility (10^{-5} SI): MS WR 100 600 1100 1600; MS Point 0 1000 2000 3000
Reflectance L*: 16 36 56 76 96; a*: 0.8 1.8 2.8 3.8; b*: -11 -6 -1

385-U1547E-17R-1-A, 0-36 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: gray
TEXTURE: phaneritic
GROUNDMASS: felty, equigranular
VESICLES: moderately vesicular,
ALTERATION: slightly altered, alteration halos present around vesicles
VEINS: small calcite+pyrite vein (29-35 cm)

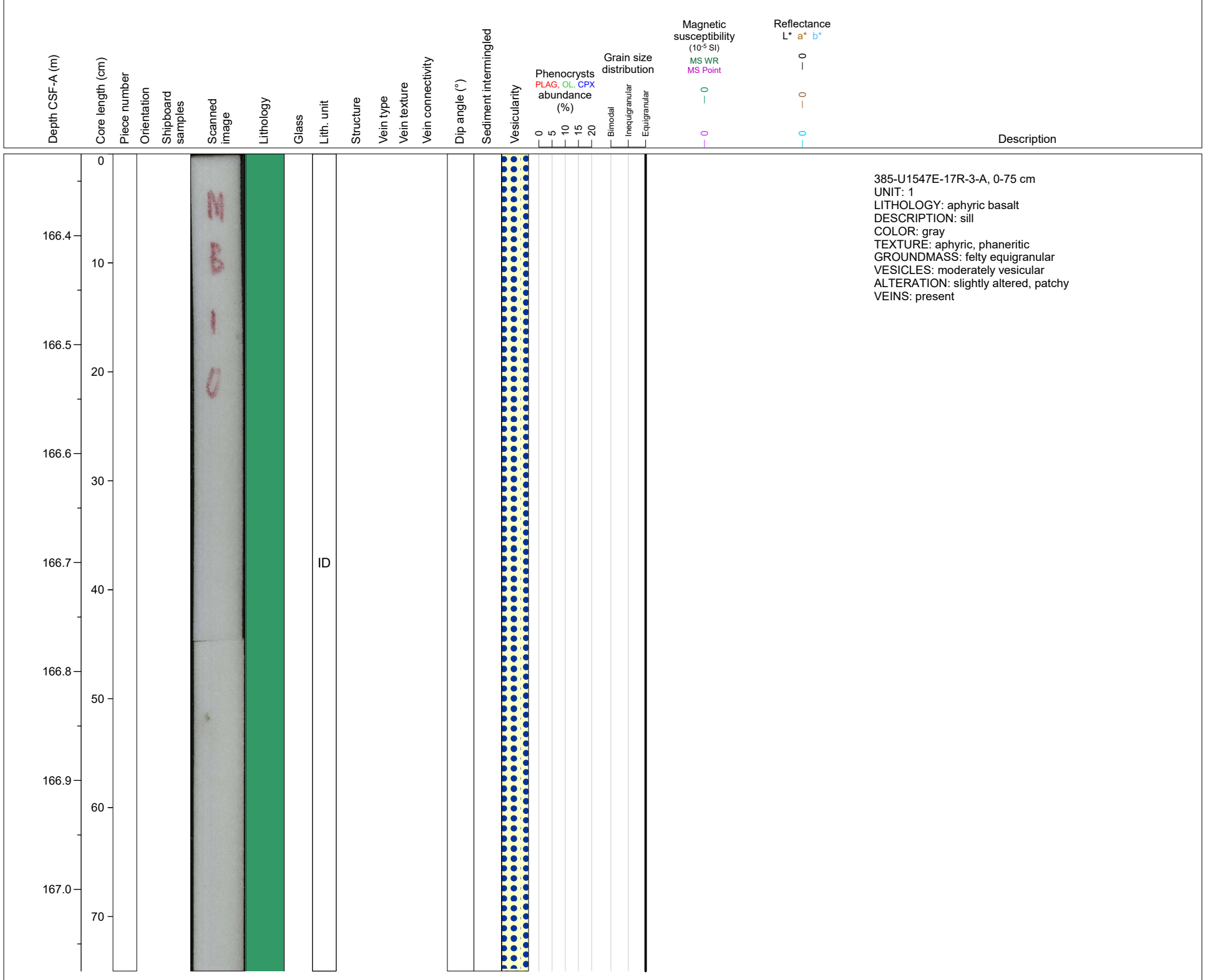
385-U1547E-17R-1-A, 36-85 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: gray
TEXTURE: phaneritic
GROUNDMASS: felty, equigranular
VESICLES: sparsely vesicular
ALTERATION: slightly altered, alteration halos present around vesicles
VEINS: Large vein, carbonate+pyrite (17mm), at interval 46-60 cm.

385-U1547E-17R-1-A, 85-140 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: gray
TEXTURE: phaneritic
GROUNDMASS: felty, equigranular
VESICLES: moderately vesicular
ALTERATION: slightly altered, alteration halos present around vesicles
VEINS: absent

Hole 385-U1547E-17R Section 2, Top of Section: 165.3 m (CSF-A)

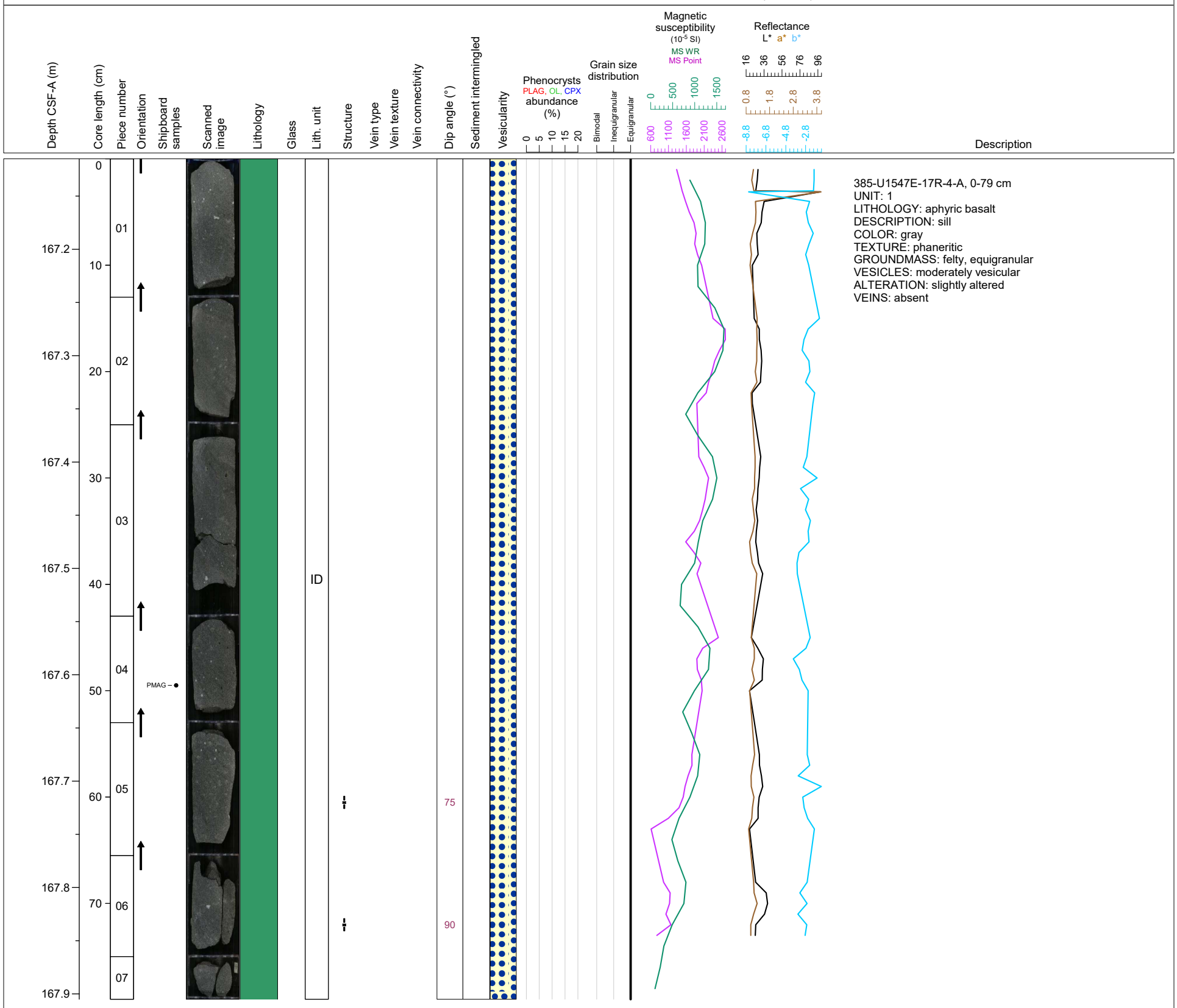


Hole 385-U1547E-17R Section 3, Top of Section: 166.345 m (CSF-A)



385-U1547E-17R-3-A, 0-75 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: gray
TEXTURE: aphyric, phaneritic
GROUNDMASS: felty equigranular
VESICLES: moderately vesicular
ALTERATION: slightly altered, patchy
VEINS: present

Hole 385-U1547E-17R Section 4, Top of Section: 167.095 m (CSF-A)



Hole 385-U1547E-18R Section 1, Top of Section: 168.9 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution | Magnetic susceptibility (10^{-5} SI) MS WR MS Point | Reflectance L* a* b* | Description

168.9 – 0 – 01 – VAC – XRD – S

169.0 – 10 – 02 – 03 – 04

169.1 – 20 – 05

169.2 – 30 – 06

169.3 – 40 – 07

169.4 – 50 – 08

169.5 – 60

169.6 – 70

169.7 – 80 – 09

169.8 – 90

169.9 – 100

170.0 – 110

170.1 – 120 – 10

170.2 – 130

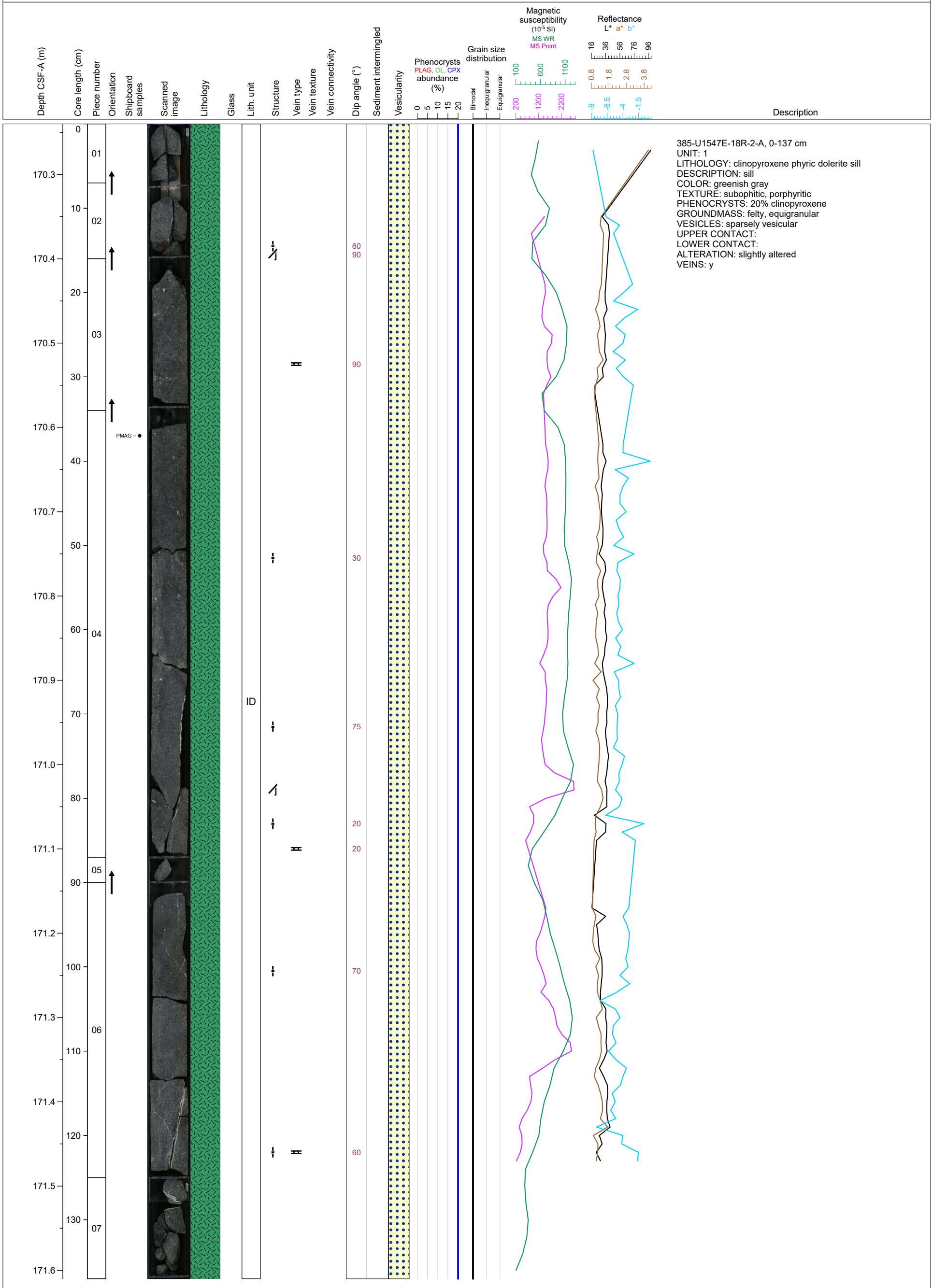
ID

60 60 60 60 80 60 80 70

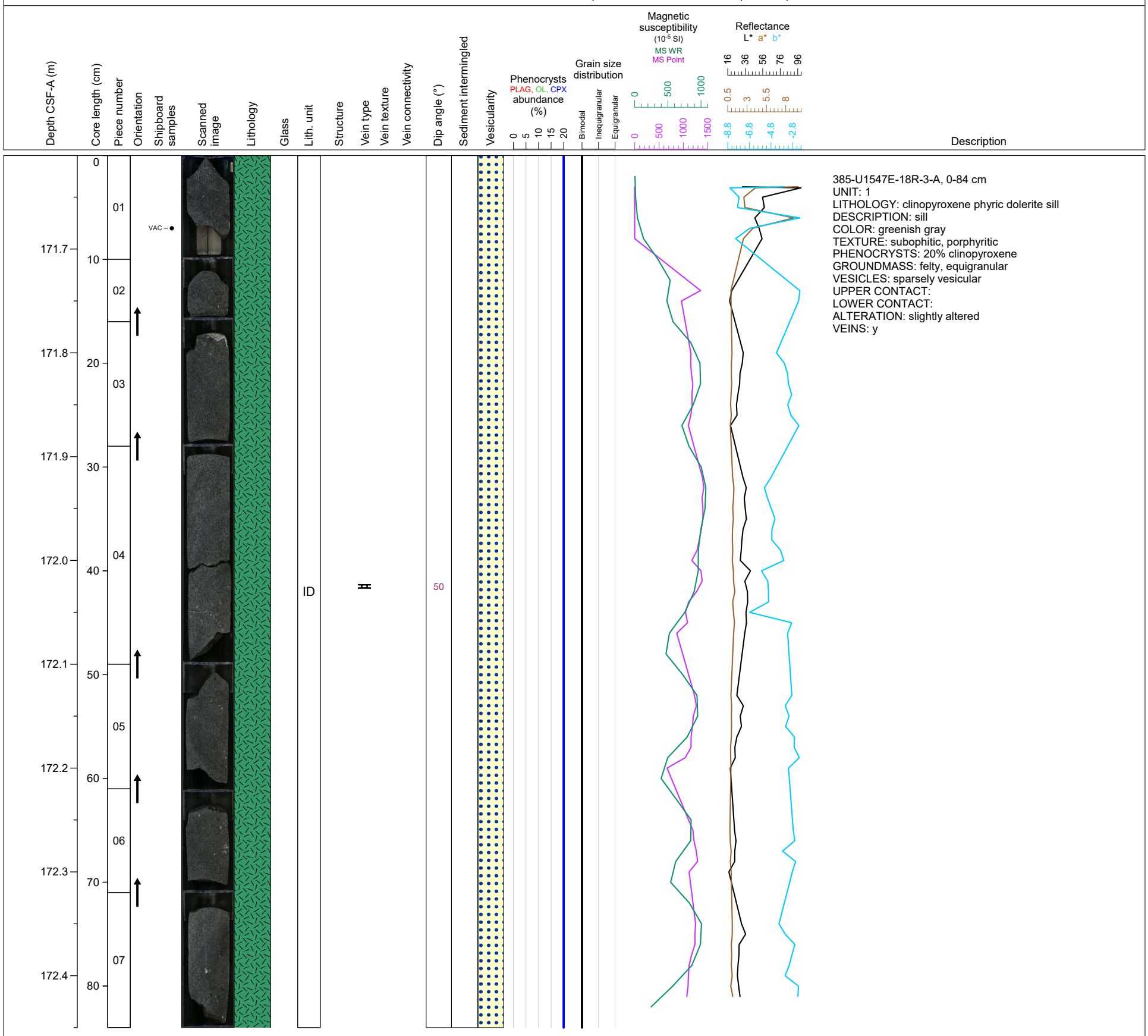
385-U1547E-18R-1-A, 0-30 cm
UNIT: 1
LITHOLOGY: aphyric basalt
DESCRIPTION: sill
COLOR: gray
TEXTURE: phaneritic
GROUNDMASS: felty, equigranular
VESICLES: sparsely vesicular
ALTERATION: slightly altered
VEINS: present, carbonate, (between 10-14 cm), 10mm thick

385-U1547E-18R-1-A, 30-134 cm
UNIT: 1
LITHOLOGY: pyroxene phyric dolerite
DESCRIPTION: sill
COLOR: greenish gray
TEXTURE: subophitic
GROUNDMASS: felty, equigranular
VESICLES: moderately vesicular
ALTERATION: slightly altered
VEINS: calcite veins at multiple intervals, single and dendritic

Hole 385-U1547E-18R Section 2, Top of Section: 170.24 m (CSF-A)



Hole 385-U1547E-18R Section 3, Top of Section: 171.61 m (CSF-A)

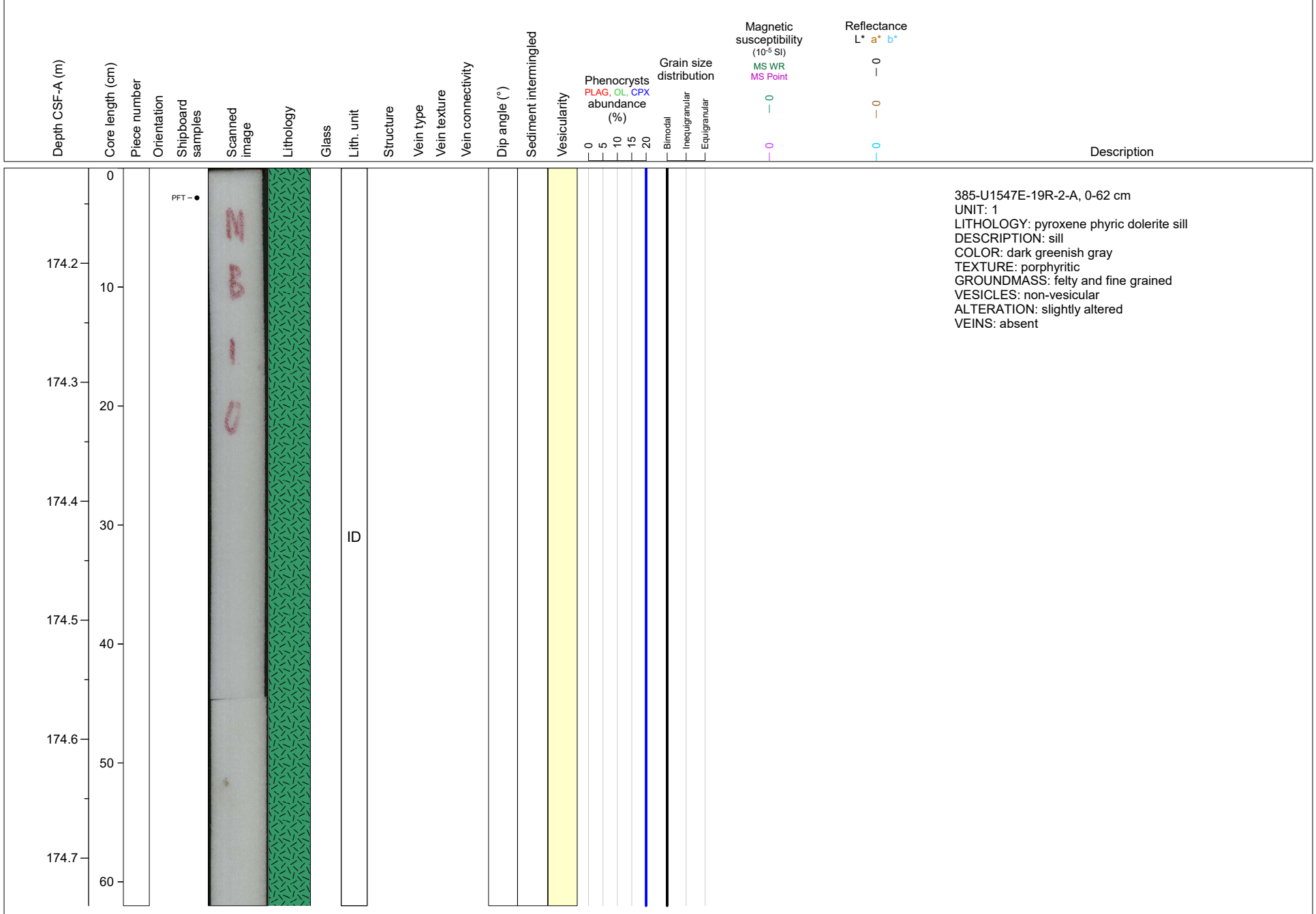


Hole 385-U1547E-19R Section 1, Top of Section: 172.6 m (CSF-A)

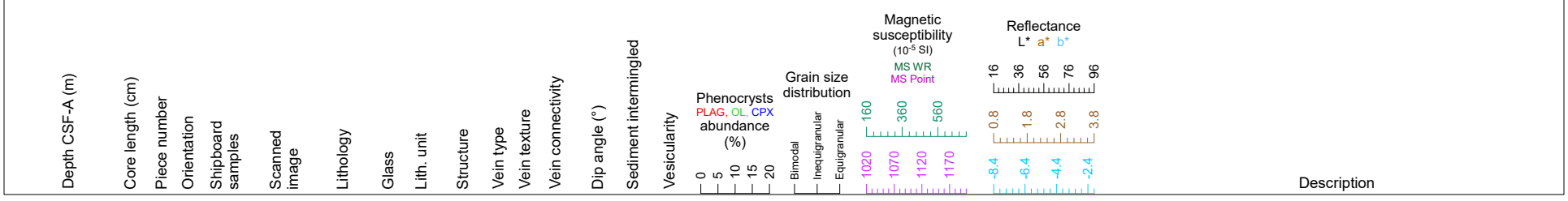
Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution (Bimodal, Inequigranular, Equigranular) | Magnetic susceptibility (10^{-5} SI) MS WR, MS Point | Reflectance L* a* b* | Description

385-U1547E-19R-1-A, 0-150 cm
UNIT: 1
LITHOLOGY: clinopyroxene plagioclase phyric dolerite sill
DESCRIPTION: sill
COLOR: greenish gray
TEXTURE: subophitic, porphyritic
PHENOCRYSTS: 20% clinopyroxene + 3% plagioclase
GROUNDMASS: felty, equigranular
VESICLES: sparsely vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: slightly altered
VEINS: y

Hole 385-U1547E-19R Section 2, Top of Section: 174.1 m (CSF-A)



Hole 385-U1547E-19R Section 3, Top of Section: 174.72 m (CSF-A)



385-U1547E-19R-3-A, 0-9 cm
UNIT: 1
LITHOLOGY: pyroxene phyric dolerite sill
DESCRIPTION: sill
COLOR: dark greenish gray
TEXTURE: porphyritic
GROUNDMASS: felty and fine grained
VESICLES: non-vesicular
ALTERATION: slightly altered
VEINS: absent

Hole 385-U1547E-20R Section 1, Top of Section: 174.6 m (CSF-A)

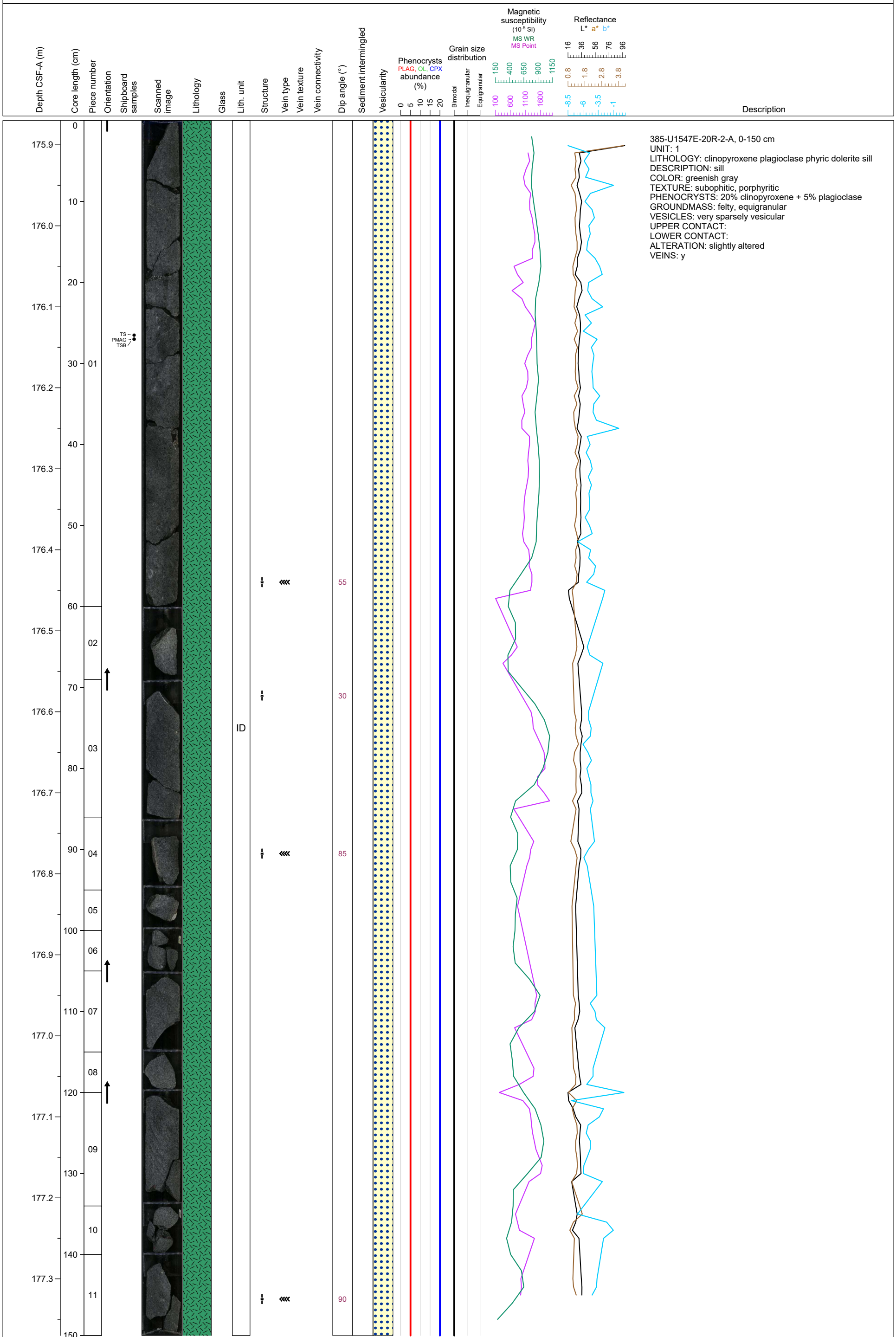
Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) (0, 5, 10, 15, 20) | Grain size distribution (Bimodal, Inequigranular, Equigranular) | Magnetic susceptibility (10^{-5} SI) MS WR (200, 400, 600, 800, 1000) MS Point (100, 600, 1100) | Reflectance L* a* b* (16, 36, 56, 76, 96; 0.8, 1.8, 2.8, 3.8; -8.5, -6, -3.5) | Description

174.6 | 0 | 01
174.7 | 10 | 02
03
174.8 | 20 | 04
05
174.9 | 30 | 06 | TS | ICP | TSB
175.0 | 40 | 07
175.1 | 50
175.2 | 60 | 08 | ID
175.3 | 70
175.4 | 80 | PMAG
175.5 | 90 | 09
175.6 | 100
175.7 | 110
175.8 | 120 | 10

Structure: H (80); H (80)

385-U1547E-20R-1-A, 0-127 cm
UNIT: 1
LITHOLOGY: clinopyroxene plagioclase phyric dolerite sill
DESCRIPTION: sill
COLOR: greenish gray
TEXTURE: subophitic, porphyritic
PHENOCRYSTS: 20% clinopyroxene + 5% plagioclase
GROUNDMASS: felty, equigranular
VESICLES: very sparsely vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: slightly altered
VEINS: y

Hole 385-U1547E-20R Section 2, Top of Section: 175.87 m (CSF-A)



Hole 385-U1547E-21R Section 1, Top of Section: 177.3 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution | Magnetic susceptibility (10^{-5} SI) MS WR MS Point | Reflectance L* a* b* | Description

177.3 | 0 | 01
177.4 | 10 | 02
177.5 | 20
177.6 | 30
177.7 | 40 | 03
177.8 | 50
177.9 | 60
178.0 | 70
178.1 | 80 | 04
178.2 | 90 | 05
178.3 | 100 | 06
178.4 | 110 | 07
178.5 | 120 | 08
178.6 | 130 | 09
178.7 | 140 | 10
11
12

PMAG

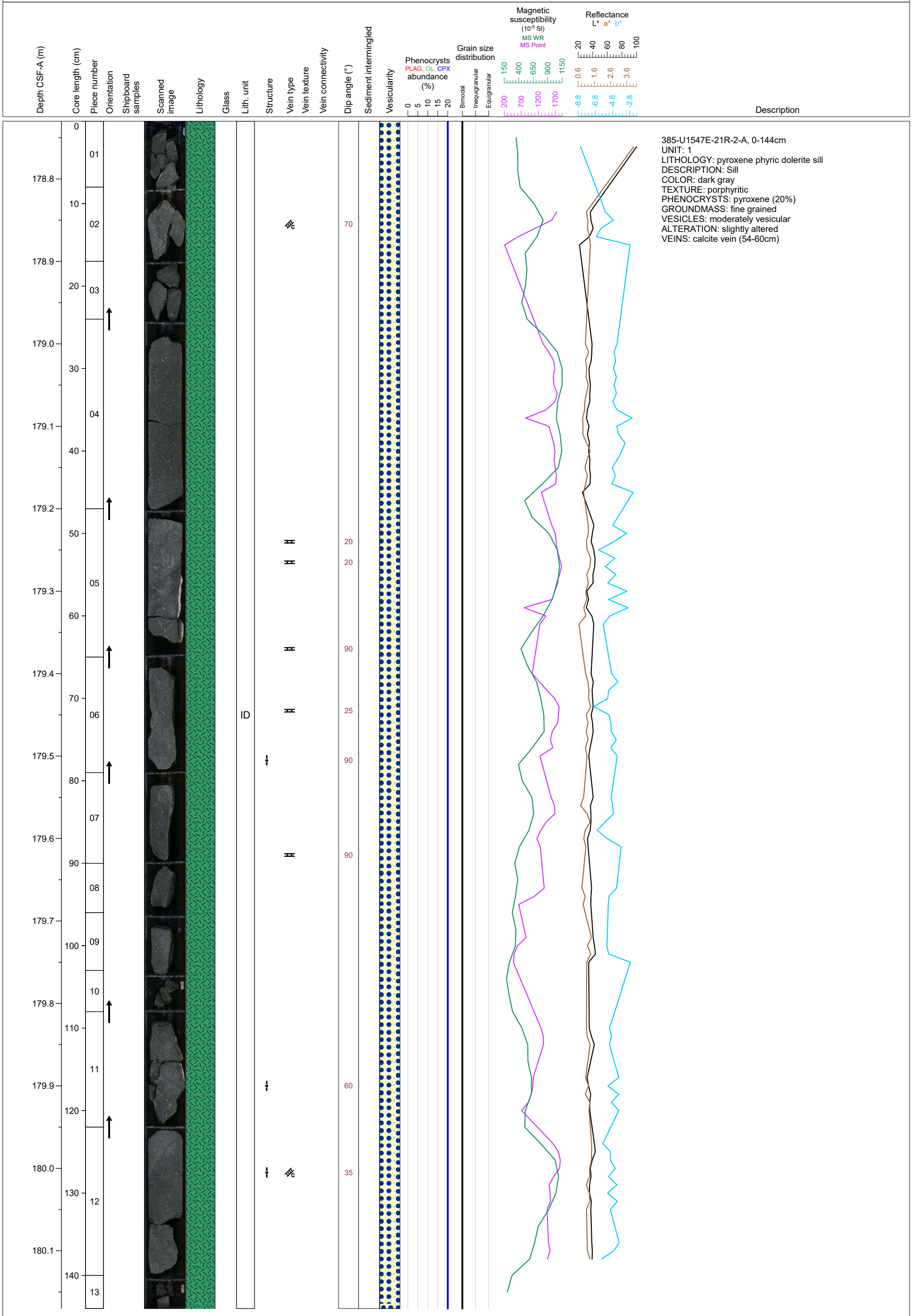
ID

S

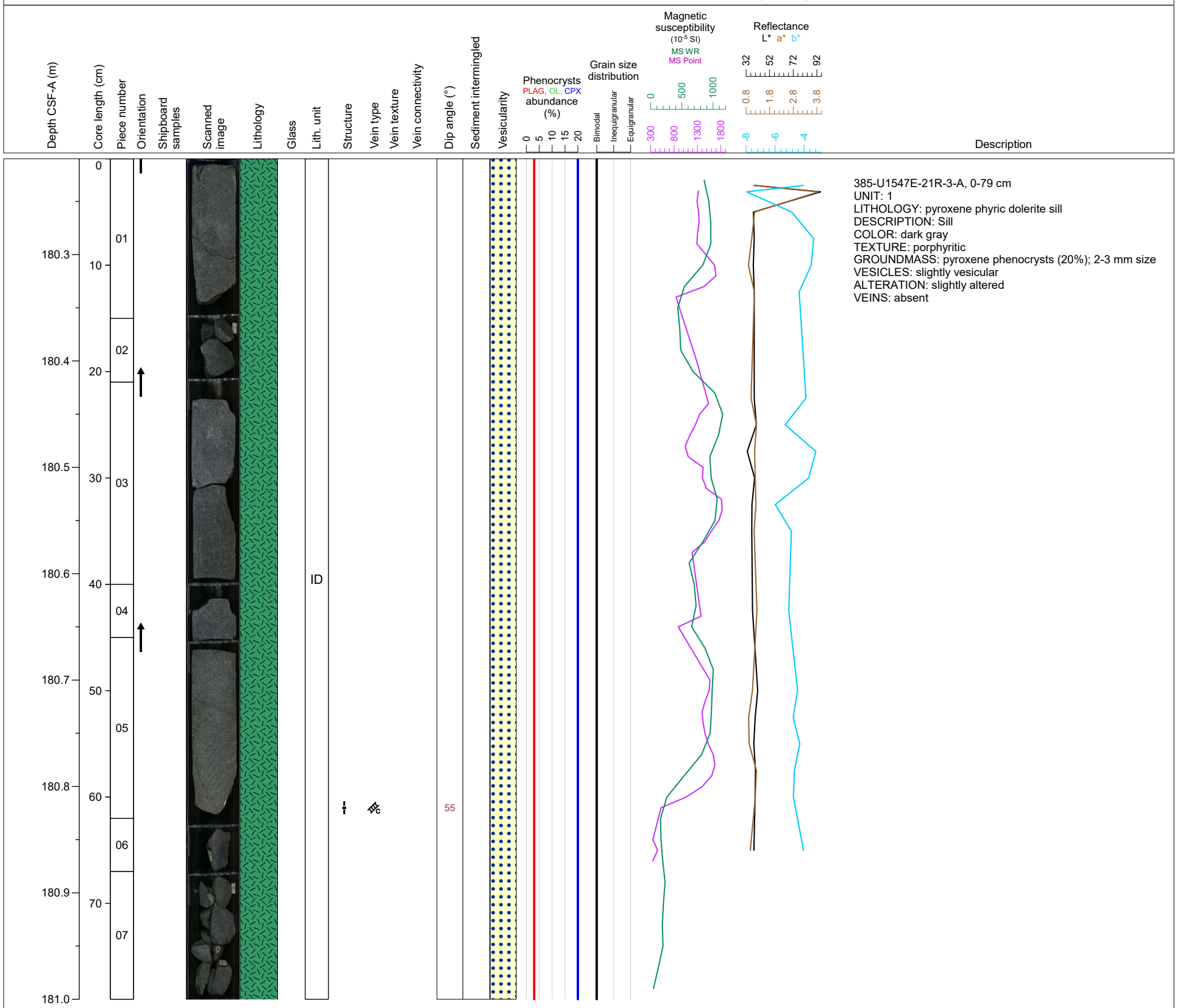
385-U1547E-21R-1-A, 0-40 cm
UNIT: 1
LITHOLOGY: clinopyroxene plagioclase phyric dolerite sill
DESCRIPTION: sill
COLOR: greenish gray
TEXTURE: subophitic, porphyritic
PHENOCRYSTS: 20% clinopyroxene + 3% plagioclase
GROUNDMASS: felty, equigranular
VESICLES: nonvesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: slightly altered
VEINS: y

385-U1547E-21R-1-A, 40-143 cm
UNIT: 1
LITHOLOGY: clinopyroxene plagioclase phyric dolerite sill
DESCRIPTION: sill
COLOR: greenish gray
TEXTURE: subophitic, porphyritic
PHENOCRYSTS: 20% clinopyroxene + 3% plagioclase
GROUNDMASS: felty, equigranular
VESICLES: moderately vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: slightly altered
VEINS: yes, sediment injection along the veins

Hole 385-U1547E-21R Section 2, Top of Section: 178.73 m (CSF-A)



Hole 385-U1547E-21R Section 3, Top of Section: 180.17 m (CSF-A)



Hole 385-U1547E-22R Section 1, Top of Section: 180.7 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution (Bimodal, Inequigranular, Equigranular) | Magnetic susceptibility (10^{-5} SI) MS WR MS Point | Reflectance L* a* b* | Description

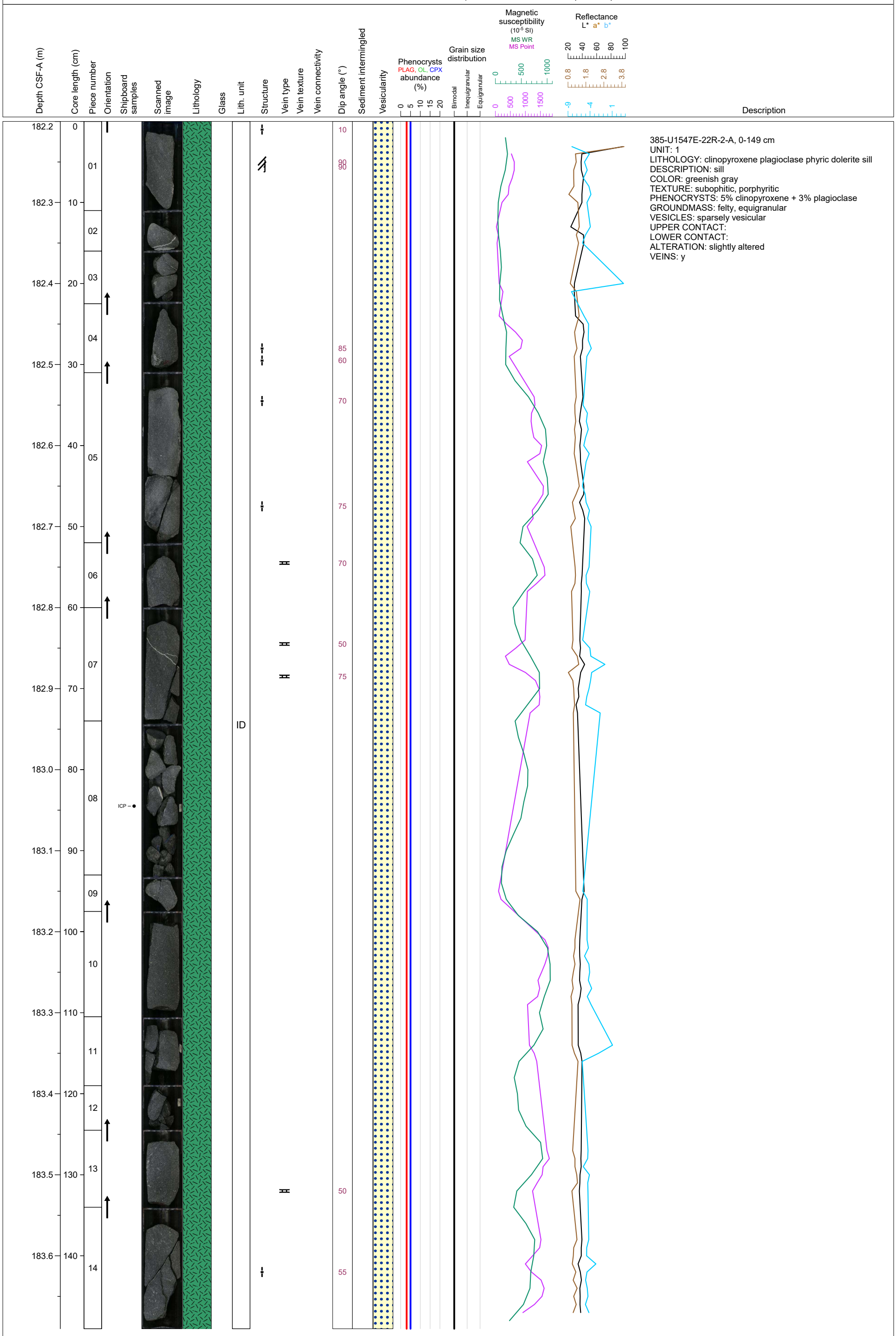
180.7 / 0 — 01
180.8 / 10 — 02
180.9 / 20 — 03
181.0 / 30 — PMAG
181.1 / 40
181.2 / 50 — 04
181.3 / 60
181.4 / 70
181.5 / 80
181.6 / 90 — 05
181.7 / 100 — 06
181.8 / 110 — 07 — VAC
181.9 / 120 — 08
182.0 / 130 — 09
182.1 / 140 — 10
182.2 / 150 — 11, 12

Dip angle (°): 75, 60, 80, 50, 40, 45, 90, 85, 90, 85, 50, 90, 90

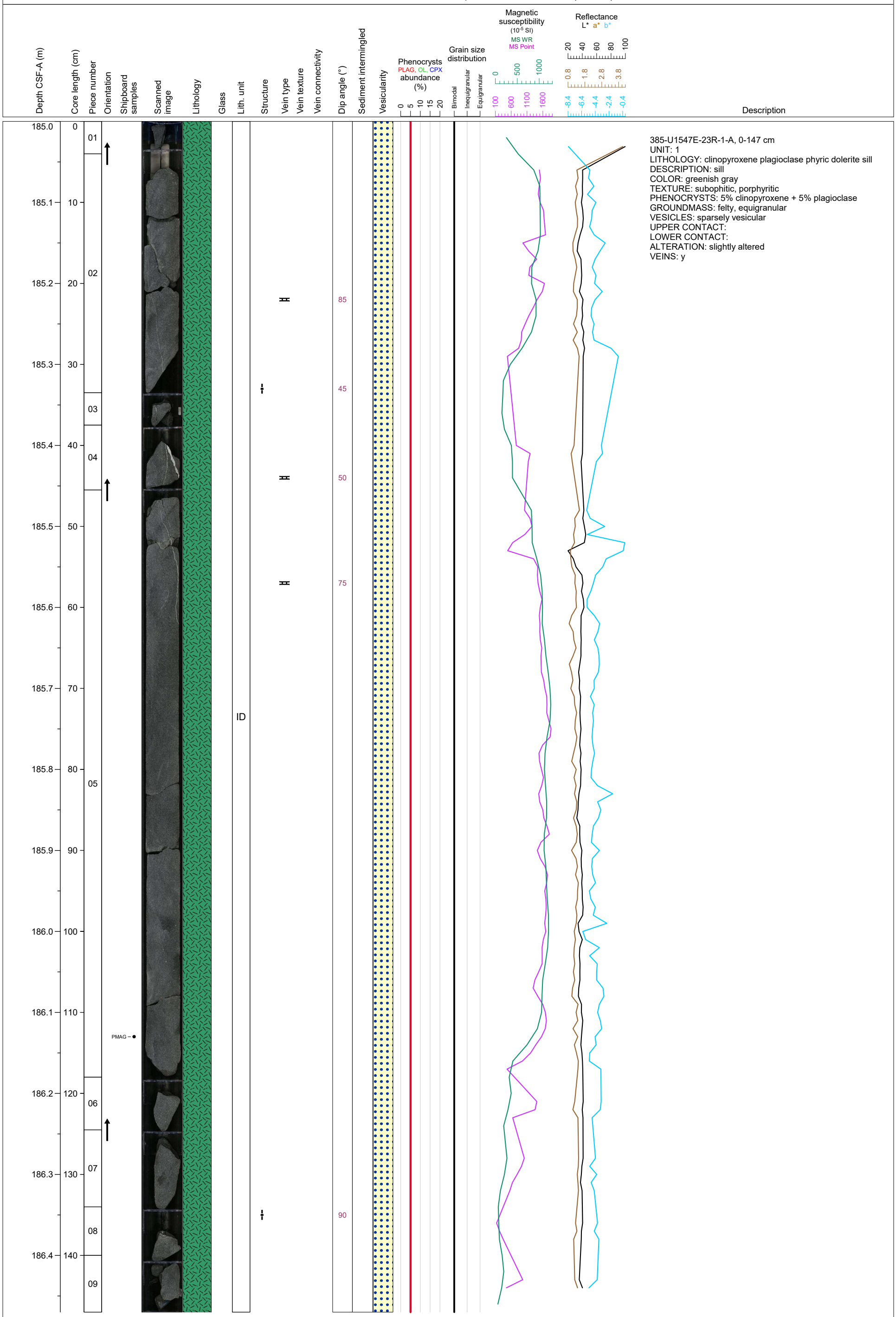
Structure: ID

385-U1547E-22R-1-A, 0-139.5 cm
UNIT: 1
LITHOLOGY: pyroxene phyric dolerite sill
DESCRIPTION: Sill
COLOR: dark gray
TEXTURE: porphyritic
PHENOCRYSTS: pyroxene (15%)
GROUNDMASS: fine grained
VESICLES: non-vesicular
ALTERATION: slightly altered
VEINS: polycrystalline vein (13-61 cm); (calcite vein (68-139cm)

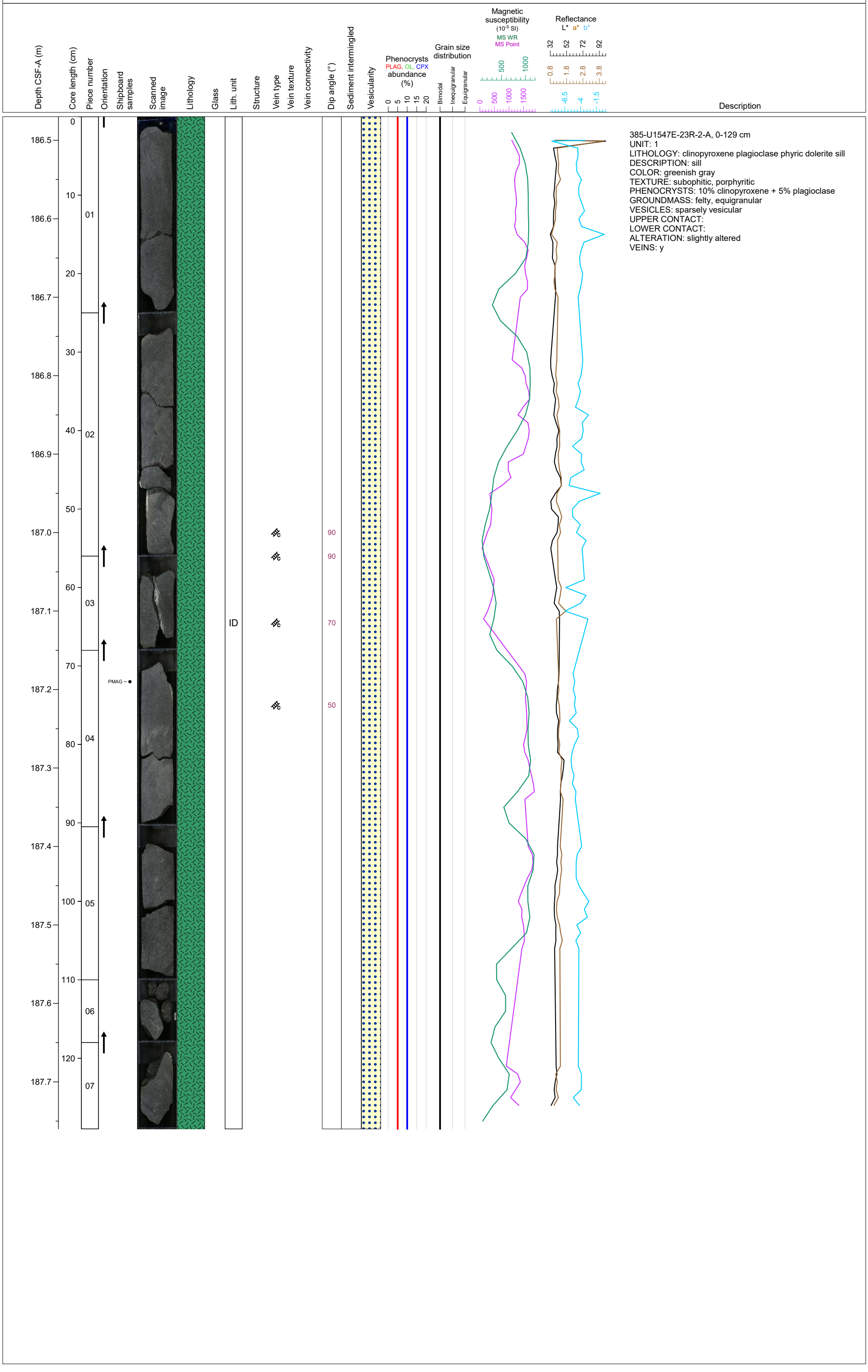
Hole 385-U1547E-22R Section 2, Top of Section: 182.2 m (CSF-A)



Hole 385-U1547E-23R Section 1, Top of Section: 185.0 m (CSF-A)



Hole 385-U1547E-23R Section 2, Top of Section: 186.47 m (CSF-A)



Hole 385-U1547E-24R Section 1, Top of Section: 187.7 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Lithology | Glass | Lith. unit | Structure | Vein type | Vein texture | Vein connectivity | Dip angle (°) | Sediment intermingled | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Grain size distribution | Magnetic susceptibility (10^{-5} SI) MS WR MS Point | Reflectance L* a* b* | Description

187.7 0 01
187.8 10
187.9 20 02
188.0 30
188.1 40 03
188.2 50 04
188.3 60 05
188.4 70 06
188.5 80
188.6 90 07
188.7 100 08 09
188.8 110 10 11
188.9 120 12 13
189.0 130 14 15

ID

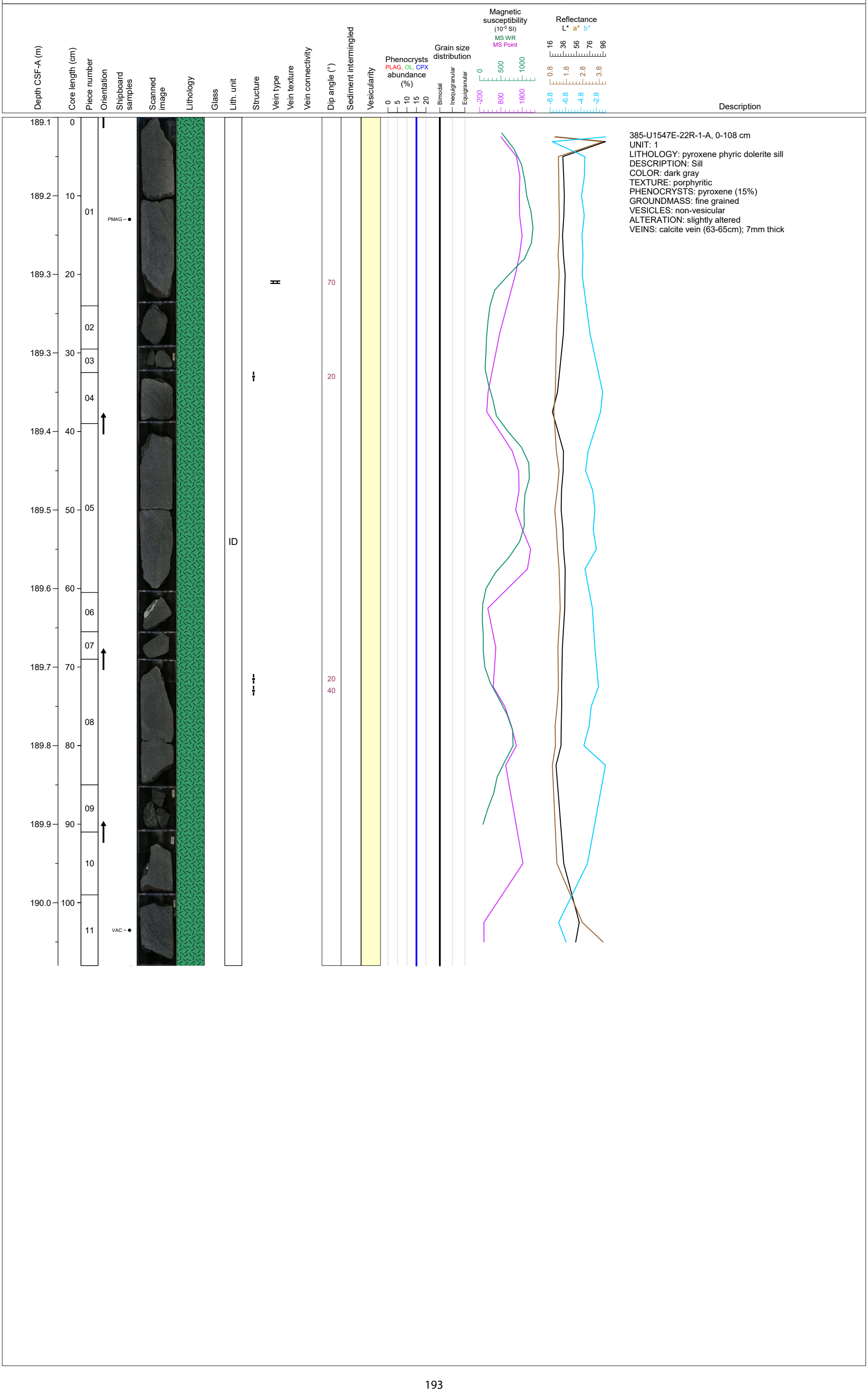
H

S

80 75 65 45 60 85 55 50

385-U1547E-24R-1-A, 0-135 cm
UNIT: 1
LITHOLOGY: clinopyroxene plagioclase phyric dolerite sill
DESCRIPTION: sill
COLOR: greenish gray
TEXTURE: subophitic, porphyritic
PHENOCRYSTS: 10% clinopyroxene + 5% plagioclase
GROUNDMASS: felty, equigranular
VESICLES: no vesicular
UPPER CONTACT:
LOWER CONTACT:
ALTERATION: slightly altered
VEINS: y

Hole 385-U1547E-24R Section 2, Top of Section: 189.05 m (CSF-A)



Hole 385-U1547E-24R Section 3, Top of Section: 190.13 m (CSF-A)