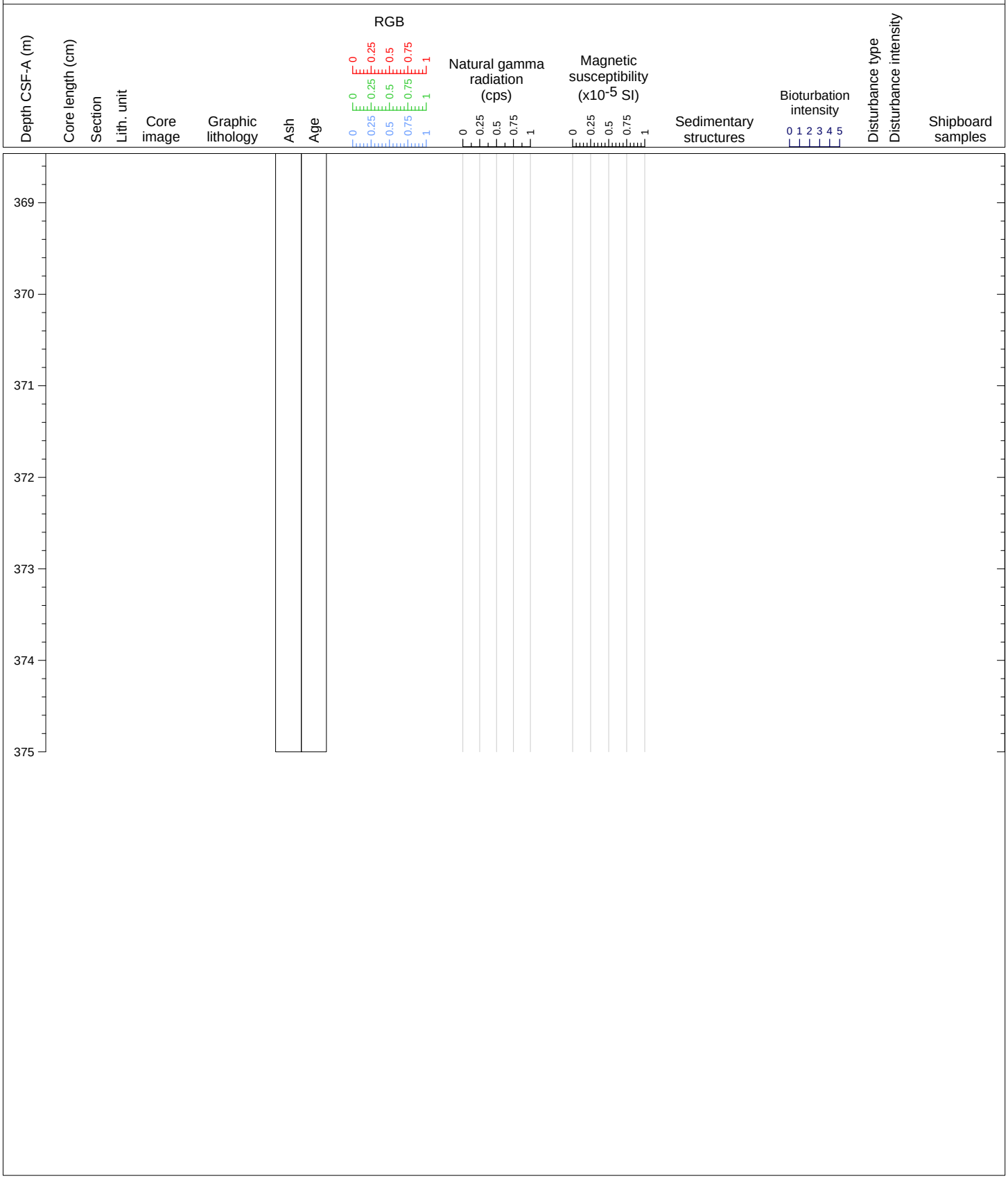
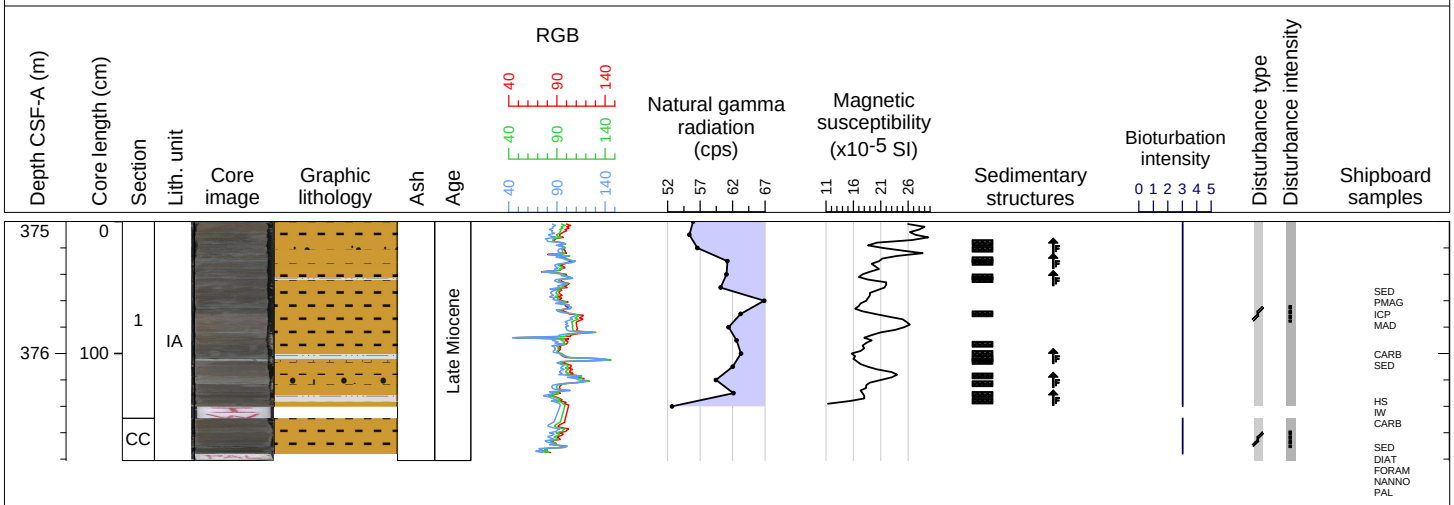
Hole 368-U1502A Core 11, Interval 0.0-375.0 m (CSF-A)

DRILLED INTERVAL



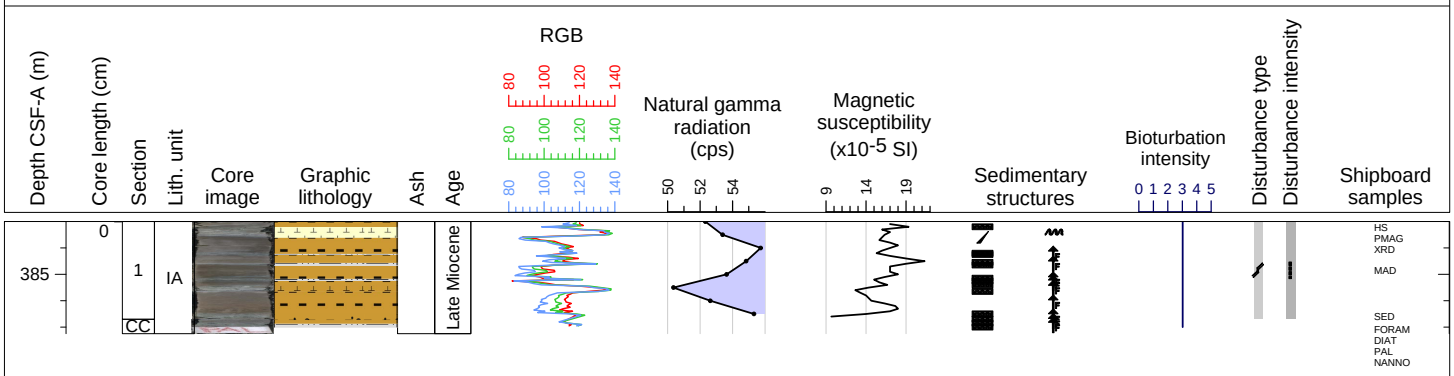
Hole 368-U1502A Core 2R, Interval 375.0-376.81 m (CSF-A)

Dark gray CLAY WITH SILT with dark greenish gray SILTY CLAY and CLAY-RICH NANNOFOSSIL OOZE interbeds. Fining upward grading in the interbeds. Heavy biotubation.



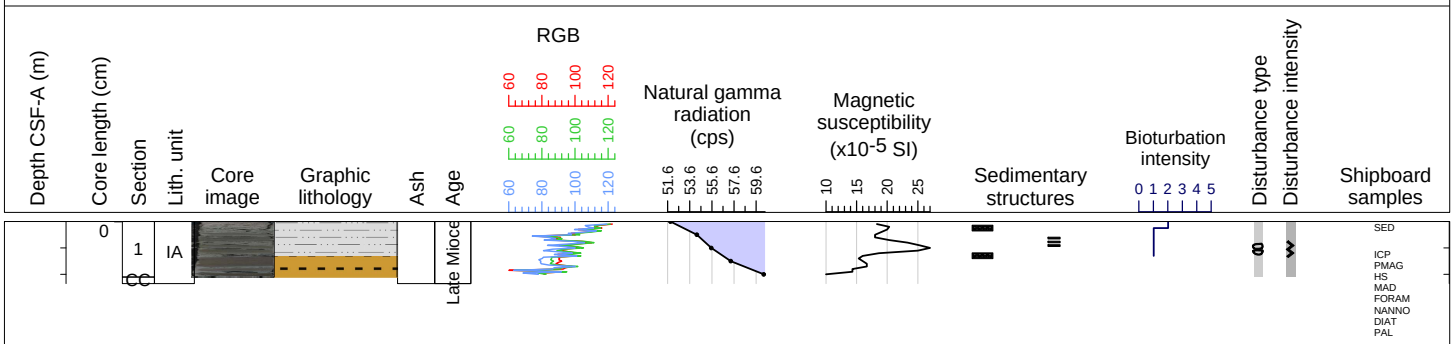
Hole 368-U1502A Core 3R, Interval 384.6-385.45 m (CSF-A)

Dark gray CLAY WITH SILT with dark greenish gray SILTY CLAY and CLAY-RICH NANNOFOSSIL OOZE interbeds. Fining upward grading in the interbeds. Heavy biotubation.



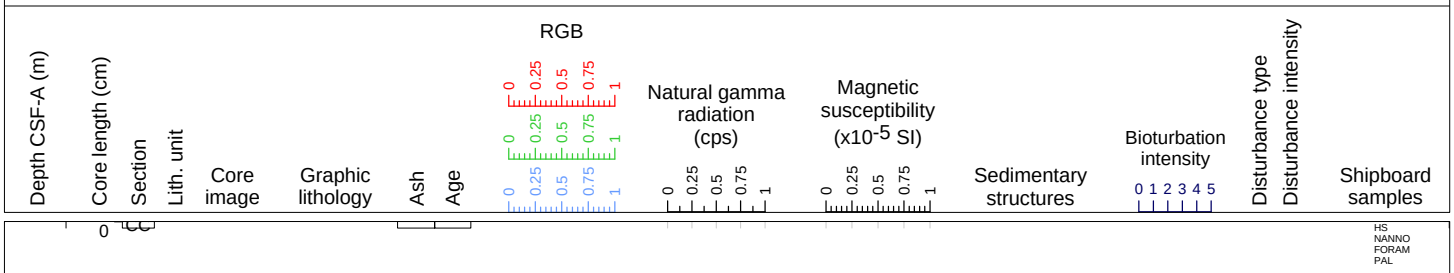
Hole 368-U1502A Core 4R, Interval 394.2-394.67 m (CSF-A)

Gray and dark gray CLAY WITH SILT and SILTY CLAY with parallel lamination. High drilling disturbance.



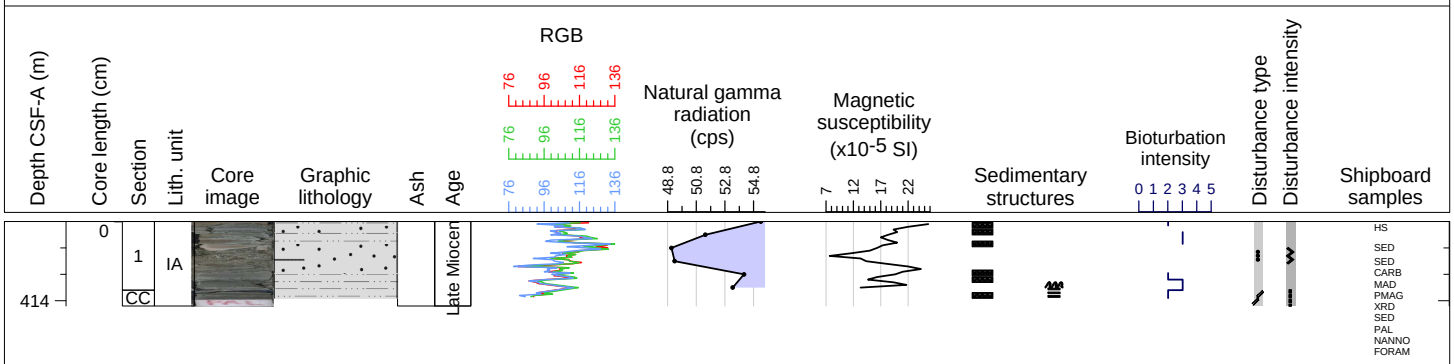
Hole 368-U1502A Core 5R, Interval 403.8-403.85 m (CSF-A)

ALL TO PAL



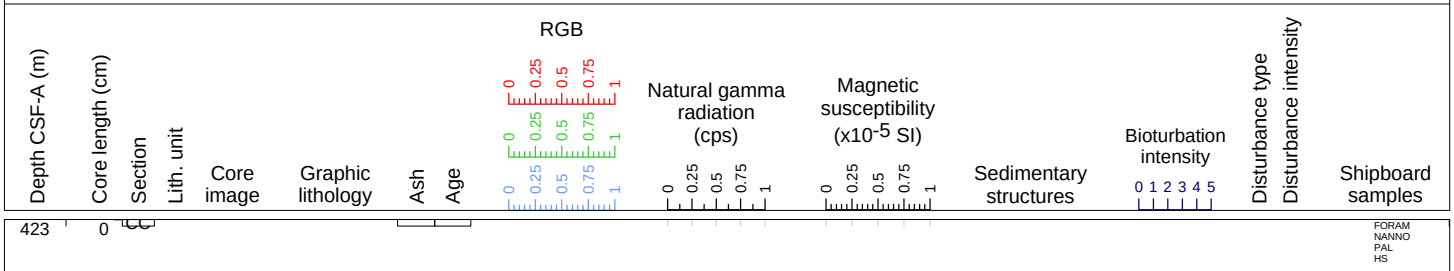
Hole 368-U1502A Core 6R, Interval 413.4-414.04 m (CSF-A)

Gray and dark gray CLAY WITH SILT and SILTY CLAY with moderate to heavy bioturbation and dark greenish gray SANDY CLAY WITH CALCITE that is soupy due to drilling disturbance.



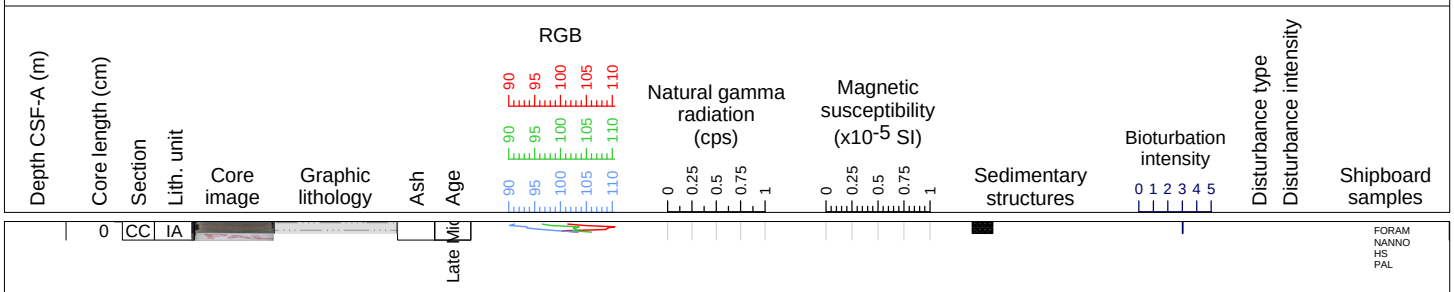
Hole 368-U1502A Core 7R, Interval 423.0-423.05 m (CSF-A)

ALL TO PAL



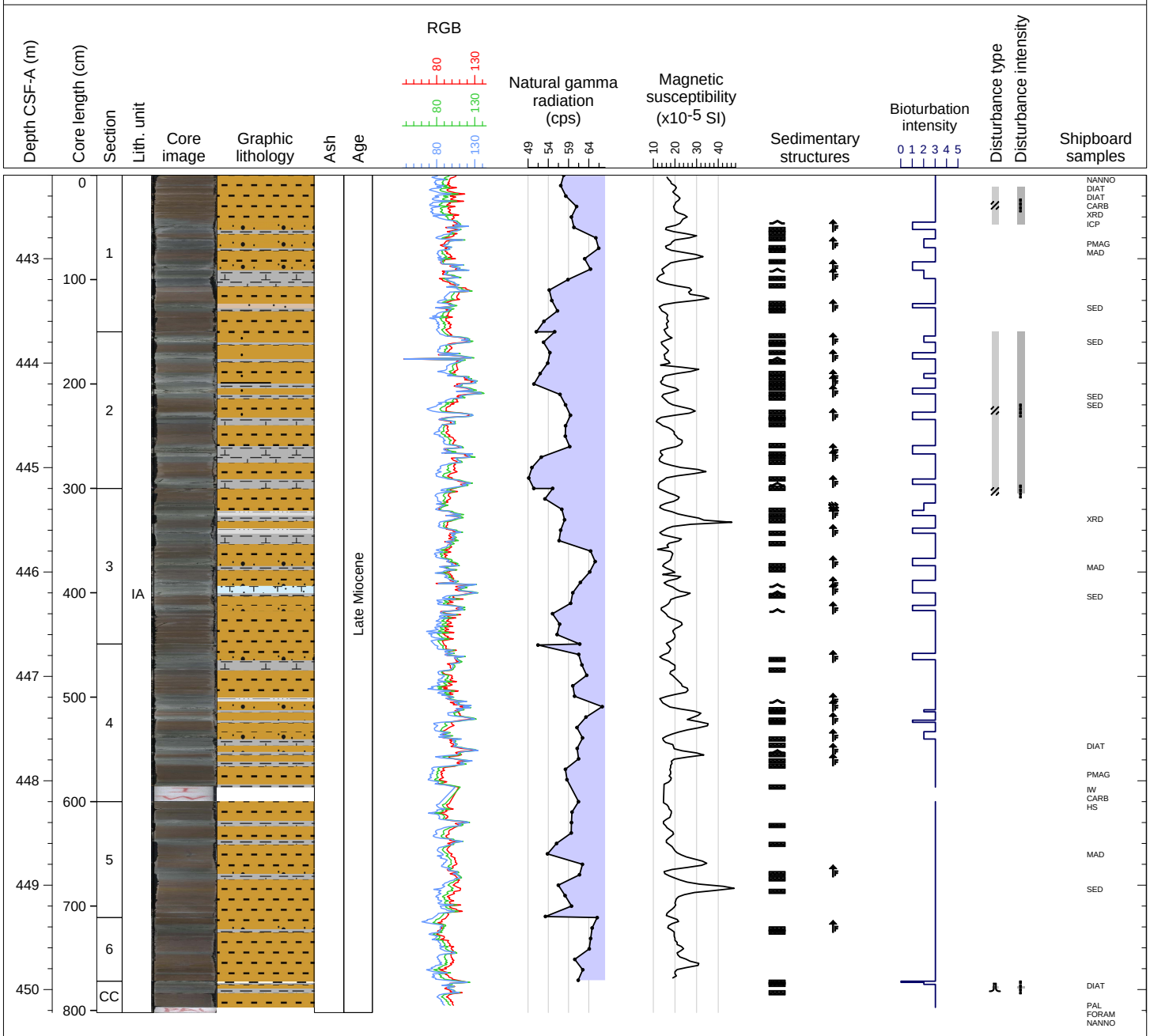
Hole 368-U1502A Core 8R, Interval 432.6-432.74 m (CSF-A)

Interbedded very dark greenish gray, dark gray, and reddish gray SILTY CLAY. Bioturbation is heavy.



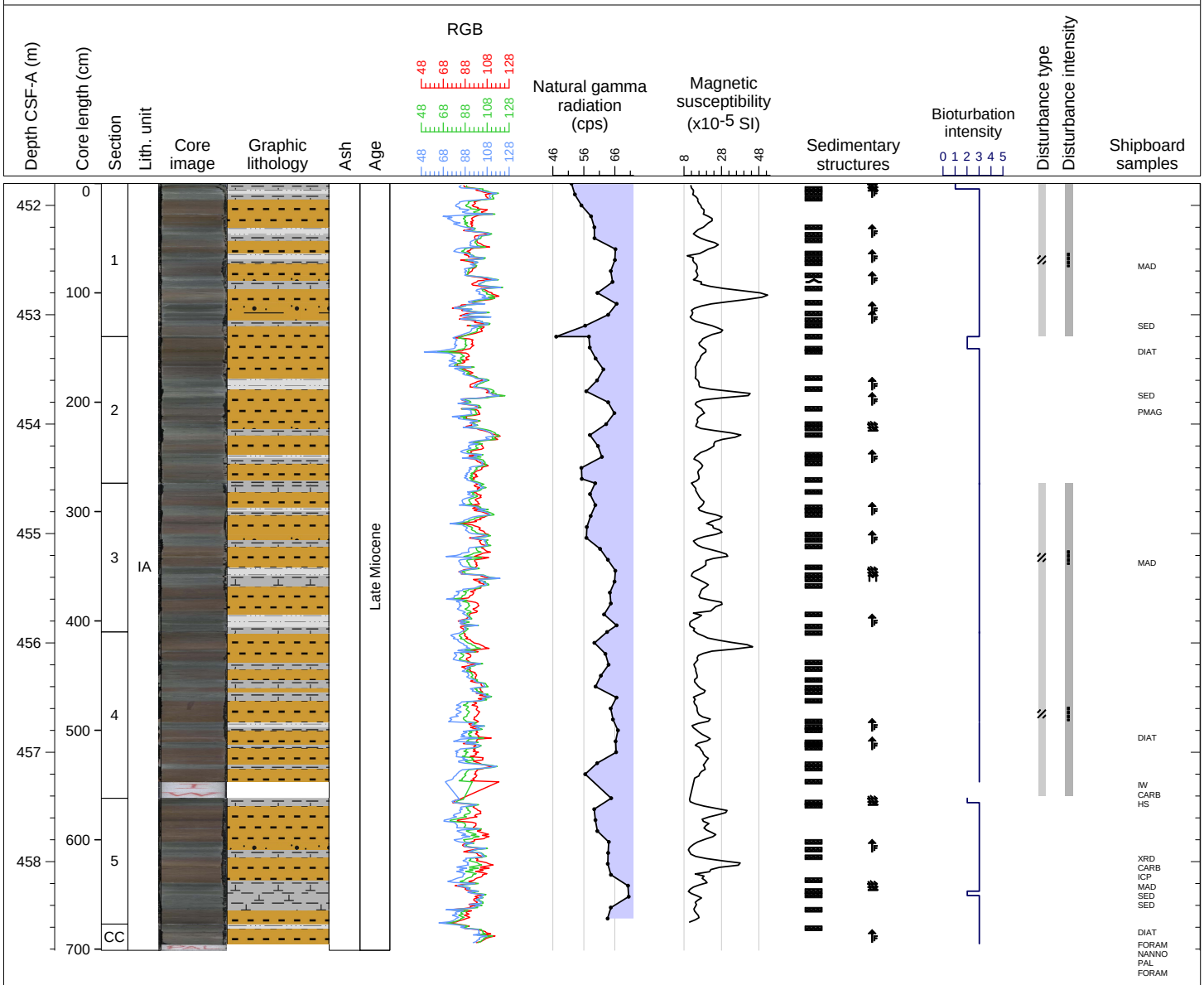
Hole 368-U1502A Core 9R, Interval 442.2-450.22 m (CSF-A)

Greenish gray NANNOFOSSIL-RICH CLAY interbedded with dark grayish brown CLAY WITH NANNOFOSSILS. Bioturbation is moderate to heavy. Sediment is slightly to moderately consolidated. Sediment fining up in the greenish gray NANNOFOSSIL-RICH CLAY.



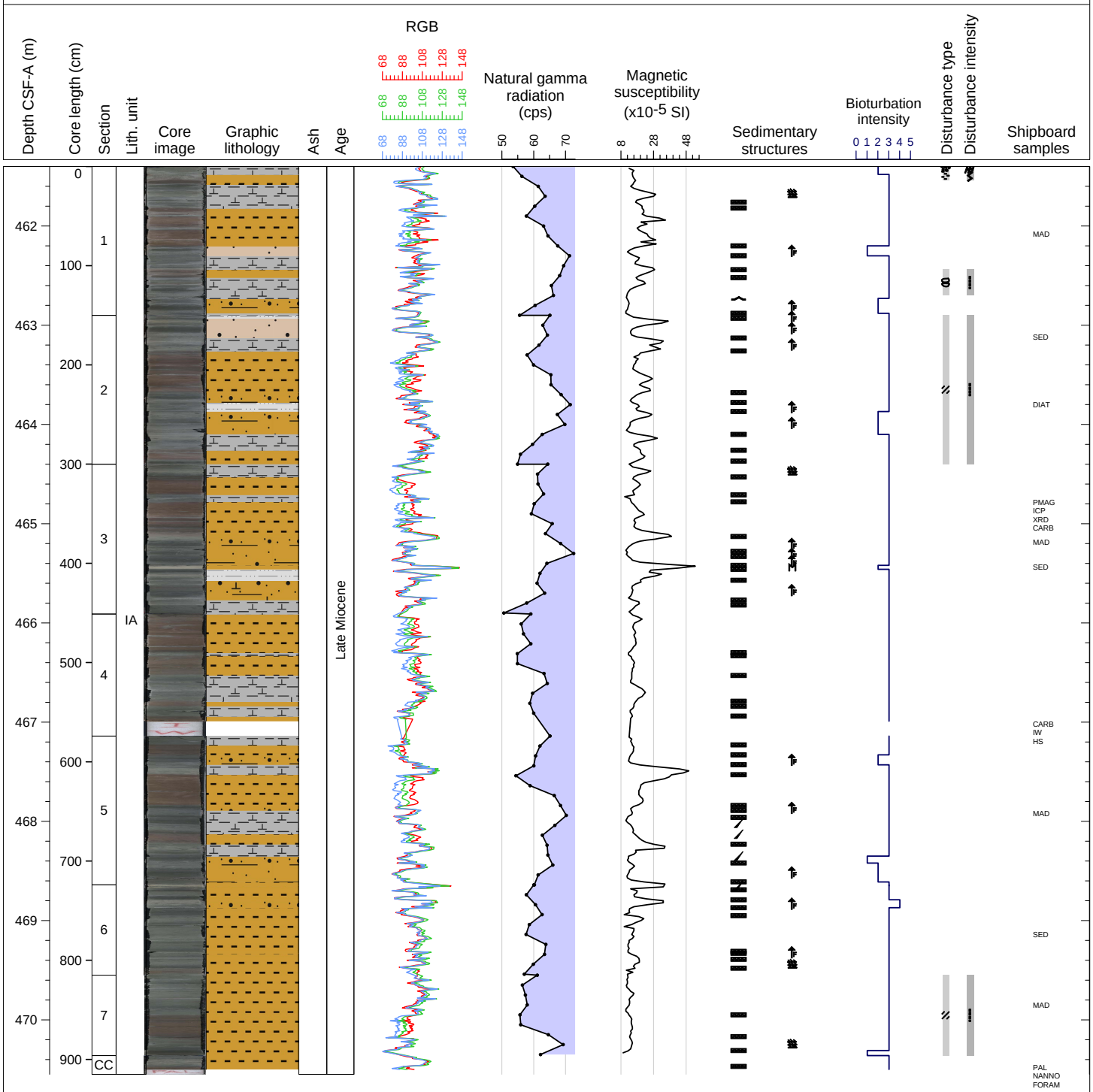
Hole 368-U1502A Core 10R, Interval 451.8-458.81 m (CSF-A)

Greenish gray NANNOFOSSIL-RICH CLAY interbedded with dark grayish brown CLAY WITH NANNOFOSSILS. Bioturbation is moderate to heavy. Sediment is slightly to moderately consolidated. Sediment fining up in the greenish gray NANNOFOSSIL-RICH CLAY. Yellow layers of diagenetic calcite.



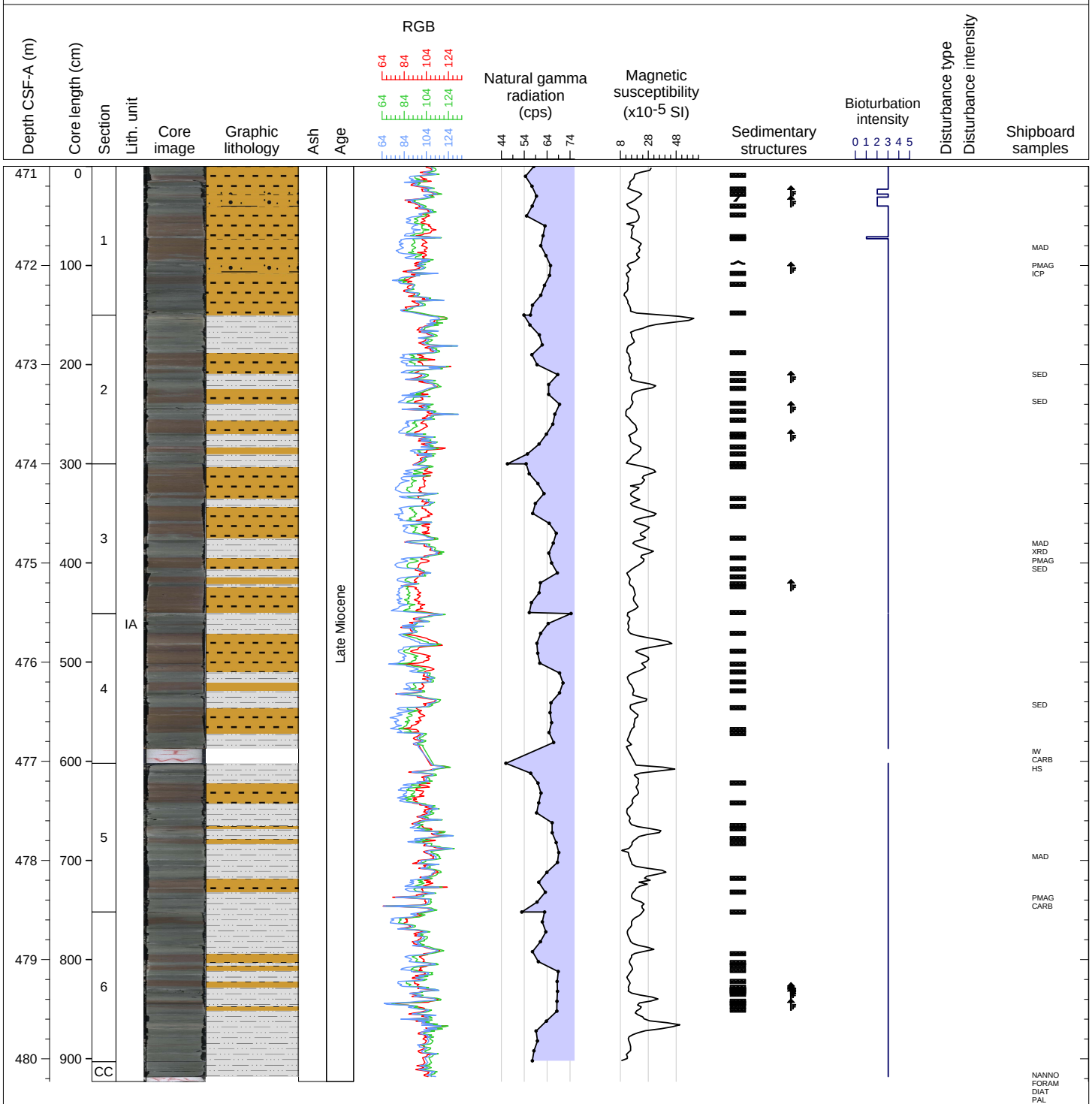
Hole 368-U1502A Core 11R, Interval 461.4-470.55 m (CSF-A)

Greenish gray NANNOFOSSIL-RICH CLAY interbedded with dark grayish brown CLAY WITH NANNOFOSSILS. Bioturbation is moderate to heavy. Sediment is moderately consolidated. Sediment is fining up in the greenish gray NANNOFOSSIL-RICH CLAY. Yellow layers of diagenetic calcite. Coarse sand-size pyrite.



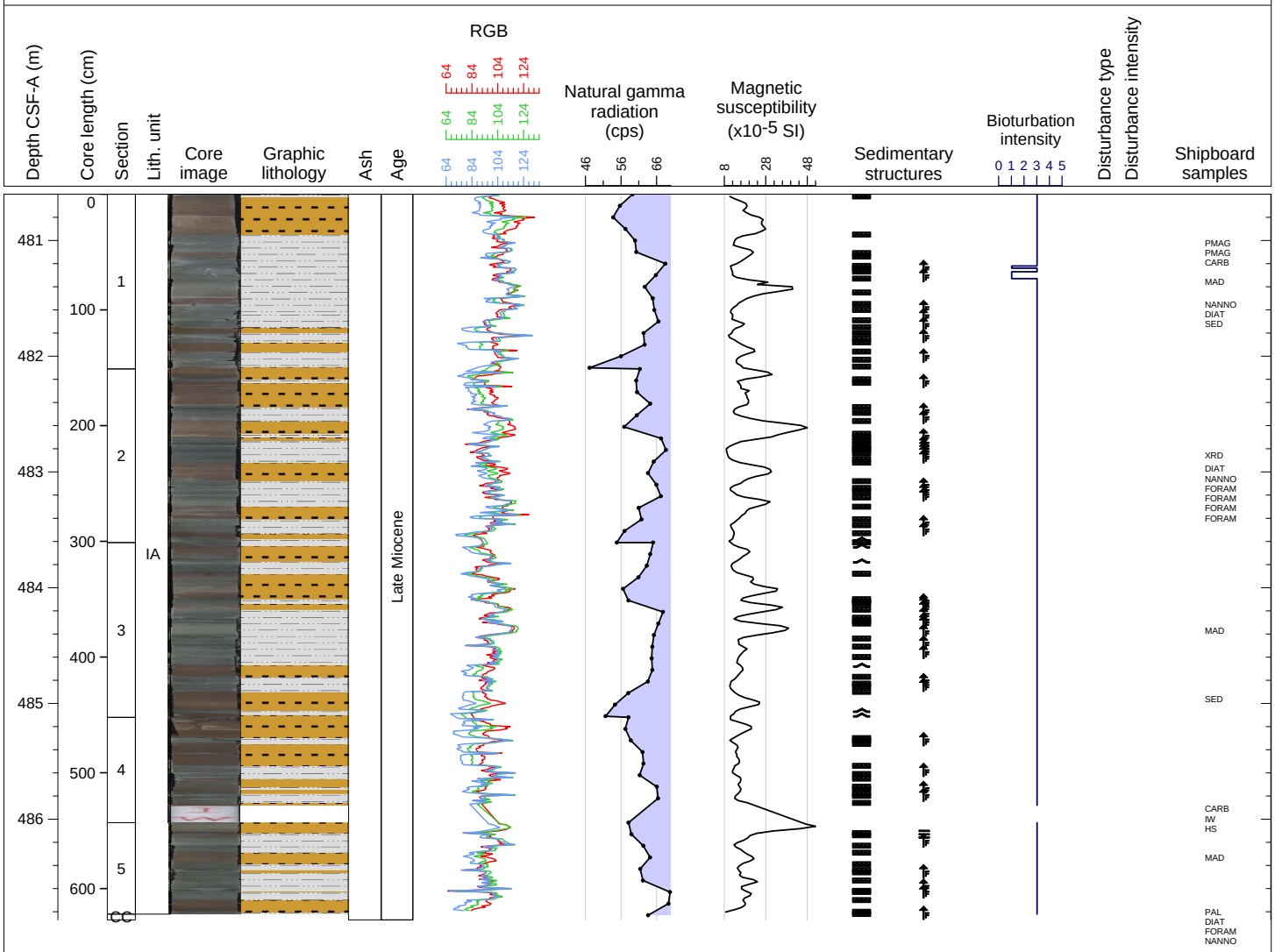
Hole 368-U1502A Core 12R, Interval 471.0-480.23 m (CSF-A)

Greenish gray SILTY CLAY WITH NANNOFOSSILS, interbedded with dark grayish brown and brown CLAY WITH NANNOFOSSILS. Bioturbation is heavy. Centimeter-thick fining upward grading is common.



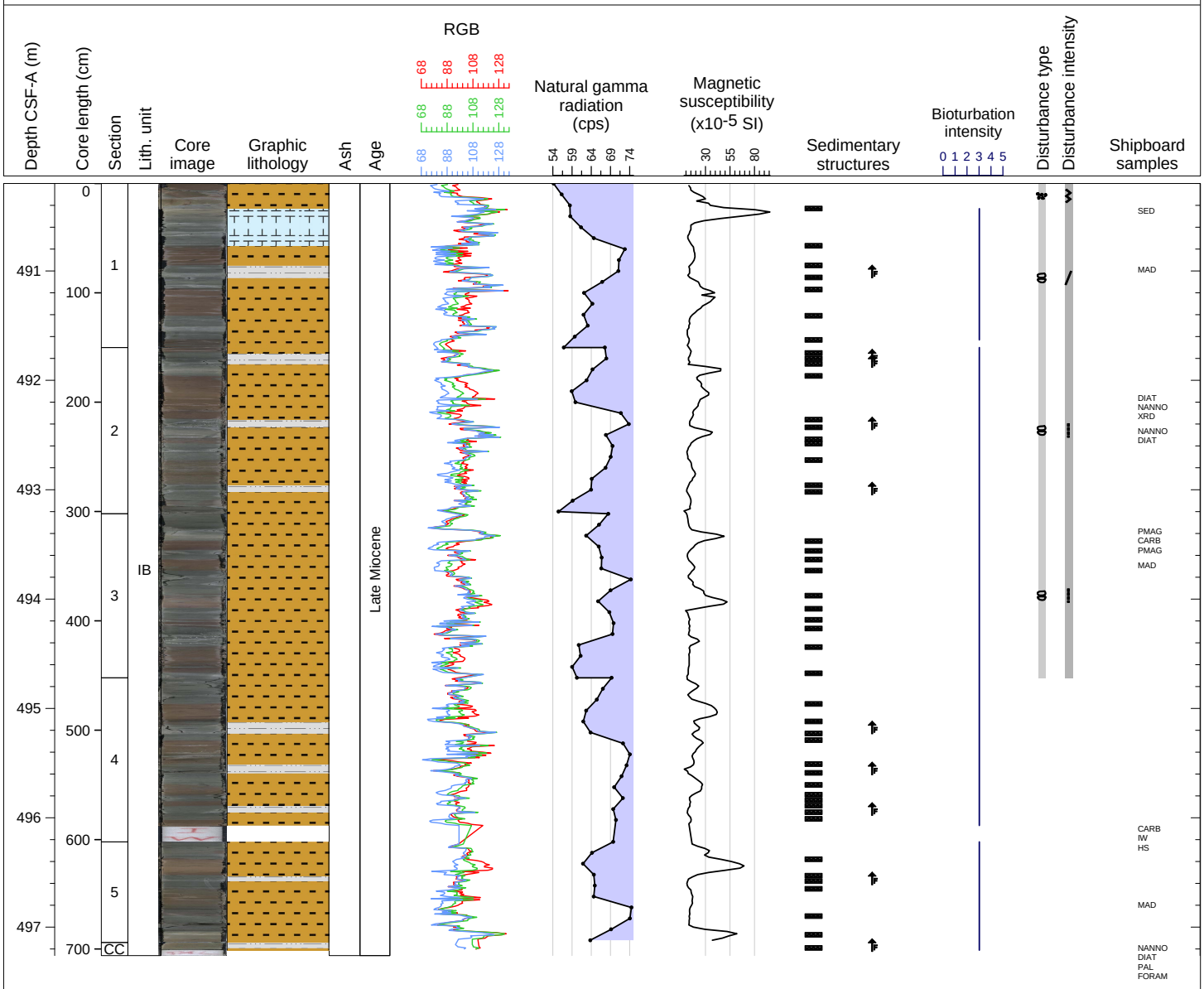
Hole 368-U1502A Core 13R, Interval 480.6-486.87 m (CSF-A)

Greenish gray SILTY CLAY WITH NANNOFOSSILS, interbedded with grayish brown and brown CLAY WITH SILT. Bioturbation is heavy. Fining upward grading is common in centimeter-thick layers.



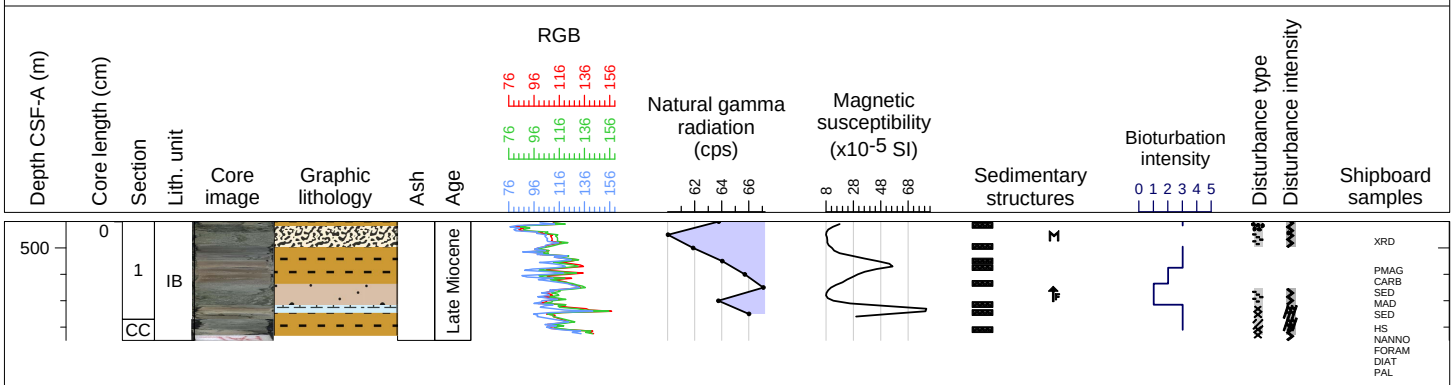
Hole 368-U1502A Core 14R, Interval 490.2-497.26 m (CSF-A)

Greenish gray CLAY interbedded with brownish CLAY and greenish or occasionally brownish SILTY CLAY with fining-upward grading. Bioturbation is heavy.



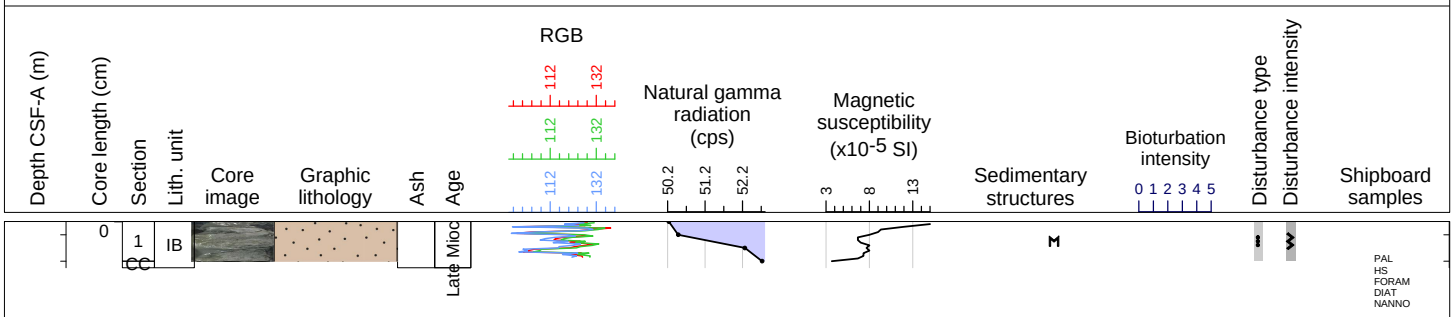
Hole 368-U1502A Core 15R, Interval 499.8-500.7 m (CSF-A)

Greenish gray CLAY and brownish CLAY, with two soupy greenish SANDY SILT intervals. Heavy bioturbation in clay. Massive bedding and fining-upward grading in sandy intervals.



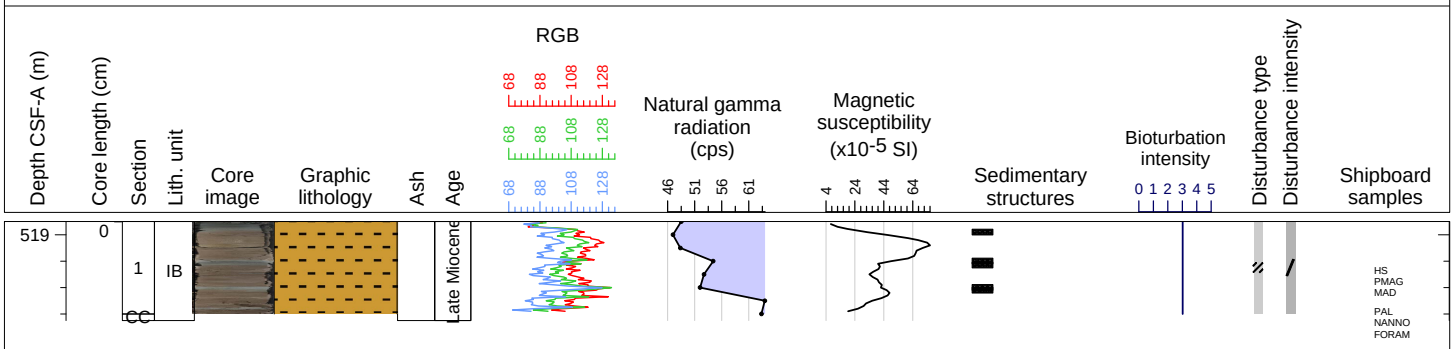
Hole 368-U1502A Core 16R, Interval 509.3-509.65 m (CSF-A)

Soupy greenish gray SILT. Unlithified and with high drilling disturbance.



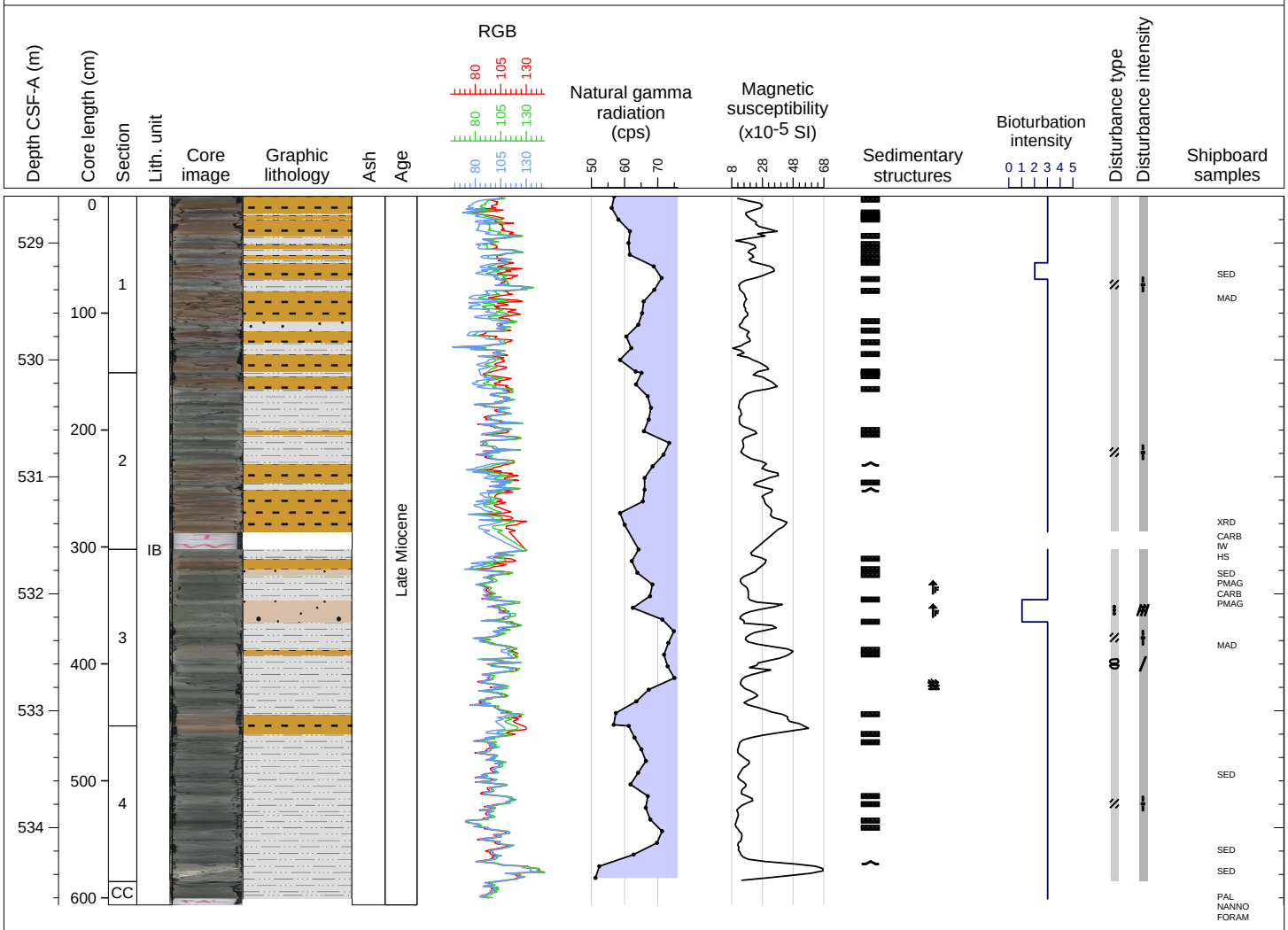
Hole 368-U1502A Core 17R, Interval 518.9-519.65 m (CSF-A)

Brown CLAY intercalated with minor greenish gray CLAY. Heavy bioturbation.



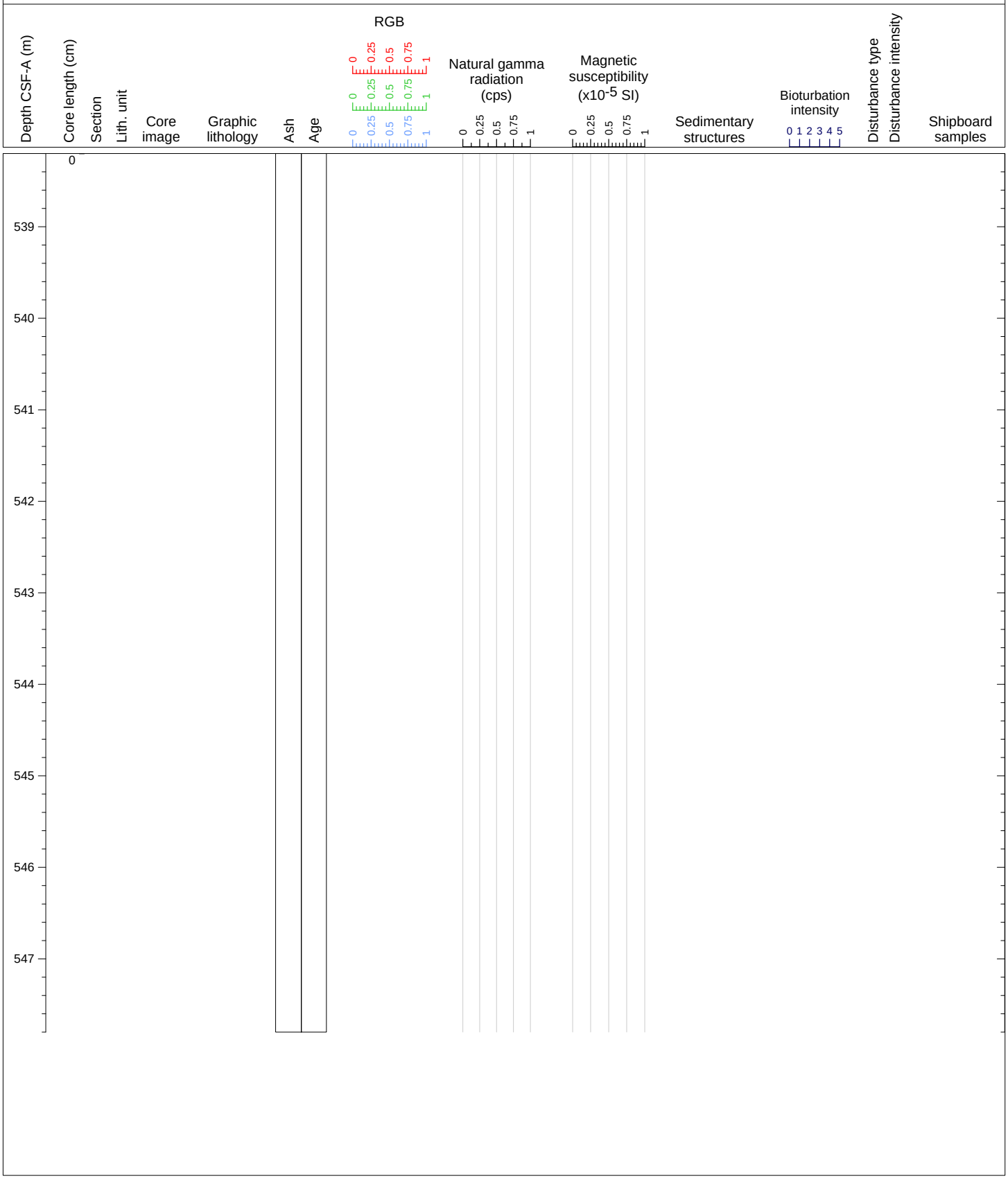
Hole 368-U1502A Core 18R, Interval 528.6-534.66 m (CSF-A)

Brown CLAY intercalated with greenish gray CLAY and SANDY SILT. Heavy bioturbation. Massive bedding and fining-upward grading in sandy intervals.



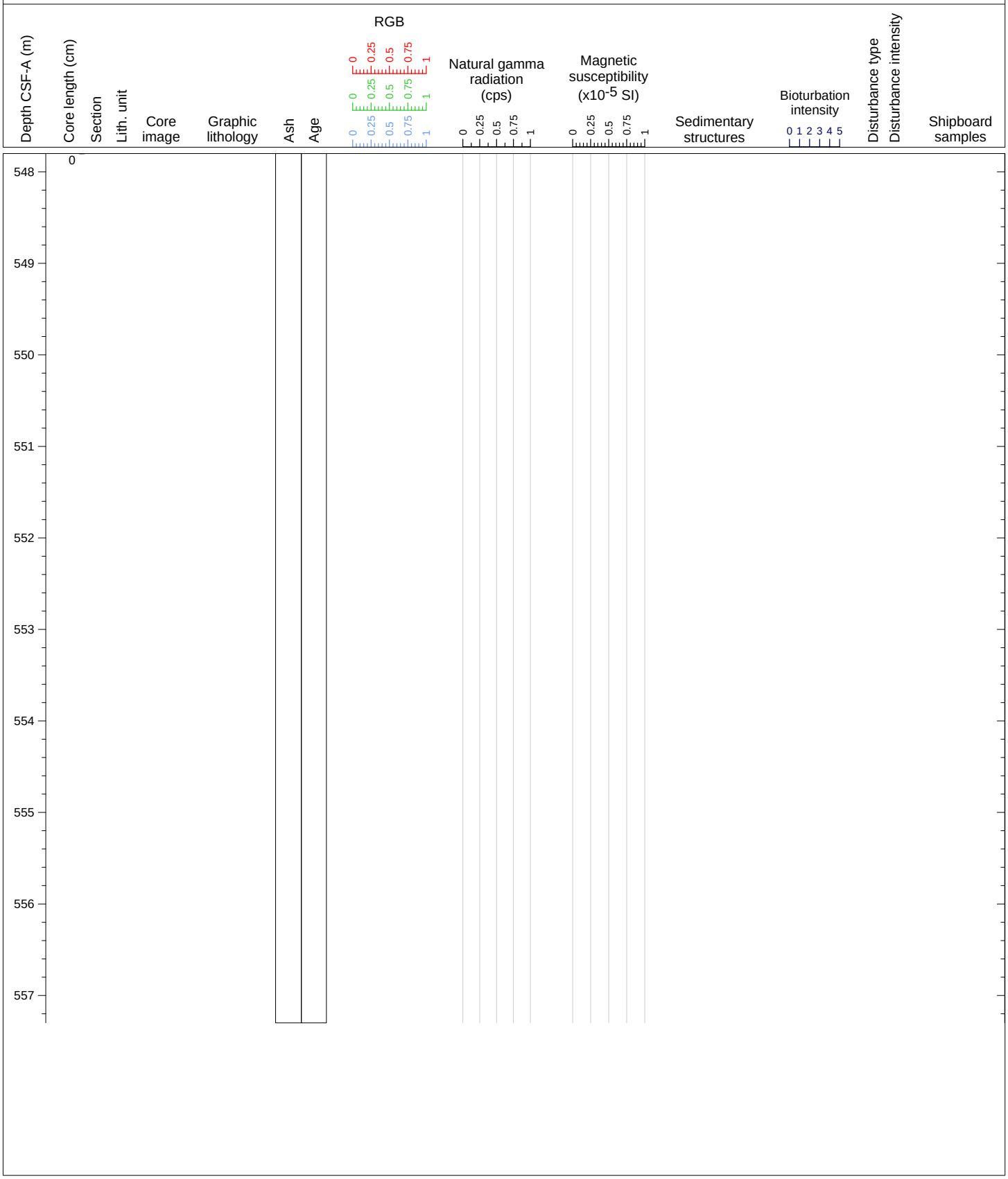
Hole 368-U1502A Core 19R, Interval 538.2-547.8 m (CSF-A)

NO RECOVERY



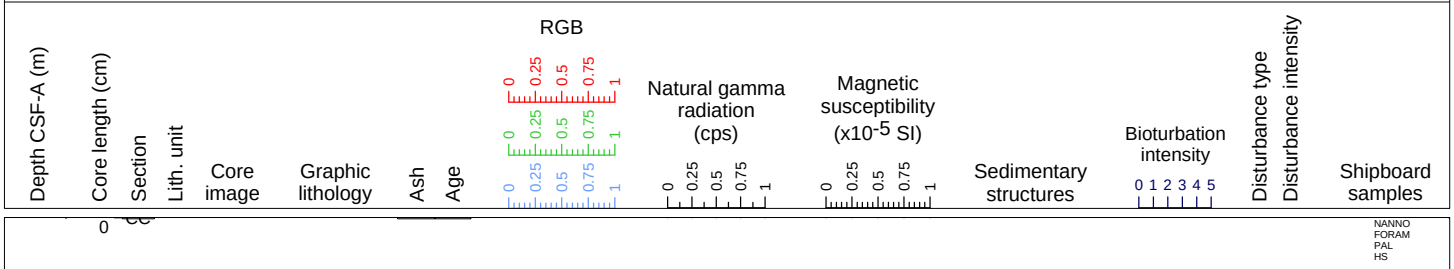
Hole 368-U1502A Core 20R, Interval 547.8-557.3 m (CSF-A)

NO RECOVERY



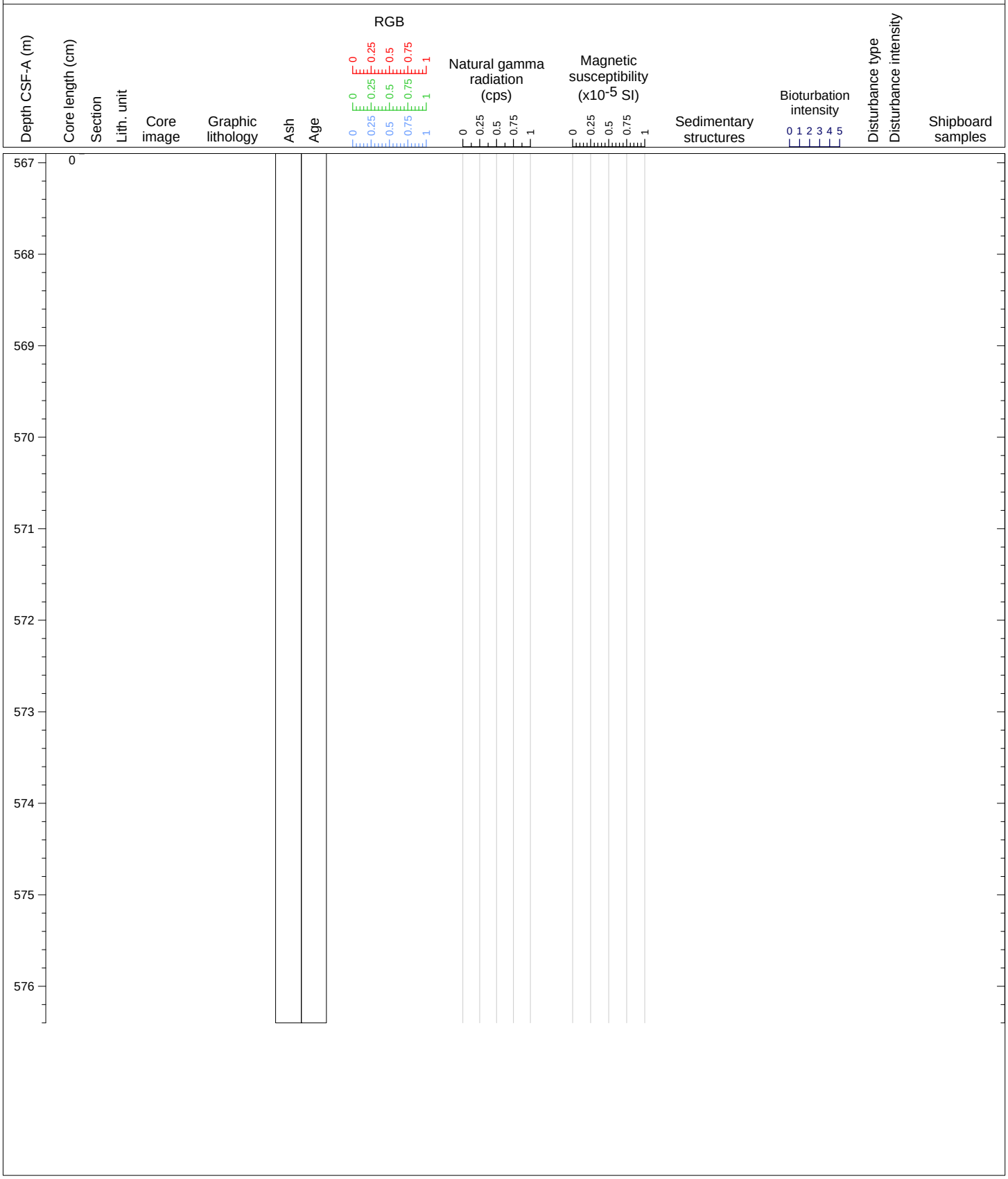
Hole 368-U1502A Core 21R, Interval 557.3-557.31 m (CSF-A)

ALL TO PAL



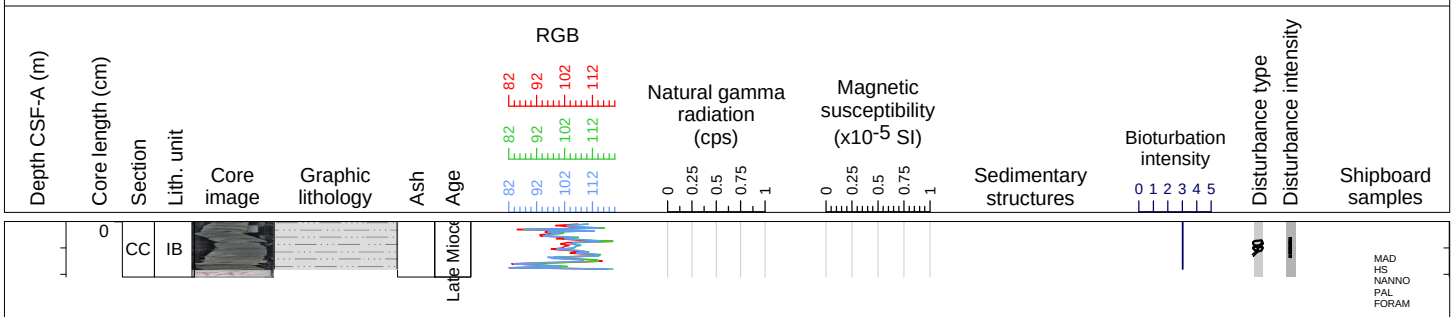
Hole 368-U1502A Core 22R, Interval 566.9-576.4 m (CSF-A)

NO RECOVERY



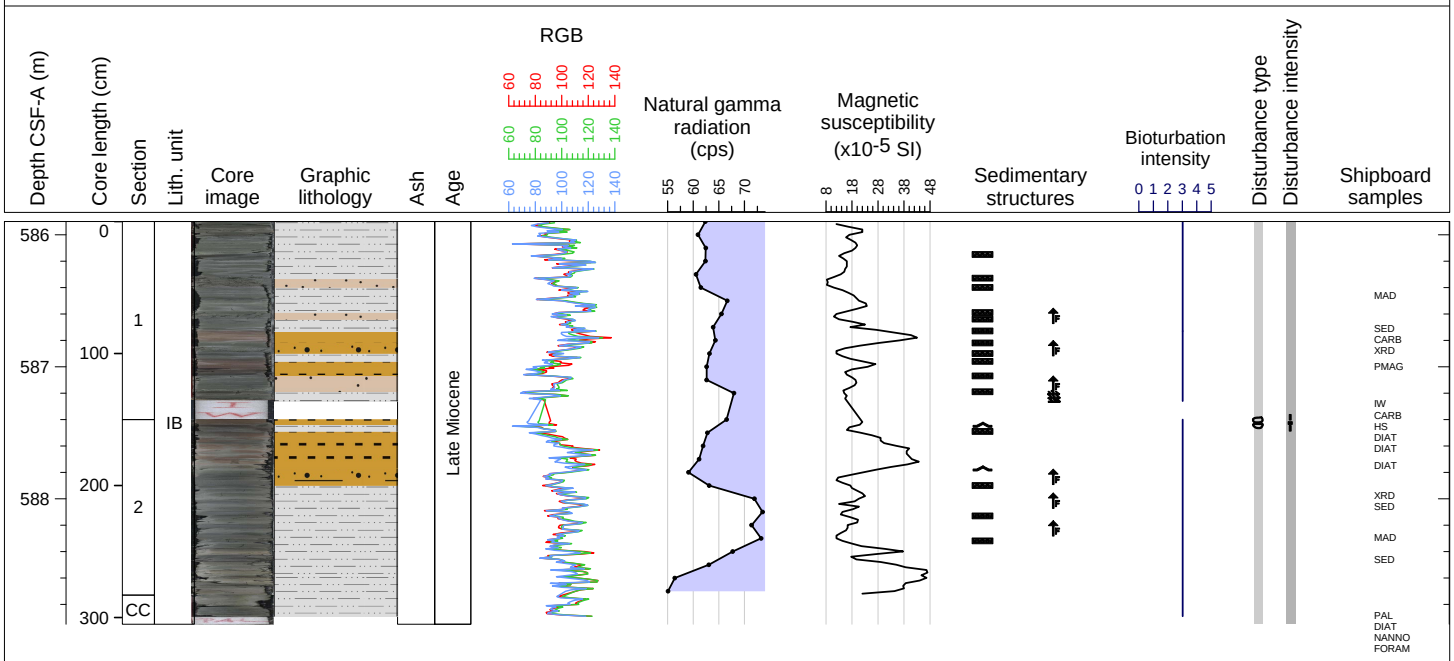
Hole 368-U1502A Core 23R, Interval 576.4-576.82 m (CSF-A)

Dark gray SILTY CLAY. Heavy bioturbation.



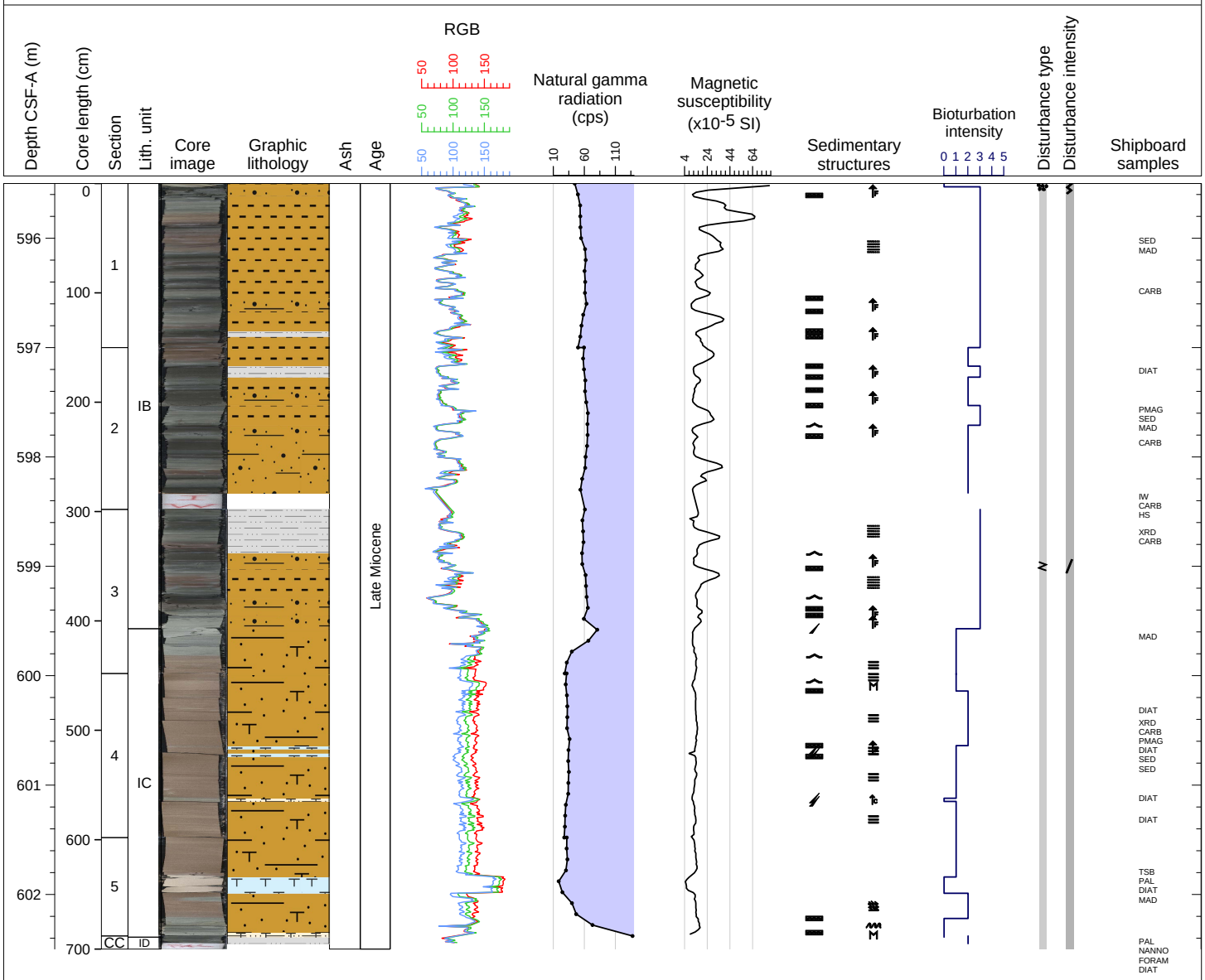
Hole 368-U1502A Core 24R, Interval 585.9-588.95 m (CSF-A)

Brown CLAY intercalated with greenish gray CLAY and SANDY SILT. Heavy bioturbation. Massive bedding and fining-upward grading in sandy intervals.



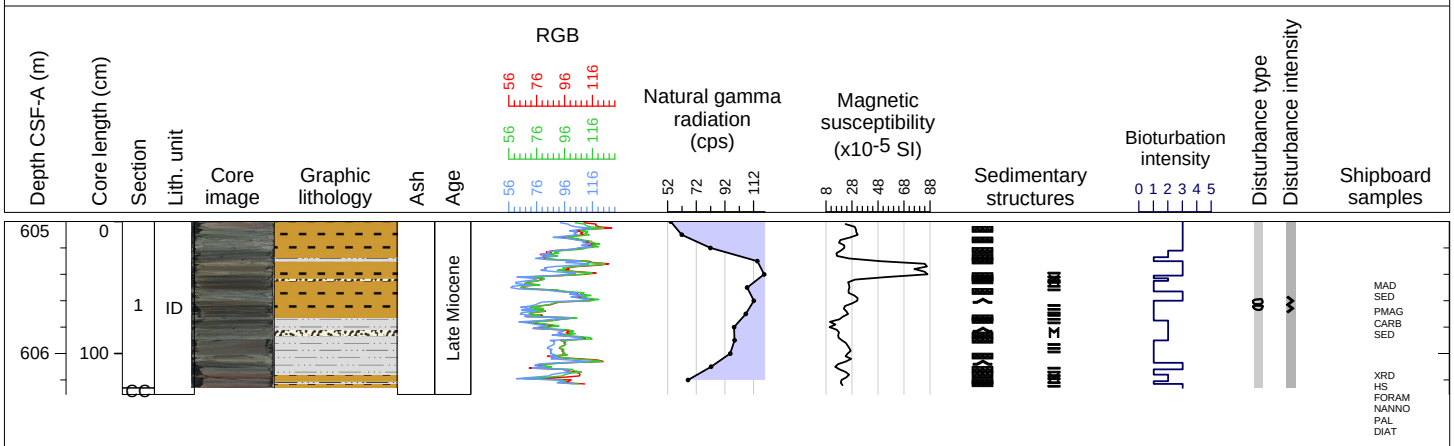
Hole 368-U1502A Core 25R, Interval 595.5-602.5 m (CSF-A)

Very dark gray and greenish gray SILTY CLAY alternating with reddish gray CLAY to reddish gray/pinkish SILTSTONE, greenish gray SANDSTONE and minor FORAMINIFERAL CHALK. Sediment is well consolidated to lithified. Bioturbation ranges from none to heavy.



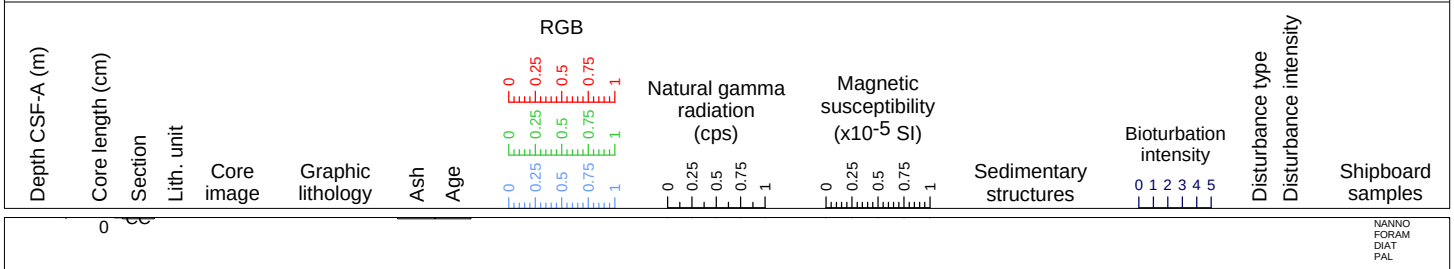
Hole 368-U1502A Core 26R, Interval 605.0-606.31 m (CSF-A)

Greenish gray to very dark greenish gray CLAY and SILTY CLAY, with light greenish gray SILTY SAND and brownish CLAY interbeds. Parallel lamination and fining-upward grading are common in SILTY CLAY. Bioturbation varies from slight to heavy.



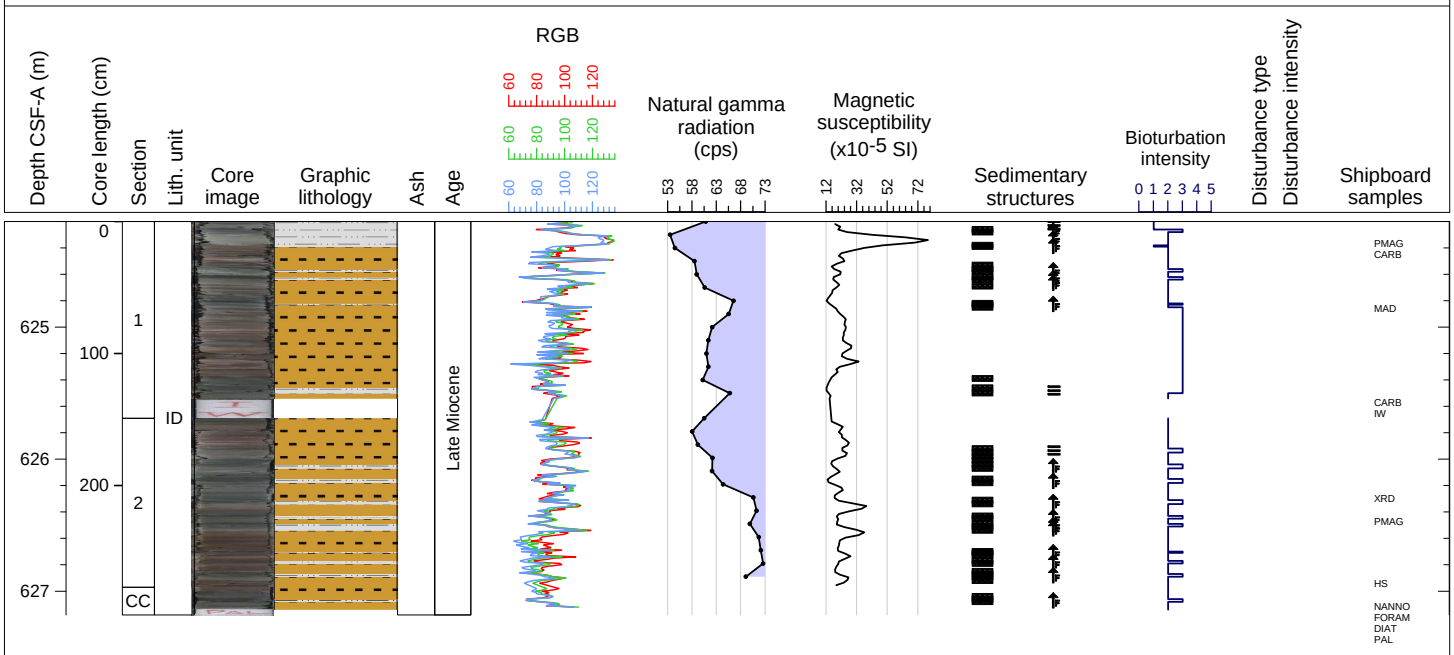
Hole 368-U1502A Core 27R, Interval 614.6-614.61 m (CSF-A)

ALL TO PAL



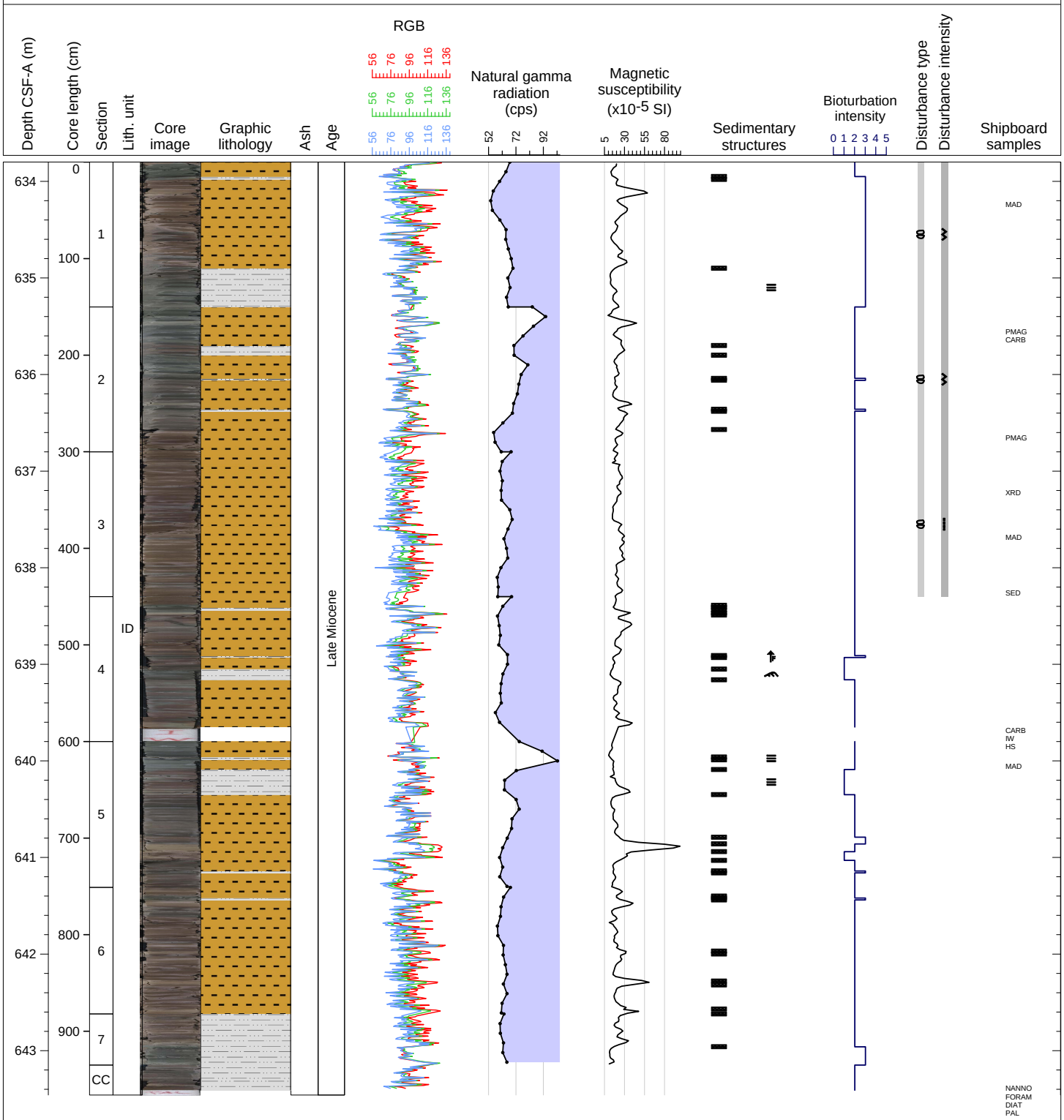
Hole 368-U1502A Core 28R, Interval 624.2-627.18 m (CSF-A)

Brownish CLAY WITH SILT, interbedded with greenish gray to very dark greenish gray CLAY WITH SILT and SILTY CLAY. Parallel lamination and fining-upward grading are common in SILTY CLAY. Moderate to heavy bioturbation.



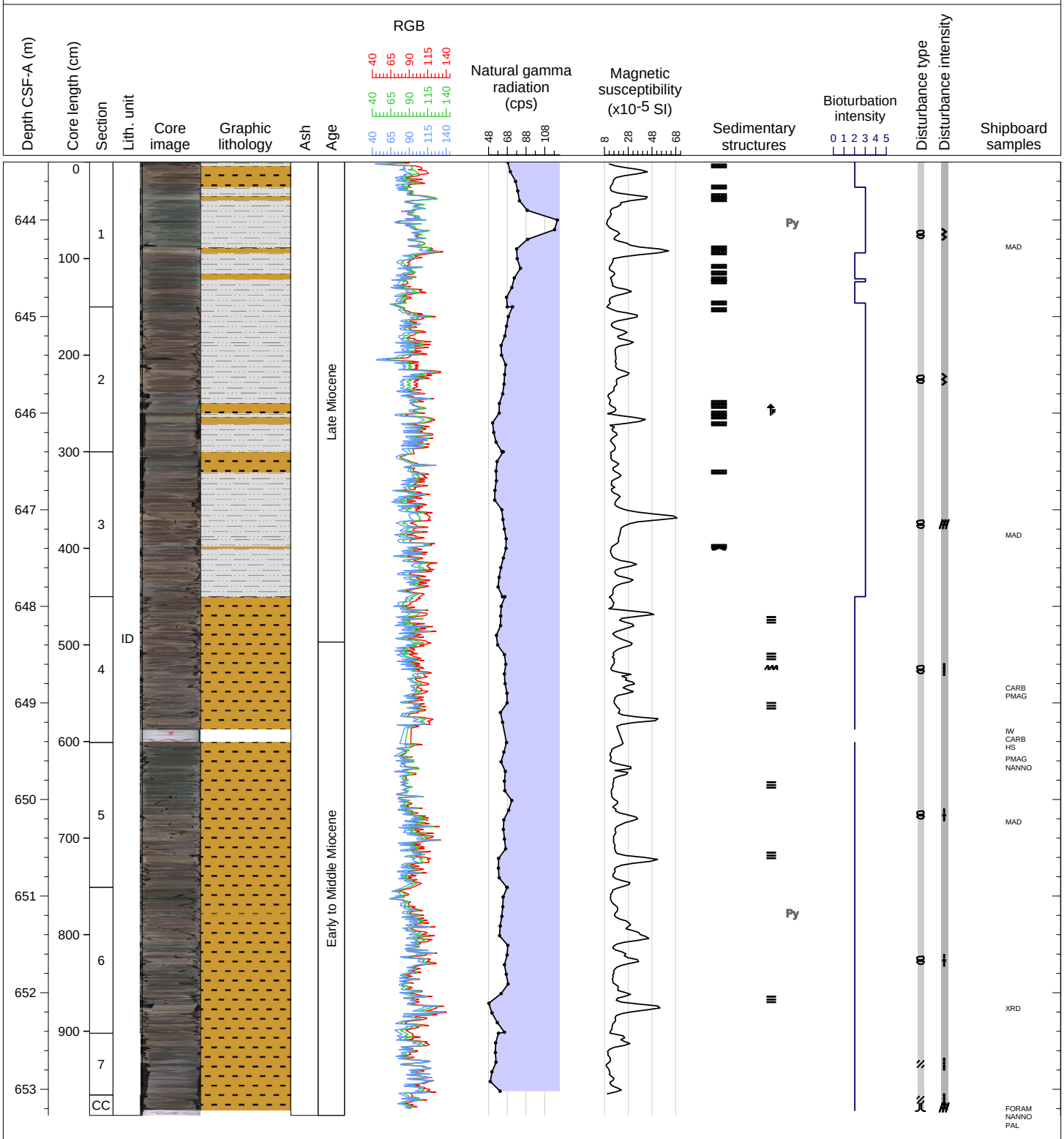
Hole 368-U1502A Core 29R, Interval 633.8-643.46 m (CSF-A)

Brownish CLAY WITH SILT, with about 15-20% greenish gray CLAY WITH SILT and SILTY CLAY. Parallel lamination and fining-upward grading occasionally occur. Moderate bioturbation.



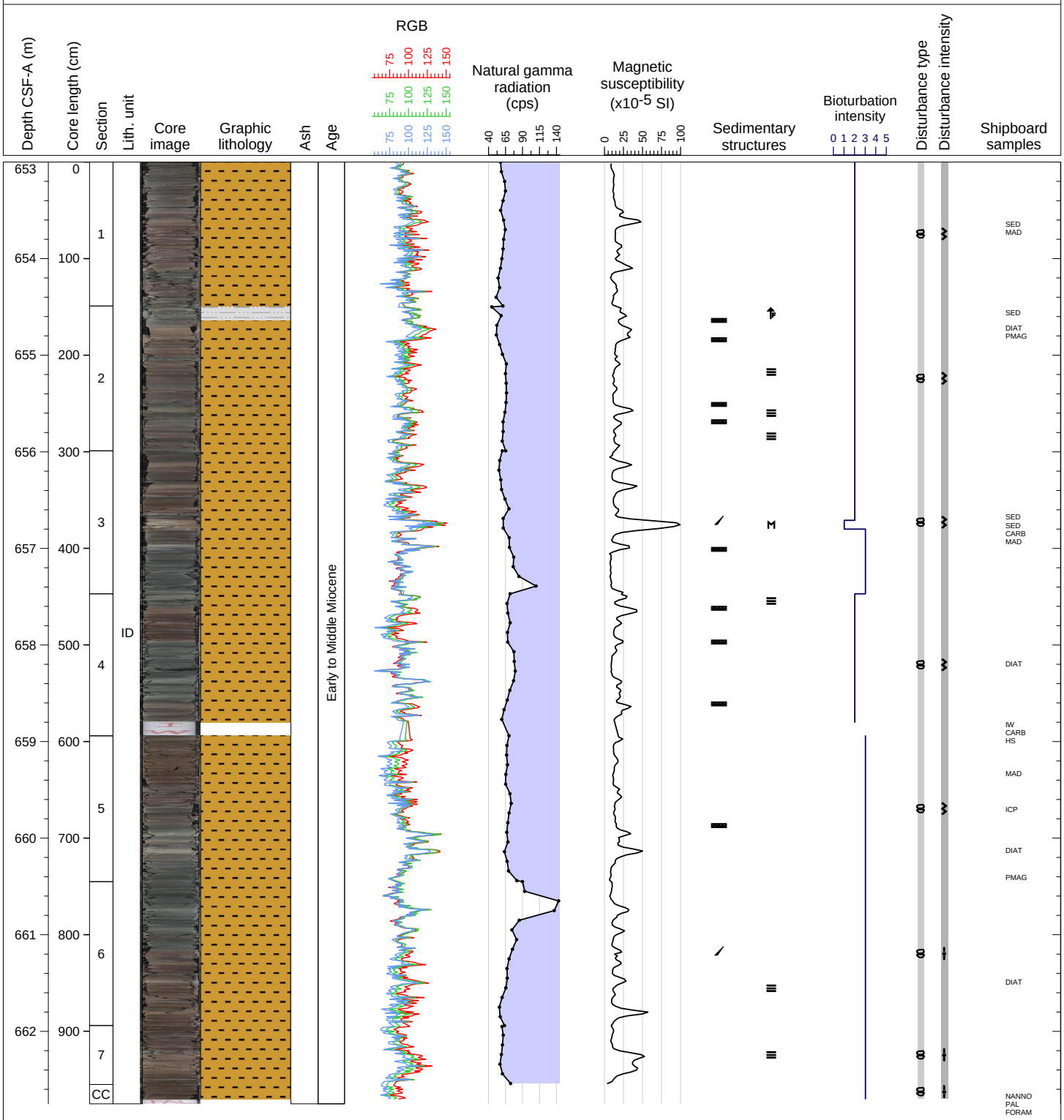
Hole 368-U1502A Core 30R, Interval 643.4-653.27 m (CSF-A)

Brownish CLAY WITH SILT, with about 10% greenish gray to dark greenish CLAY WITH SILT and SILTY CLAY. Moderate to heavy bioturbation.



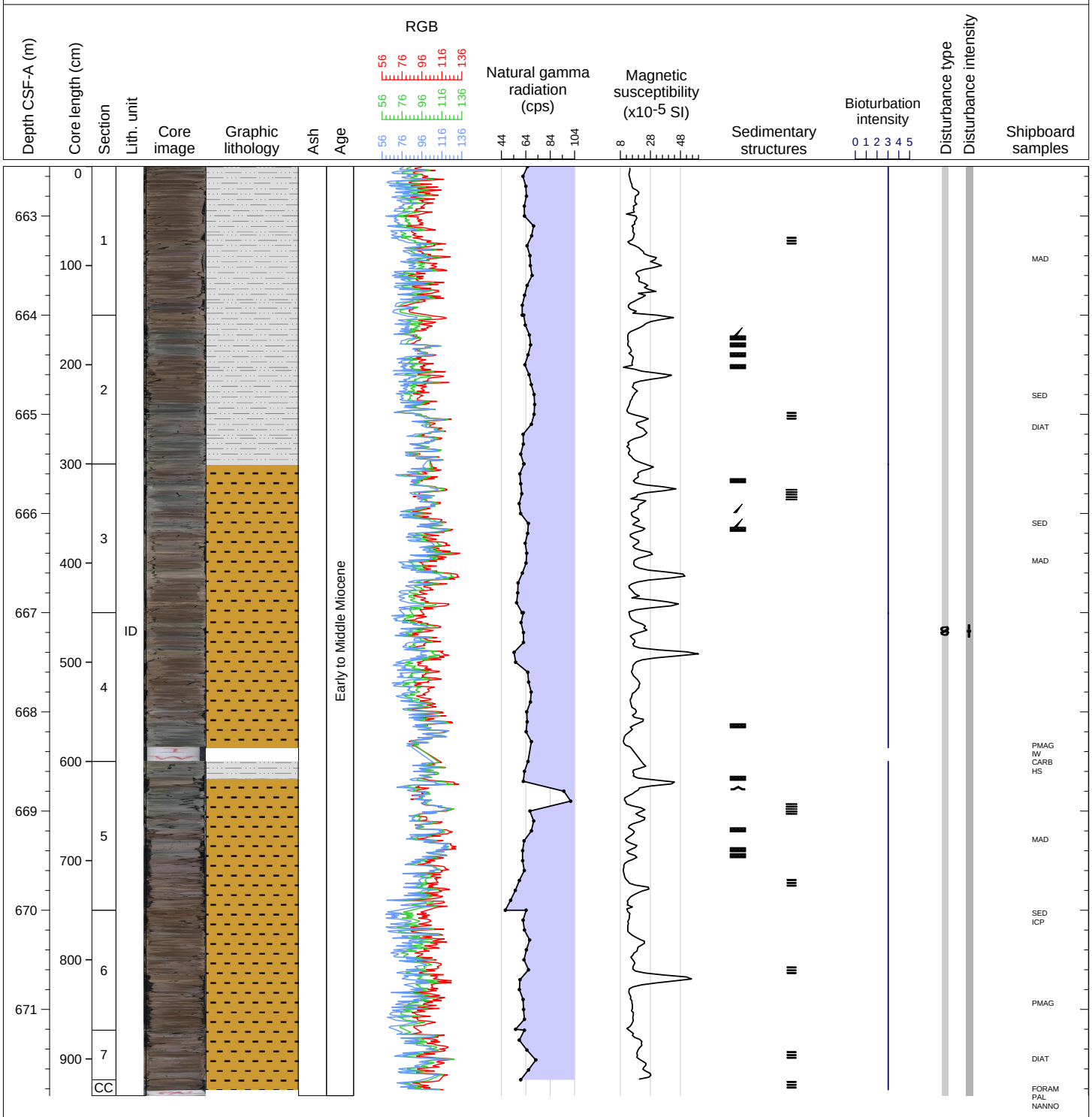
Hole 368-U1502A Core 31R, Interval 653.0-662.75 m (CSF-A)

Reddish gray and greenish gray CLAY. Moderate to heavy bioturbation. Pyritized burrows.



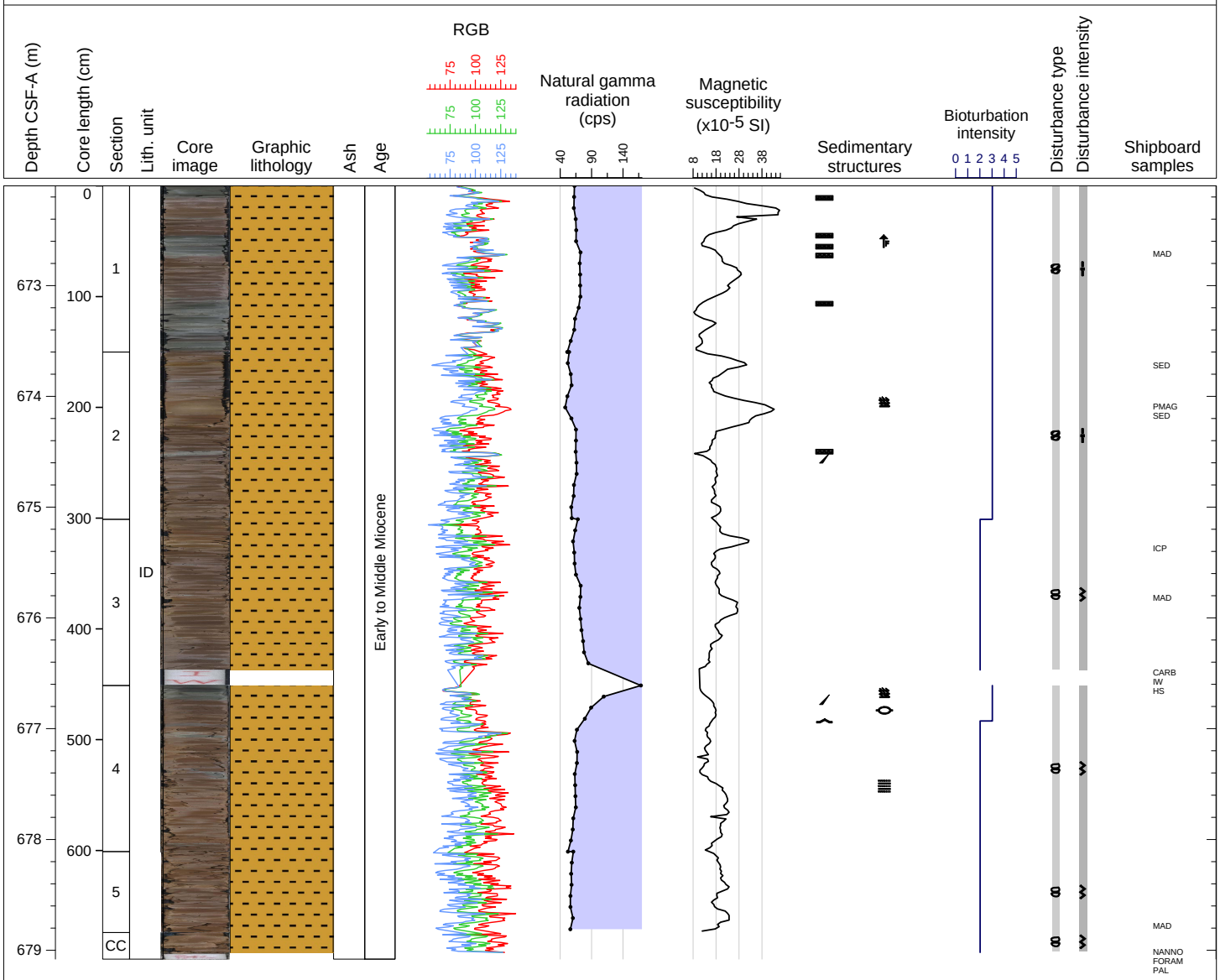
Hole 368-U1502A Core 32R, Interval 662.5-671.87 m (CSF-A)

Reddish gray and greenish gray CLAY and SILTY CLAY. Moderate to heavy bioturbation.



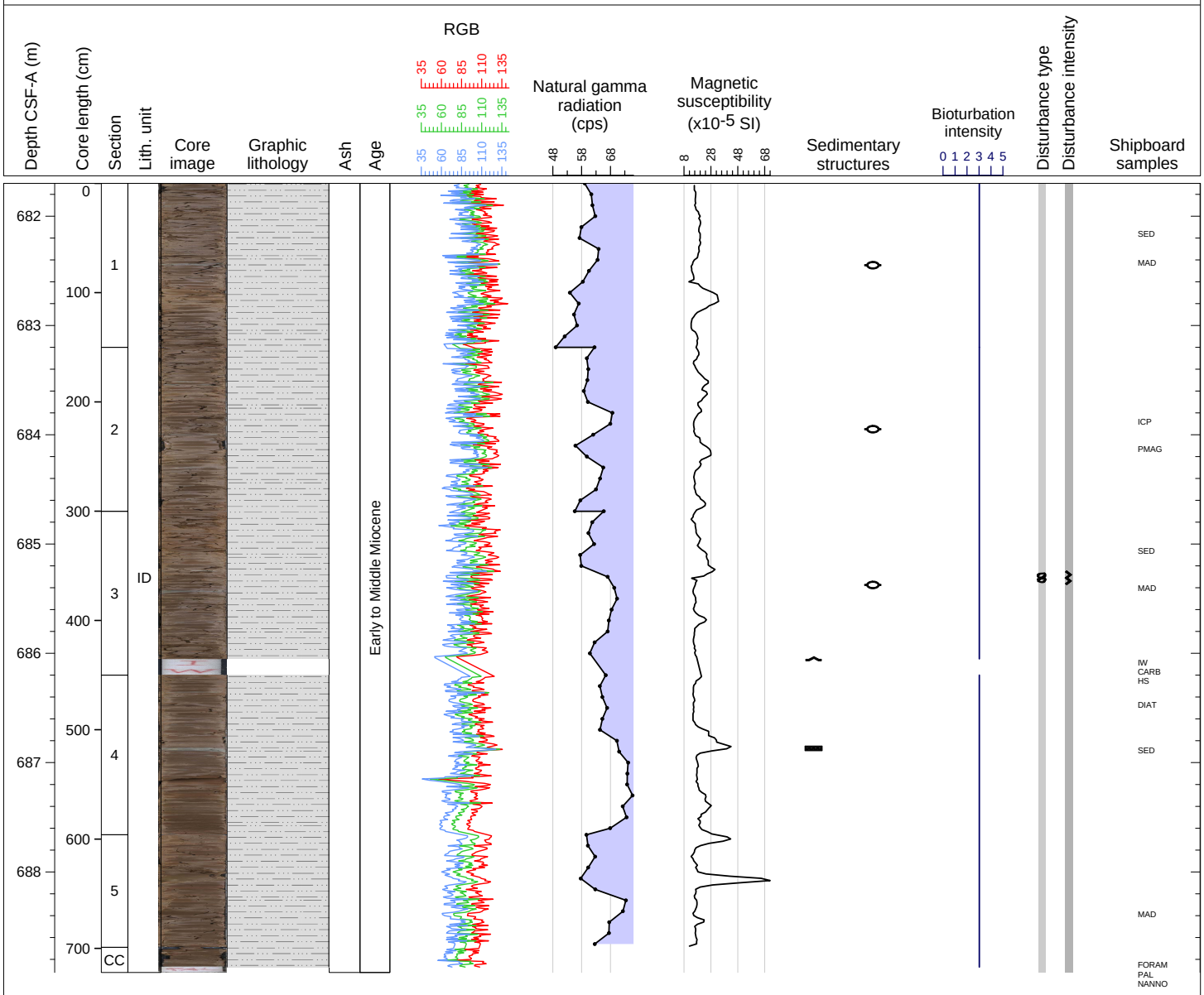
Hole 368-U1502A Core 33R, Interval 672.1-679.08 m (CSF-A)

Brown CLAY with minor dark greenish gray CLAY. Yellowish layers with diagentic dolomite.



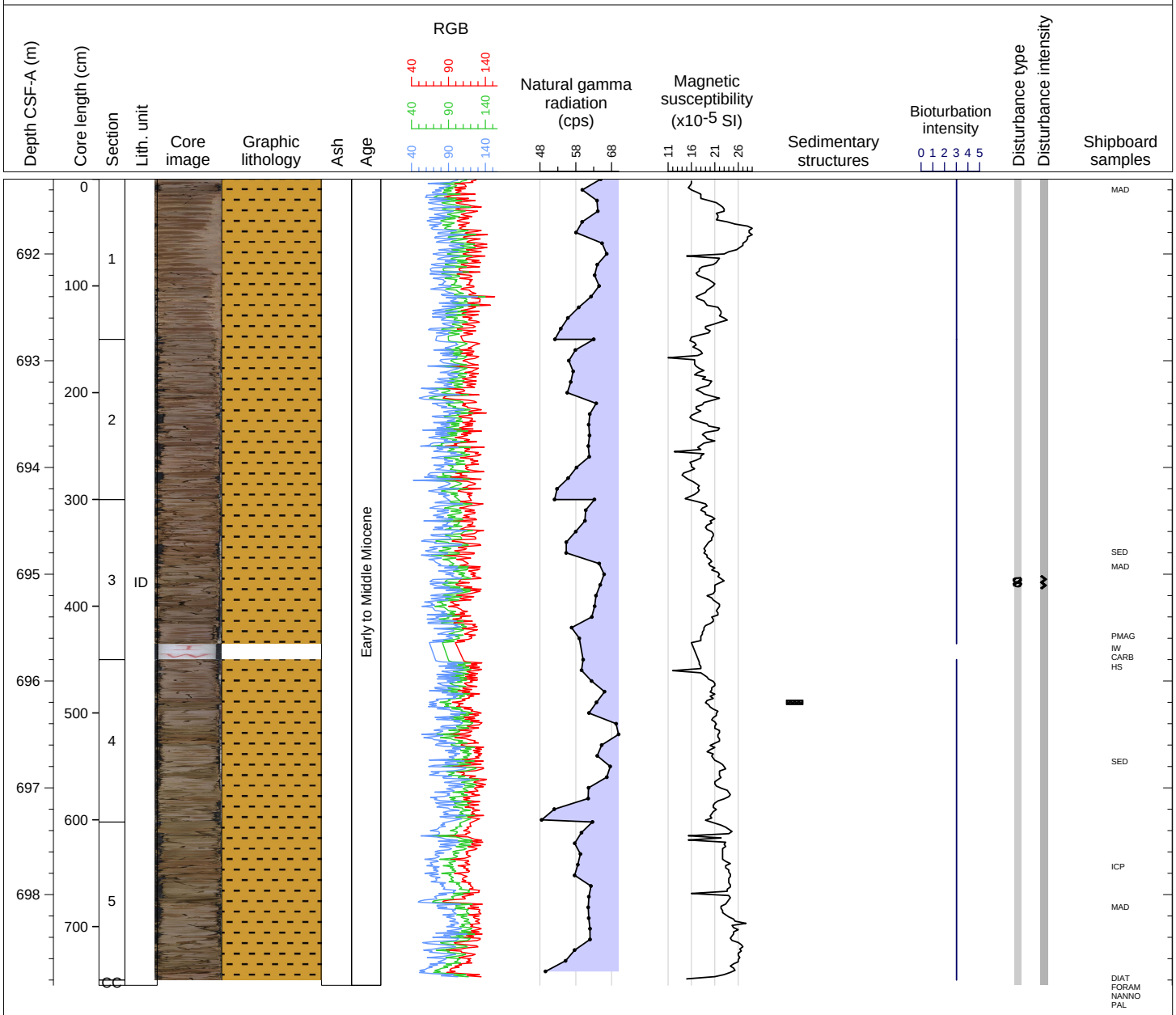
Hole 368-U1502A Core 34R, Interval 681.7-688.92 m (CSF-A)

Brown SILTY CLAY with minor greenish gray SILTY CLAY. Bioturbation is heavy.



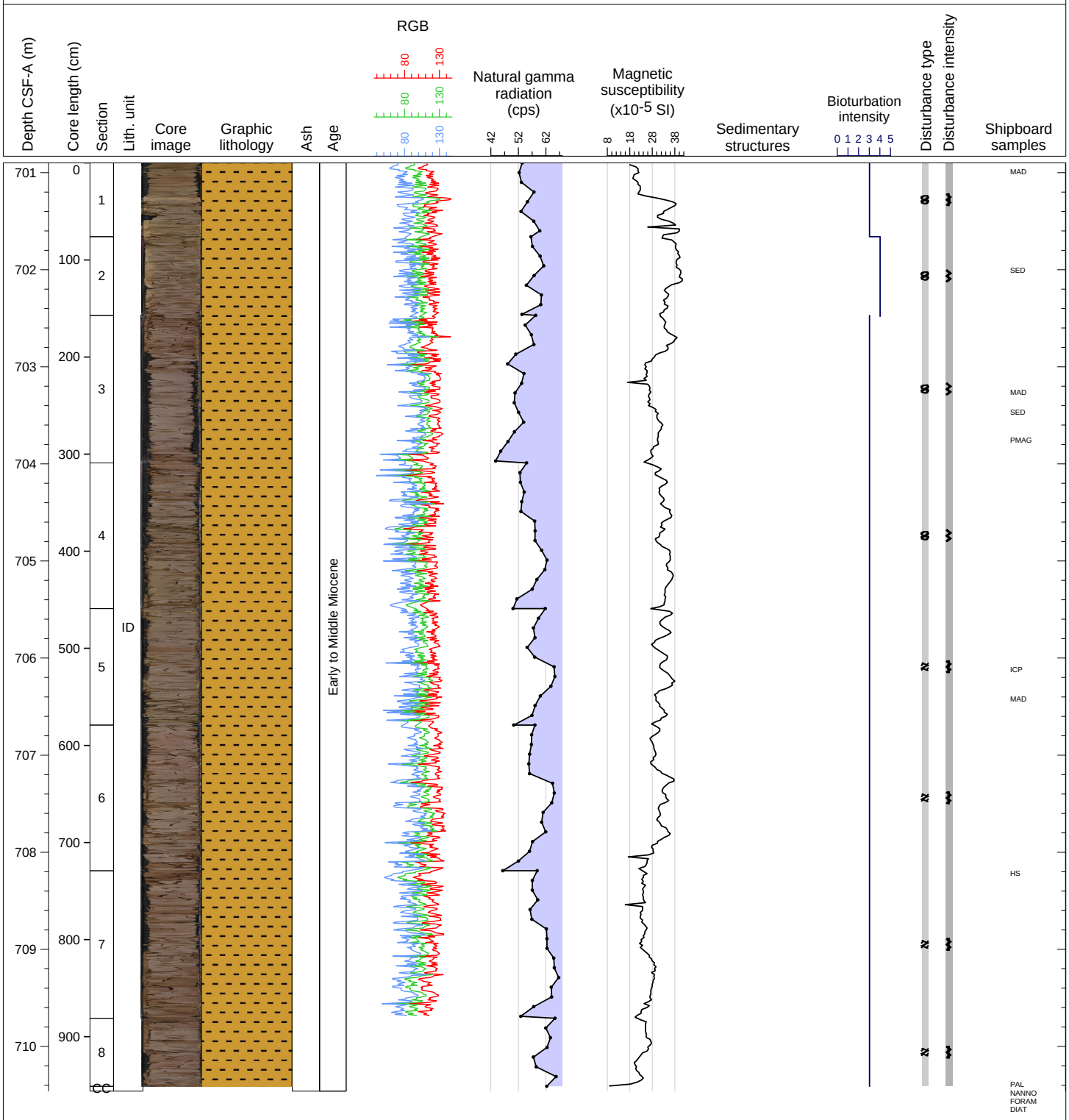
Hole 368-U1502A Core 35R, Interval 691.3-698.85 m (CSF-A)

Brown CLAY. Bioturbation is heavy.



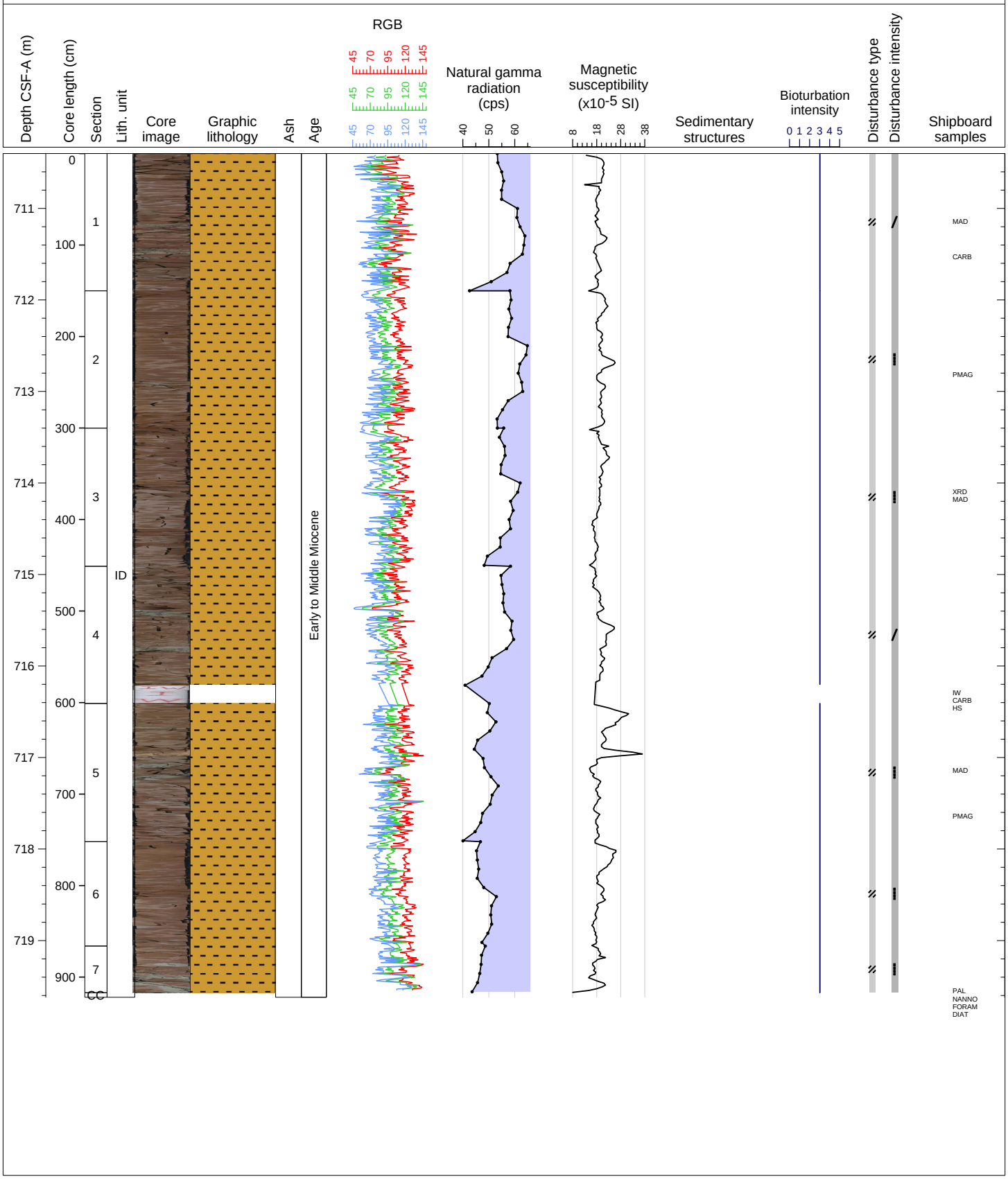
Hole 368-U1502A Core 36R, Interval 700.9-710.46 m (CSF-A)

Brown CLAY. Bioturbation is heavy.



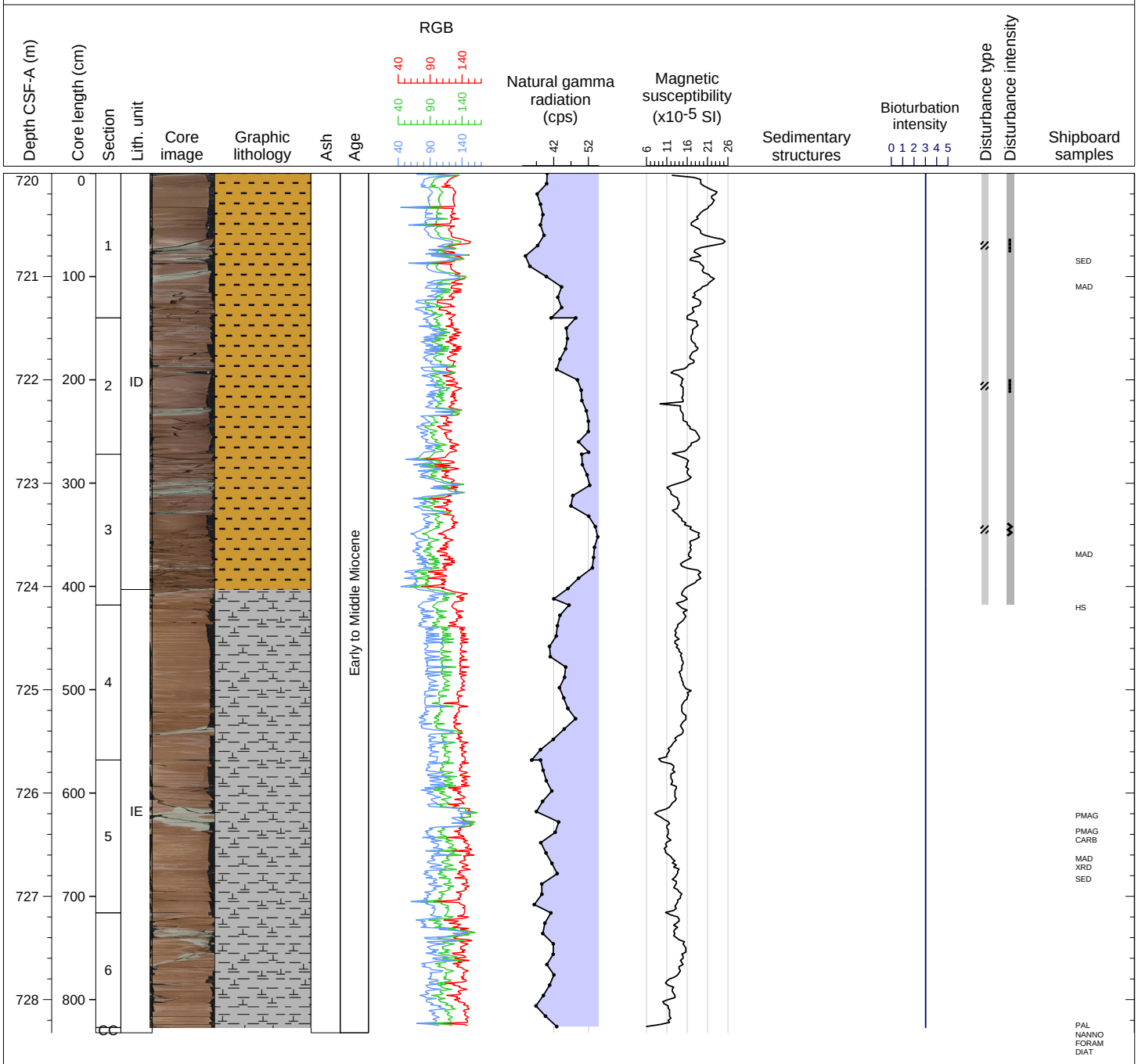
Hole 368-U1502A Core 37R, Interval 710.4-719.62 m (CSF-A)

Brown CLAY, with minor pale green CLAY (<10%). Heavy bioturbation.



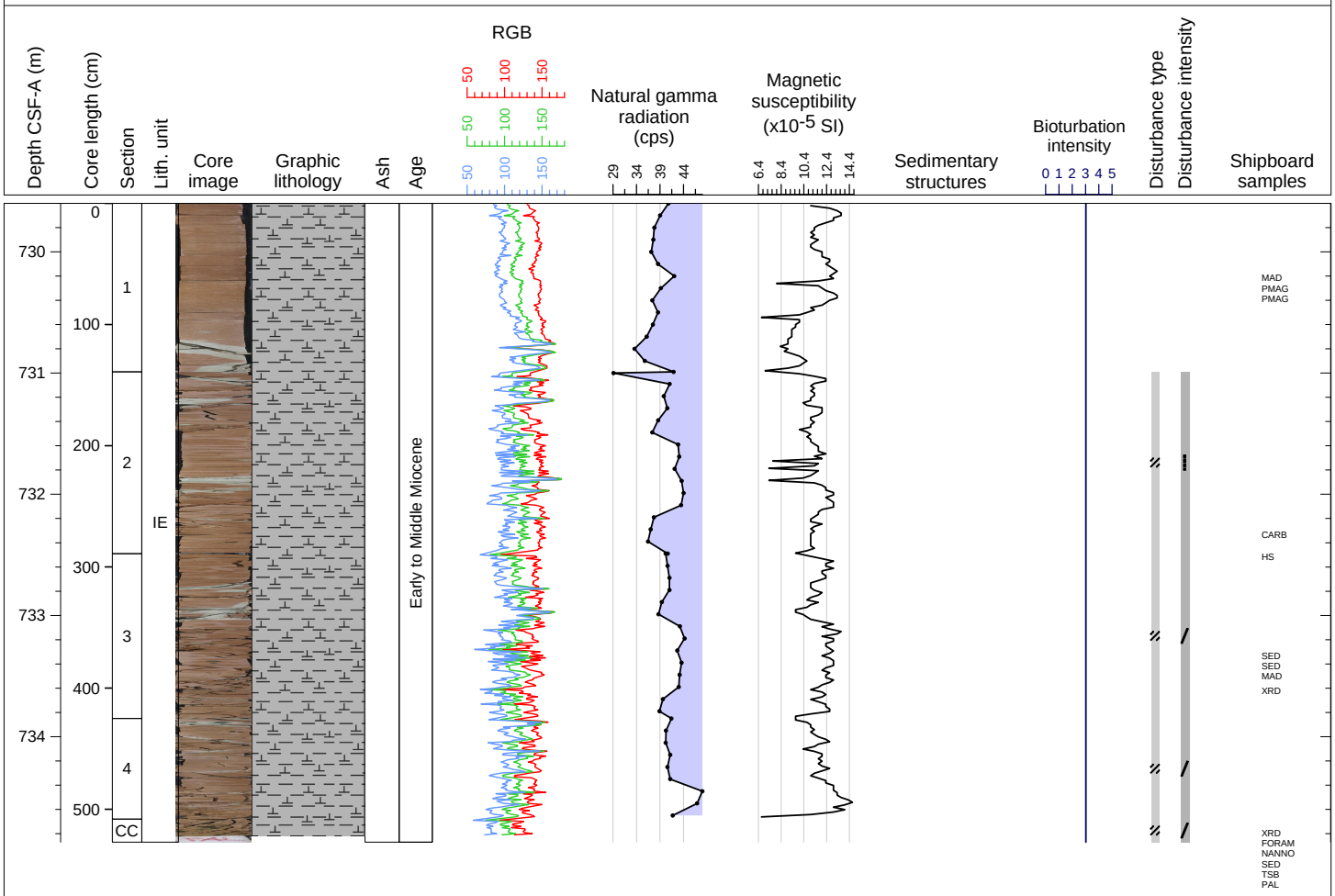
Hole 368-U1502A Core 38R, Interval 720.0-728.32 m (CSF-A)

Brown CLAY WITH NANNOFOSSILS and NANNOFOSSIL-RICH CLAY WITH FORAMINIFERS, with minor pale green CLAY (<10%). Heavy bioturbation.



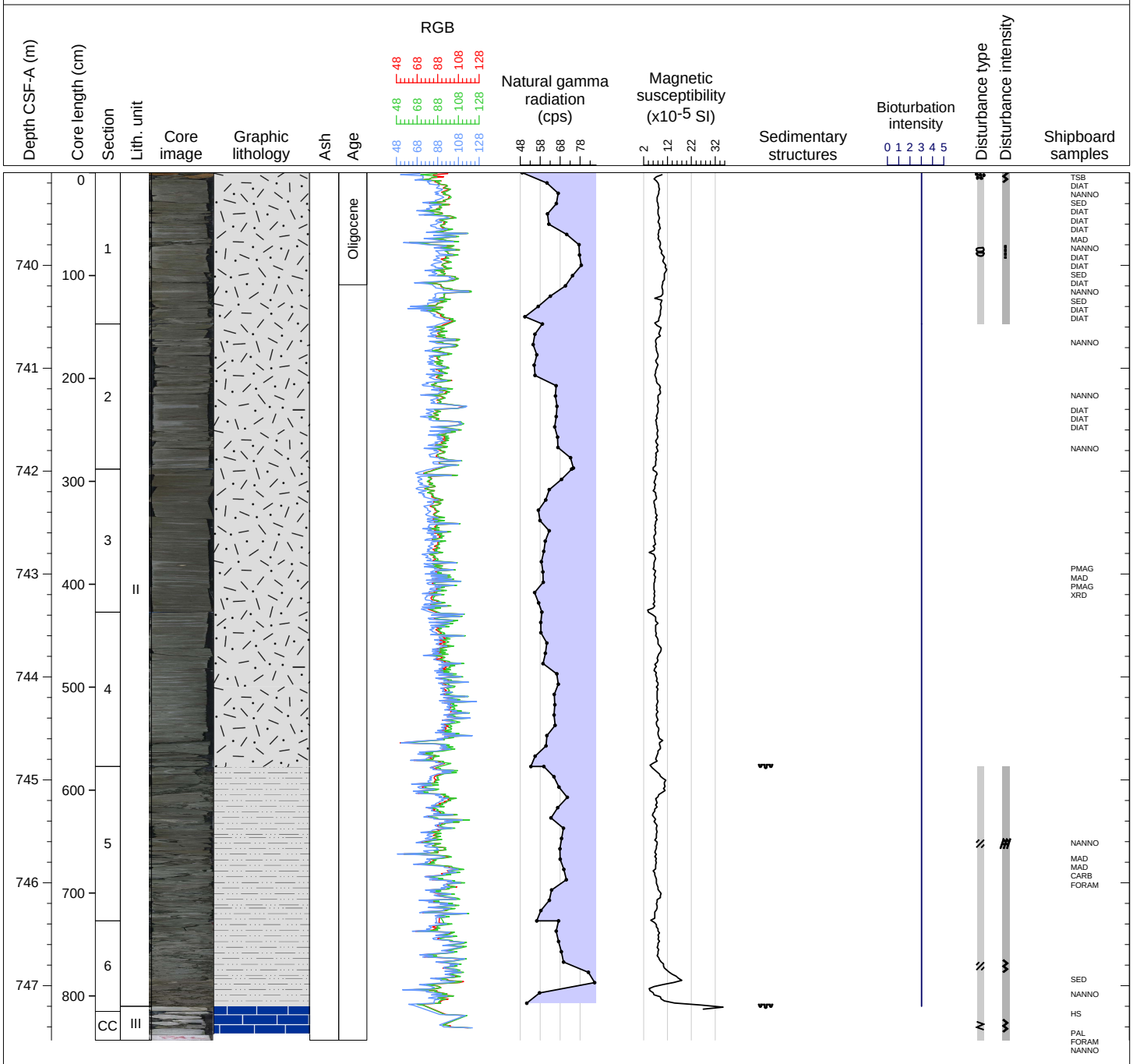
Hole 368-U1502A Core 39R, Interval 729.6-734.87 m (CSF-A)

Brown NANNOFOSSIL-RICH CLAY, with minor pale green CLAY (<10%) and dispersed mm-sized dark green lumps and nodules. Heavy bioturbation.



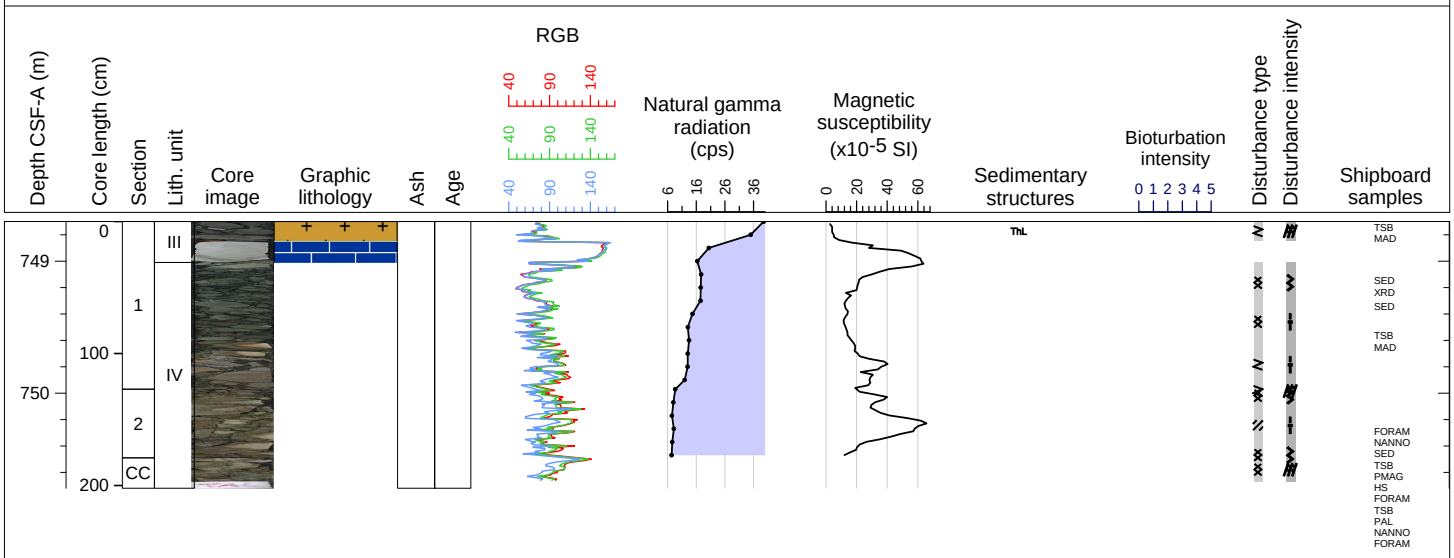
Hole 368-U1502A Core 40R, Interval 739.1-747.53 m (CSF-A)

Dark greenish gray BIOSILICEOUS-RICH SILTY CLAY, transitioning downwards to dark greenish gray SILTY CLAY barren of fossils in the lower portion, and to gray LIMESTONE at the base. Heavy bioturbation.



Hole 368-U1502A Core 41R, Interval 748.7-750.72 m (CSF-A)

Light greenish gray META-CLAYSTONE, fine-crystalline annealed gray DOLOMITE MARBLE. Downcore is META-DOLERITE that is very fine-grained adjacent to the DOLOMITE MARBLE. The META-DOLERITE is overprinted by green alteration minerals.



Hole 368-U1502A-41R Section 1, Top of Section: 748.7 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Groundmass grain size (mm) | Alteration intensity | Magnetic susceptibility ($\times 10^{-5}$ SI) | RGB | Description

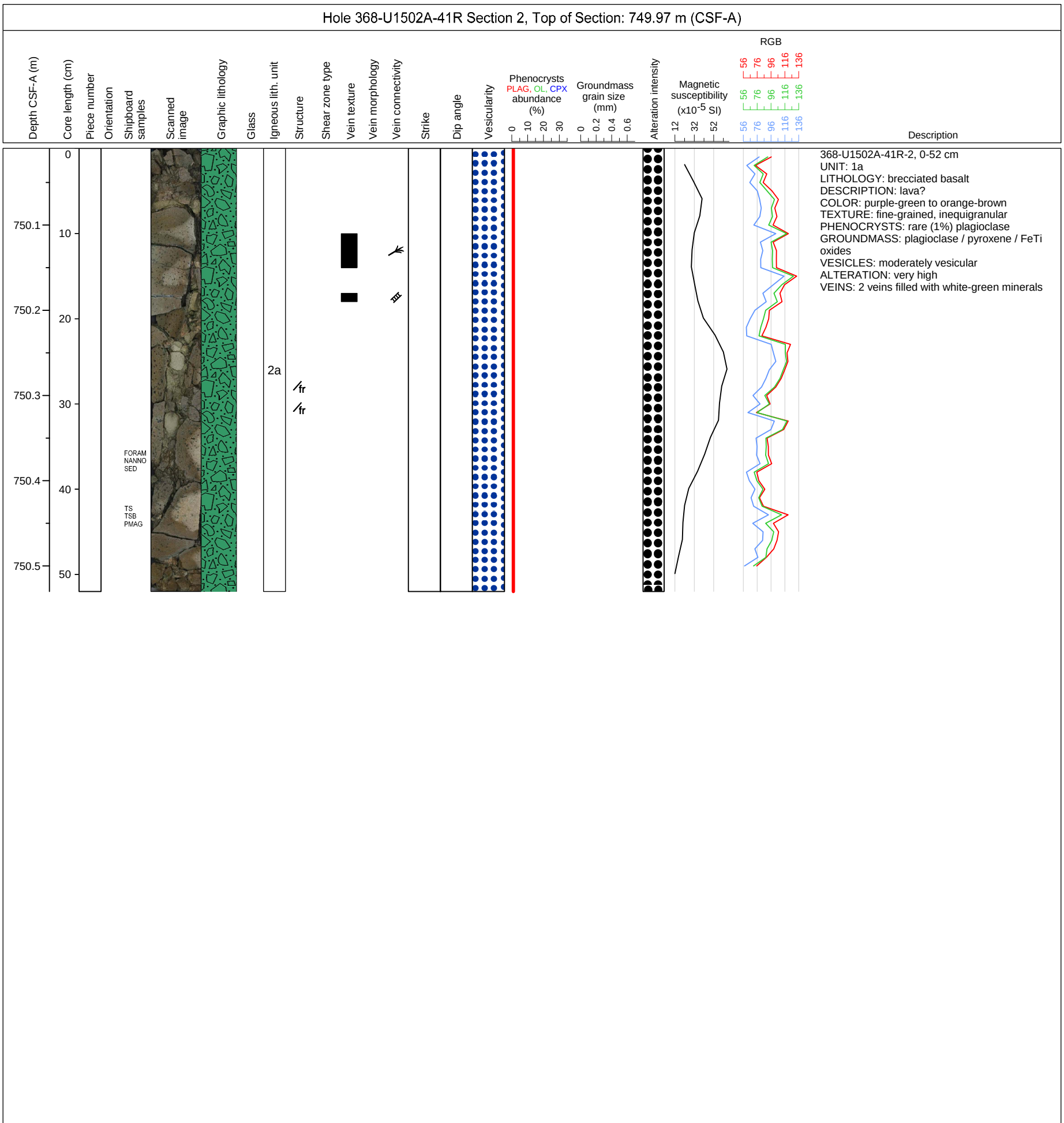
748.7 (0) TS TSB
748.8 (10) MAD
748.9 (20)
749.0 (30)
749.1 (40) SED
749.2 (50)
749.3 (60) XRD
749.4 (70) SED
749.5 (80)
749.6 (90) TS TSB
749.7 (100) MAD
749.8 (110)
749.9 (120)

2a

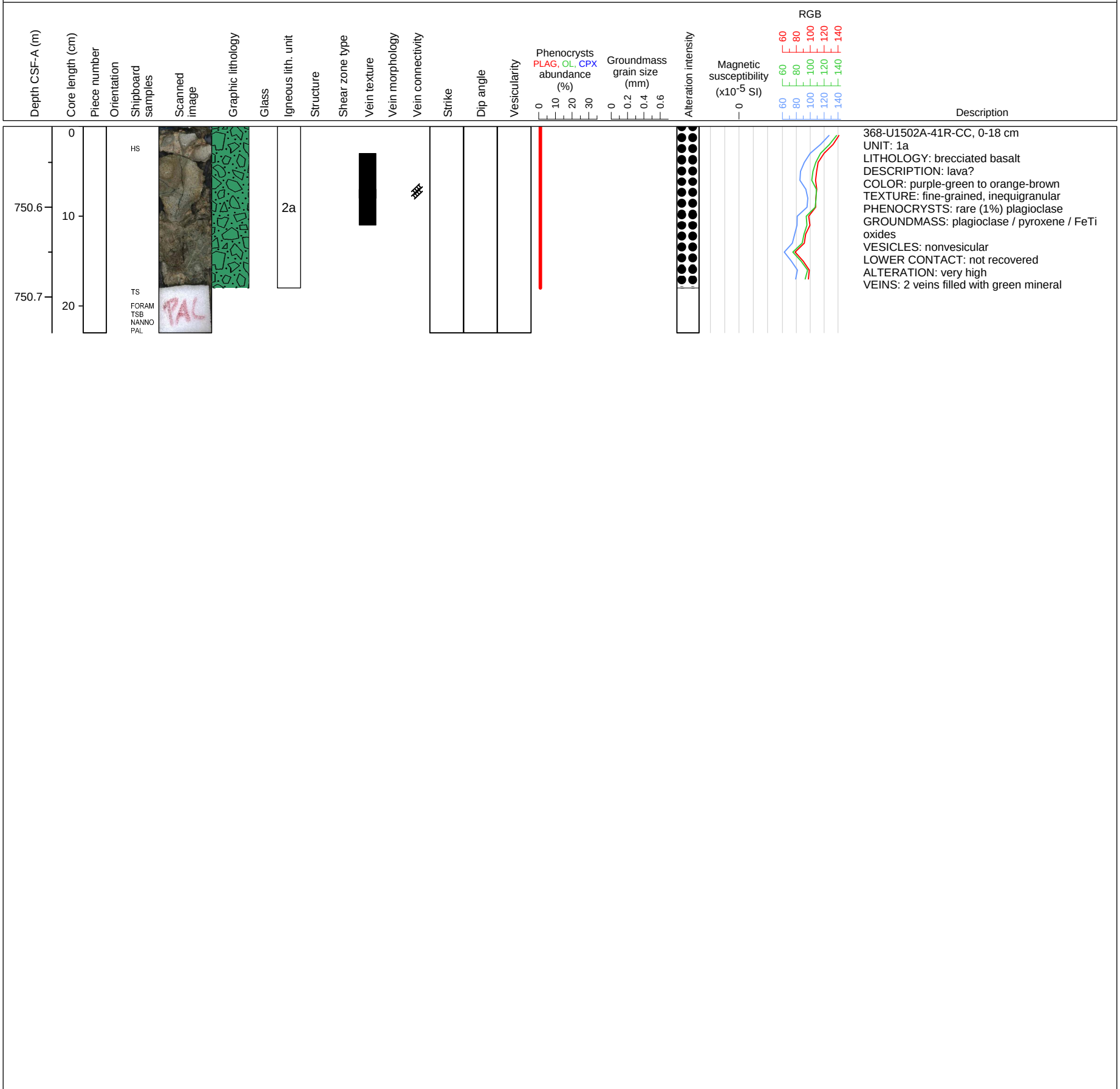
368-U1502A-41R-1, 31-90 cm
UNIT: 1a
LITHOLOGY: brecciated basalt
DESCRIPTION: lava?
COLOR: very dark green
TEXTURE: fine-grained, inequigranular
PHENOCRYSTS: rare (1%) plagioclase
GROUNDMASS: plagioclase / pyroxene / FeTi oxides
VESICLES: nonvesicular
UPPER CONTACT: top chilled margin
ALTERATION: very high
VEINS: 1 vein filled with green mineral

368-U1502A-41R-1, 90-127 cm
UNIT: 1a
LITHOLOGY: brecciated basalt
DESCRIPTION: lava?
COLOR: pale green
TEXTURE: fine-grained, inequigranular
PHENOCRYSTS: rare (1%) plagioclase
GROUNDMASS: plagioclase / pyroxene / FeTi oxides
VESICLES: nonvesicular
ALTERATION: very high
VEINS: 1 branched vein filled with pale green mineral

Hole 368-U1502A-41R Section 2, Top of Section: 749.97 m (CSF-A)

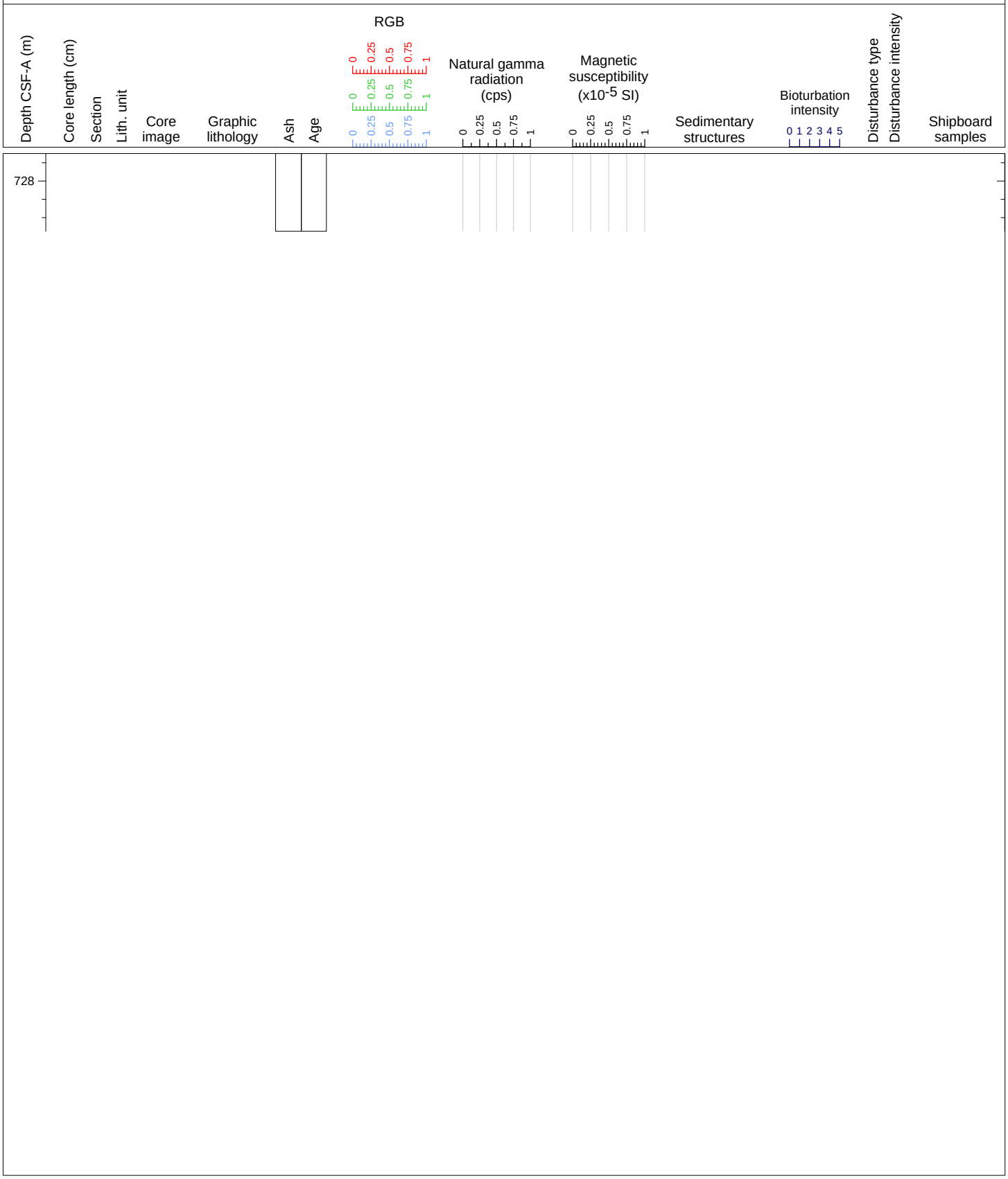


Hole 368-U1502A-41R Section CC, Top of Section: 750.49 m (CSF-A)



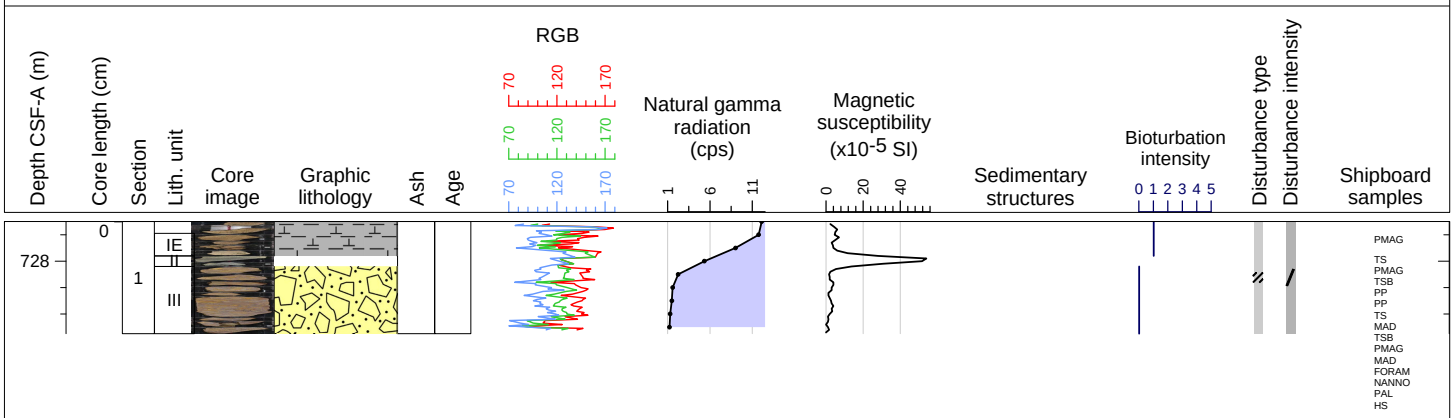
Hole 368-U1502B Core 11, Interval 0.0-0.0 m (CSF-A)

DRILLED INTERVAL

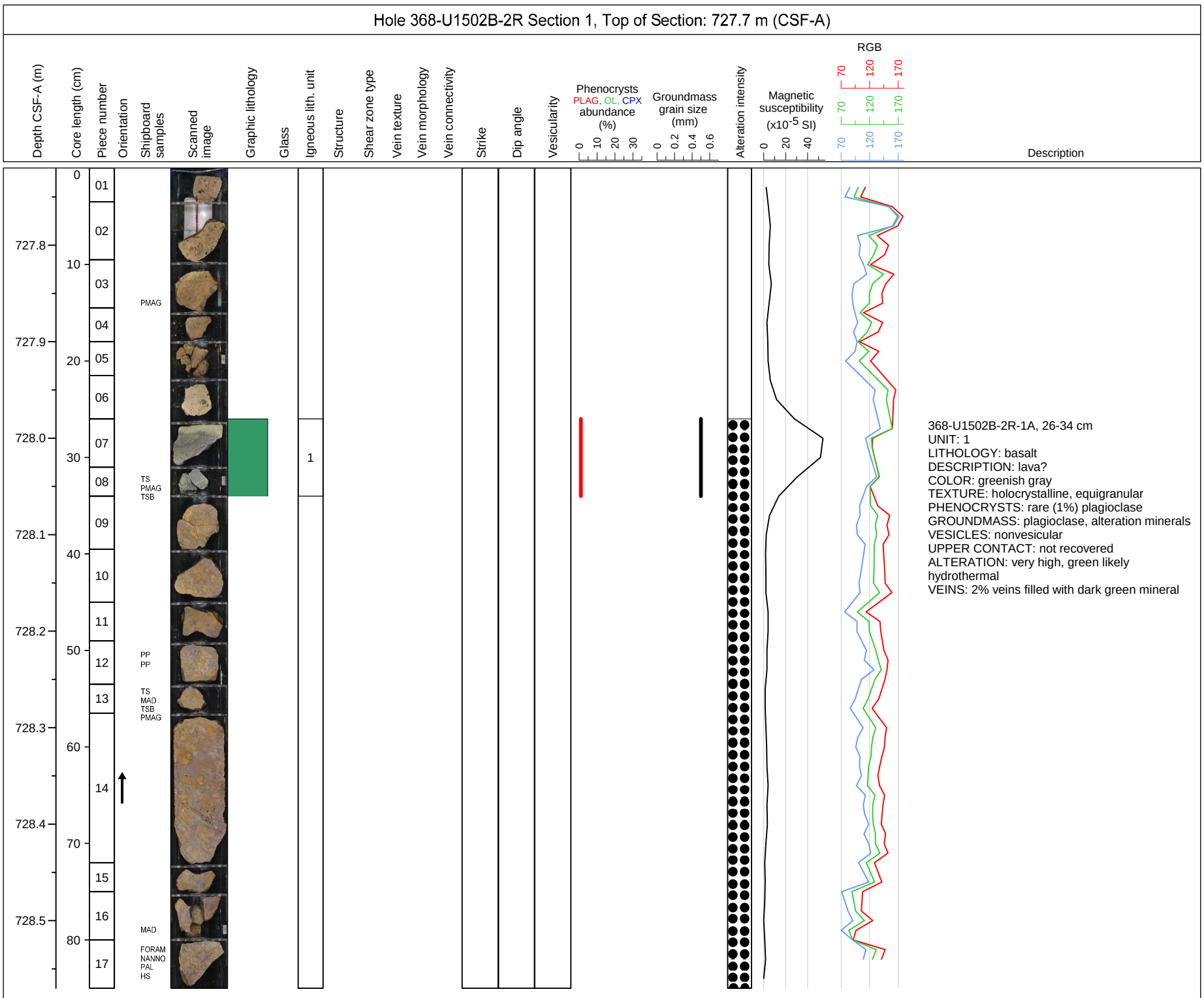


Hole 368-U1502B Core 2R, Interval 727.7-728.55 m (CSF-A)

Very pale brown NANNOFOSSIL-RICH CLAYSTONE with gravel (green), overlying greenish gray BRECCIATED BASALT, and brownish yellow lithified BRECCIA.

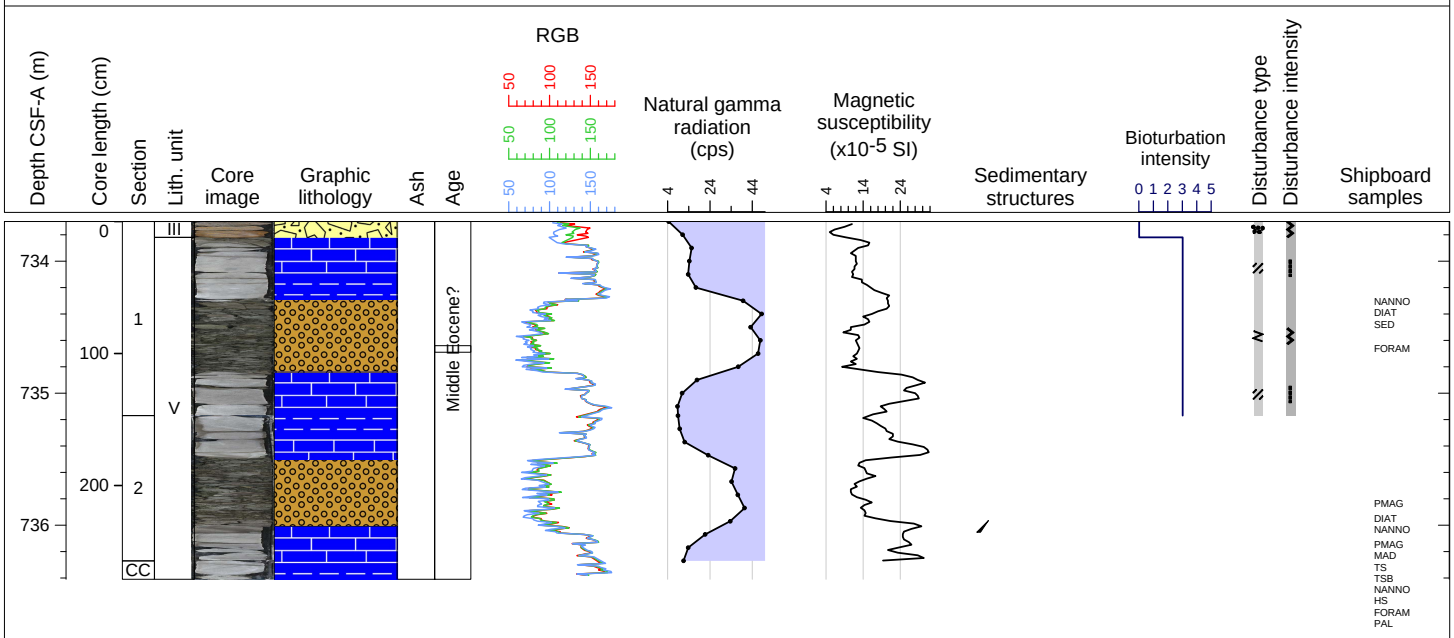


Hole 368-U1502B-2R Section 1, Top of Section: 727.7 m (CSF-A)



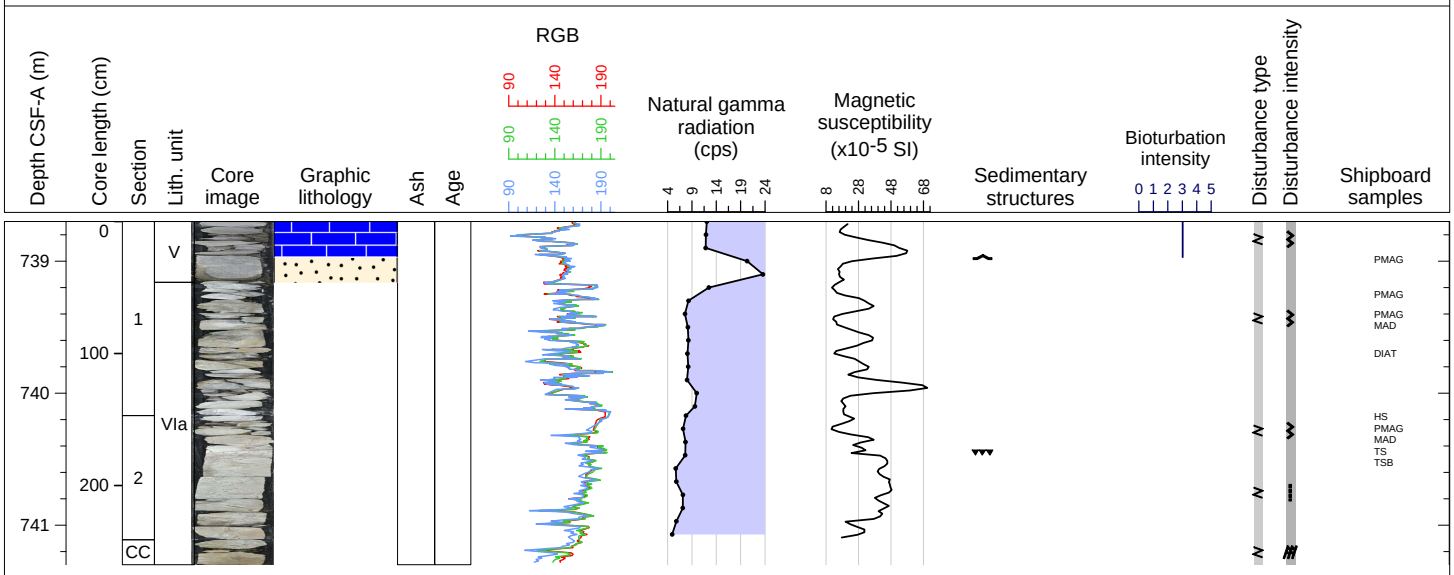
Hole 368-U1502B Core 3R, Interval 733.7-736.41 m (CSF-A)

Brownish yellow lithified BRECCIA, overlying dolomite LIMESTONE that preserves primary sedimentary features (bioturbation), intercalated with very dark greenish gray CLAST-RICH CLAY with sedimentary and igneous (basalt) clasts.



Hole 368-U1502B Core 4R, Interval 738.7-741.3 m (CSF-A)

Gray LIMESTONE and gray SANDSTONE overlying light gray BASALTIC BRECCIA and light gray BRECCIATED BASALT consisting of strongly fractured and (hydrothermally) altered basalt with green to white to yellow-orange alteration minerals, veins and sulfides.



Hole 368-U1502B-4R Section 1, Top of Section: 738.7 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Groundmass grain size (mm) | Alteration intensity | Magnetic susceptibility ($\times10^{-5}$ SI) | RGB | Description

738.7 0
738.8 10
738.9 20
739.0 30
739.1 40
739.2 50
739.3 60
739.4 70
739.5 80
739.6 90
739.7 100
739.8 110
739.9 120
740.0 130
740.1 140

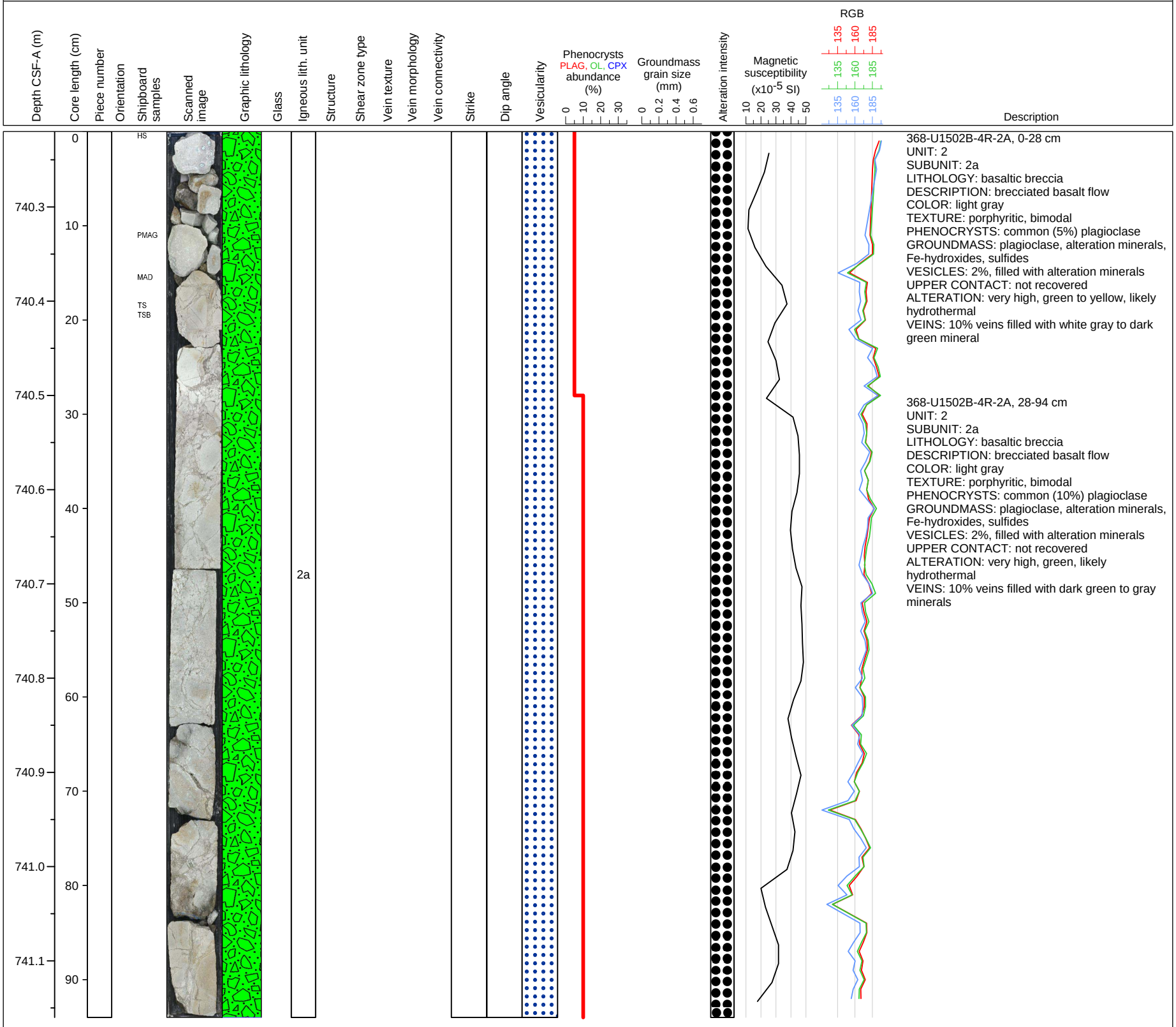
PMAG
PMAG
PMAG MAD
DIAT

2a

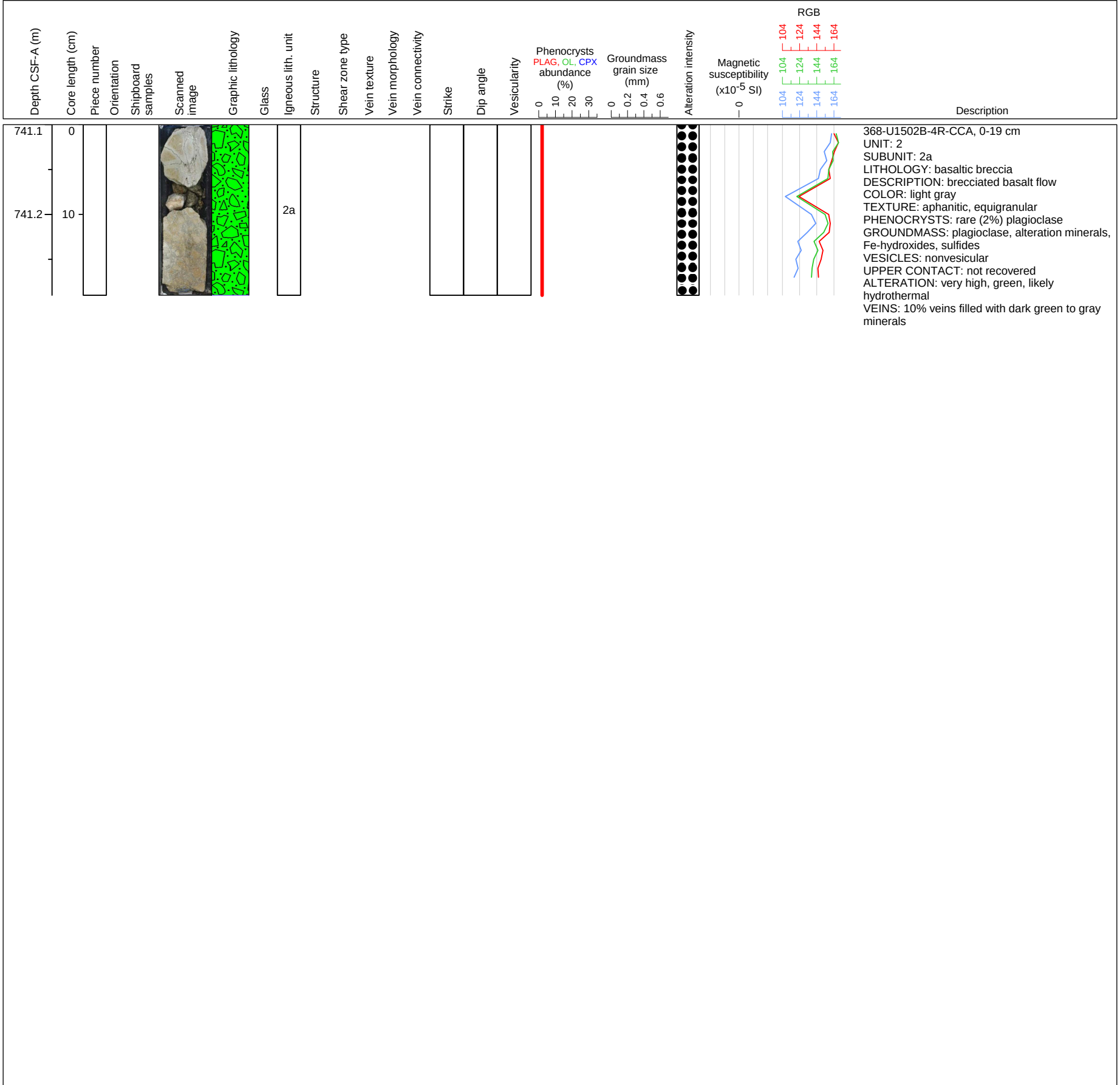
368-U1502B-4R-1A, 46-60 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: brecciated basalt flow
COLOR: greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: common (15%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green, likely hydrothermal
VEINS: <1% veins filled with dark green mineral

368-U1502B-4R-1A, 60-147 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: basaltic breccia
DESCRIPTION: brecciated basalt flow
COLOR: light gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: common (5%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green, likely hydrothermal
VEINS: <1% veins filled with dark green mineral

Hole 368-U1502B-4R Section 2, Top of Section: 740.17 m (CSF-A)



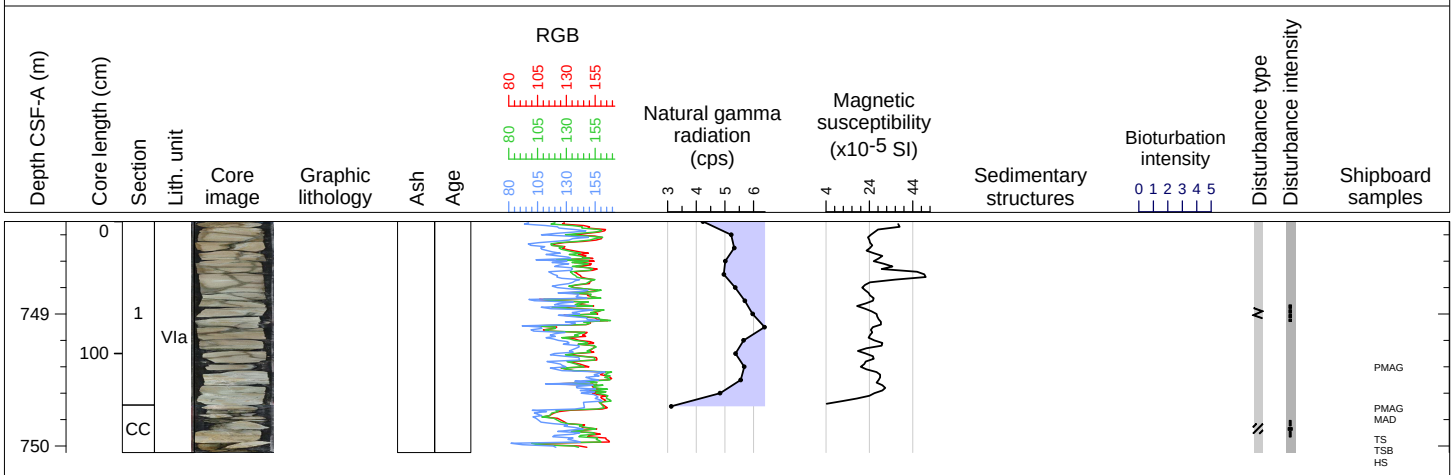
Hole 368-U1502B-4R Section CC, Top of Section: 741.11 m (CSF-A)



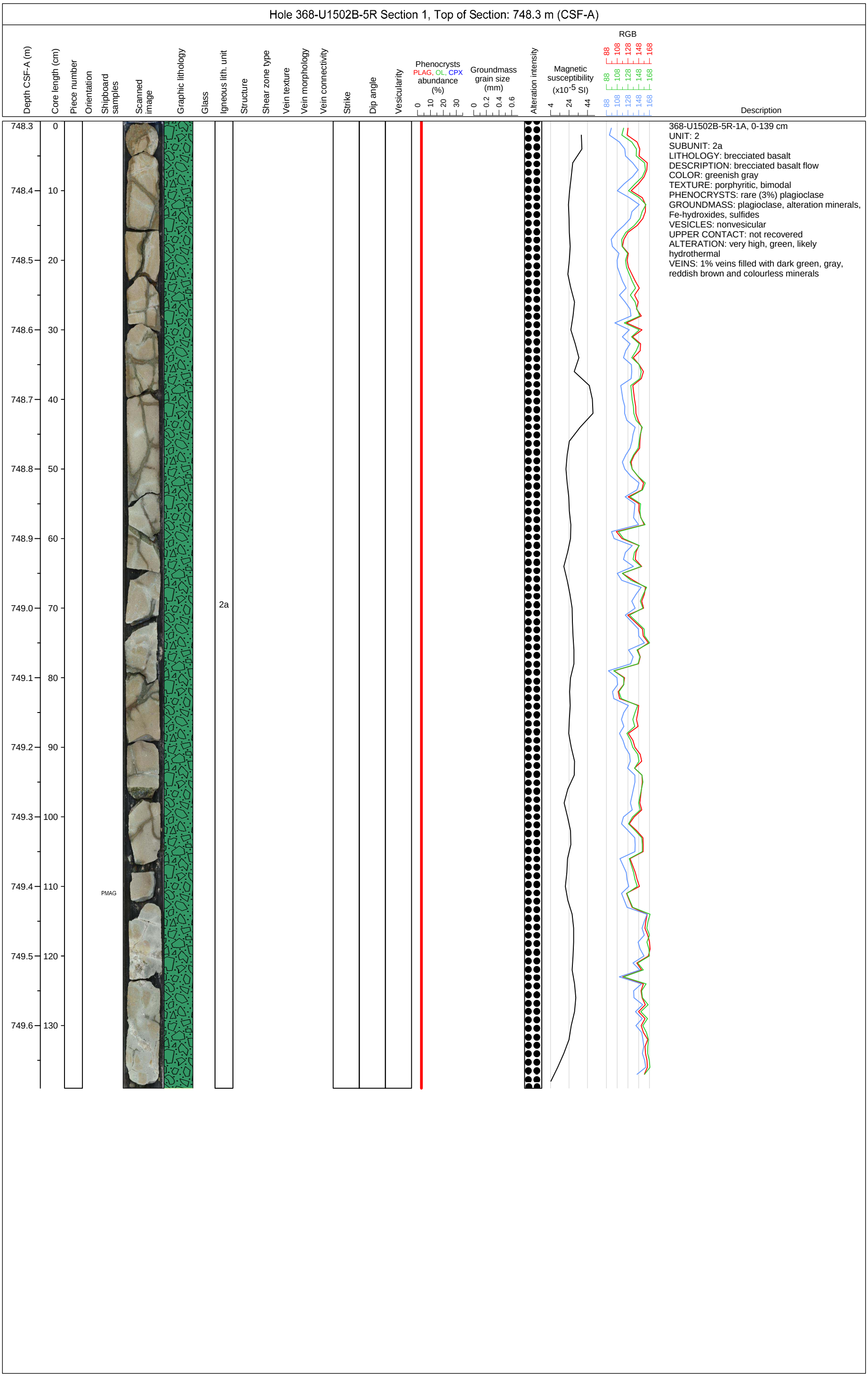
368-U1502B-4R-CCA, 0-19 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: basaltic breccia
DESCRIPTION: brecciated basalt flow
COLOR: light gray
TEXTURE: aphanitic, equigranular
PHENOCRYSTS: rare (2%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides, sulfides
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green, likely hydrothermal
VEINS: 10% veins filled with dark green to gray minerals

Hole 368-U1502B Core 5R, Interval 748.3-750.05 m (CSF-A)

Greenish gray BASALTIC BRECCIA transitioning into greenish gray BRECCIATED BASALT consisting of altered basalt clasts. Strongly overprinted by green (hydrothermal) alteration minerals, iron oxide and sulfides.

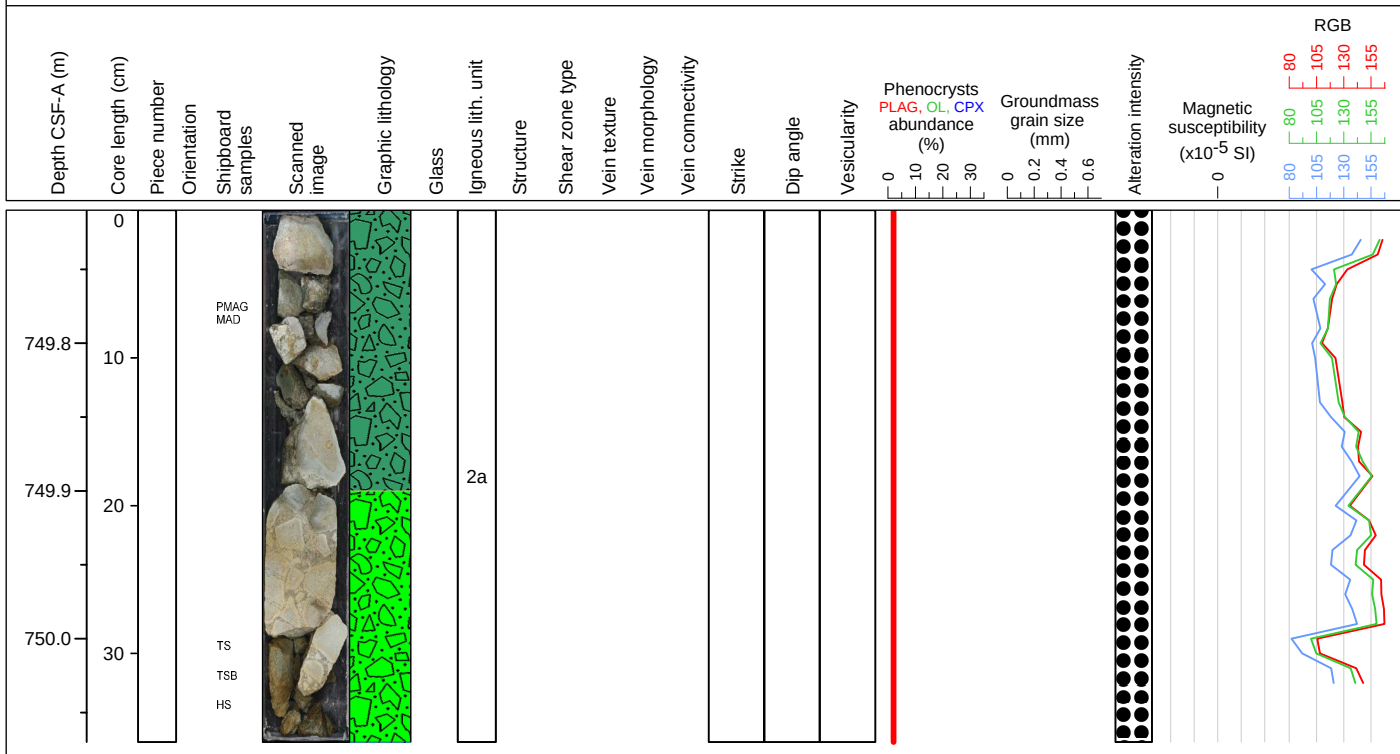


Hole 368-U1502B-5R Section 1, Top of Section: 748.3 m (CSF-A)



368-U1502B-5R-1A, 0-139 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: brecciated basalt flow
COLOR: greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides, sulfides
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green, likely hydrothermal
VEINS: 1% veins filled with dark green, gray, reddish brown and colourless minerals

Hole 368-U1502B-5R Section CC, Top of Section: 749.69 m (CSF-A)



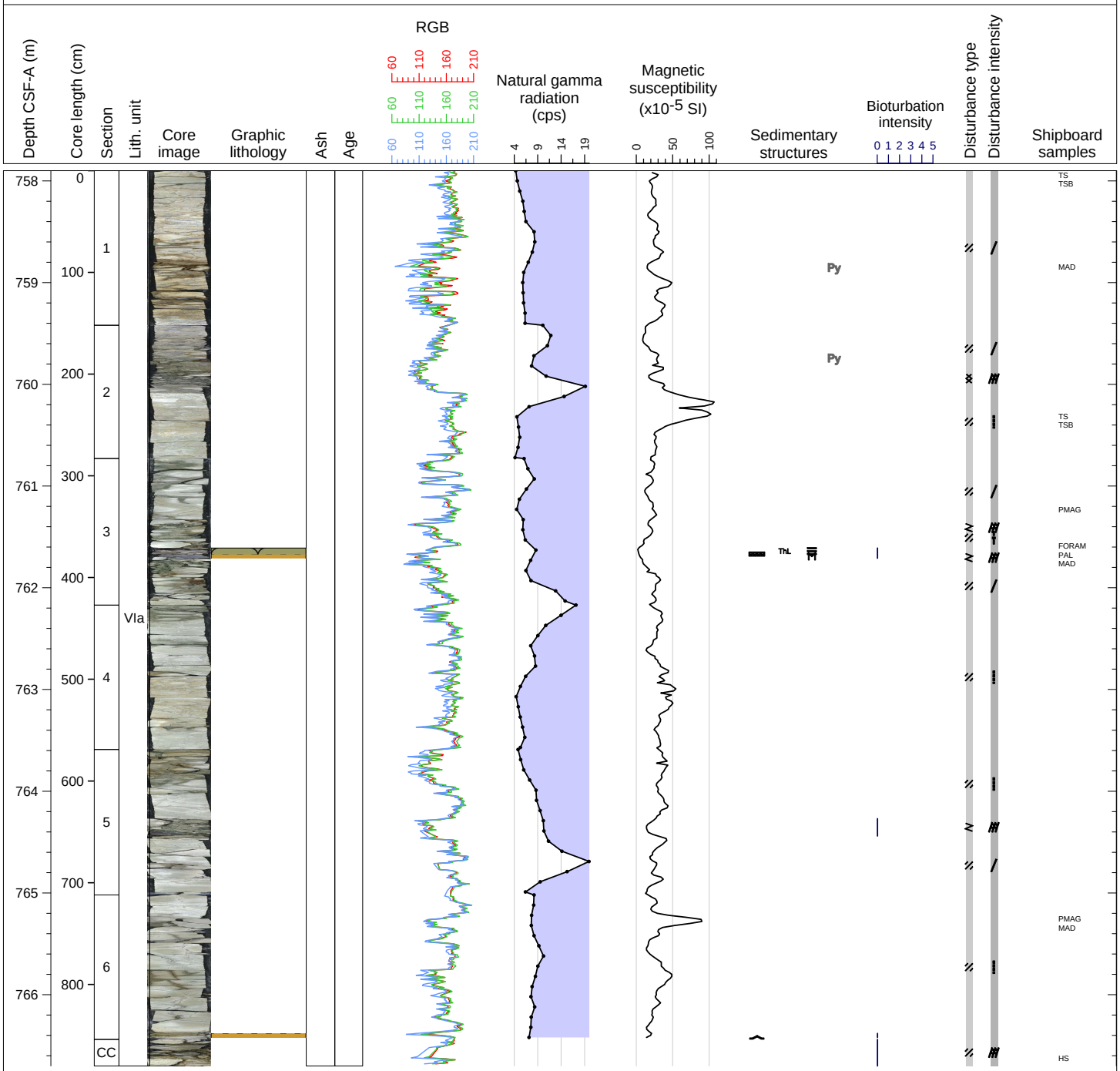
Description

368-U1502B-5R-CCA, 0-19 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: brecciated basalt flow
COLOR: greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (2%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides, sulfides
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green, likely hydrothermal
VEINS: 1% veins filled with dark green, gray, reddish brown and colourless minerals

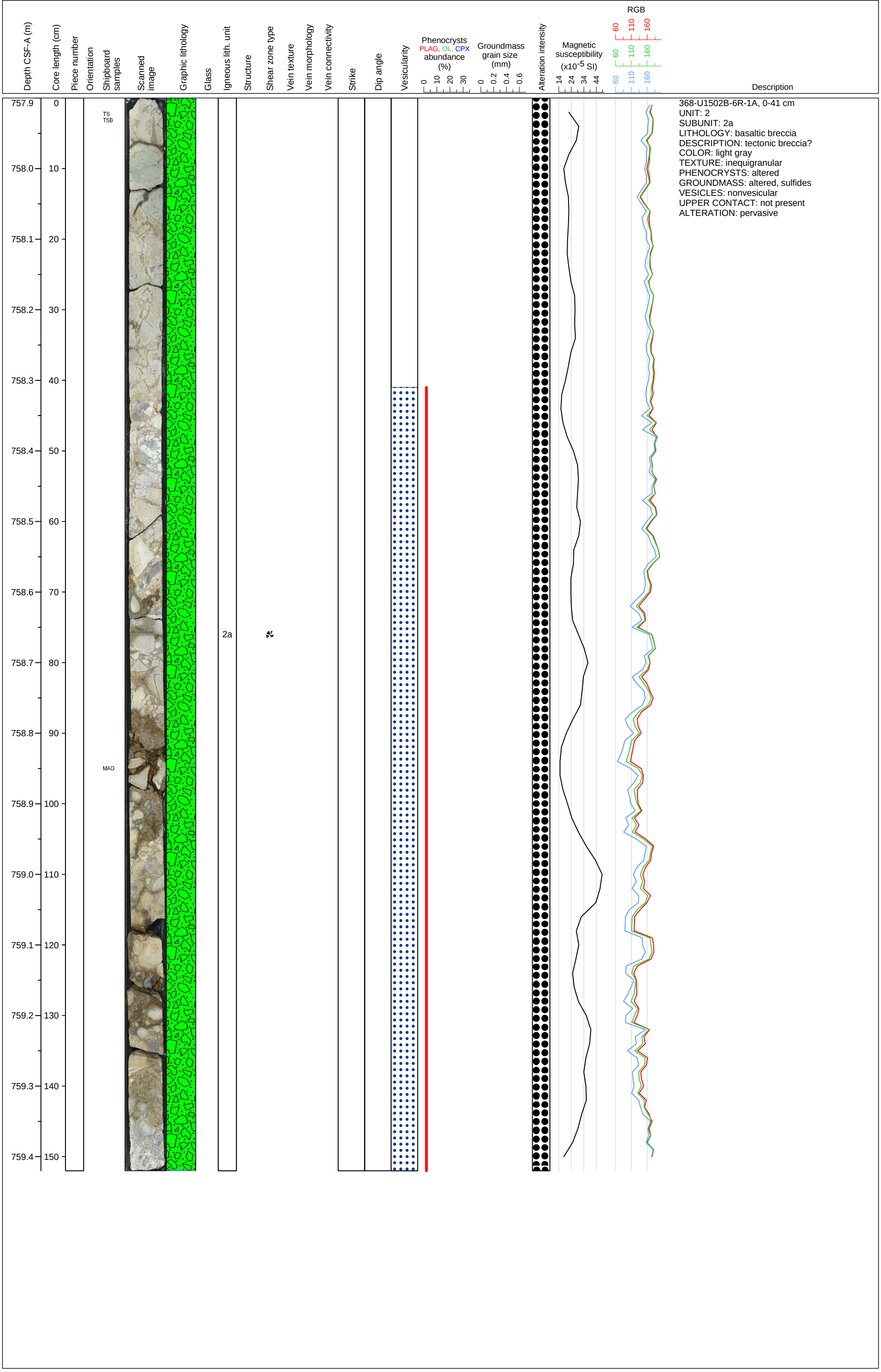
368-U1502B-5R-CCA, 19-36 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: basaltic breccia
DESCRIPTION: brecciated basalt flow
COLOR: greenish gray
TEXTURE: porphyritic, inequigranular
PHENOCRYSTS: rare (2%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides
VESICLES: nonvesicular
UPPER CONTACT: gradual
ALTERATION: very high, green-yellow-brown, likely hydrothermal
VEINS: 10% veins filled with dark green, gray, reddish brown and colourless minerals

Hole 368-U1502B Core 6R, Interval 757.9-766.7 m (CSF-A)

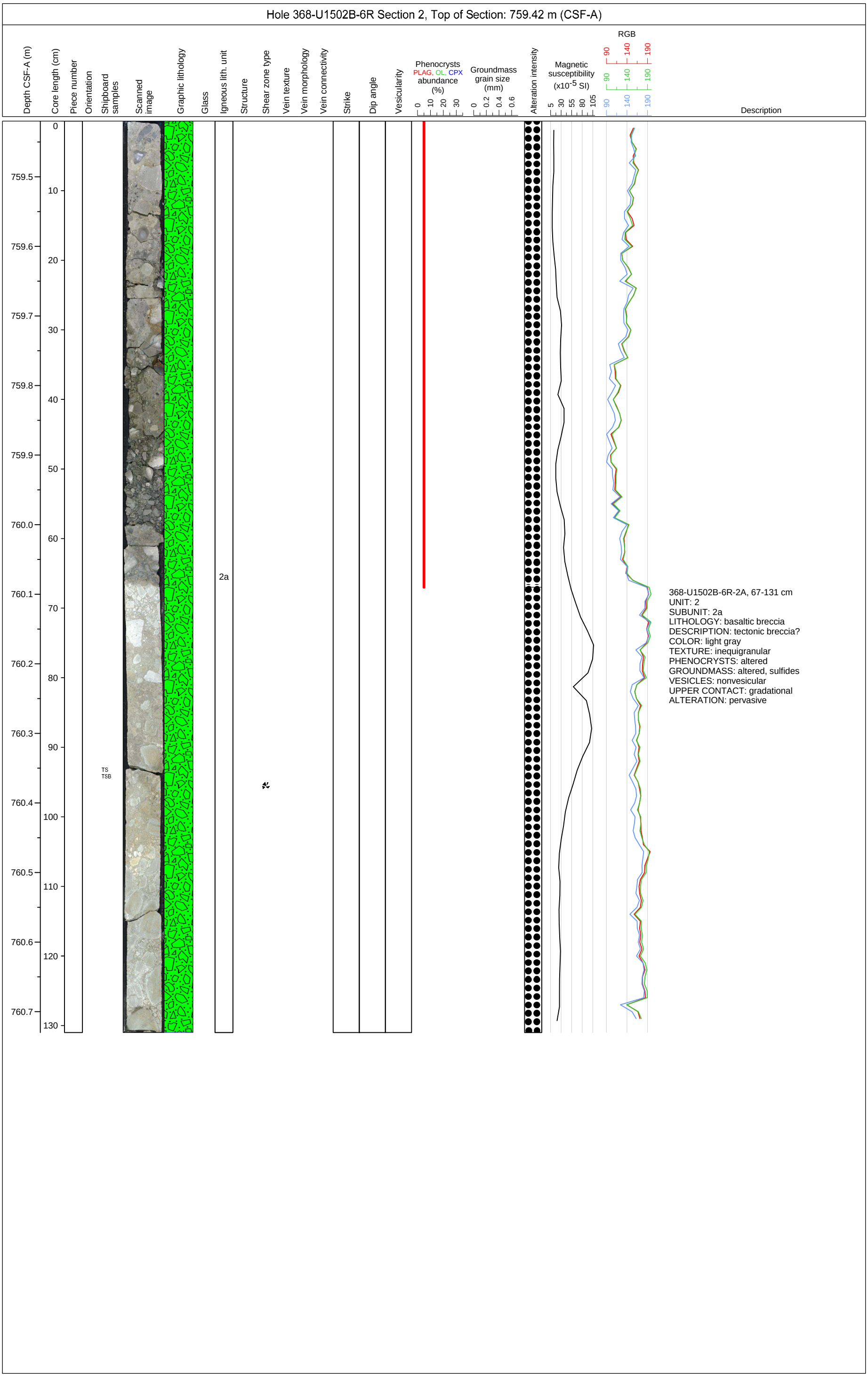
Alternating intervals of light gray, gray and very pale brown BASALT BRECCIA and light greenish gray BRECCIATED BASALT, with minor very dark gray CHERT and light greenish gray and bluish gray CLAYSTONE. Hydrothermal alteration and veins common, with secondary quartz, sulfides, and possibly chlorite and serpentine.



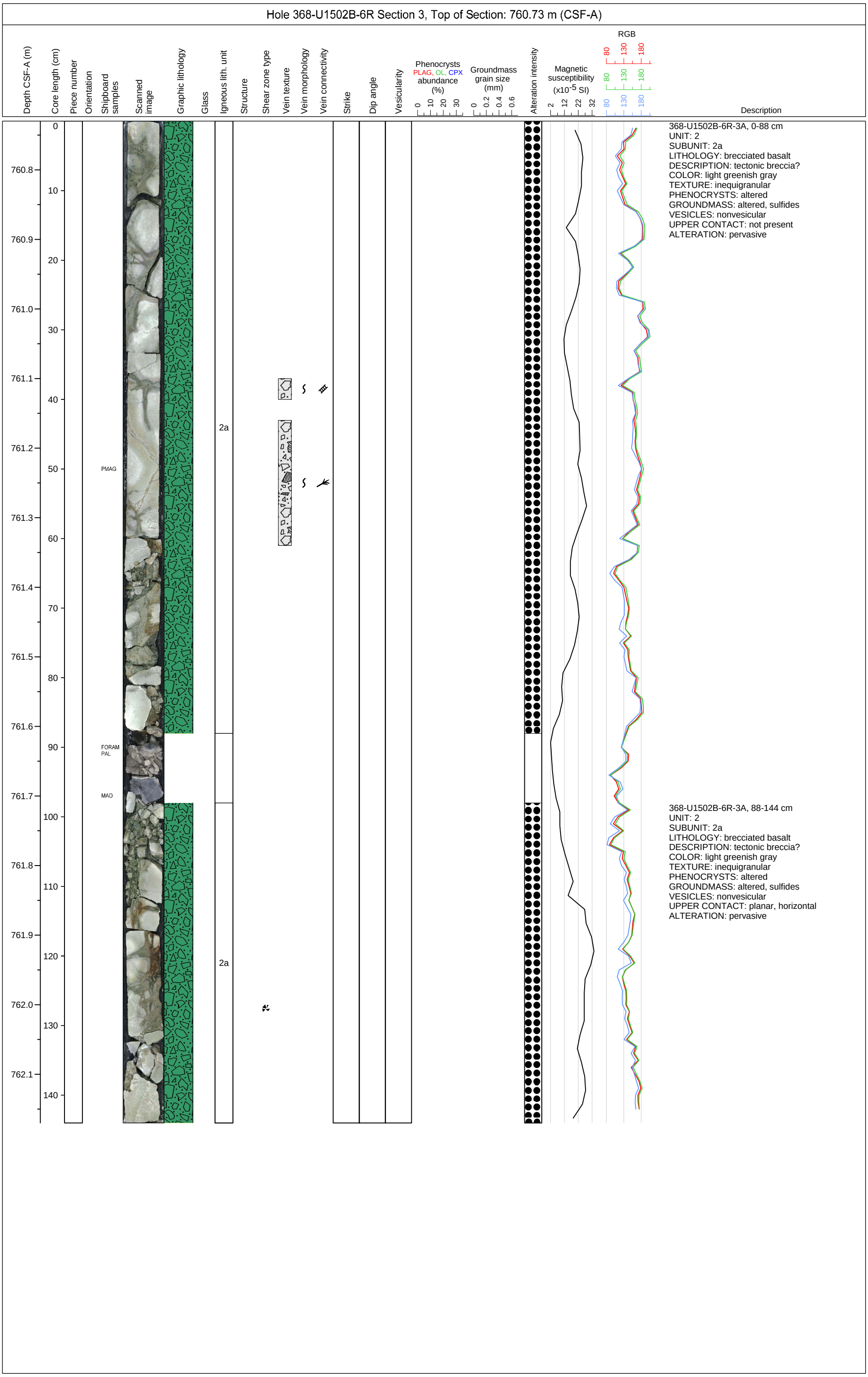
Hole 368-U1502B-6R Section 1, Top of Section: 757.9 m (CSF-A)



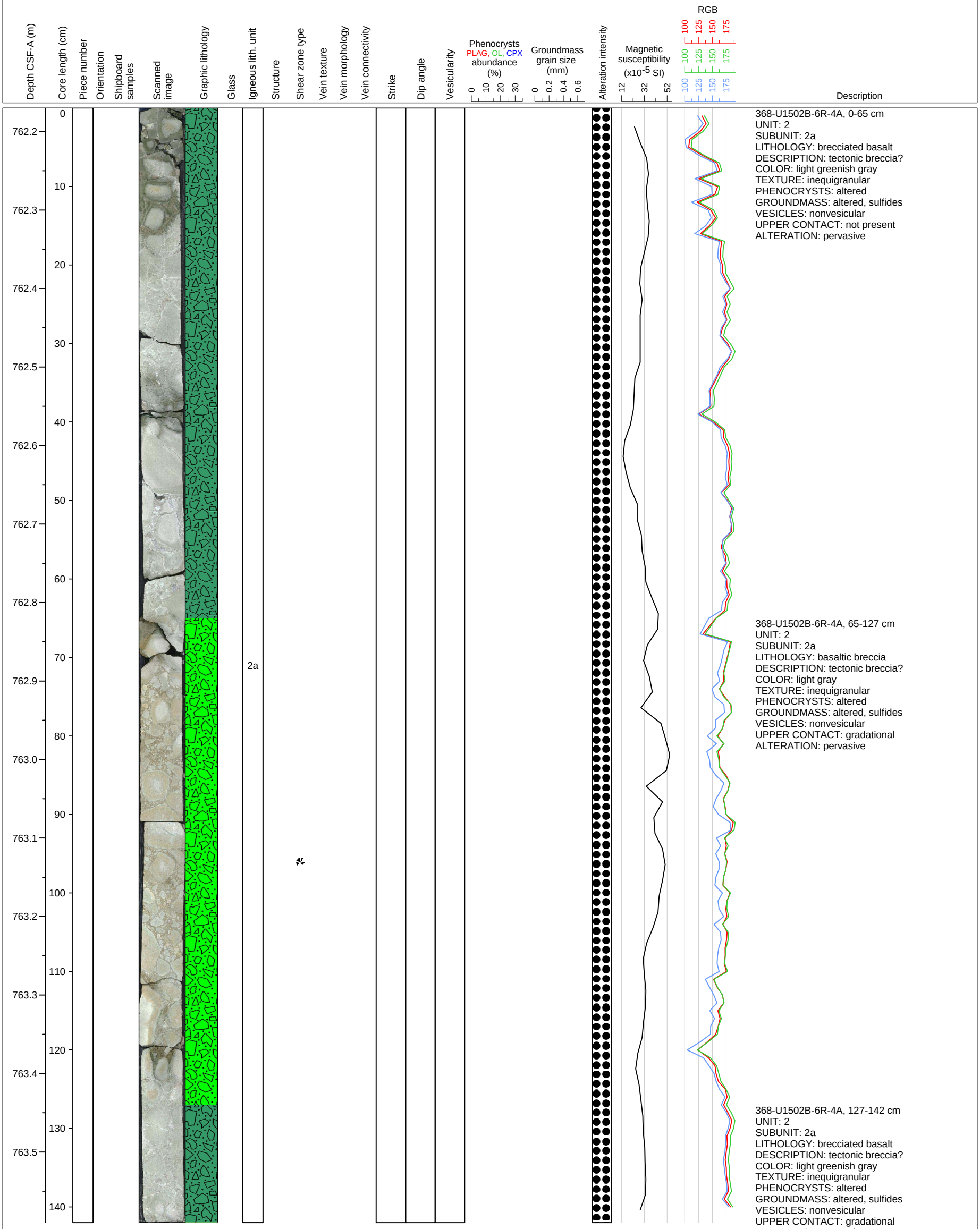
Hole 368-U1502B-6R Section 2, Top of Section: 759.42 m (CSF-A)



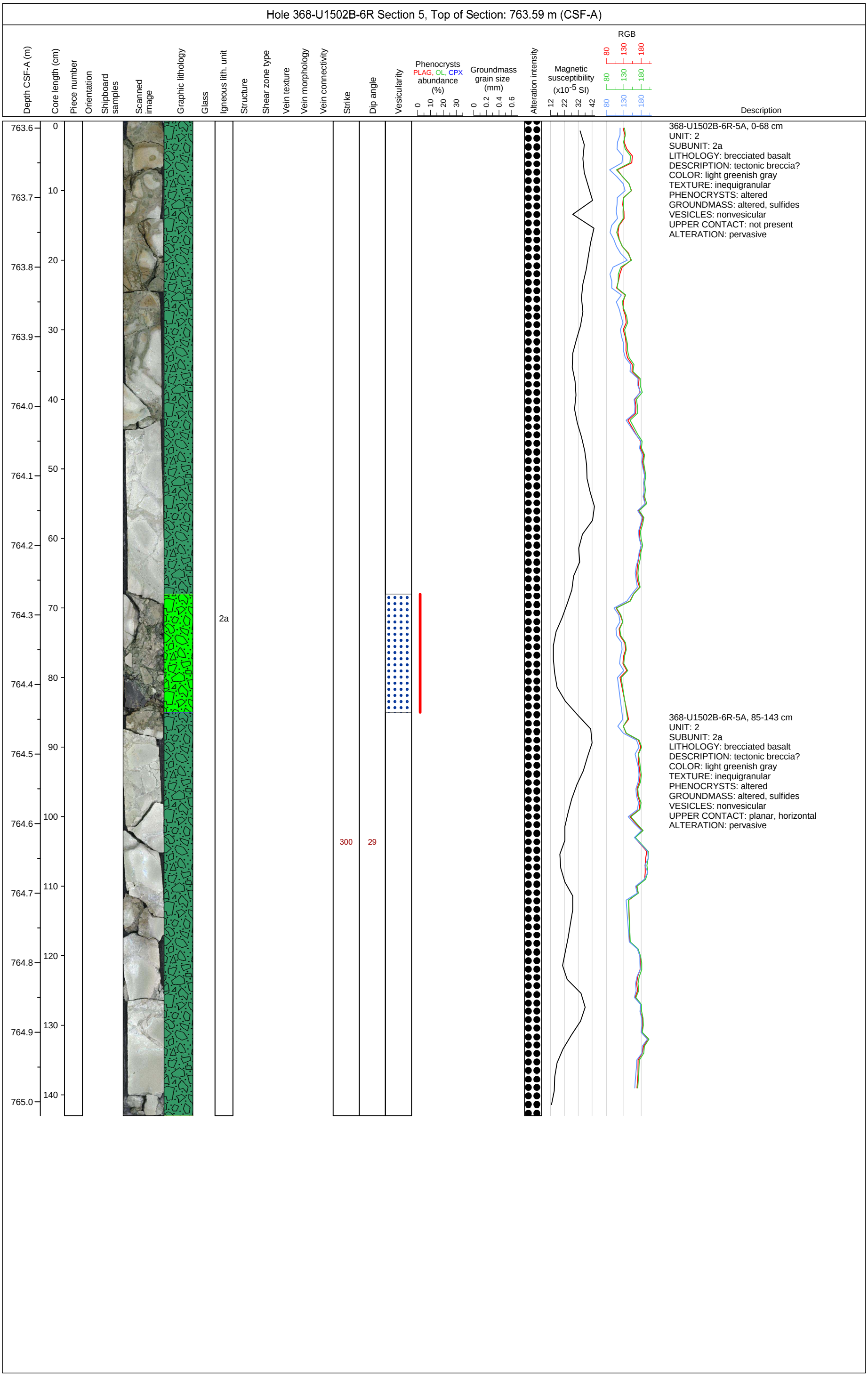
Hole 368-U1502B-6R Section 3, Top of Section: 760.73 m (CSF-A)



Hole 368-U1502B-6R Section 4, Top of Section: 762.17 m (CSF-A)



Hole 368-U1502B-6R Section 5, Top of Section: 763.59 m (CSF-A)



Hole 368-U1502B-6R Section 6, Top of Section: 765.02 m (CSF-A)

Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility ($x10^{-5}$ SI)
RGB
Description

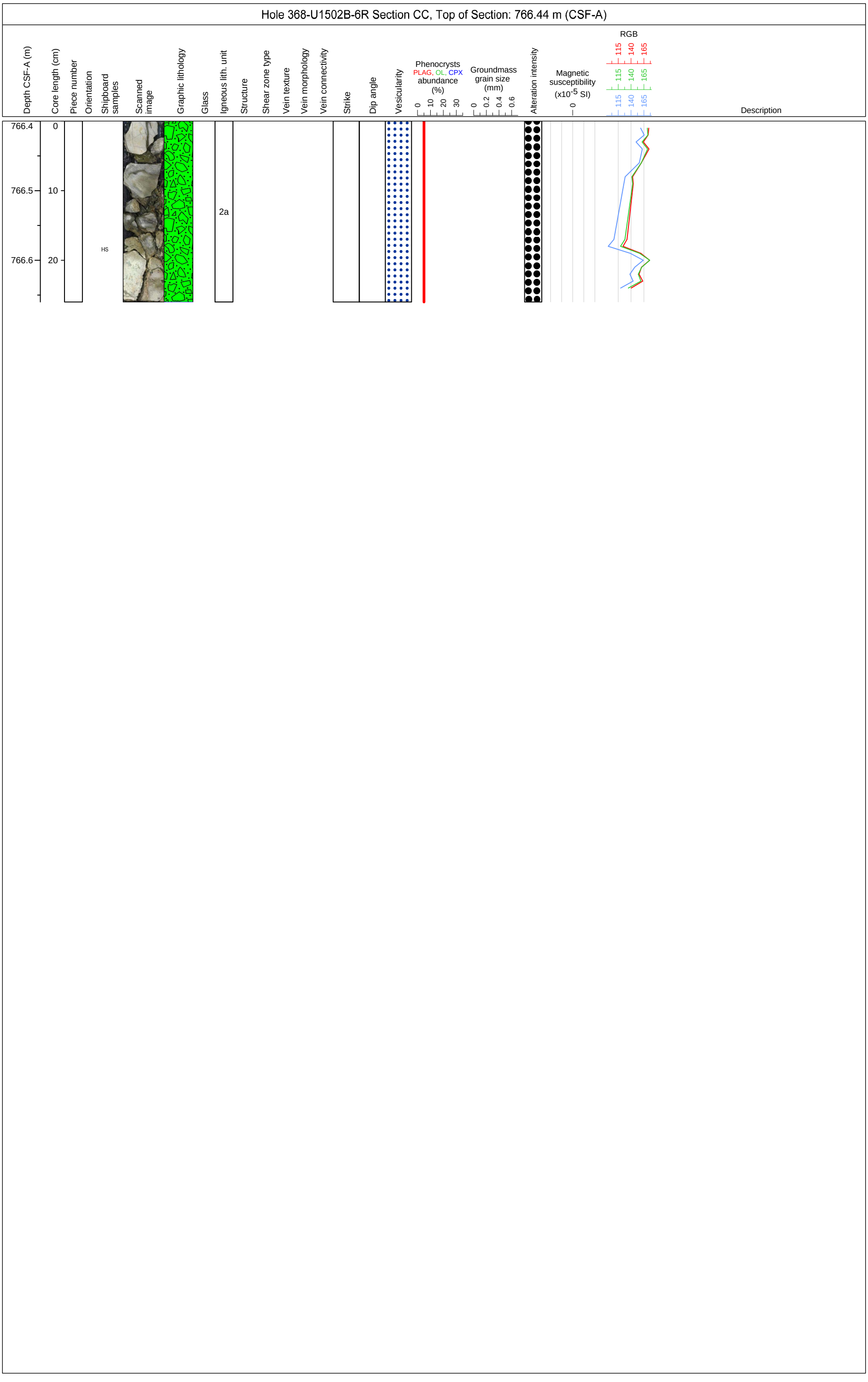
765.1 765.2 765.3 765.4 765.5 765.6 765.7 765.8 765.9 766.0 766.1 766.2 766.3 766.4

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

PMAG
MAD

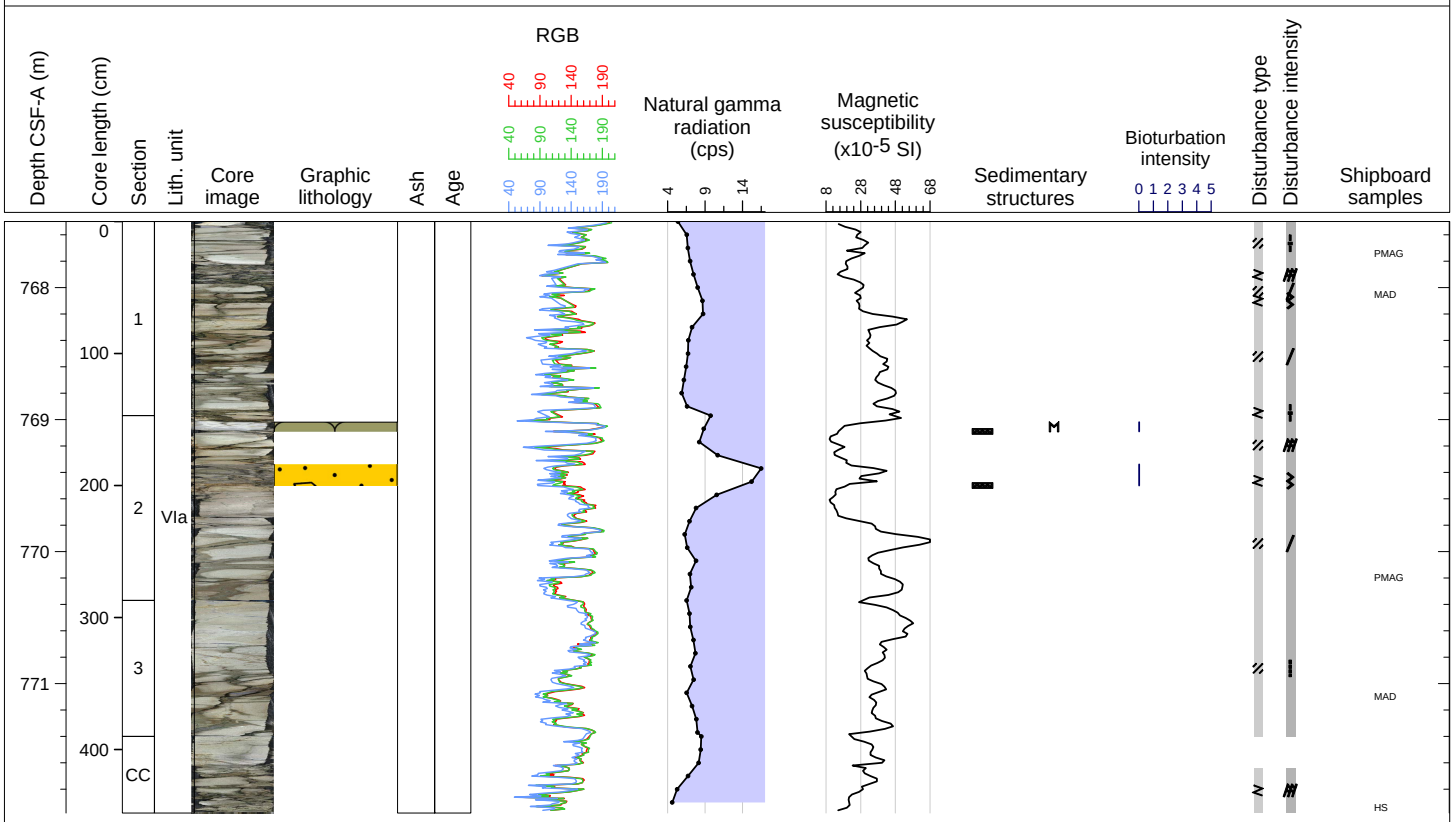
2a

368-U1502B-6R-6A, 0-142 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: tectonic breccia?
COLOR: light greenish gray
TEXTURE: inequigranular
PHENOCRYSTS: altered
GROUNDMASS: altered, sulfides
VESICLES: nonvesicular
UPPER CONTACT: not present
ALTERATION: pervasive


Hole 368-U1502B-6R Section CC, Top of Section: 766.44 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
766.4
766.5
766.6
0
10
20
HS
2a

Hole 368-U1502B Core 7R, Interval 767.5-771.98 m (CSF-A)

Light greenish gray and gray BASALT, light gray BRECCIATED BASALT, light gray BASALT BRECCIA, and light greenish gray SPARSELY PLAGIOCLASE-PHYRIC BASALT, with minor intervals of dark greenish gray CLAST-SUPPORTED BRECCIA, and white-gray CLAYSTONE. Hydrothermal alteration and fault veins common, with secondary quartz, sulfides, and possibly chlorite.



Hole 368-U1502B-7R Section 1, Top of Section: 767.5 m (CSF-A)

Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility ($x10^{-5}$ SI)
RGB
Description

767.5 0
767.6 10
767.7 20
767.8 30
767.9 40
768.0 50
768.1 60
768.2 70
768.3 80
768.4 90
768.5 100
768.6 110
768.7 120
768.8 130
768.9 140

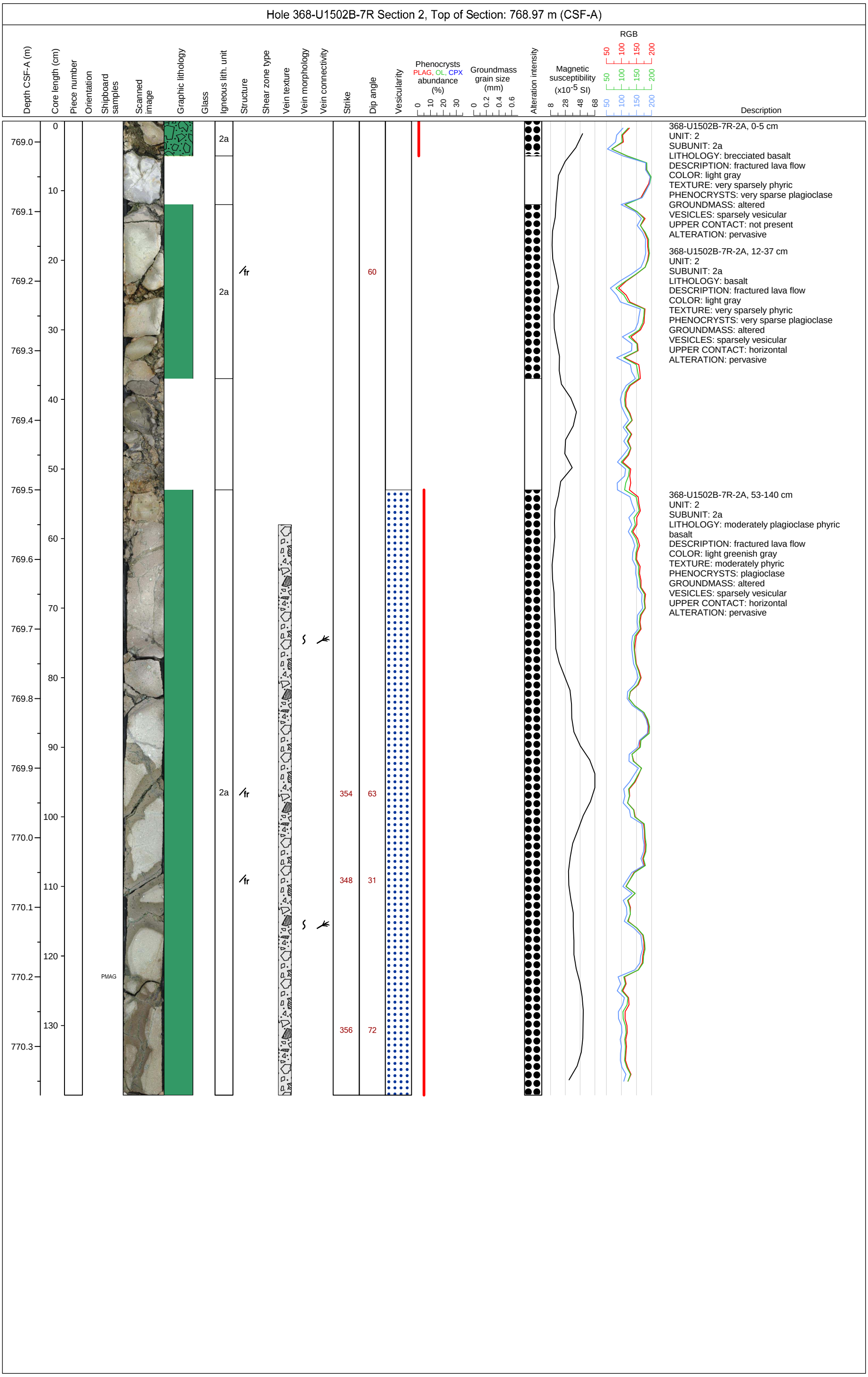
PMAG
MAD
2a
12
64

368-U1502B-7R-1A, 0-33 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: basalt
DESCRIPTION: fractured lava flow
COLOR: light greenish gray
TEXTURE: very sparsely phyric
PHENOCRYSTS: very sparse plagioclase
GROUNDMASS: altered
VESICLES: sparsely vesicular
UPPER CONTACT: not present
ALTERATION: pervasive

368-U1502B-7R-1A, 33-48 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: basaltic breccia
DESCRIPTION: disintegrated
COLOR: light gray
TEXTURE: none
PHENOCRYSTS: none
GROUNDMASS: not present
VESICLES: none
UPPER CONTACT: disturbed
ALTERATION: pervasive

368-U1502B-7R-1A, 48-147 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: fractured lava flow
COLOR: light gray
TEXTURE: very sparsely phyric
PHENOCRYSTS: very sparse plagioclase
GROUNDMASS: altered
VESICLES: sparsely vesicular
UPPER CONTACT: not present
ALTERATION: pervasive

Hole 368-U1502B-7R Section 2, Top of Section: 768.97 m (CSF-A)

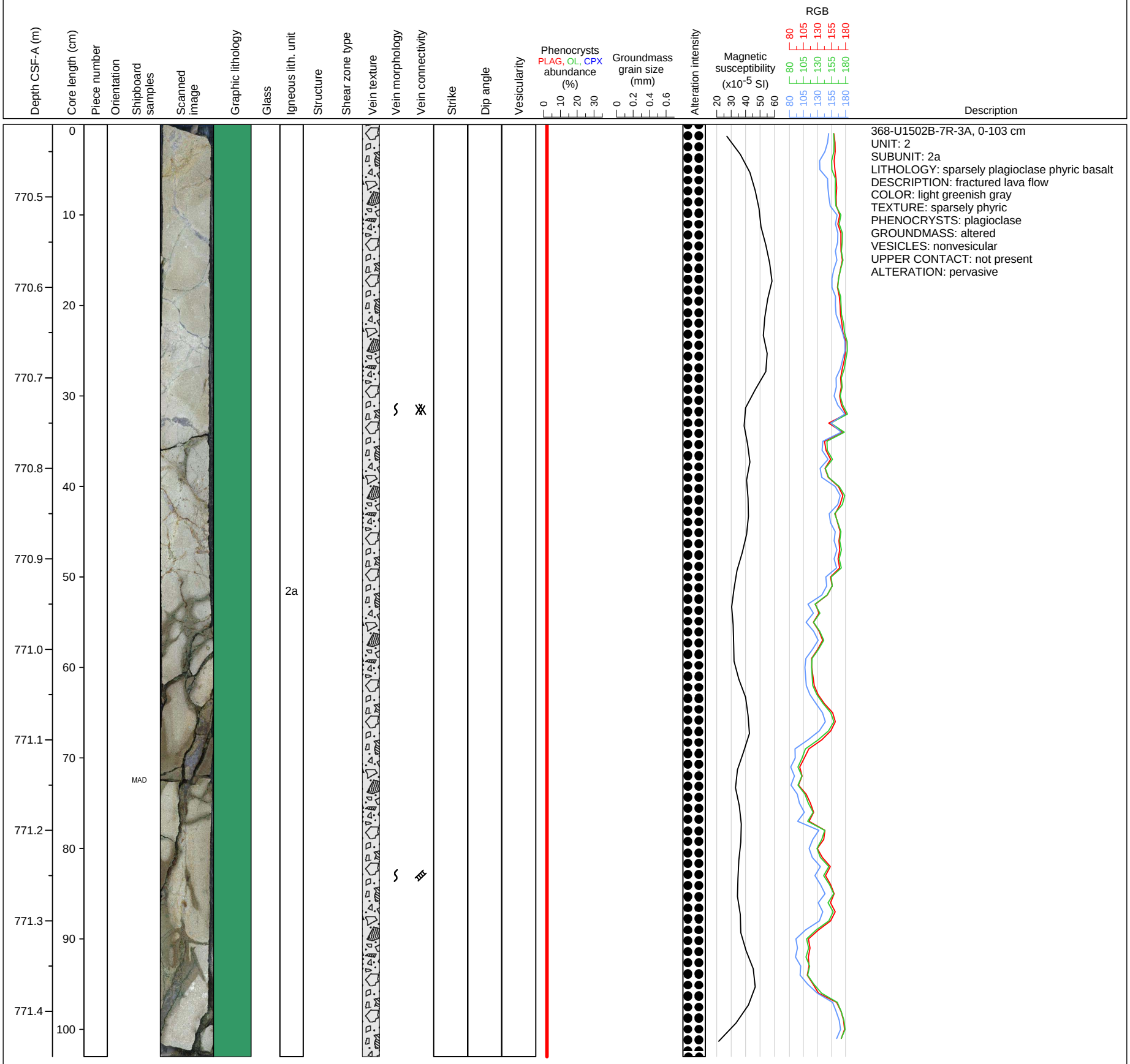


368-U1502B-7R-2A, 0-5 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: fractured lava flow
COLOR: light gray
TEXTURE: very sparsely phyric
PHENOCRYSTS: very sparse plagioclase
GROUNDMASS: altered
VESICLES: sparsely vesicular
UPPER CONTACT: not present
ALTERATION: pervasive

368-U1502B-7R-2A, 12-37 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: basalt
DESCRIPTION: fractured lava flow
COLOR: light gray
TEXTURE: very sparsely phyric
PHENOCRYSTS: very sparse plagioclase
GROUNDMASS: altered
VESICLES: sparsely vesicular
UPPER CONTACT: horizontal
ALTERATION: pervasive

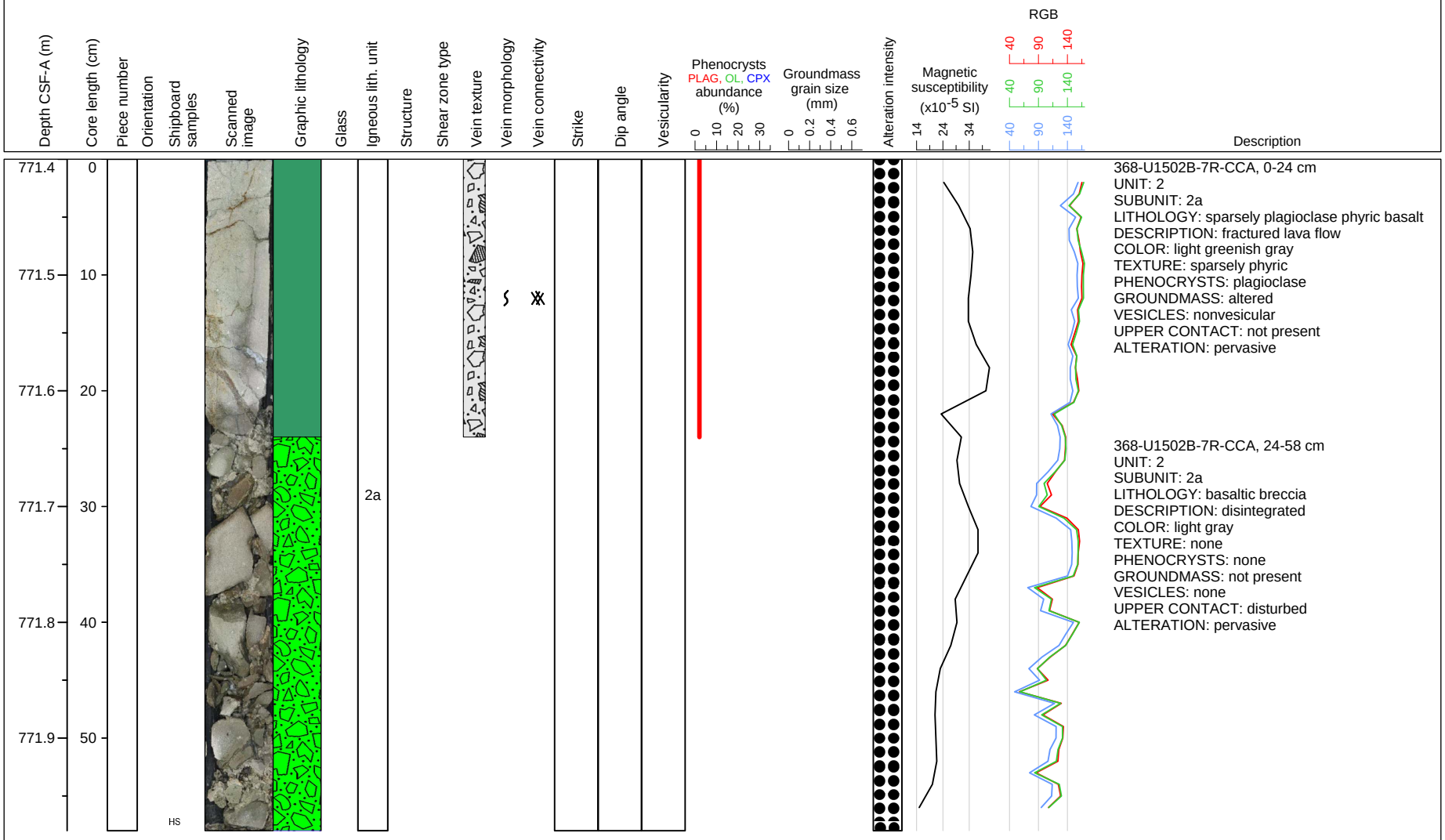
368-U1502B-7R-2A, 53-140 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured lava flow
COLOR: light greenish gray
TEXTURE: moderately phyric
PHENOCRYSTS: plagioclase
GROUNDMASS: altered
VESICLES: sparsely vesicular
UPPER CONTACT: horizontal
ALTERATION: pervasive

Hole 368-U1502B-7R Section 3, Top of Section: 770.37 m (CSF-A)



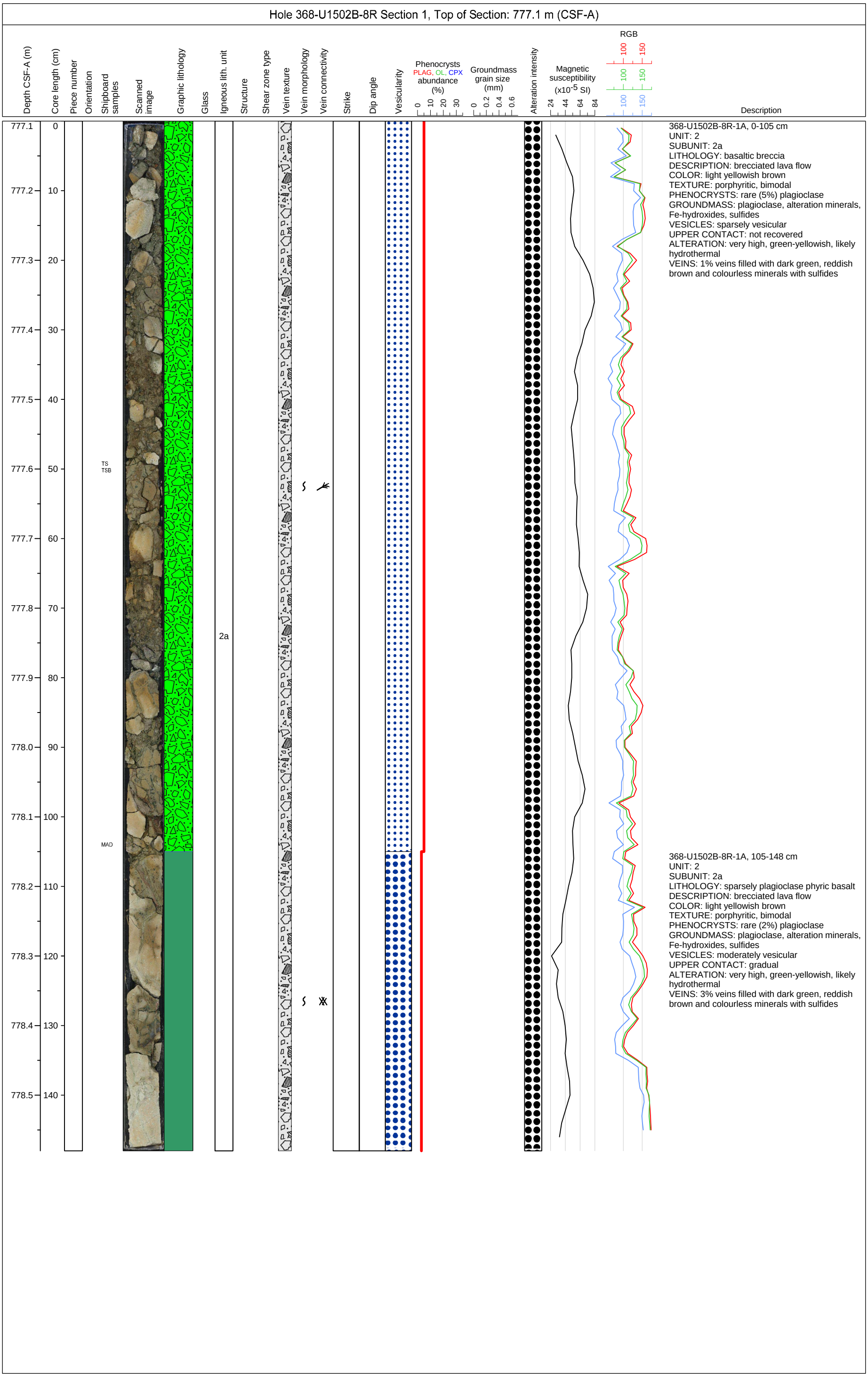
368-U1502B-7R-3A, 0-103 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured lava flow
COLOR: light greenish gray
TEXTURE: sparsely phyric
PHENOCRYSTS: plagioclase
GROUNDMASS: altered
VESICLES: nonvesicular
UPPER CONTACT: not present
ALTERATION: pervasive

Hole 368-U1502B-7R Section CC, Top of Section: 771.4 m (CSF-A)



368-U1502B-7R-CCA, 0-24 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured lava flow
COLOR: light greenish gray
TEXTURE: sparsely phyric
PHENOCRYSTS: plagioclase
GROUNDMASS: altered
VESICLES: nonvesicular
UPPER CONTACT: not present
ALTERATION: pervasive

368-U1502B-7R-CCA, 24-58 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: basaltic breccia
DESCRIPTION: disintegrated
COLOR: light gray
TEXTURE: none
PHENOCRYSTS: none
GROUNDMASS: not present
VESICLES: none
UPPER CONTACT: disturbed
ALTERATION: pervasive


Hole 368-U1502B-8R Section 1, Top of Section: 777.1 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
777.1
777.2
777.3
777.4
777.5
777.6
777.7
777.8
777.9
778.0
778.1
778.2
778.3
778.4
778.5
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
TS
TSB
MAD
2a
368-U1502B-8R-1A, 0-105 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: basaltic breccia
DESCRIPTION: brecciated lava flow
COLOR: light yellowish brown
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides, sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-yellowish, likely hydrothermal
VEINS: 1% veins filled with dark green, reddish brown and colourless minerals with sulfides
368-U1502B-8R-1A, 105-148 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: brecciated lava flow
COLOR: light yellowish brown
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (2%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides, sulfides
VESICLES: moderately vesicular
UPPER CONTACT: gradual
ALTERATION: very high, green-yellowish, likely hydrothermal
VEINS: 3% veins filled with dark green, reddish brown and colourless minerals with sulfides

Hole 368-U1502B-8R Section 2, Top of Section: 778.58 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Groundmass grain size (mm) | Alteration intensity | Magnetic susceptibility ($\times10^{-5}$ SI) | RGB | Description

778.6 | 0 | 778.7 | 10 | 778.8 | 20 | 778.9 | 30 | 779.0 | 40 | 779.1 | 50 | 779.2 | 60 | 779.3 | 70 | 779.4 | 80 | 779.5 | 90 | 779.6 | 100 | 779.7 | 110

PMAG

2a

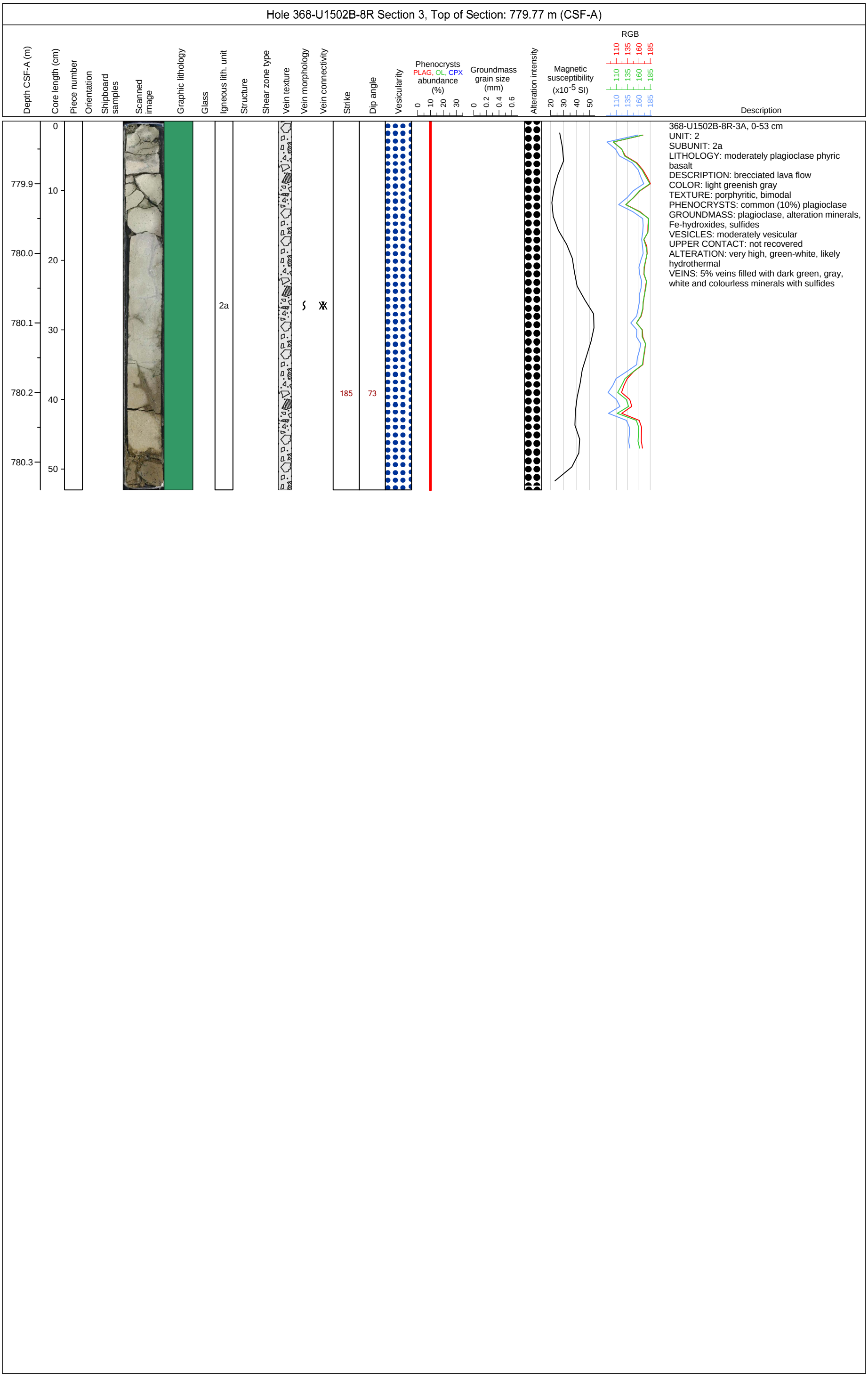
MAD

SED

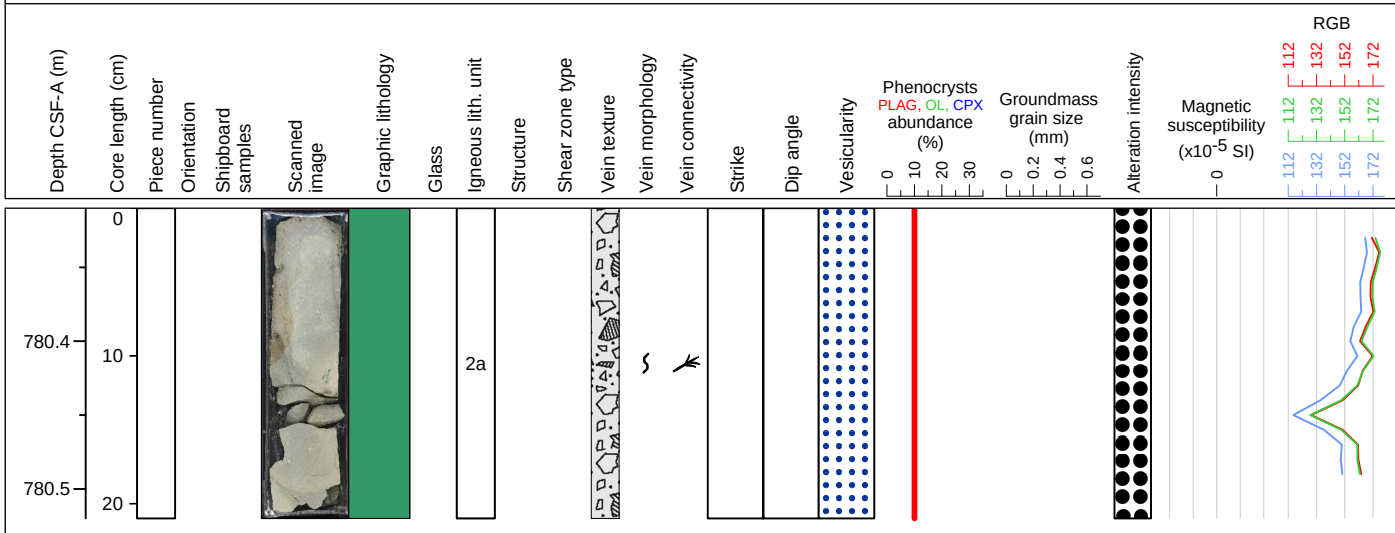
HS

368-U1502B-8R-2A, 0-48 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: brecciated lava flow
COLOR: light yellowish brown
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (2%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides, sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-yellowish, likely hydrothermal
VEINS: 2% veins filled with dark green, reddish brown and colourless minerals

368-U1502B-8R-2A, 48-119 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: brecciated lava flow
COLOR: light greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (10%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides, sulfides
VESICLES: moderately vesicular
UPPER CONTACT: gradual
ALTERATION: very high, green-white, likely hydrothermal
VEINS: 5% veins filled with dark green, gray, white and colourless minerals with sulfides


Hole 368-U1502B-8R Section 3, Top of Section: 779.77 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
779.9
780.0
780.1
780.2
780.3
0
10
20
30
40
50
2a
185
73
368-U1502B-8R-3A, 0-53 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: brecciated lava flow
COLOR: light greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides, sulfides
VESICLES: moderately vesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, likely hydrothermal
VEINS: 5% veins filled with dark green, gray, white and colourless minerals with sulfides

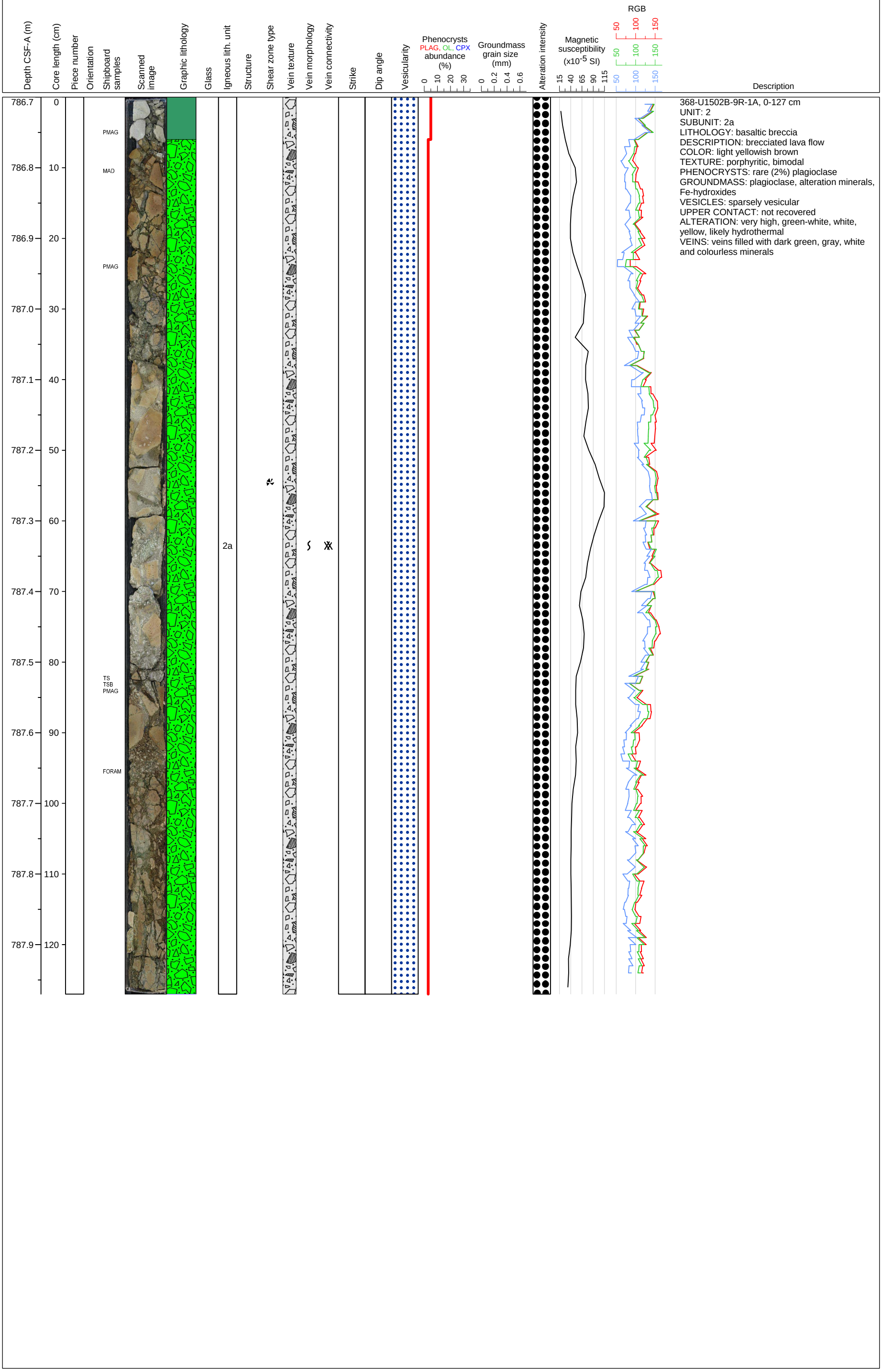
Hole 368-U1502B-8R Section CC, Top of Section: 780.3 m (CSF-A)



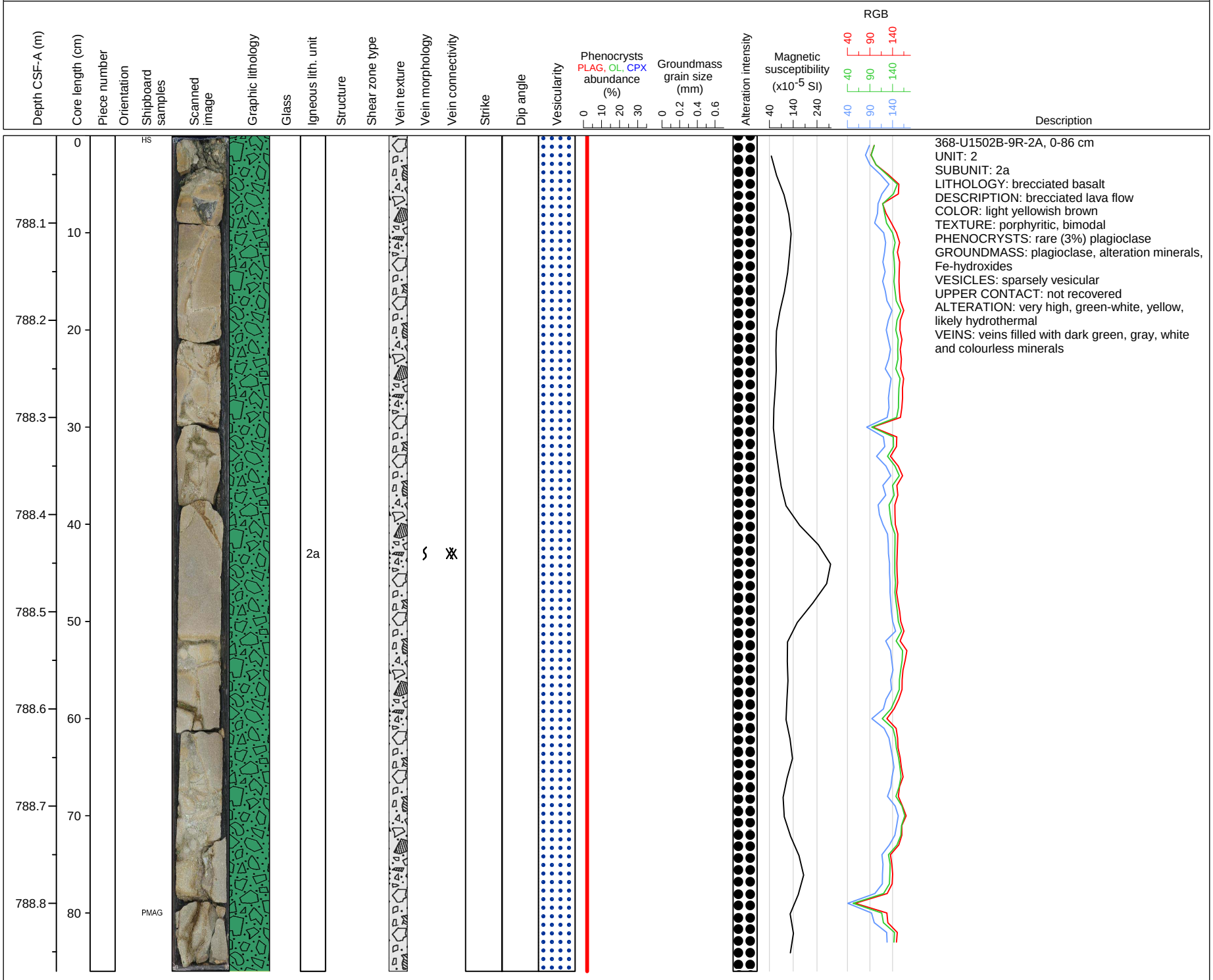
Description

368-U1502B-8R-CCA, 0-21 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: brecciated lava flow
COLOR: light greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides, sulfides
VESICLES: moderately vesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, likely hydrothermal
VEINS: 1% veins filled with dark green, gray, white and colourless minerals with sulfides

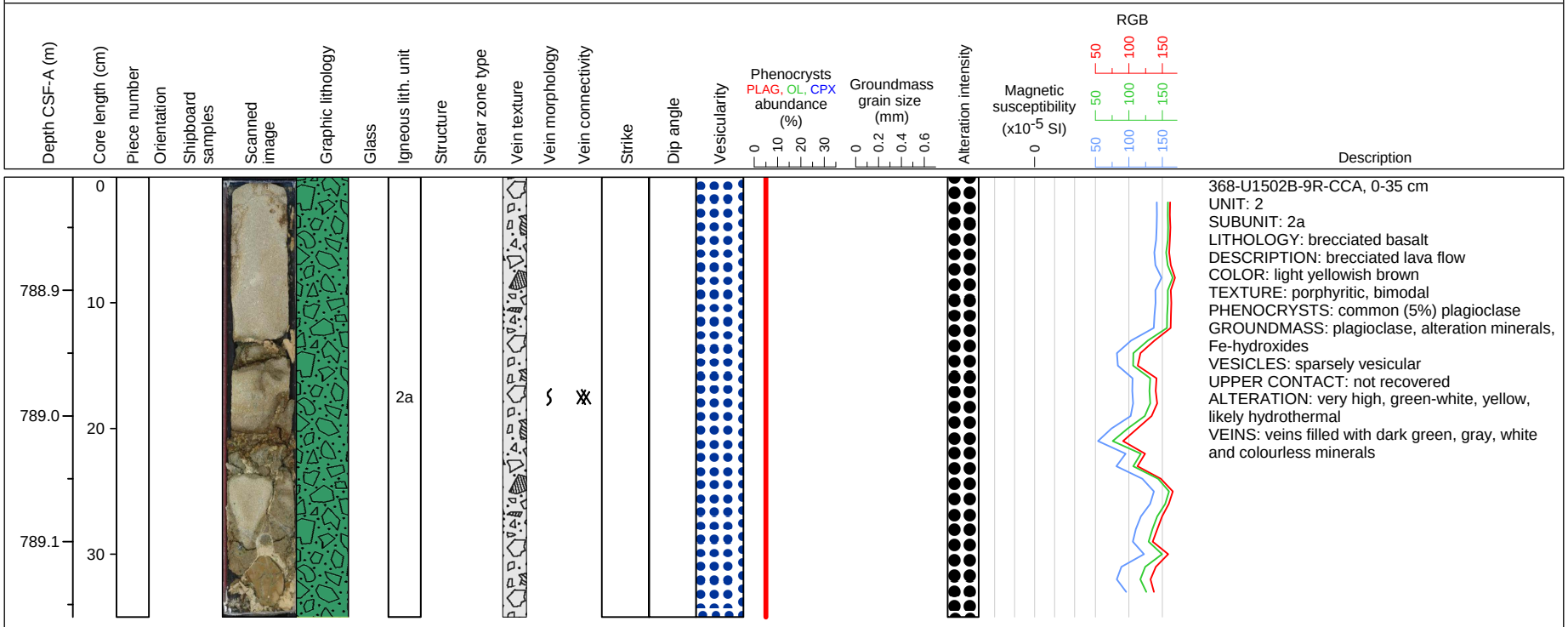
Hole 368-U1502B-9R Section 1, Top of Section: 786.7 m (CSF-A)



Hole 368-U1502B-9R Section 2, Top of Section: 787.97 m (CSF-A)

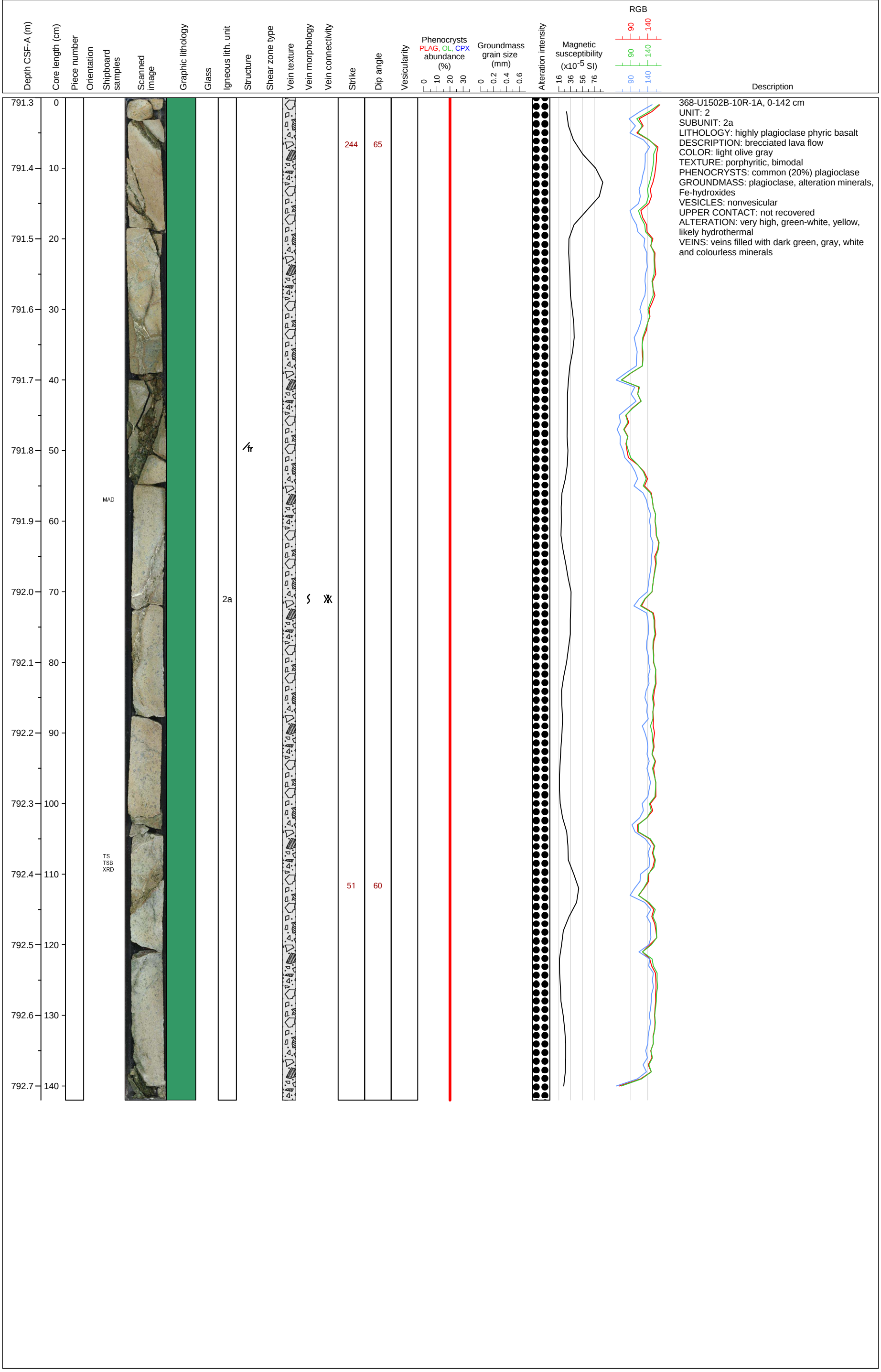


Hole 368-U1502B-9R Section CC, Top of Section: 788.83 m (CSF-A)



368-U1502B-9R-CCA, 0-35 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: brecciated lava flow
COLOR: light yellowish brown
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: common (5%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, yellow, likely hydrothermal
VEINS: veins filled with dark green, gray, white and colourless minerals

Hole 368-U1502B-10R Section 1, Top of Section: 791.3 m (CSF-A)



Hole 368-U1502B-10R Section 2, Top of Section: 792.72 m (CSF-A)

Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility ($x10^{-5}$ SI)
RGB
Description

792.8
792.9
793.0
793.1
793.2
793.3
793.4
793.5
793.6
793.7
793.8
793.9
794.0
794.1

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

MAD
NANNO FORAM
XRD

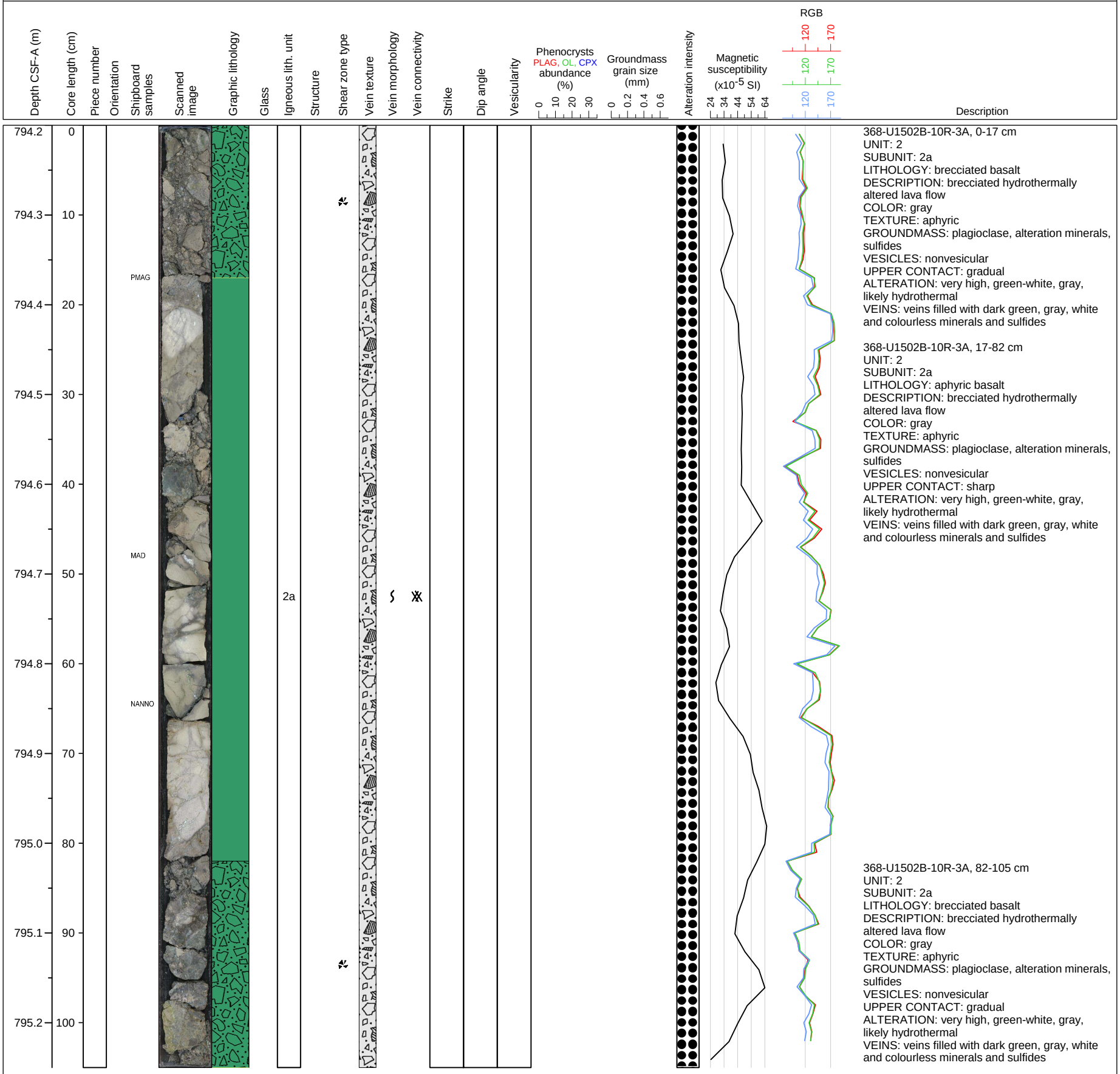
2a

368-U1502B-10R-2A, 0-6 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: highly plagioclase phyric basalt
DESCRIPTION: brecciated lava flow
COLOR: light olive gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: common (20%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, yellow, likely hydrothermal
VEINS: veins filled with dark green, gray, white and colourless minerals

368-U1502B-10R-2A, 6-106 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: brecciated lava flow
COLOR: dark apple greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: abundant (25%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides
VESICLES: nonvesicular
UPPER CONTACT: sharp
ALTERATION: very high, green-white, yellow, likely hydrothermal
VEINS: veins filled with dark green, gray, white and colourless minerals

368-U1502B-10R-2A, 106-148 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: brecciated hydrothermally altered lava flow
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: nonvesicular
UPPER CONTACT: gradual
ALTERATION: very high, green-white, gray, likely hydrothermal
VEINS: veins filled with dark green, gray, white and colourless minerals and sulfides

Hole 368-U1502B-10R Section 3, Top of Section: 794.2 m (CSF-A)

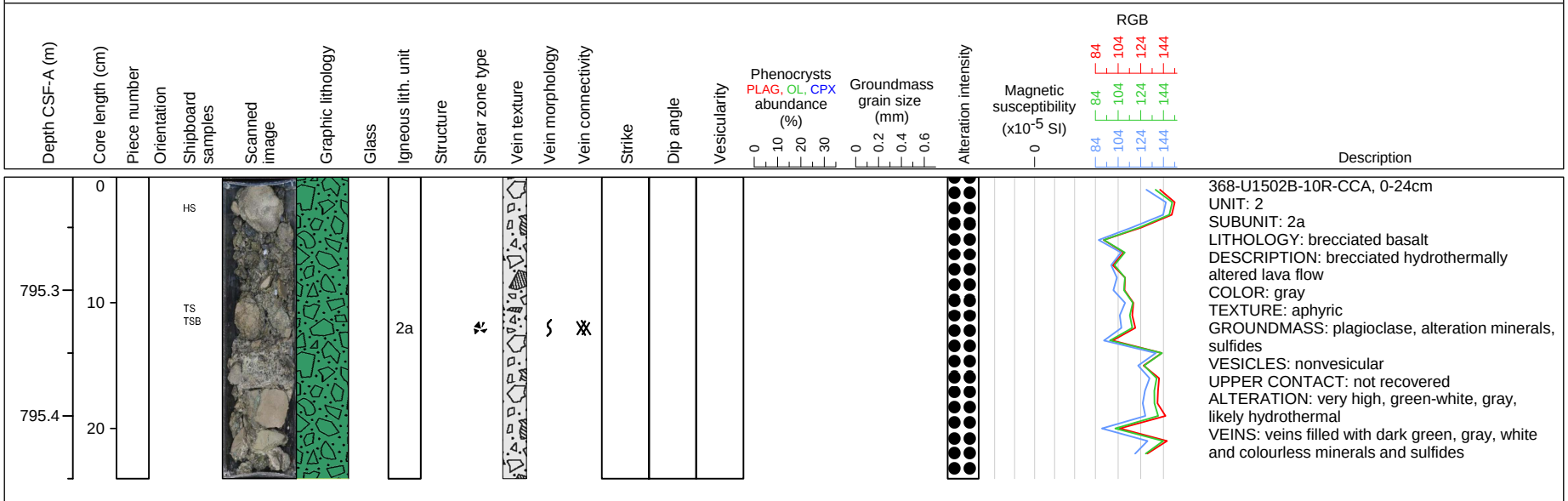


368-U1502B-10R-3A, 0-17 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: brecciated hydrothermally altered lava flow
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: nonvesicular
UPPER CONTACT: gradual
ALTERATION: very high, green-white, gray, likely hydrothermal
VEINS: veins filled with dark green, gray, white and colourless minerals and sulfides

368-U1502B-10R-3A, 17-82 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: aphyric basalt
DESCRIPTION: brecciated hydrothermally altered lava flow
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: nonvesicular
UPPER CONTACT: sharp
ALTERATION: very high, green-white, gray, likely hydrothermal
VEINS: veins filled with dark green, gray, white and colourless minerals and sulfides

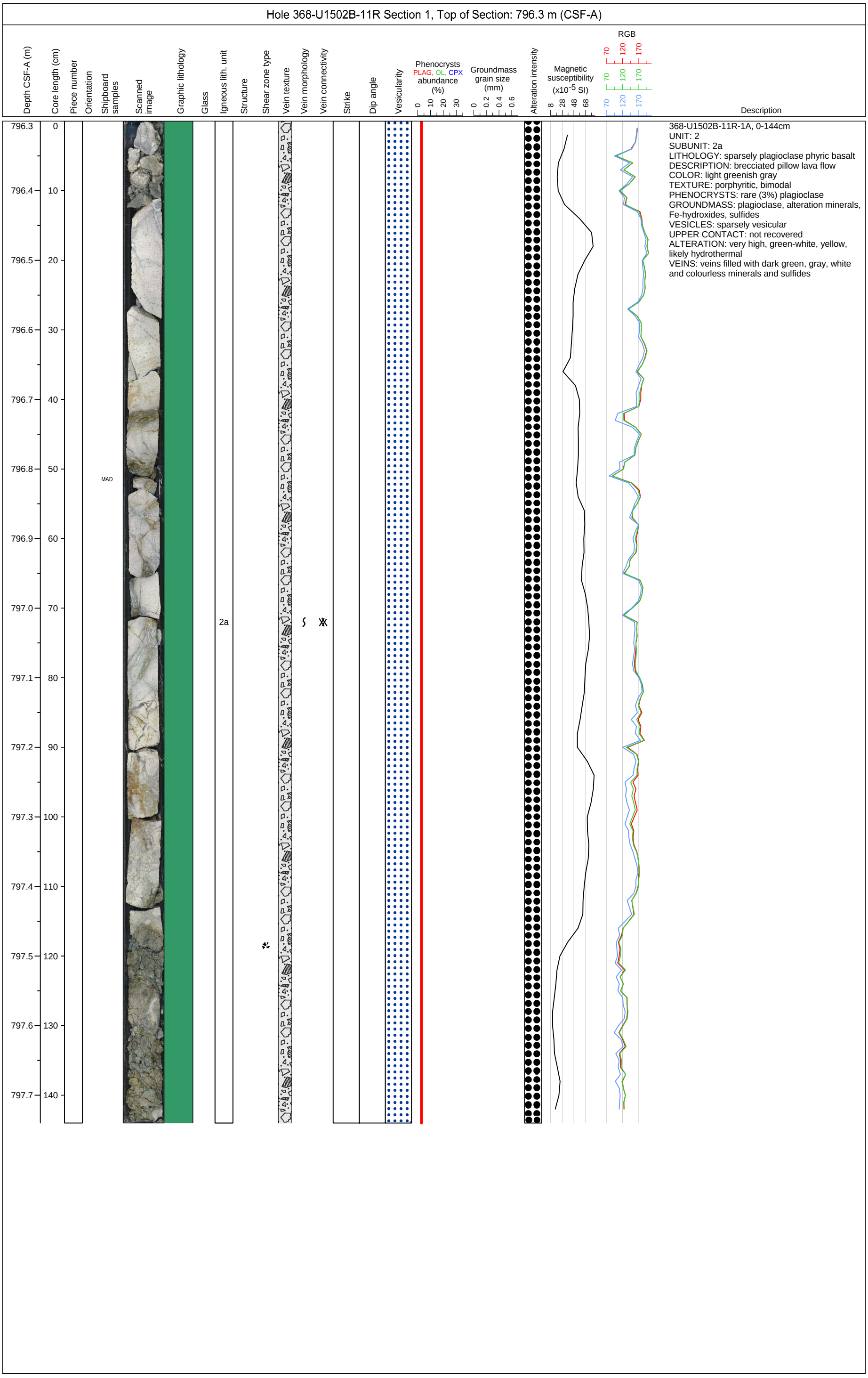
368-U1502B-10R-3A, 82-105 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: brecciated hydrothermally altered lava flow
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: nonvesicular
UPPER CONTACT: gradual
ALTERATION: very high, green-white, gray, likely hydrothermal
VEINS: veins filled with dark green, gray, white and colourless minerals and sulfides

Hole 368-U1502B-10R Section CC, Top of Section: 795.25 m (CSF-A)



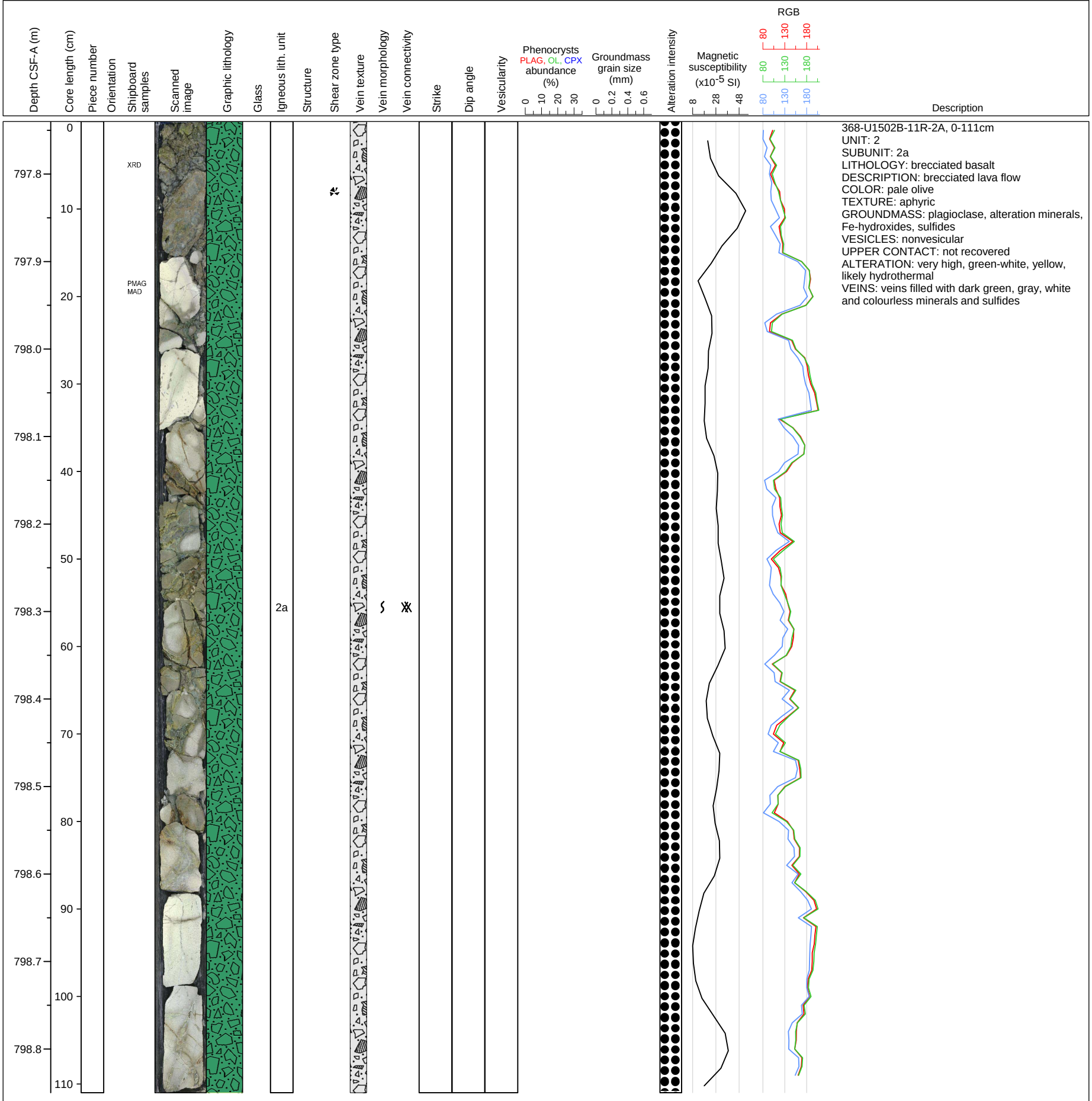
368-U1502B-10R-CCA, 0-24cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: brecciated hydrothermally altered lava flow
COLOR: gray
TEXTURE: aphyric
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, gray, likely hydrothermal
VEINS: veins filled with dark green, gray, white and colourless minerals and sulfides

Hole 368-U1502B-11R Section 1, Top of Section: 796.3 m (CSF-A)

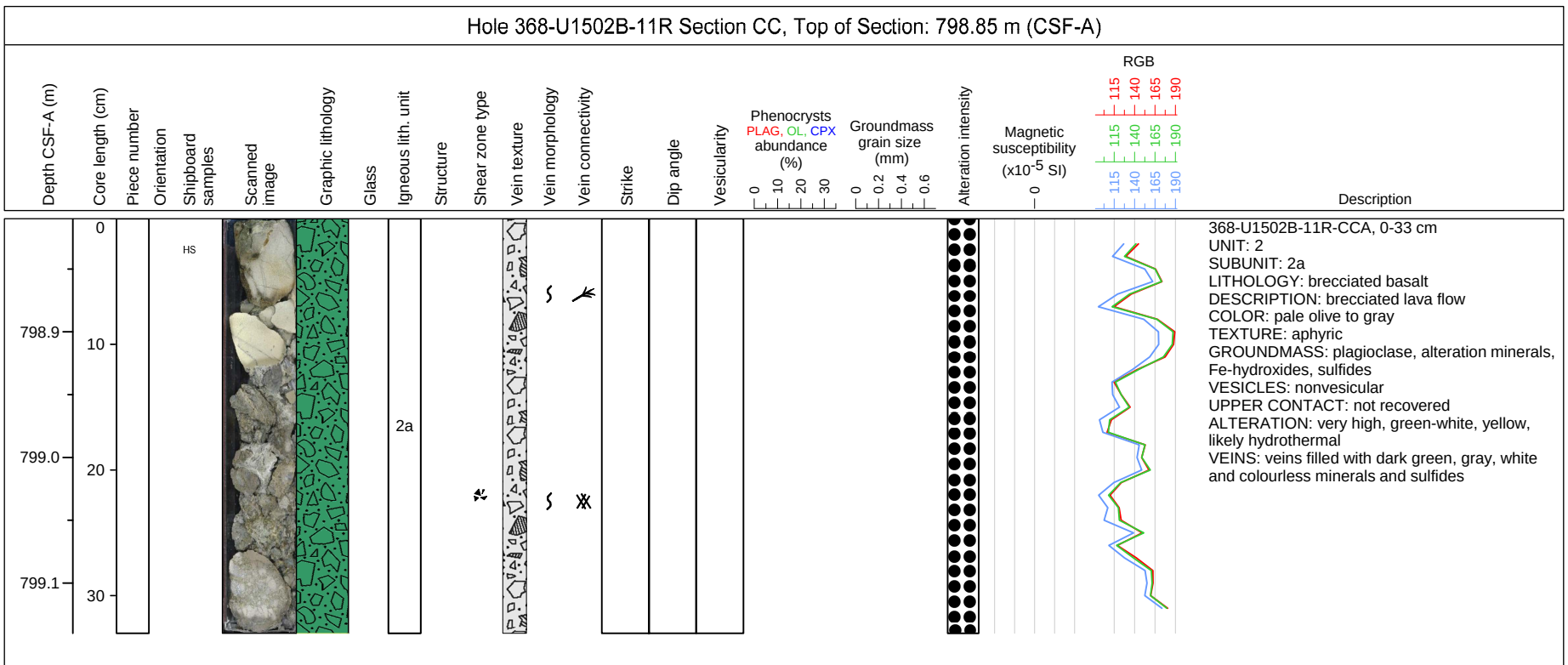


368-U1502B-11R-1A, 0-144cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: brecciated pillow lava flow
COLOR: light greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, Fe-hydroxides, sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, yellow, likely hydrothermal
VEINS: veins filled with dark green, gray, white and colourless minerals and sulfides

Hole 368-U1502B-11R Section 2, Top of Section: 797.74 m (CSF-A)



Hole 368-U1502B-11R Section CC, Top of Section: 798.85 m (CSF-A)



Hole 368-U1502B-12R Section 1, Top of Section: 800.9 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) 0 10 20 30 | Groundmass grain size (mm) 0 0.2 0.4 0.6 | Alteration intensity | Magnetic susceptibility ($x10^{-5}$ SI) 0 50 100 | RGB 60 110 160 | 60 110 160 | 60 110 160 | Description

800.9 | 0 | 01
801.0 | 10
02
801.1 | 20
801.2 | 30
03
801.3 | 40
801.4 | 50
04
801.5 | 60
801.6 | 70
05
801.7 | 80
06
TS
TSB
07
801.8 | 90
08
PMAG
MAD
09
801.9 | 100
10
802.0 | 110
11
802.1 | 120
12
802.2 | 130
13
802.3 | 140
14

2a

2b

368-U1502B-12R-1A, 0-65 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: brecciated basalt
DESCRIPTION: brecciated lava flow
COLOR: light greenish grey
TEXTURE: altered
GROUNDMASS: fine grained, altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: very high
VEINS: veins filled with epidote, sulfides and other minerals

368-U1502B-12R-1A, 65-105 cm
UNIT: 2
SUBUNIT: 2a
LITHOLOGY: breccia
DESCRIPTION: fault breccia grading into fault gouge?
COLOR: gray
TEXTURE: brecciated
GROUNDMASS: cataclastic?
VESICLES: nonvesicular
UPPER CONTACT: transitional
ALTERATION: very high
VEINS: few very thin veins

368-U1502B-12R-1A, 105-146 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: lava flow
COLOR: light greenish grey
TEXTURE: sparsely phyric
GROUNDMASS: fine grained, highly altered
VESICLES: nonvesicular?
UPPER CONTACT: not recovered
ALTERATION: very high
VEINS: veins filled with epidote, chlorite, Fe-oxides, some pyrite and other secondary minerals

Hole 368-U1502B-12R Section 2, Top of Section: 802.36 m (CSF-A)

Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility ($\times 10^{-5}$ SI)
RGB
Description

802.4 – 802.8 – 802.9 – 803.0 – 803.1 – 803.2 – 803.3 – 803.4 – 803.5 – 803.6 – 803.7 – 803.8

0 – 10 – 20 – 30 – 40 – 50 – 60 – 70 – 80 – 90 – 100 – 110 – 120 – 130 – 140

01 – 02 – 03 – 04 – 05 – 06 – 07 – 08 – 09 – 10

PMAG
XRD

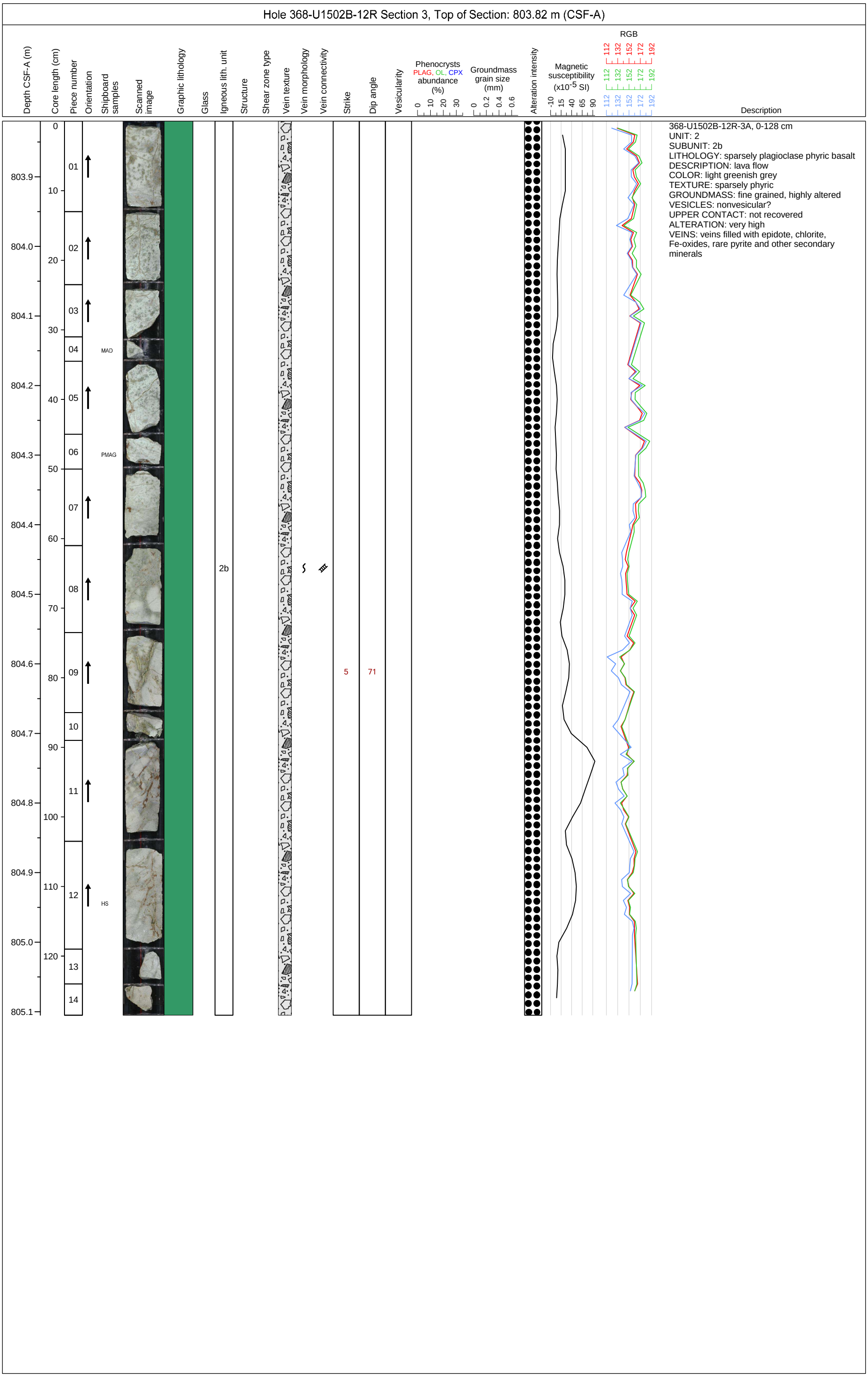
2b

8

63

368-U1502B-12R-2A, 0-146 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: lava flow
COLOR: light greenish grey
TEXTURE: sparsely phyric
GROUNDMASS: fine grained, highly altered
VESICLES: nonvesicular?
UPPER CONTACT: not recovered
ALTERATION: very high
VEINS: veins filled with epidote, chlorite, Fe-oxides, some pyrite and other secondary minerals

Hole 368-U1502B-12R Section 3, Top of Section: 803.82 m (CSF-A)



Hole 368-U1502B-13R Section 1, Top of Section: 805.9 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Groundmass grain size (mm) | Alteration intensity | Magnetic susceptibility ($x10^{-5}$ SI) | RGB | Description

805.9 (0) 01
806.0 (10) 02
806.1 (20) 03
806.2 (30) 04
806.3 (40)
806.4 (50) 05
806.5 (60)
806.6 (70)
806.7 (80) 06
806.8 (90)
806.9 (100)
807.0 (110)
807.1 (120) 07
807.2 (130)
807.3 (140)

2b

360 89

368-U1502B-13R-1A, 0-141 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: brecciated basalt
DESCRIPTION: lobate lava flow
COLOR: light greenish grey
TEXTURE: porphyritic
GROUNDMASS: fine-grained, highly altered
VESICLES: nonvesicular?
UPPER CONTACT: not recovered
ALTERATION: very high, pervasive
VEINS: veins filled with epidote, chlorite, Fe-oxides, sulfides and other secondary minerals

Hole 368-U1502B-13R Section 2, Top of Section: 807.31 m (CSF-A)

Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility ($x10^{-5}$ SI)
RGB

807.4 0 10 01 179 80
807.5 20
807.6 30
807.7 40
807.8 50 PMAG 02 184 72
807.9 60
808.0 70 2b
808.1 80 03
808.2 90 04
808.3 100
808.4 110
808.5 120 05 MAD
808.6 130 PMAG

Description

368-U1502B-13R-2A, 0-139 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: brecciated basalt
DESCRIPTION: lava flow
COLOR: light greenish grey
TEXTURE: porphyritic
GROUNDMASS: fine-grained, highly altered
VESICLES: nonvesicular?
UPPER CONTACT: not recovered
ALTERATION: very high, pervasive
VEINS: veins filled with epidote, chlorite, Fe-oxides, sulfides and other secondary minerals

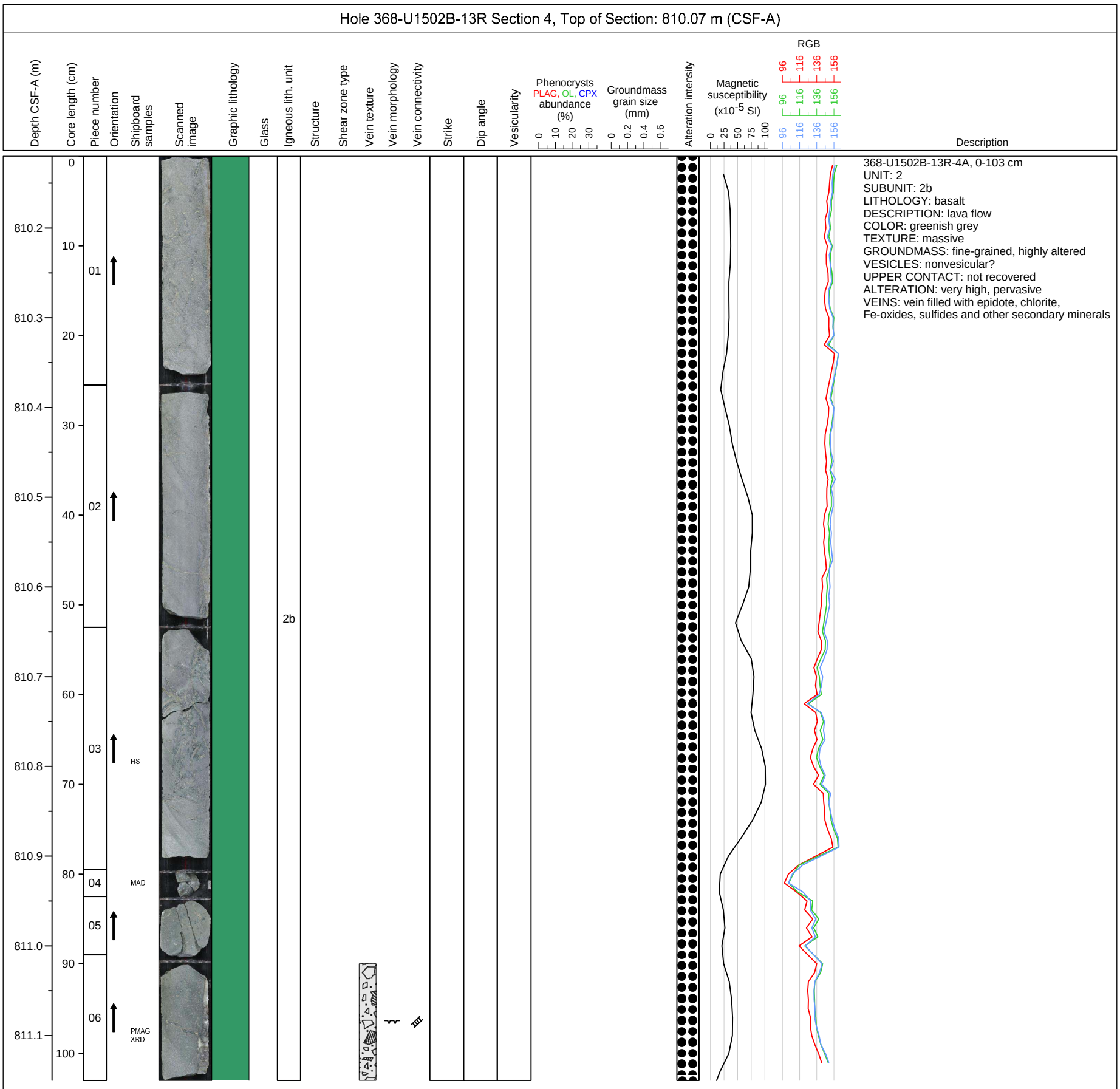
Hole 368-U1502B-13R Section 3, Top of Section: 808.7 m (CSF-A)

Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%) 0 10 20 30
Groundmass grain size (mm) 0 0.2 0.4 0.6
Alteration intensity
Magnetic susceptibility (x10^{-5} SI) 4 24 44 64
RGB 120 140 160 120 140 160 120 140 160
Description

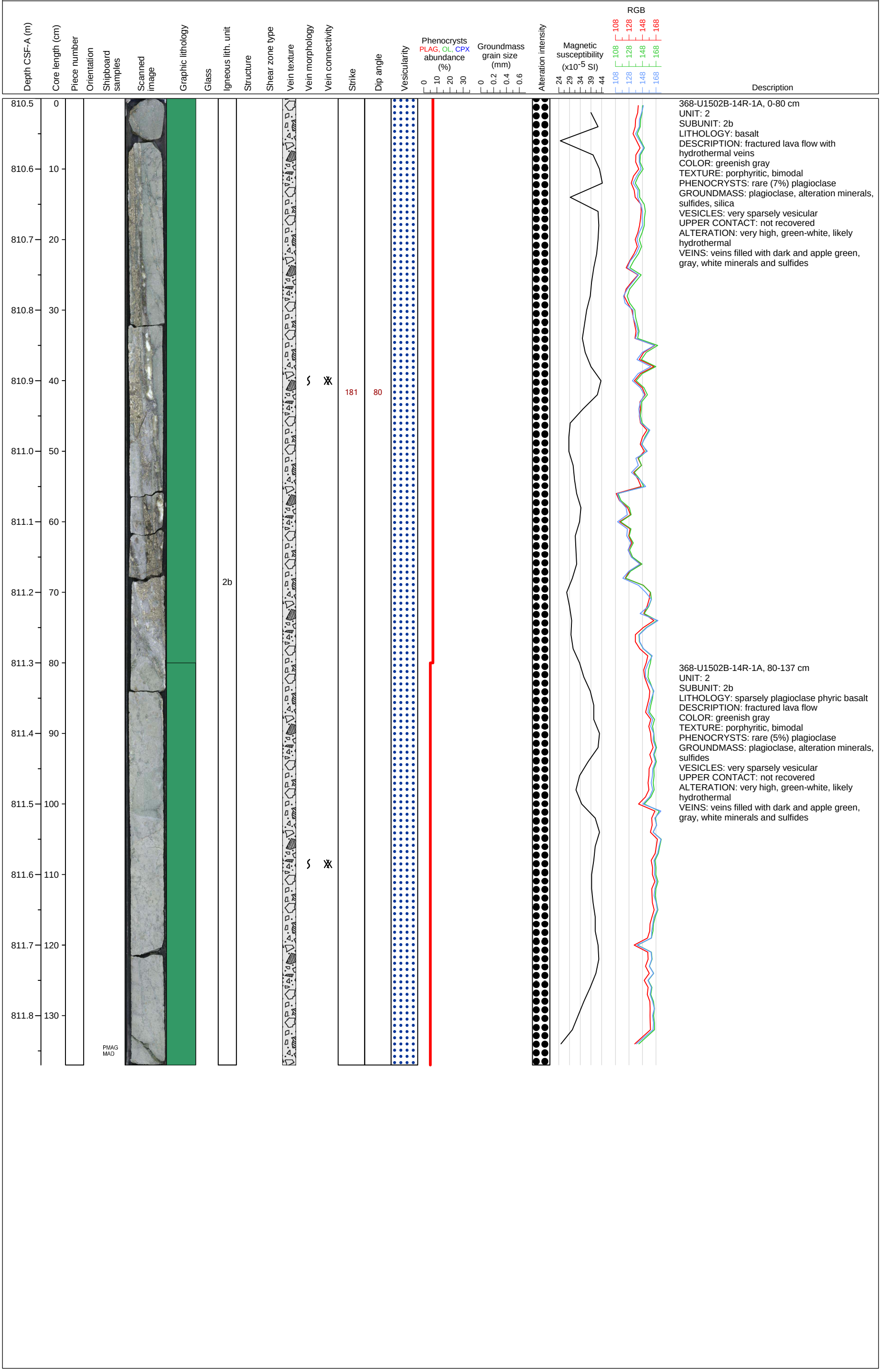
808.7 0
808.8 10
808.9 20
809.0 30
809.1 40
809.2 50
809.3 60
809.4 70
809.5 80
809.6 90
809.7 100
809.8 110
809.9 120
810.0 130

01
02
03
2b

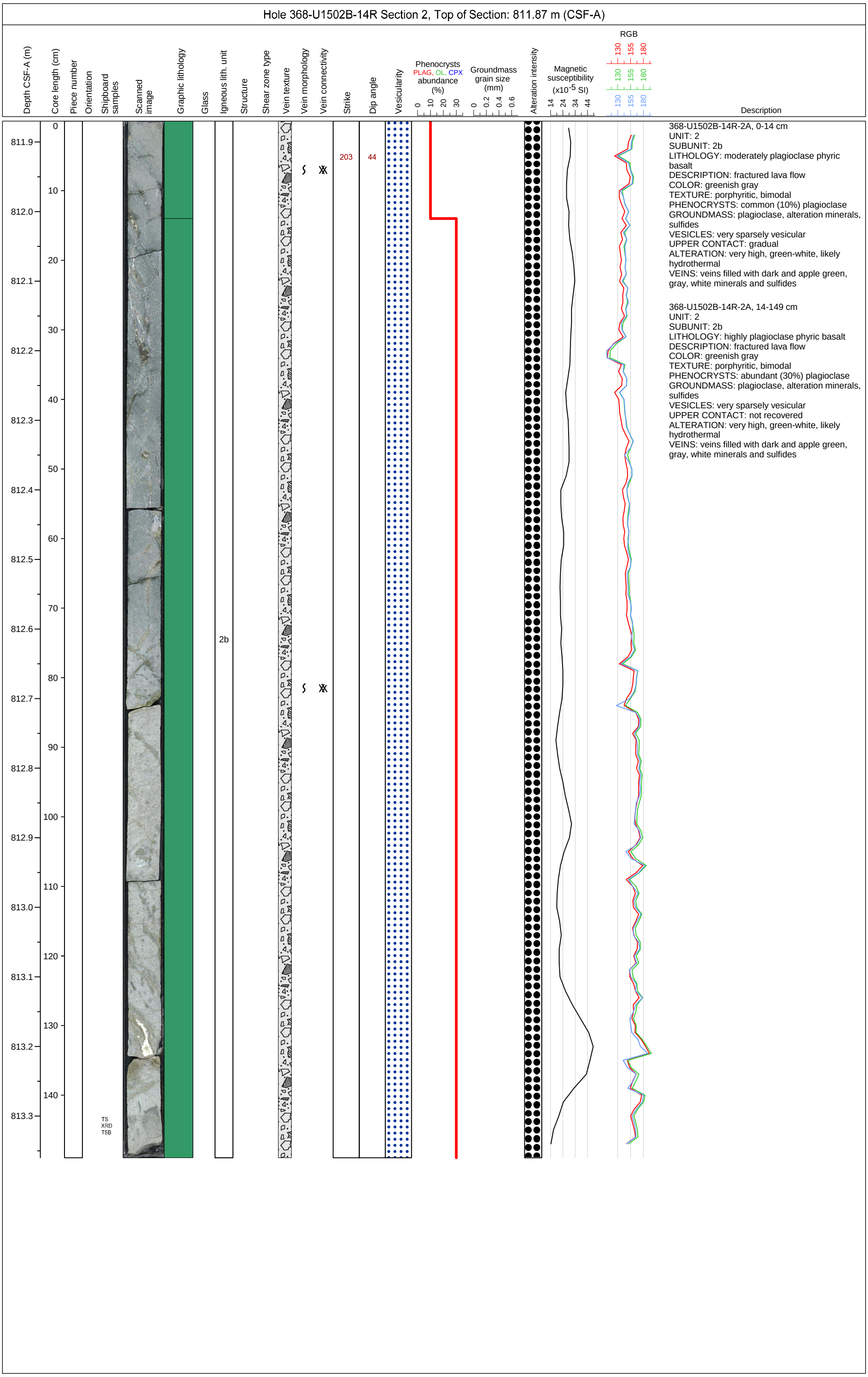
368-U1502B-13R-3A, 0-137 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: basalt
DESCRIPTION: lava flow
COLOR: light greenish grey
TEXTURE: phyric?
GROUNDMASS: fine-grained, highly altered
VESICLES: nonvesicular?
UPPER CONTACT: not recovered
ALTERATION: very high, pervasive
VEINS: vein filled with epidote, chlorite, Fe-oxides, sulfides and other secondary minerals


Hole 368-U1502B-13R Section 4, Top of Section: 810.07 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
810.2
810.3
810.4
810.5
810.6
810.7
810.8
810.9
811.0
811.1
0
10
20
30
40
50
60
70
80
90
100
01
02
03
04
05
06
HS
MAD
PMAG
XRD
2b
368-U1502B-13R-4A, 0-103 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: basalt
DESCRIPTION: lava flow
COLOR: greenish grey
TEXTURE: massive
GROUNDMASS: fine-grained, highly altered
VESICLES: nonvesicular?
UPPER CONTACT: not recovered
ALTERATION: very high, pervasive
VEINS: vein filled with epidote, chlorite, Fe-oxides, sulfides and other secondary minerals

Hole 368-U1502B-14R Section 1, Top of Section: 810.5 m (CSF-A)

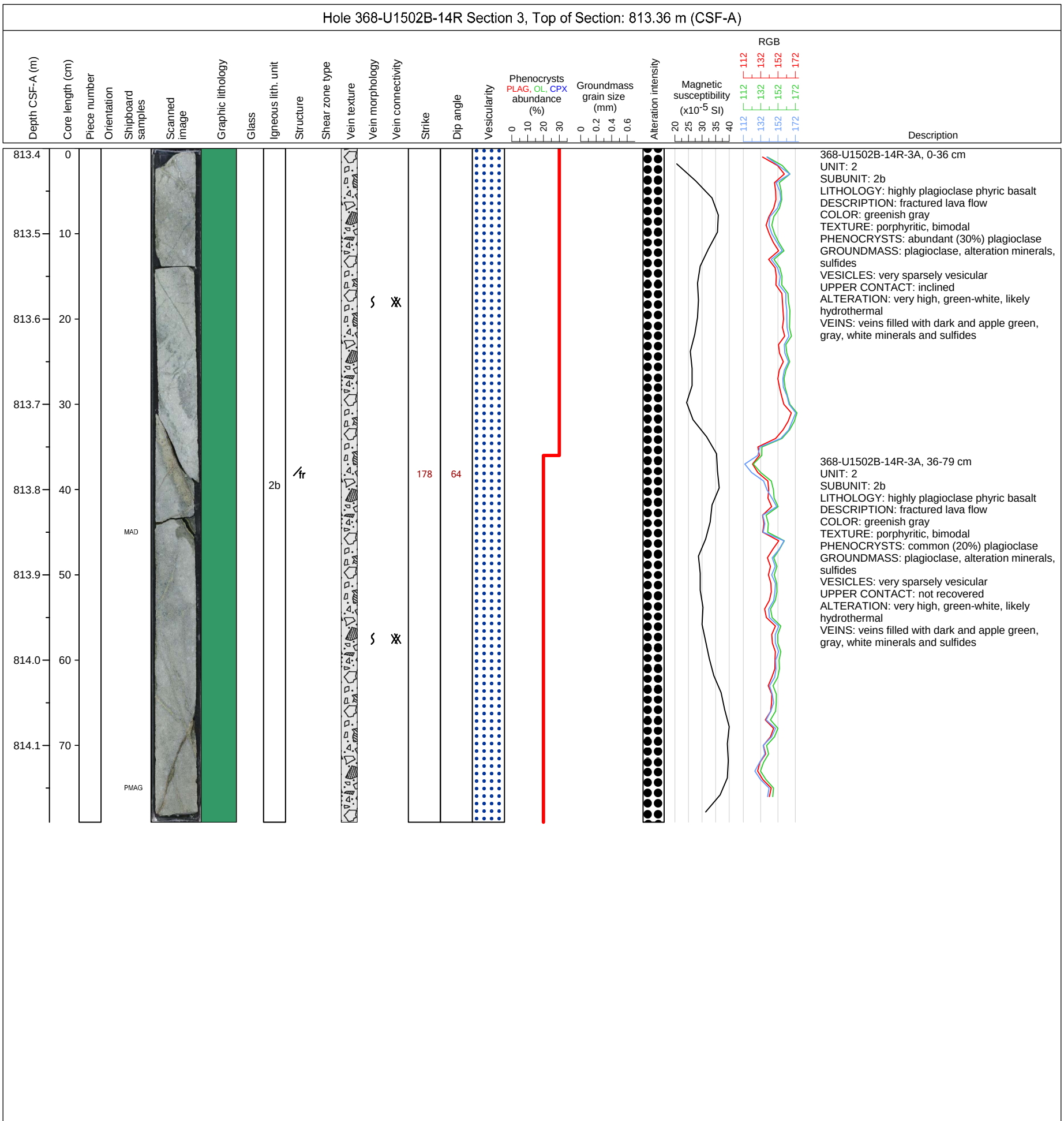


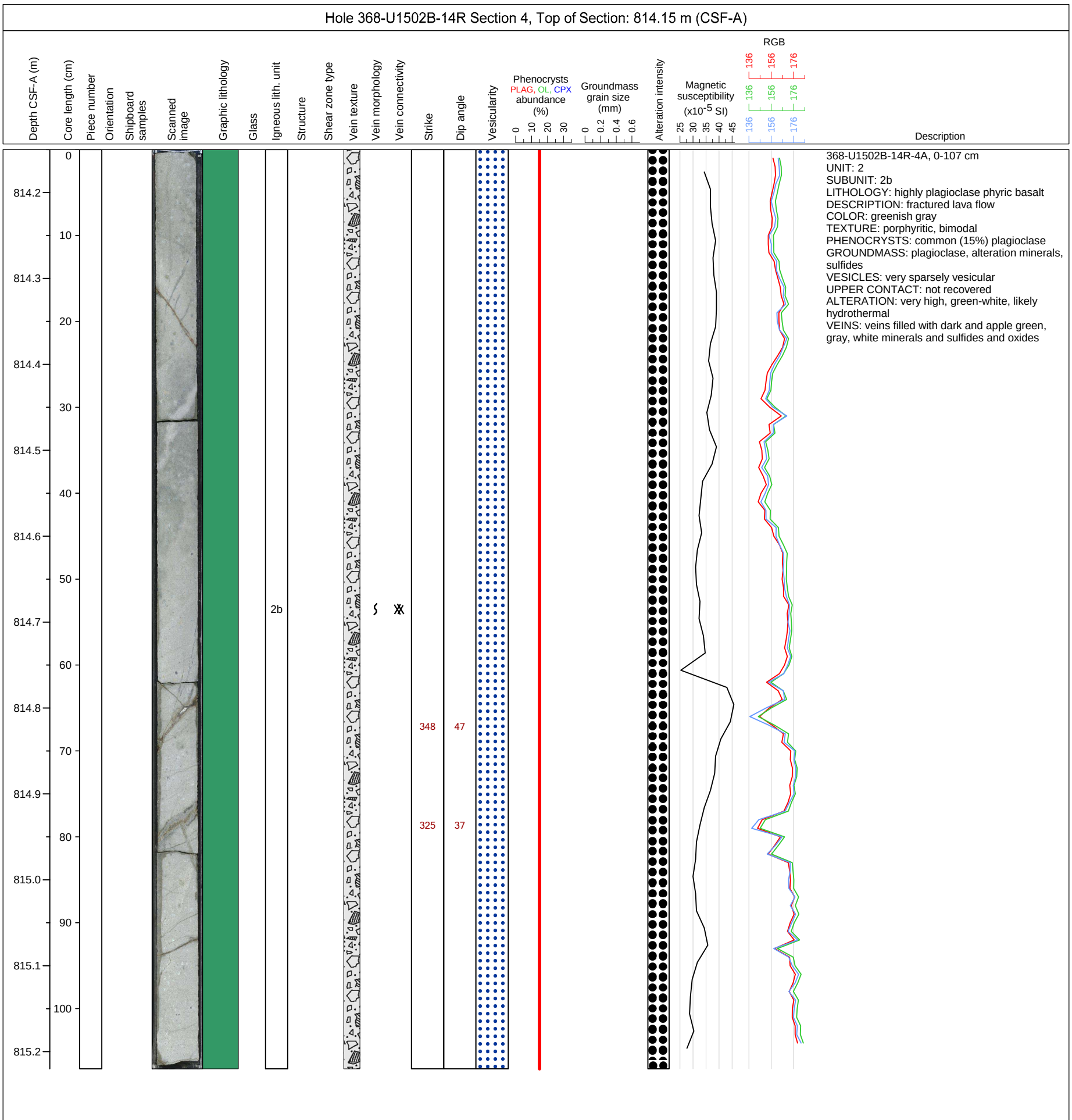
Hole 368-U1502B-14R Section 2, Top of Section: 811.87 m (CSF-A)



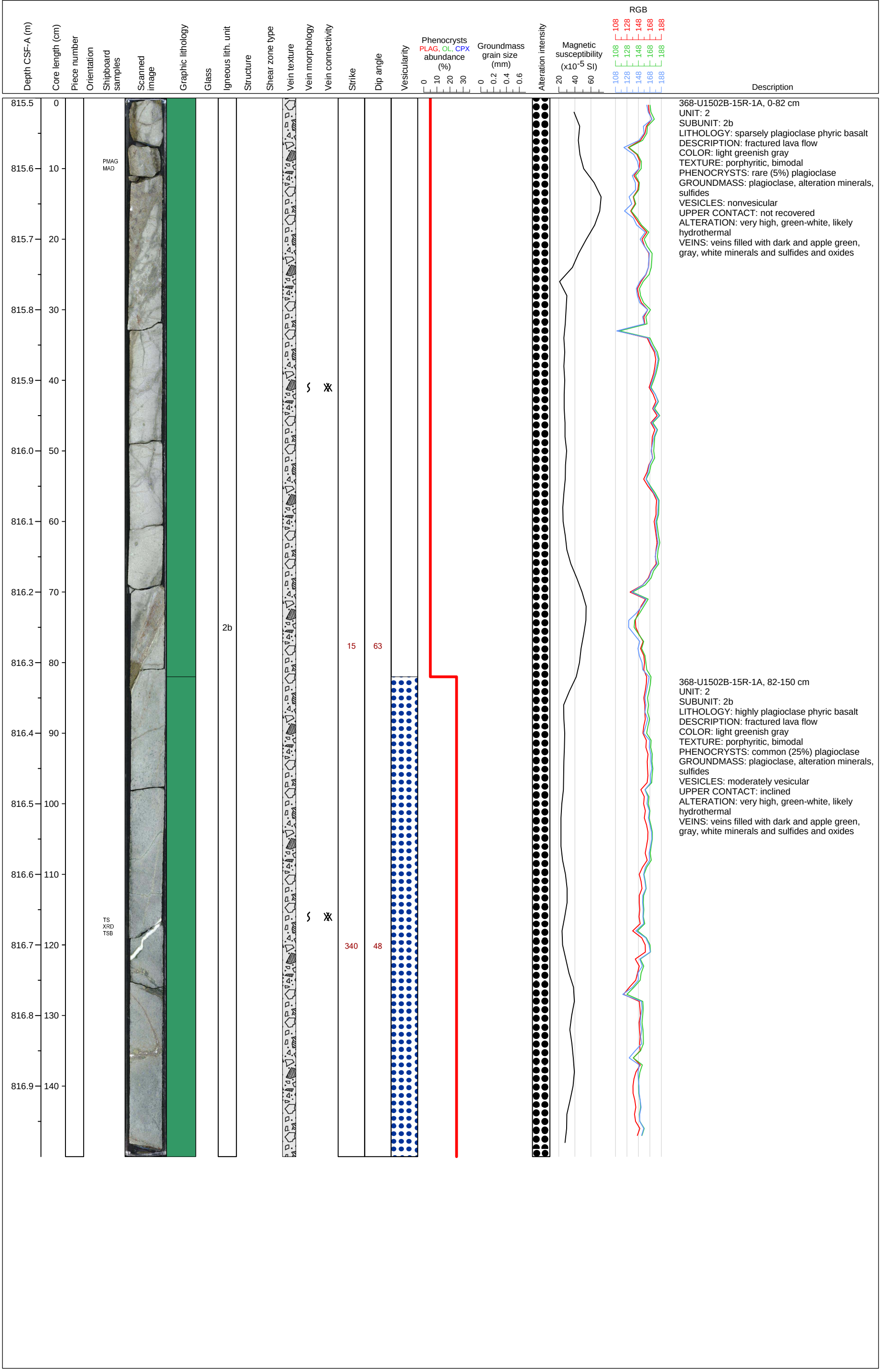
368-U1502B-14R-2A, 0-14 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured lava flow
COLOR: greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: very sparsely vesicular
UPPER CONTACT: gradual
ALTERATION: very high, green-white, likely hydrothermal
VEINS: veins filled with dark and apple green, gray, white minerals and sulfides

368-U1502B-14R-2A, 14-149 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: highly plagioclase phyric basalt
DESCRIPTION: fractured lava flow
COLOR: greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: abundant (30%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: very sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, likely hydrothermal
VEINS: veins filled with dark and apple green, gray, white minerals and sulfides

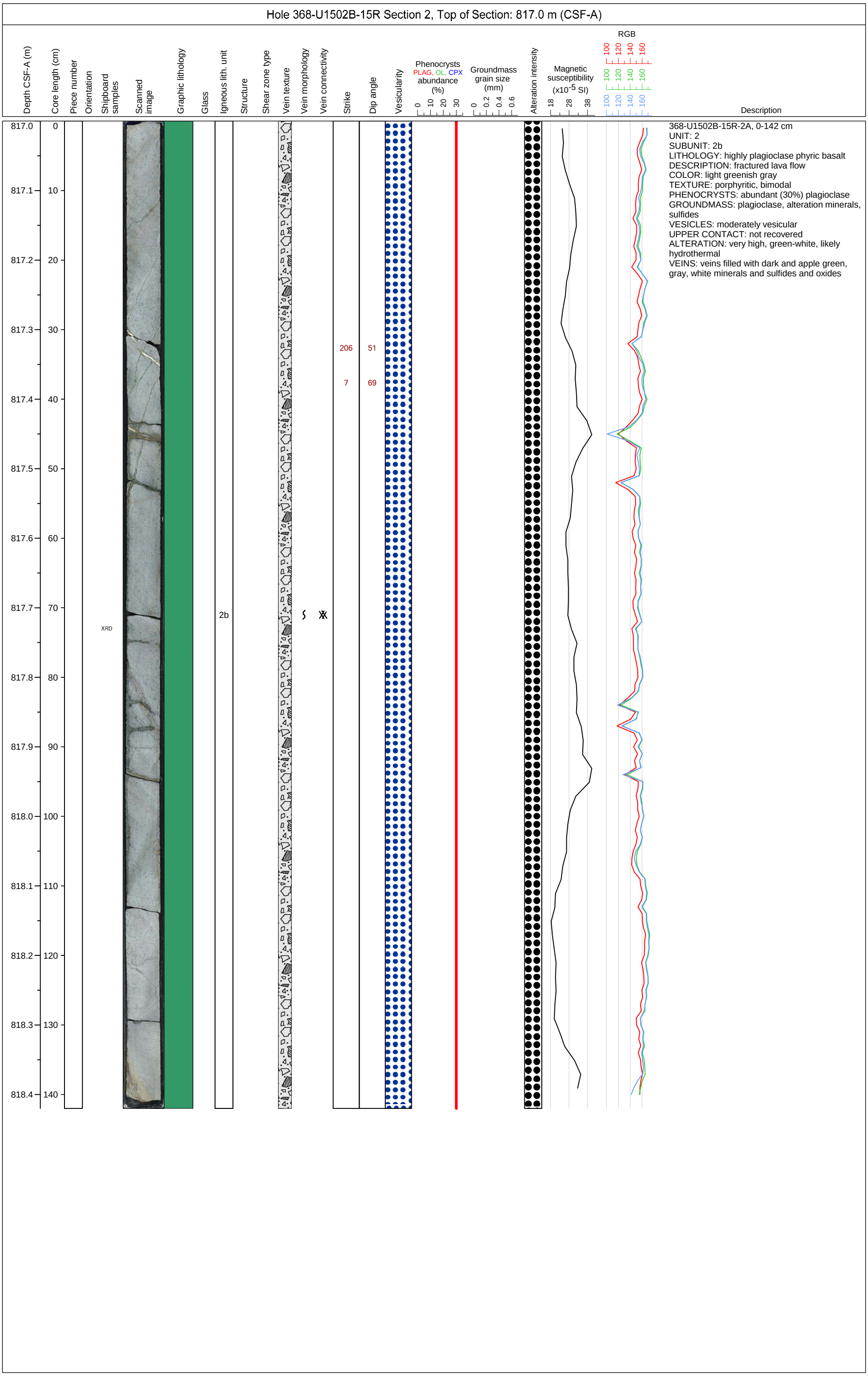

Hole 368-U1502B-14R Section 3, Top of Section: 813.36 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
813.4
813.5
813.6
813.7
813.8
813.9
814.0
814.1
0
10
20
30
40
50
60
70
MAD
PMAG
2b
fr
178
64
368-U1502B-14R-3A, 0-36 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: highly plagioclase phyric basalt
DESCRIPTION: fractured lava flow
COLOR: greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: abundant (30%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: very sparsely vesicular
UPPER CONTACT: inclined
ALTERATION: very high, green-white, likely hydrothermal
VEINS: veins filled with dark and apple green, gray, white minerals and sulfides
368-U1502B-14R-3A, 36-79 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: highly plagioclase phyric basalt
DESCRIPTION: fractured lava flow
COLOR: greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: common (20%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: very sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, likely hydrothermal
VEINS: veins filled with dark and apple green, gray, white minerals and sulfides


Hole 368-U1502B-14R Section 4, Top of Section: 814.15 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
814.2
814.3
814.4
814.5
814.6
814.7
814.8
814.9
815.0
815.1
815.2
0
10
20
30
40
50
60
70
80
90
100
2b
348
47
325
37
368-U1502B-14R-4A, 0-107 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: highly plagioclase phyric basalt
DESCRIPTION: fractured lava flow
COLOR: greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: common (15%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: very sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, likely hydrothermal
VEINS: veins filled with dark and apple green, gray, white minerals and sulfides and oxides

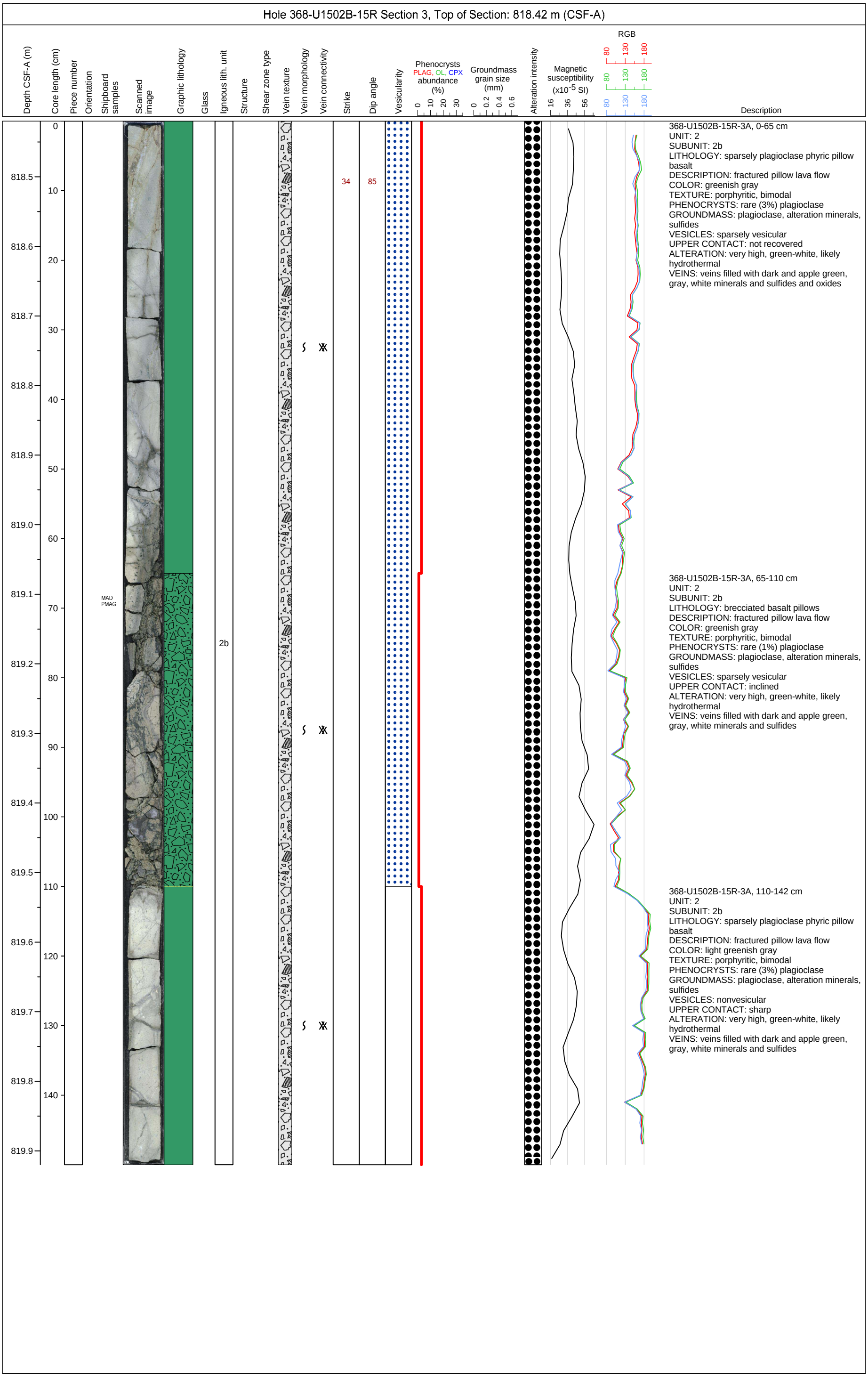
Hole 368-U1502B-15R Section 1, Top of Section: 815.5 m (CSF-A)



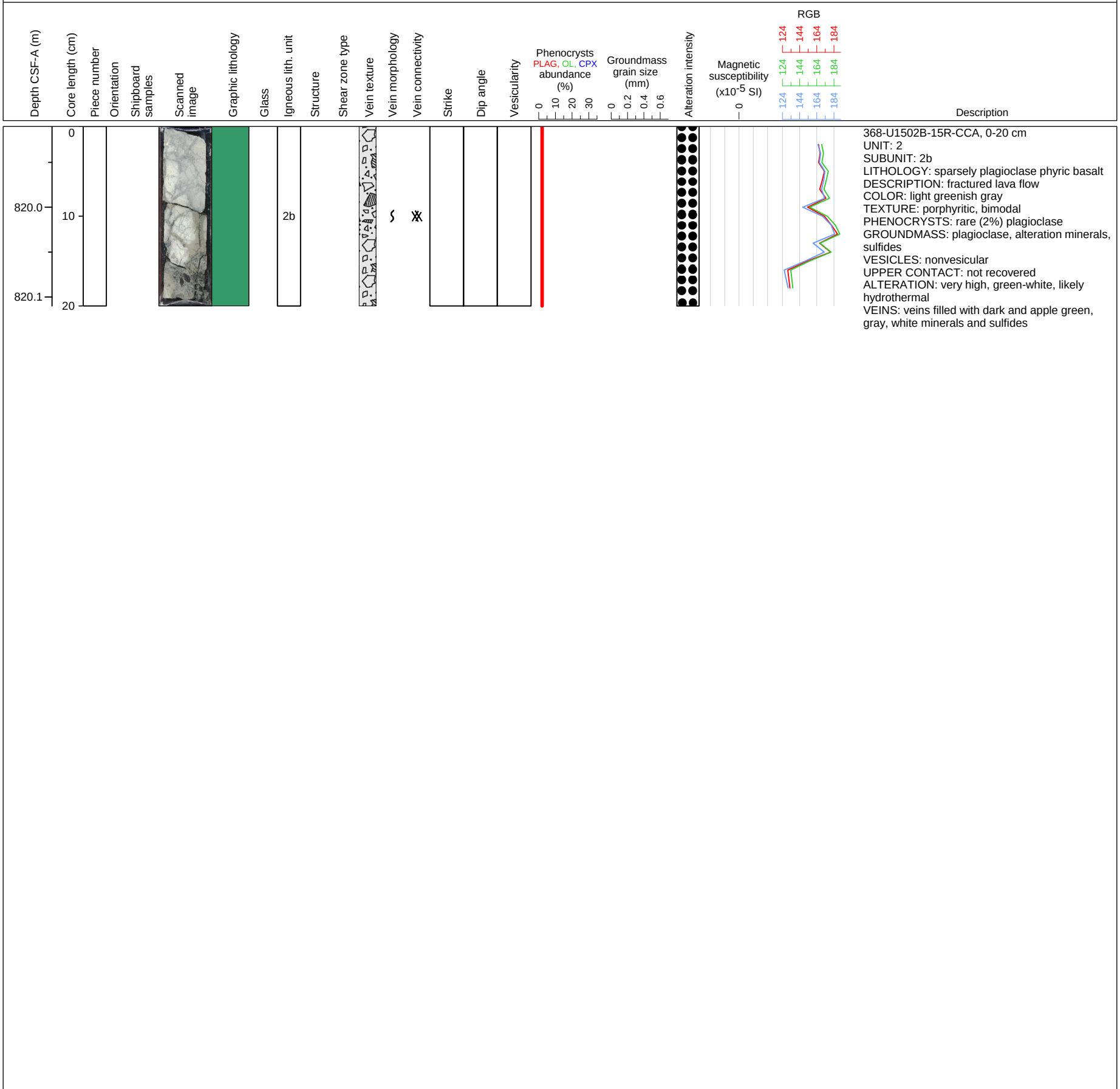
Hole 368-U1502B-15R Section 2, Top of Section: 817.0 m (CSF-A)



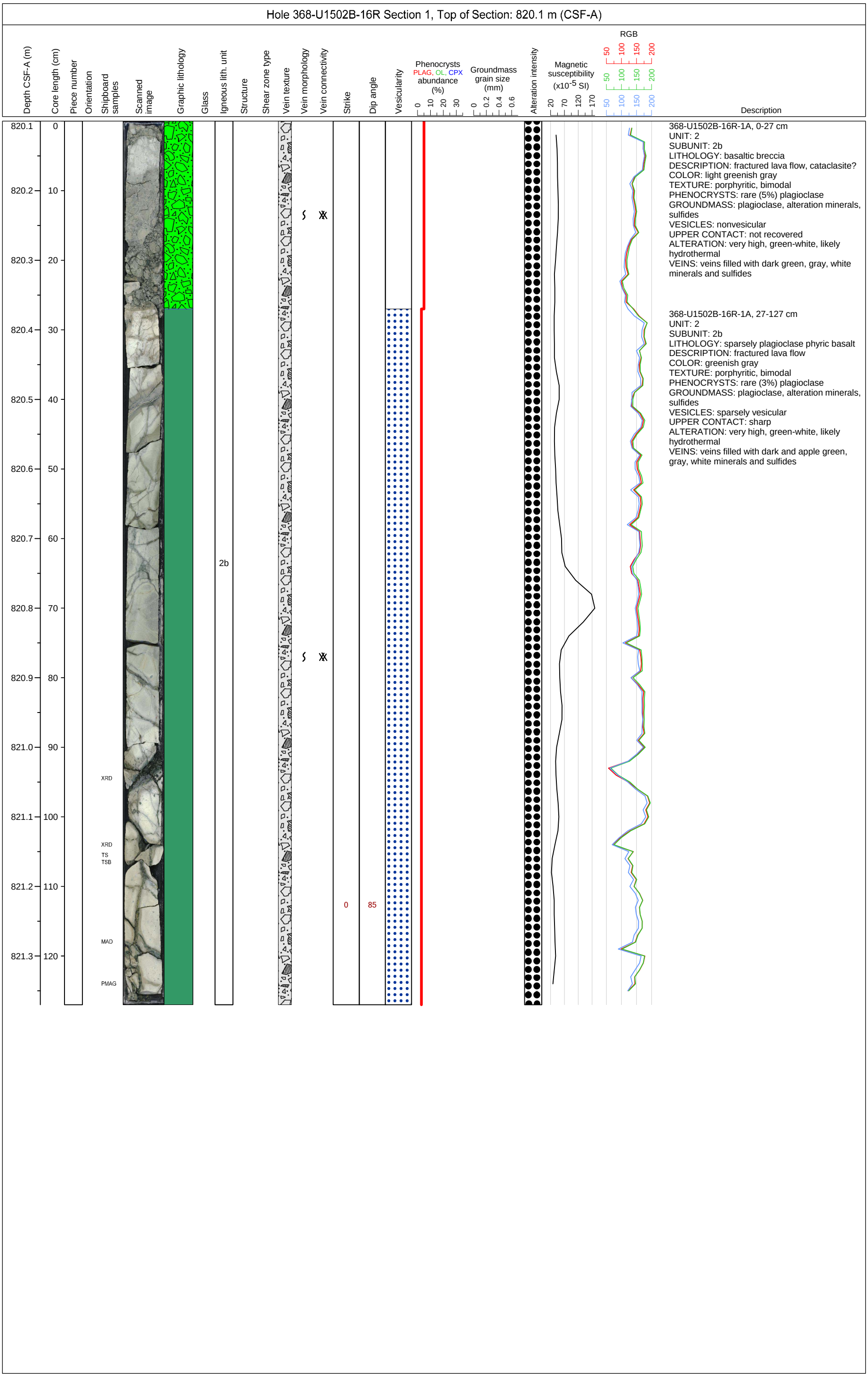
Hole 368-U1502B-15R Section 3, Top of Section: 818.42 m (CSF-A)



Hole 368-U1502B-15R Section CC, Top of Section: 819.92 m (CSF-A)



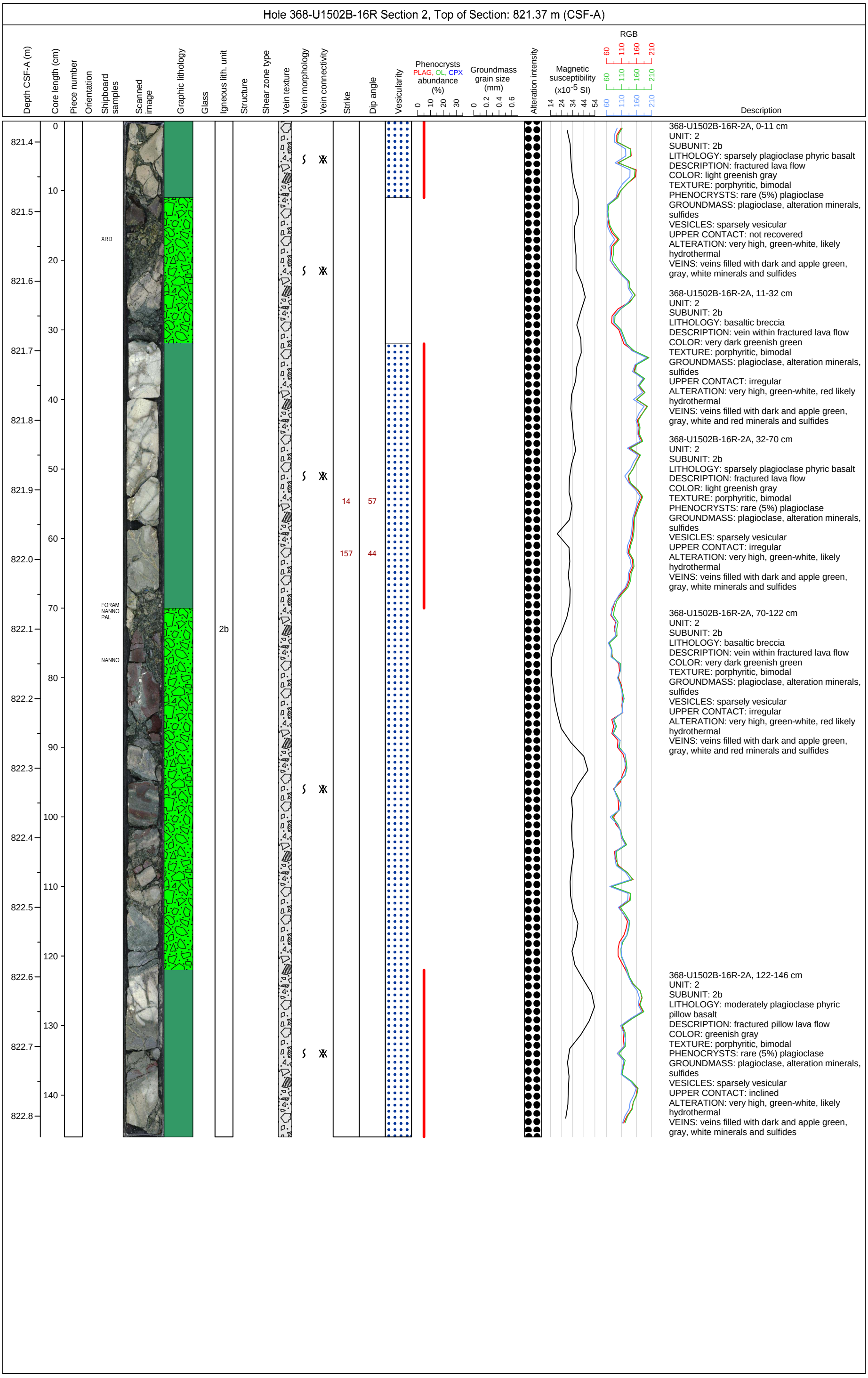
Hole 368-U1502B-16R Section 1, Top of Section: 820.1 m (CSF-A)



368-U1502B-16R-1A, 0-27 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: basaltic breccia
DESCRIPTION: fractured lava flow, cataclasite?
COLOR: light greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, likely hydrothermal
VEINS: veins filled with dark green, gray, white minerals and sulfides

368-U1502B-16R-1A, 27-127 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured lava flow
COLOR: greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: sharp
ALTERATION: very high, green-white, likely hydrothermal
VEINS: veins filled with dark and apple green, gray, white minerals and sulfides

Hole 368-U1502B-16R Section 2, Top of Section: 821.37 m (CSF-A)



368-U1502B-16R-2A, 0-11 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured lava flow
COLOR: light greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, likely hydrothermal
VEINS: veins filled with dark and apple green, gray, white minerals and sulfides

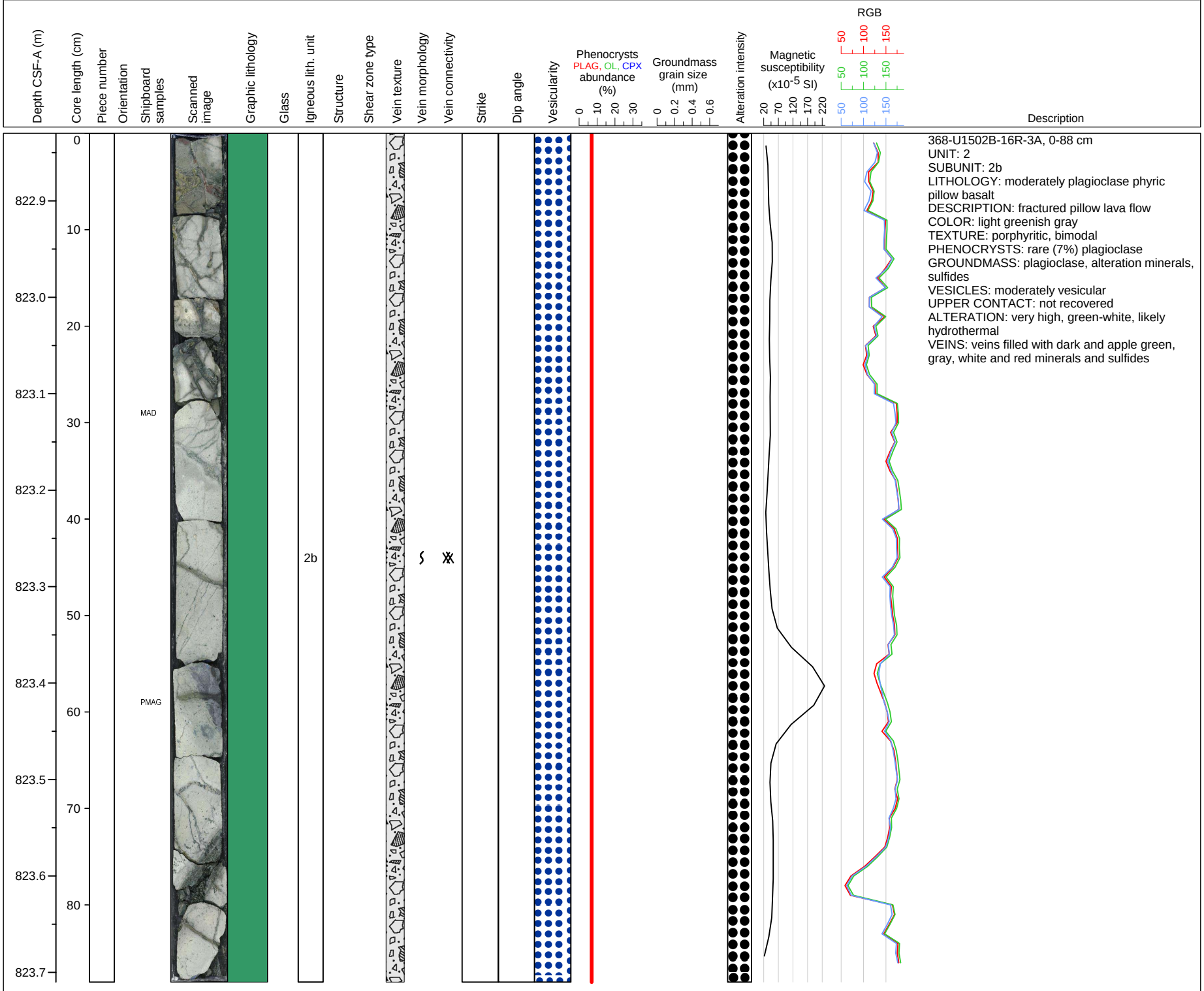
368-U1502B-16R-2A, 11-32 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: basaltic breccia
DESCRIPTION: vein within fractured lava flow
COLOR: very dark greenish green
TEXTURE: porphyritic, bimodal
GROUNDMASS: plagioclase, alteration minerals, sulfides
UPPER CONTACT: irregular
ALTERATION: very high, green-white, red likely hydrothermal
VEINS: veins filled with dark and apple green, gray, white and red minerals and sulfides

368-U1502B-16R-2A, 32-70 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured lava flow
COLOR: light greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: irregular
ALTERATION: very high, green-white, likely hydrothermal
VEINS: veins filled with dark and apple green, gray, white minerals and sulfides

368-U1502B-16R-2A, 70-122 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: basaltic breccia
DESCRIPTION: vein within fractured lava flow
COLOR: very dark greenish green
TEXTURE: porphyritic, bimodal
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: irregular
ALTERATION: very high, green-white, red likely hydrothermal
VEINS: veins filled with dark and apple green, gray, white and red minerals and sulfides

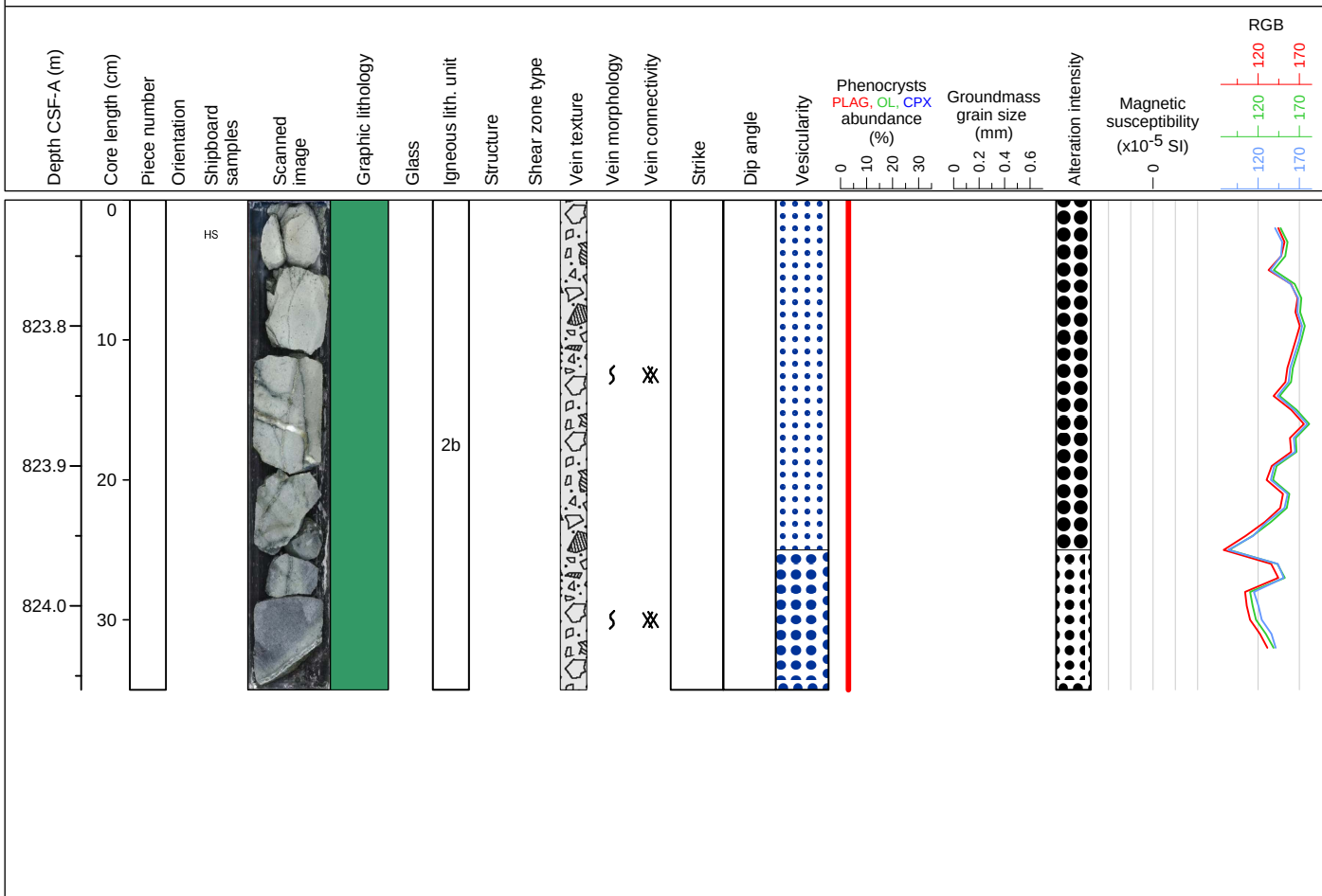
368-U1502B-16R-2A, 122-146 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric pillow basalt
DESCRIPTION: fractured pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: inclined
ALTERATION: very high, green-white, likely hydrothermal
VEINS: veins filled with dark and apple green, gray, white minerals and sulfides

Hole 368-U1502B-16R Section 3, Top of Section: 822.83 m (CSF-A)



368-U1502B-16R-3A, 0-88 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric pillow basalt
DESCRIPTION: fractured pillow lava flow
COLOR: light greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (7%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: moderately vesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, likely hydrothermal
VEINS: veins filled with dark and apple green, gray, white and red minerals and sulfides

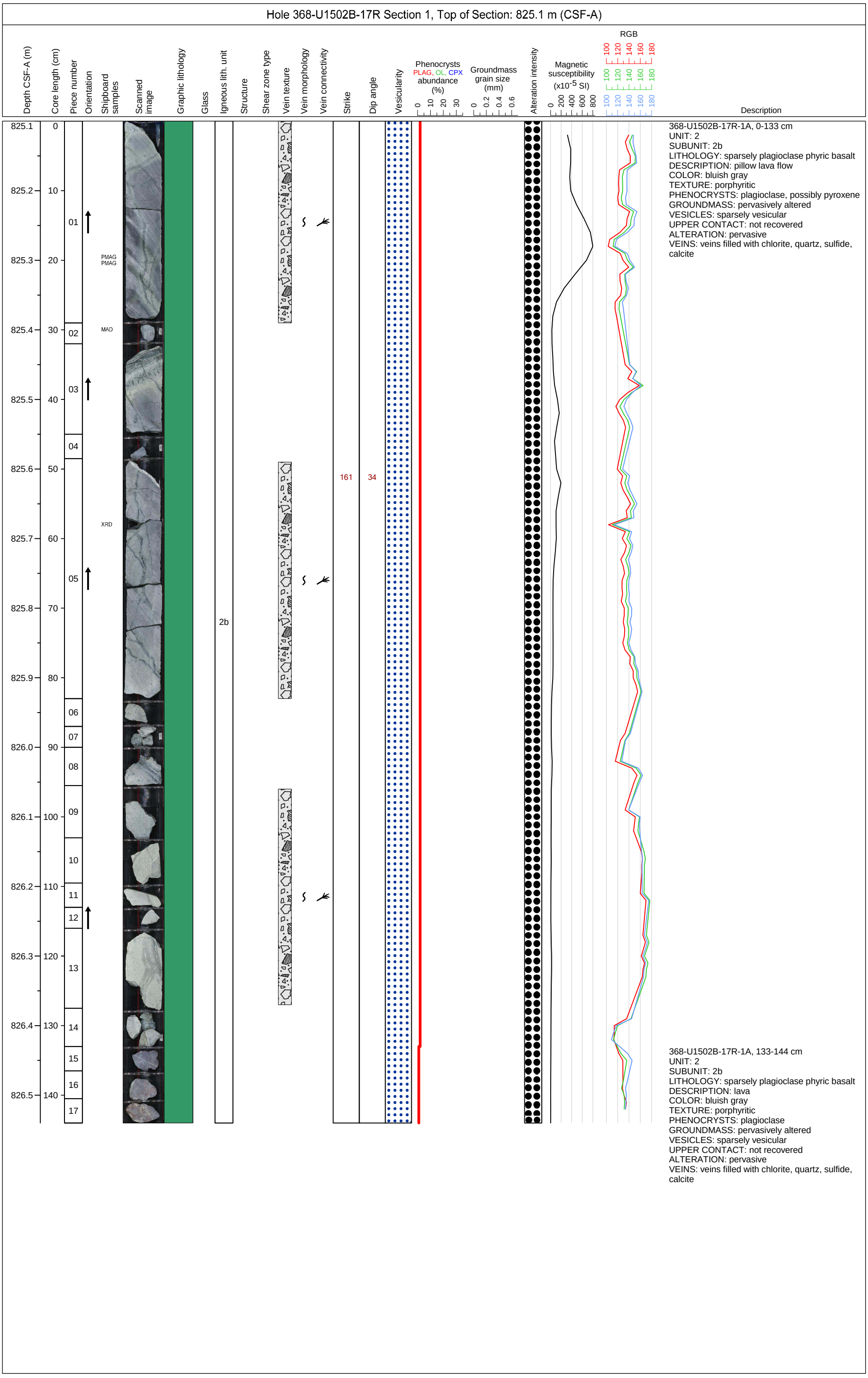
Hole 368-U1502B-16R Section CC, Top of Section: 823.71 m (CSF-A)



368-U1502B-16R-CCA, 0-25 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric pillow basalt
DESCRIPTION: fractured pillow lava flow
COLOR: light greenish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: very high, green-white, likely hydrothermal
VEINS: veins filled with dark green, gray, white minerals and sulfides

368-U1502B-16R-CCA, 25-35 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric pillow basalt
DESCRIPTION: fractured pillow lava flow
COLOR: dark bluish gray
TEXTURE: porphyritic, bimodal
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: plagioclase, alteration minerals, sulfides
VESICLES: moderately vesicular
UPPER CONTACT: gradual
ALTERATION: moderate (?) green-white, likely hydrothermal
VEINS: veins filled with dark green, gray, white minerals.

Hole 368-U1502B-17R Section 1, Top of Section: 825.1 m (CSF-A)



368-U1502B-17R-1A, 0-133 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: pillow lava flow
COLOR: bluish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase, possibly pyroxene
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive
VEINS: veins filled with chlorite, quartz, sulfide, calcite

368-U1502B-17R-1A, 133-144 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: lava
COLOR: bluish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive
VEINS: veins filled with chlorite, quartz, sulfide, calcite

Hole 368-U1502B-17R Section 2, Top of Section: 826.54 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Groundmass grain size (mm) | Alteration intensity | Magnetic susceptibility (x10^{-5} SI) | RGB | Description

826.6 | 0 | 01 | PMAG PMAG | 2b

368-U1502B-17R-2A, 0-21 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: lava
COLOR: light greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase, possibly pyroxene
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive
VEINS: veins filled with chlorite, quartz, sulfide, calcite

826.7 | 20 | 02

826.8 | 30 | 03

368-U1502B-17R-2A, 21-103 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: lava
COLOR: light greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase, possibly pyroxene
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive
VEINS: veins filled with chlorite, quartz, sulfide, calcite

826.9 | 40 | 03 | 04

827.0 | 50 | 04

827.1 | 60 | 05

827.2 | 70 | 06

827.3 | 80 | 07

827.4 | 90 | 08

827.5 | 100 | 09 | 10

827.6 | 110 | 10 | 11

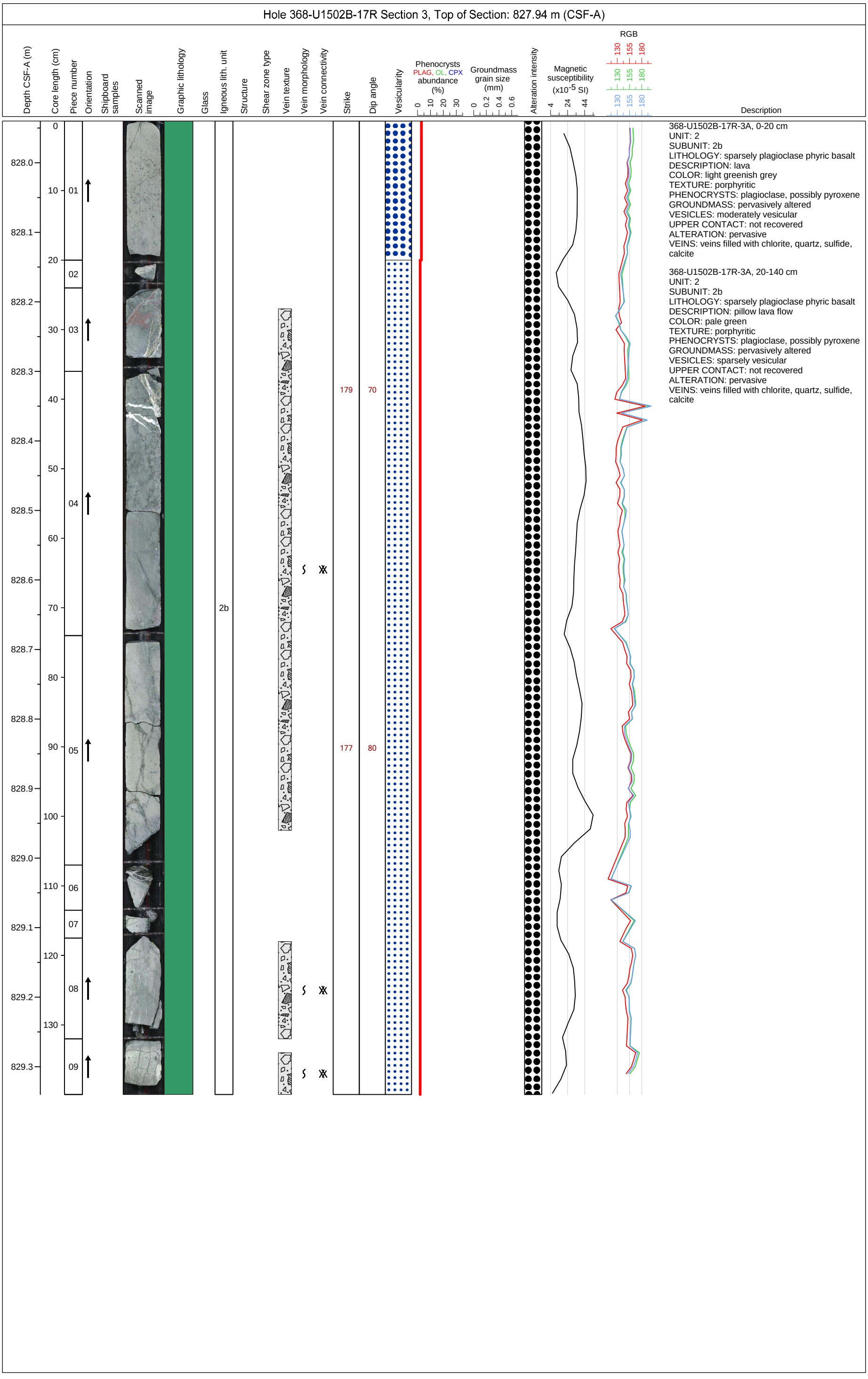
368-U1502B-17R-2A, 103-140 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: pillow lava
COLOR: light greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase, possibly pyroxene
GROUNDMASS: pervasively altered, including glass
VESICLES: sparsely vesicular
UPPER CONTACT: sharp upper contact
ALTERATION: pervasive
VEINS: veins filled with chlorite, quartz, sulfide, calcite

827.7 | 120 | 11

827.8 | 130 | 12

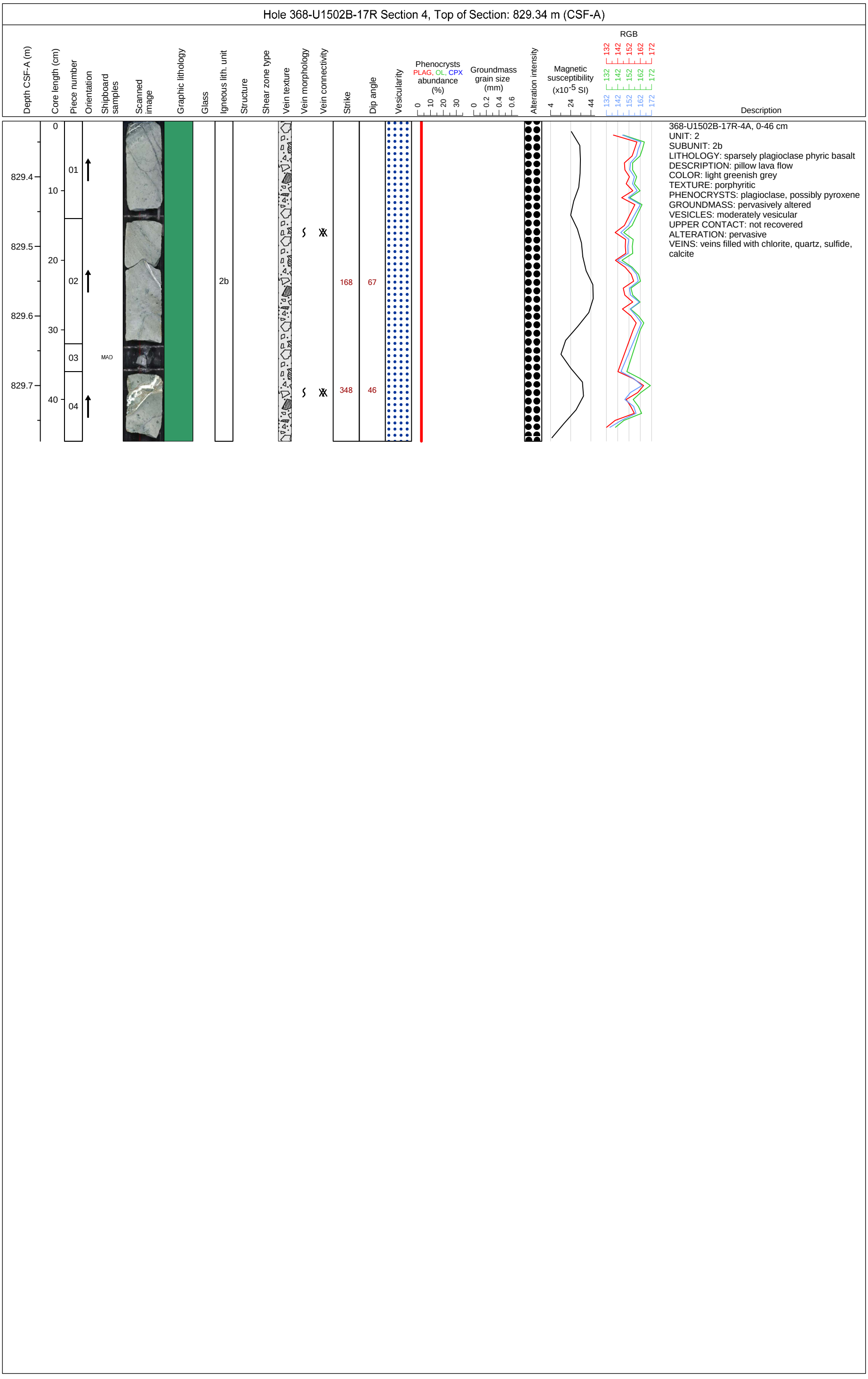
827.9

Hole 368-U1502B-17R Section 3, Top of Section: 827.94 m (CSF-A)

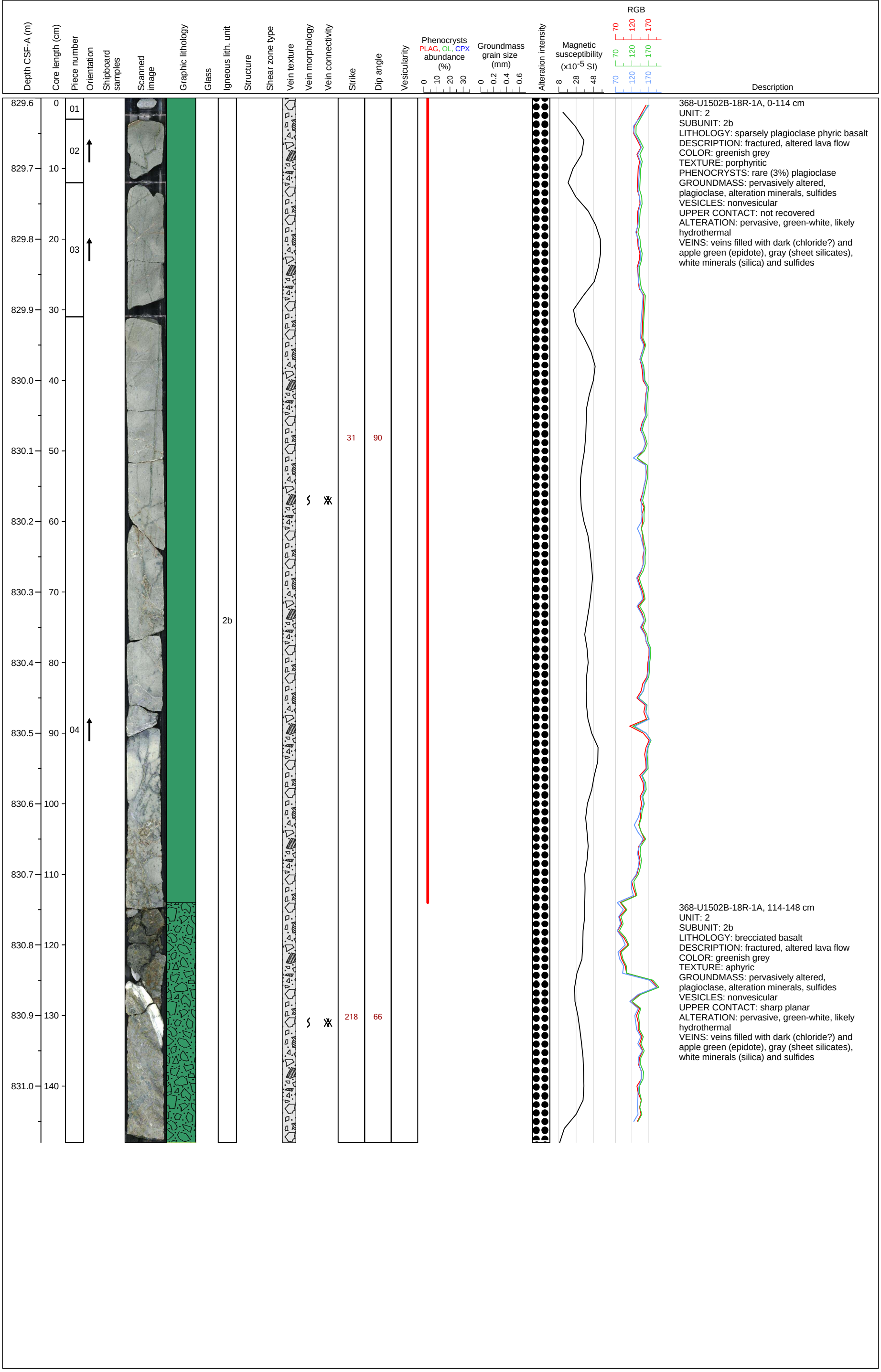


368-U1502B-17R-3A, 0-20 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: lava
COLOR: light greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase, possibly pyroxene
GROUNDMASS: pervasively altered
VESICLES: moderately vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive
VEINS: veins filled with chlorite, quartz, sulfide, calcite

368-U1502B-17R-3A, 20-140 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: pillow lava flow
COLOR: pale green
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase, possibly pyroxene
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive
VEINS: veins filled with chlorite, quartz, sulfide, calcite


Hole 368-U1502B-17R Section 4, Top of Section: 829.34 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
829.4
829.5
829.6
829.7
0
10
20
30
40
01
02
03
04
MAD
2b
168
67
348
46
0
10
30
0.2
0.4
0.6
4
24
44
132
142
152
162
172
368-U1502B-17R-4A, 0-46 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: pillow lava flow
COLOR: light greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase, possibly pyroxene
GROUNDMASS: pervasively altered
VESICLES: moderately vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive
VEINS: veins filled with chlorite, quartz, sulfide, calcite

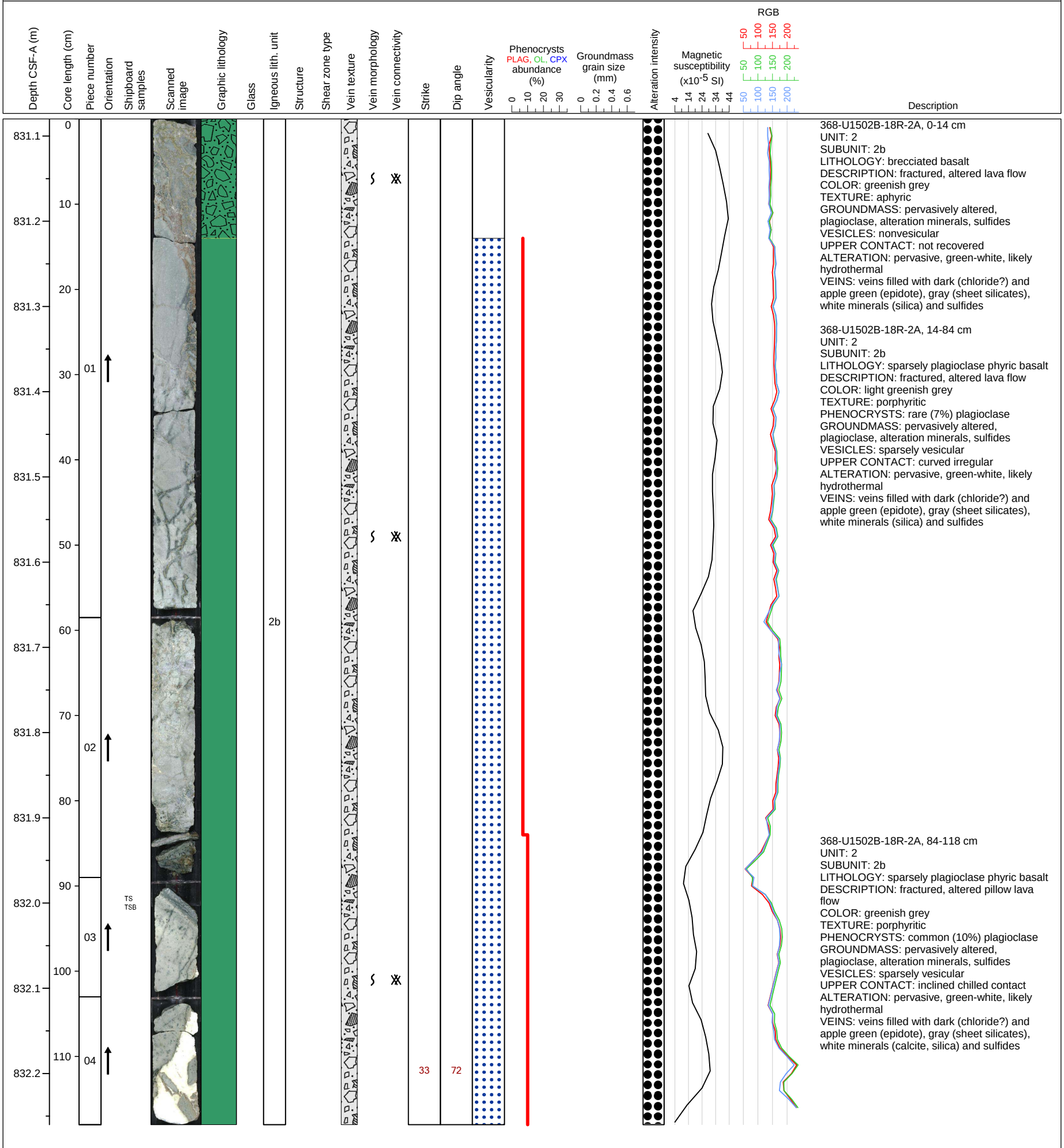
Hole 368-U1502B-18R Section 1, Top of Section: 829.6 m (CSF-A)



368-U1502B-18R-1A, 0-114 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals, sulfides
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-white, likely hydrothermal
VEINS: veins filled with dark (chloride?) and apple green (epidote), gray (sheet silicates), white minerals (silica) and sulfides

368-U1502B-18R-1A, 114-148 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: brecciated basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish grey
TEXTURE: aphyric
GROUNDMASS: pervasively altered, plagioclase, alteration minerals, sulfides
VESICLES: nonvesicular
UPPER CONTACT: sharp planar
ALTERATION: pervasive, green-white, likely hydrothermal
VEINS: veins filled with dark (chloride?) and apple green (epidote), gray (sheet silicates), white minerals (silica) and sulfides

Hole 368-U1502B-18R Section 2, Top of Section: 831.08 m (CSF-A)

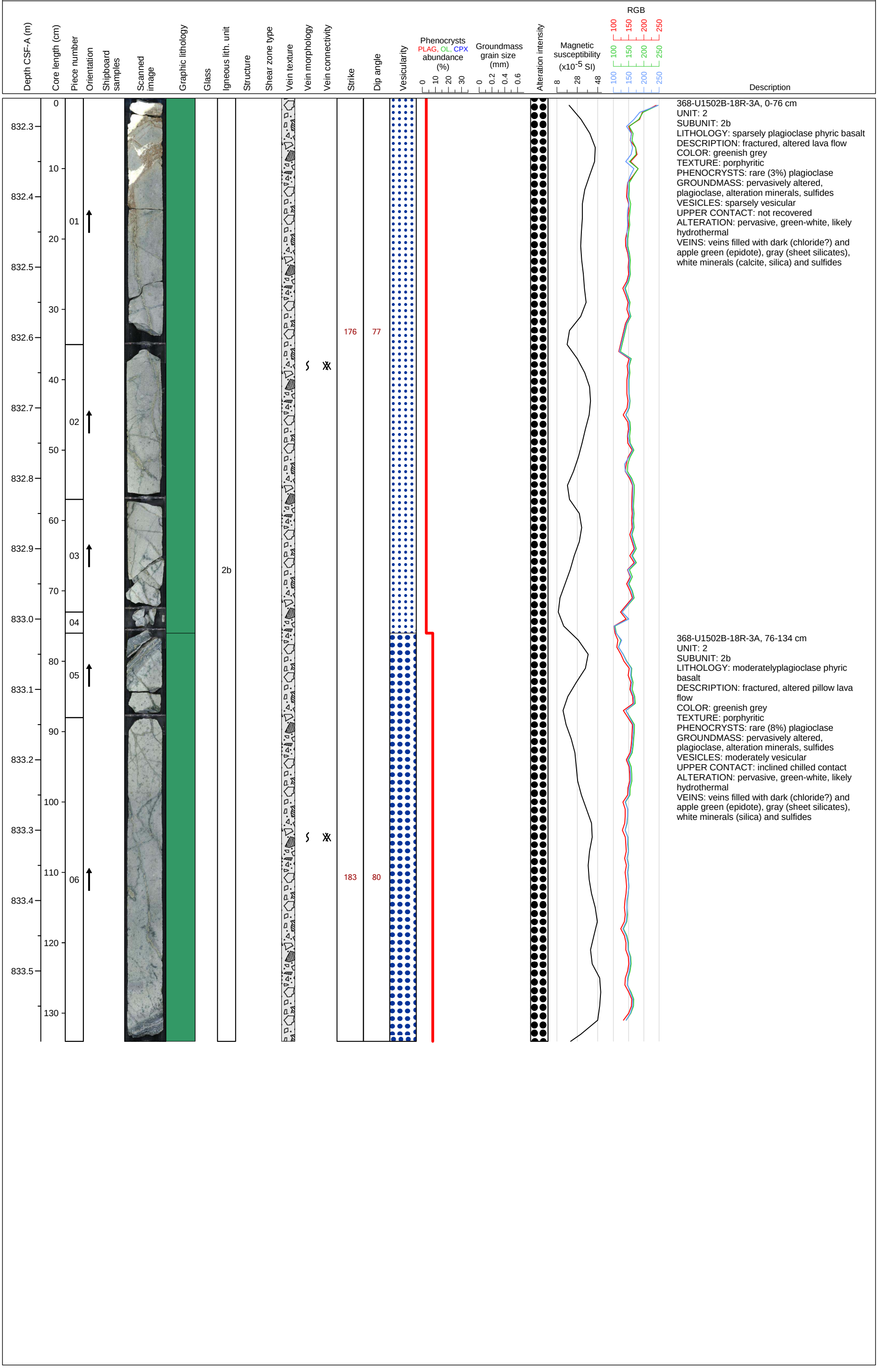


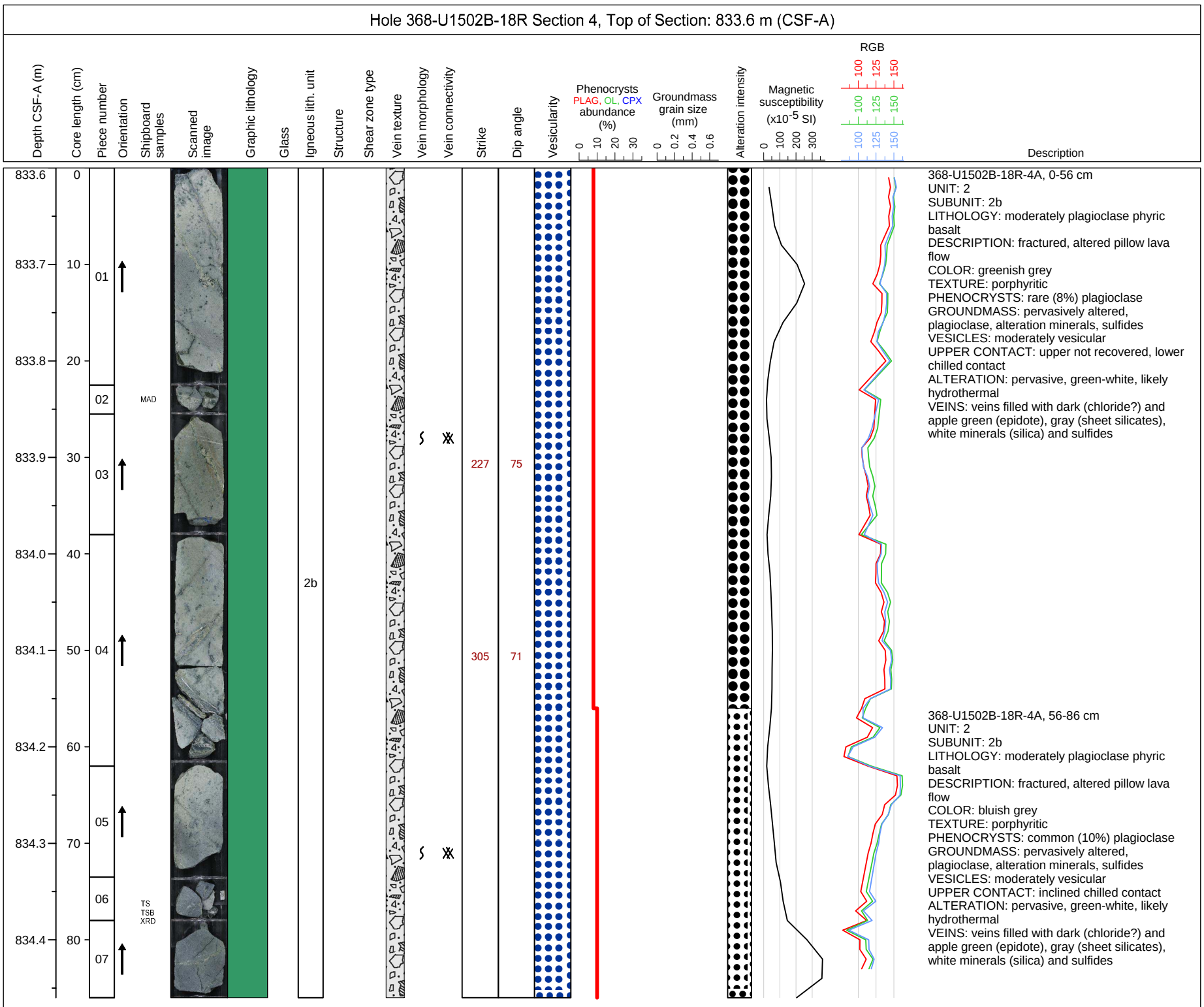
368-U1502B-18R-2A, 0-14 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: brecciated basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish grey
TEXTURE: aphyric
GROUNDMASS: pervasively altered, plagioclase, alteration minerals, sulfides
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-white, likely hydrothermal
VEINS: veins filled with dark (chloride?) and apple green (epidote), gray (sheet silicates), white minerals (silica) and sulfides

368-U1502B-18R-2A, 14-84 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: light greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: rare (7%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals, sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: curved irregular
ALTERATION: pervasive, green-white, likely hydrothermal
VEINS: veins filled with dark (chloride?) and apple green (epidote), gray (sheet silicates), white minerals (silica) and sulfides

368-U1502B-18R-2A, 84-118 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered pillow lava flow
COLOR: greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals, sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: inclined chilled contact
ALTERATION: pervasive, green-white, likely hydrothermal
VEINS: veins filled with dark (chloride?) and apple green (epidote), gray (sheet silicates), white minerals (calcite, silica) and sulfides

Hole 368-U1502B-18R Section 3, Top of Section: 832.26 m (CSF-A)




Hole 368-U1502B-18R Section 4, Top of Section: 833.6 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
833.6
833.7
833.8
833.9
834.0
834.1
834.2
834.3
834.4
0
10
20
30
40
50
60
70
80
01
02
03
04
05
06
07
MAD
TS
TSB
XRD
2b
227
75
305
71
368-U1502B-18R-4A, 0-56 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured, altered pillow lava flow
COLOR: greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: rare (8%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals, sulfides
VESICLES: moderately vesicular
UPPER CONTACT: upper not recovered, lower chilled contact
ALTERATION: pervasive, green-white, likely hydrothermal
VEINS: veins filled with dark (chloride?) and apple green (epidote), gray (sheet silicates), white minerals (silica) and sulfides
368-U1502B-18R-4A, 56-86 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured, altered pillow lava flow
COLOR: bluish grey
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals, sulfides
VESICLES: moderately vesicular
UPPER CONTACT: inclined chilled contact
ALTERATION: pervasive, green-white, likely hydrothermal
VEINS: veins filled with dark (chloride?) and apple green (epidote), gray (sheet silicates), white minerals (silica) and sulfides

Hole 368-U1502B-19R Section 1, Top of Section: 834.6 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) 0 10 20 30 | Groundmass grain size (mm) 0 0.2 0.4 0.6 | Alteration intensity | Magnetic susceptibility ($x10^{-5}$ SI) 0 500 1000 | RGB 65 90 115 140 165 65 90 115 140 165 65 90 115 140 165 | Description

834.6 0
834.7 10
834.8 20
834.9 30
835.0 40
835.1 50
835.2 60
835.3 70
835.4 80
835.5 90
835.6 100
835.7 110
835.8 120
835.9 130

01 02 03 04 05 06

TS TSB

XRD

2b

294 60

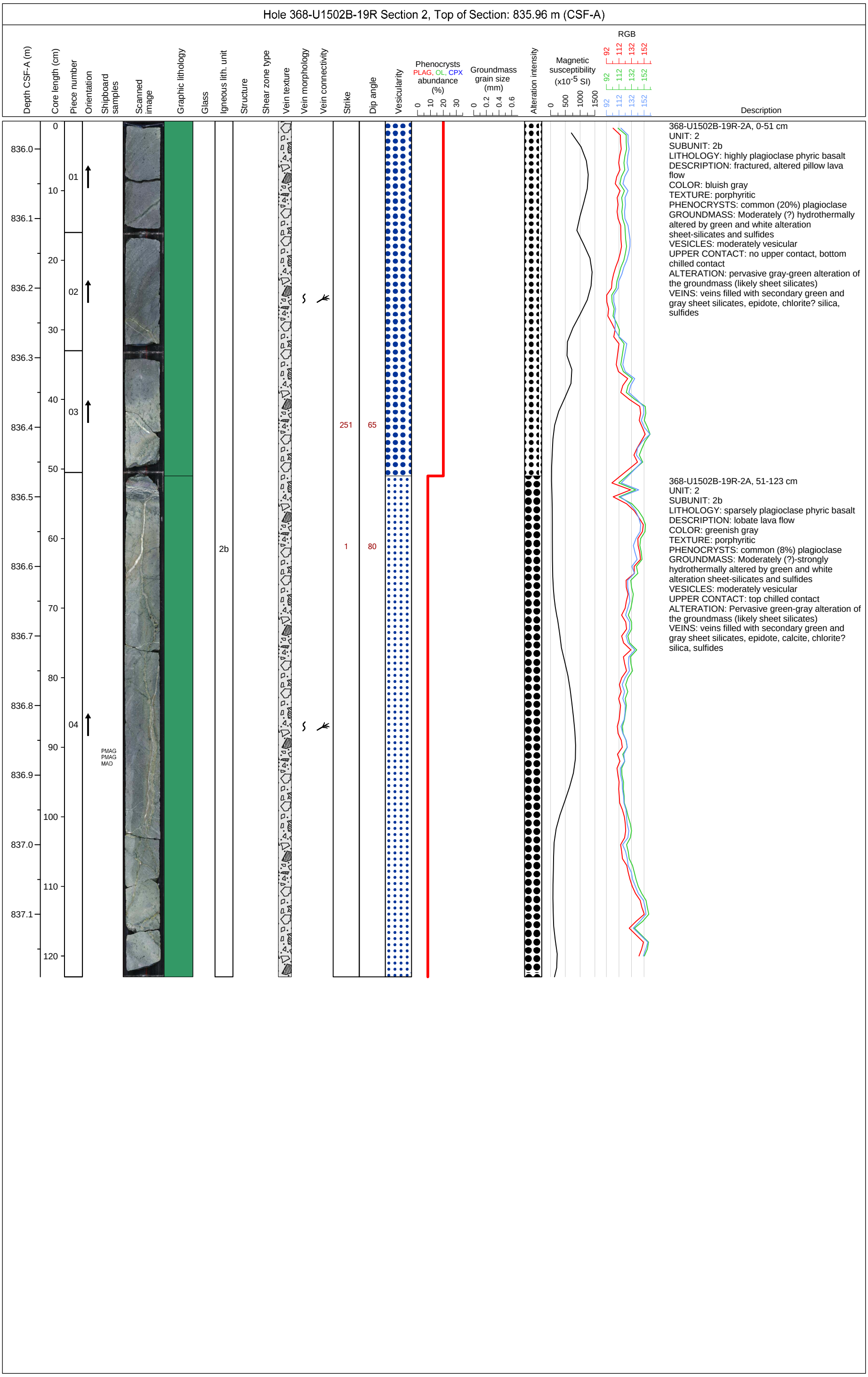
368-U1502B-19R-1A, 0-36 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: lava flow
COLOR: bluish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: Moderately (?) hydrothermally altered by green and white alteration sheet-silicates
VESICLES: sparsely vesicular
UPPER CONTACT: upper contact not recovered, chilled bottom contact
ALTERATION: Pervasive green-gray alteration of the groundmass (likely sheet silicates)
VEINS: veins filled with secondary green and gray sheet silicates, epidote, chlorite? silica, sulfides

368-U1502B-19R-1A, 36-92 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: Moderately (?)-strongly hydrothermally altered by green and white alteration sheet-silicates and sulfides
VESICLES: moderately vesicular
UPPER CONTACT: top chilled contact
ALTERATION: pervasive green-gray alteration of the groundmass (likely sheet silicates)
VEINS: veins filled with secondary green and gray sheet silicates, epidote, chlorite? silica, sulfides

368-U1502B-19R-1A, 92-122 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: Moderately (?)-strongly hydrothermally altered by green and white alteration sheet-silicates and sulfides
VESICLES: moderately vesicular
UPPER CONTACT: inclined chilled contact
ALTERATION: Pervasive green-gray alteration of the groundmass (likely sheet silicates)
VEINS: veins filled with secondary green and gray sheet silicates, epidote, chlorite? silica, sulfides

368-U1502B-19R-1A, 122-136 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: highly plagioclase phyric basalt
DESCRIPTION: pillow lava flow
COLOR: bluish grey
TEXTURE: porphyritic
PHENOCRYSTS: common (20%) plagioclase
GROUNDMASS: Strongly hydrothermally altered by green and white alteration sheet-silicates and sulfides
VESICLES: moderately vesicular
UPPER CONTACT: inclined chilled contact
ALTERATION: Pervasive green-gray alteration of the groundmass (likely sheet silicates)
VEINS: veins filled with secondary green and gray sheet silicates, epidote, chlorite? silica, sulfides

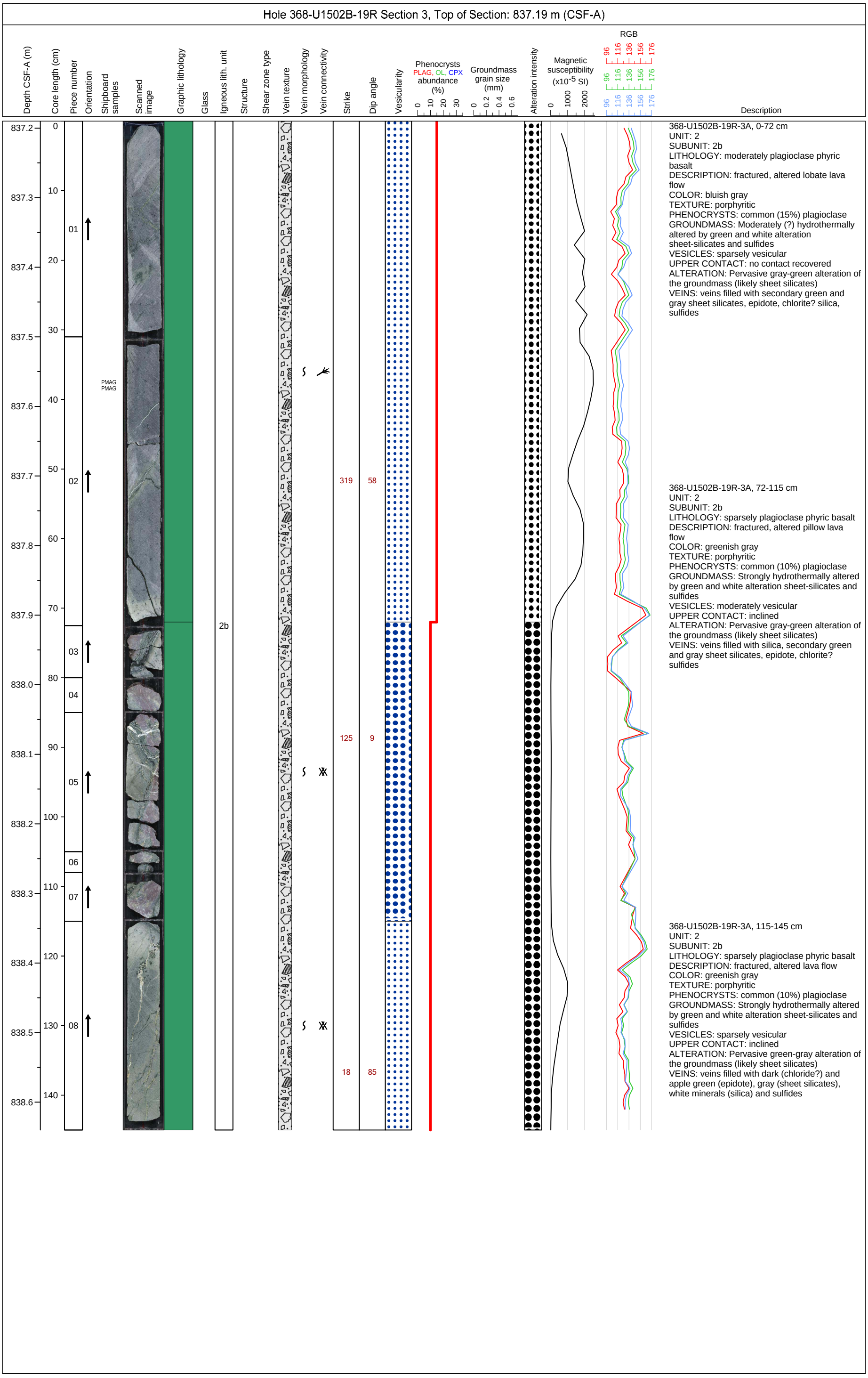
Hole 368-U1502B-19R Section 2, Top of Section: 835.96 m (CSF-A)



368-U1502B-19R-2A, 0-51 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: highly plagioclase phyric basalt
DESCRIPTION: fractured, altered pillow lava flow
COLOR: bluish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (20%) plagioclase
GROUNDMASS: Moderately (?) hydrothermally altered by green and white alteration sheet-silicates and sulfides
VESICLES: moderately vesicular
UPPER CONTACT: no upper contact, bottom chilled contact
ALTERATION: pervasive gray-green alteration of the groundmass (likely sheet silicates)
VEINS: veins filled with secondary green and gray sheet silicates, epidote, chlorite? silica, sulfides

368-U1502B-19R-2A, 51-123 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: lobate lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (8%) plagioclase
GROUNDMASS: Moderately (?)-strongly hydrothermally altered by green and white alteration sheet-silicates and sulfides
VESICLES: moderately vesicular
UPPER CONTACT: top chilled contact
ALTERATION: Pervasive green-gray alteration of the groundmass (likely sheet silicates)
VEINS: veins filled with secondary green and gray sheet silicates, epidote, calcite, chlorite? silica, sulfides

Hole 368-U1502B-19R Section 3, Top of Section: 837.19 m (CSF-A)

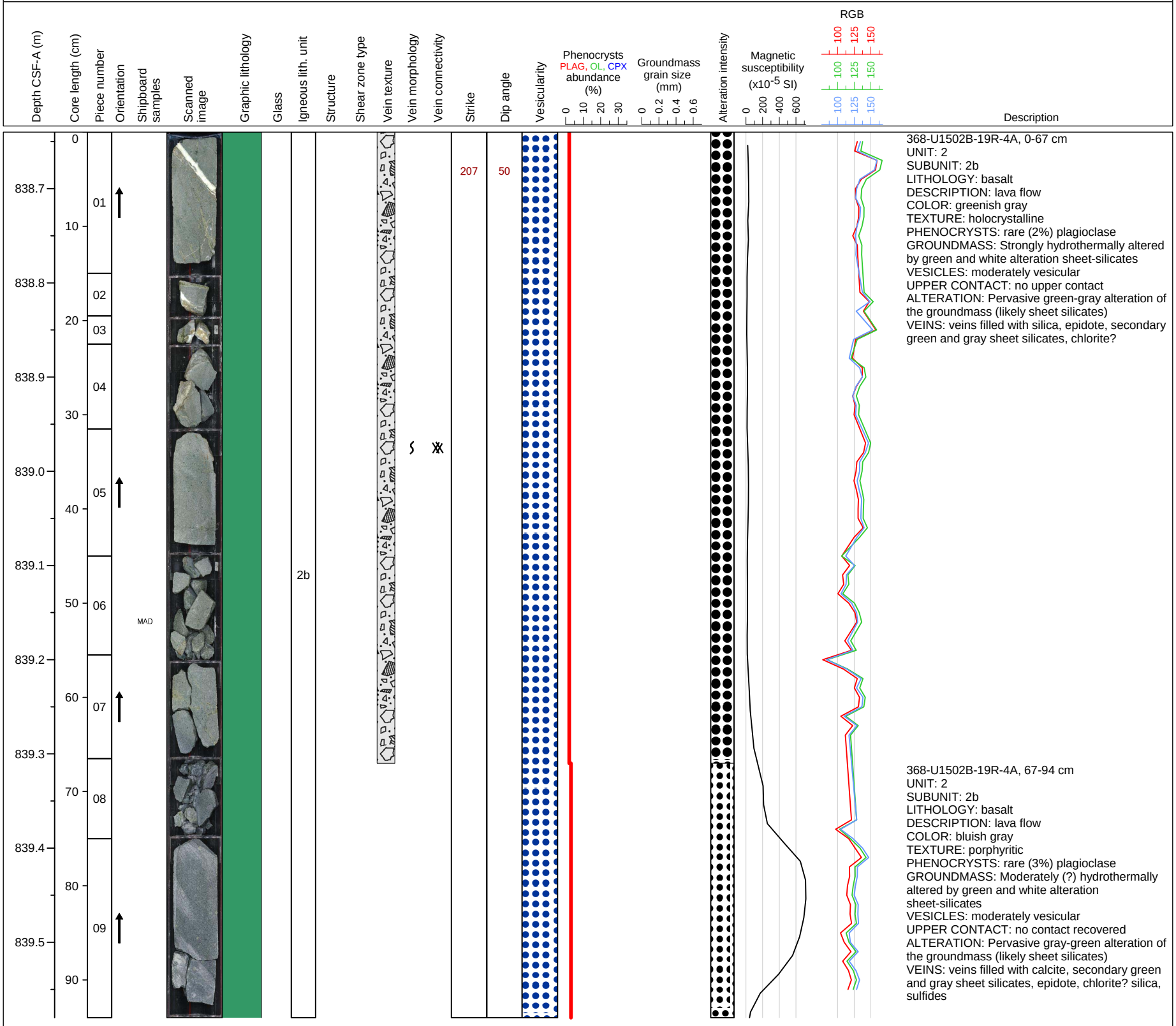


368-U1502B-19R-3A, 0-72 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured, altered lobate lava flow
COLOR: bluish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (15%) plagioclase
GROUNDMASS: Moderately (?) hydrothermally altered by green and white alteration sheet-silicates and sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: no contact recovered
ALTERATION: Pervasive gray-green alteration of the groundmass (likely sheet silicates)
VEINS: veins filled with secondary green and gray sheet silicates, epidote, chlorite? silica, sulfides

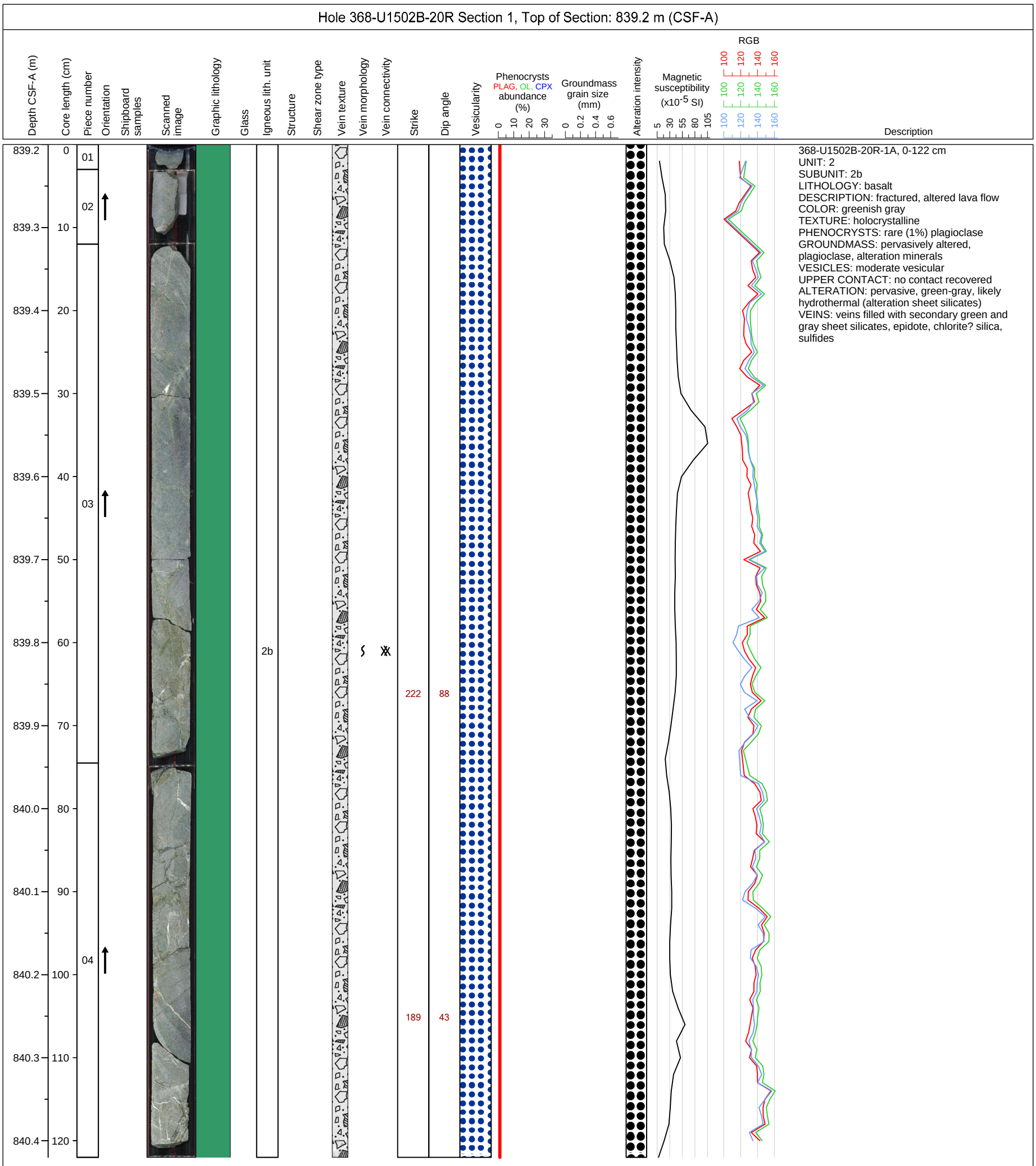
368-U1502B-19R-3A, 72-115 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: Strongly hydrothermally altered by green and white alteration sheet-silicates and sulfides
VESICLES: moderately vesicular
UPPER CONTACT: inclined
ALTERATION: Pervasive gray-green alteration of the groundmass (likely sheet silicates)
VEINS: veins filled with silica, secondary green and gray sheet silicates, epidote, chlorite? sulfides

368-U1502B-19R-3A, 115-145 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: Strongly hydrothermally altered by green and white alteration sheet-silicates and sulfides
VESICLES: sparsely vesicular
UPPER CONTACT: inclined
ALTERATION: Pervasive green-gray alteration of the groundmass (likely sheet silicates)
VEINS: veins filled with dark (chloride?) and apple green (epidote), gray (sheet silicates), white minerals (silica) and sulfides

Hole 368-U1502B-19R Section 4, Top of Section: 838.64 m (CSF-A)

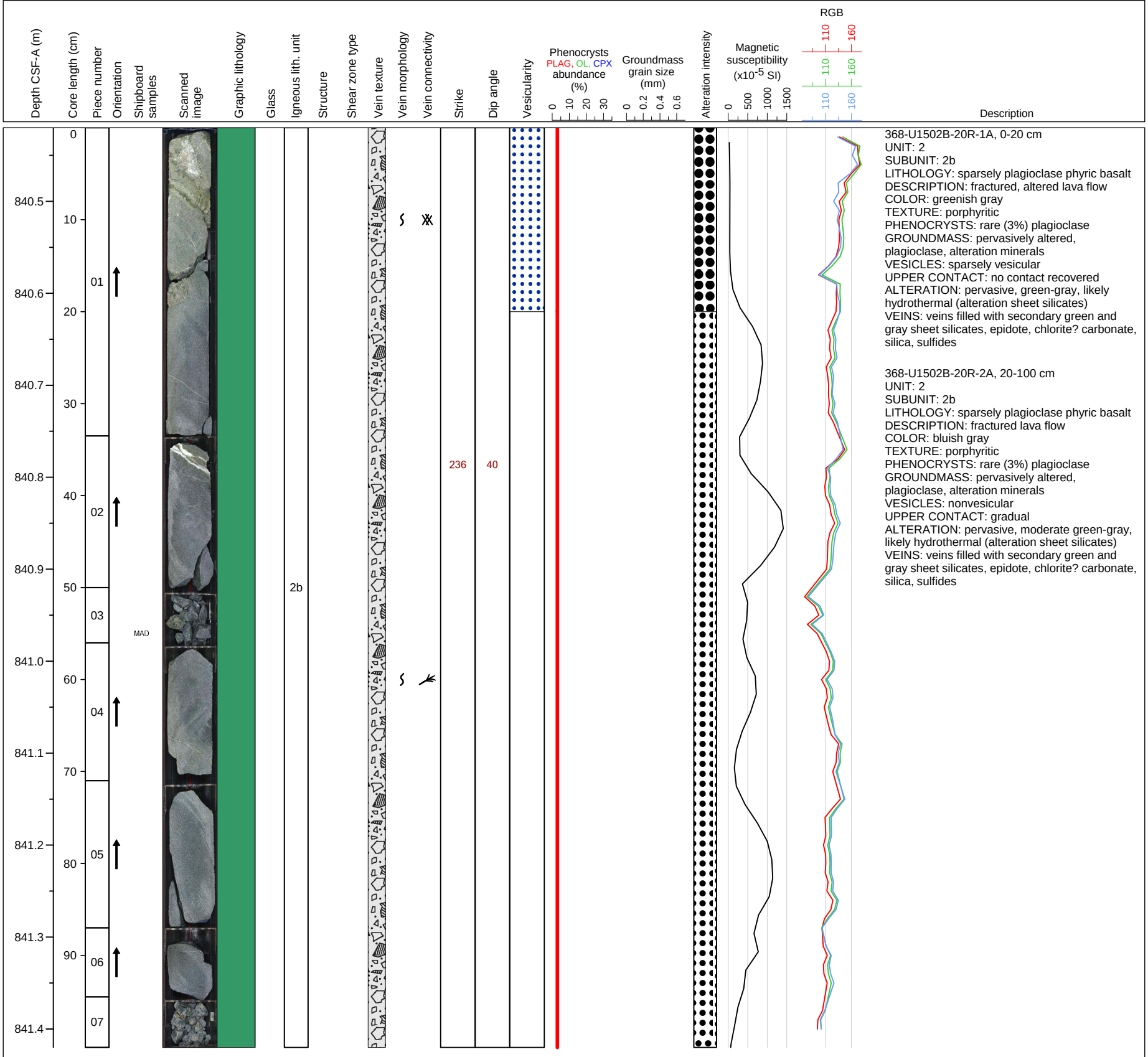


Hole 368-U1502B-20R Section 1, Top of Section: 839.2 m (CSF-A)



368-U1502B-20R-1A, 0-122 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: holocrystalline
PHENOCRYSTS: rare (1%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: moderate vesicular
UPPER CONTACT: no contact recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with secondary green and gray sheet silicates, epidote, chlorite? silica, sulfides

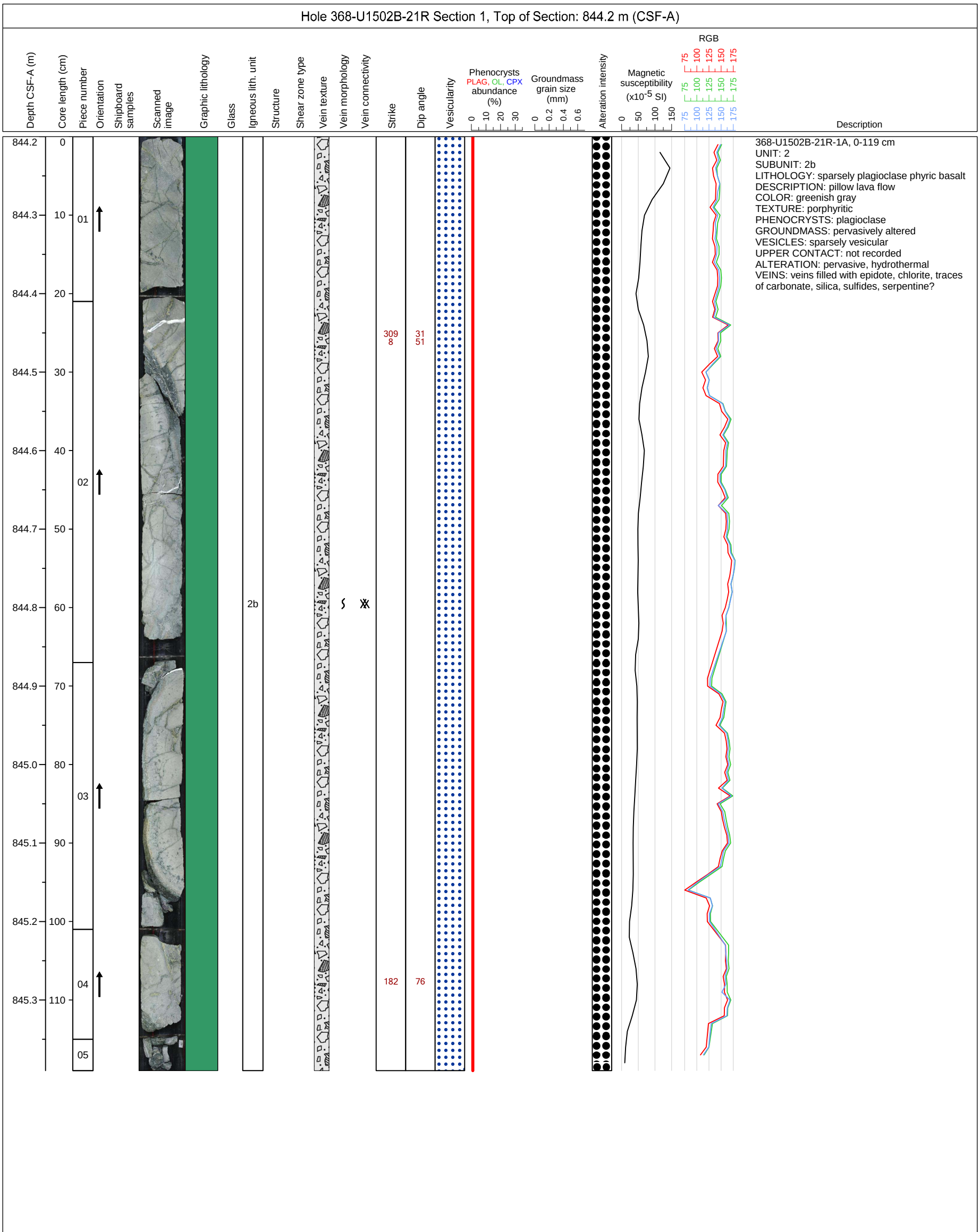
Hole 368-U1502B-20R Section 2, Top of Section: 840.42 m (CSF-A)



368-U1502B-20R-1A, 0-20 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: no contact recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with secondary green and gray sheet silicates, epidote, chlorite? carbonate, silica, sulfides

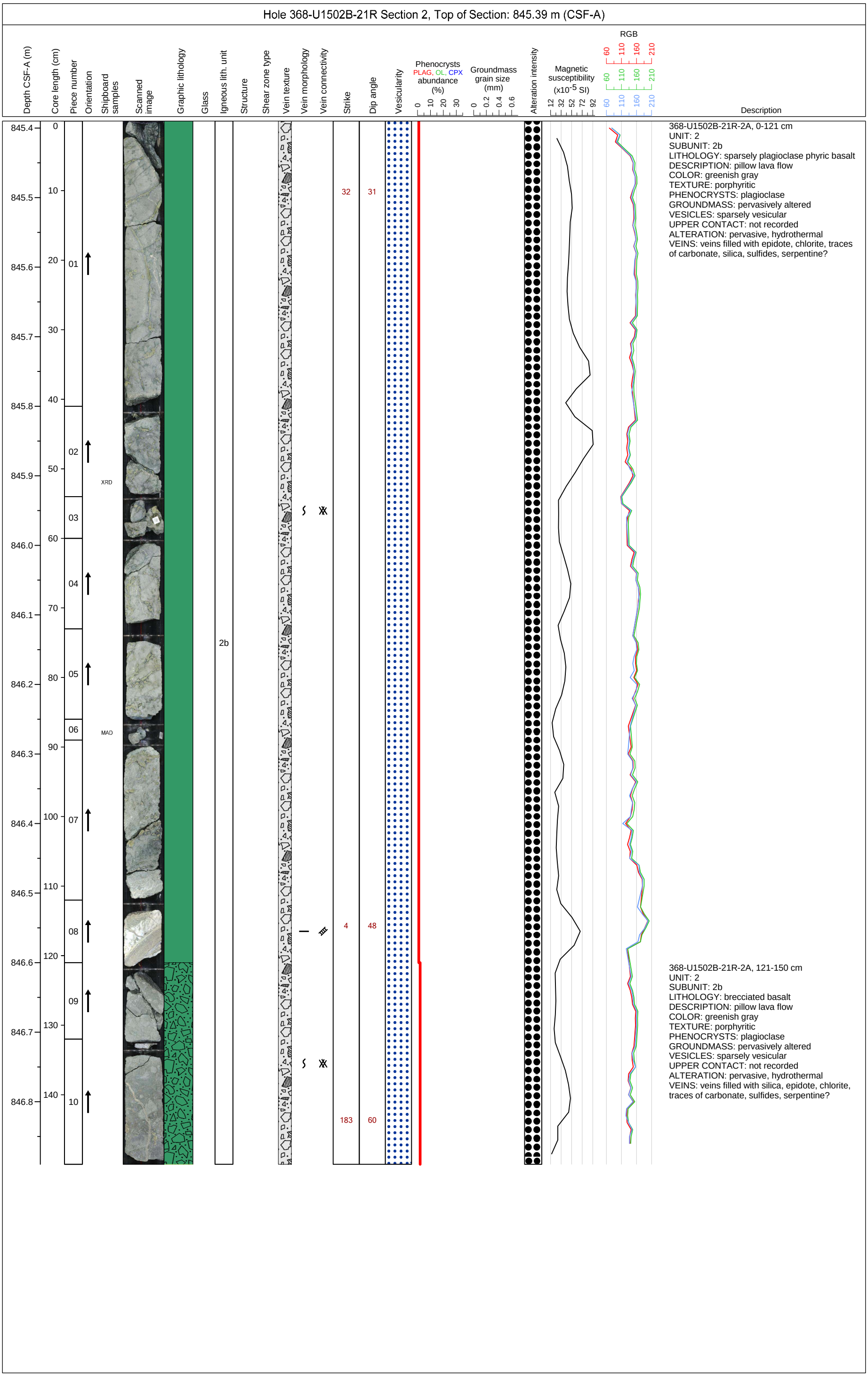
368-U1502B-20R-2A, 20-100 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured lava flow
COLOR: bluish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: nonvesicular
UPPER CONTACT: gradual
ALTERATION: pervasive, moderate green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with secondary green and gray sheet silicates, epidote, chlorite? carbonate, silica, sulfides

Hole 368-U1502B-21R Section 1, Top of Section: 844.2 m (CSF-A)



368-U1502B-21R-1A, 0-119 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recorded
ALTERATION: pervasive, hydrothermal
VEINS: veins filled with epidote, chlorite, traces of carbonate, silica, sulfides, serpentine?

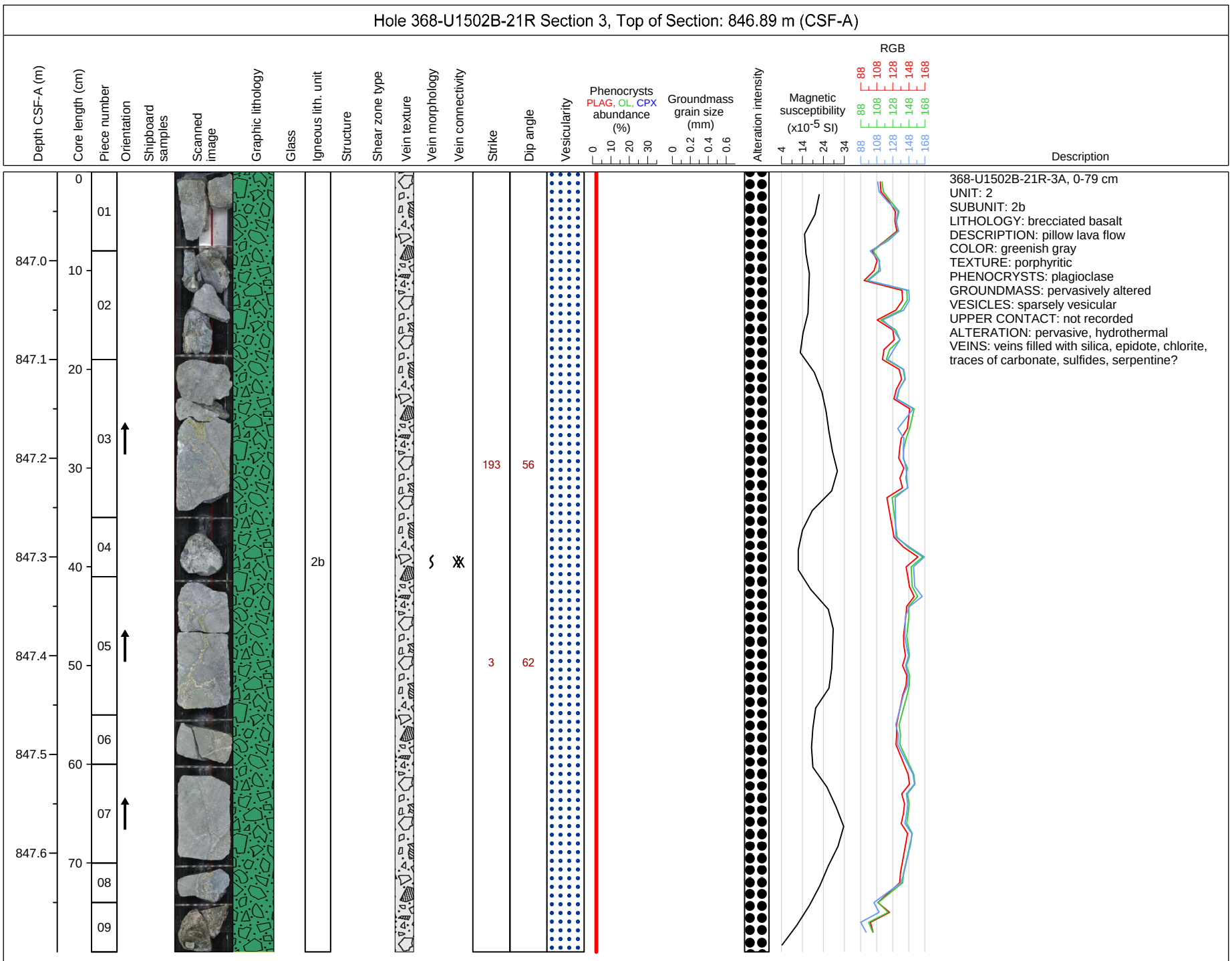
Hole 368-U1502B-21R Section 2, Top of Section: 845.39 m (CSF-A)



368-U1502B-21R-2A, 0-121 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recorded
ALTERATION: pervasive, hydrothermal
VEINS: veins filled with epidote, chlorite, traces of carbonate, silica, sulfides, serpentine?

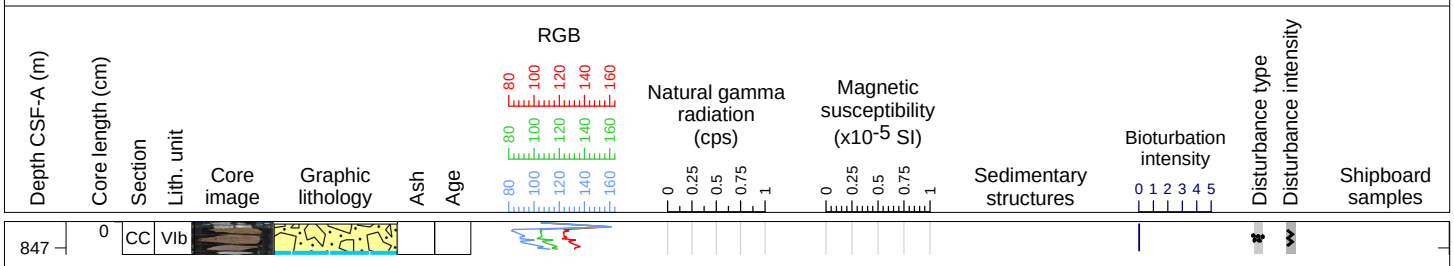
368-U1502B-21R-2A, 121-150 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: brecciated basalt
DESCRIPTION: pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recorded
ALTERATION: pervasive, hydrothermal
VEINS: veins filled with silica, epidote, chlorite, traces of carbonate, sulfides, serpentine?

Hole 368-U1502B-21R Section 3, Top of Section: 846.89 m (CSF-A)

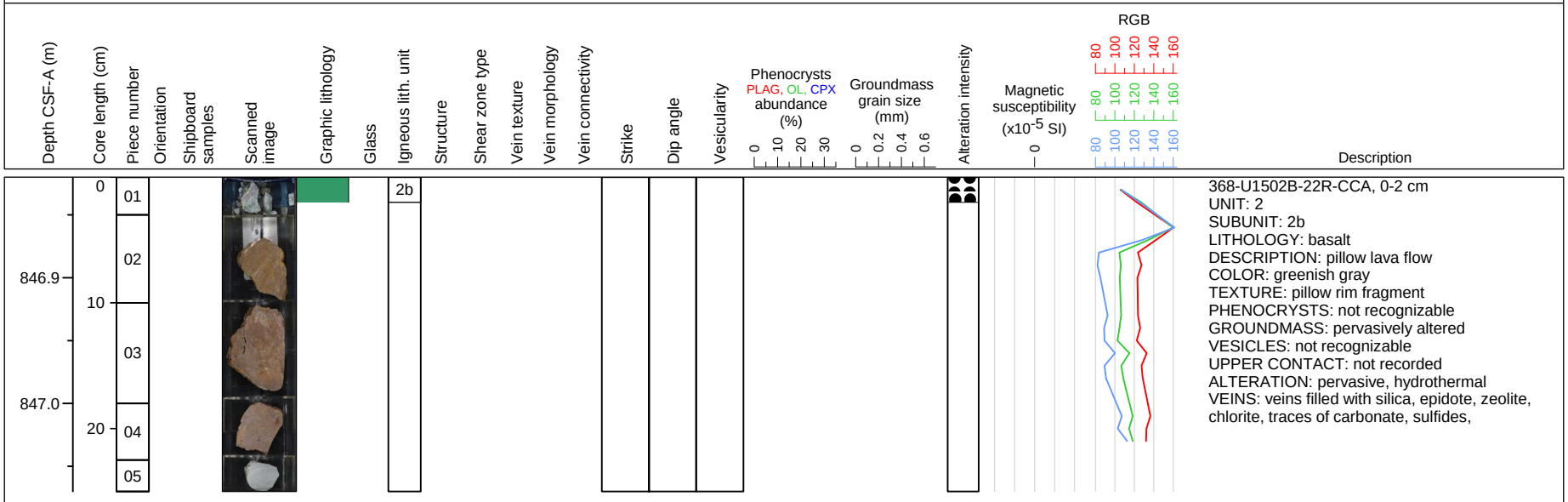


Hole 368-U1502B Core 22R, Interval 846.8-847.05 m (CSF-A)

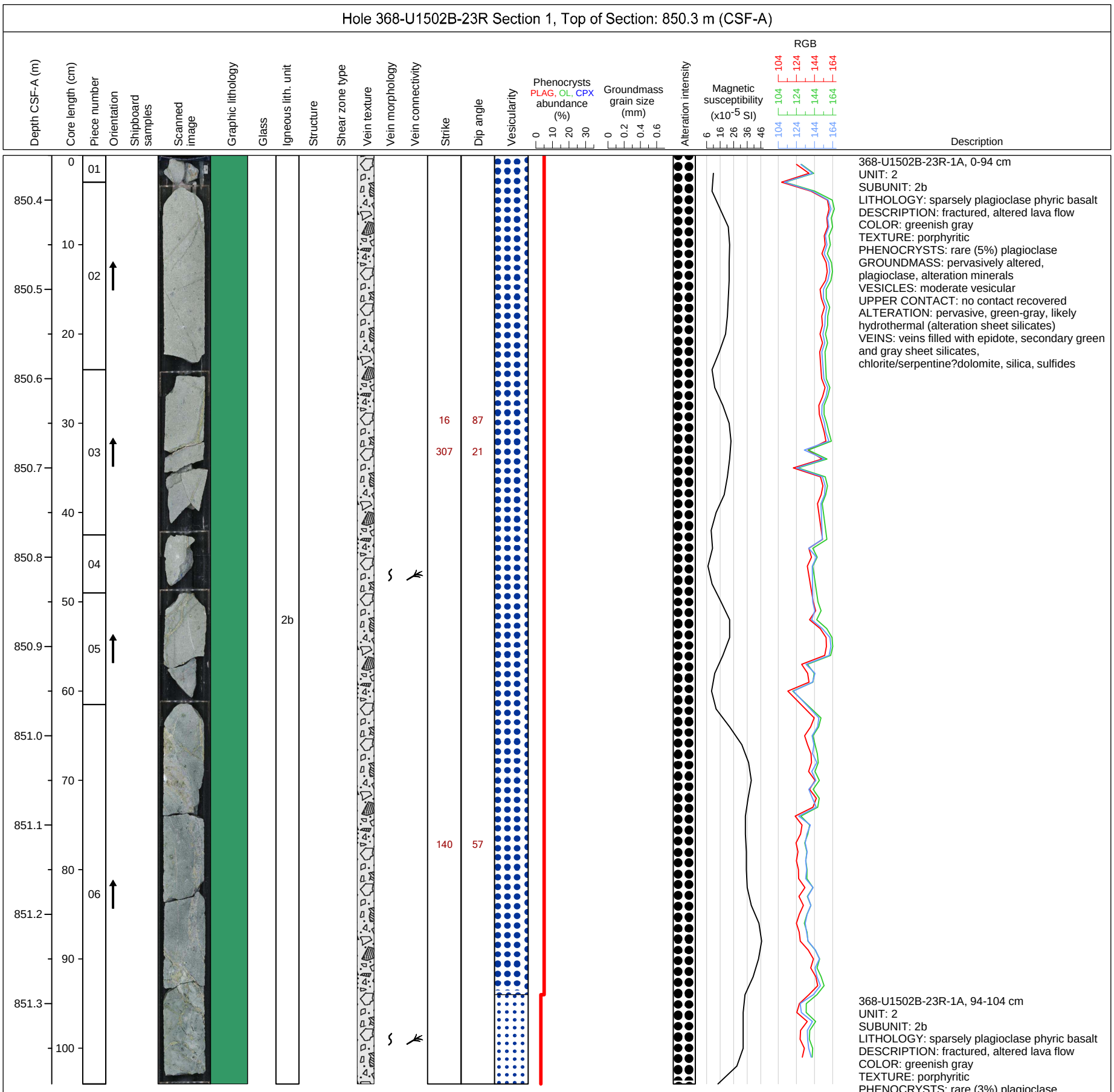
Brownish yellow silicified sedimentary BRECCIA and gray DOLOMITE. Fall-in material.



Hole 368-U1502B-22R Section CC, Top of Section: 846.8 m (CSF-A)



Hole 368-U1502B-23R Section 1, Top of Section: 850.3 m (CSF-A)



368-U1502B-23R-1A, 0-94 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: moderate vesicular
UPPER CONTACT: no contact recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, secondary green and gray sheet silicates, chlorite/serpentine?dolomite, silica, sulfides

368-U1502B-23R-1A, 94-104 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: inclined, curved
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, secondary green and gray sheet silicates, chlorite/serpentine?dolomite, silica, sulfides

Hole 368-U1502B-23R Section 2, Top of Section: 851.34 m (CSF-A)

Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%) 0 10 20 30
Groundmass grain size (mm) 0 0.2 0.4 0.6
Alteration intensity
Magnetic susceptibility ($x10^{-5}$ SI) 12 22 32 42 52
RGB 128 148 128 148 128 148
Description

851.4 851.5 851.6 851.7 851.8 851.9 852.0 852.1 852.2 852.3 852.4 852.5 852.6

0 10 20 30 40 50 60 70 80 90 100 110 120 130

01 02 03 04

PMAG
PMAG
TS
TSB
PMAG
XRD
PMAG

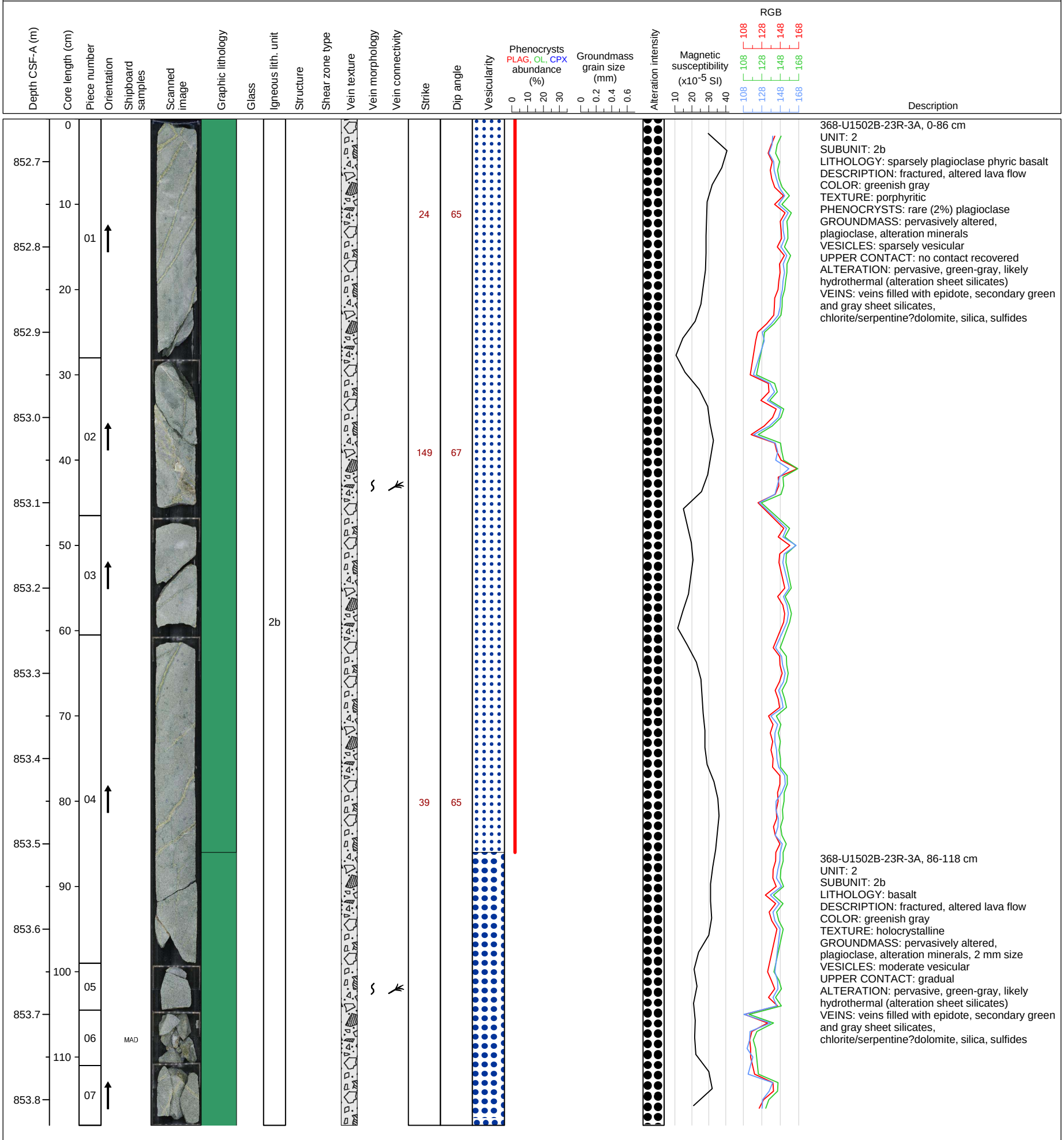
2b

284 84
81 47
31 82
25 73
23 57

368-U1502B-23R-2A, 0-43 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: no contact recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, secondary green and gray sheet silicates, chlorite/serpentine?dolomite, silica, sulfides

368-U1502B-23R-2A, 43-131 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: holocrystalline
GROUNDMASS: pervasively altered, plagioclase, alteration minerals, 2 mm size
VESICLES: moderate vesicular
UPPER CONTACT: gradual
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, secondary green and gray sheet silicates, chlorite/serpentine?dolomite, silica, sulfides

Hole 368-U1502B-23R Section 3, Top of Section: 852.65 m (CSF-A)



368-U1502B-23R-3A, 0-86 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (2%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: no contact recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, secondary green and gray sheet silicates, chlorite/serpentine?dolomite, silica, sulfides

368-U1502B-23R-3A, 86-118 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: holocrystalline
GROUNDMASS: pervasively altered, plagioclase, alteration minerals, 2 mm size
VESICLES: moderate vesicular
UPPER CONTACT: gradual
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, secondary green and gray sheet silicates, chlorite/serpentine?dolomite, silica, sulfides

Hole 368-U1502B-24R Section 1, Top of Section: 853.8 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) 0 10 20 30 | Groundmass grain size (mm) 0 0.2 0.4 0.6 | Alteration intensity | Magnetic susceptibility (x10^{-5} SI) 6 16 26 36 | RGB 112 132 152 112 132 152 112 132 152 | Description

853.8 0 01
853.9 10
854.0 20
854.1 30 02
854.2 40
854.3 50 03
854.4 60
854.5 70 04
854.6 80 05
854.7 90
854.8 100 06
854.9 110
855.0 120

MAD

2b

176 44
357 54
0 90
359 84

368-U1502B-24R-1A, 0-35 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: moderate vesicular
UPPER CONTACT: no contact recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides (pyrite, chalcopyrite), silica, dolomite, secondary green and gray sheet silicates, chlorite/serpentine?

368-U1502B-24R-1A, 35-126 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: very gradually
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides (pyrite, chalcopyrite), silica, dolomite, secondary green and gray sheet silicates, chlorite/serpentine?

Hole 368-U1502B-24R Section 2, Top of Section: 855.06 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) 0 10 20 30 | Groundmass grain size (mm) 0 0.2 0.4 0.6 | Alteration intensity | Magnetic susceptibility ($x10^{-5}$ SI) 0 250 500 750 | RGB 108 128 148 168 108 128 148 168 108 128 148 168

855.1 0 | 855.2 10 | 855.3 20 | 855.4 30 | 855.5 40 | 855.6 50 | 855.7 60 | 855.8 70 | 855.9 80 | 856.0 90 | 856.1 100 | 856.2 110 | 856.3 120 | 856.4 130

01 TS TSB | 02 XRD | 03 | 04 | 05 | 06 | 07 | 08 | 2b

354 61 | 173 44 | 176 64

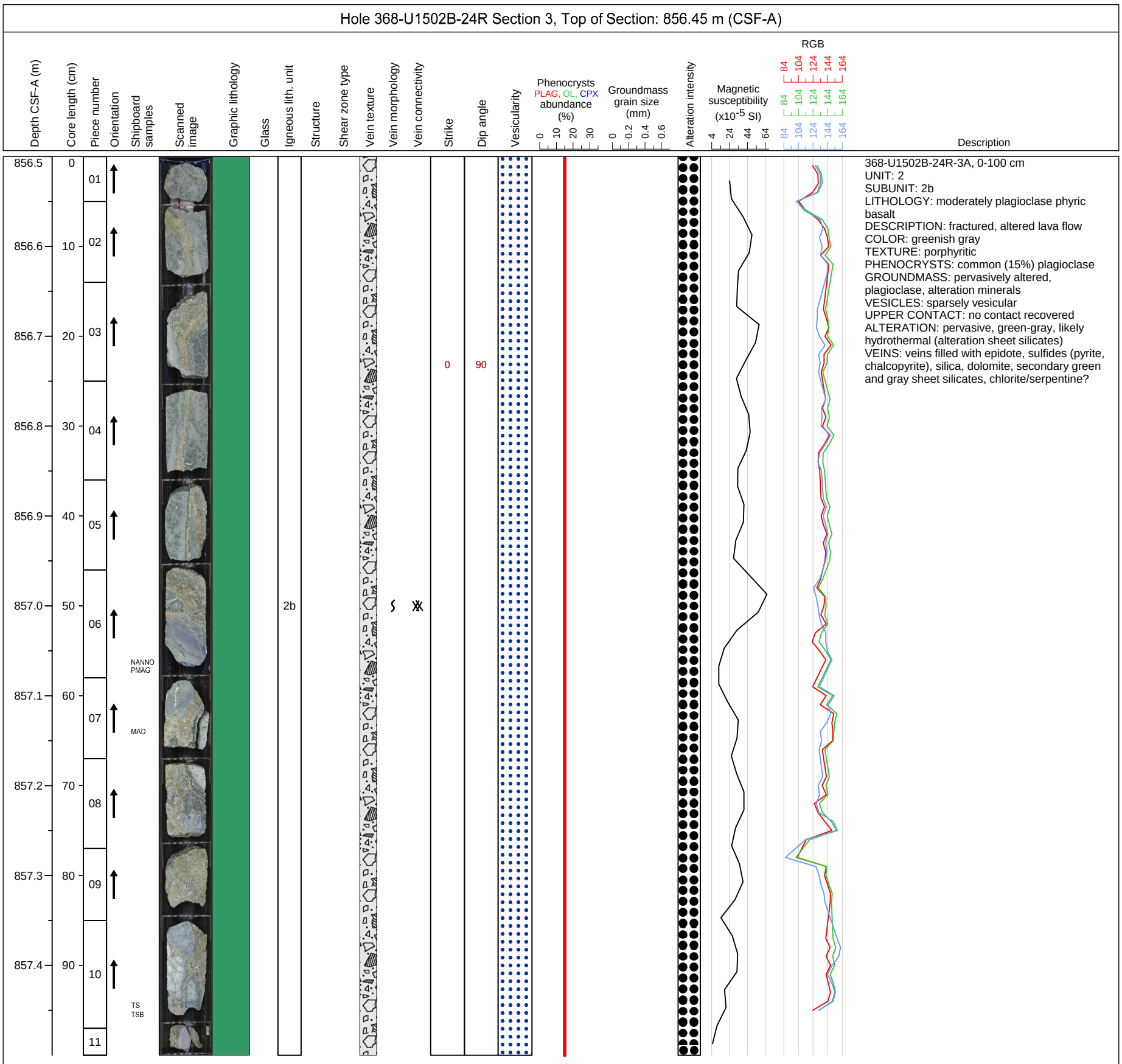
Description

368-U1502B-24R-2A, 0-13 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: gradual, inclined
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides (pyrite, chalcopyrite), silica, dolomite, secondary green and gray sheet silicates, chlorite/serpentine?

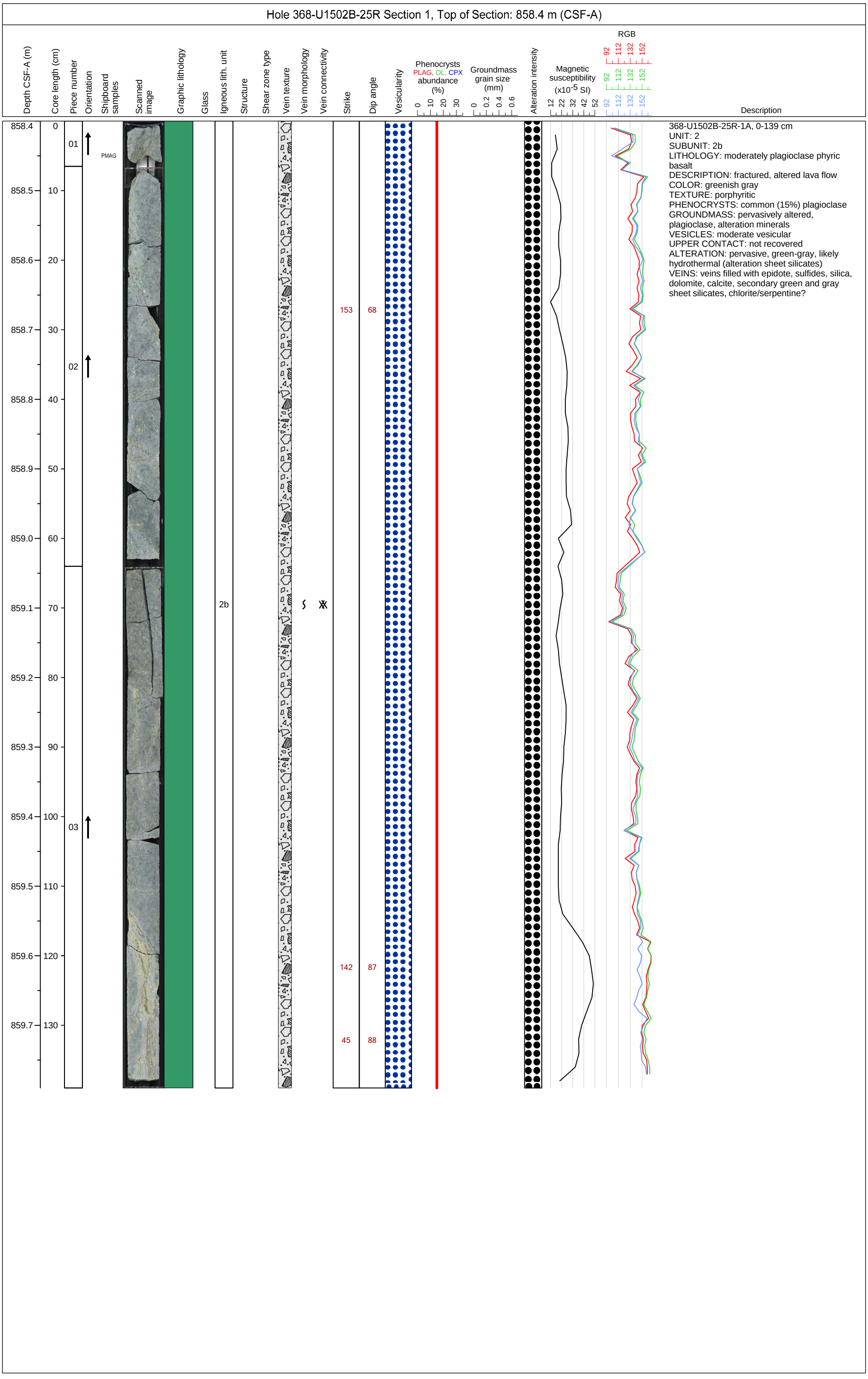
368-U1502B-24R-2A, 13-35 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: bluish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: gradual, inclined
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides (pyrite, chalcopyrite), silica, dolomite, secondary green and gray sheet silicates, chlorite/serpentine?

368-U1502B-24R-2A, 35-50 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (7%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: gradual, inclined
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides (pyrite, chalcopyrite), silica, dolomite, secondary green and gray sheet silicates, chlorite/serpentine?

368-U1502B-24R-2A, 50-139 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: moderately vesicular
UPPER CONTACT: inclined
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides (pyrite, chalcopyrite), silica, dolomite, secondary green and gray sheet silicates, chlorite/serpentine?


Hole 368-U1502B-24R Section 3, Top of Section: 856.45 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
856.5
856.6
856.7
856.8
856.9
857.0
857.1
857.2
857.3
857.4
0
10
20
30
40
50
60
70
80
90
01
02
03
04
05
06
07
08
09
10
11
NANNO PMAG
MAD
TS TSB
2b
0
90
368-U1502B-24R-3A, 0-100 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (15%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: no contact recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides (pyrite, chalcopyrite), silica, dolomite, secondary green and gray sheet silicates, chlorite/serpentine?

Hole 368-U1502B-25R Section 1, Top of Section: 858.4 m (CSF-A)



Hole 368-U1502B-25R Section 2, Top of Section: 859.79 m (CSF-A)

Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility ($\times 10^{-5}$ SI)
RGB
Description

859.8 – 0
859.9 – 10
860.0 – 20
860.1 – 30
860.2 – 40
860.3 – 50
860.4 – 60
860.5 – 70
860.6 – 80
860.7 – 90
860.8 – 100
860.9 – 110
861.0 – 120
861.1 – 130

Piece numbers: 01, 02, 03, 04, 05, 06, 07, 08, 09

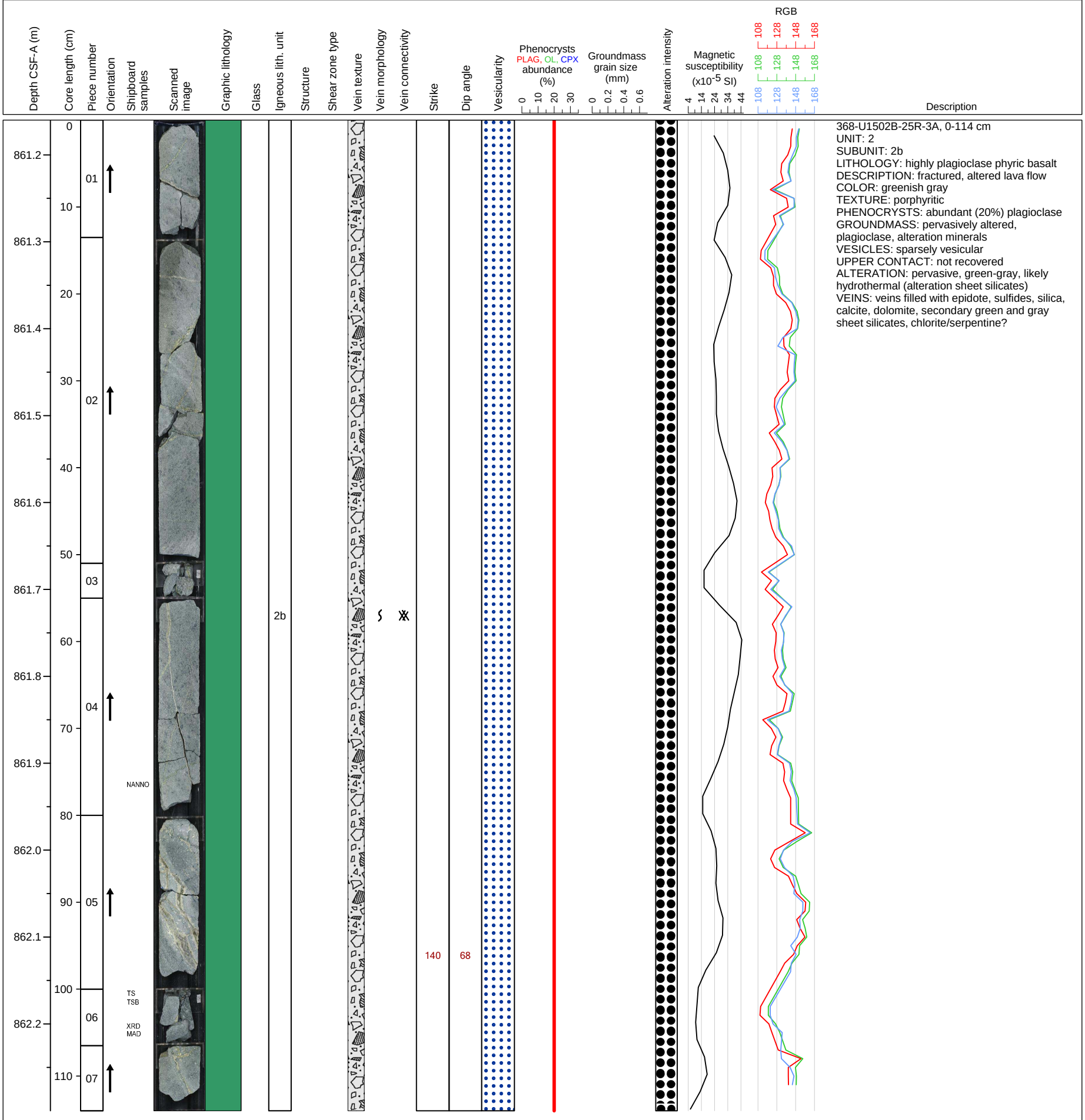
Igneous lith. unit: 2b

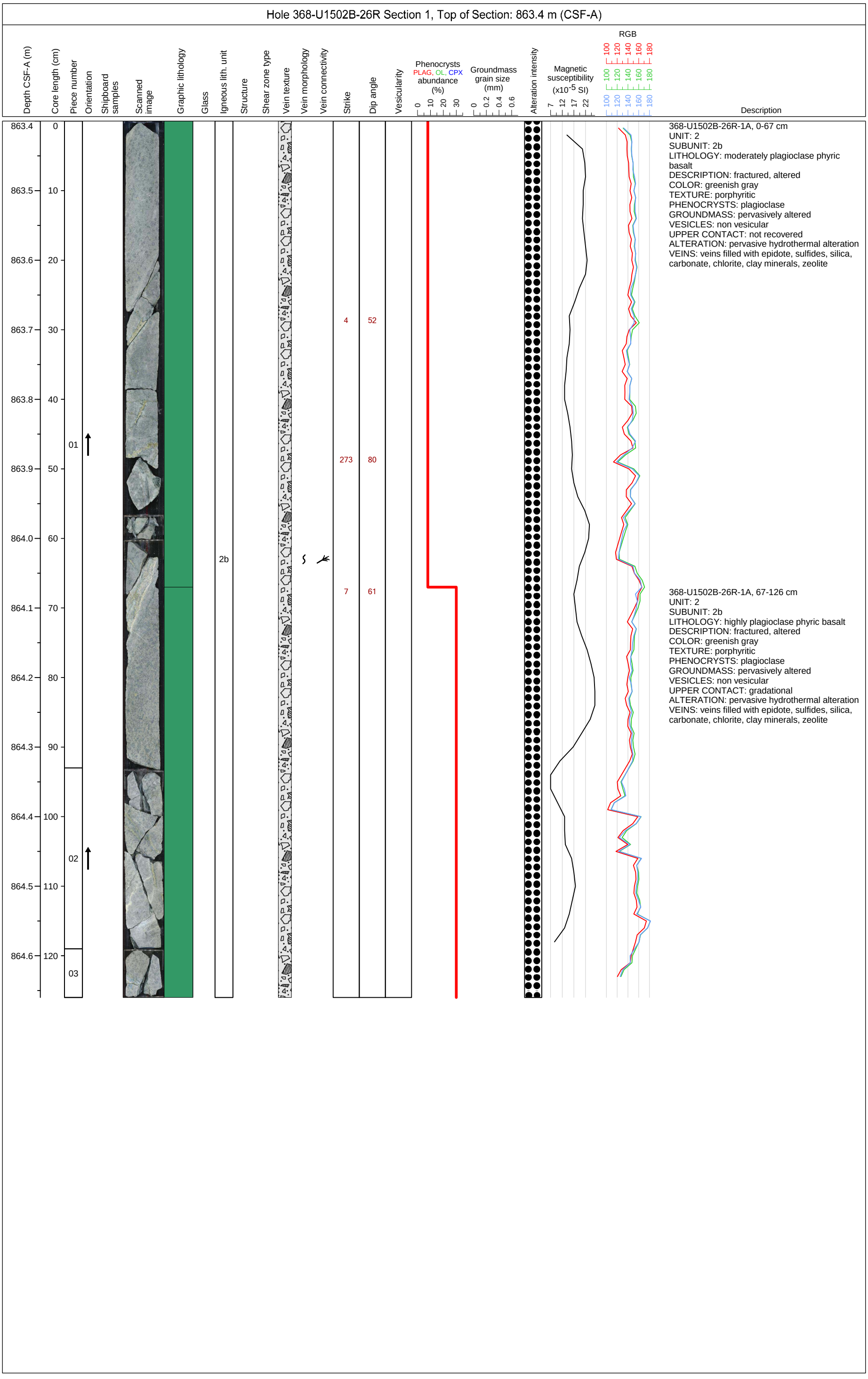
Strike: 180 (piece 01); 143 (piece 02)

Dip angle: 82 (piece 01); 57 (piece 02)

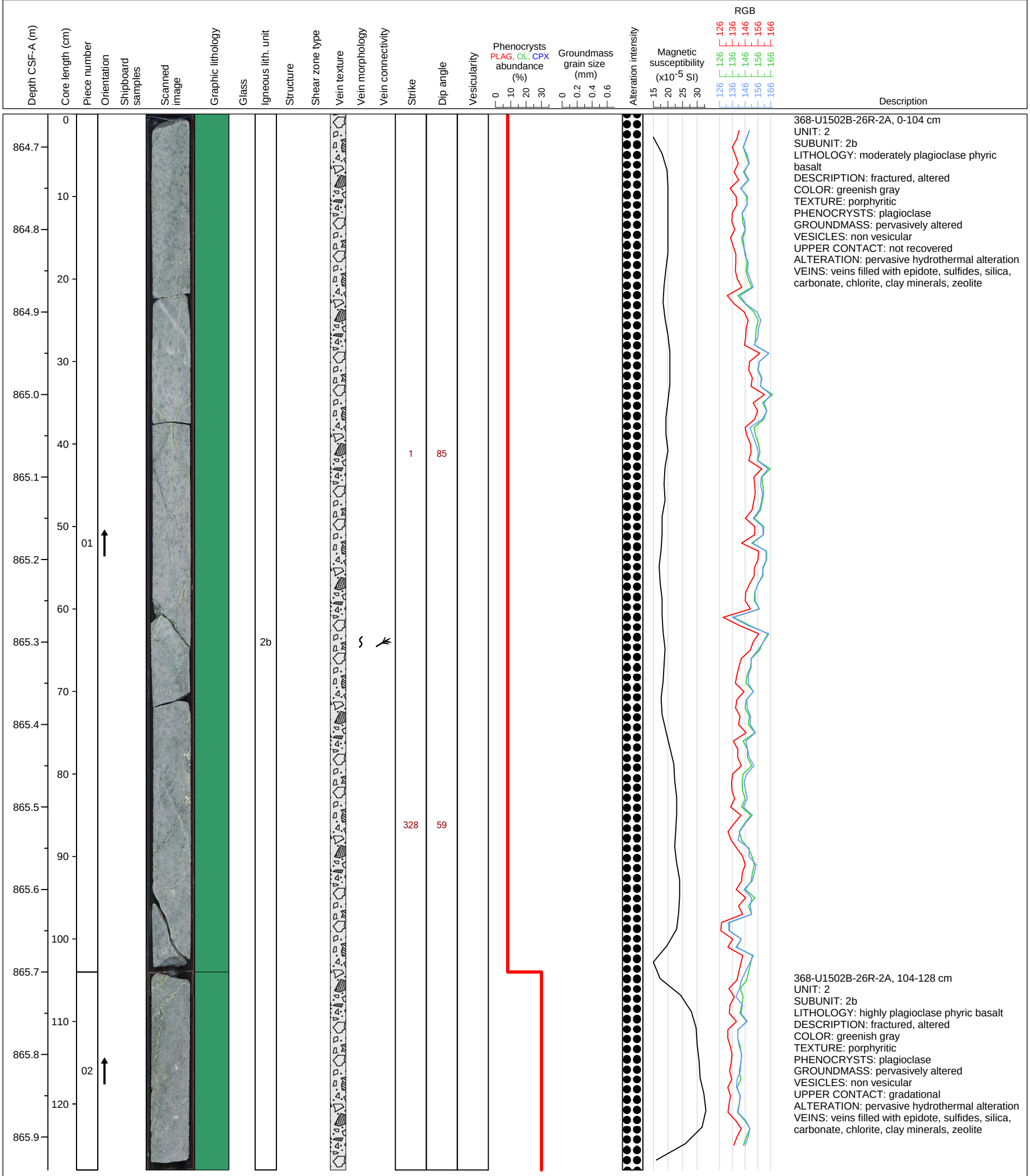
368-U1502B-25R-2A, 0-137 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (7%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

Hole 368-U1502B-25R Section 3, Top of Section: 861.16 m (CSF-A)

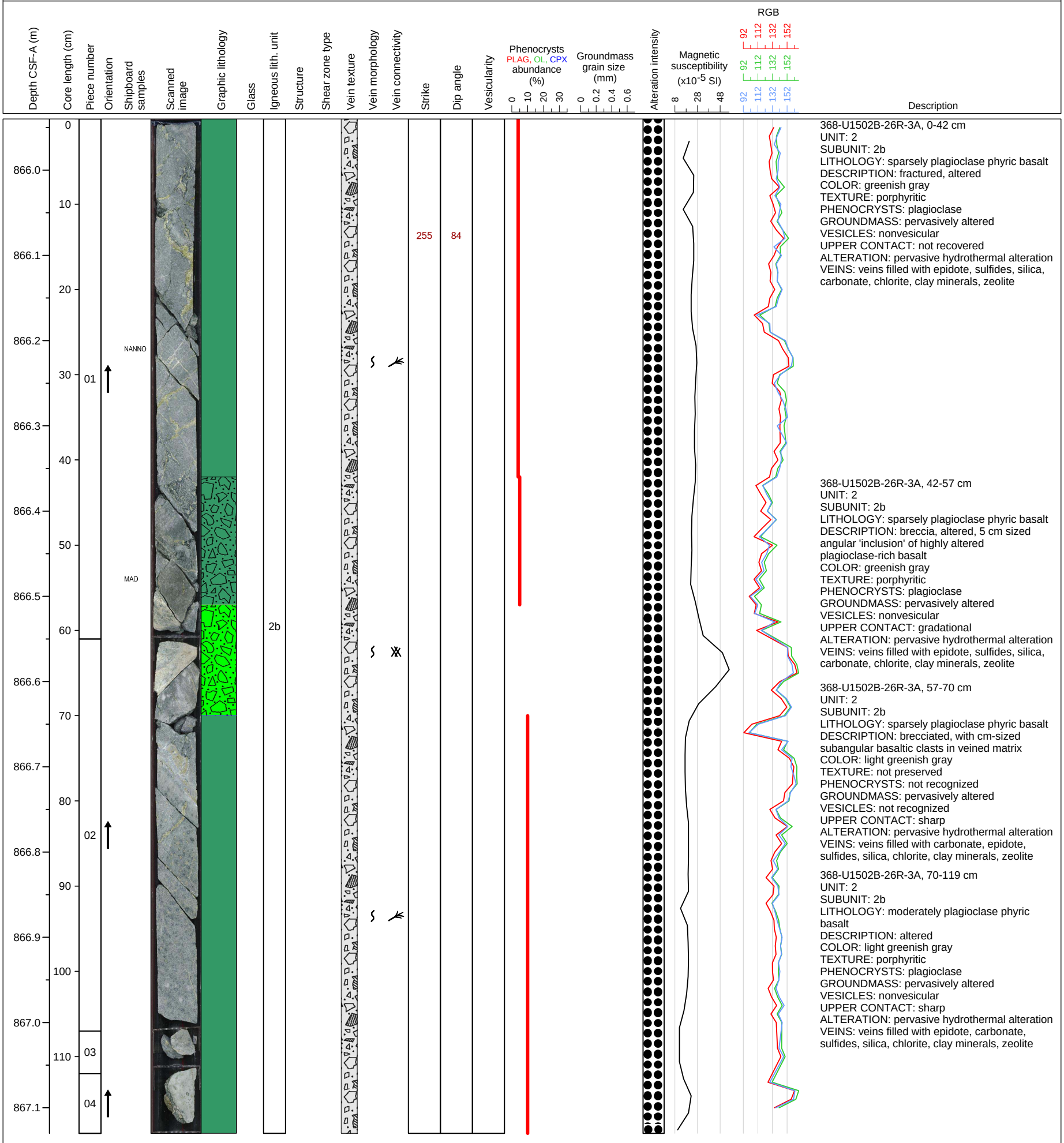



Hole 368-U1502B-26R Section 1, Top of Section: 863.4 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
863.4
863.5
863.6
863.7
863.8
863.9
864.0
864.1
864.2
864.3
864.4
864.5
864.6
0
10
20
30
40
50
60
70
80
90
100
110
120
01
02
03
2b
4
52
273
80
7
61
368-U1502B-26R-1A, 0-67 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured, altered
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: non vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, sulfides, silica, carbonate, chlorite, clay minerals, zeolite
368-U1502B-26R-1A, 67-126 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: highly plagioclase phyric basalt
DESCRIPTION: fractured, altered
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: non vesicular
UPPER CONTACT: gradational
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, sulfides, silica, carbonate, chlorite, clay minerals, zeolite

Hole 368-U1502B-26R Section 2, Top of Section: 864.66 m (CSF-A)



Hole 368-U1502B-26R Section 3, Top of Section: 865.94 m (CSF-A)

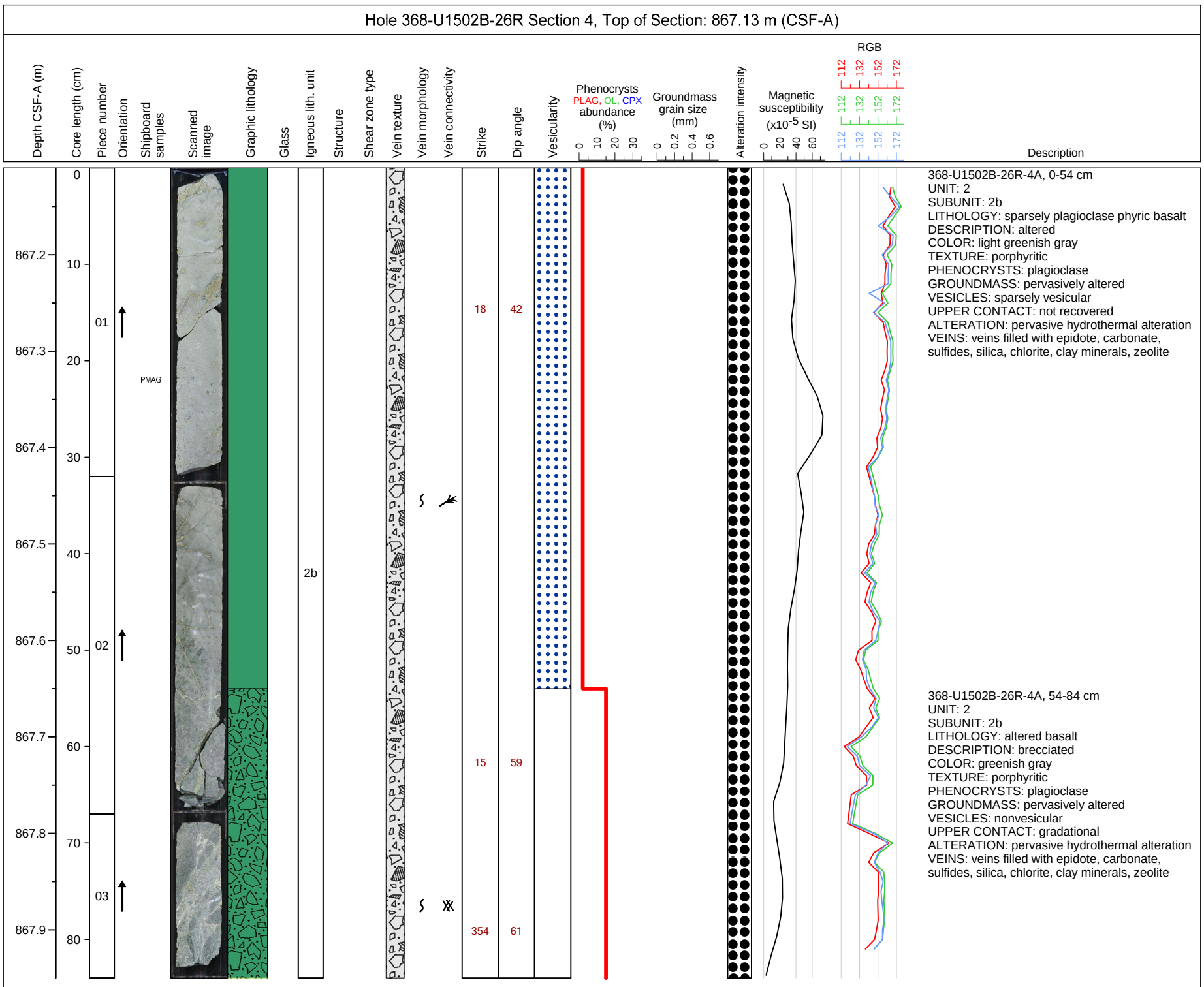


368-U1502B-26R-3A, 0-42 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, sulfides, silica, carbonate, chlorite, clay minerals, zeolite

368-U1502B-26R-3A, 42-57 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: breccia, altered, 5 cm sized angular 'inclusion' of highly altered plagioclase-rich basalt
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: gradational
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, sulfides, silica, carbonate, chlorite, clay minerals, zeolite

368-U1502B-26R-3A, 57-70 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: brecciated, with cm-sized subangular basaltic clasts in veined matrix
COLOR: light greenish gray
TEXTURE: not preserved
PHENOCRYSTS: not recognized
GROUNDMASS: pervasively altered
VESICLES: not recognized
UPPER CONTACT: sharp
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with carbonate, epidote, sulfides, silica, chlorite, clay minerals, zeolite

368-U1502B-26R-3A, 70-119 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: altered
COLOR: light greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: sharp
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite


Hole 368-U1502B-26R Section 4, Top of Section: 867.13 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
867.2
867.3
867.4
867.5
867.6
867.7
867.8
867.9
01
02
03
PMAG
2b
18
42
15
59
354
61
368-U1502B-26R-4A, 0-54 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: altered
COLOR: light greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite
368-U1502B-26R-4A, 54-84 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: altered basalt
DESCRIPTION: brecciated
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: gradational
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

Hole 368-U1502B-27R Section 1, Top of Section: 868.0 m (CSF-A)

Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%) 0 10 20 30
Groundmass grain size (mm) 0 0.2 0.4 0.6
Alteration intensity
Magnetic susceptibility ($x10^{-5}$ SI) 0 50 100 150
RGB 112 132 152 172 112 132 152 172 112 132 152 172
Description

868.0 | 0
868.1 | 10
868.2 | 20
868.3 | 30
868.4 | 40
868.5 | 50
868.6 | 60
868.7 | 70
868.8 | 80
868.9 | 90
869.0 | 100
869.1 | 110
869.2 | 120
869.3 | 130
869.4 | 140

PMAG

01
02
03
04
05

2b

Strike: 356, 202
Dip angle: 50, 66

368-U1502B-27R-1A, 0-141 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: highly phyric basalt
DESCRIPTION: pillow lava
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

Hole 368-U1502B-27R Section 2, Top of Section: 869.41 m (CSF-A)

Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility ($\times10^{-5}$ SI)
RGB
Description

869.5 869.6 869.7 869.8 869.9 870.0 870.1 870.2 870.3 870.4 870.5 870.6 870.7

0 10 20 30 40 50 60 70 80 90 100 110 120 130

01 02 03 04 05

PMAG PMAG

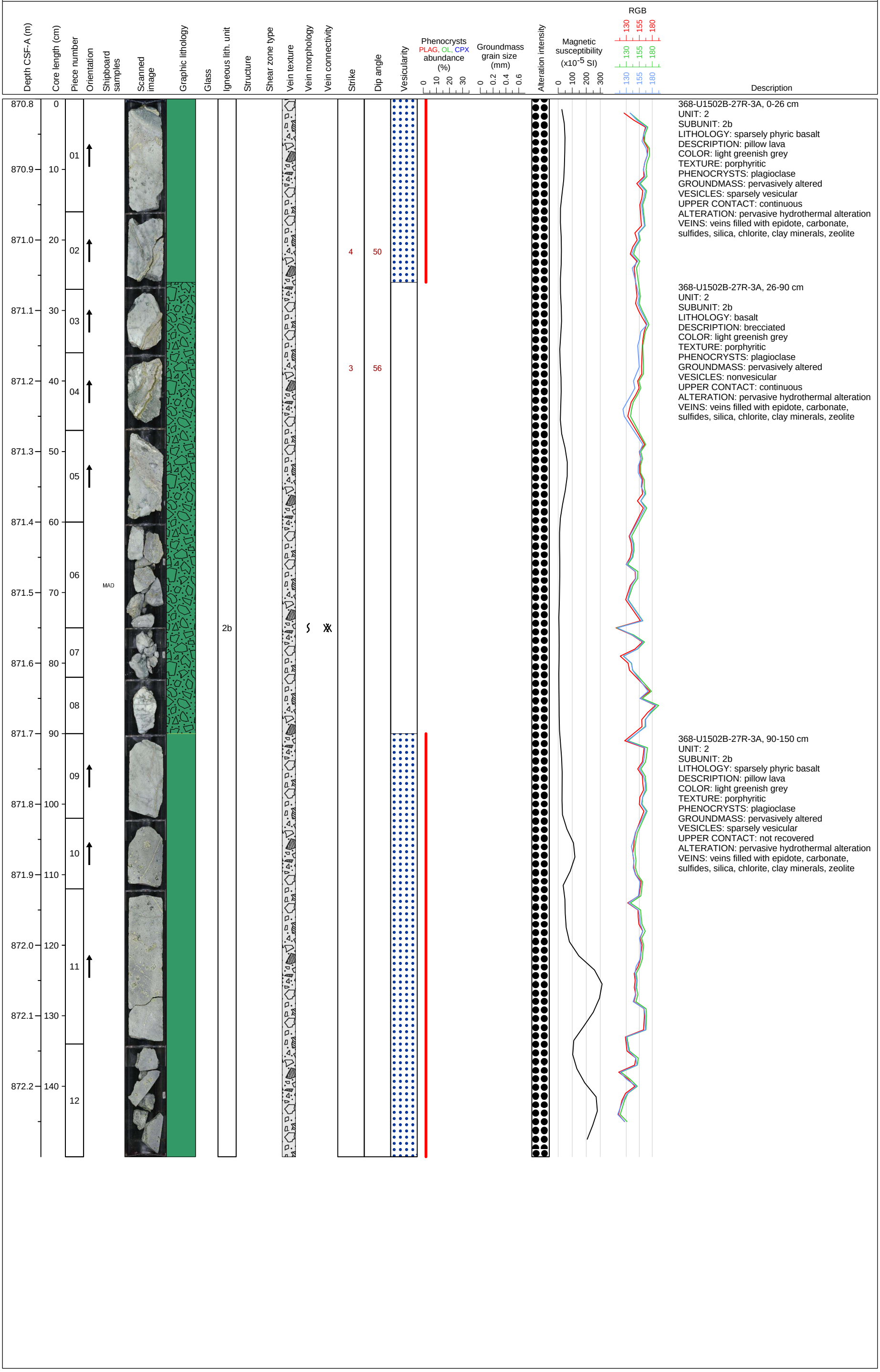
12 62

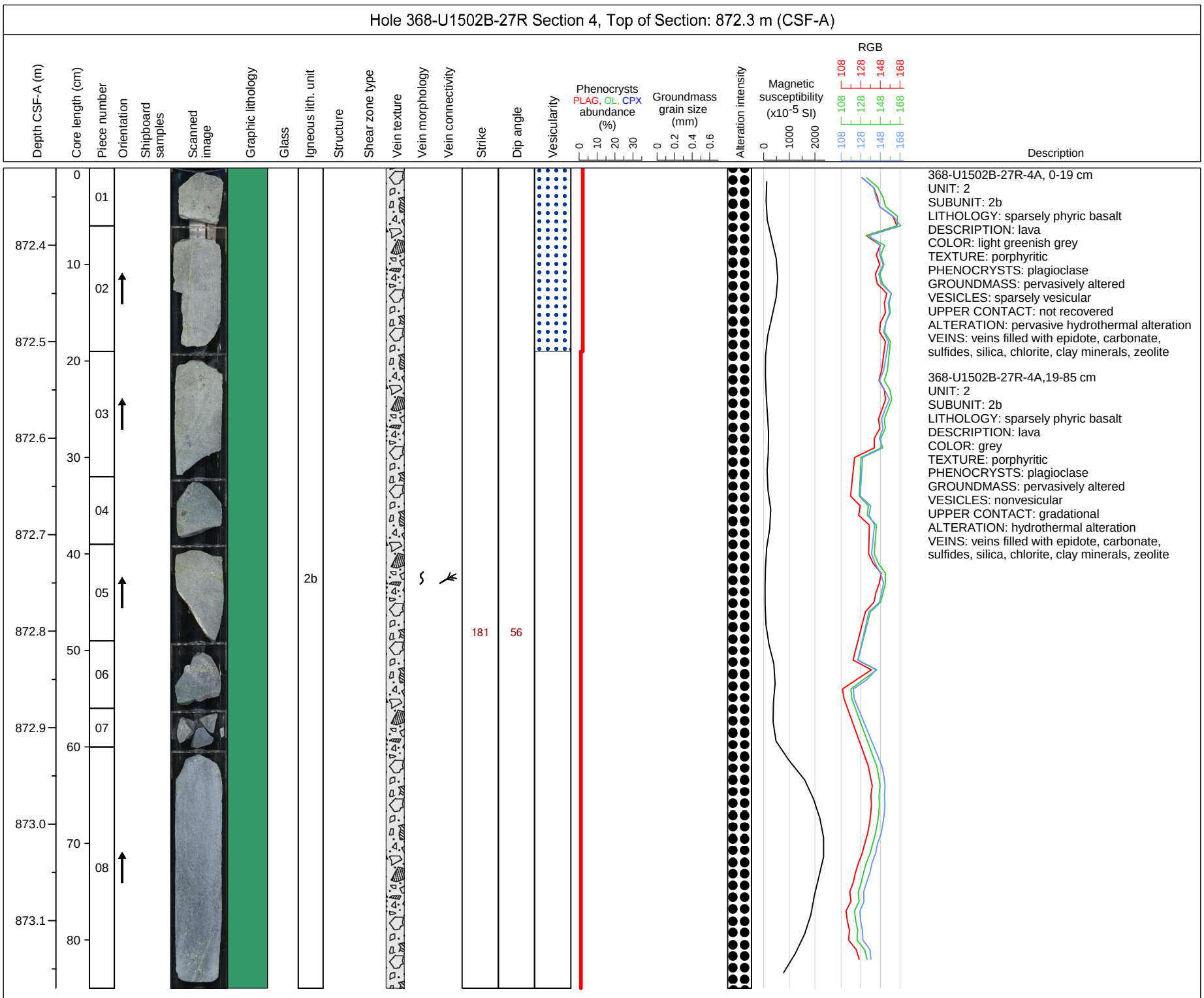
2b

368-U1502B-27R-2A, 0-10 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: highly phyric basalt
DESCRIPTION: pillow lava
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

368-U1502B-27R-2A, 10-139 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely phyric basalt
DESCRIPTION: pillow lava
COLOR: light greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: sharp
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

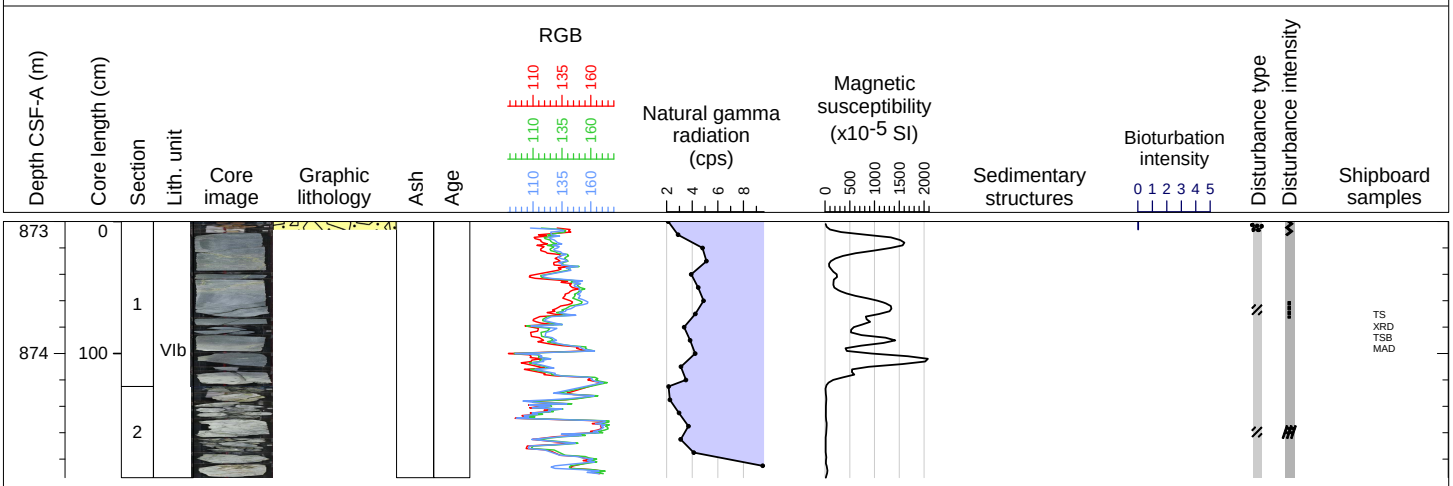
Hole 368-U1502B-27R Section 3, Top of Section: 870.8 m (CSF-A)



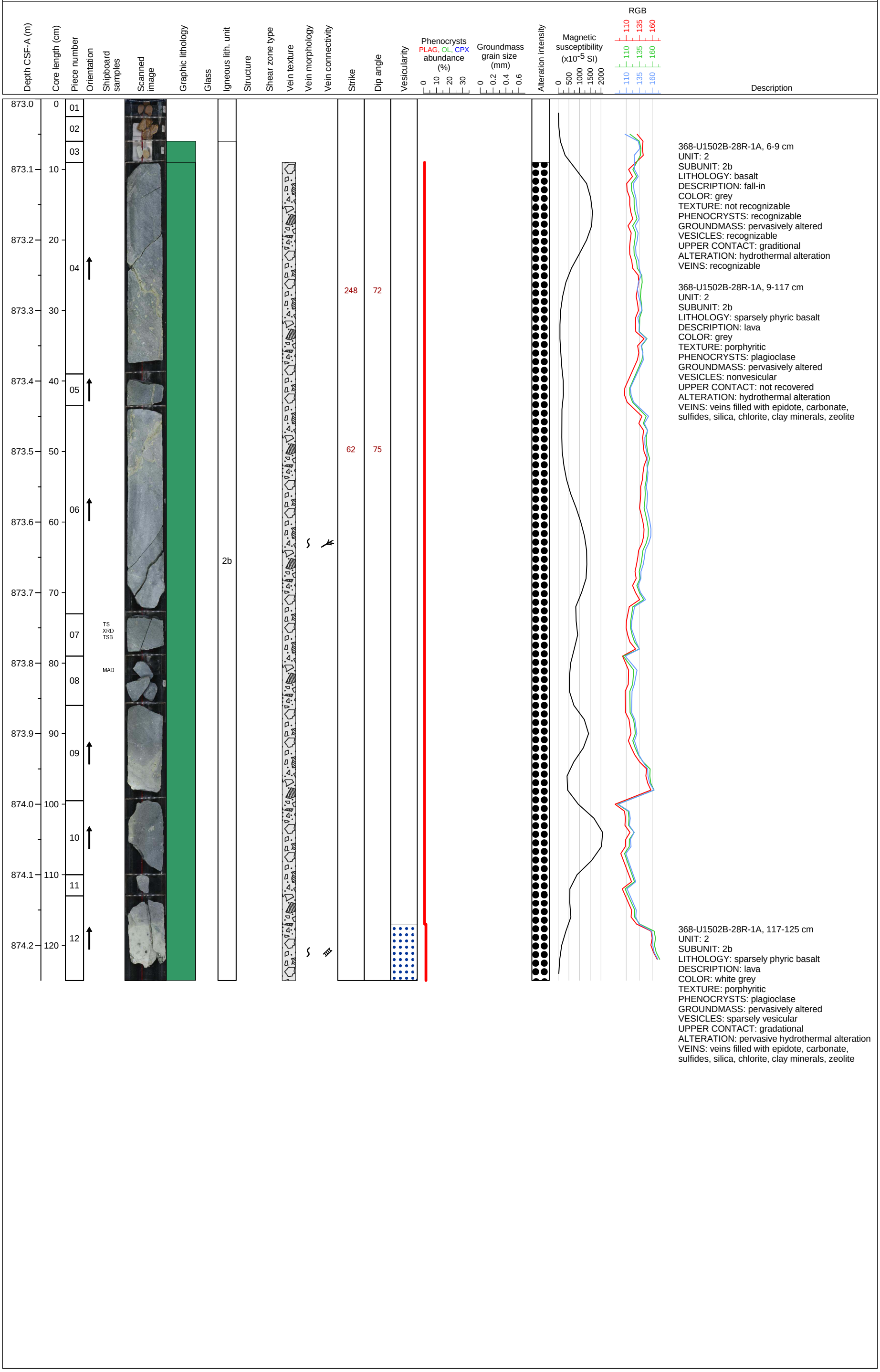

Hole 368-U1502B-27R Section 4, Top of Section: 872.3 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
872.4
872.5
872.6
872.7
872.8
872.9
873.0
873.1
01
02
03
04
05
06
07
08
2b
181
56
368-U1502B-27R-4A, 0-19 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely phyric basalt
DESCRIPTION: lava
COLOR: light greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite
368-U1502B-27R-4A,19-85 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely phyric basalt
DESCRIPTION: lava
COLOR: grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: gradational
ALTERATION: hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

Hole 368-U1502B Core 28R, Interval 873.0-874.94 m (CSF-A)

Brownish yellow silicified sedimentary BRECCIA. Fall-in material.



Hole 368-U1502B-28R Section 1, Top of Section: 873.0 m (CSF-A)

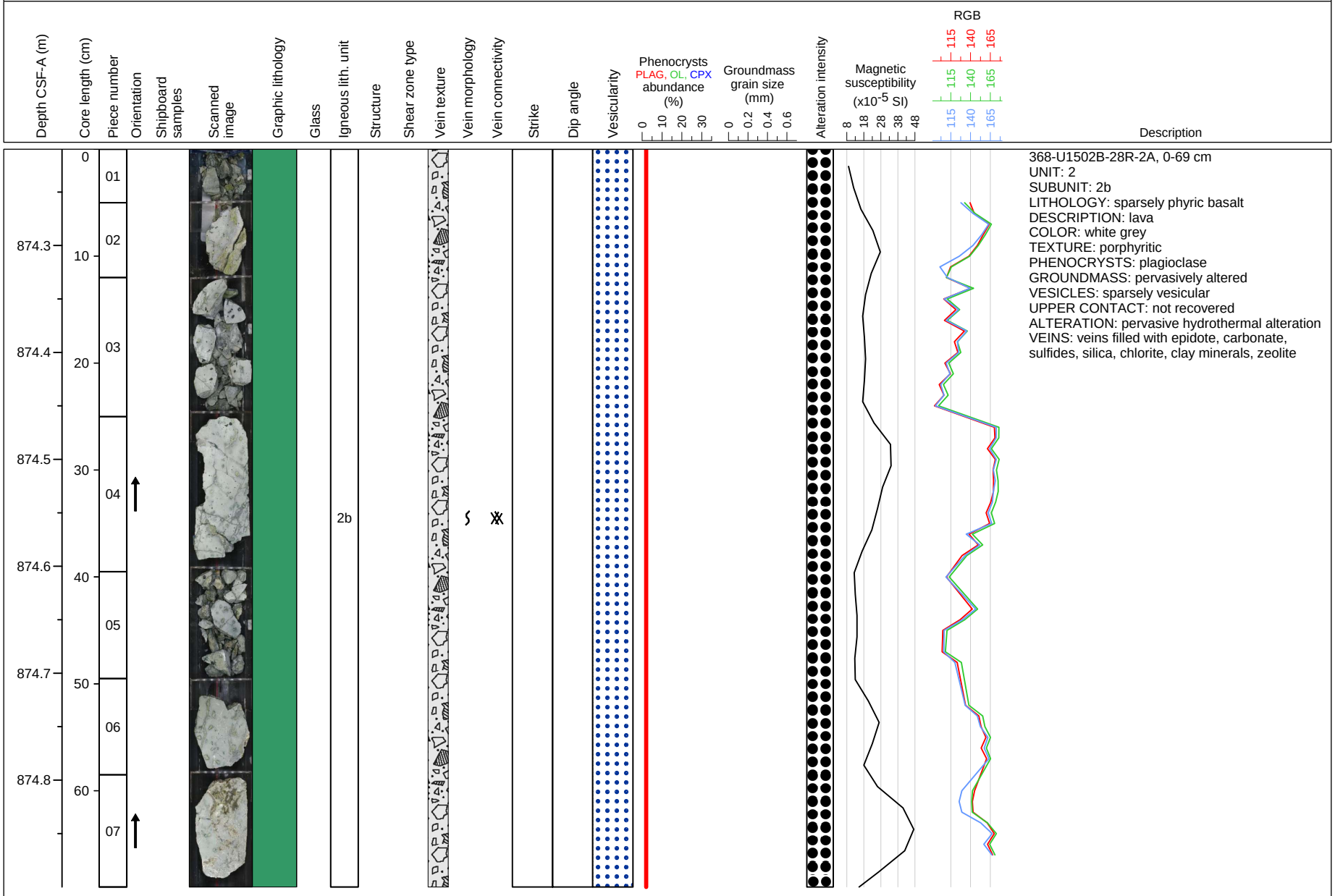


368-U1502B-28R-1A, 6-9 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: basalt
DESCRIPTION: fall-in
COLOR: grey
TEXTURE: not recognizable
PHENOCRYSTS: recognizable
GROUNDMASS: pervasively altered
VESICLES: recognizable
UPPER CONTACT: graditional
ALTERATION: hydrothermal alteration
VEINS: recognizable

368-U1502B-28R-1A, 9-117 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely phyric basalt
DESCRIPTION: lava
COLOR: grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

368-U1502B-28R-1A, 117-125 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely phyric basalt
DESCRIPTION: lava
COLOR: white grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: gradational
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

Hole 368-U1502B-28R Section 2, Top of Section: 874.25 m (CSF-A)



368-U1502B-28R-2A, 0-69 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely phyric basalt
DESCRIPTION: lava
COLOR: white grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

Hole 368-U1502B-29R Section 1, Top of Section: 877.6 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Groundmass grain size (mm) | Alteration intensity | Magnetic susceptibility ($\times10^{-5}$ SI) | RGB | Description

877.6 / 0 / 01
02
877.7 / 10 / 03
877.8 / 20 / 04
05
877.9 / 30 / 06
878.0 / 40
878.1 / 50 / 07
878.2 / 60 / 08
09
878.3 / 70 / 10
11
878.4 / 80 / 12
13
878.5 / 90 / 14
878.6 / 100 / 15
878.7 / 110 / 16
878.8 / 120
878.9 / 130 / 17

Igneous lith. unit: 2b

Strike: 355 | Dip angle: 79

368-U1502B-29R-1A, 0-29 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely phyric basalt
DESCRIPTION: lava
COLOR: greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

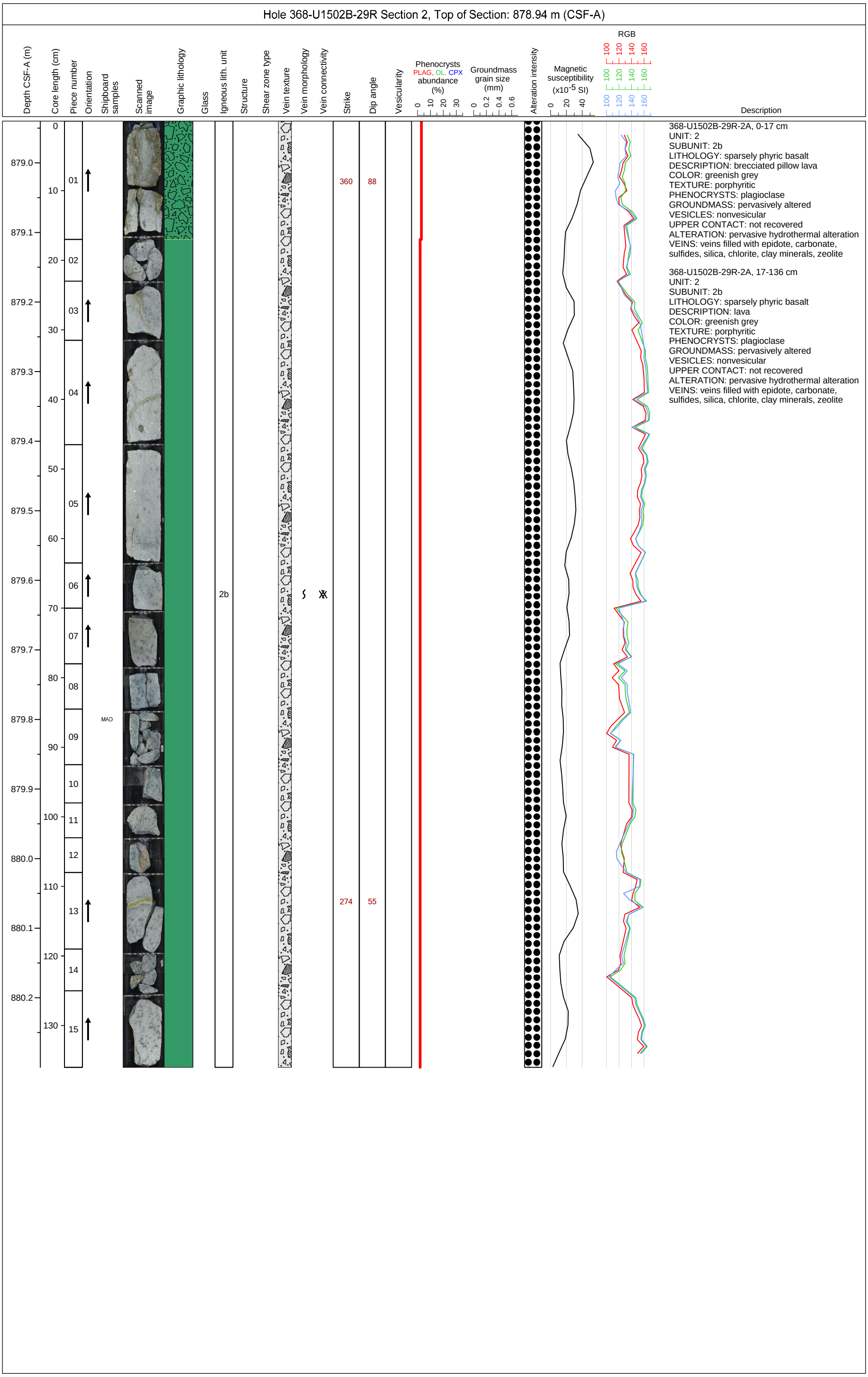
368-U1502B-29R-1A, 29-59 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately phyric basalt
DESCRIPTION: lava
COLOR: greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

Strike: 183 | Dip angle: 78

368-U1502B-29R-1A, 59-134 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely phyric basalt
DESCRIPTION: brecciated pillow lava
COLOR: greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

Strike: 360 | Dip angle: 88

Hole 368-U1502B-29R Section 2, Top of Section: 878.94 m (CSF-A)



368-U1502B-29R-2A, 0-17 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely phyric basalt
DESCRIPTION: brecciated pillow lava
COLOR: greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

368-U1502B-29R-2A, 17-136 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely phyric basalt
DESCRIPTION: lava
COLOR: greenish grey
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins filled with epidote, carbonate, sulfides, silica, chlorite, clay minerals, zeolite

Hole 368-U1502B-30R Section 1, Top of Section: 882.6 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) 0 10 20 30 | Groundmass grain size (mm) 0 0.2 0.4 0.6 | Alteration intensity | Magnetic susceptibility (x10^{-5} SI) 8 28 48 | RGB 120 140 160 180 120 140 160 180 120 140 160 180

882.6 | 0 | 01
882.7 | 10 | 02
882.8 | 20
882.9 | 30 | 03
883.0 | 40
883.1 | 50 | 04
883.2 | 60 | 05
883.3 | 70 | 06
883.4 | 80 | 07 | 08
883.5 | 90 | 09
883.6 | 100 | 10
883.7 | 110 | 11
883.8 | 120 | 12
883.9 | 130 | 13
884.0 | 140 | 14

2b

300 90

Description

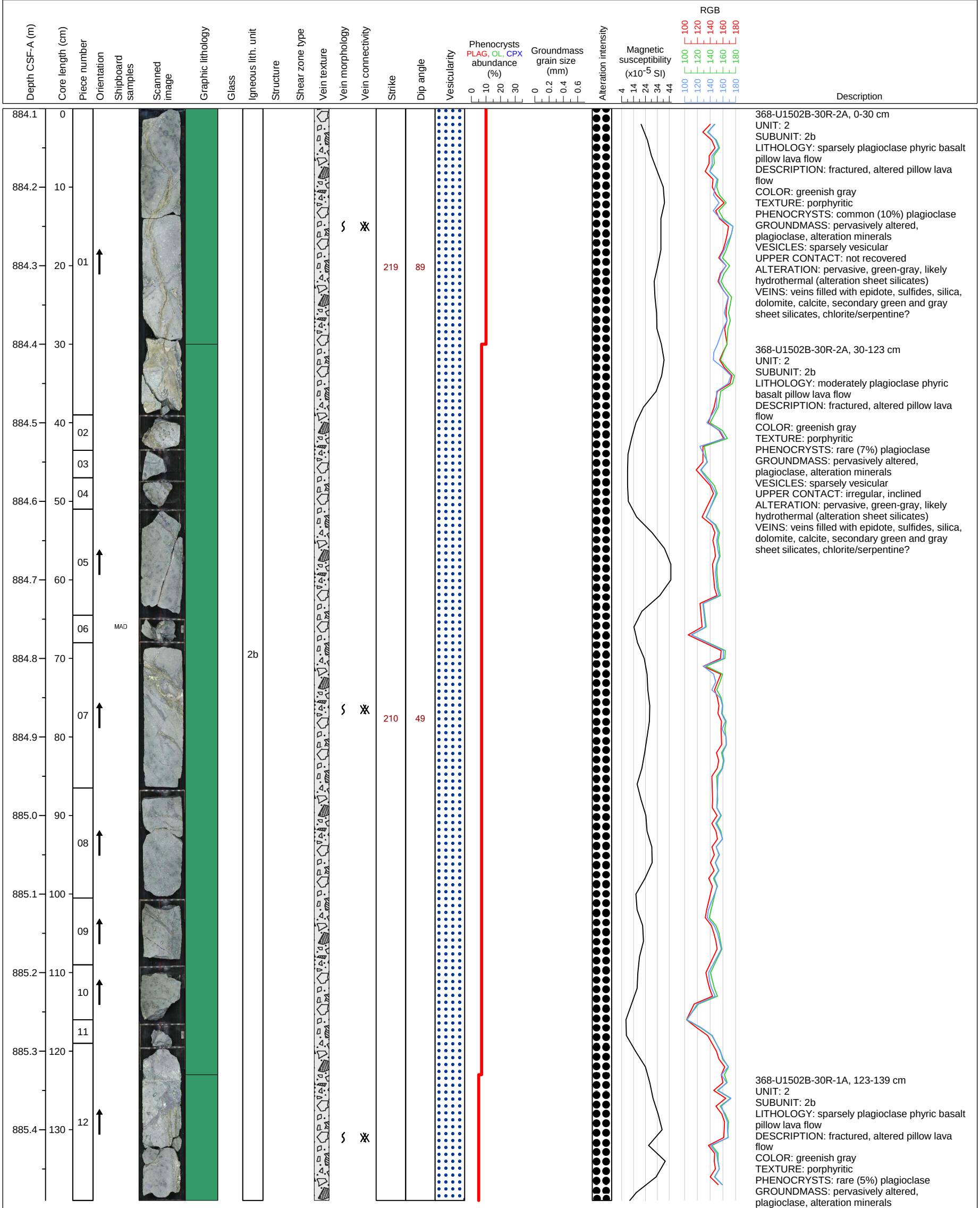
368-U1502B-30R-1A, 0-21 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt pillow lava flow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: light greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (7%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

368-U1502B-30R-1A, 21-87 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt pillow lava flow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: light greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: inclined
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

368-U1502B-30R-1A, 87-127 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt pillow lava flow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: light greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: irregular
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

368-U1502B-30R-1A, 127-150 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: brecciated basalt
DESCRIPTION: fractured, altered lava flow
COLOR: light greenish gray
TEXTURE: aphyric
GROUNDMASS: nonaltered, alteration minerals
VESICLES: moderate vesicular
UPPER CONTACT: inclined
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

Hole 368-U1502B-30R Section 2, Top of Section: 884.1 m (CSF-A)

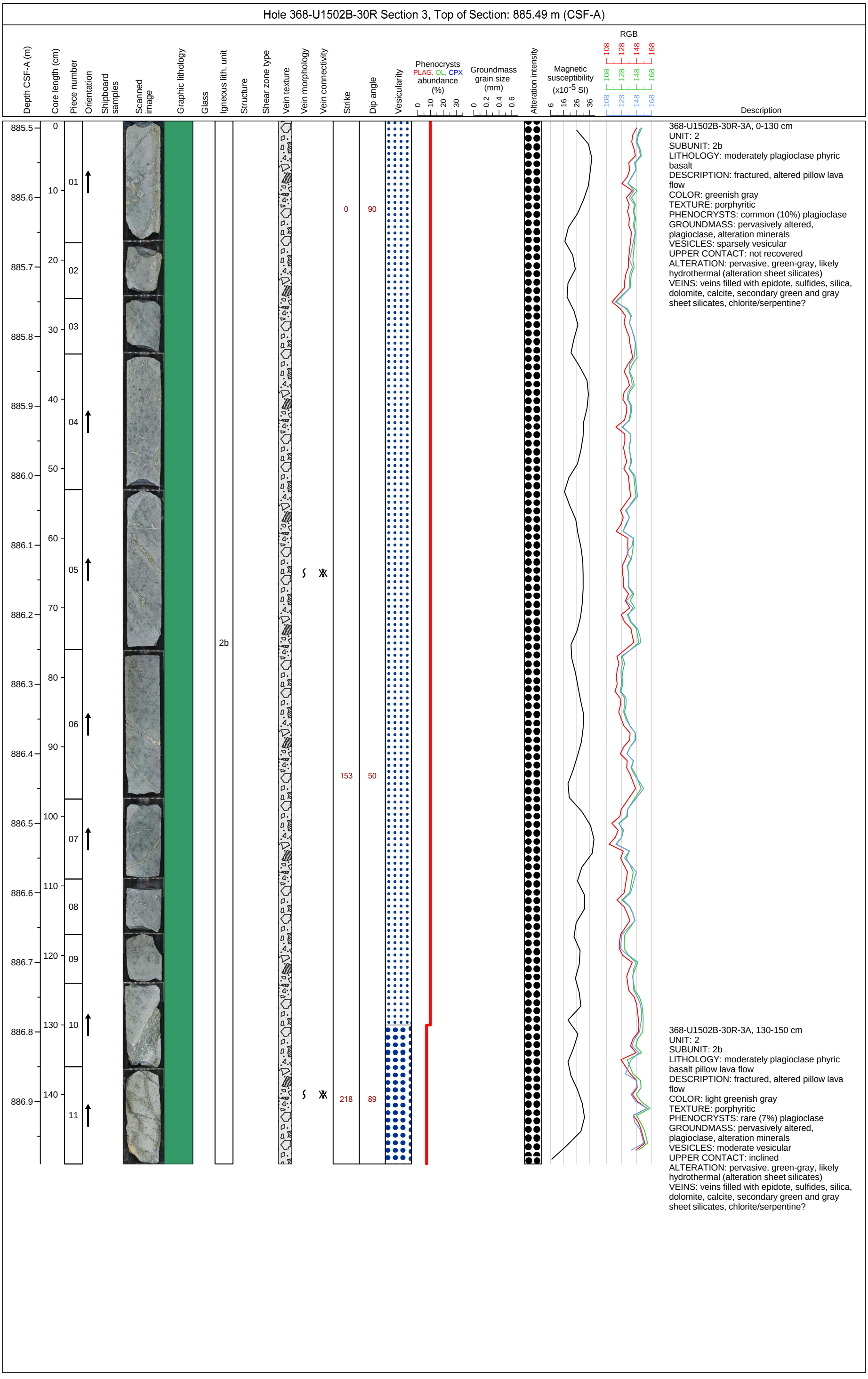


368-U1502B-30R-2A, 0-30 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt pillow lava flow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

368-U1502B-30R-2A, 30-123 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt pillow lava flow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (7%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: irregular, inclined
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

368-U1502B-30R-1A, 123-139 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt pillow lava flow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: irregular, curved
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

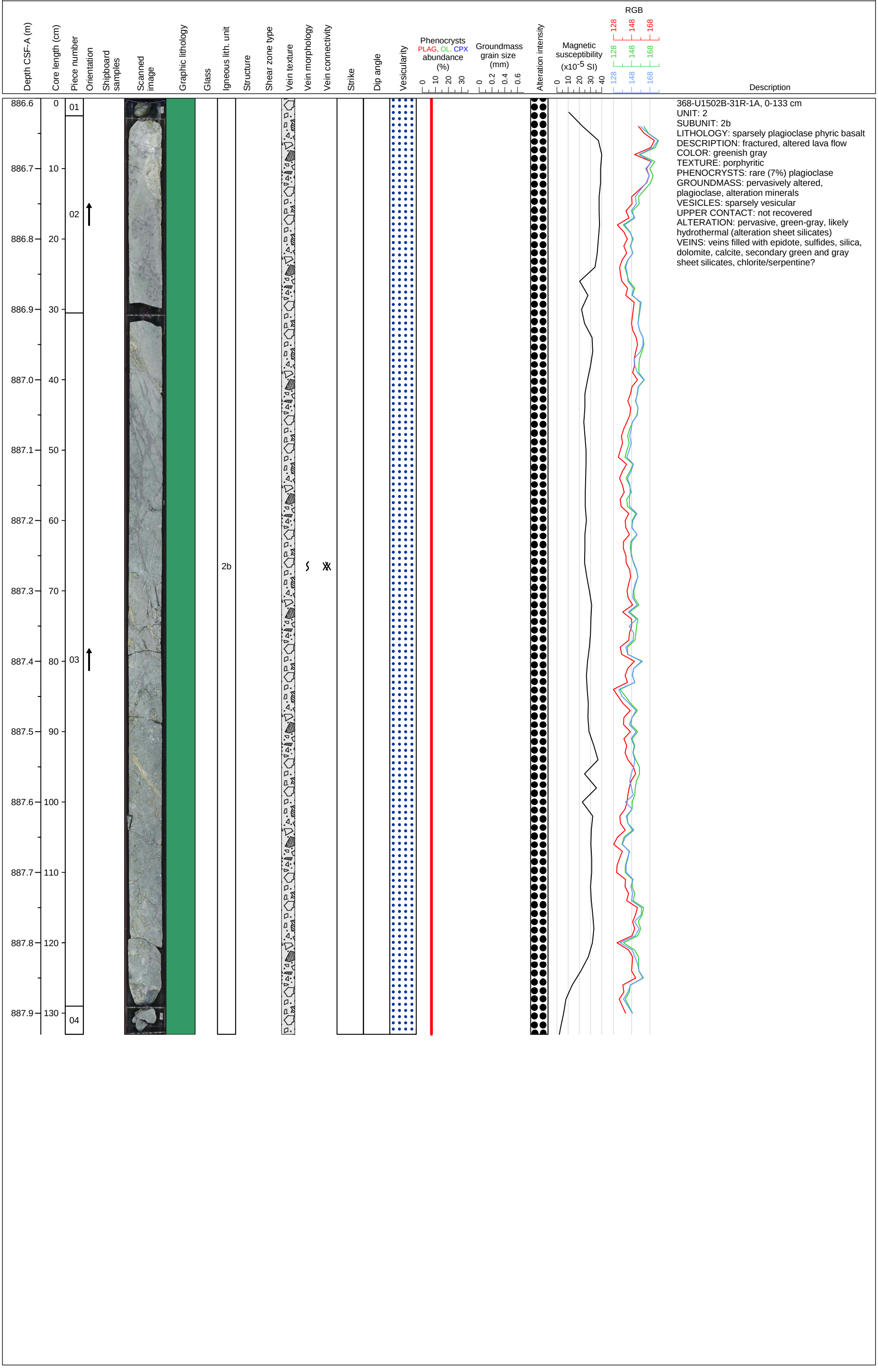
Hole 368-U1502B-30R Section 3, Top of Section: 885.49 m (CSF-A)



368-U1502B-30R-3A, 0-130 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured, altered pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

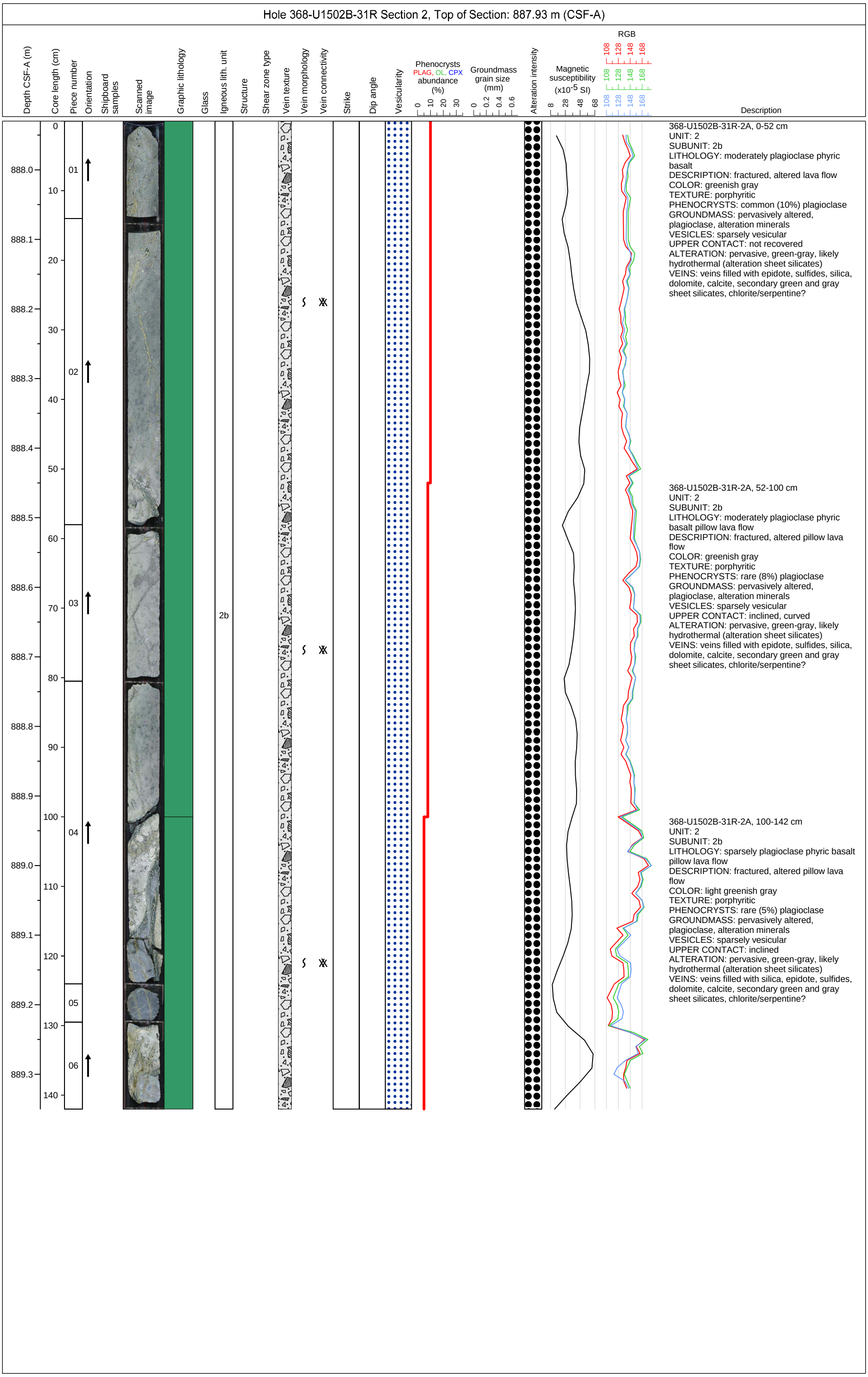
368-U1502B-30R-3A, 130-150 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt pillow lava flow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: light greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (7%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: moderate vesicular
UPPER CONTACT: inclined
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

Hole 368-U1502B-31R Section 1, Top of Section: 886.6 m (CSF-A)



368-U1502B-31R-1A, 0-133 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (7%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

Hole 368-U1502B-31R Section 2, Top of Section: 887.93 m (CSF-A)



368-U1502B-31R-2A, 0-52 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

368-U1502B-31R-2A, 52-100 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt pillow lava flow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (8%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: inclined, curved
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

368-U1502B-31R-2A, 100-142 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt pillow lava flow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: light greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: inclined
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with silica, epidote, sulfides, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

Hole 368-U1502B-31R Section 3, Top of Section: 889.35 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Groundmass grain size (mm) | Alteration intensity | Magnetic susceptibility ($x10^{-5}$ SI) | RGB | Description

889.4 | 0 | 10 | 01 | MAD

889.5 | 20

889.6 | 30 | 02

889.7 | 03

889.8 | 40 | 04

889.9 | 50 | 60 | 05

890.0 | 70 | 2b

890.1 | 06 | 80

890.2 | 90

890.3 | 07 | 100

890.4 | 110

890.5 | 08 | 120

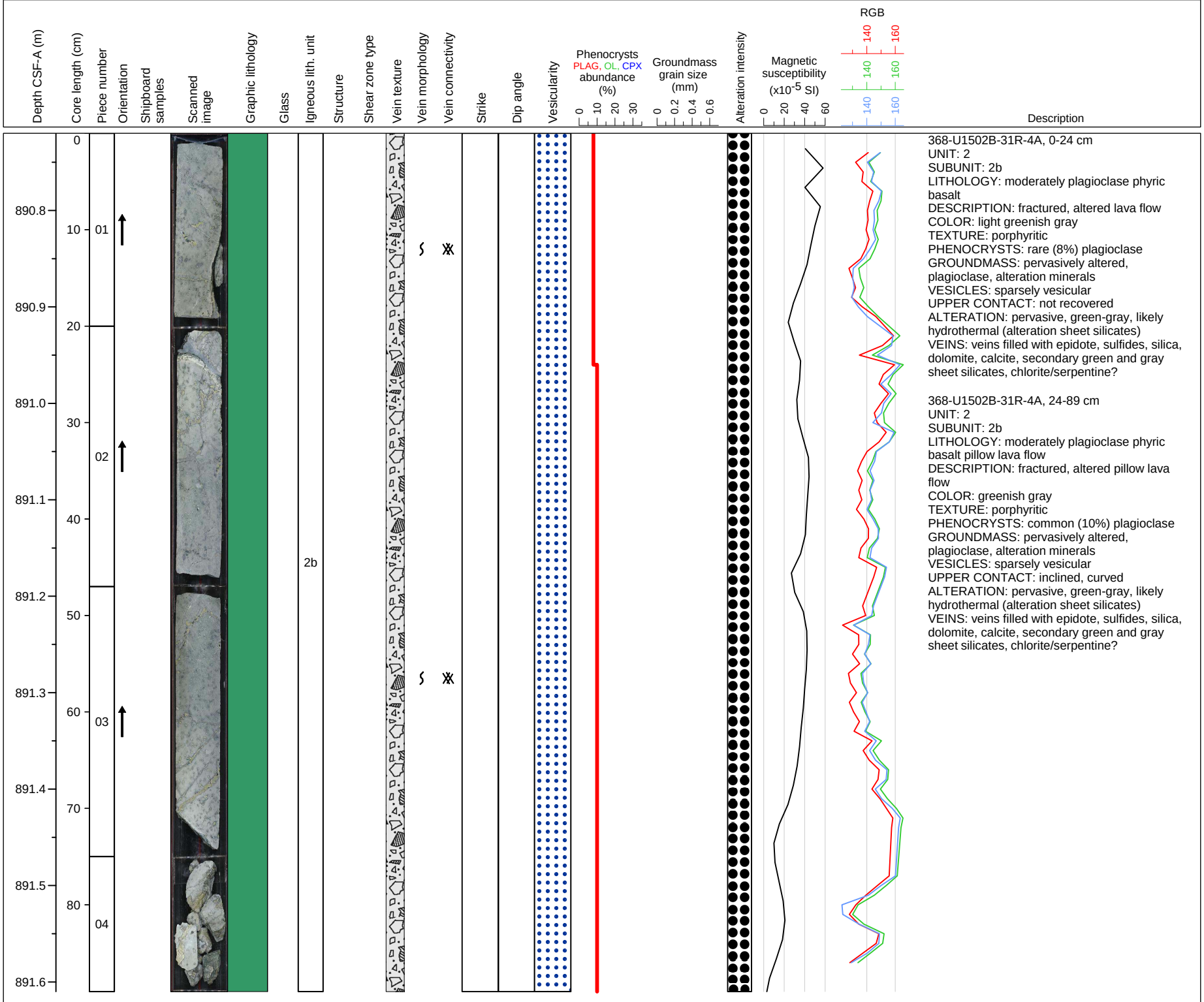
890.6 | 130 | 09

890.7

368-U1502B-31R-3A, 0-68 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt pillow lava flow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: light greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (7%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: moderately vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with silica, epidote, sulfides, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

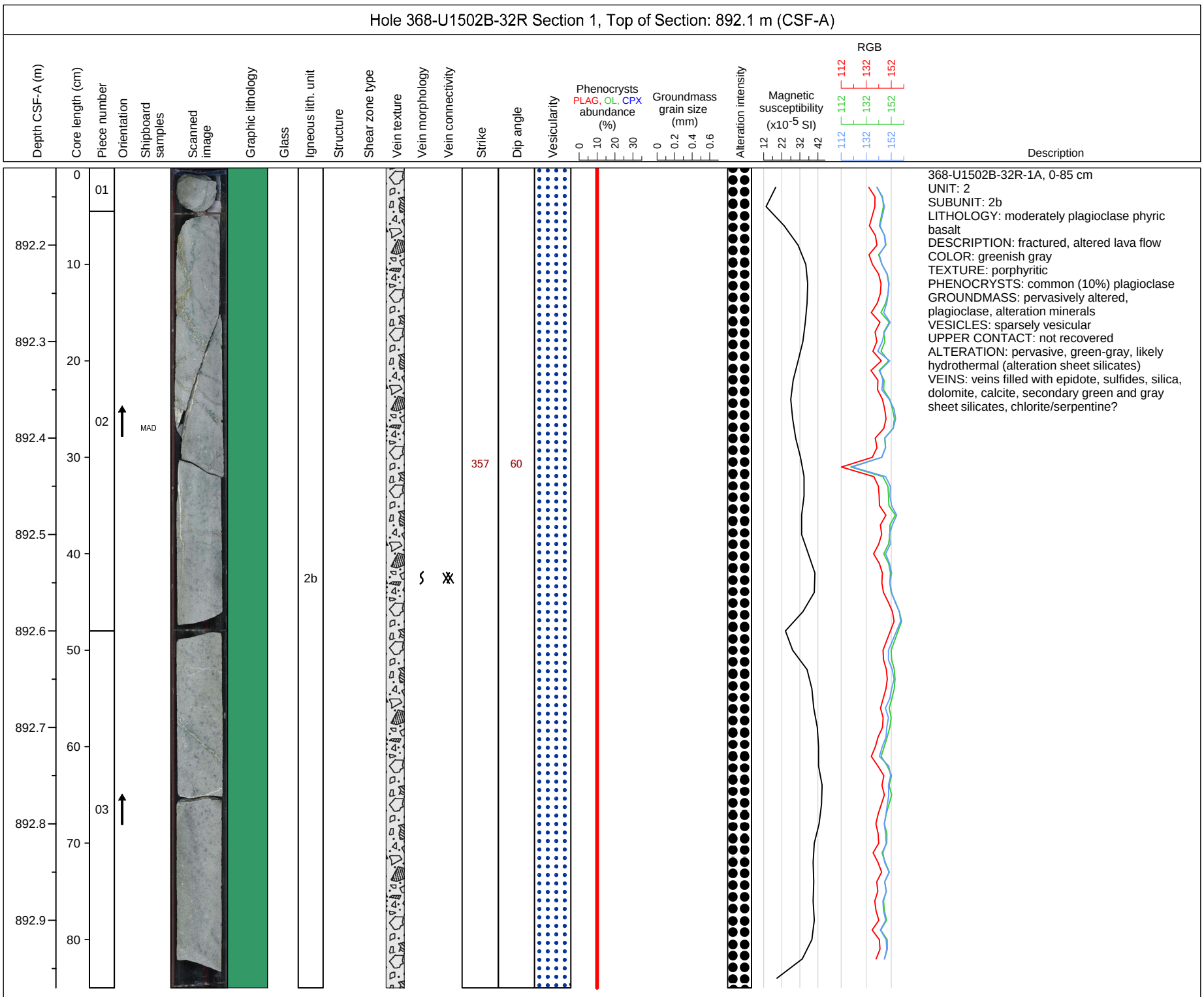
368-U1502B-31R-3A, 68-137 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (7%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: irregular
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

Hole 368-U1502B-31R Section 4, Top of Section: 890.72 m (CSF-A)

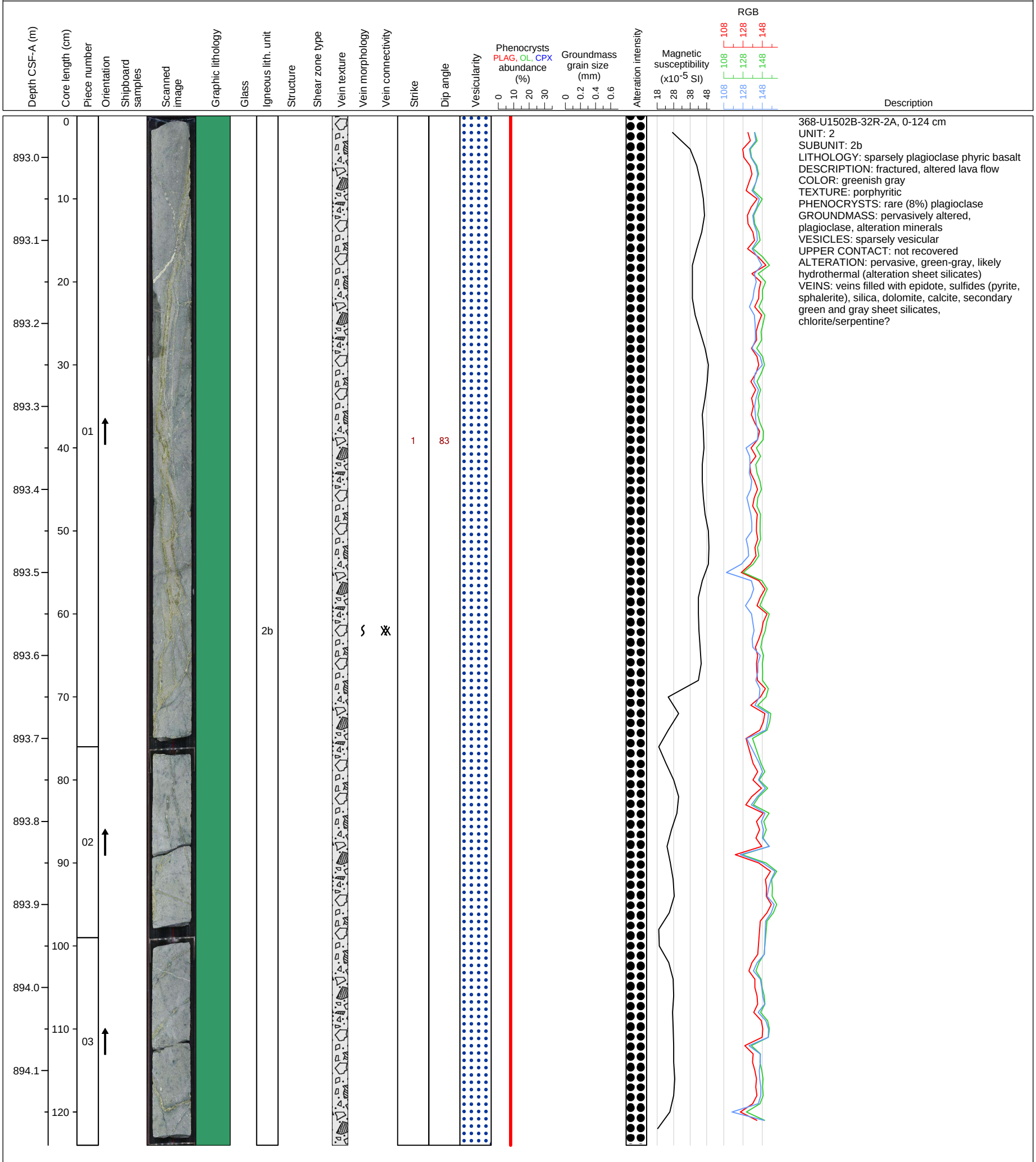


368-U1502B-31R-4A, 0-24 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: light greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (8%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

368-U1502B-31R-4A, 24-89 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt pillow lava flow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: inclined, curved
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

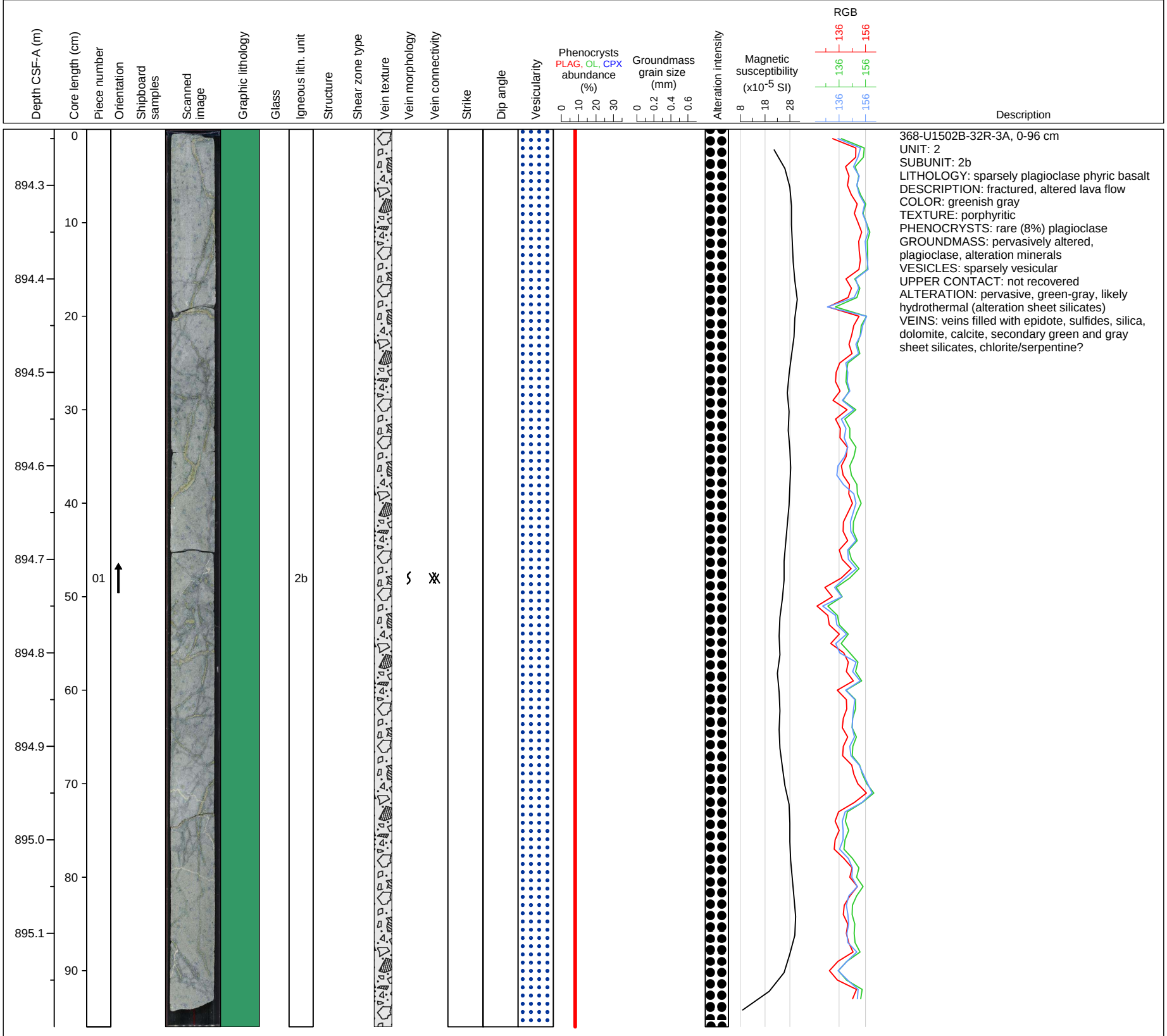

Hole 368-U1502B-32R Section 1, Top of Section: 892.1 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
892.2
892.3
892.4
892.5
892.6
892.7
892.8
892.9
01
02
03
MAD
2b
357
60
368-U1502B-32R-1A, 0-85 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

Hole 368-U1502B-32R Section 2, Top of Section: 892.95 m (CSF-A)



368-U1502B-32R-2A, 0-124 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (8%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides (pyrite, sphalerite), silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

Hole 368-U1502B-32R Section 3, Top of Section: 894.19 m (CSF-A)



Hole 368-U1502B-32R Section 4, Top of Section: 895.15 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) | Groundmass grain size (mm) | Alteration intensity | Magnetic susceptibility (x10^{-5} SI) | RGB | Description

895.2 | 0
895.3 | 10
895.4 | 20
895.5 | 30
895.6 | 40
895.7 | 50
895.8 | 60
895.9 | 70
896.0 | 80
896.1 | 90
896.2 | 100
896.3 | 110
896.4 | 120
896.5 | 130

01 | 02 | 03 | 04

2b

176 | 76

368-U1502B-32R-4A, 0-136 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (5%) plagioclase
GROUNDMASS: pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive, green-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with epidote, sulfides, silica, dolomite, calcite, secondary green and gray sheet silicates, chlorite/serpentine?

Hole 368-U1502B-33R Section 1, Top of Section: 896.1 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) 0 10 20 30 | Groundmass grain size (mm) 0 0.2 0.4 0.6 | Alteration intensity | Magnetic susceptibility ($x10^{-5}$ SI) 0 250 500 750 | RGB 88 108 128 148 | 88 108 128 148 | 88 108 128 148

896.1 0 — 01 — MAD

368-U1502B-33R-1A, 0-19 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: highly plagioclase phyric basalt
DESCRIPTION: lava
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with epidote, sulfides, silica, carbonate, chlorite, clay minerals

896.2 10

896.3 20

368-U1502B-33R-1A, 19-70 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: pillow lava
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: moderately vesicular
UPPER CONTACT: continous
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with epidote, sulfides, silica, carbonate, chlorite, clay minerals

896.4 30

896.5 40

896.6 50

896.7 60

896.8 70 — 2b

368-U1502B-33R-1A, 70-137 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: highly plagioclase phyric basalt
DESCRIPTION: lava
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: continuous
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with epidote, sulfides, silica, carbonate, chlorite, clay minerals

54 85

896.9 80 — 02

128 25

897.0 90

897.1 100

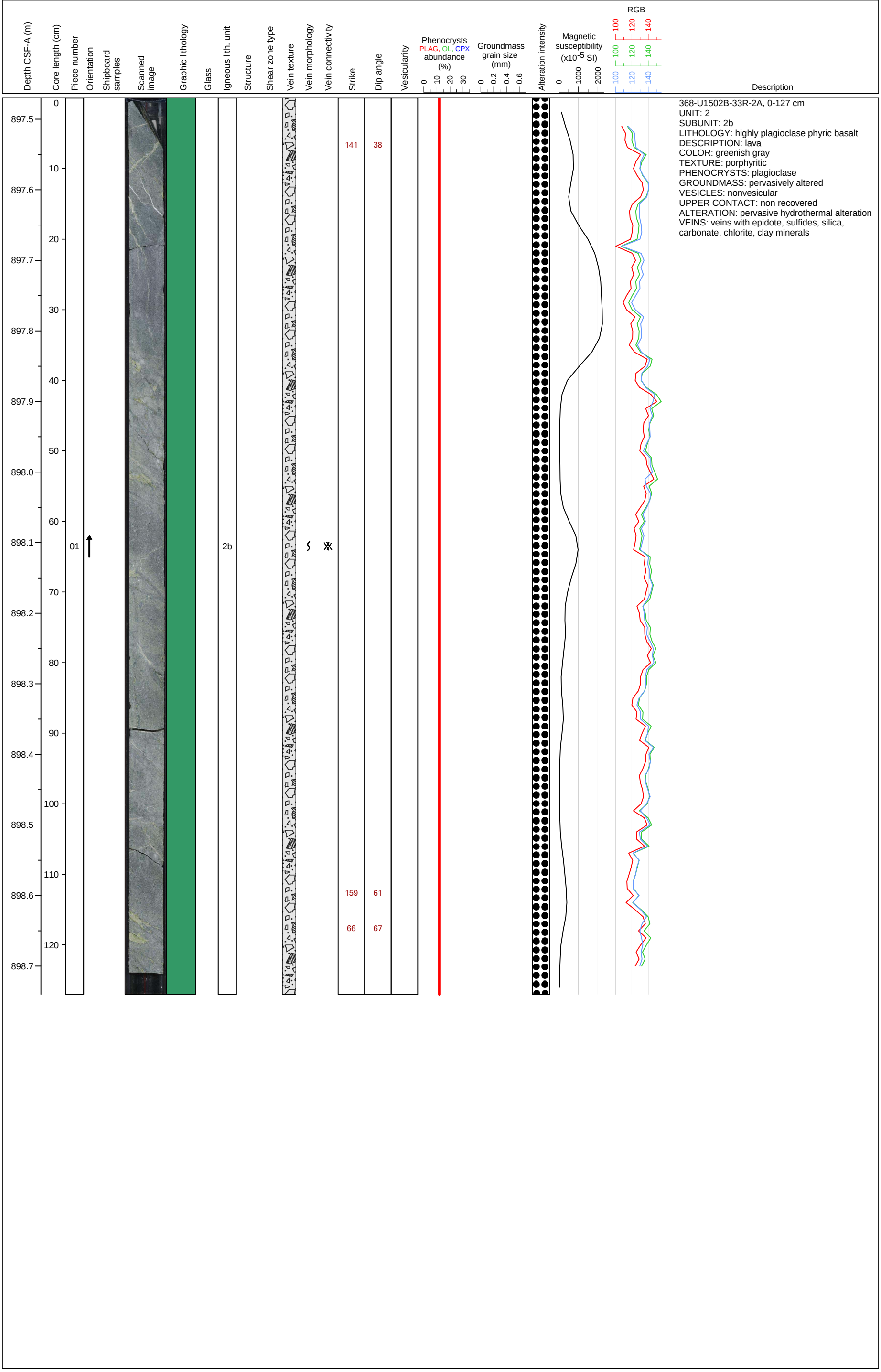
135 61

897.2 110

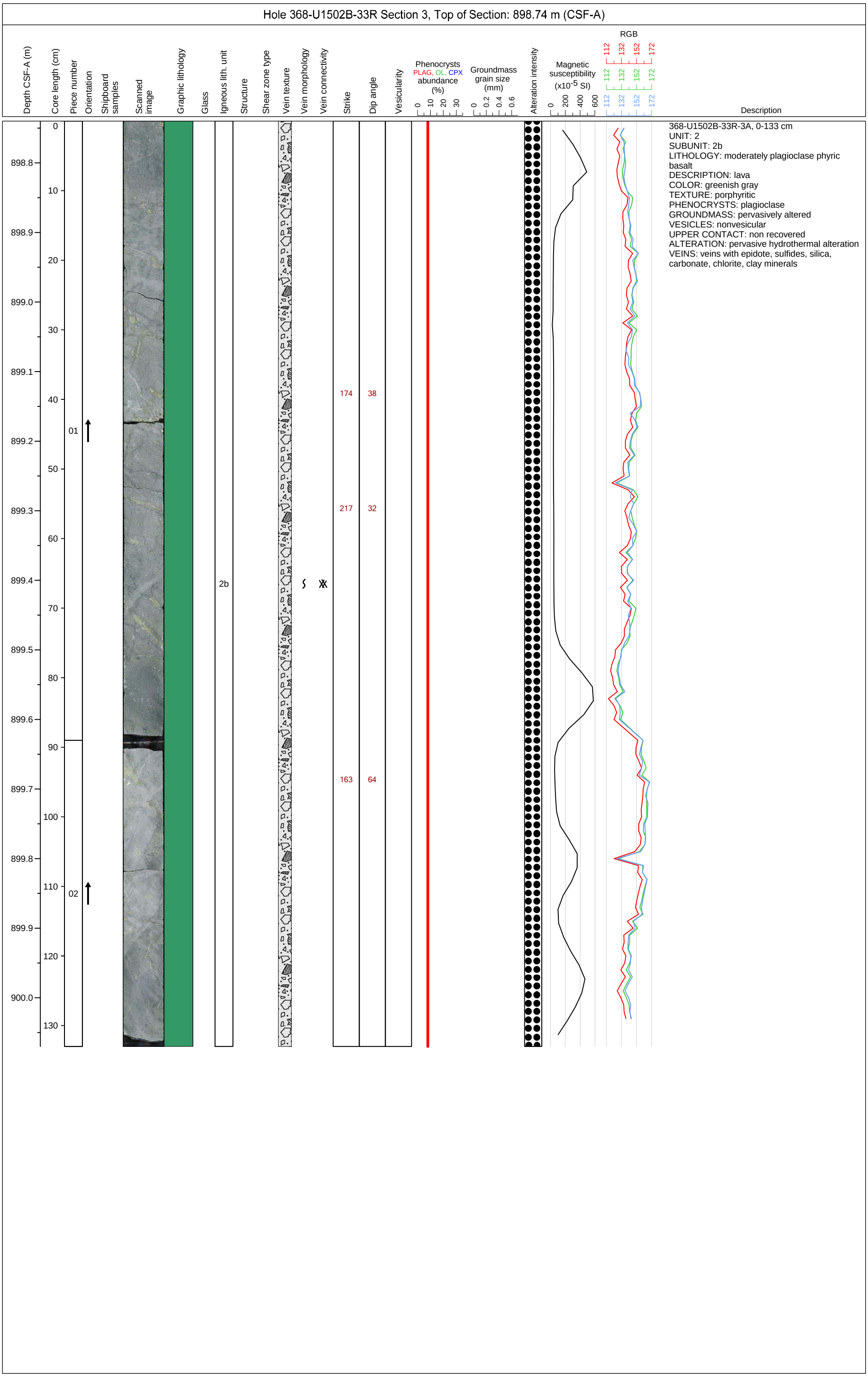
897.3 120

897.4 130 — TS XRD TSB

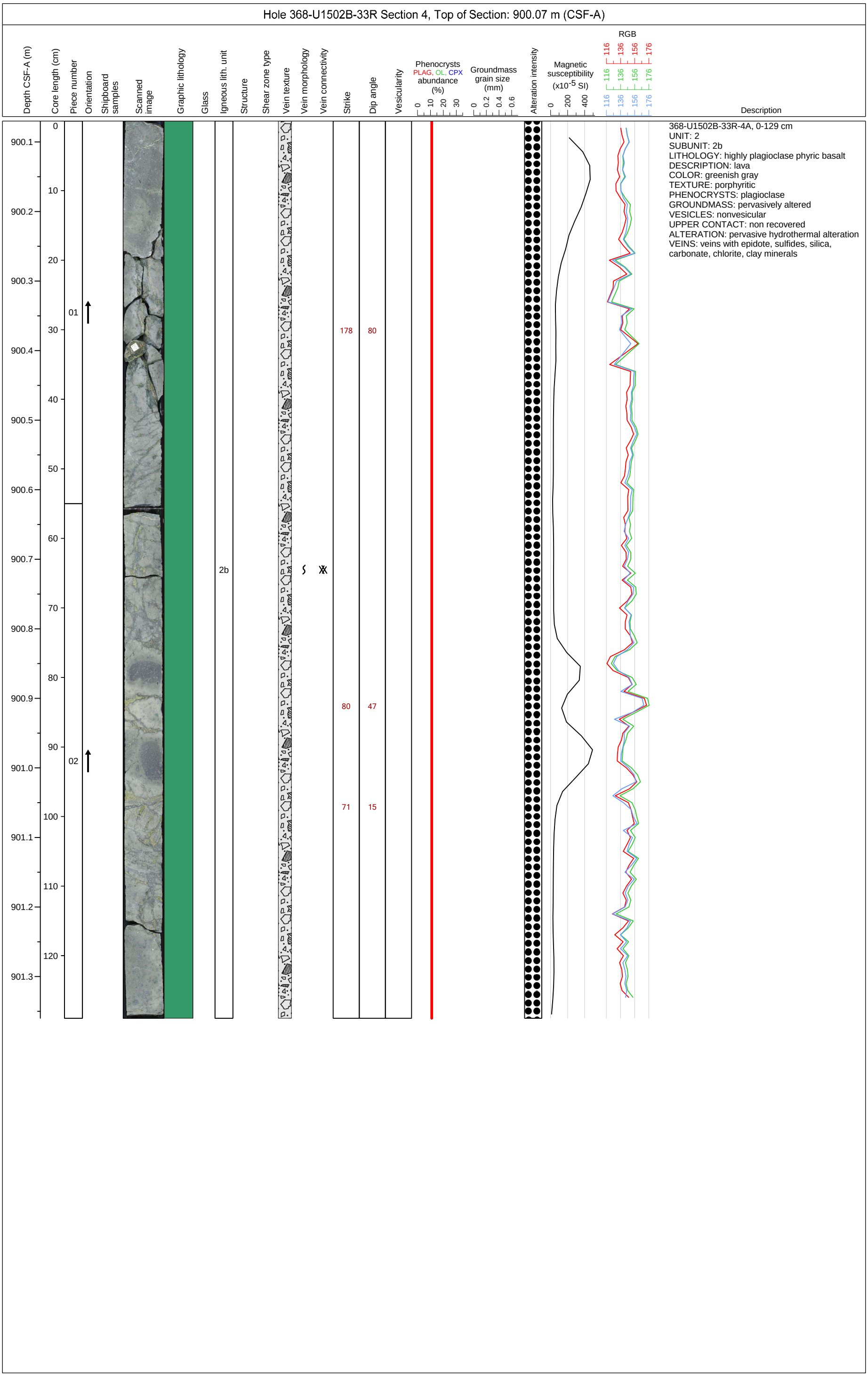
Hole 368-U1502B-33R Section 2, Top of Section: 897.47 m (CSF-A)



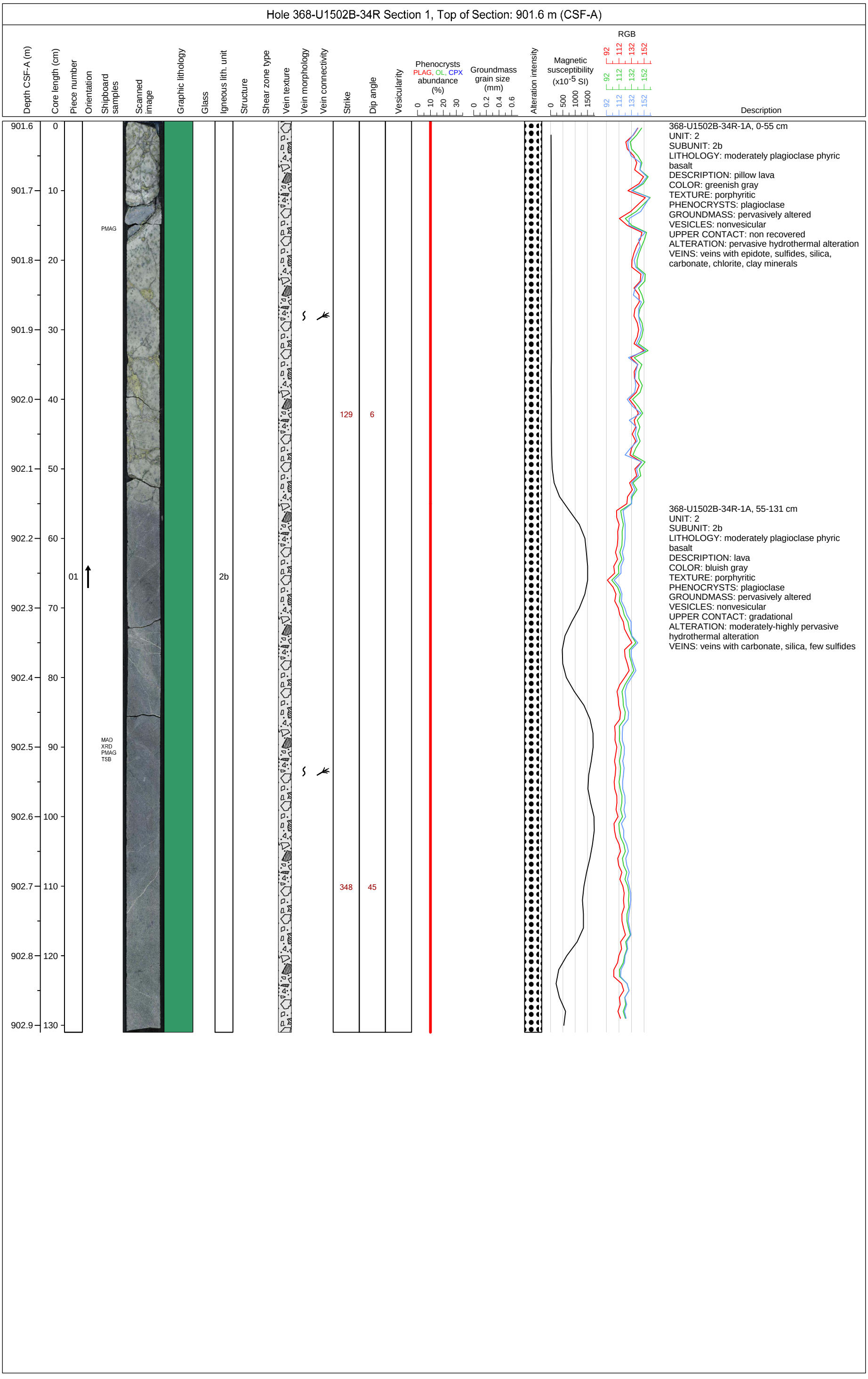
Hole 368-U1502B-33R Section 3, Top of Section: 898.74 m (CSF-A)



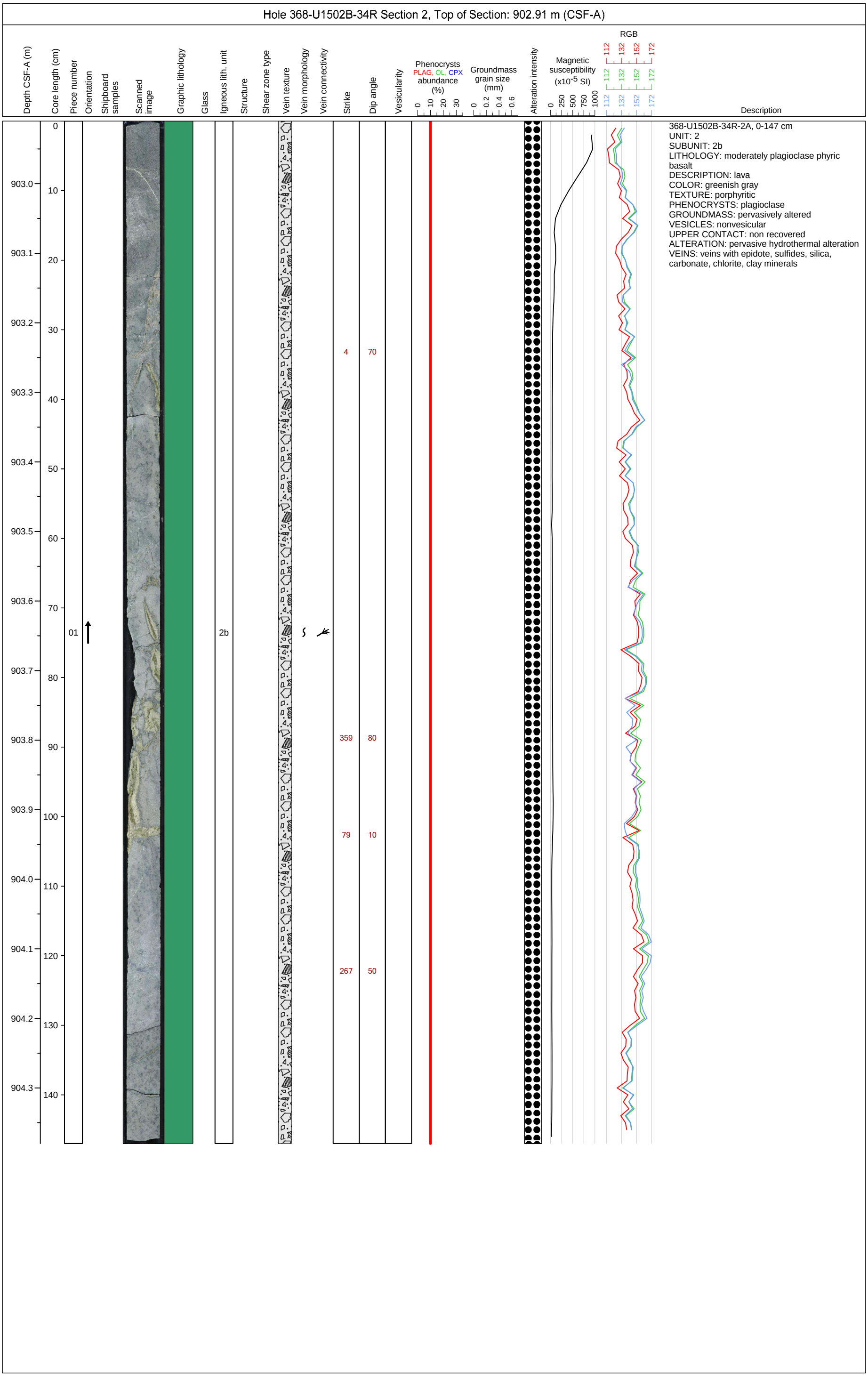
Hole 368-U1502B-33R Section 4, Top of Section: 900.07 m (CSF-A)



Hole 368-U1502B-34R Section 1, Top of Section: 901.6 m (CSF-A)



Hole 368-U1502B-34R Section 2, Top of Section: 902.91 m (CSF-A)



368-U1502B-34R-2A, 0-147 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: lava
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: non recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with epidote, sulfides, silica, carbonate, chlorite, clay minerals

Hole 368-U1502B-34R Section 3, Top of Section: 904.38 m (CSF-A)

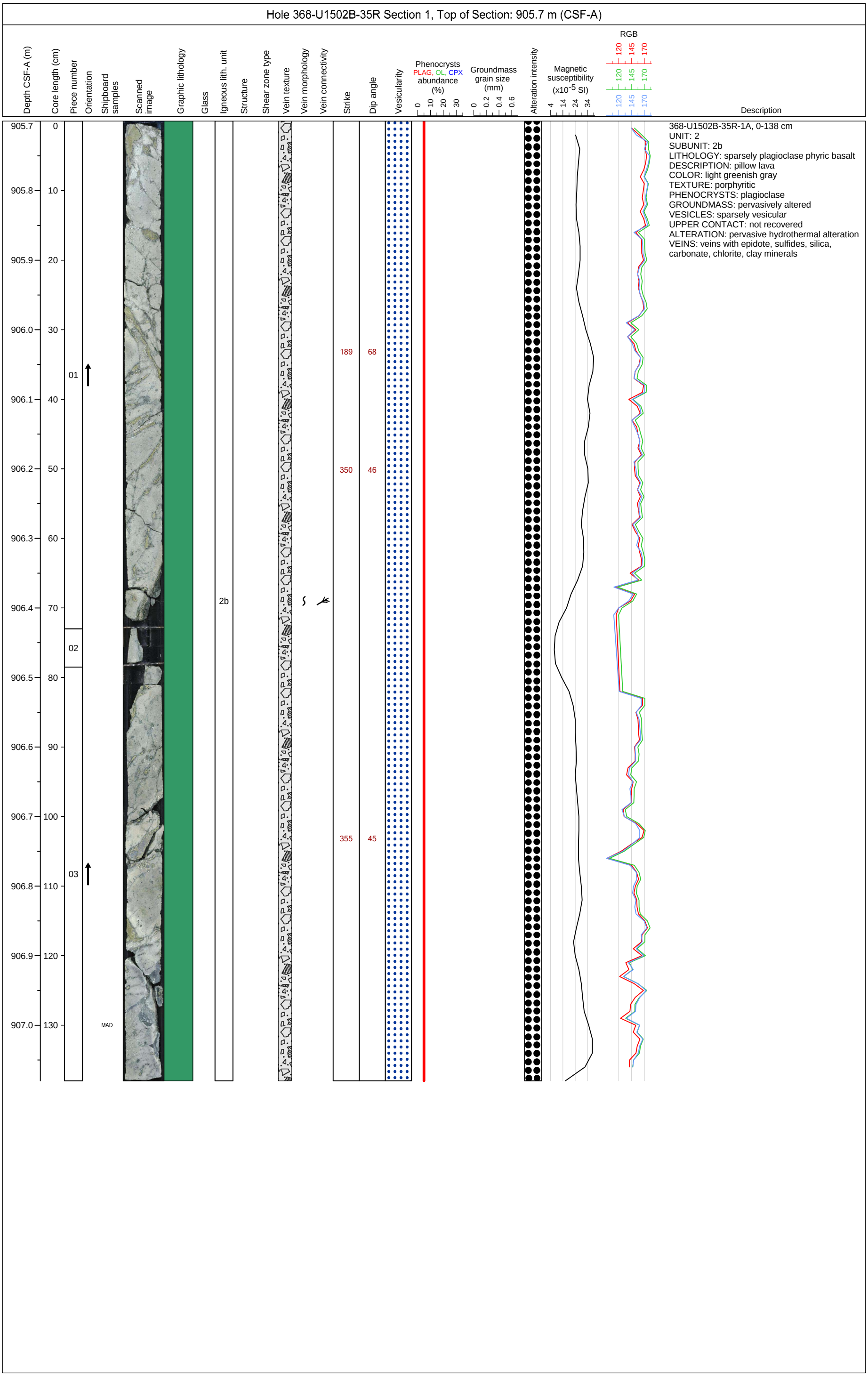
Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) (0, 10, 20, 30) | Groundmass grain size (mm) (0, 0.2, 0.4, 0.6) | Alteration intensity | Magnetic susceptibility (x10^{-5} SI) (16, 26, 36) | RGB (70, 120, 170) | Description

Depth CSF-A (m)	Core length (cm)	Piece number	Orientation	Igneous lith. unit	Strike	Dip angle
904.4	0					
904.5	10					
904.6	20	01	↑		190	59
904.7	30					
904.8	40				55	48
904.9	50					
905.0	60	02	↑	2b		
905.1	70					
905.2	80					
905.3	90					
905.4	100	03	↑		351	68
905.5	110					
905.6	120					
905.7	130					

368-U1502B-34R-3A, 0-59 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt
DESCRIPTION: lava
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: non recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with epidote, sulfides, silica, carbonate, chlorite, clay minerals

368-U1502B-34R-3A, 59-135 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: pillow lava
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: sharp
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with epidote, sulfides, silica, carbonate, chlorite, clay minerals

Hole 368-U1502B-35R Section 1, Top of Section: 905.7 m (CSF-A)



Hole 368-U1502B-35R Section 2, Top of Section: 907.08 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) 0 10 20 30 | Groundmass grain size (mm) 0 0.2 0.4 0.6 | Alteration intensity | Magnetic susceptibility ($x10^{-5}$ SI) 0 200 400 600 | RGB 115 140 165 115 140 165 115 140 165 | Description

907.1 907.2 907.3 907.4 907.5 907.6 907.7 907.8 907.9 908.0 908.1 908.2 908.3 908.4 908.5

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

01 02 03

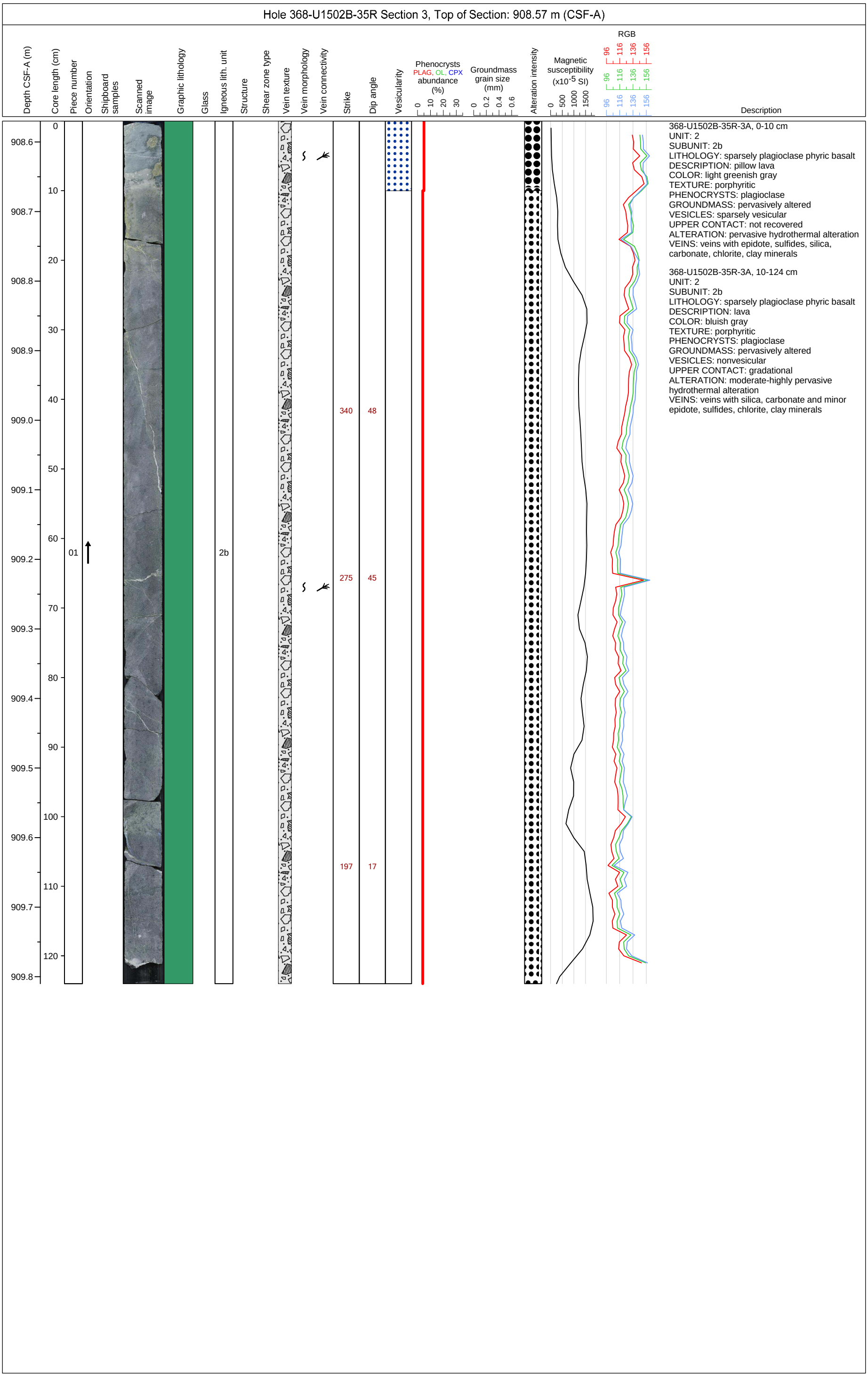
2b

236 292 198 174

7 5 42 40

368-U1502B-35R-2A, 0-149 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: pillow lava
COLOR: light greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with epidote, sulfides, silica, carbonate, chlorite, clay minerals

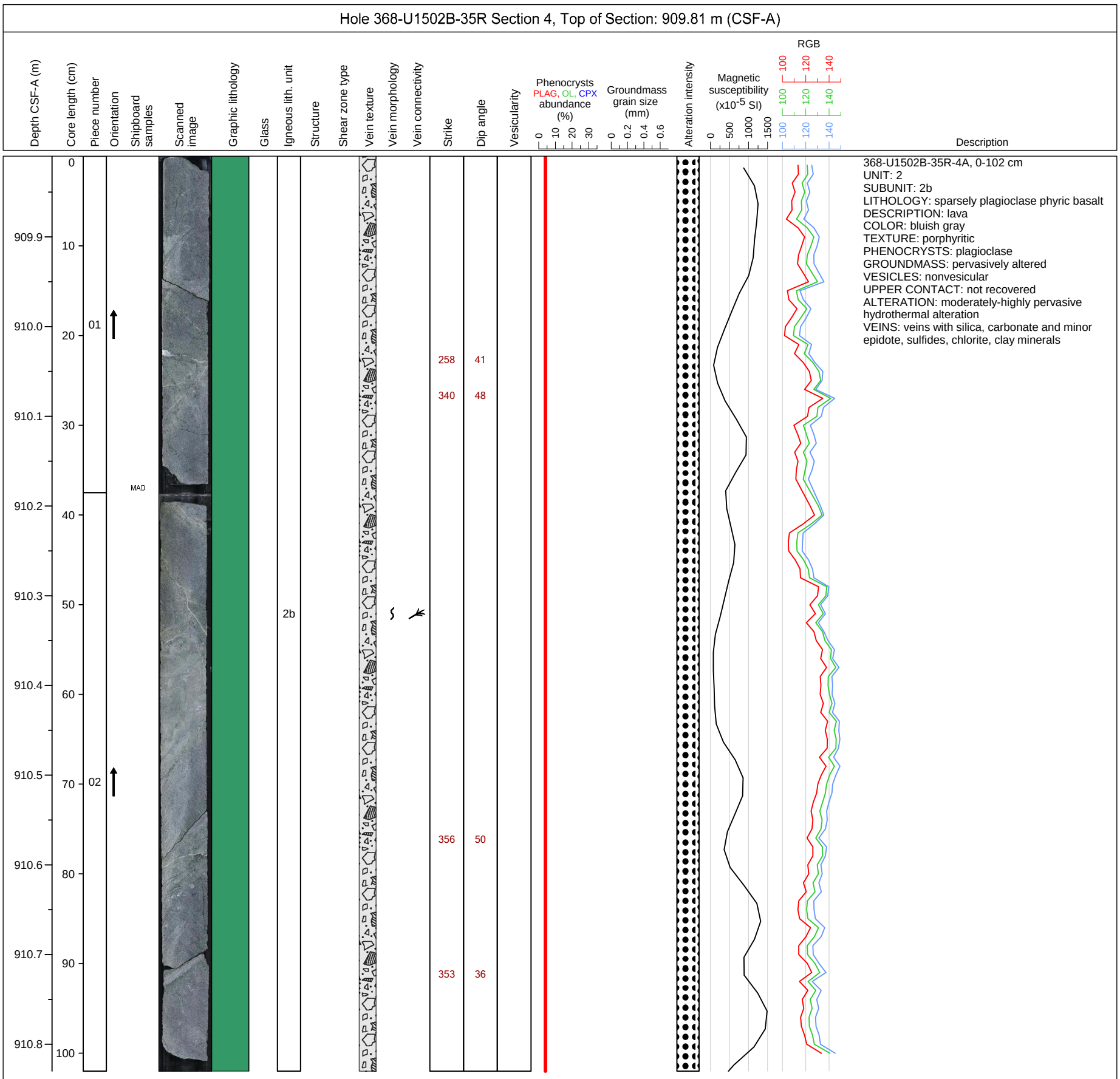
Hole 368-U1502B-35R Section 3, Top of Section: 908.57 m (CSF-A)



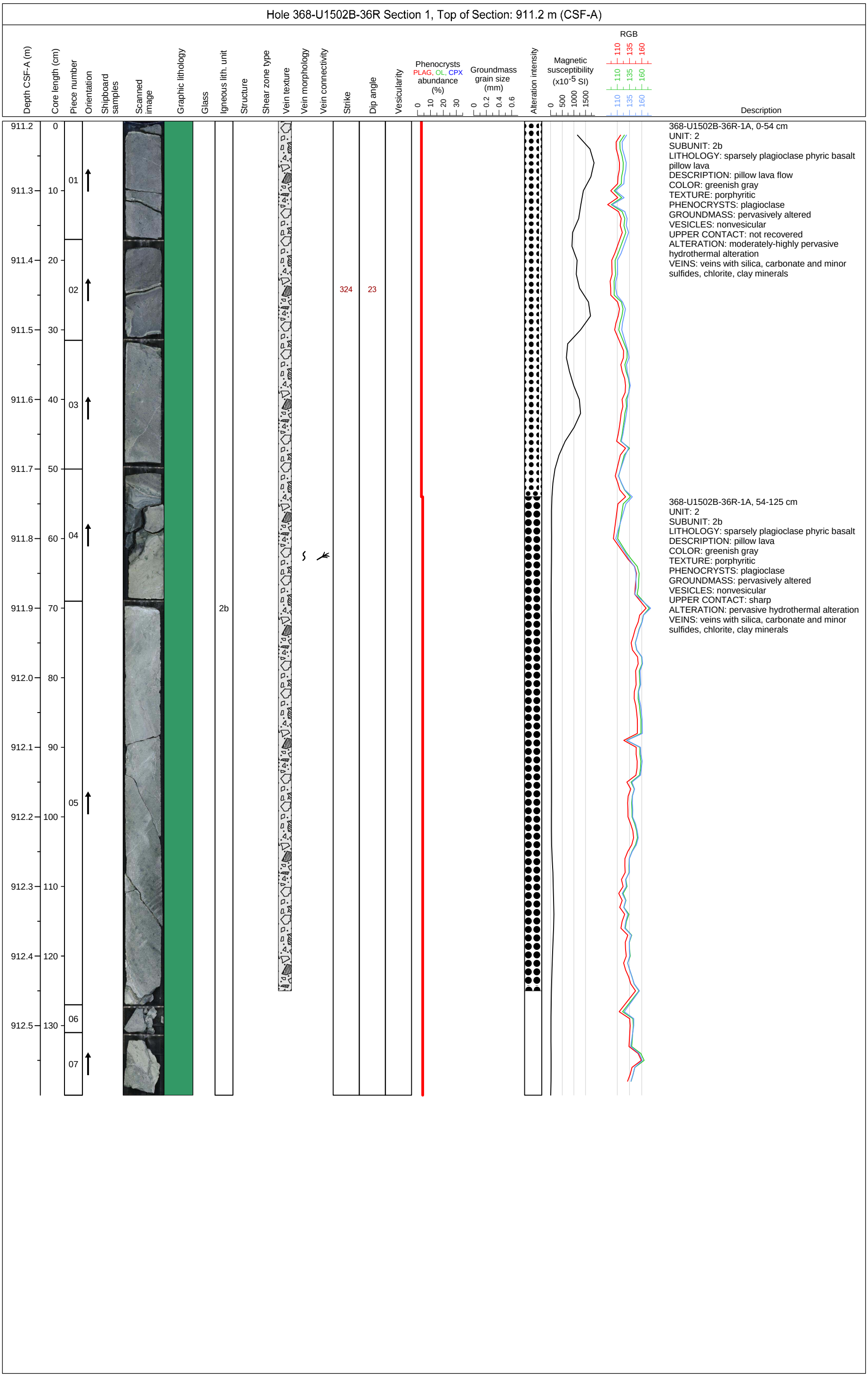
368-U1502B-35R-3A, 0-10 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: pillow lava
COLOR: light greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with epidote, sulfides, silica, carbonate, chlorite, clay minerals

368-U1502B-35R-3A, 10-124 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: lava
COLOR: bluish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: gradational
ALTERATION: moderate-highly pervasive hydrothermal alteration
VEINS: veins with silica, carbonate and minor epidote, sulfides, chlorite, clay minerals

Hole 368-U1502B-35R Section 4, Top of Section: 909.81 m (CSF-A)



Hole 368-U1502B-36R Section 1, Top of Section: 911.2 m (CSF-A)



368-U1502B-36R-1A, 0-54 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt pillow lava
DESCRIPTION: pillow lava flow
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: moderately-highly pervasive hydrothermal alteration
VEINS: veins with silica, carbonate and minor sulfides, chlorite, clay minerals

368-U1502B-36R-1A, 54-125 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: pillow lava
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: sharp
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with silica, carbonate and minor sulfides, chlorite, clay minerals

Hole 368-U1502B-36R Section 2, Top of Section: 912.6 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) (0, 10, 20, 30) | Groundmass grain size (mm) (0, 0.2, 0.4, 0.6) | Alteration intensity | Magnetic susceptibility ($x10^{-5}$ SI) (0, 200, 400, 600) | RGB (100, 120, 140, 160)

912.6 | 0 | 01
912.7 | 10
912.8 | 20 | 02
912.9 | 30 | 127 | 40
913.0 | 40 | 03
913.1 | 50
913.2 | 60 | 04
913.3 | 70 | 05 | 2b
913.4 | 80 | 06
913.5 | 90 | 07 | 135 | 14
913.6 | 100 | 08
913.7 | 110 | 09 | fr | 224 | 48
913.8 | 120 | 10
913.9 | 130 | 11
914.0 | 140 | 12

Description

368-U1502B-36R-2A, 0-4 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: pillow lava
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with silica, carbonate, chlorite, clay minerals

368-U1502B-36R-2A, 4-125 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: brecciated
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: sharp
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with silica, carbonate, epidote, chlorite, clay minerals

Hole 368-U1502B-36R Section 3, Top of Section: 914.03 m (CSF-A)

Depth CSF-A (m) | Core length (cm) | Piece number | Orientation | Shipboard samples | Scanned image | Graphic lithology | Glass | Igneous lith. unit | Structure | Shear zone type | Vein texture | Vein morphology | Vein connectivity | Strike | Dip angle | Vesicularity | Phenocrysts PLAG, OL, CPX abundance (%) (0, 10, 20, 30) | Groundmass grain size (mm) (0, 0.2, 0.4, 0.6) | Alteration intensity | Magnetic susceptibility ($x10^{-5}$ SI) (0, 1000, 2000, 3000) | RGB (88, 108, 128, 148) | Description

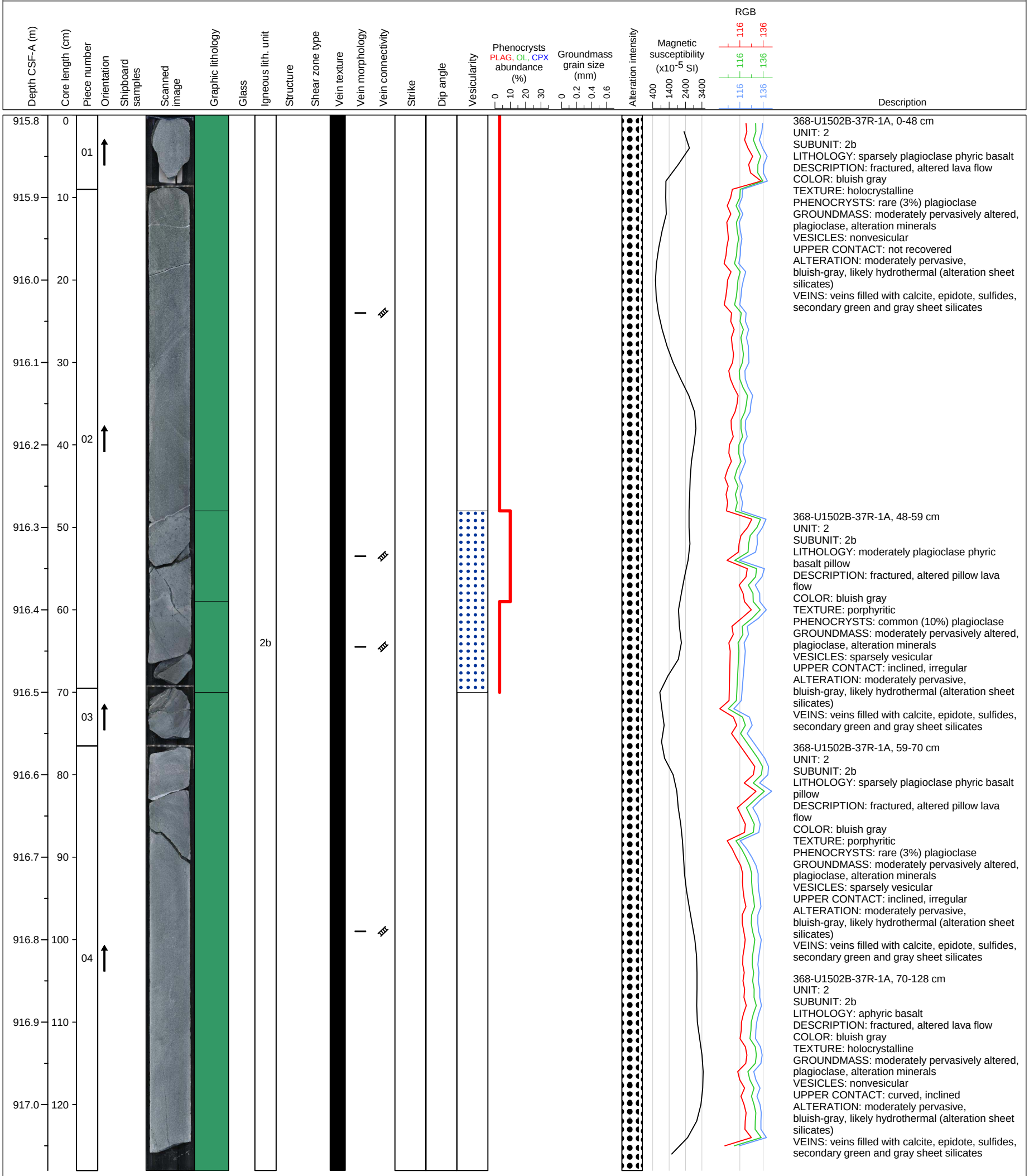
914.1 | 0 | 01 | MAD
914.2 | 10 | 02
914.2 | 20 | 03
914.3 | 30 | 04
914.4 | 40 | 05
914.5 | 50
914.6 | 60
914.7 | 70 | 06
914.8 | 80
914.9 | 90
915.0 | 100 | 07
915.1 | 110
915.2 | 120 | 08
915.3 | 130

2b

368-U1502B-36R-3A, 0-41 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: brecciated
COLOR: greenish gray
TEXTURE: porphyritic
PHENOCRYSTS: plagioclase
GROUNDMASS: pervasively altered
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with silica, carbonate, epidote, chlorite, clay minerals

368-U1502B-36R-3A, 41-125 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: aphyric basalt
DESCRIPTION: lava
COLOR: dark greenish gray
TEXTURE: holocrystalline
PHENOCRYSTS: none
GROUNDMASS: pervasively altered
VESICLES: nonvesicular
UPPER CONTACT: gradational
ALTERATION: pervasive hydrothermal alteration
VEINS: veins with silica, carbonate with minor epidote, clay minerals

Hole 368-U1502B-37R Section 1, Top of Section: 915.8 m (CSF-A)



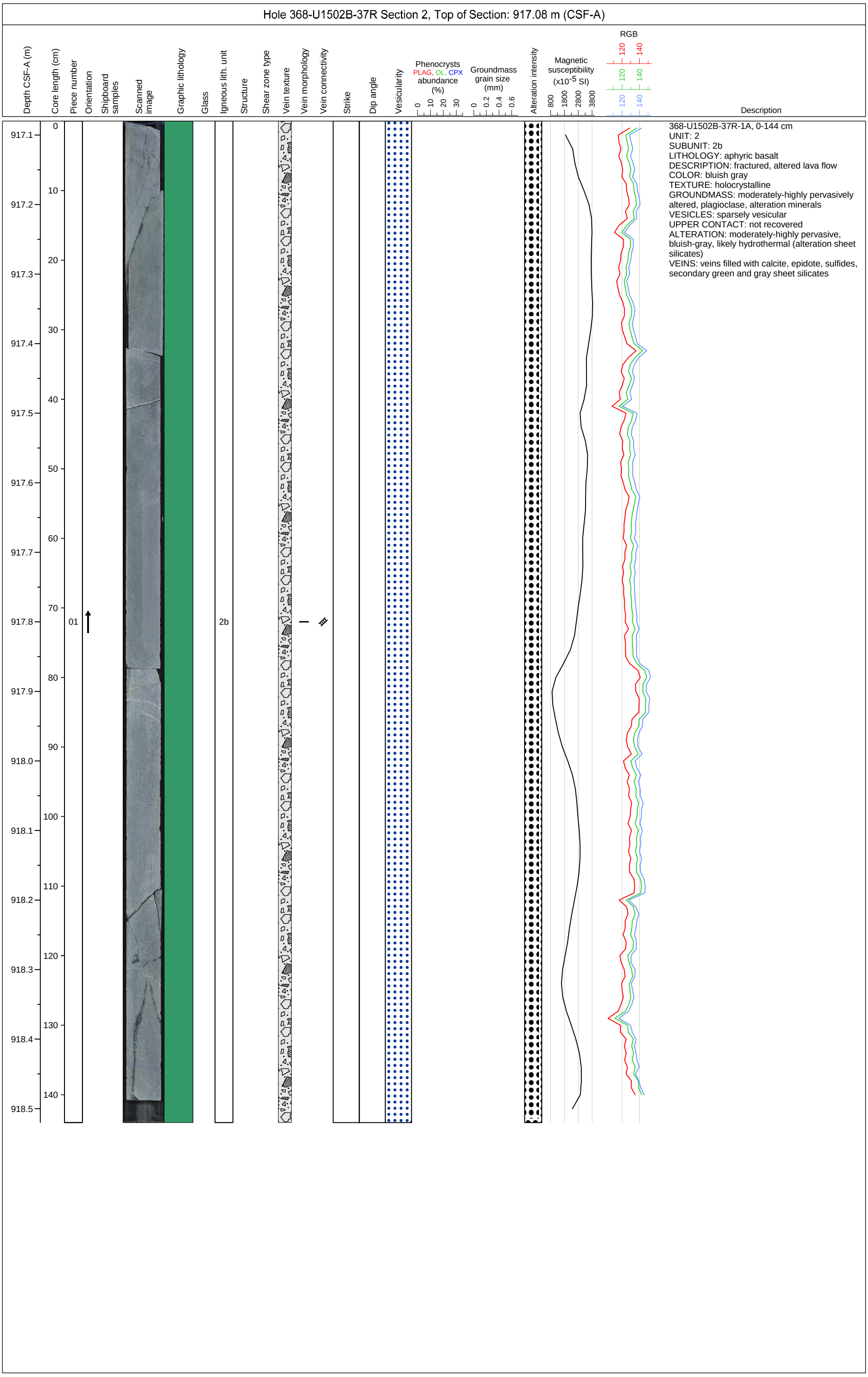
368-U1502B-37R-1A, 0-48 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: bluish gray
TEXTURE: holocrystalline
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: moderately pervasively altered, plagioclase, alteration minerals
VESICLES: nonvesicular
UPPER CONTACT: not recovered
ALTERATION: moderately pervasive, bluish-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with calcite, epidote, sulfides, secondary green and gray sheet silicates

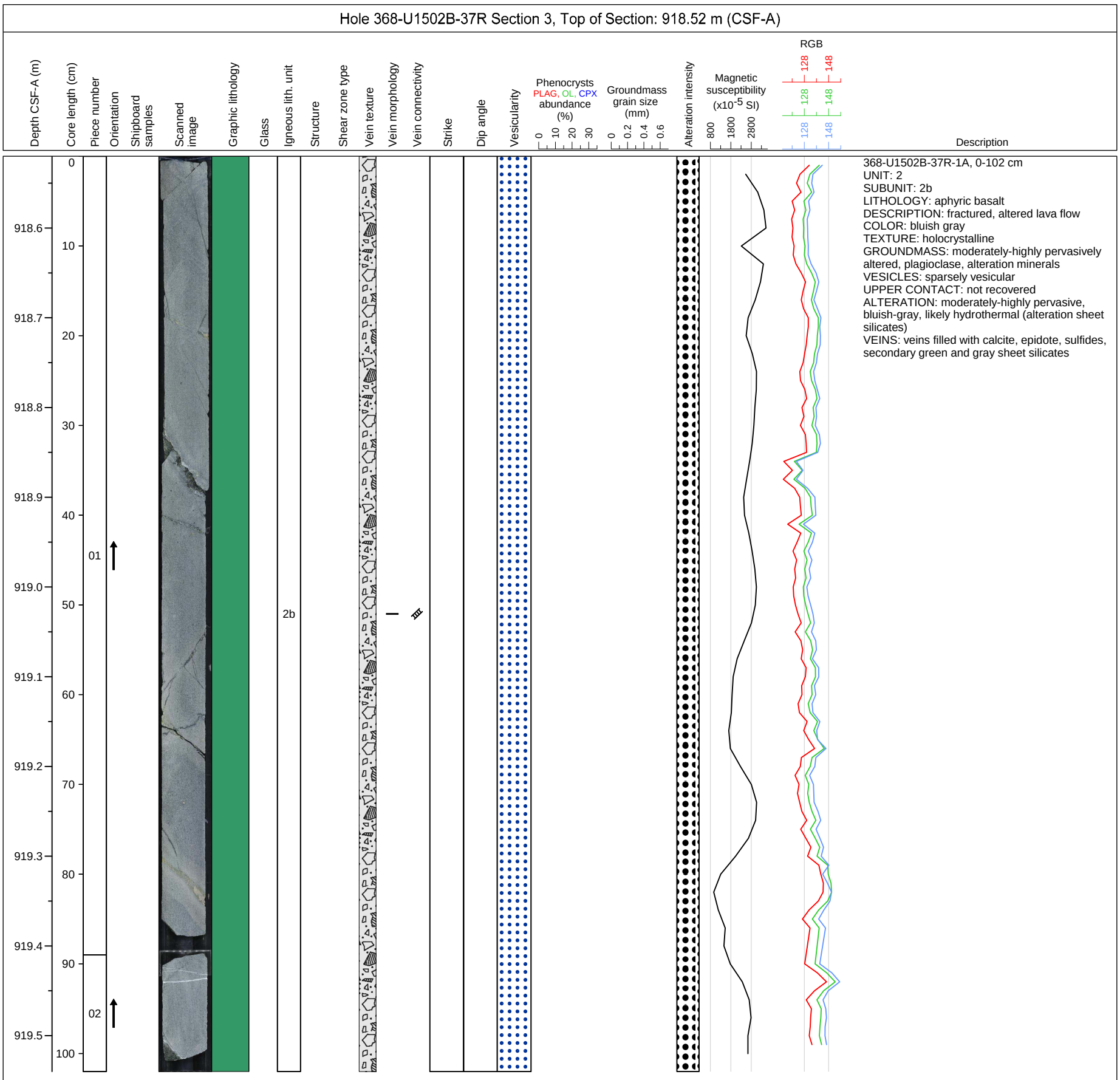
368-U1502B-37R-1A, 48-59 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: moderately plagioclase phyric basalt pillow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: bluish gray
TEXTURE: porphyritic
PHENOCRYSTS: common (10%) plagioclase
GROUNDMASS: moderately pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: inclined, irregular
ALTERATION: moderately pervasive, bluish-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with calcite, epidote, sulfides, secondary green and gray sheet silicates

368-U1502B-37R-1A, 59-70 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: sparsely plagioclase phyric basalt pillow
DESCRIPTION: fractured, altered pillow lava flow
COLOR: bluish gray
TEXTURE: porphyritic
PHENOCRYSTS: rare (3%) plagioclase
GROUNDMASS: moderately pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: inclined, irregular
ALTERATION: moderately pervasive, bluish-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with calcite, epidote, sulfides, secondary green and gray sheet silicates

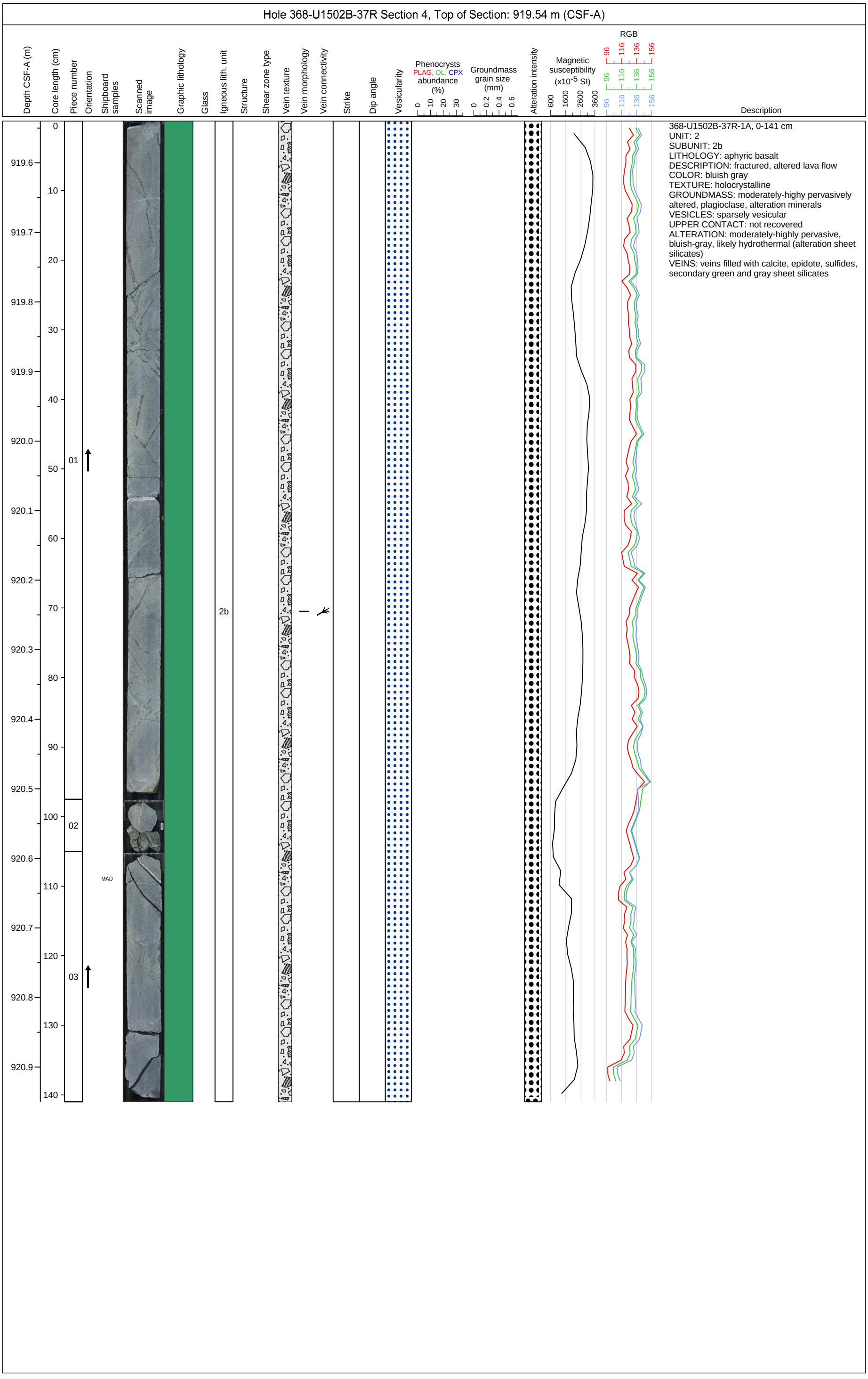
368-U1502B-37R-1A, 70-128 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: aphyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: bluish gray
TEXTURE: holocrystalline
GROUNDMASS: moderately pervasively altered, plagioclase, alteration minerals
VESICLES: nonvesicular
UPPER CONTACT: curved, inclined
ALTERATION: moderately pervasive, bluish-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with calcite, epidote, sulfides, secondary green and gray sheet silicates

Hole 368-U1502B-37R Section 2, Top of Section: 917.08 m (CSF-A)




Hole 368-U1502B-37R Section 3, Top of Section: 918.52 m (CSF-A)
Depth CSF-A (m)
Core length (cm)
Piece number
Orientation
Shipboard samples
Scanned image
Graphic lithology
Glass
Igneous lith. unit
Structure
Shear zone type
Vein texture
Vein morphology
Vein connectivity
Strike
Dip angle
Vesicularity
Phenocrysts PLAG, OL, CPX abundance (%)
Groundmass grain size (mm)
Alteration intensity
Magnetic susceptibility (x10-5 SI)
RGB
Description
01
02
2b
368-U1502B-37R-1A, 0-102 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: aphyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: bluish gray
TEXTURE: holocrystalline
GROUNDMASS: moderately-highly pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: moderately-highly pervasive, bluish-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with calcite, epidote, sulfides, secondary green and gray sheet silicates

Hole 368-U1502B-37R Section 4, Top of Section: 919.54 m (CSF-A)



368-U1502B-37R-1A, 0-141 cm
UNIT: 2
SUBUNIT: 2b
LITHOLOGY: aphyric basalt
DESCRIPTION: fractured, altered lava flow
COLOR: bluish gray
TEXTURE: holocrystalline
GROUNDMASS: moderately-highy pervasively altered, plagioclase, alteration minerals
VESICLES: sparsely vesicular
UPPER CONTACT: not recovered
ALTERATION: moderately-highly pervasive, bluish-gray, likely hydrothermal (alteration sheet silicates)
VEINS: veins filled with calcite, epidote, sulfides, secondary green and gray sheet silicates