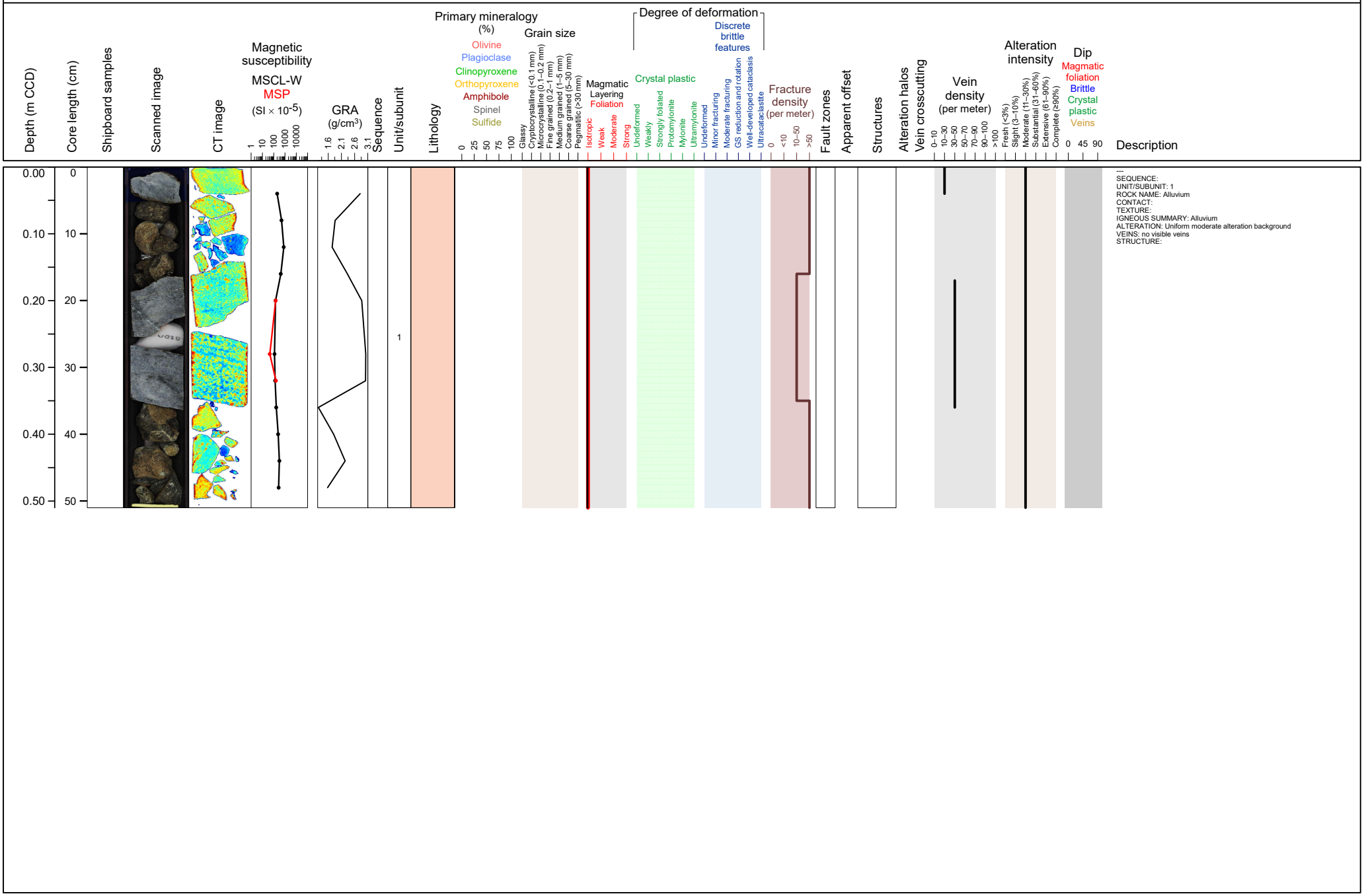
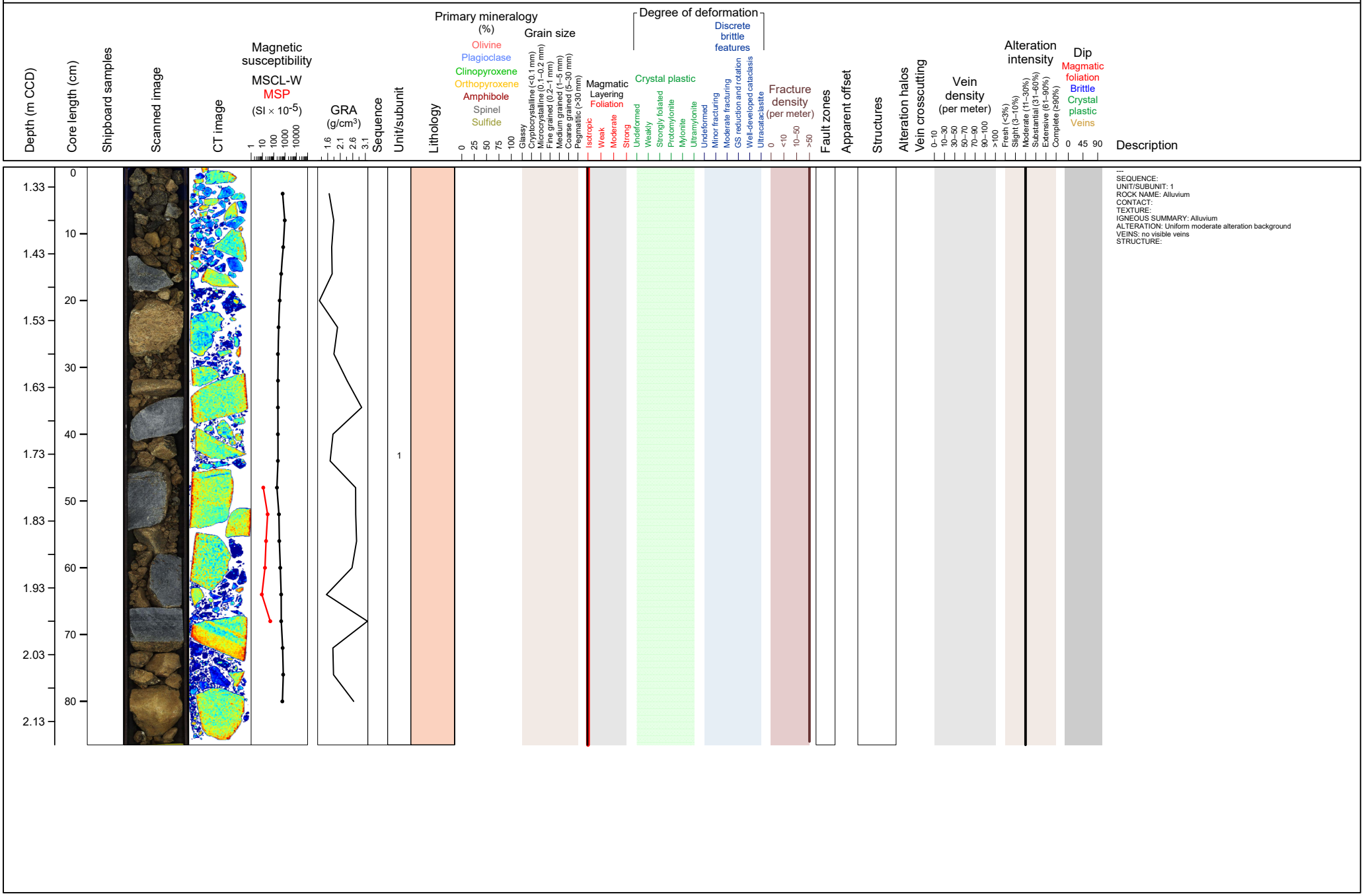
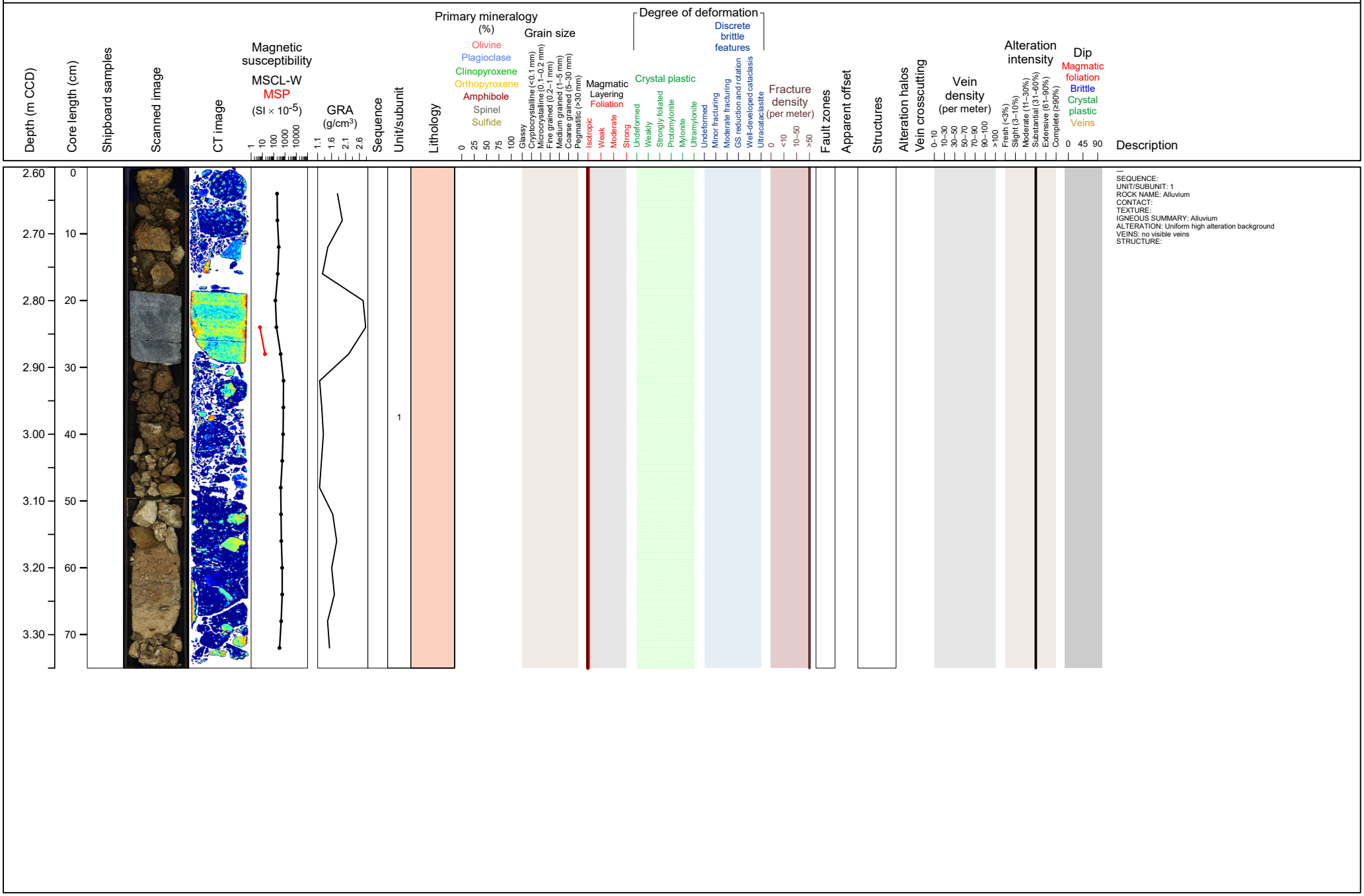
Hole CM2B-1Z Section 1, Top of Section 0.00 (m CCD)



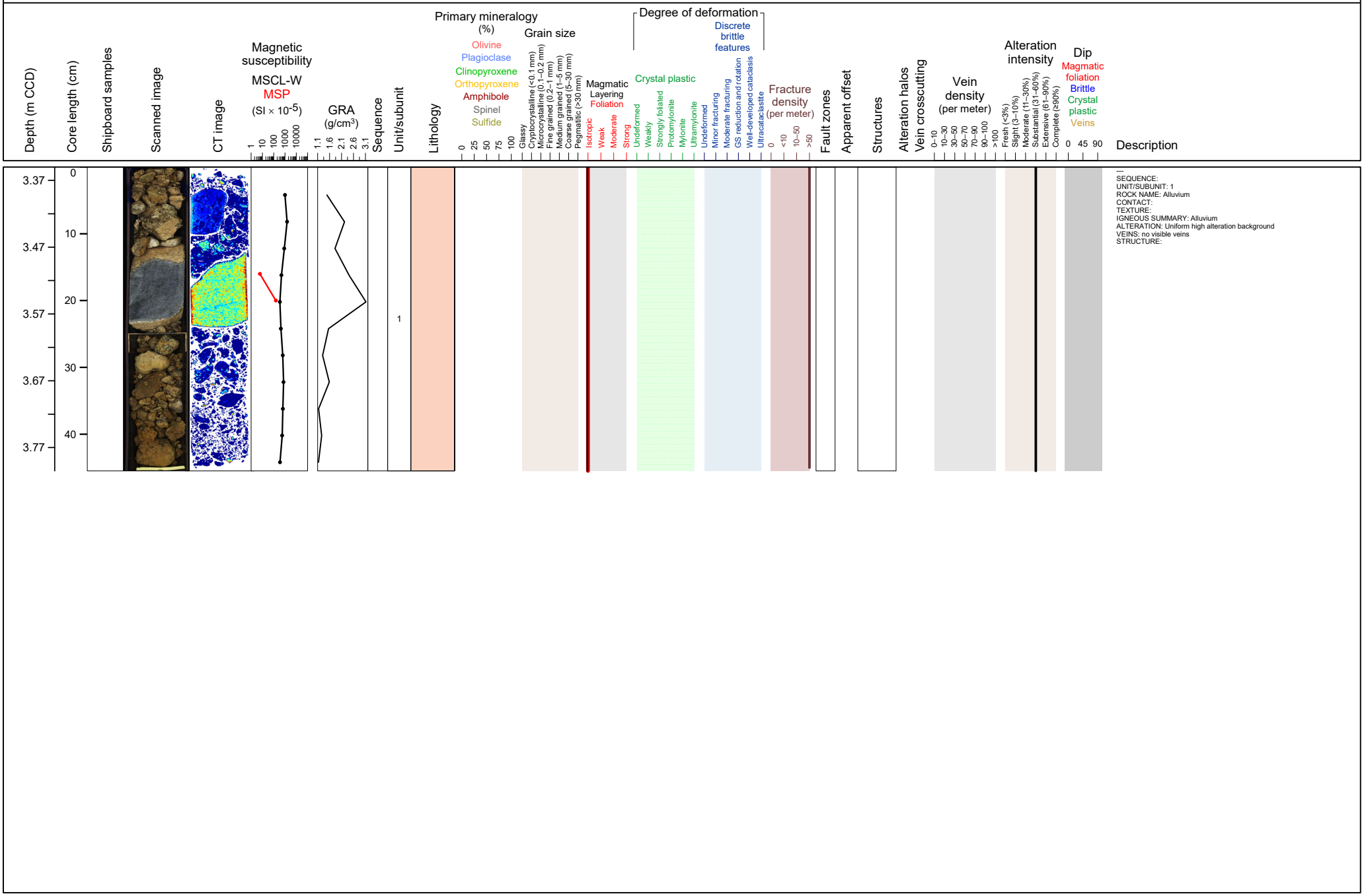
Hole CM2B-2Z Section 1, Top of Section 1.30 (m CCD)



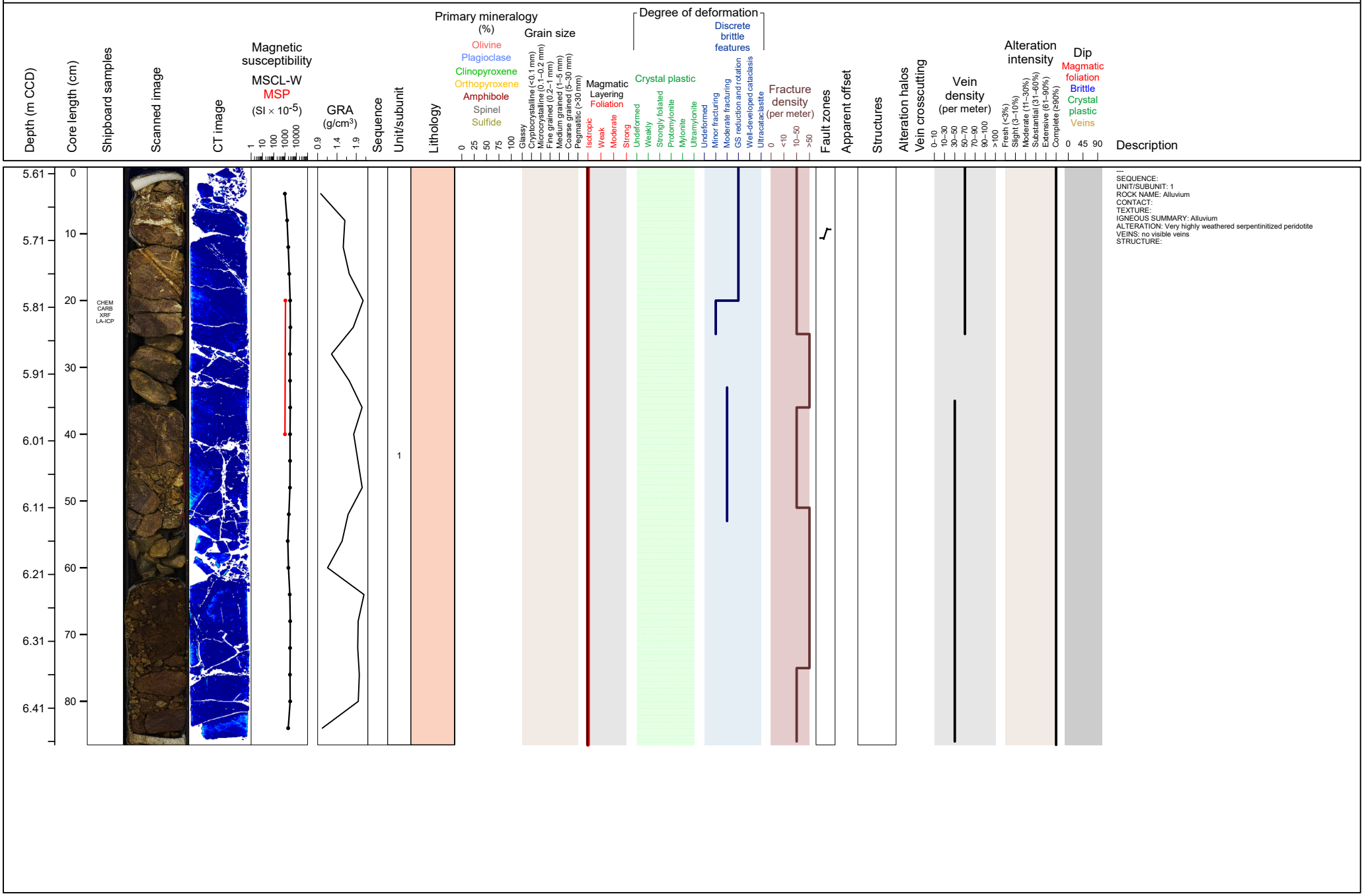
Hole CM2B-3Z Section 1, Top of Section 2.60 (m CCD)



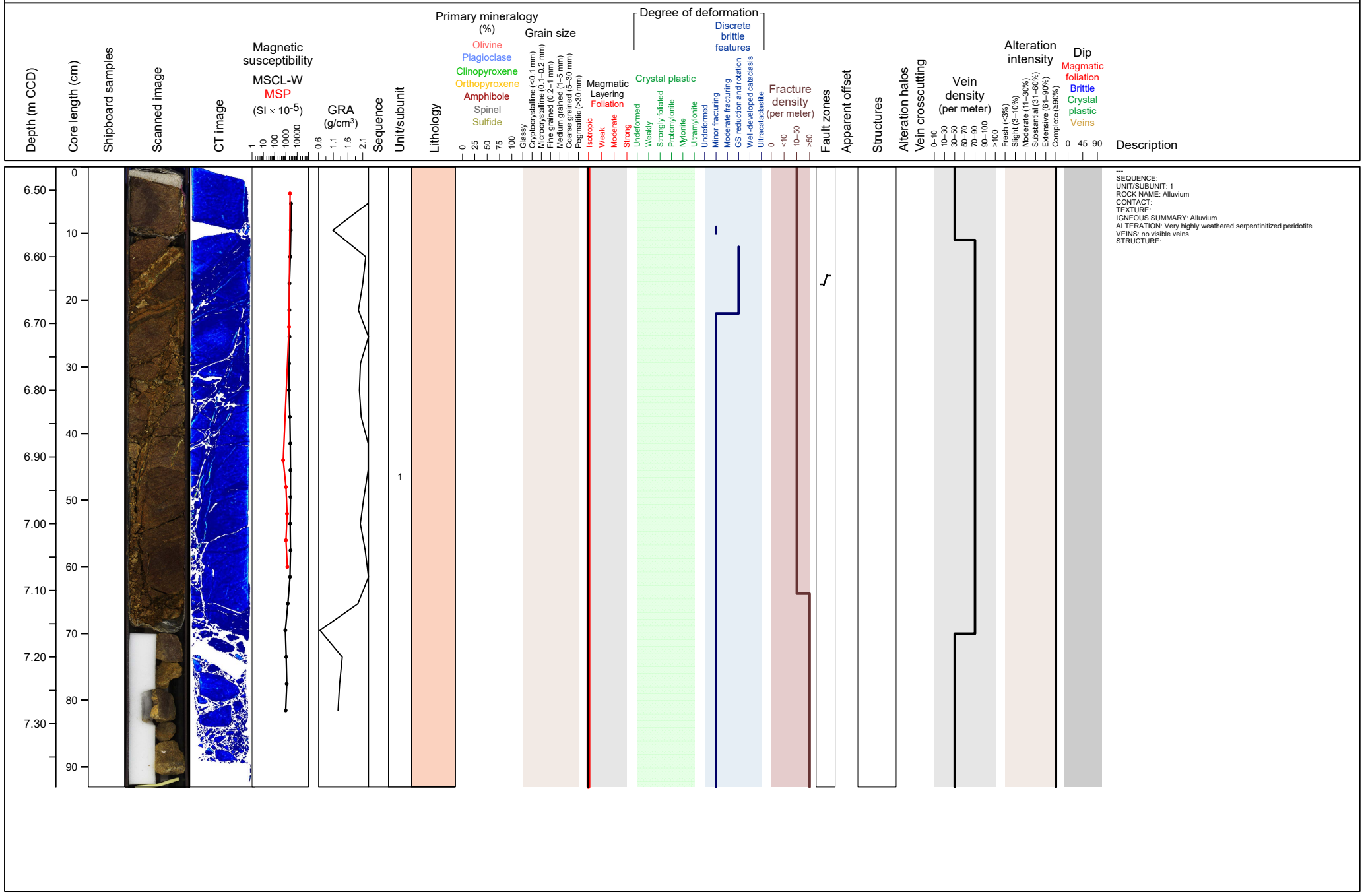
Hole CM2B-3Z Section 2, Top of Section 3.35 (m CCD)



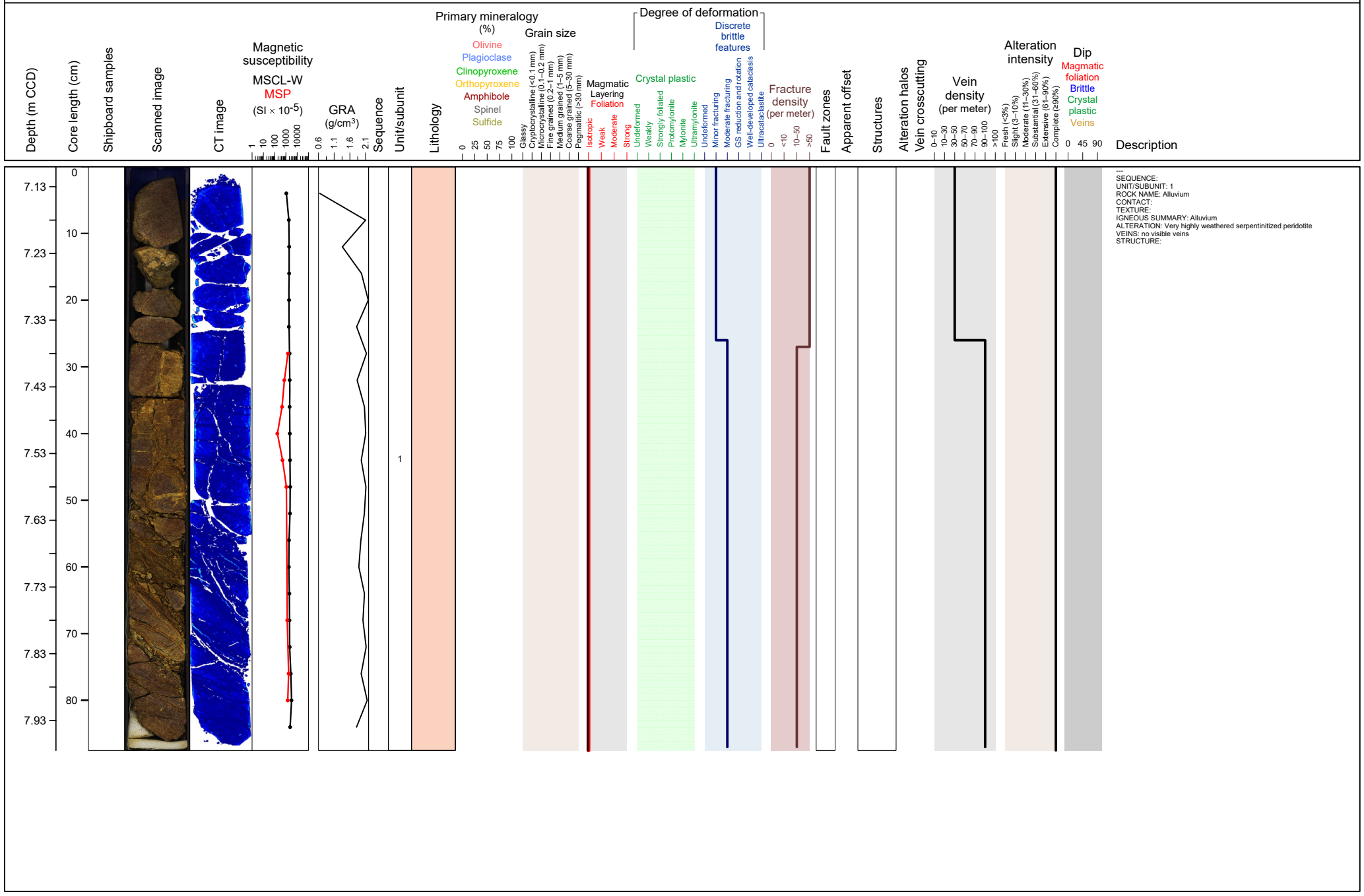
Hole CM2B-4Z Section 1, Top of Section 5.60 (m CCD)



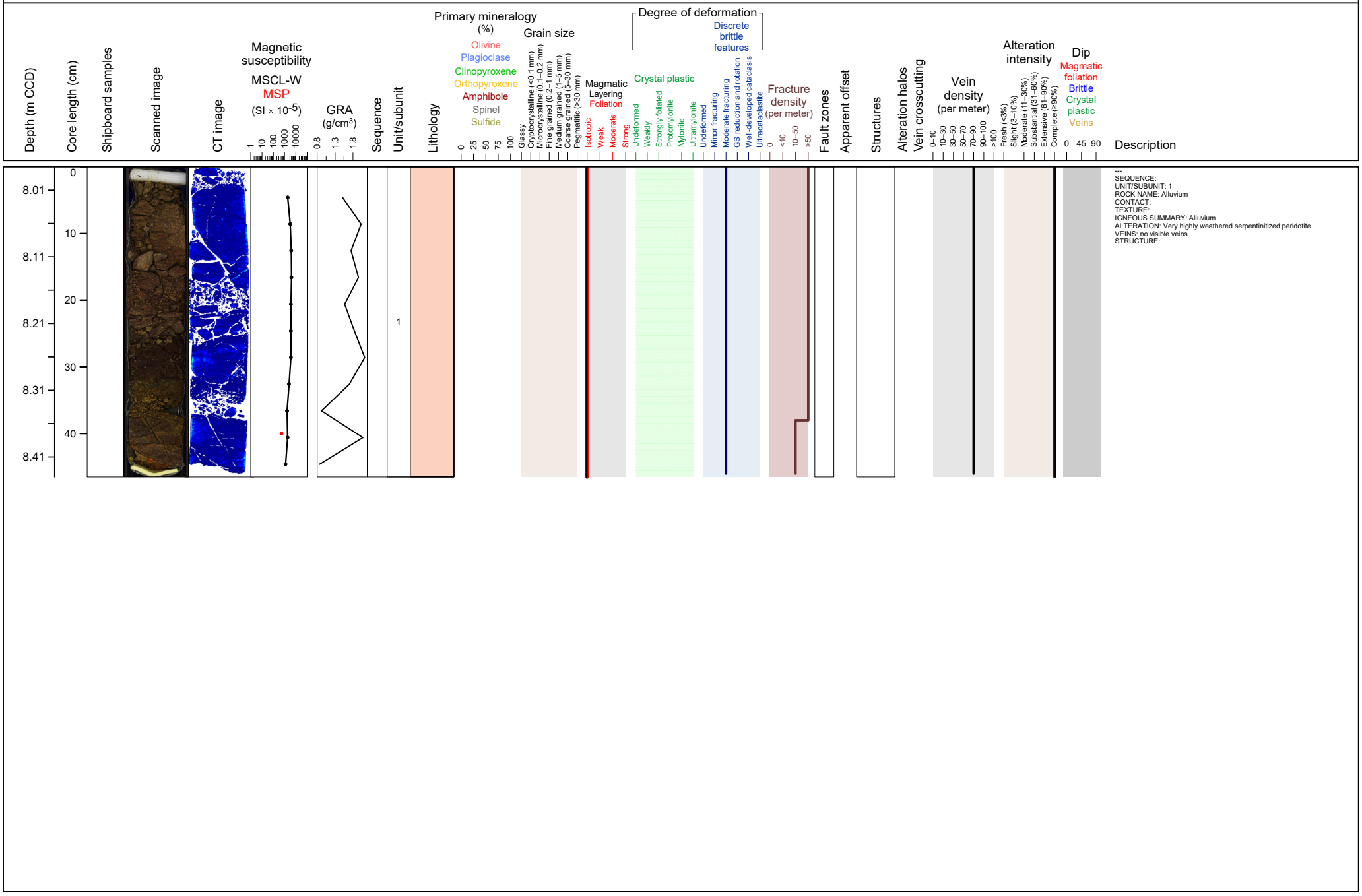
Hole CM2B-4Z Section 2, Top of Section 6.47 (m CCD)



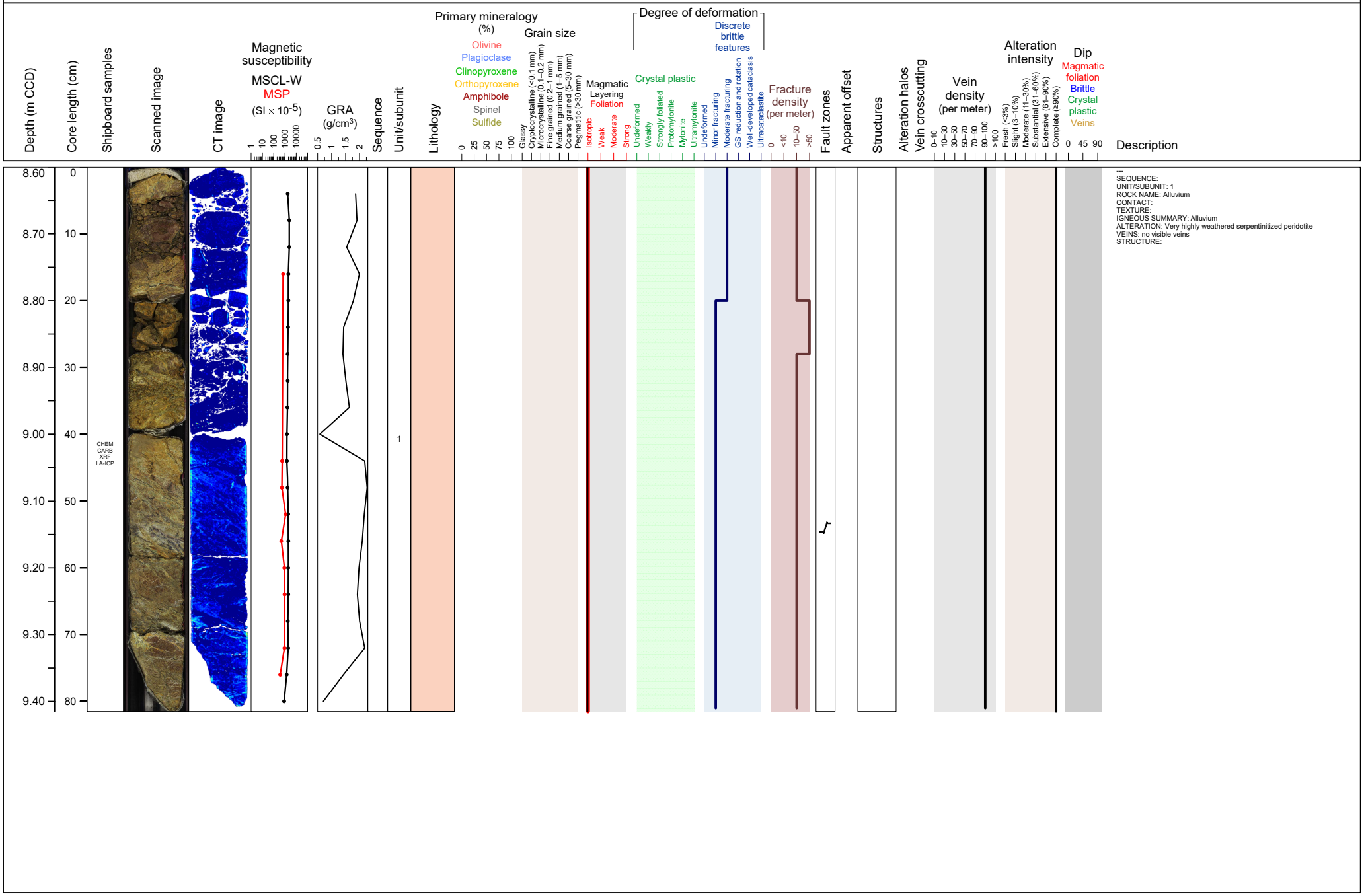
Hole CM2B-5Z Section 1, Top of Section 7.10 (m CCD)



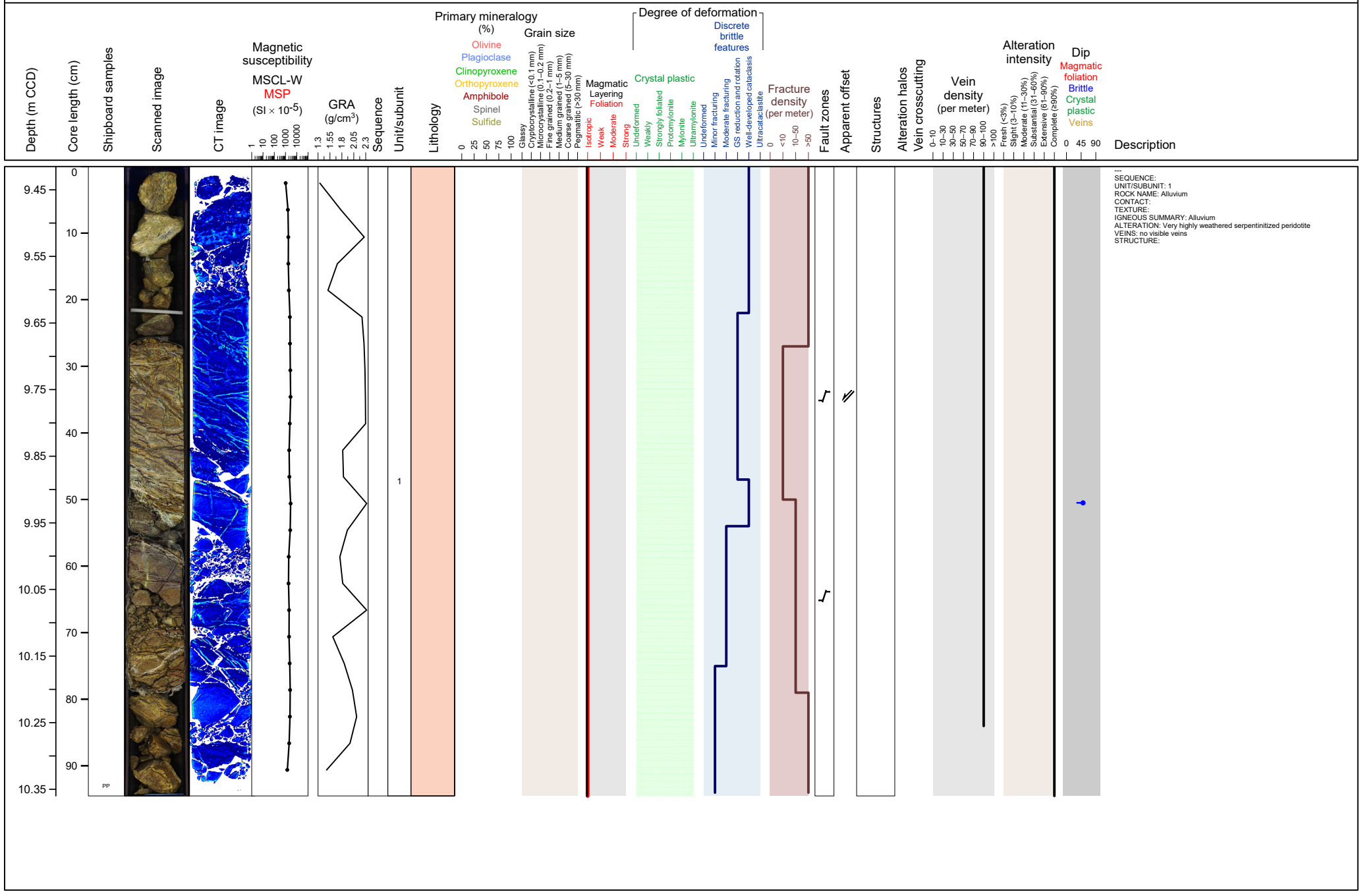
Hole CM2B-5Z Section 2, Top of Section 7.98 (m CCD)



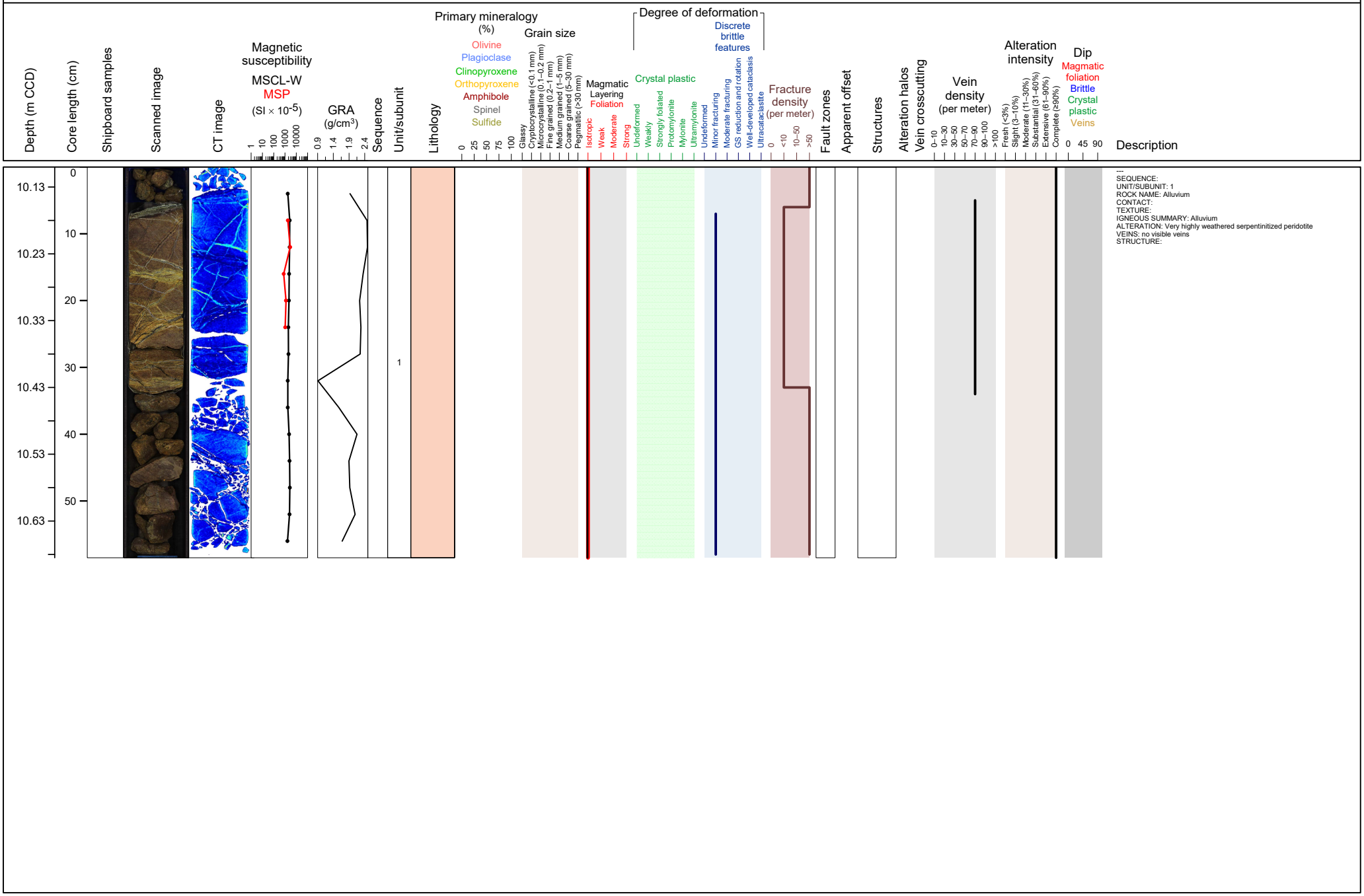
Hole CM2B-6Z Section 1, Top of Section 8.60 (m CCD)



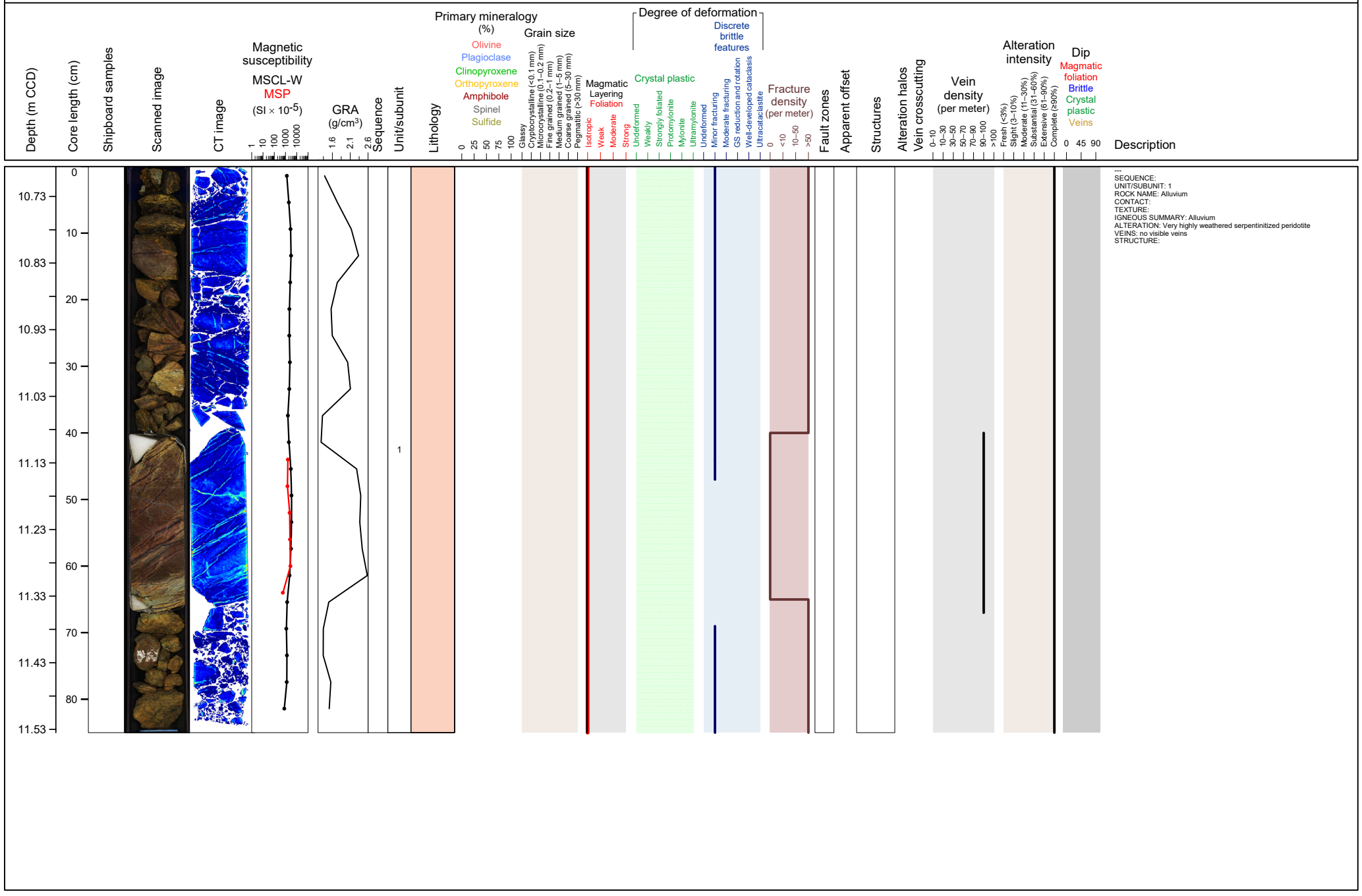
Hole CM2B-6Z Section 2, Top of Section 9.42 (m CCD)



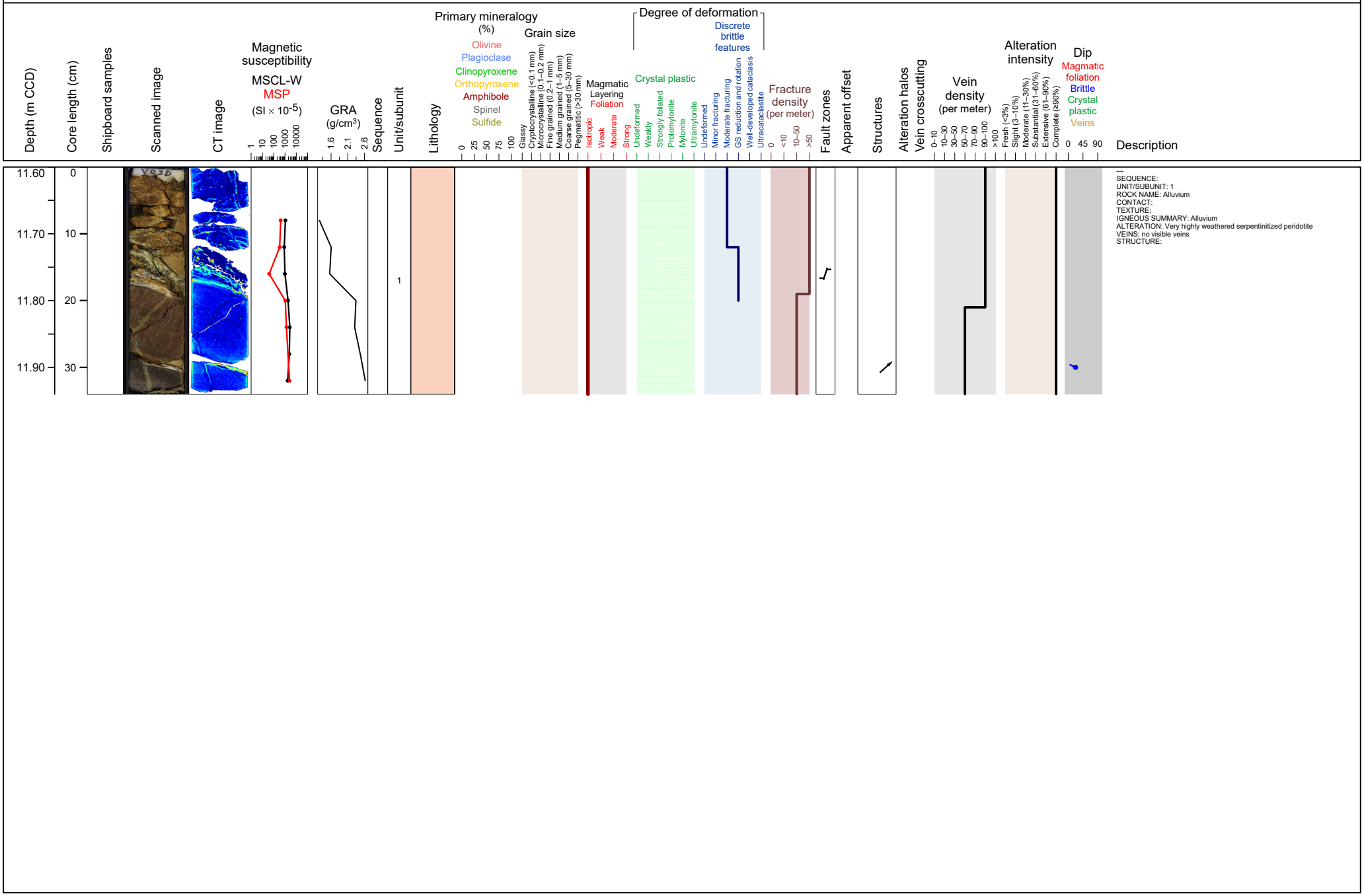
Hole CM2B-7Z Section 1, Top of Section 10.10 (m CCD)



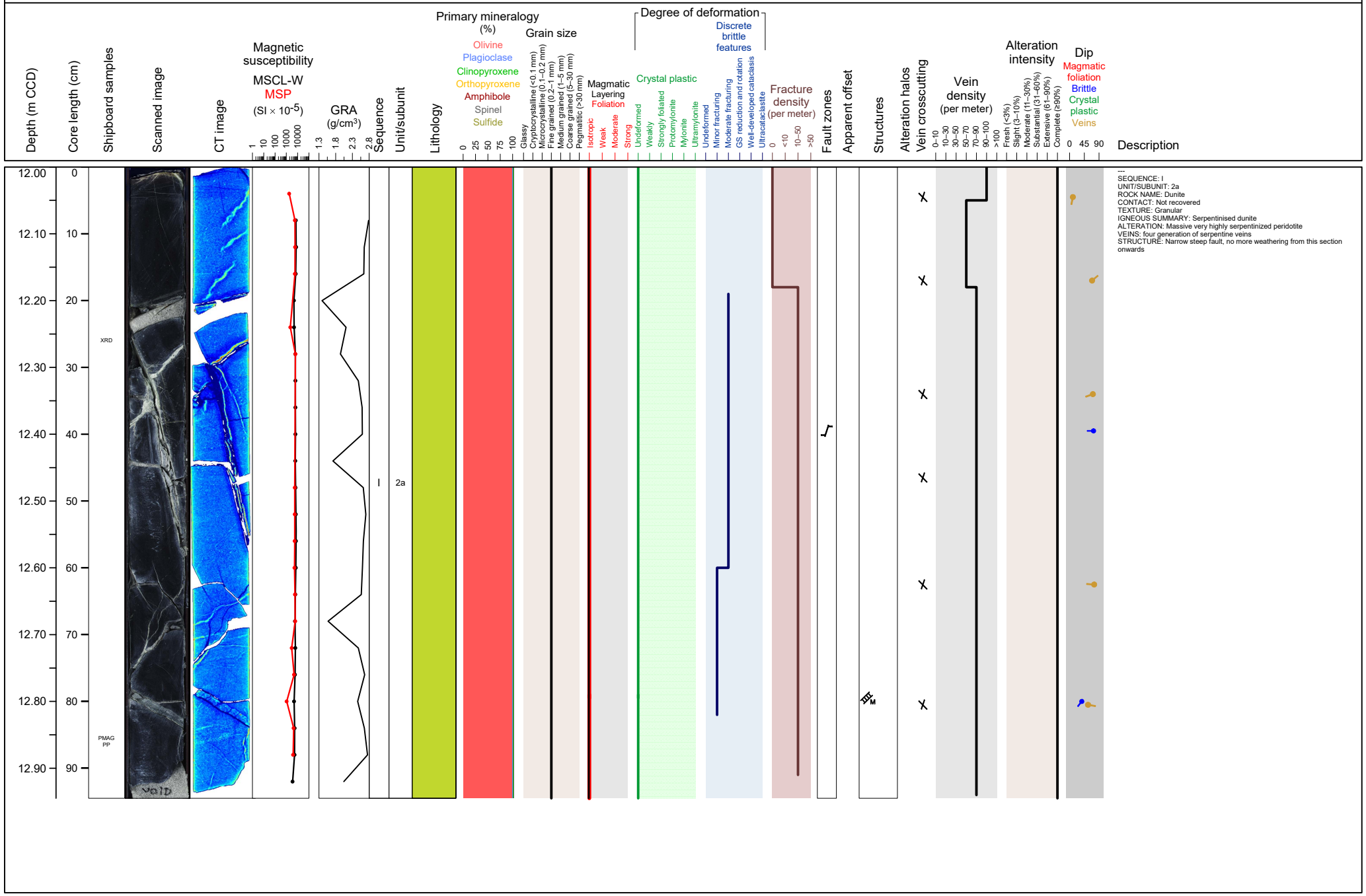
Hole CM2B-7Z Section 2, Top of Section 10.69 (m CCD)



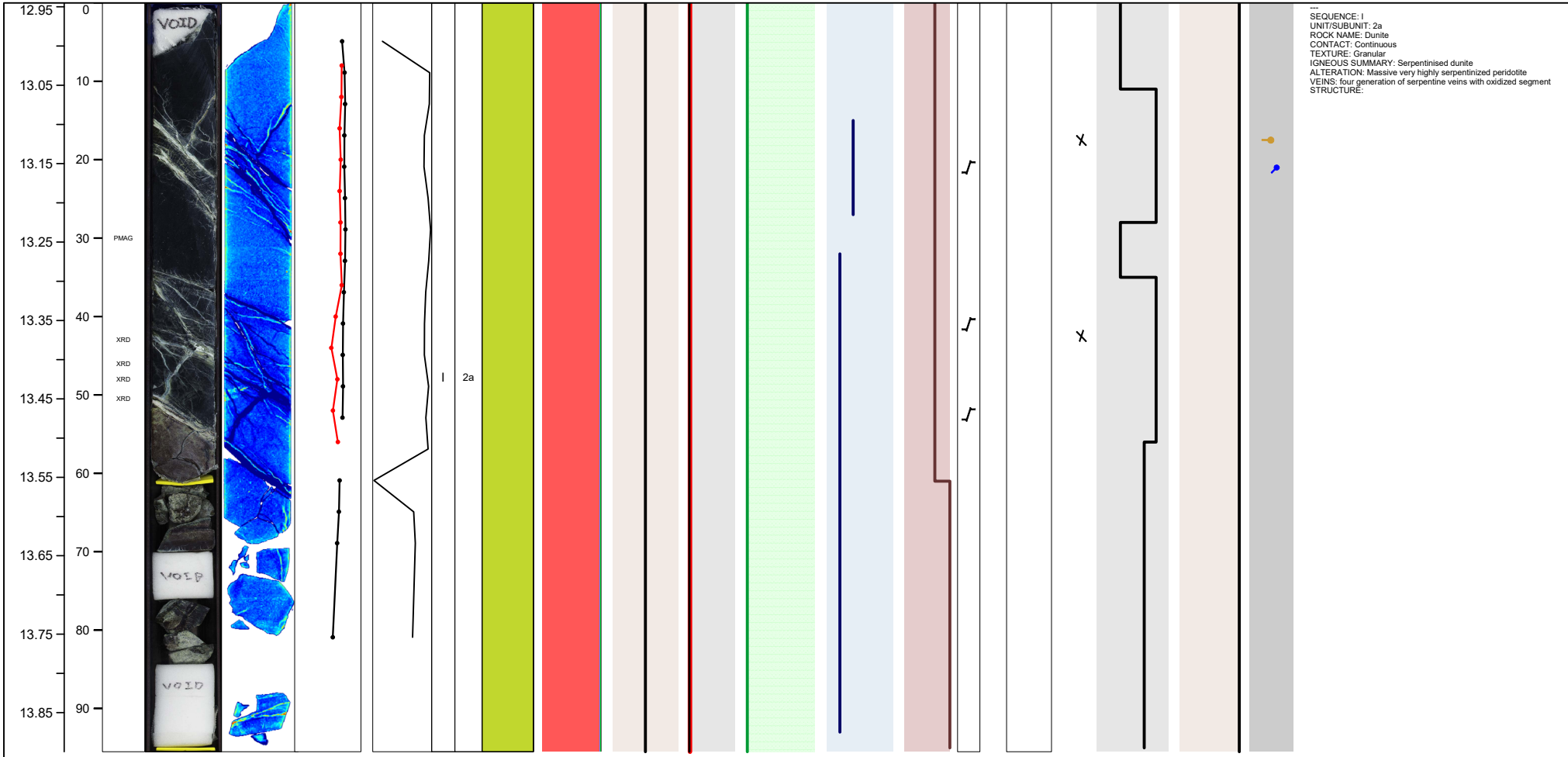
Hole CM2B-8Z Section 1, Top of Section 11.60 (m CCD)



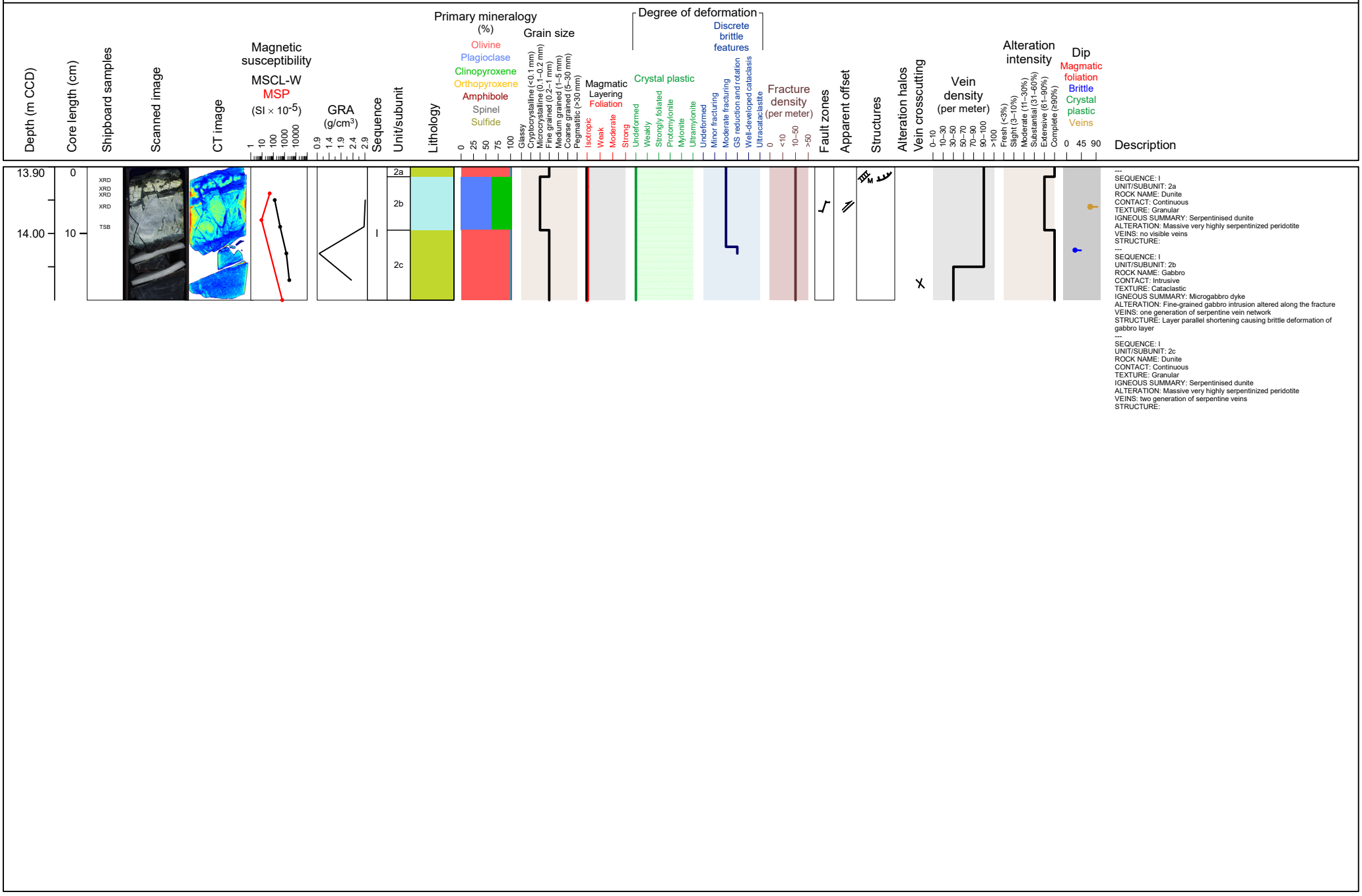
Hole CM2B-9Z Section 1, Top of Section 12.00 (m CCD)



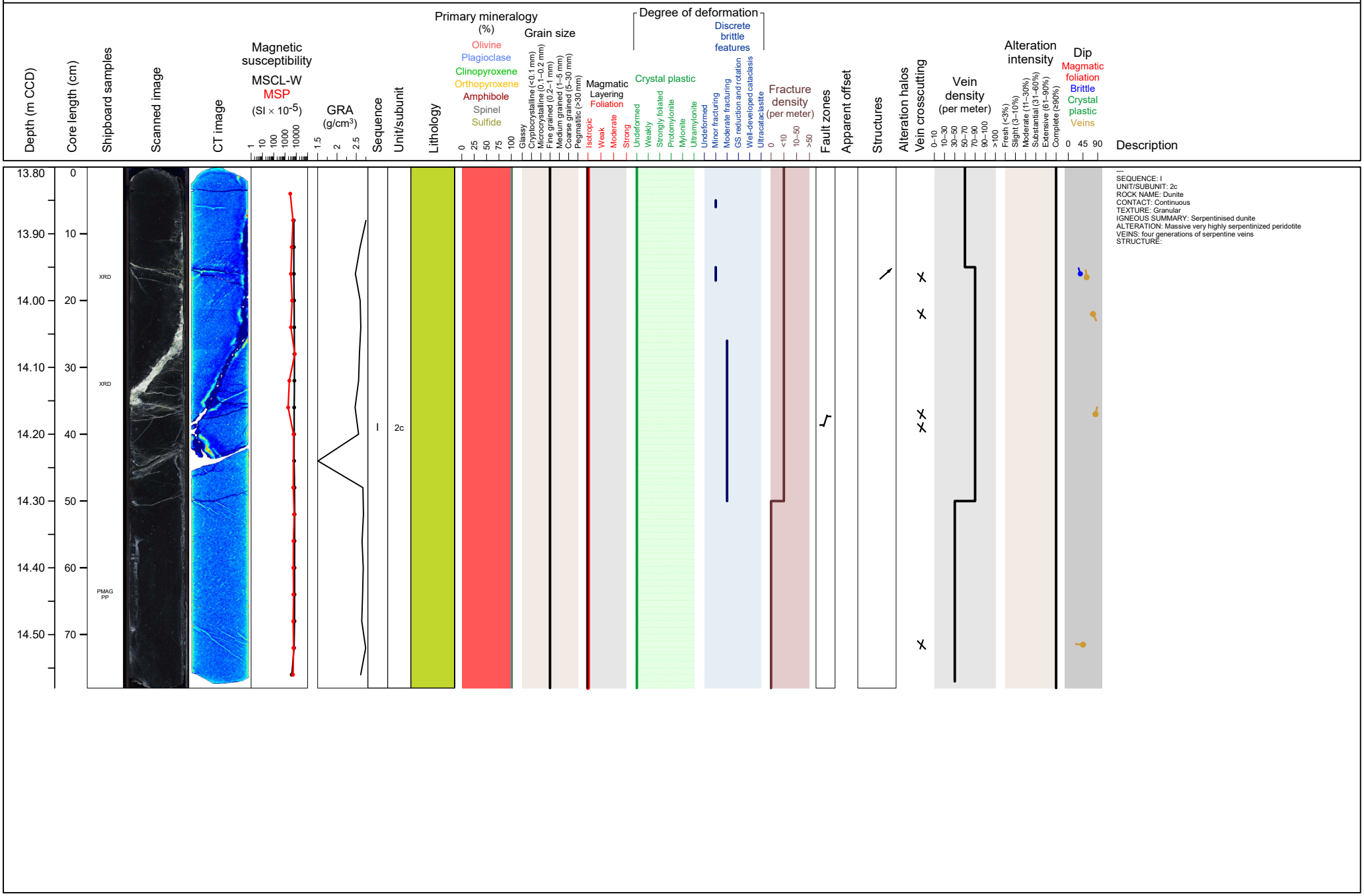
Hole CM2B-9Z Section 2, Top of Section 12.95 (m CCD)



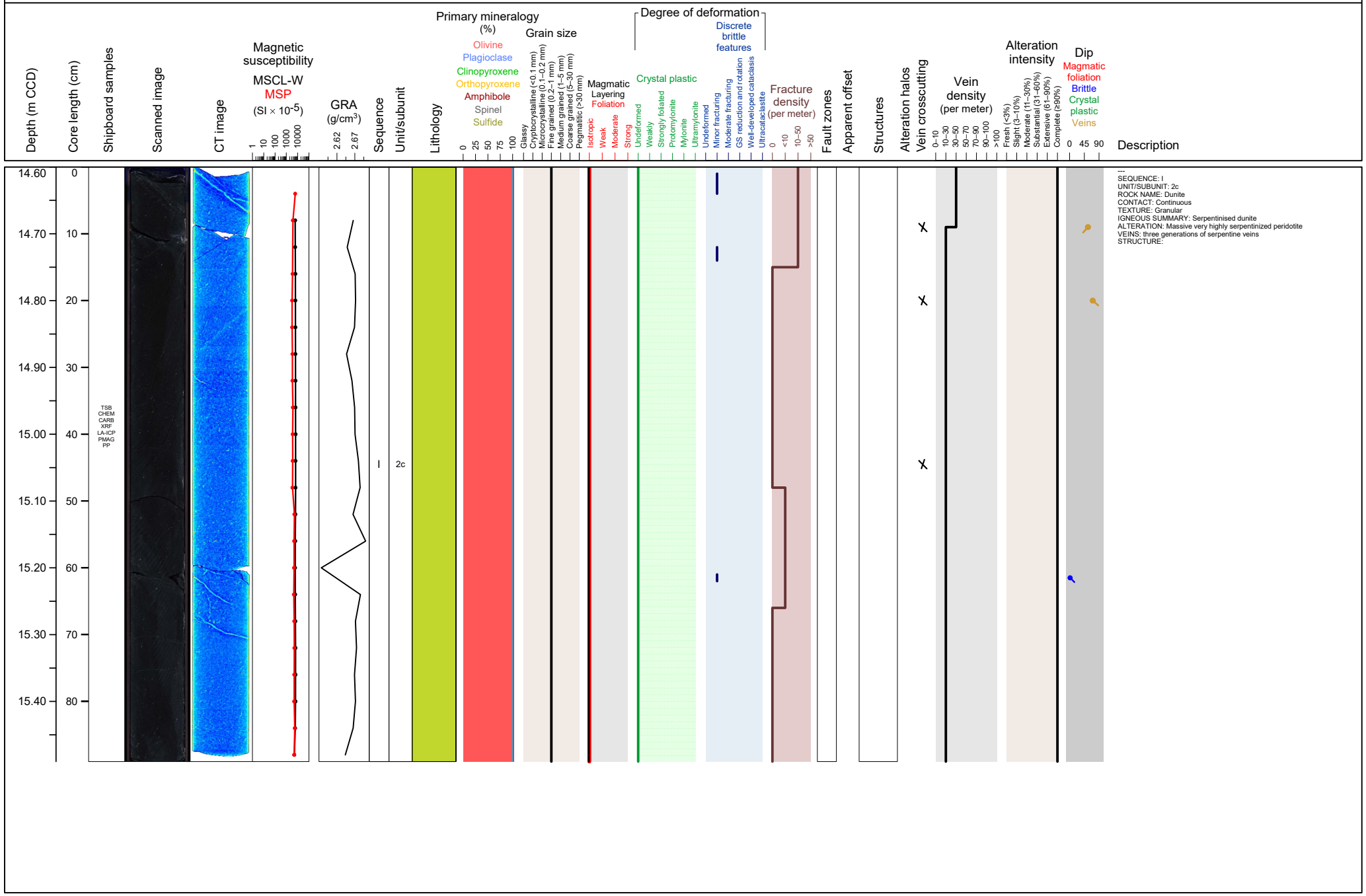
Hole CM2B-9Z Section 3, Top of Section 13.90 (m CCD)



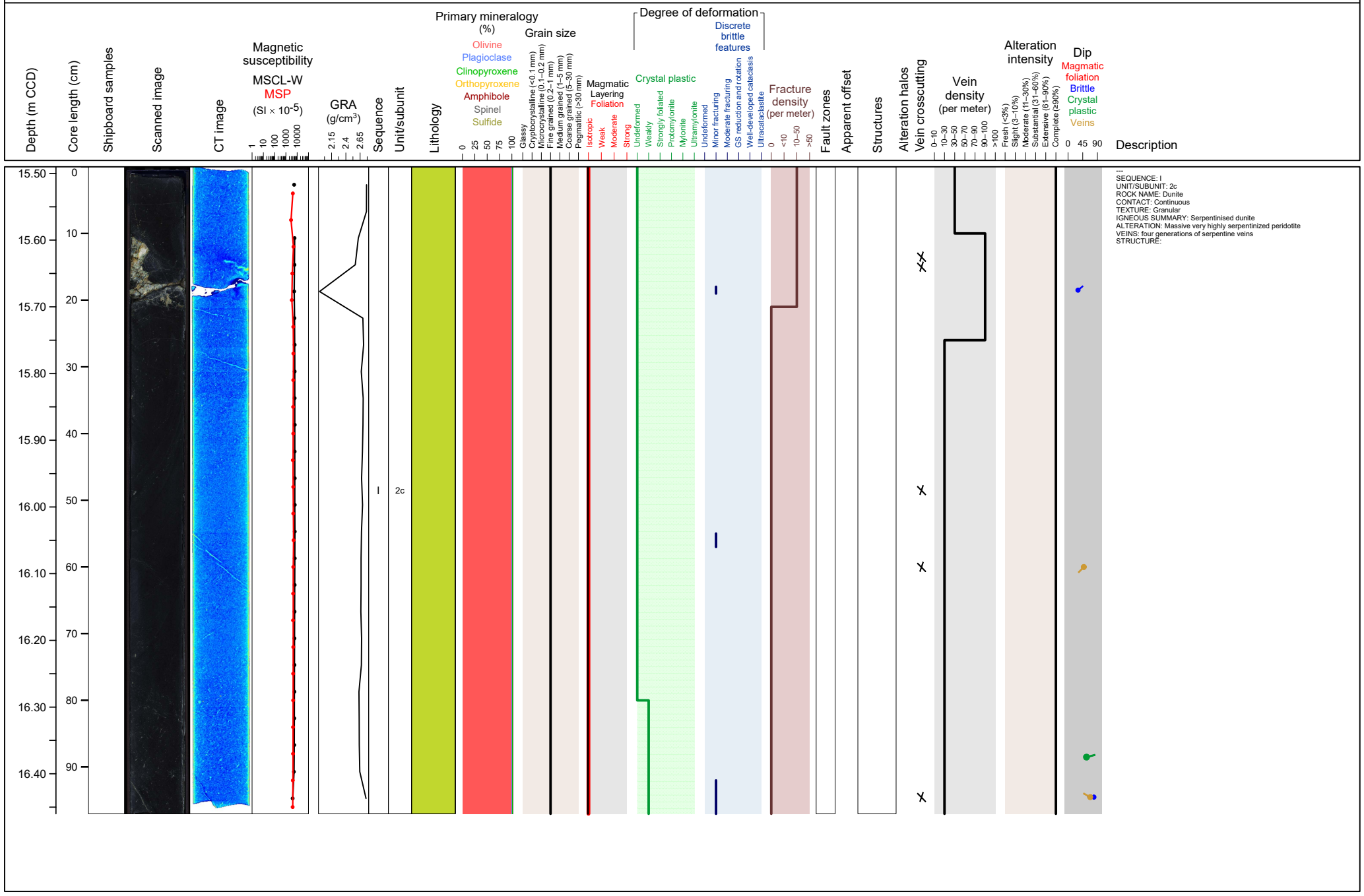
Hole CM2B-10Z Section 1, Top of Section 13.80 (m CCD)



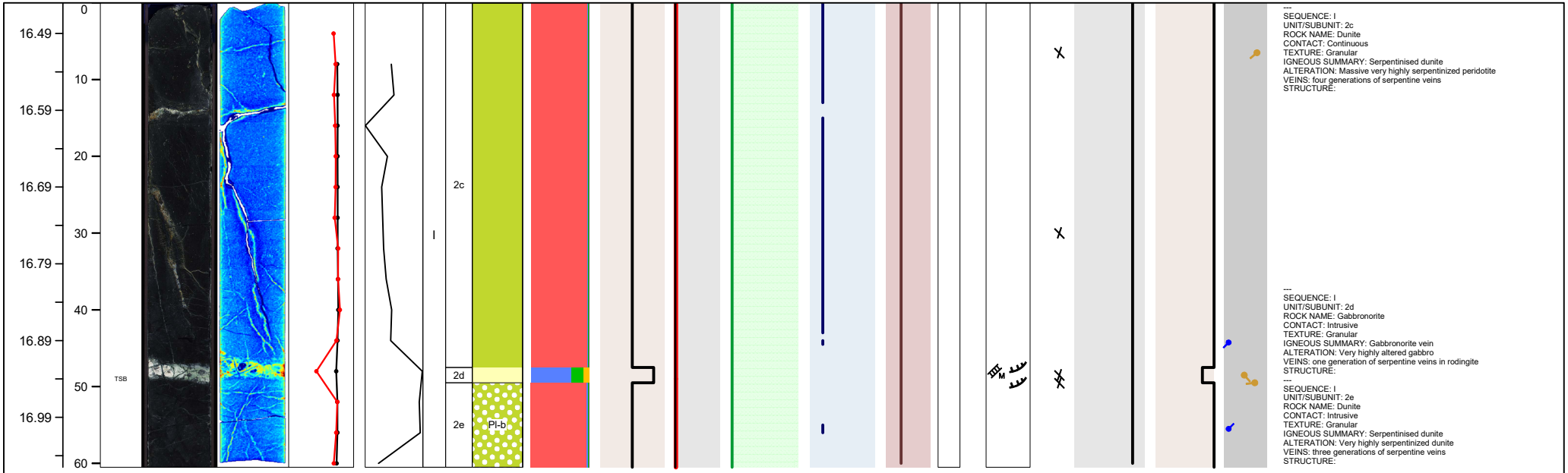
Hole CM2B-11Z Section 1, Top of Section 14.60 (m CCD)



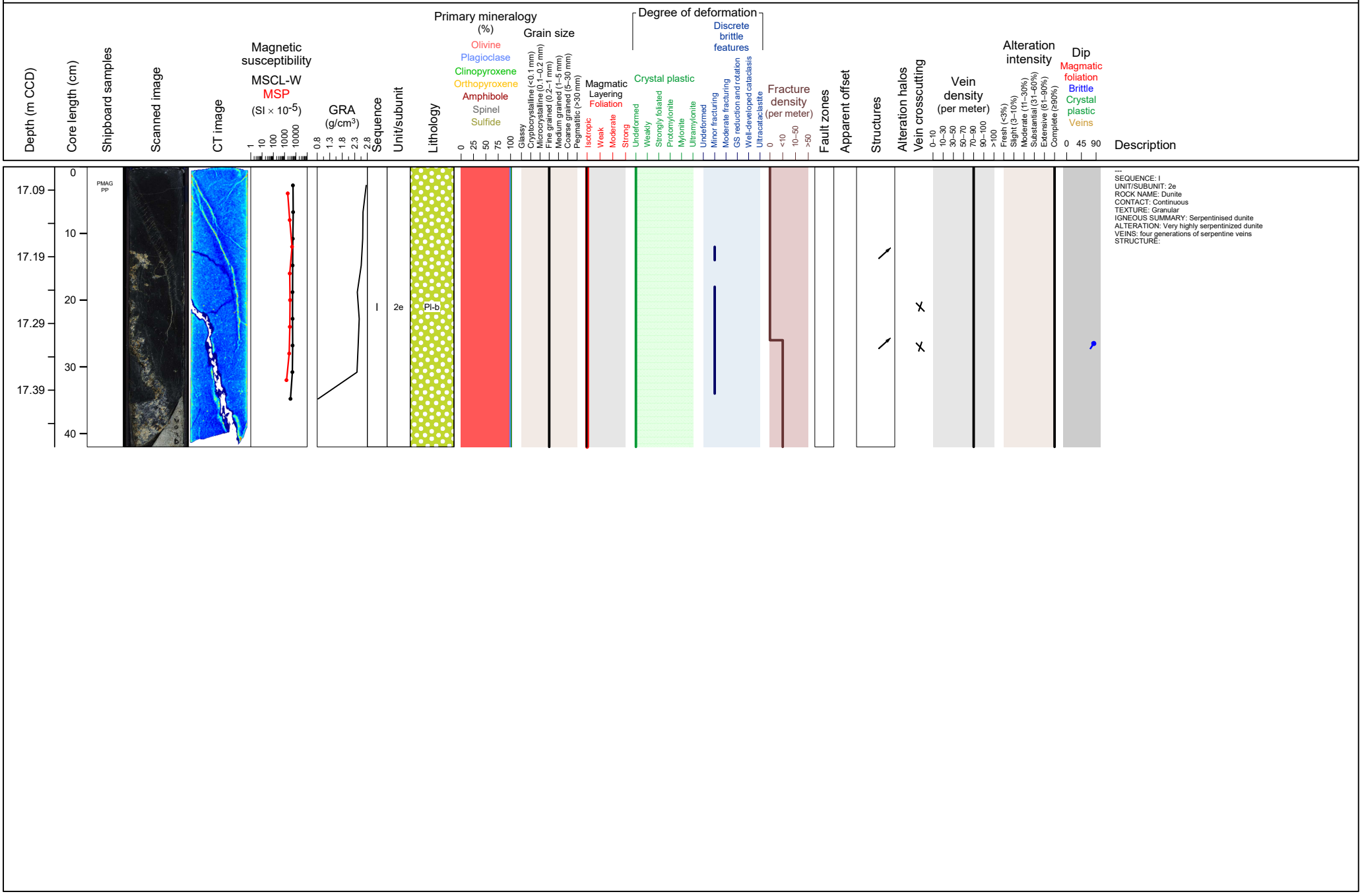
Hole CM2B-11Z Section 2, Top of Section 15.49 (m CCD)



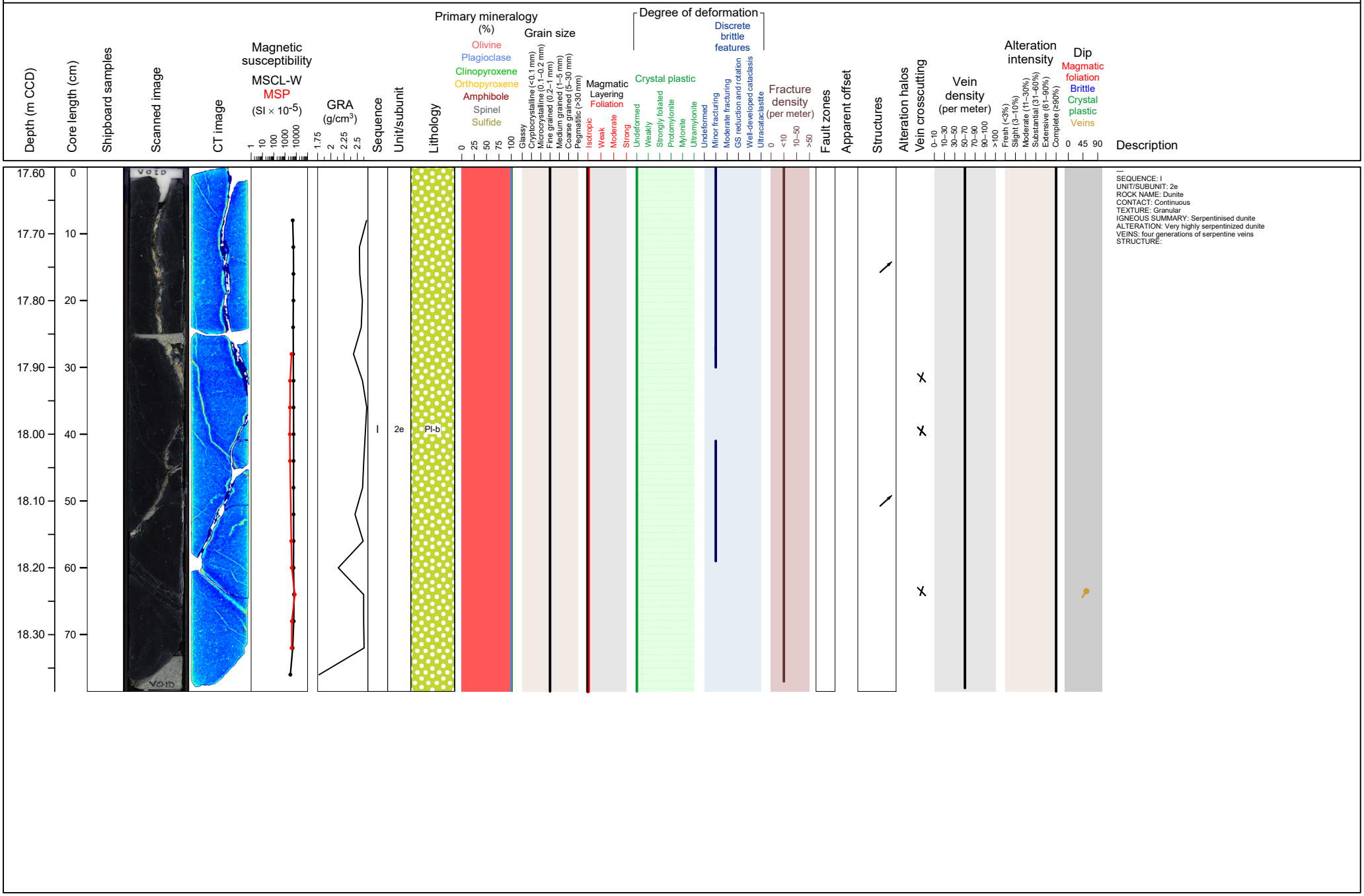
Hole CM2B-12Z Section 1, Top of Section 16.45 (m CCD)



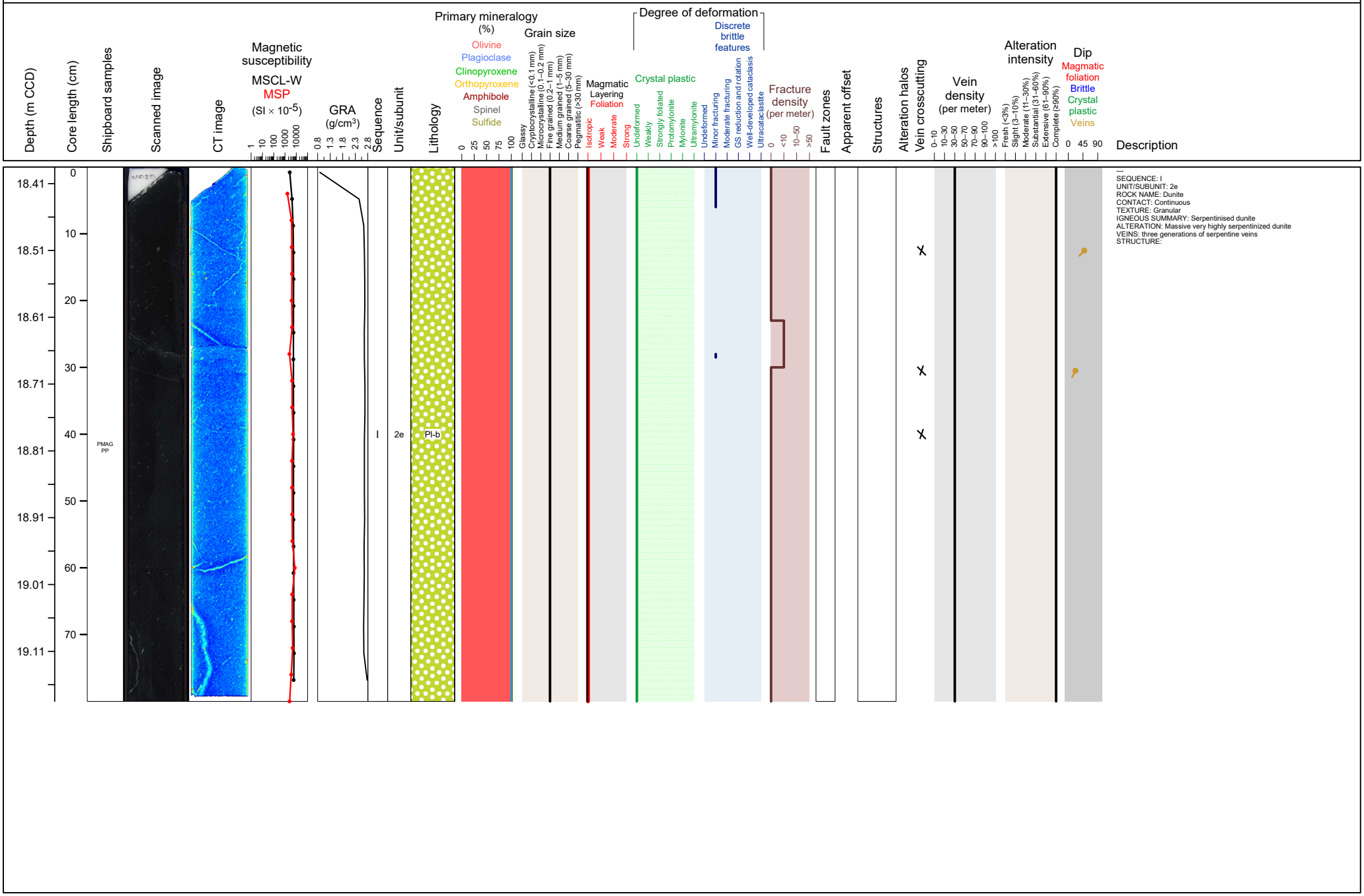
Hole CM2B-12Z Section 2, Top of Section 17.06 (m CCD)



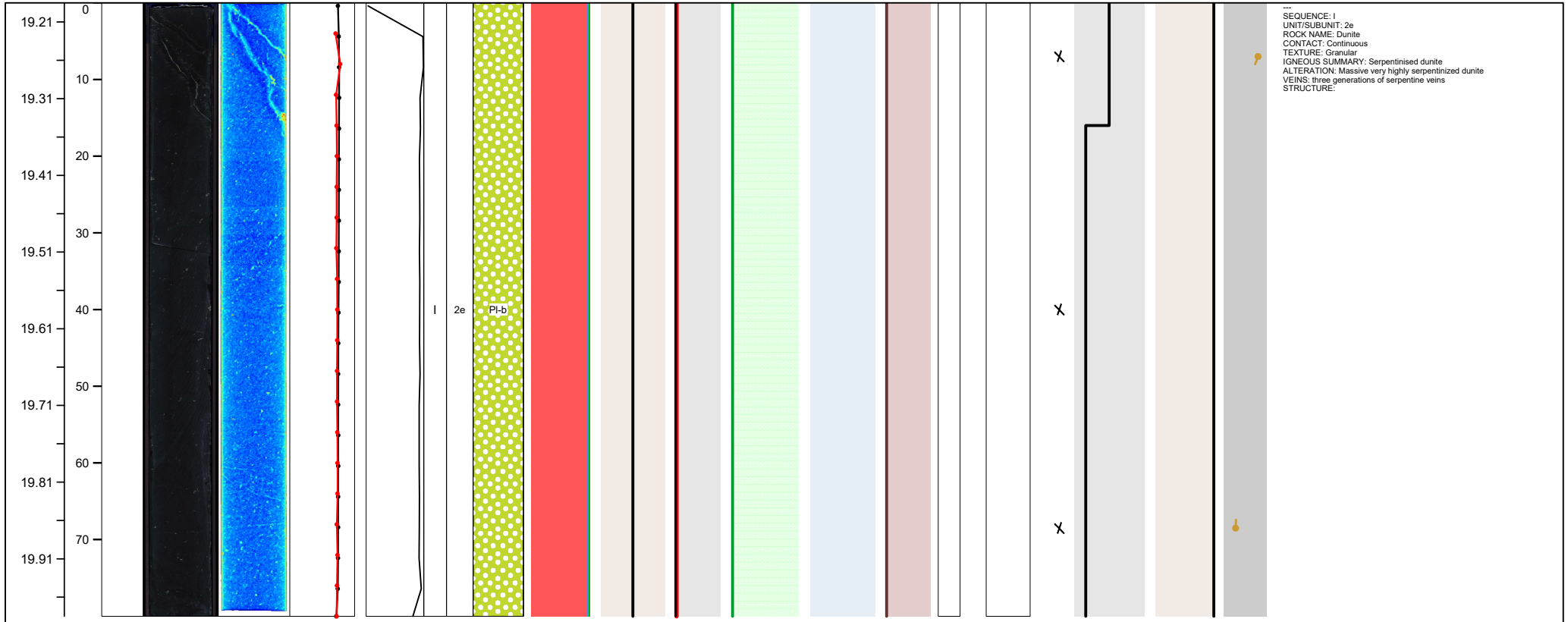
Hole CM2B-13Z Section 1, Top of Section 17.60 (m CCD)



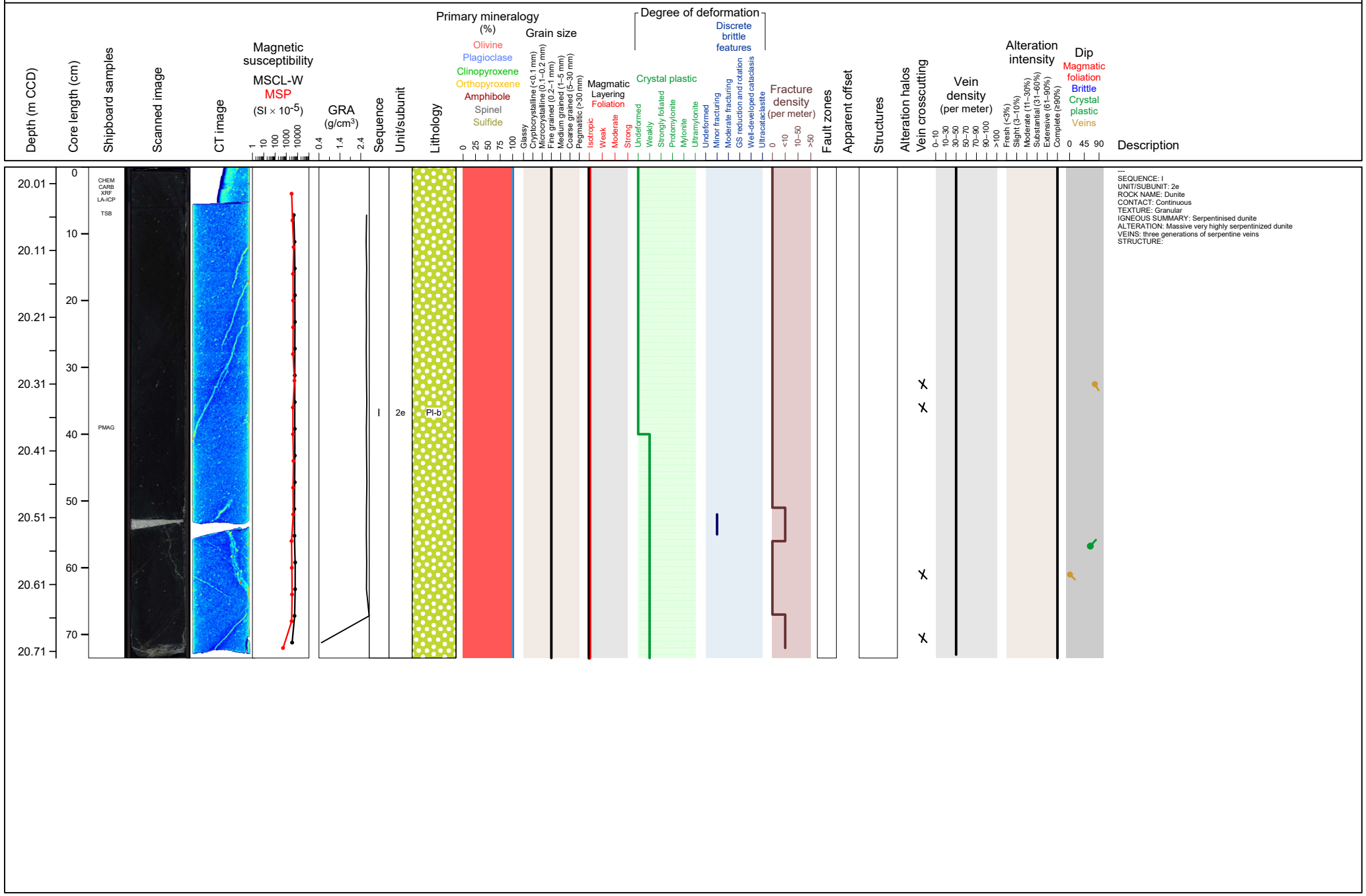
Hole CM2B-13Z Section 2, Top of Section 18.39 (m CCD)



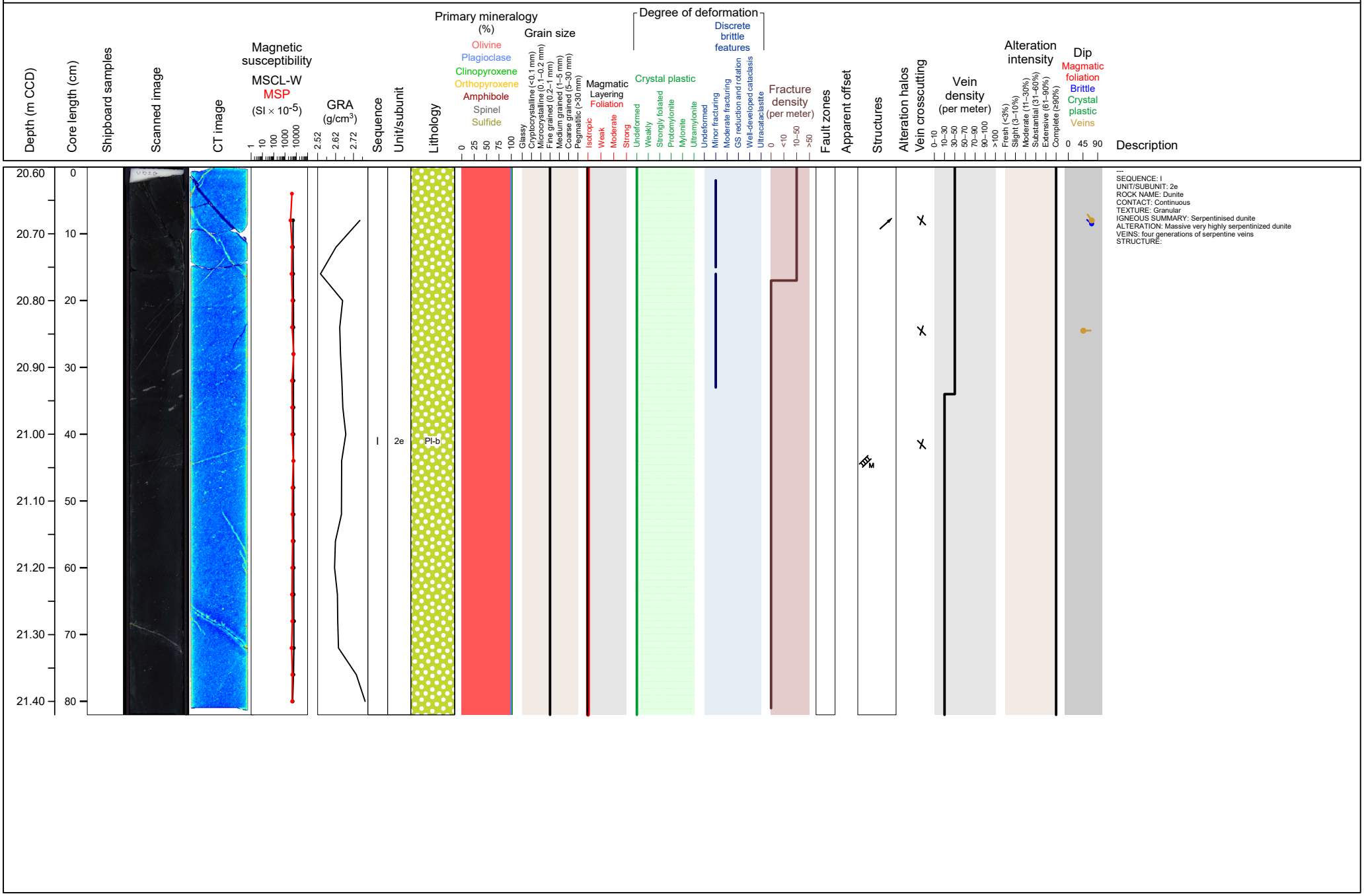
Hole CM2B-13Z Section 3, Top of Section 19.19 (m CCD)



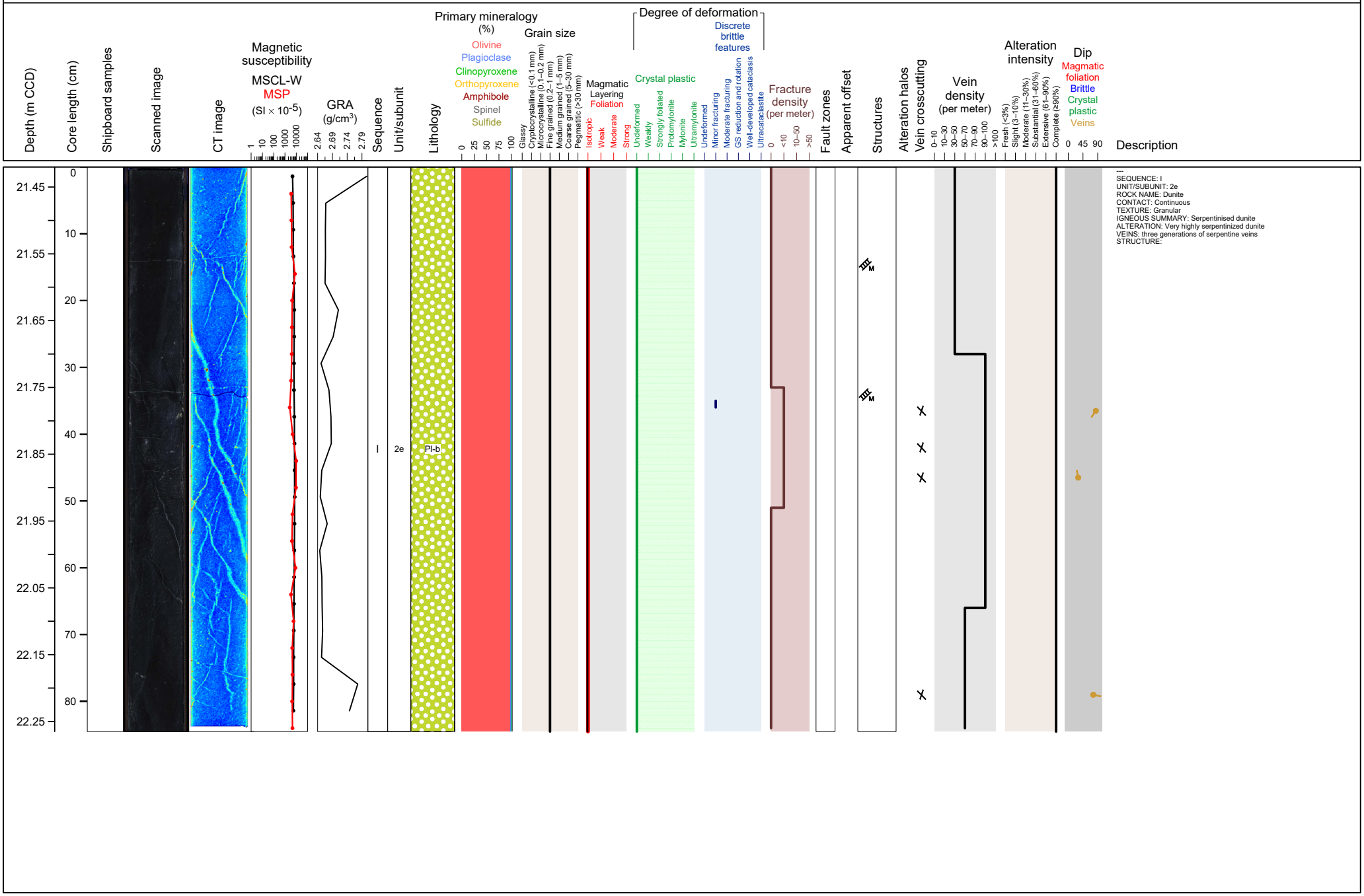
Hole CM2B-13Z Section 4, Top of Section 19.99 (m CCD)



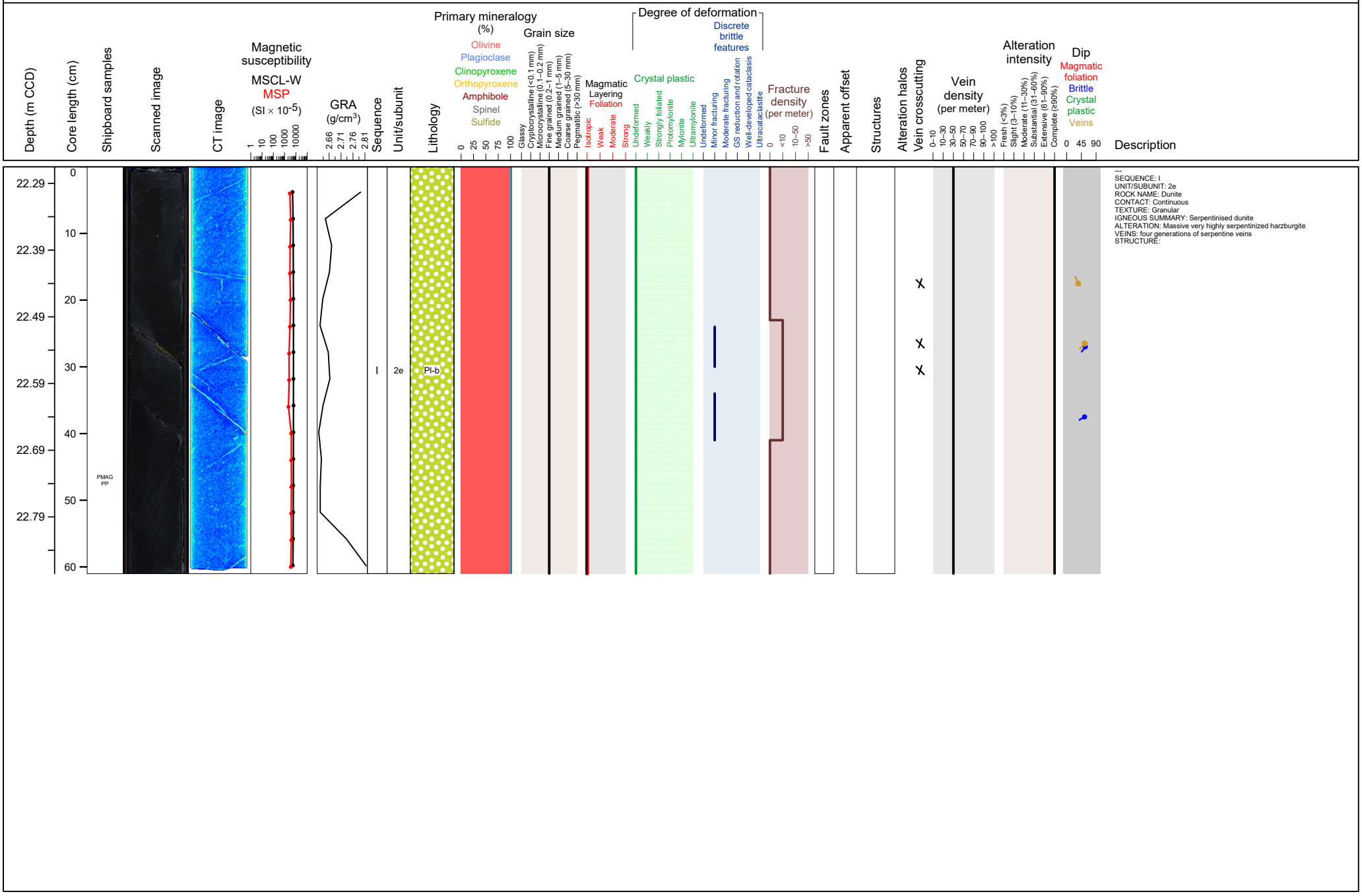
Hole CM2B-14Z Section 1, Top of Section 20.60 (m CCD)



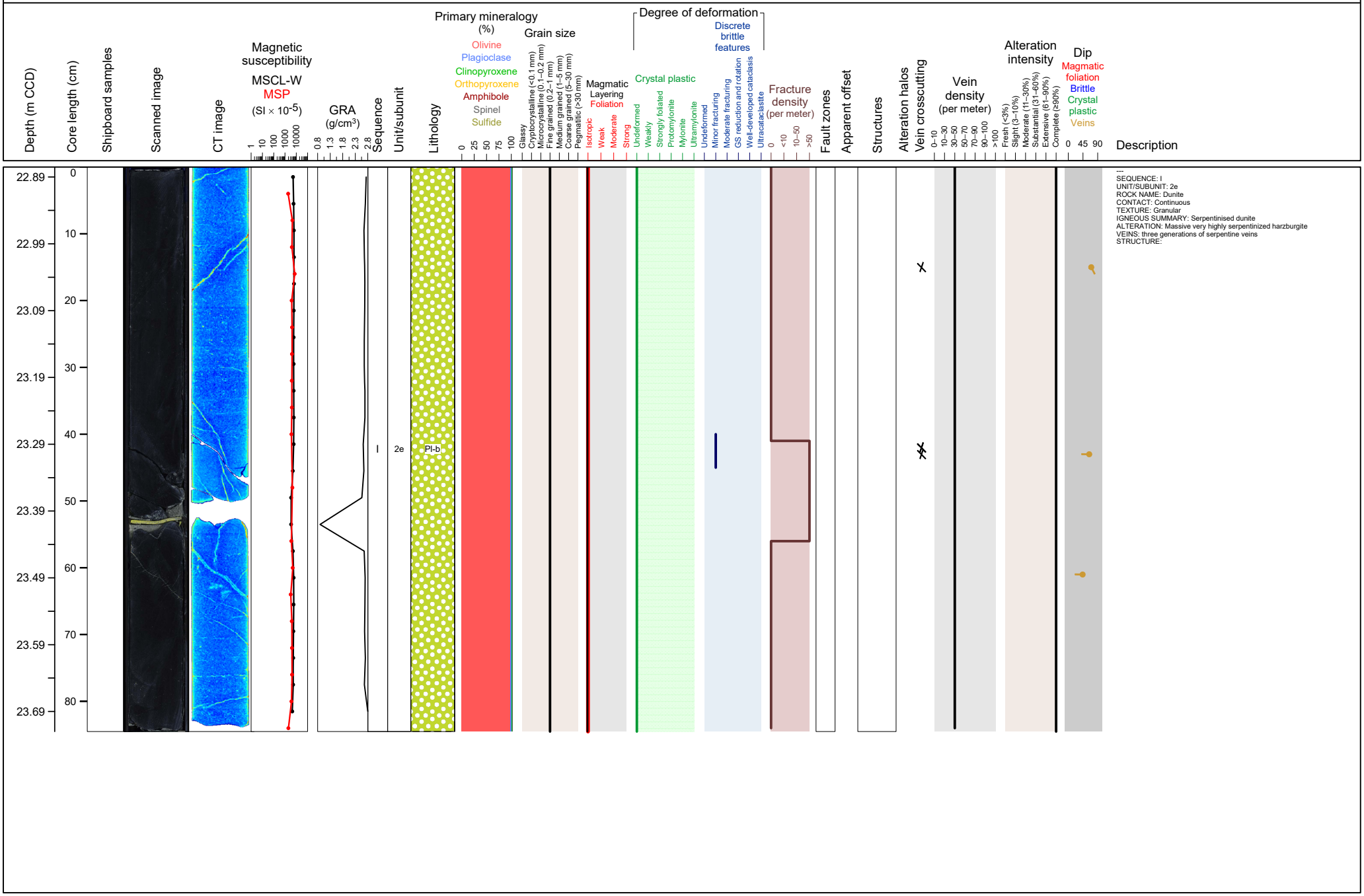
Hole CM2B-14Z Section 2, Top of Section 21.42 (m CCD)



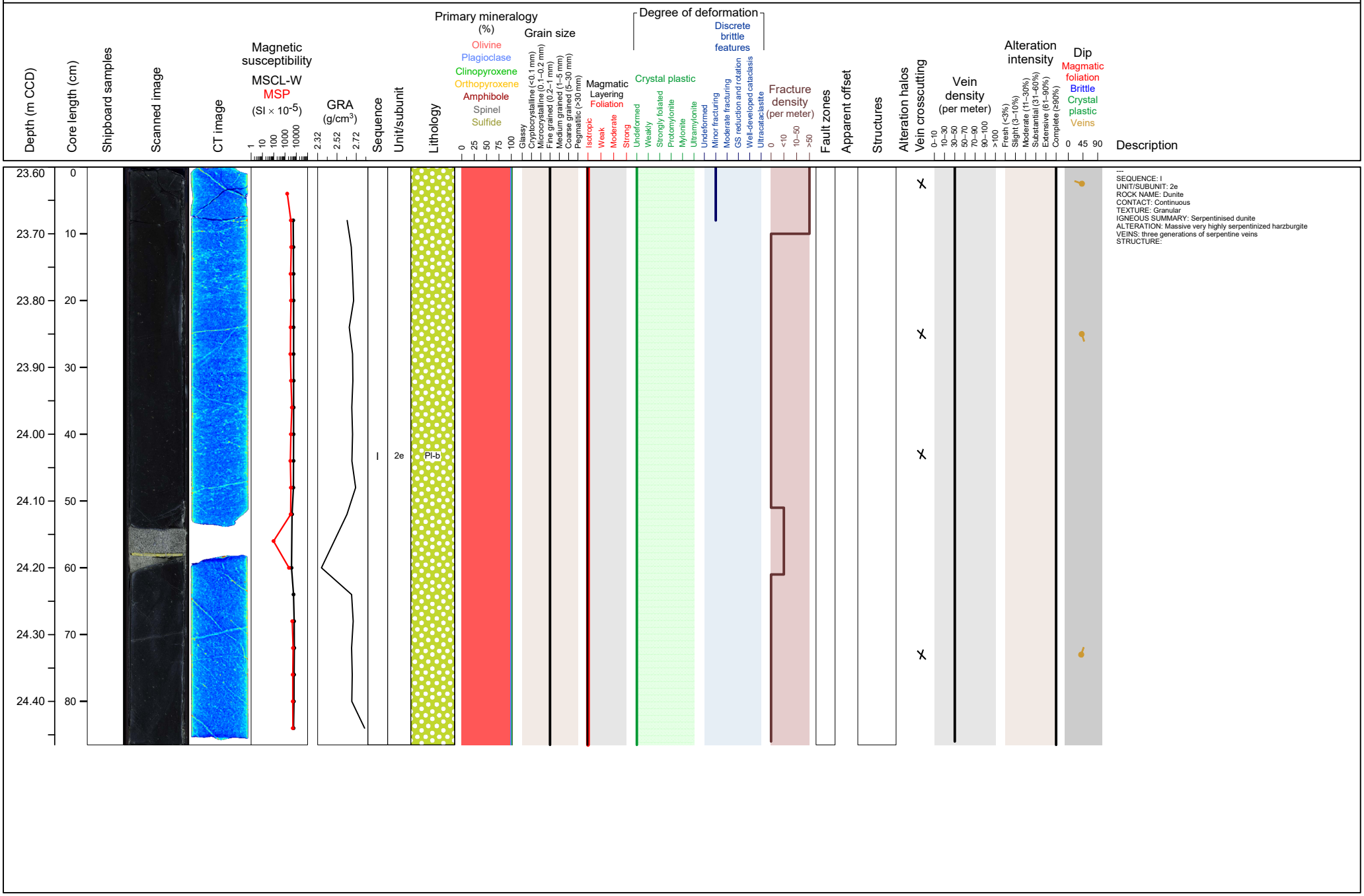
Hole CM2B-14Z Section 3, Top of Section 22.27 (m CCD)



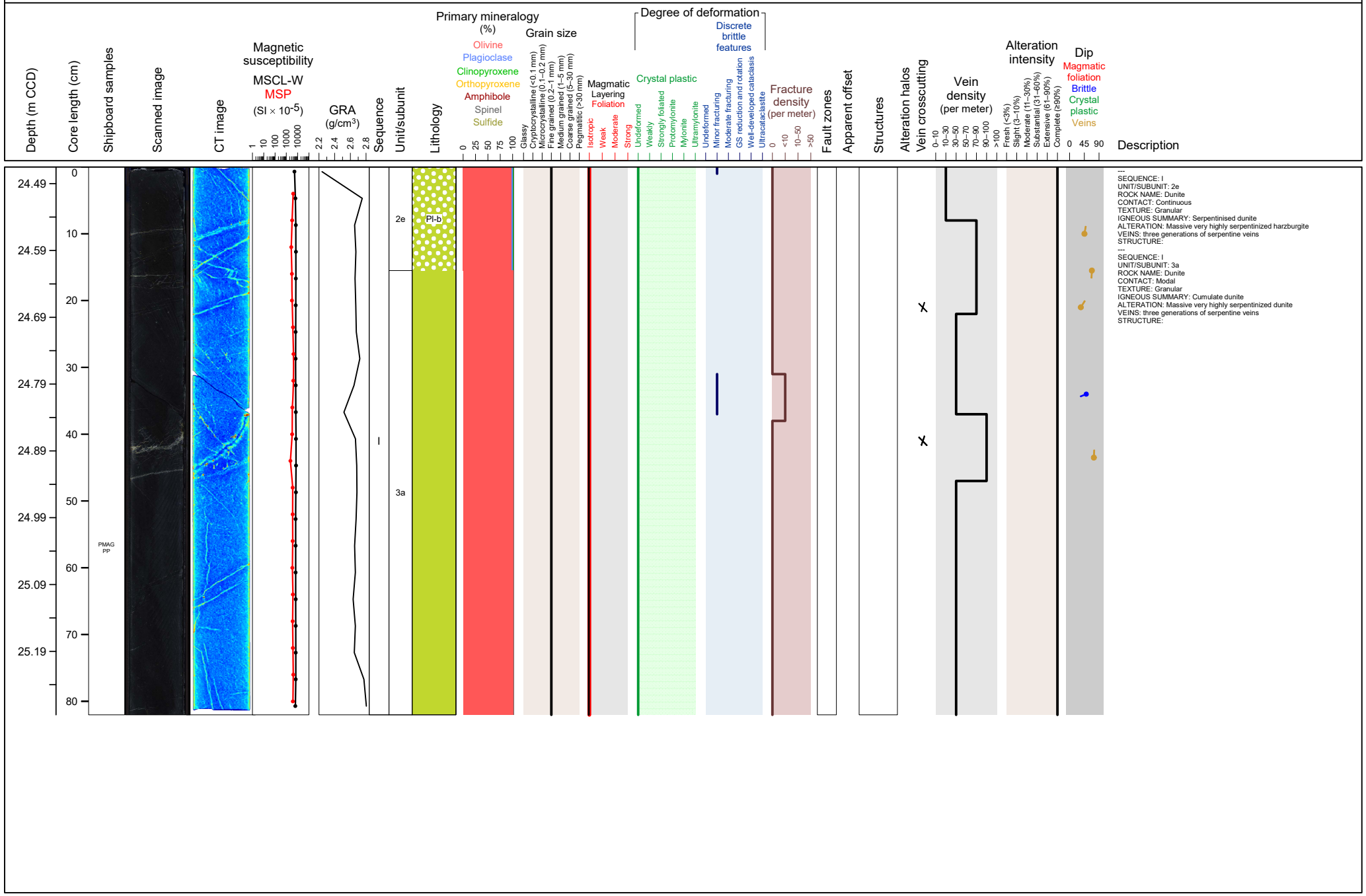
Hole CM2B-14Z Section 4, Top of Section 22.88 (m CCD)



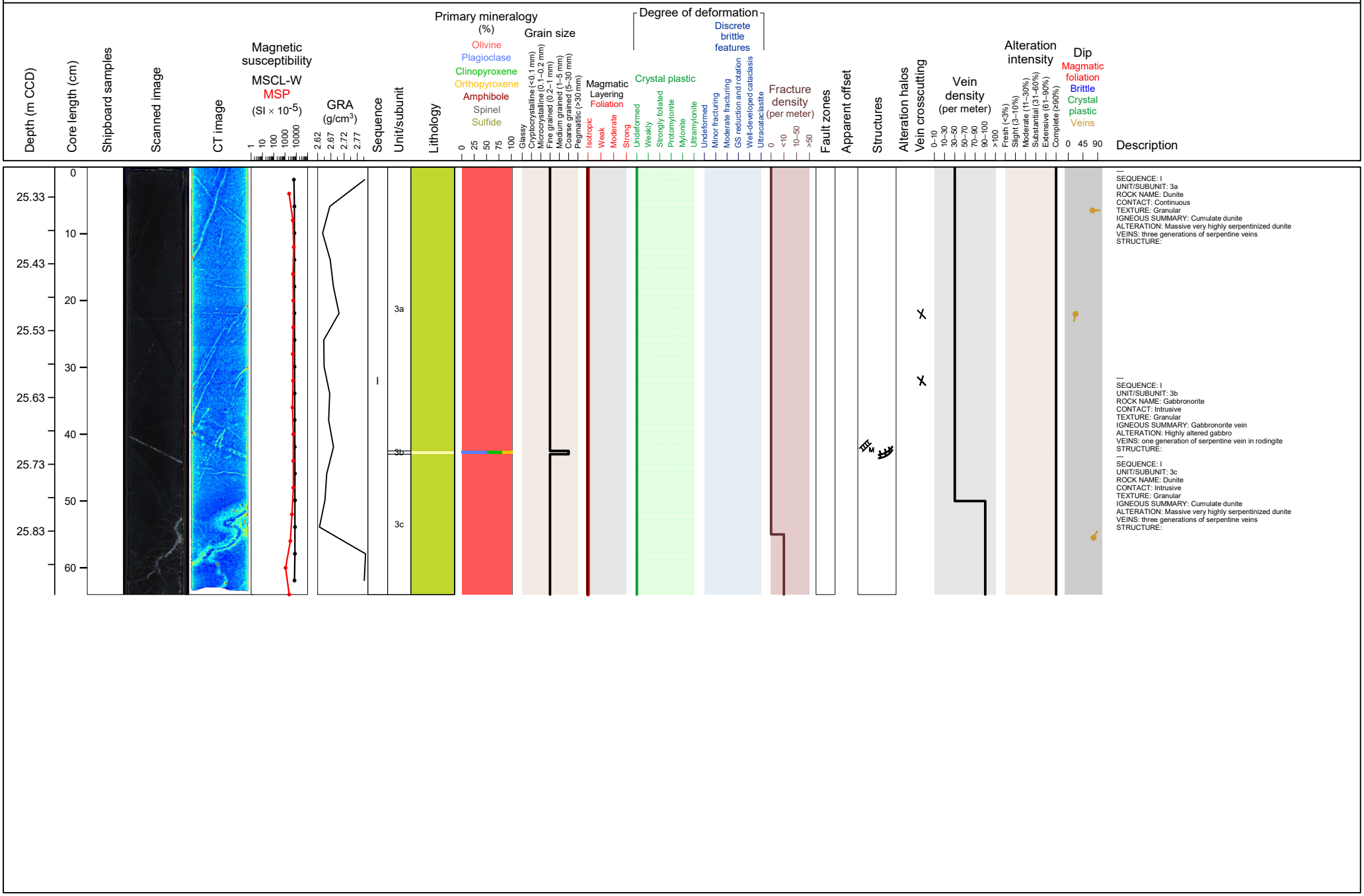
Hole CM2B-15Z Section 1, Top of Section 23.60 (m CCD)



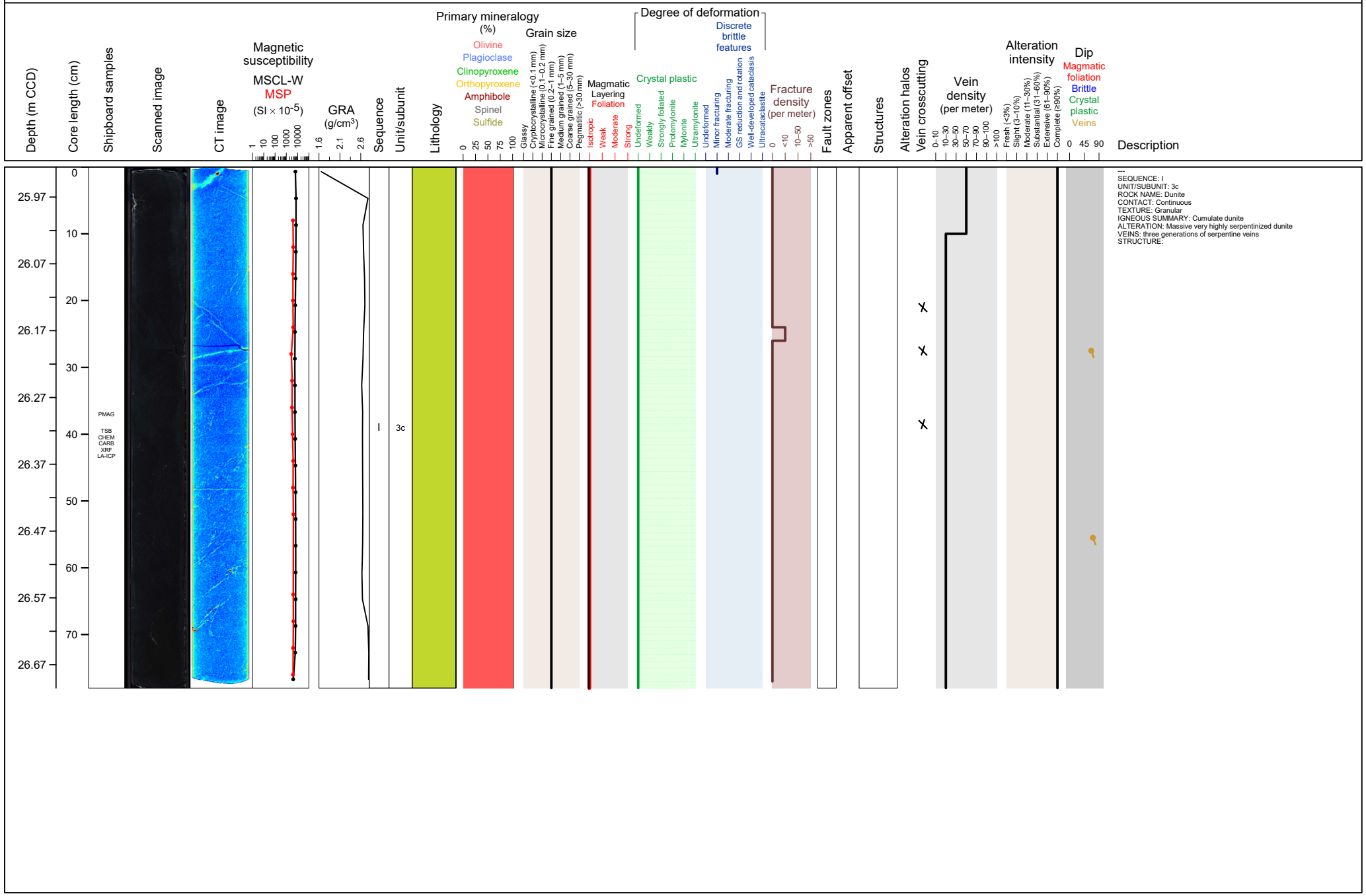
Hole CM2B-15Z Section 2, Top of Section 24.47 (m CCD)



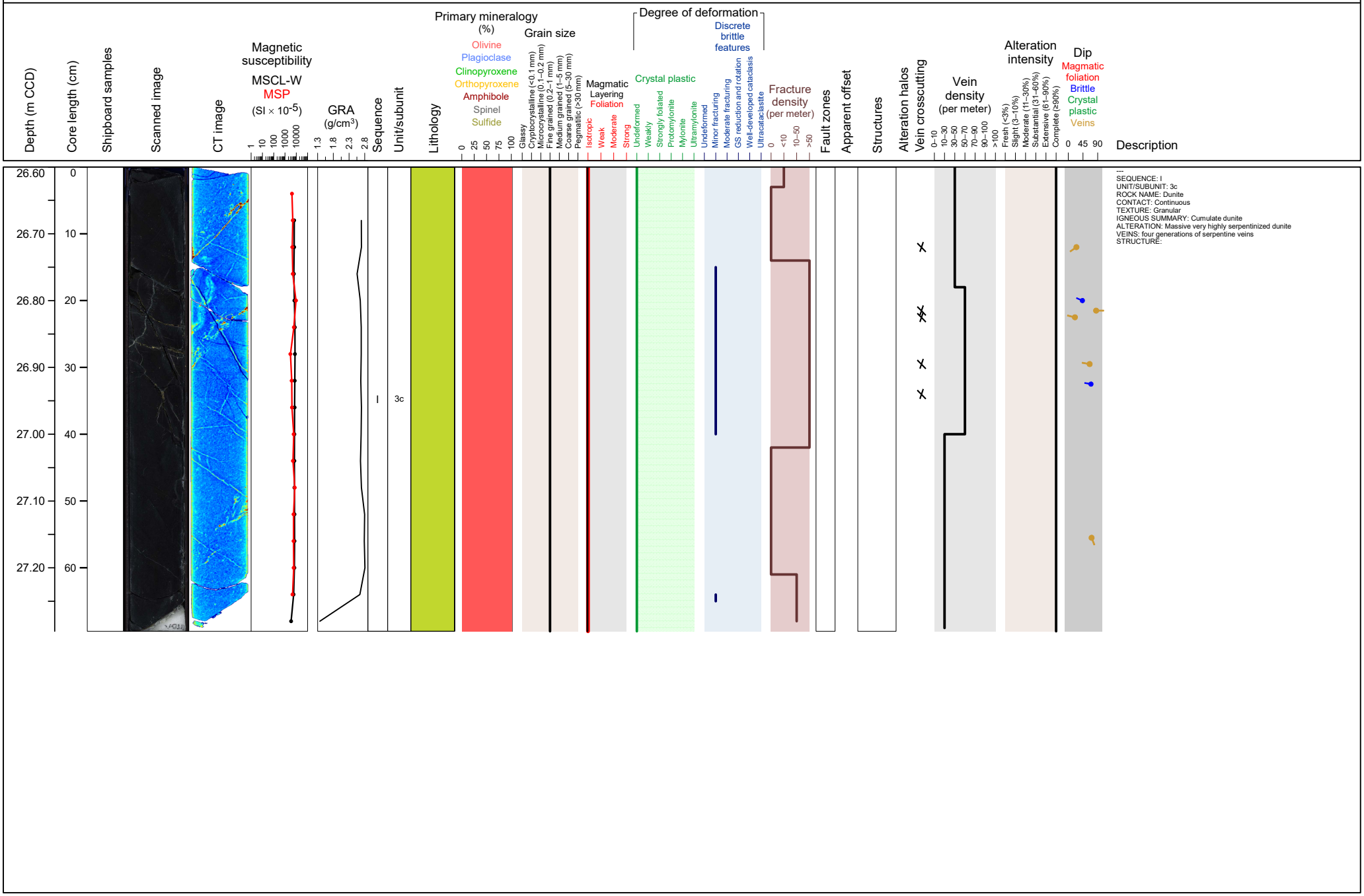
Hole CM2B-15Z Section 3, Top of Section 25.29 (m CCD)



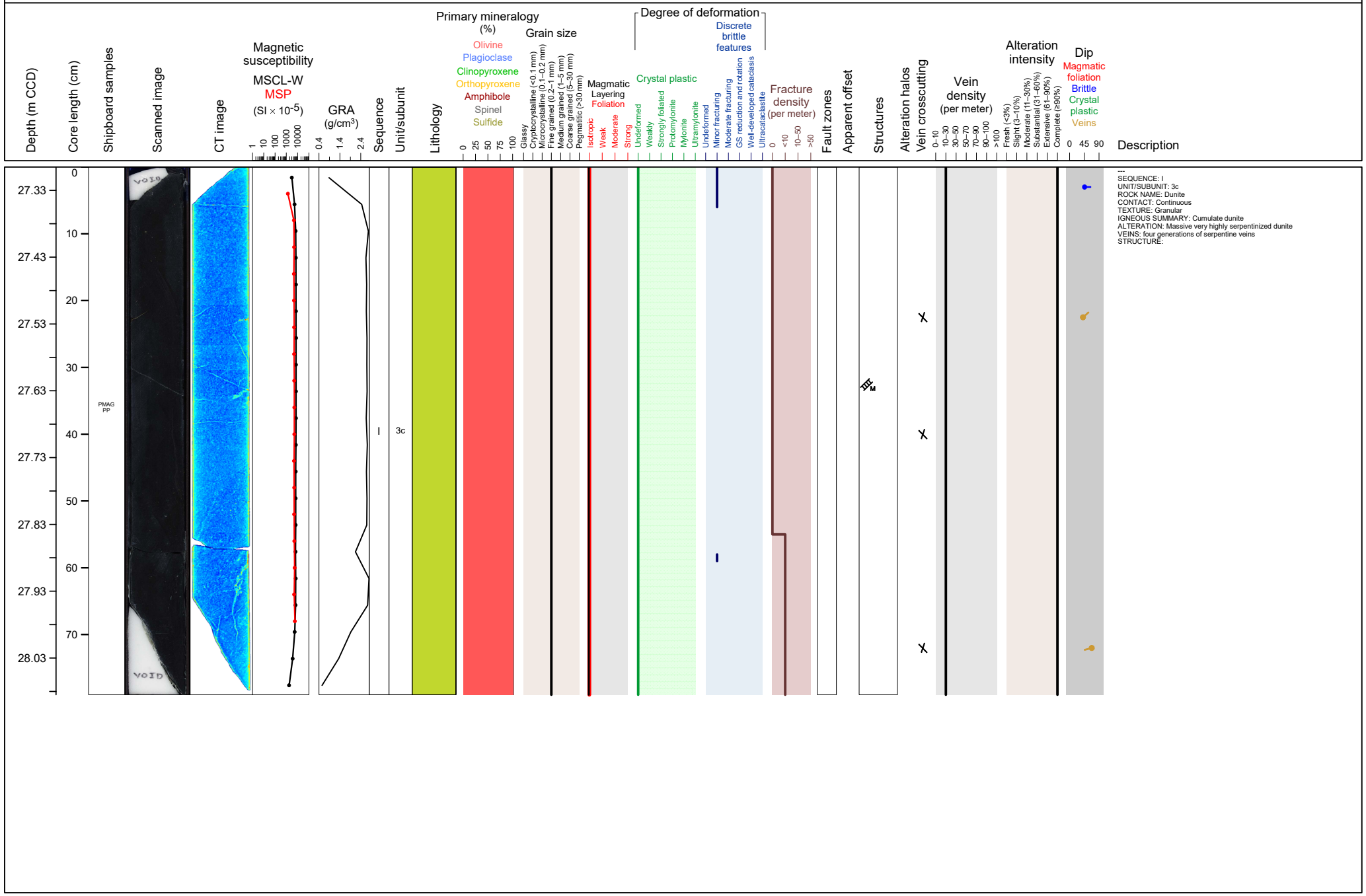
Hole CM2B-15Z Section 4, Top of Section 25.93 (m CCD)



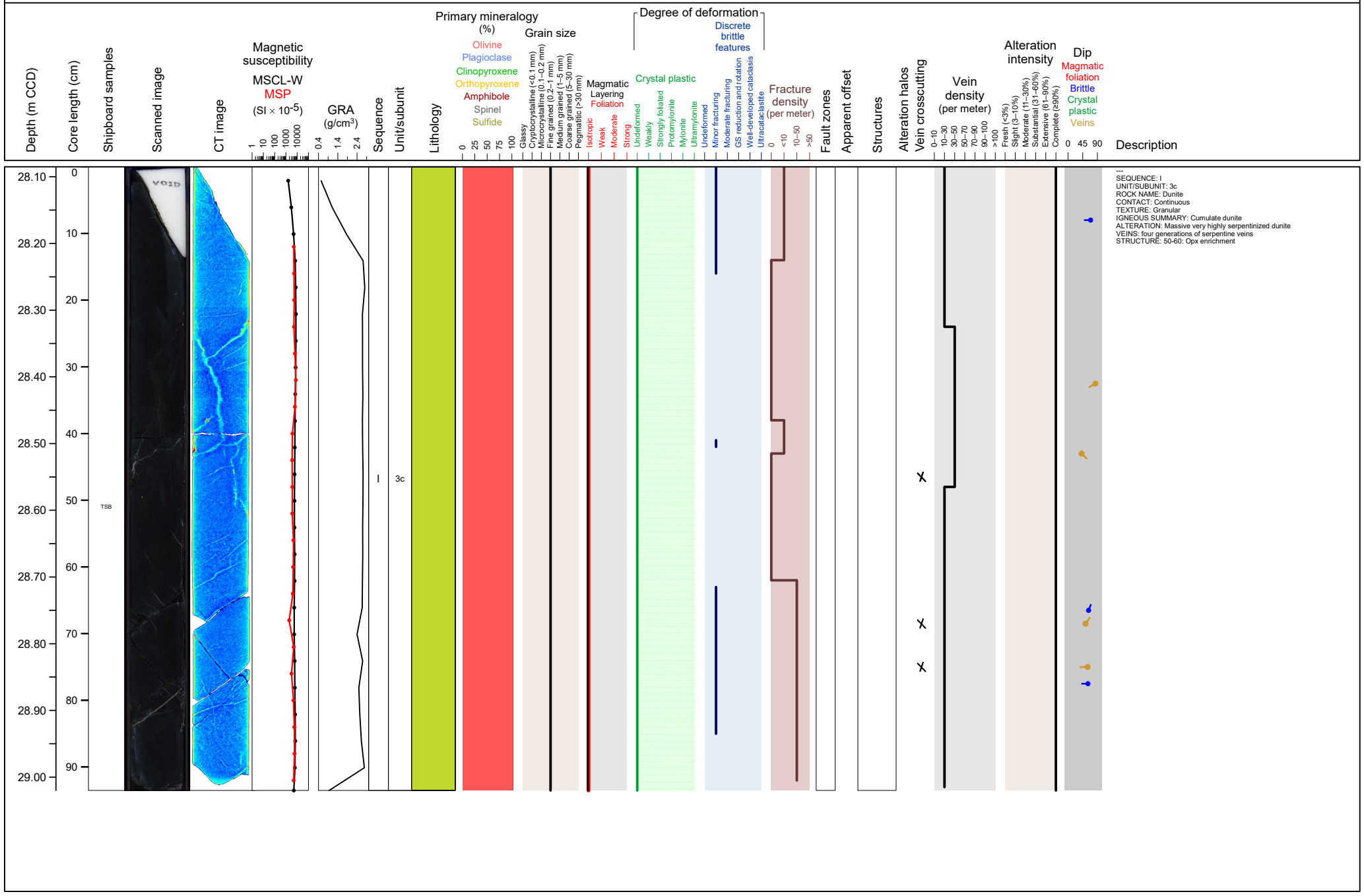
Hole CM2B-16Z Section 1, Top of Section 26.60 (m CCD)



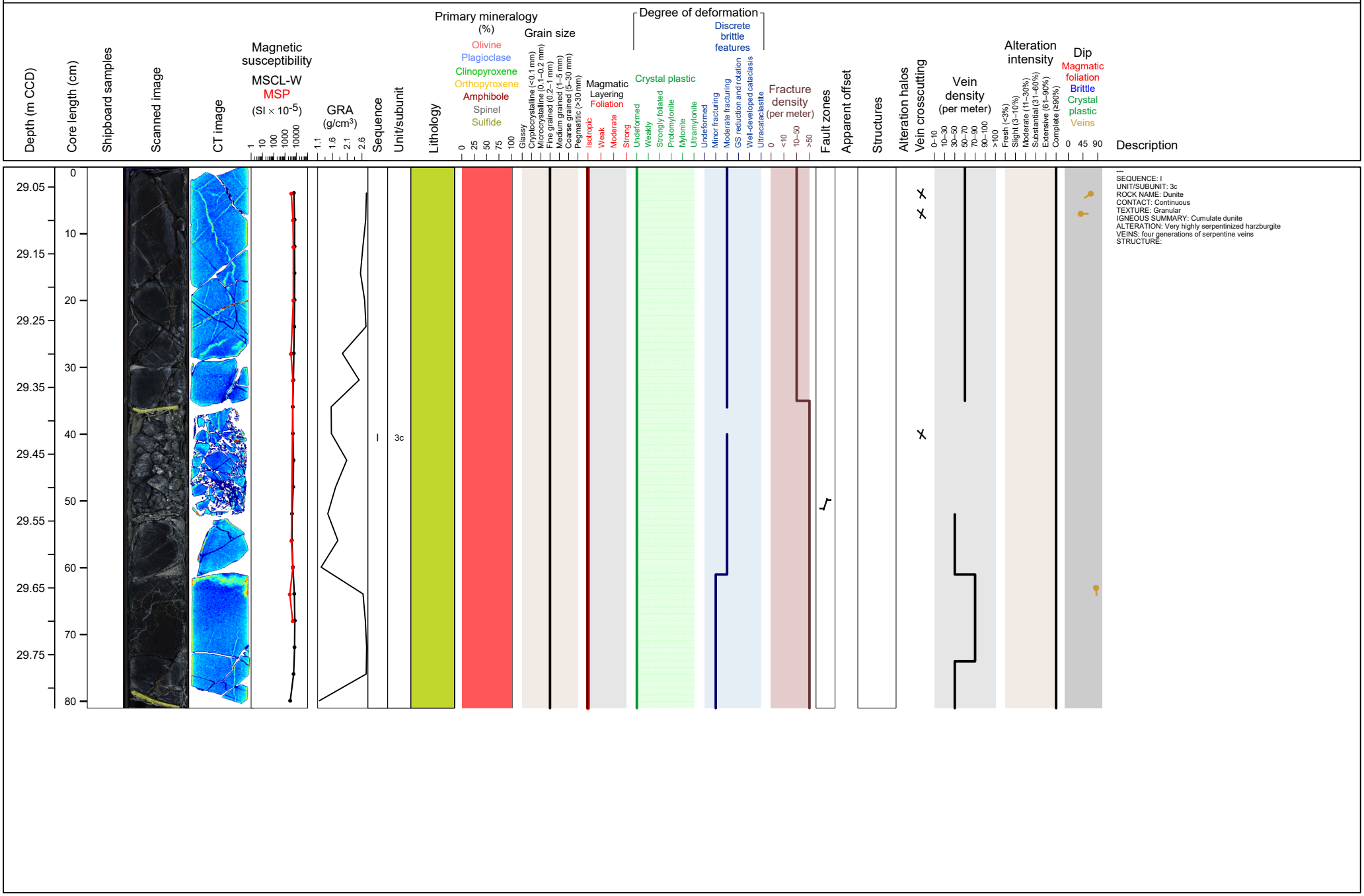
Hole CM2B-16Z Section 2, Top of Section 27.30 (m CCD)



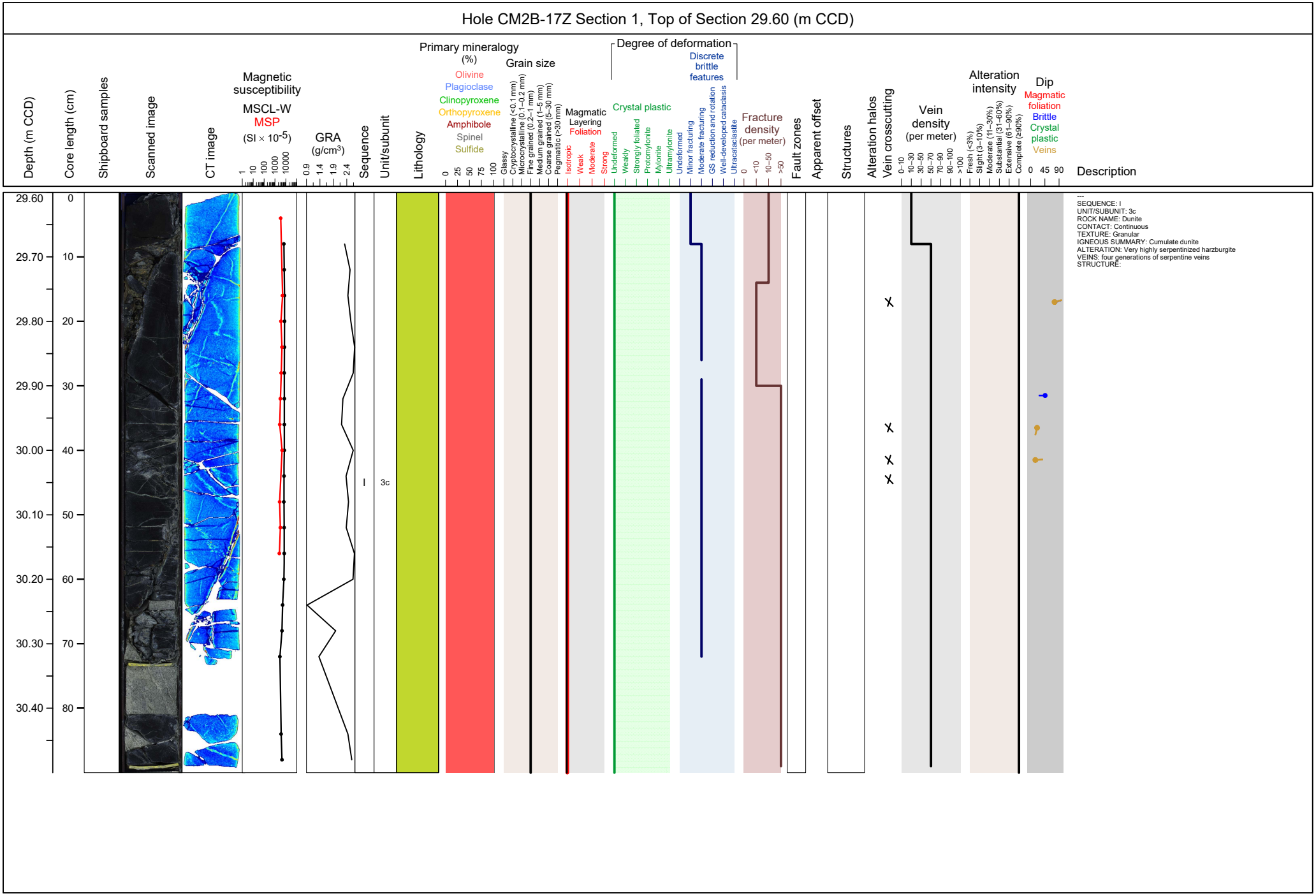
Hole CM2B-16Z Section 3, Top of Section 28.09 (m CCD)



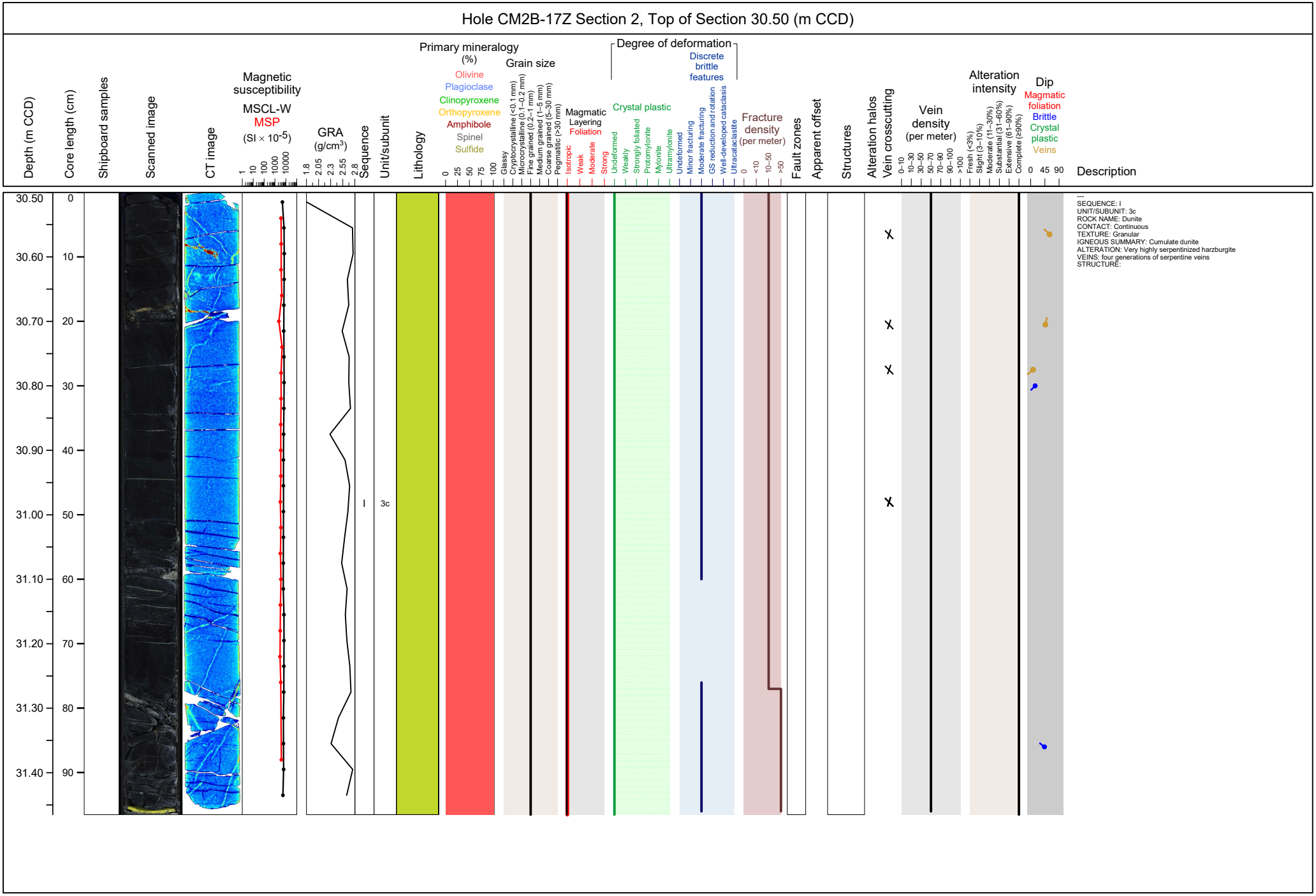
Hole CM2B-16Z Section 4, Top of Section 29.02 (m CCD)



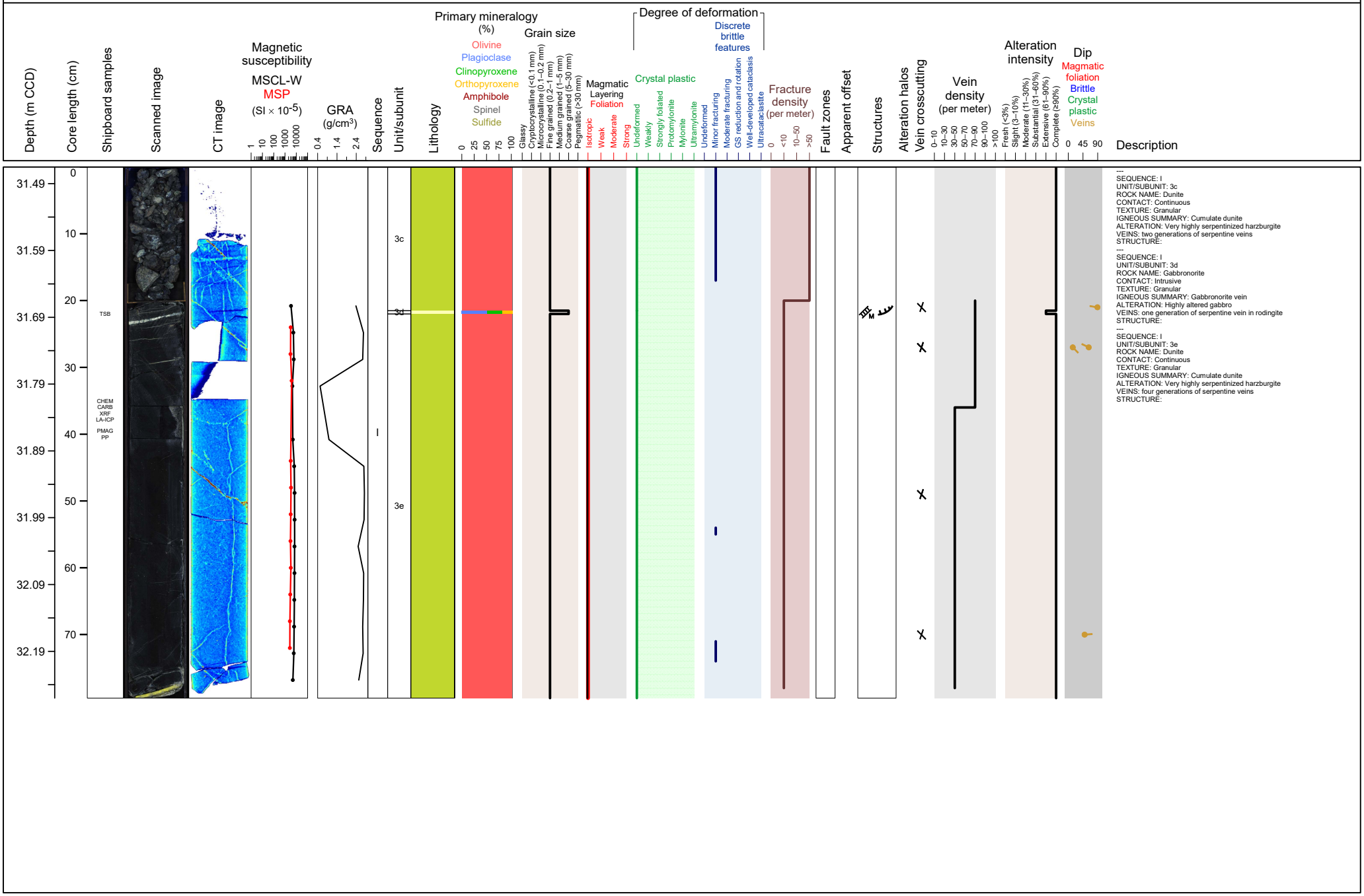
Hole CM2B-17Z Section 1, Top of Section 29.60 (m CCD)



Hole CM2B-17Z Section 2, Top of Section 30.50 (m CCD)



Hole CM2B-17Z Section 3, Top of Section 31.47 (m CCD)

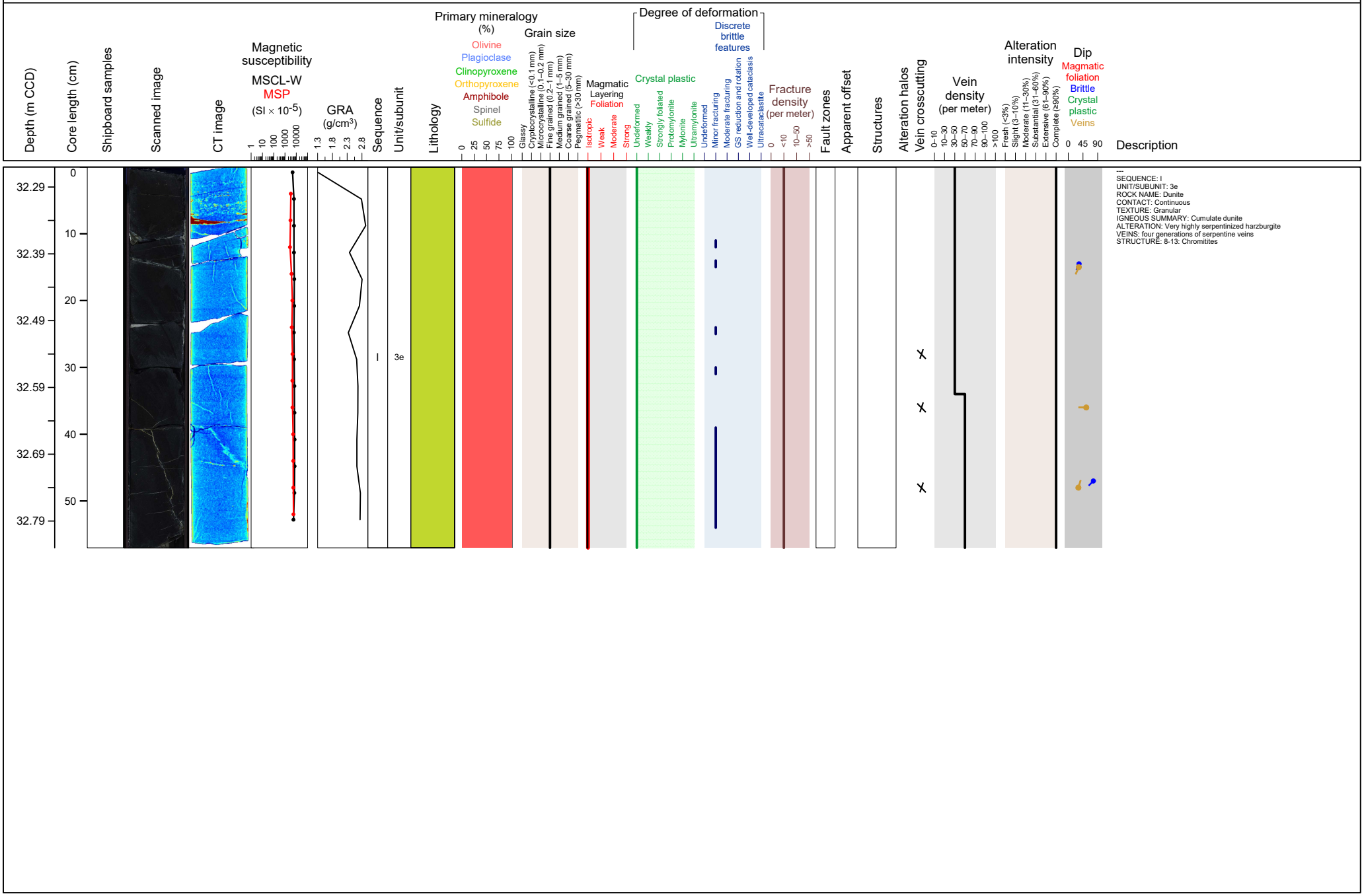


SEQUENCE: I
UNIT/SUBUNIT: 3c
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Cumulate dunite
ALTERATION: Very highly serpentinized harzburgite
VEINS: two generations of serpentine veins
STRUCTURE:

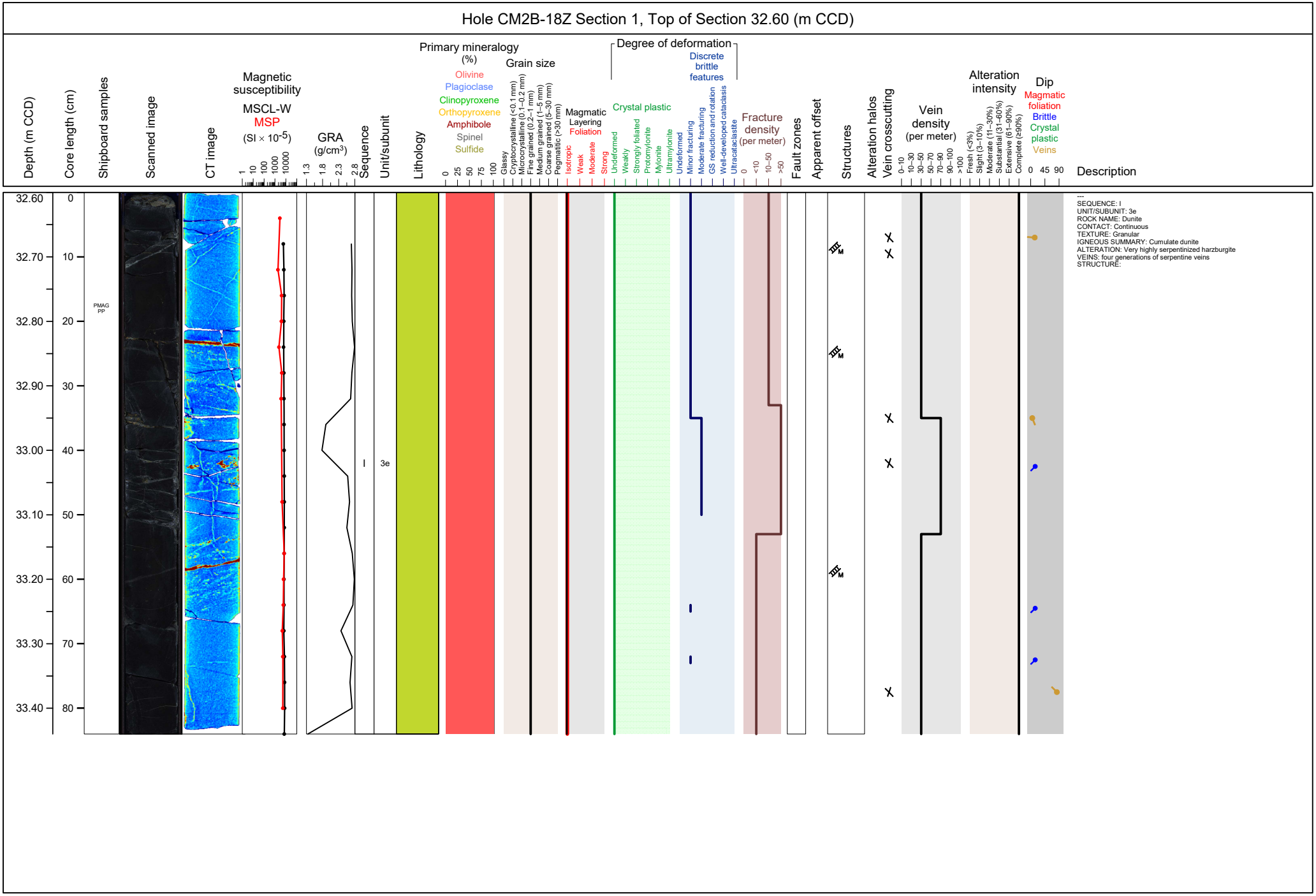
SEQUENCE: I
UNIT/SUBUNIT: 3d
ROCK NAME: Gabbronorite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Gabbronorite vein
ALTERATION: Highly altered gabbro
VEINS: one generation of serpentine vein in rodingite
STRUCTURE:

SEQUENCE: I
UNIT/SUBUNIT: 3e
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Cumulate dunite
ALTERATION: Very highly serpentinized harzburgite
VEINS: four generations of serpentine veins
STRUCTURE:

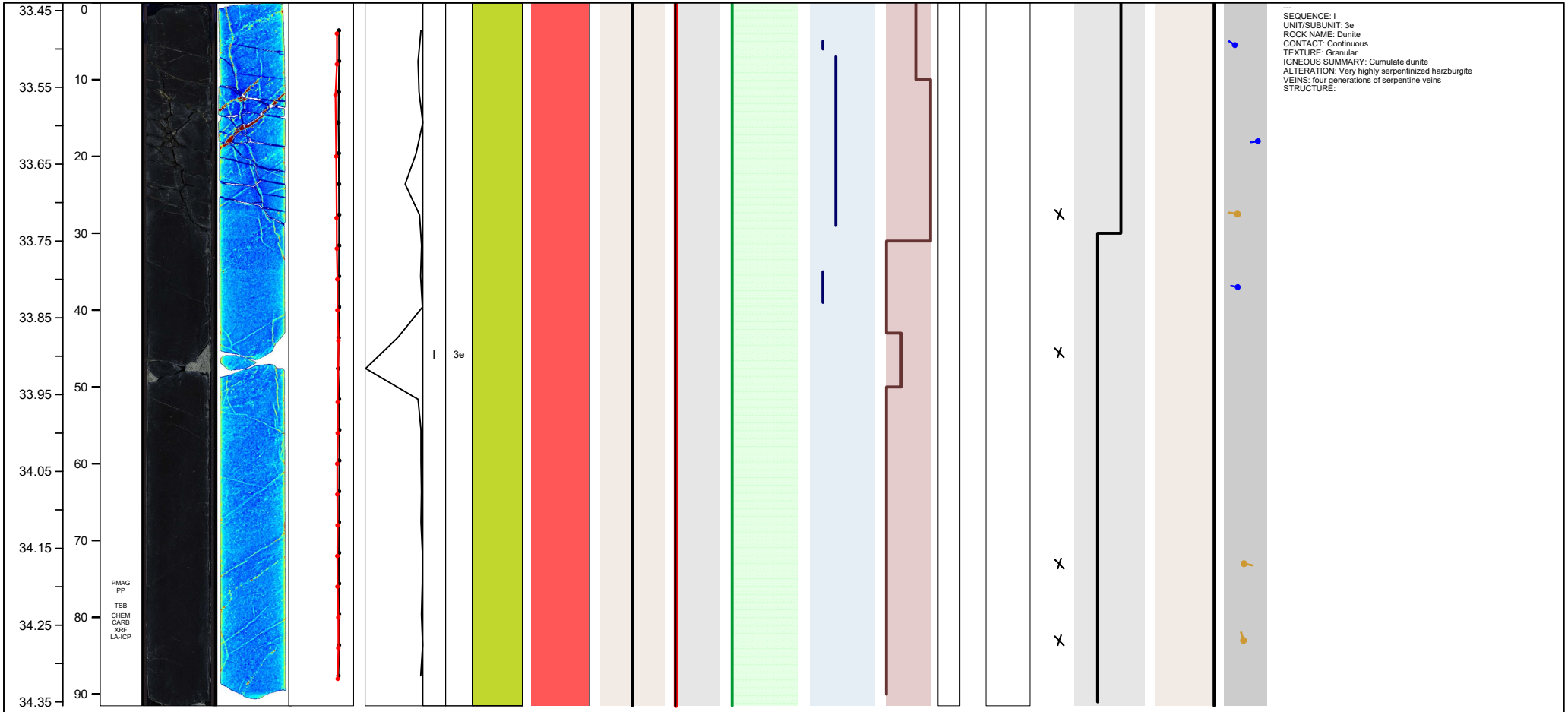
Hole CM2B-17Z Section 4, Top of Section 32.26 (m CCD)



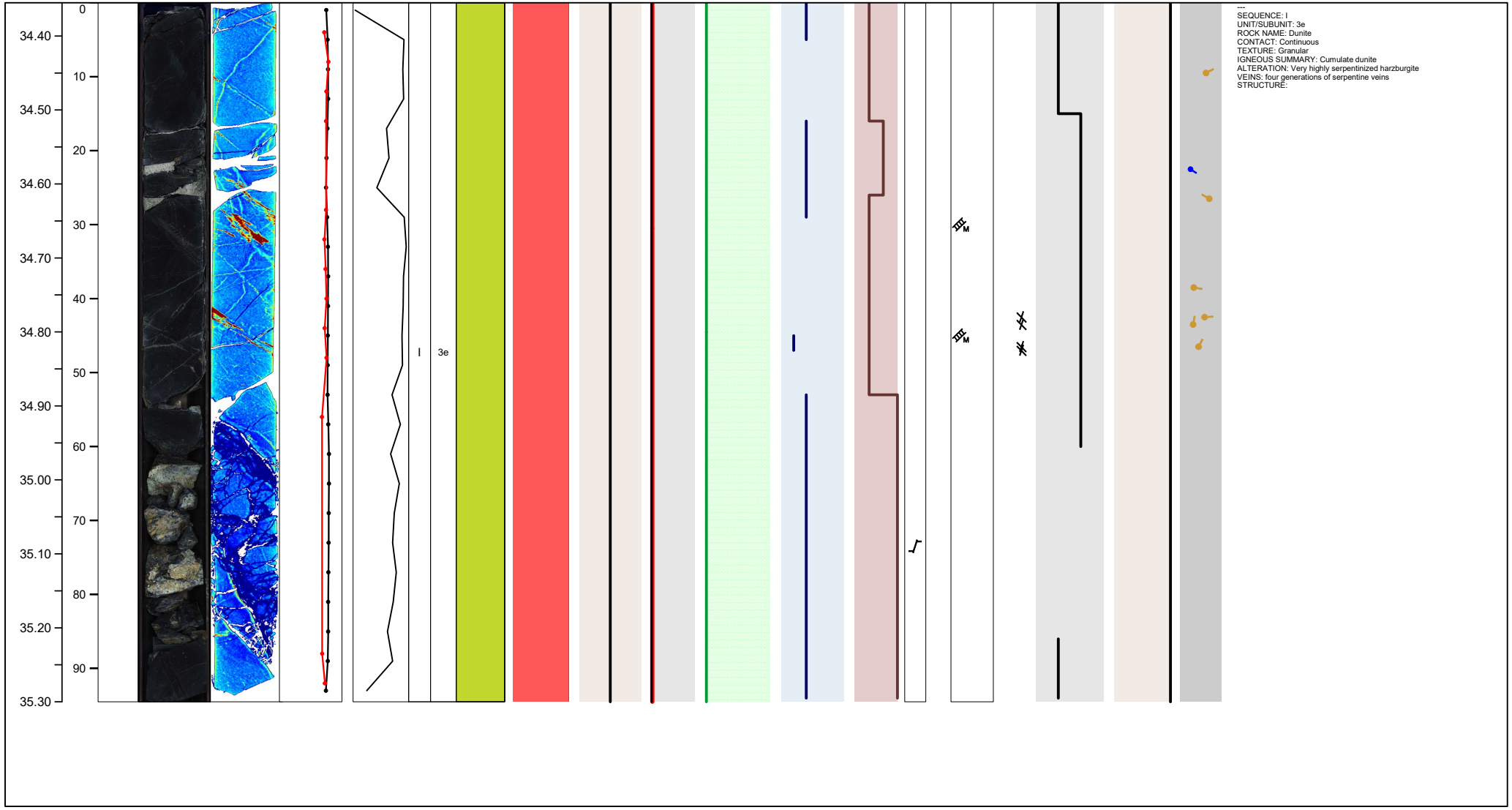
Hole CM2B-18Z Section 1, Top of Section 32.60 (m CCD)



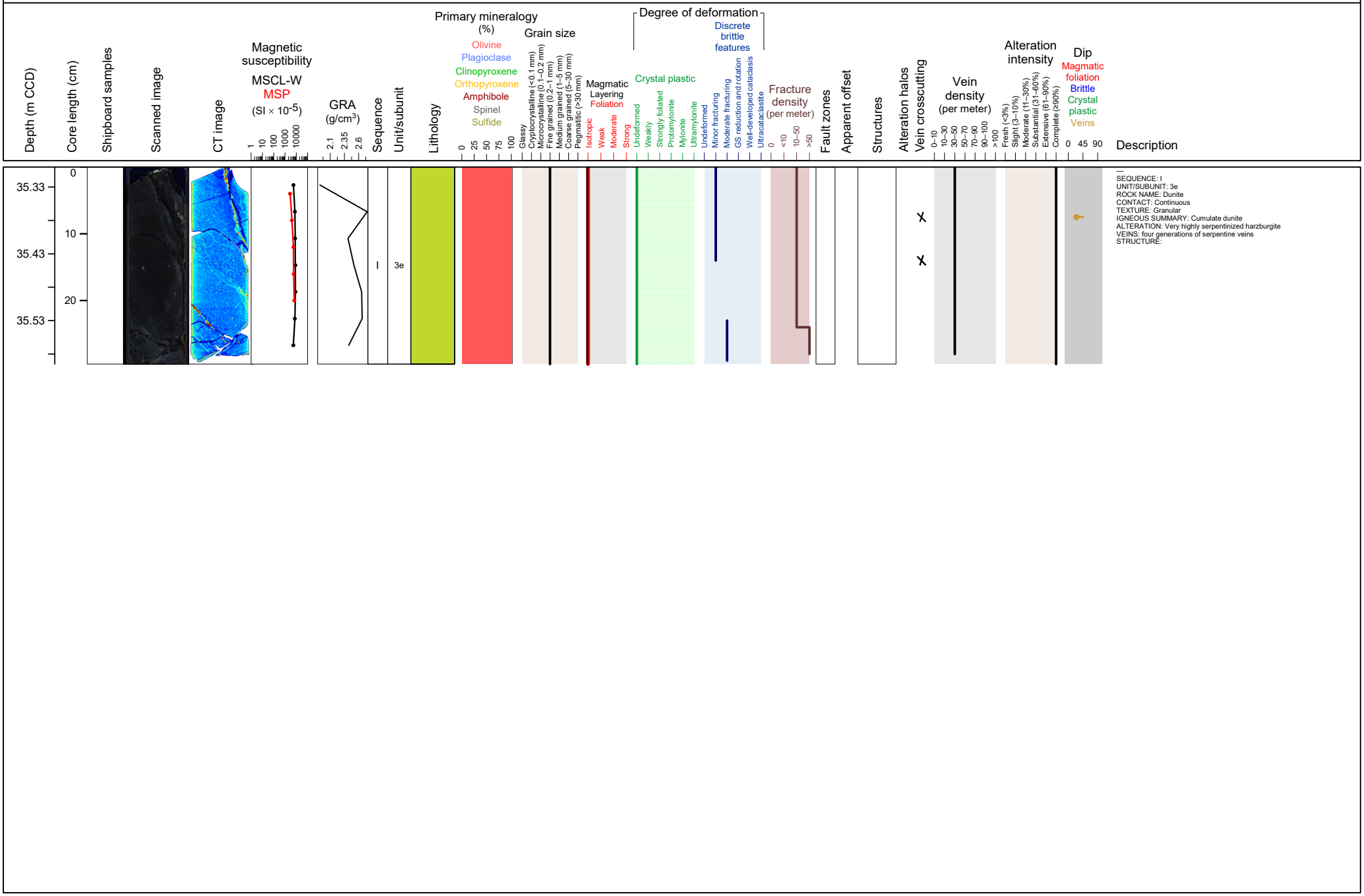
Hole CM2B-18Z Section 2, Top of Section 33.44 (m CCD)



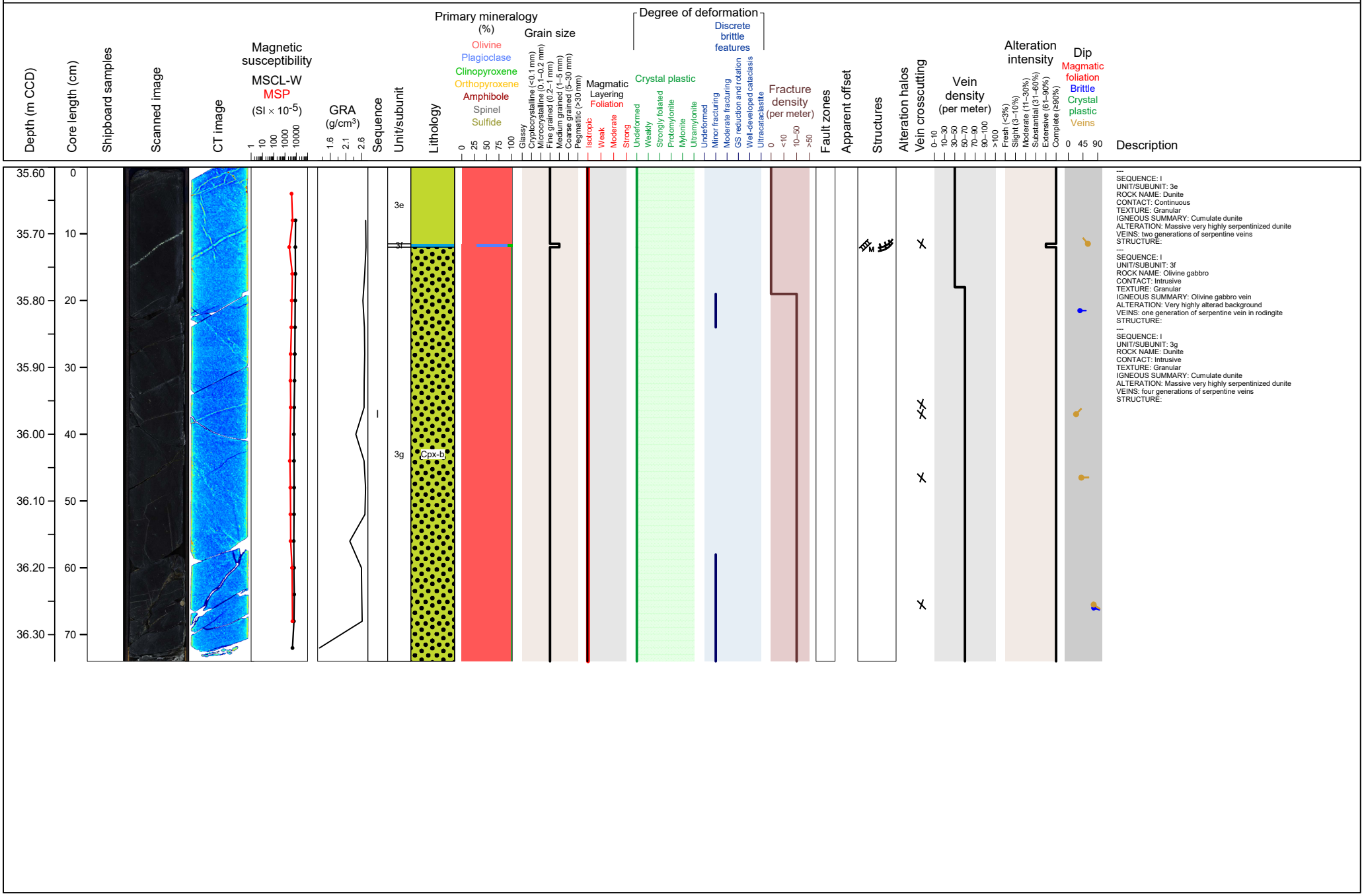
Hole CM2B-18Z Section 3, Top of Section 34.36 (m CCD)



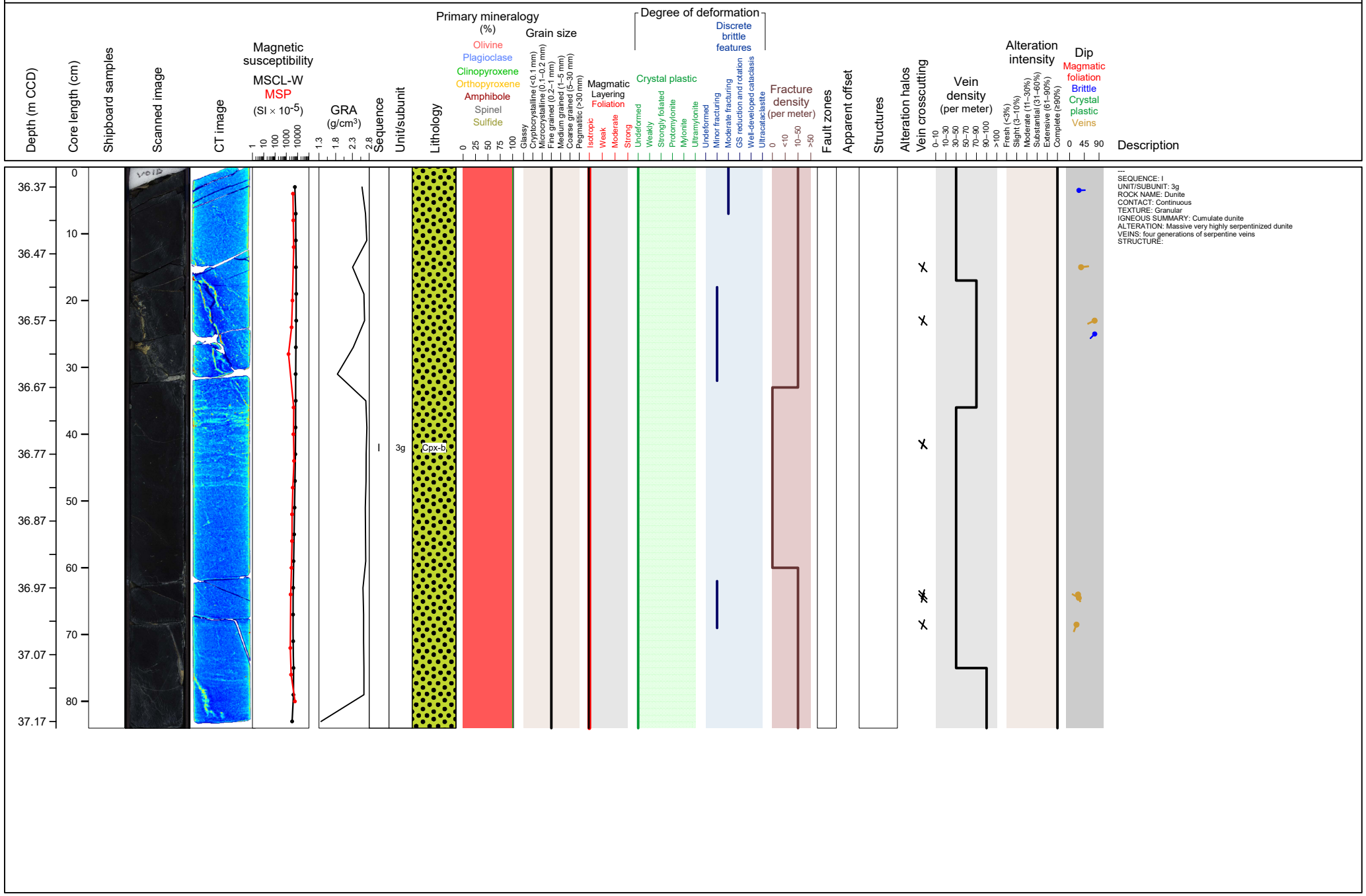
Hole CM2B-18Z Section 4, Top of Section 35.30 (m CCD)



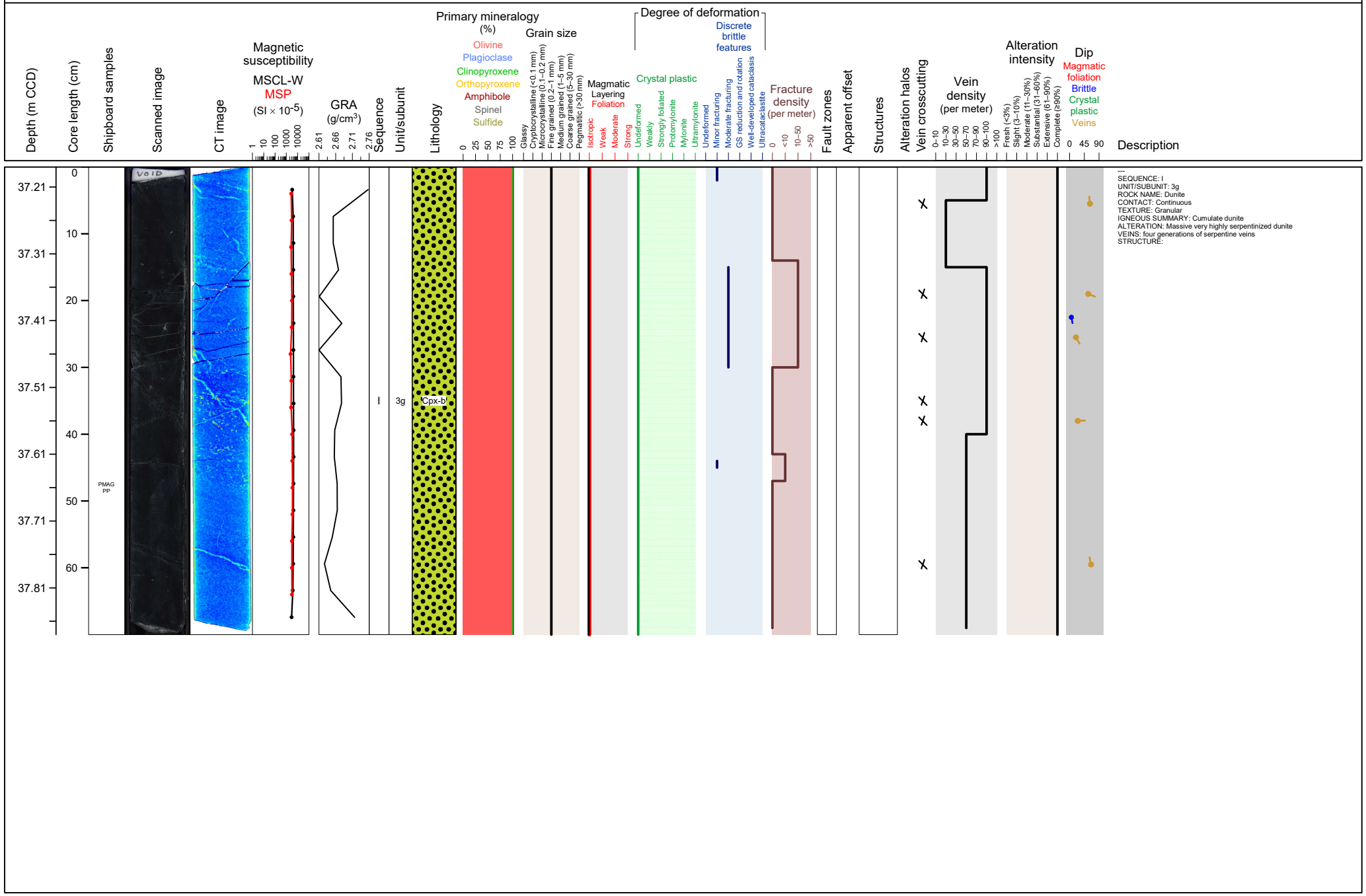
Hole CM2B-19Z Section 1, Top of Section 35.60 (m CCD)



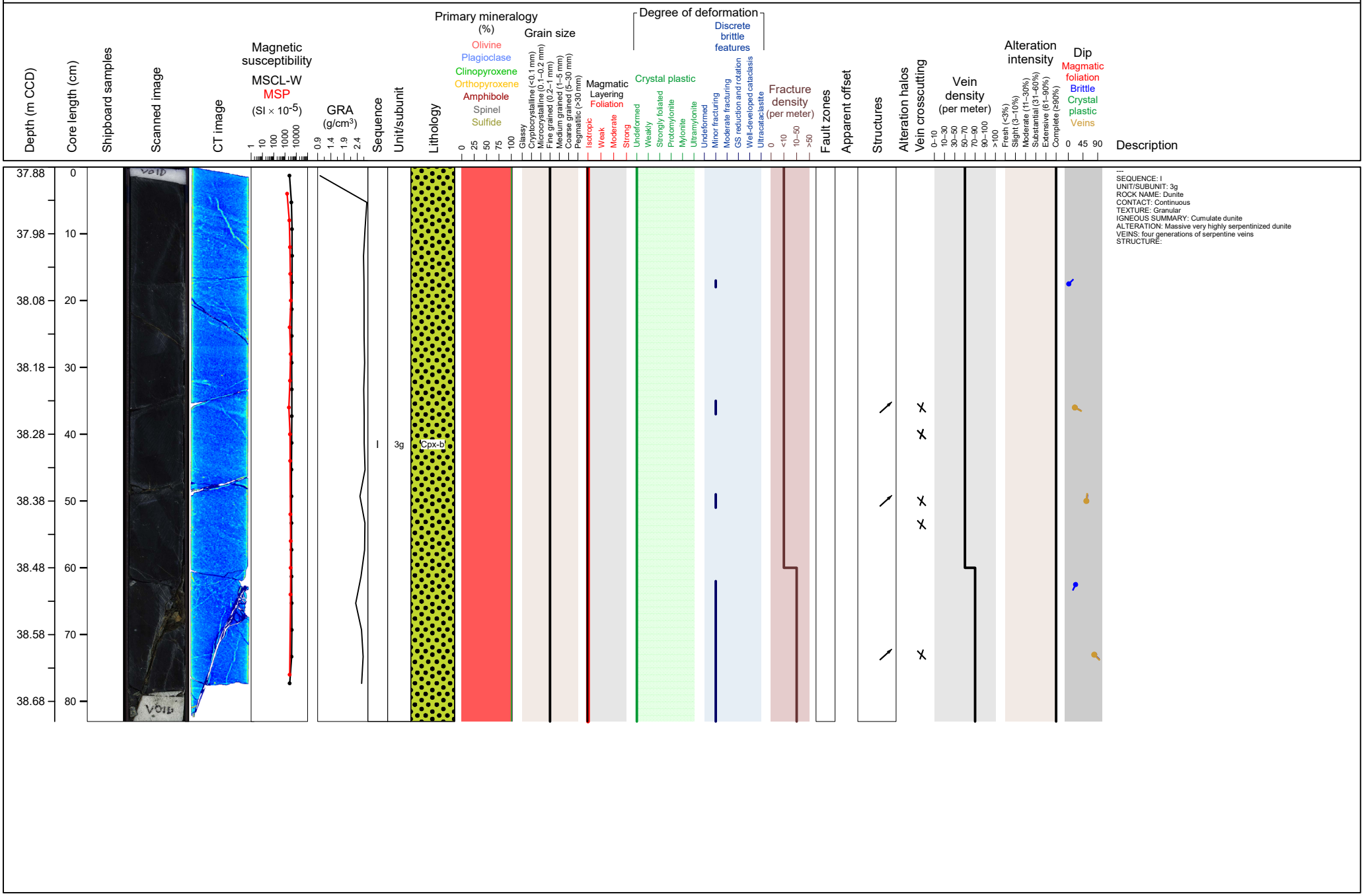
Hole CM2B-19Z Section 2, Top of Section 36.34 (m CCD)



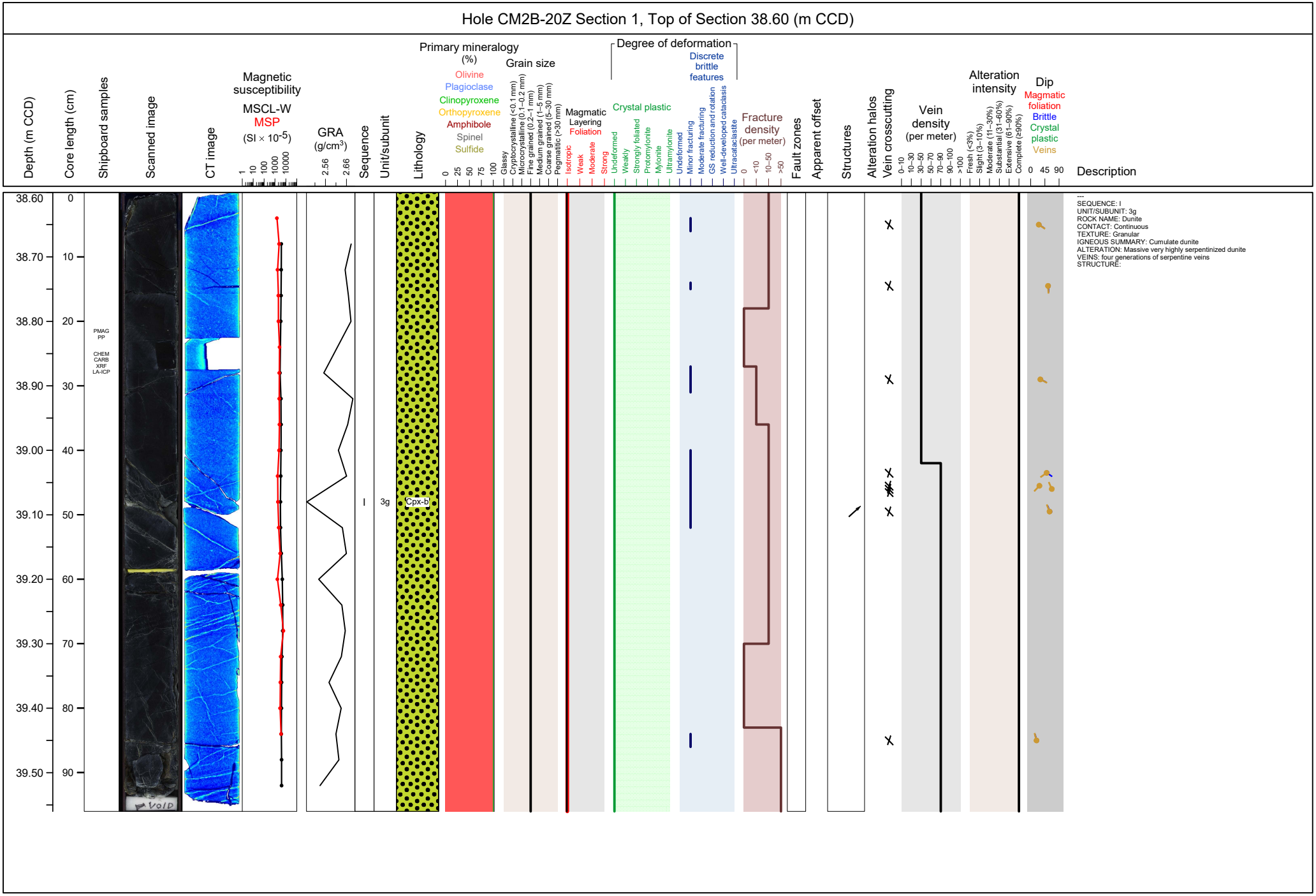
Hole CM2B-19Z Section 3, Top of Section 37.18 (m CCD)



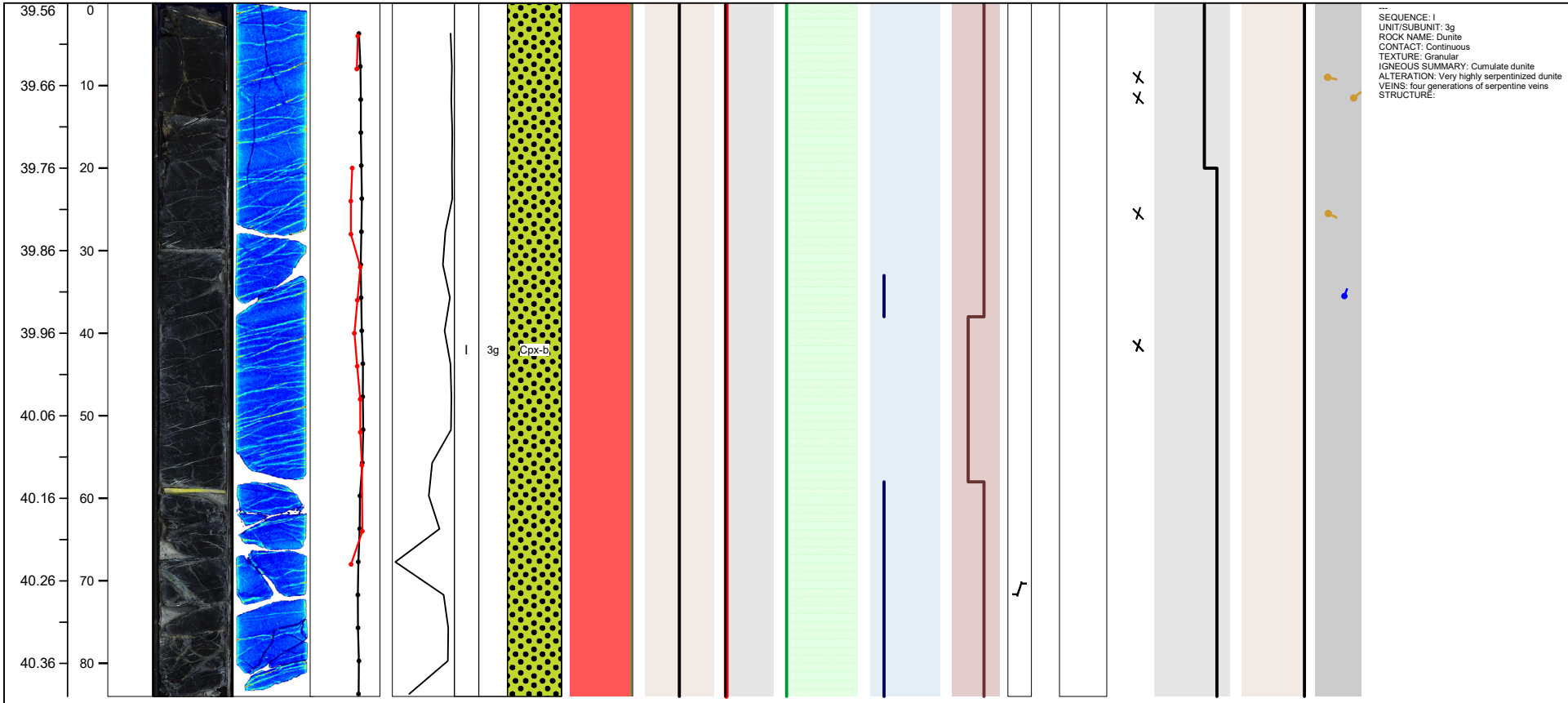
Hole CM2B-19Z Section 4, Top of Section 37.88 (m CCD)



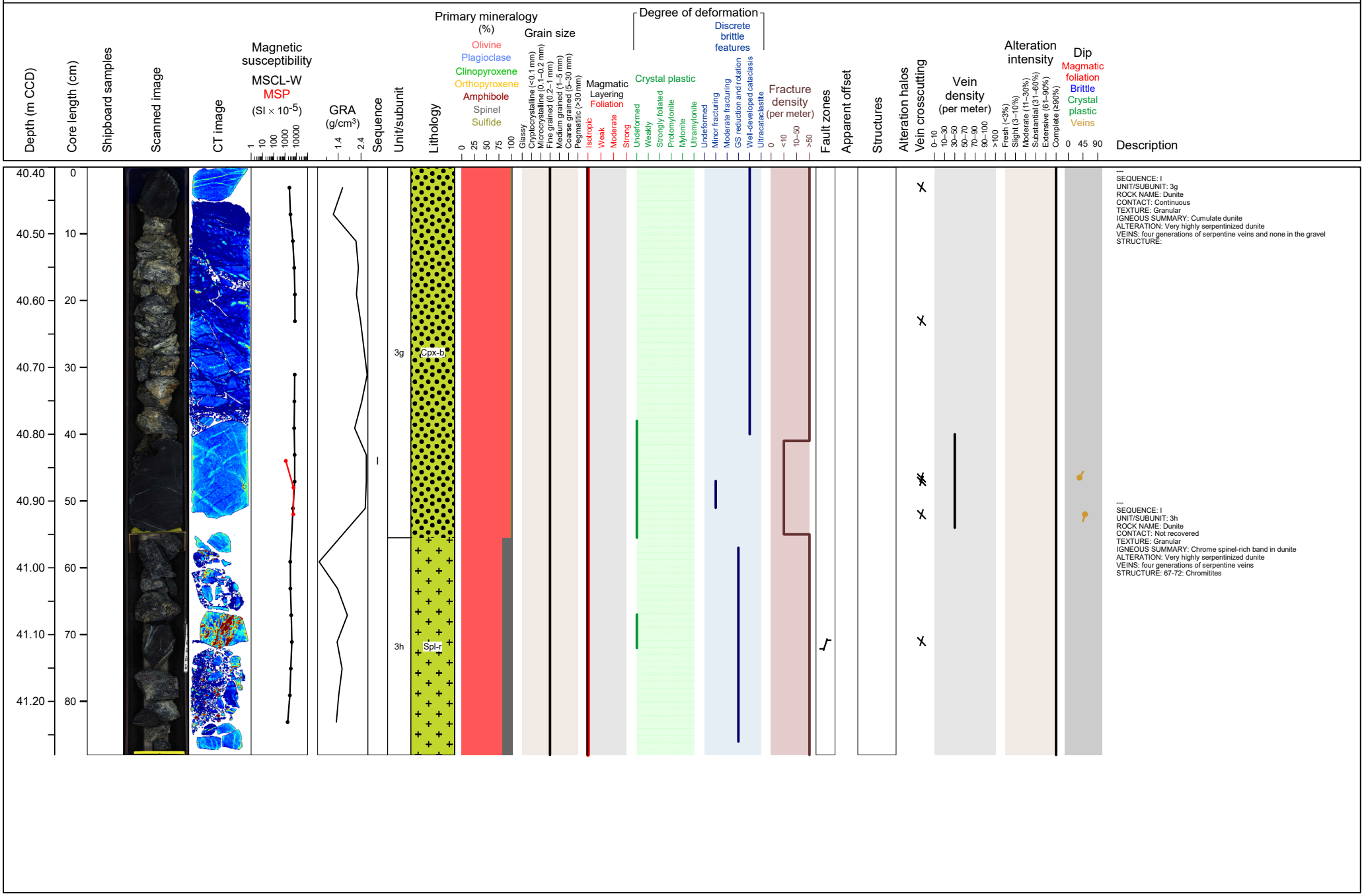
Hole CM2B-20Z Section 1, Top of Section 38.60 (m CCD)



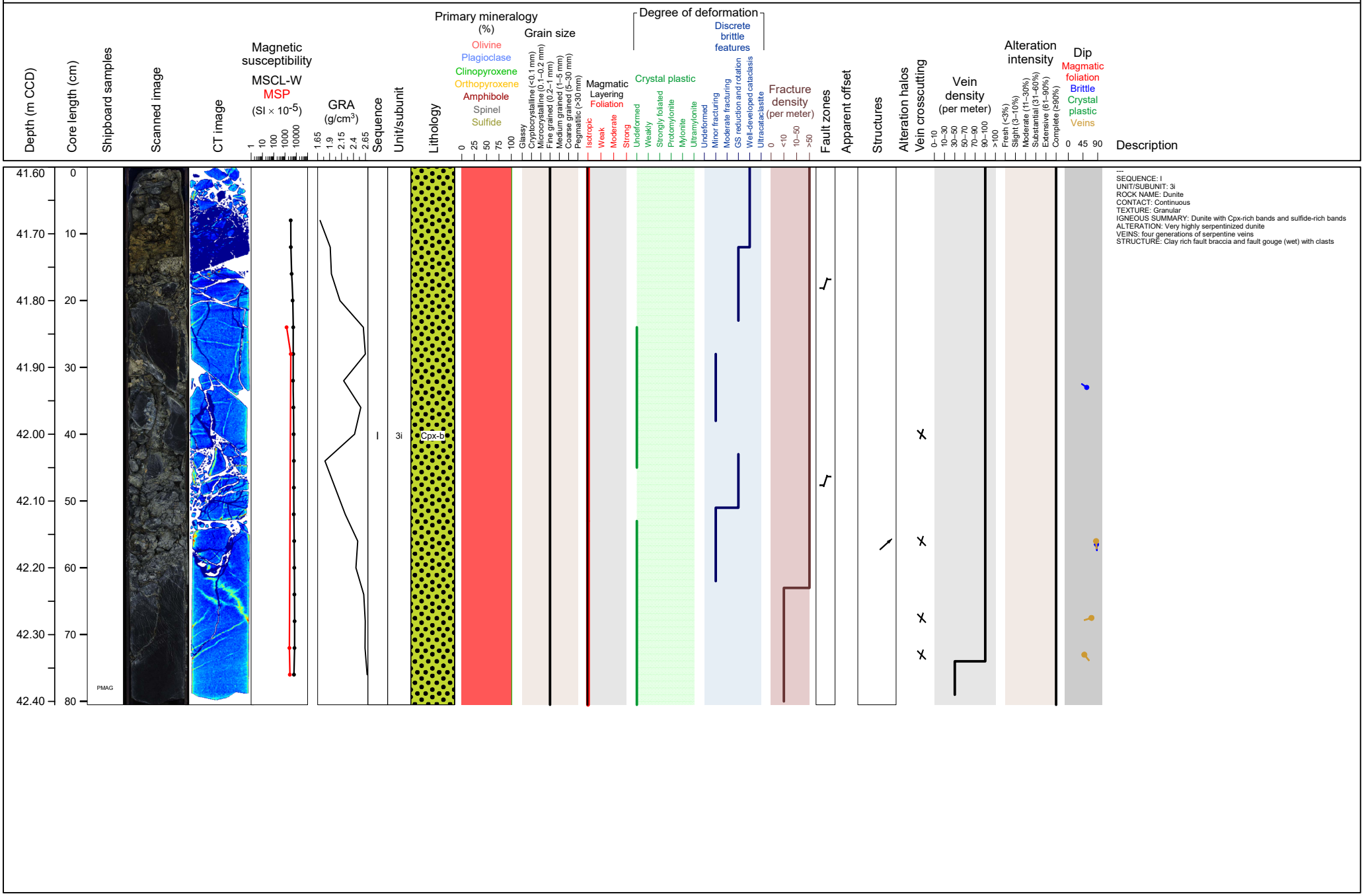
Hole CM2B-20Z Section 2, Top of Section 39.56 (m CCD)



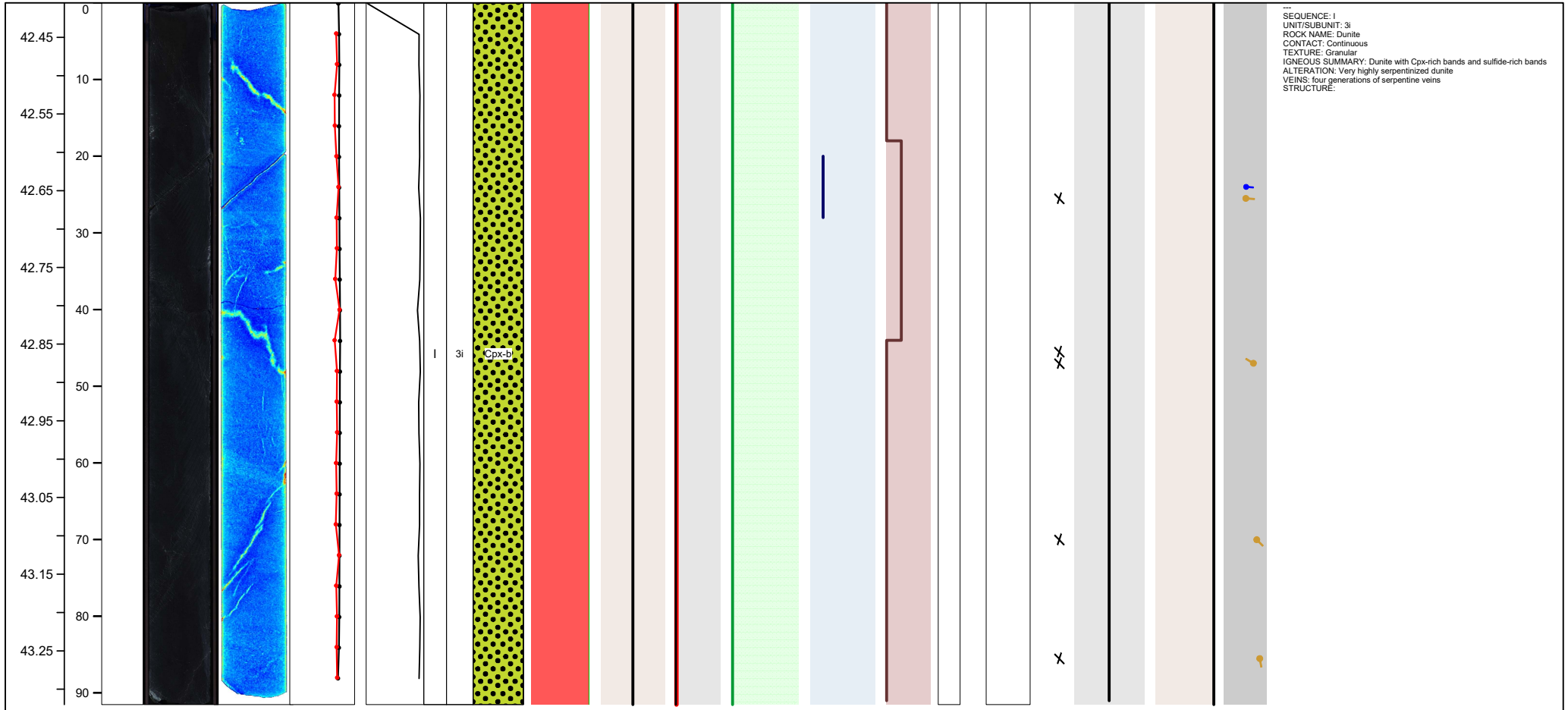
Hole CM2B-20Z Section 3, Top of Section 40.40 (m CCD)



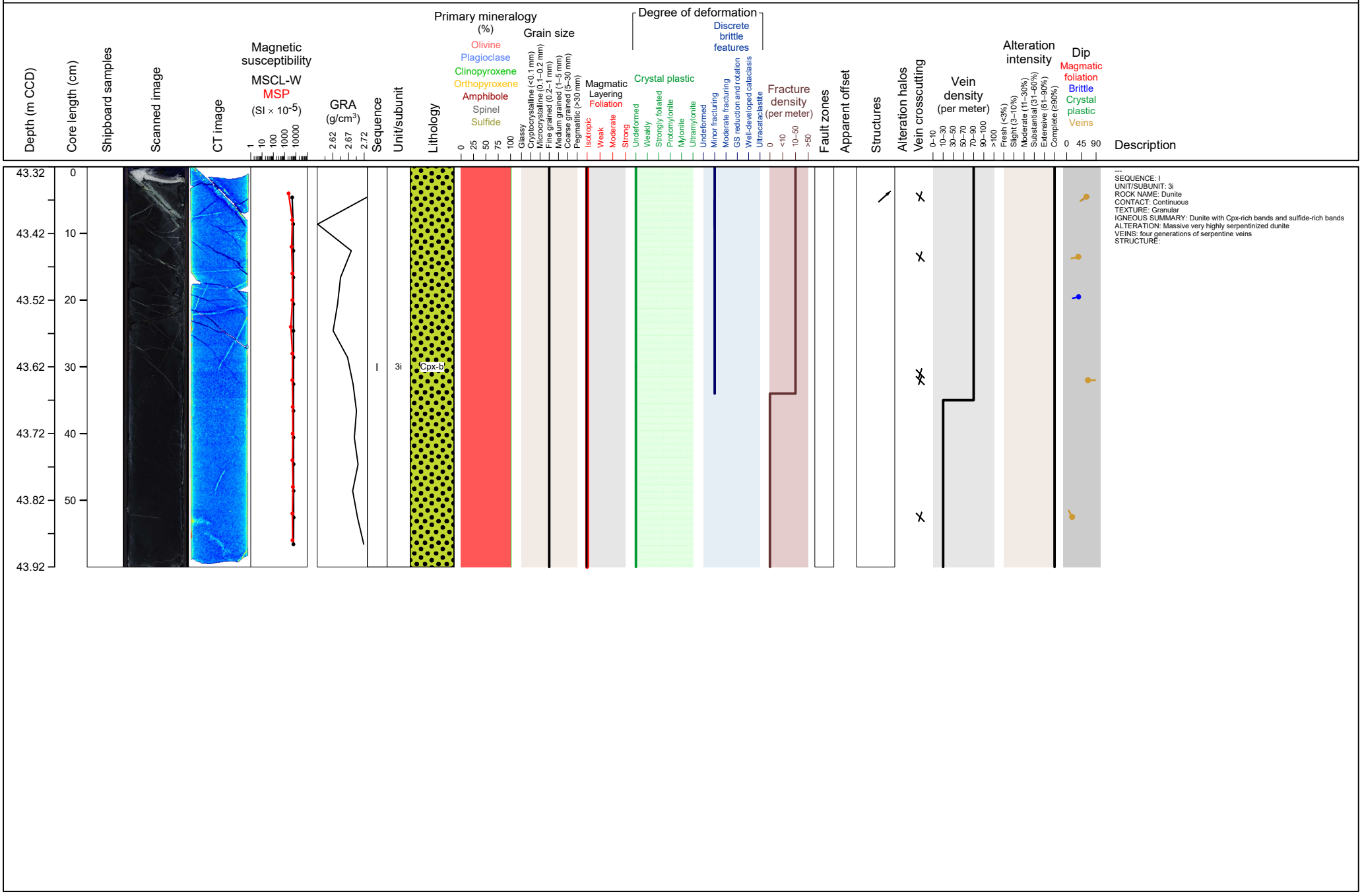
Hole CM2B-21Z Section 1, Top of Section 41.60 (m CCD)



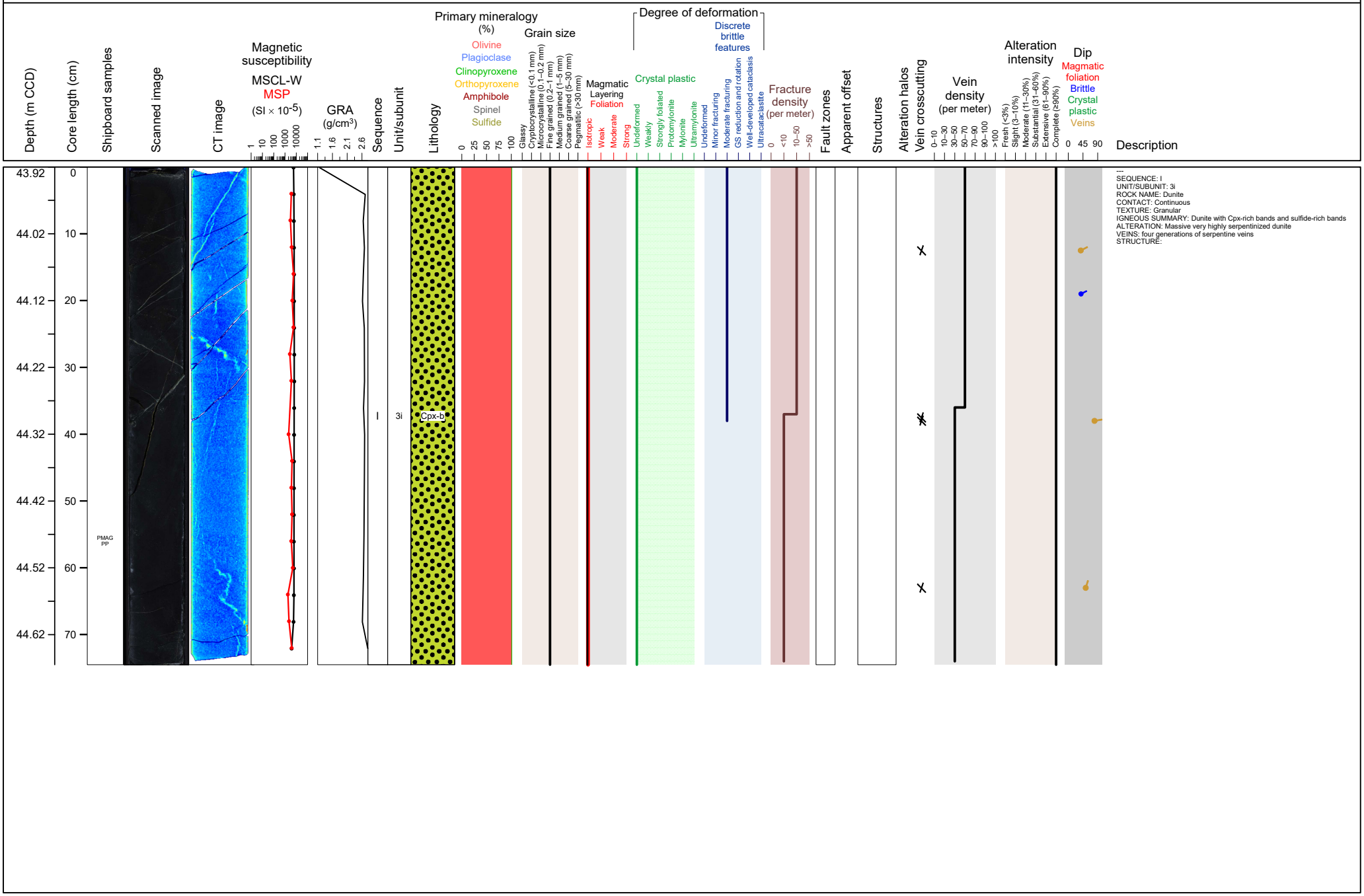
Hole CM2B-21Z Section 2, Top of Section 42.41 (m CCD)



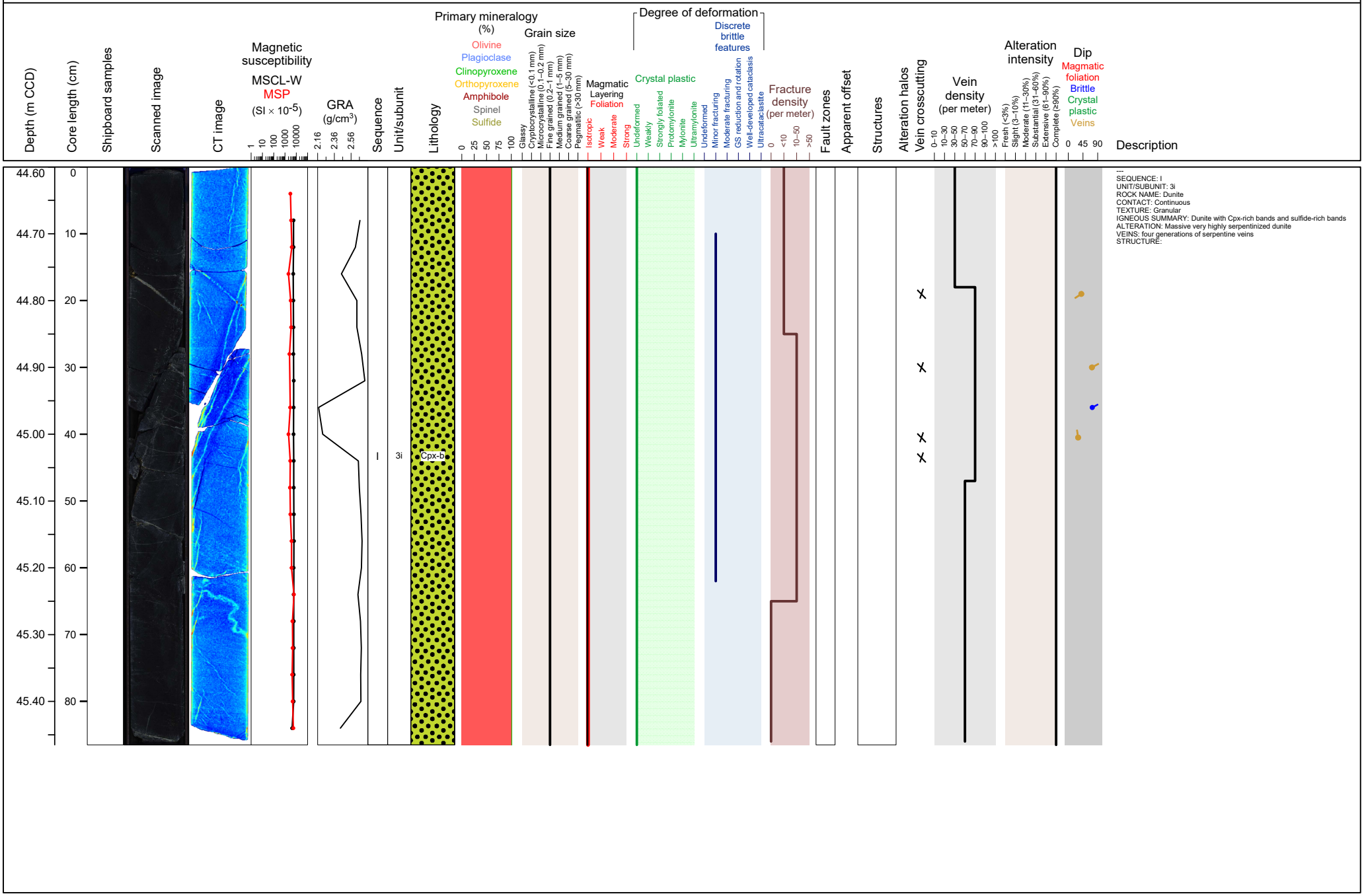
Hole CM2B-21Z Section 3, Top of Section 43.32 (m CCD)



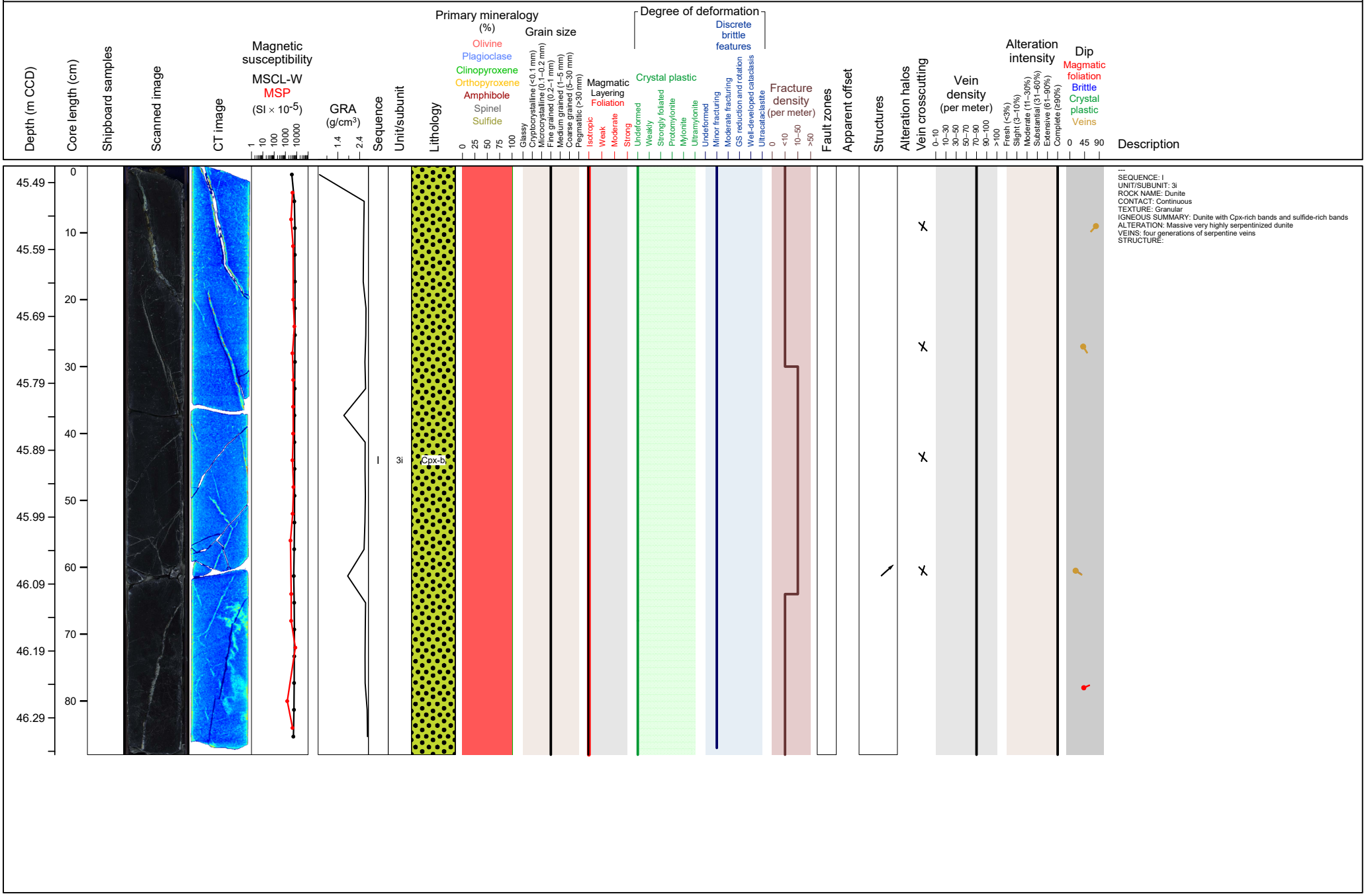
Hole CM2B-21Z Section 4, Top of Section 43.92 (m CCD)



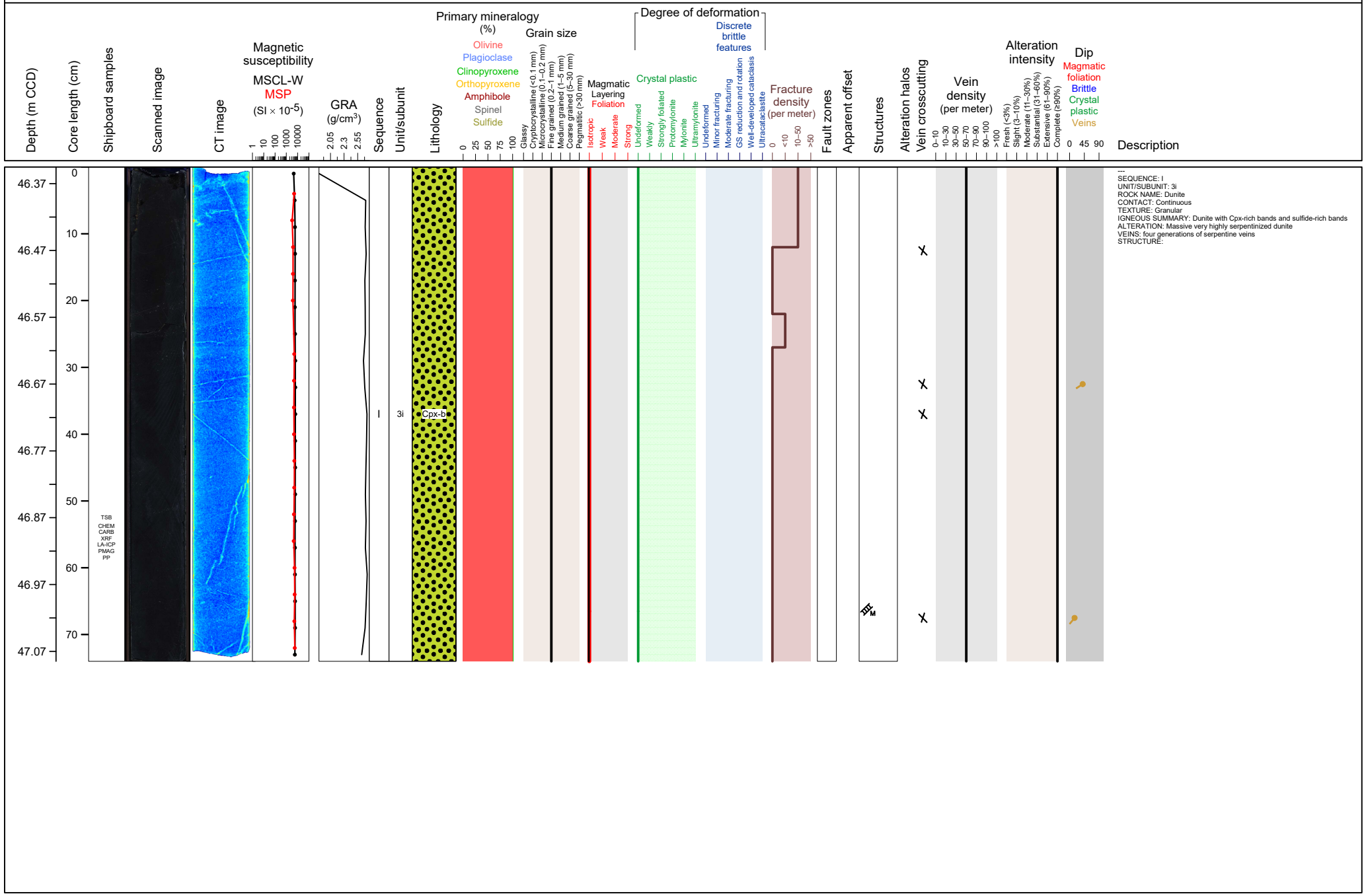
Hole CM2B-22Z Section 1, Top of Section 44.60 (m CCD)



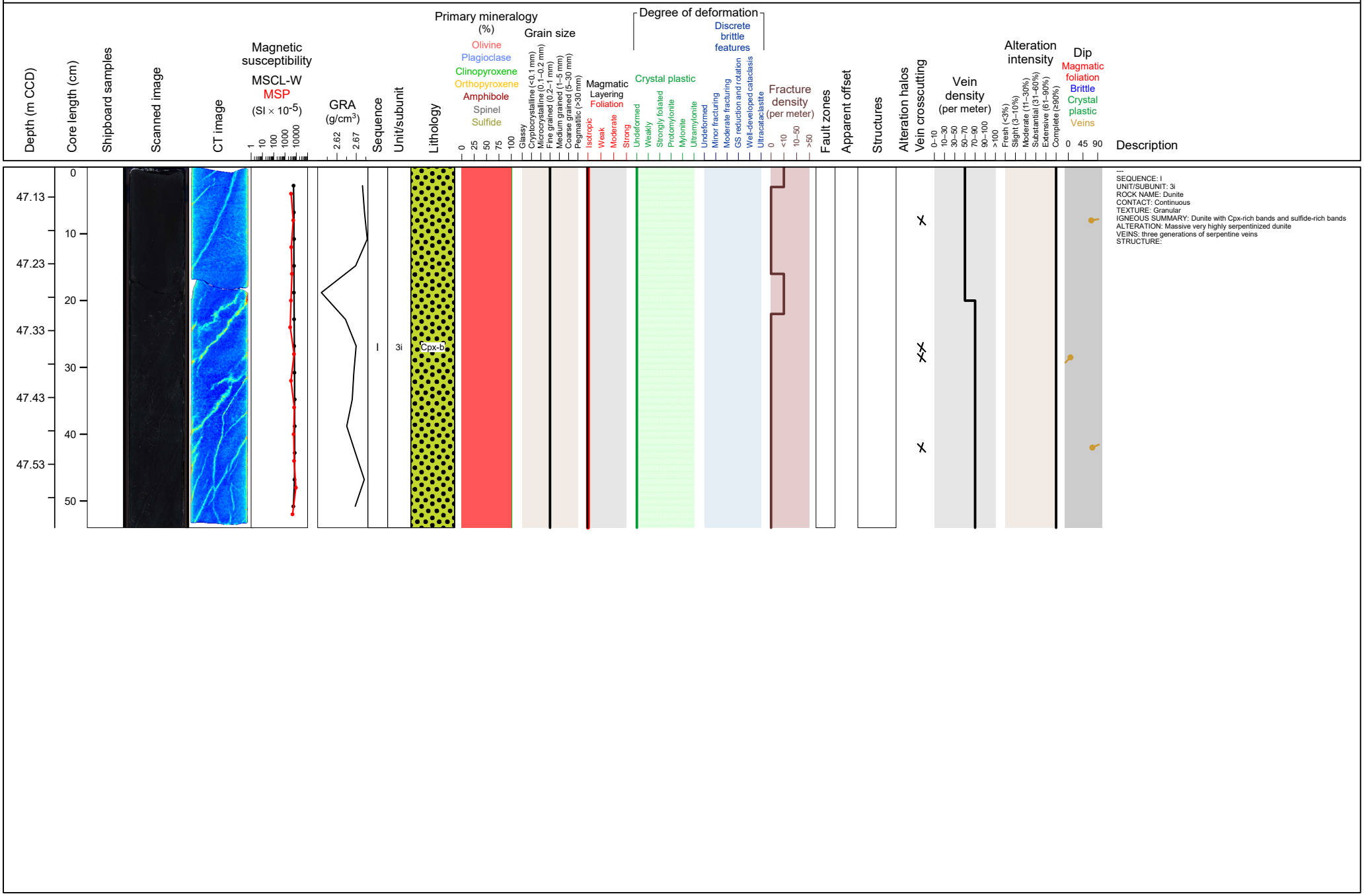
Hole CM2B-22Z Section 2, Top of Section 45.47 (m CCD)



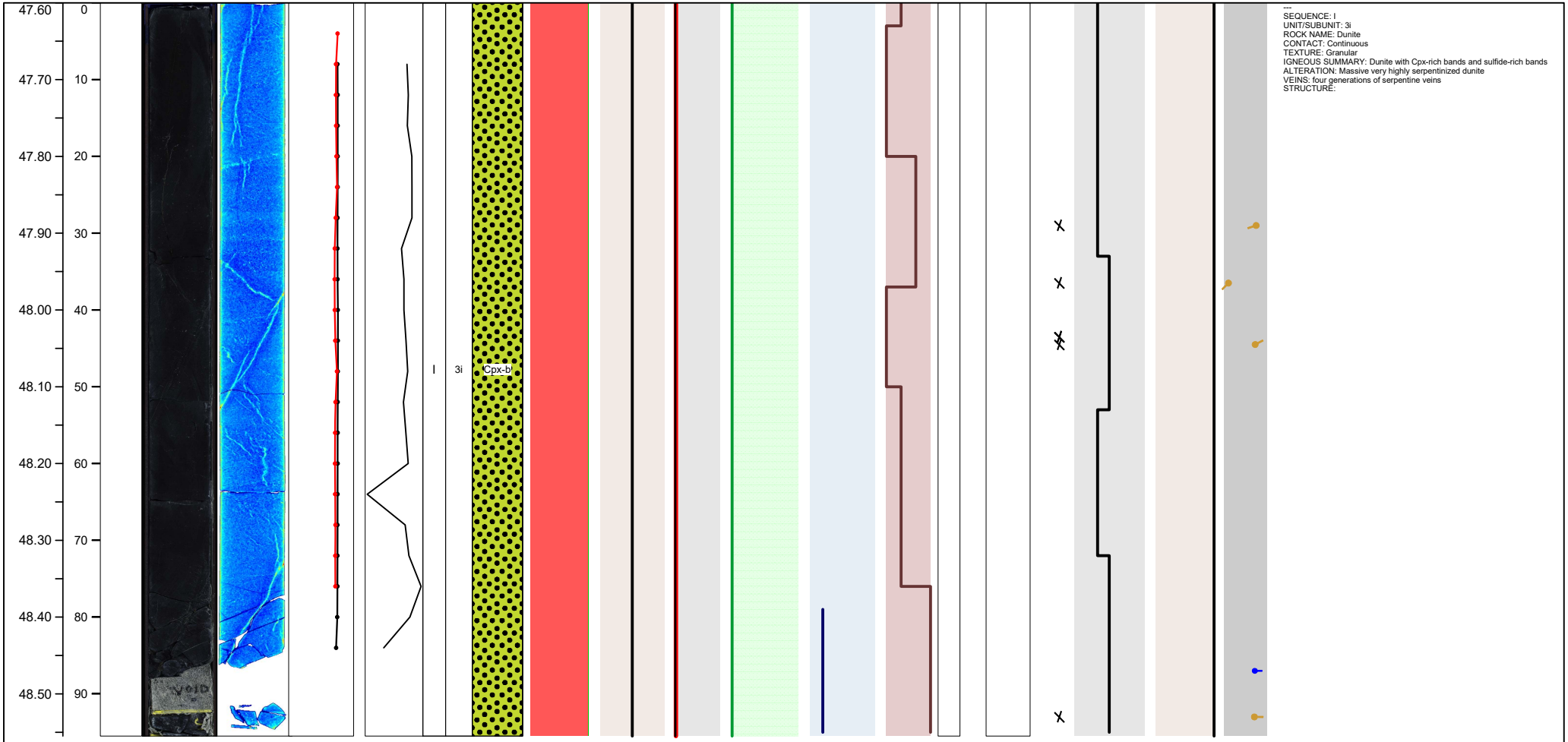
Hole CM2B-22Z Section 3, Top of Section 46.35 (m CCD)



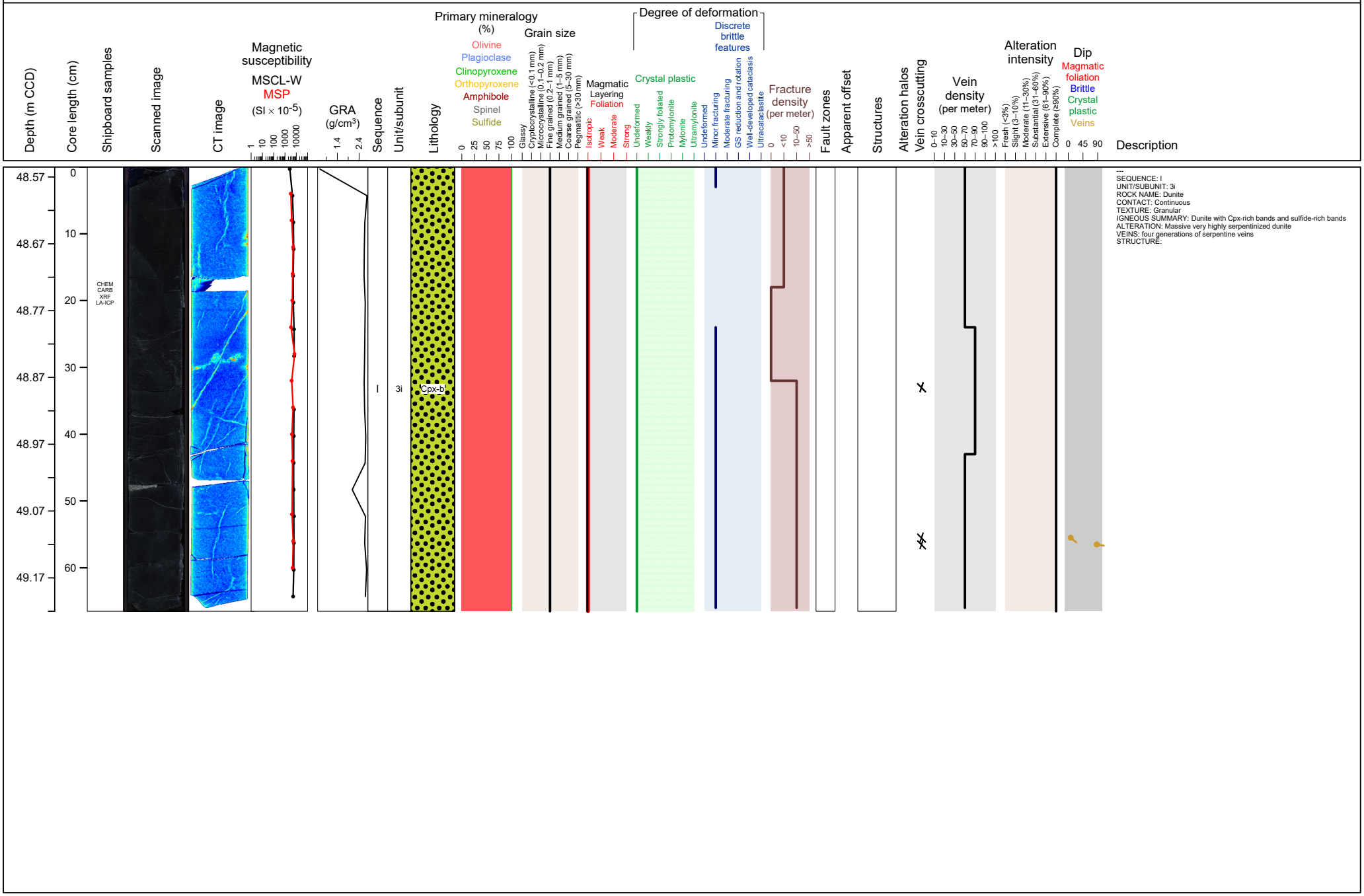
Hole CM2B-22Z Section 4, Top of Section 47.09 (m CCD)



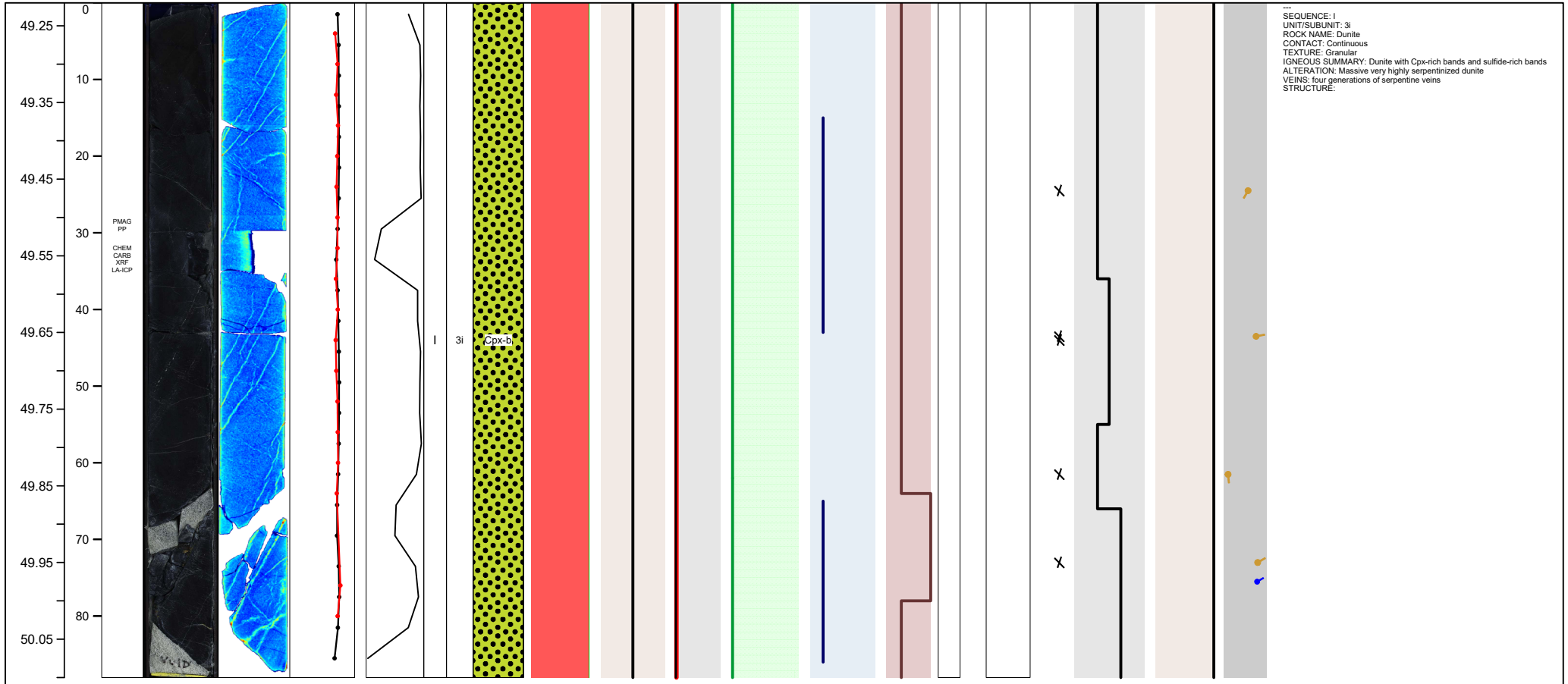
Hole CM2B-23Z Section 1, Top of Section 47.60 (m CCD)



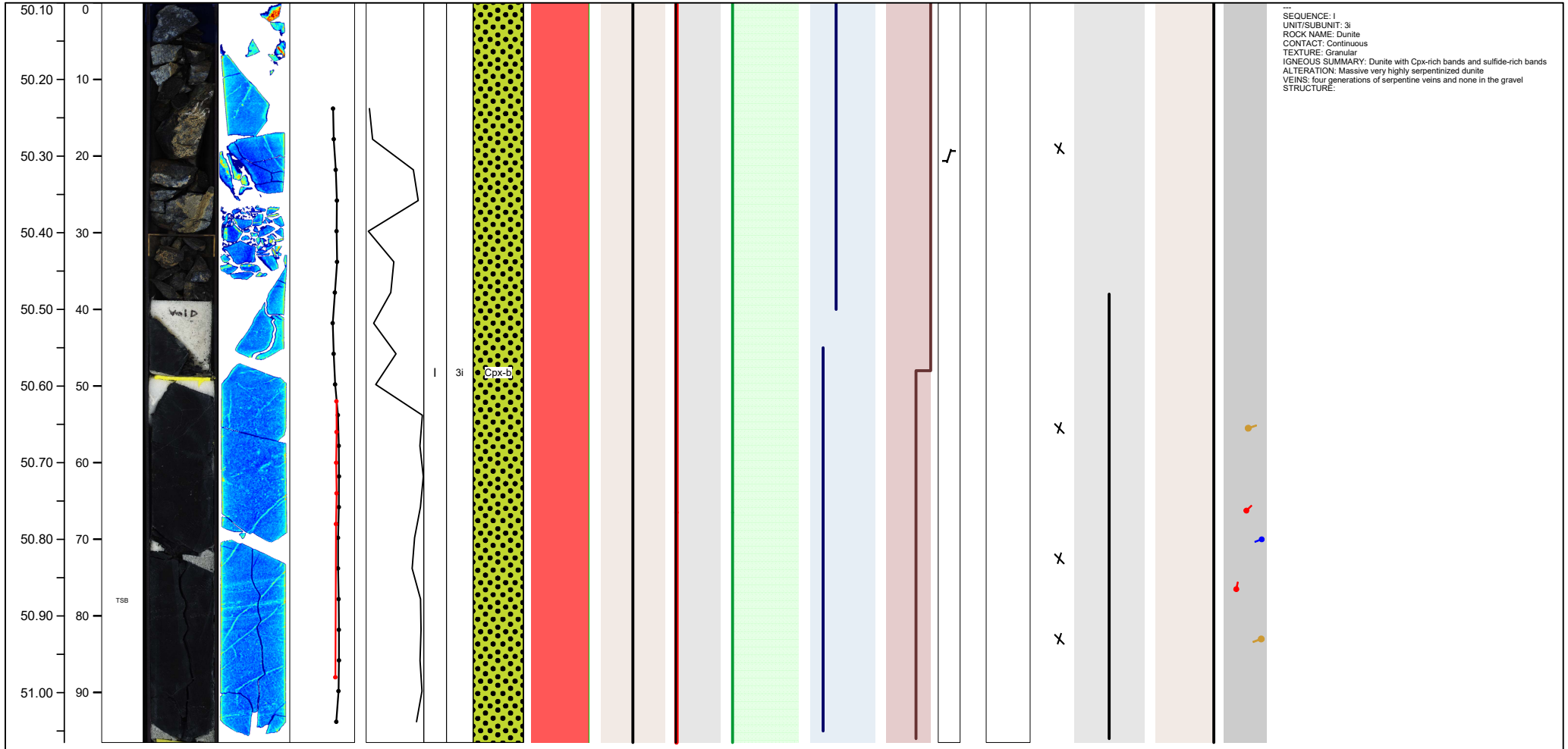
Hole CM2B-23Z Section 2, Top of Section 48.56 (m CCD)



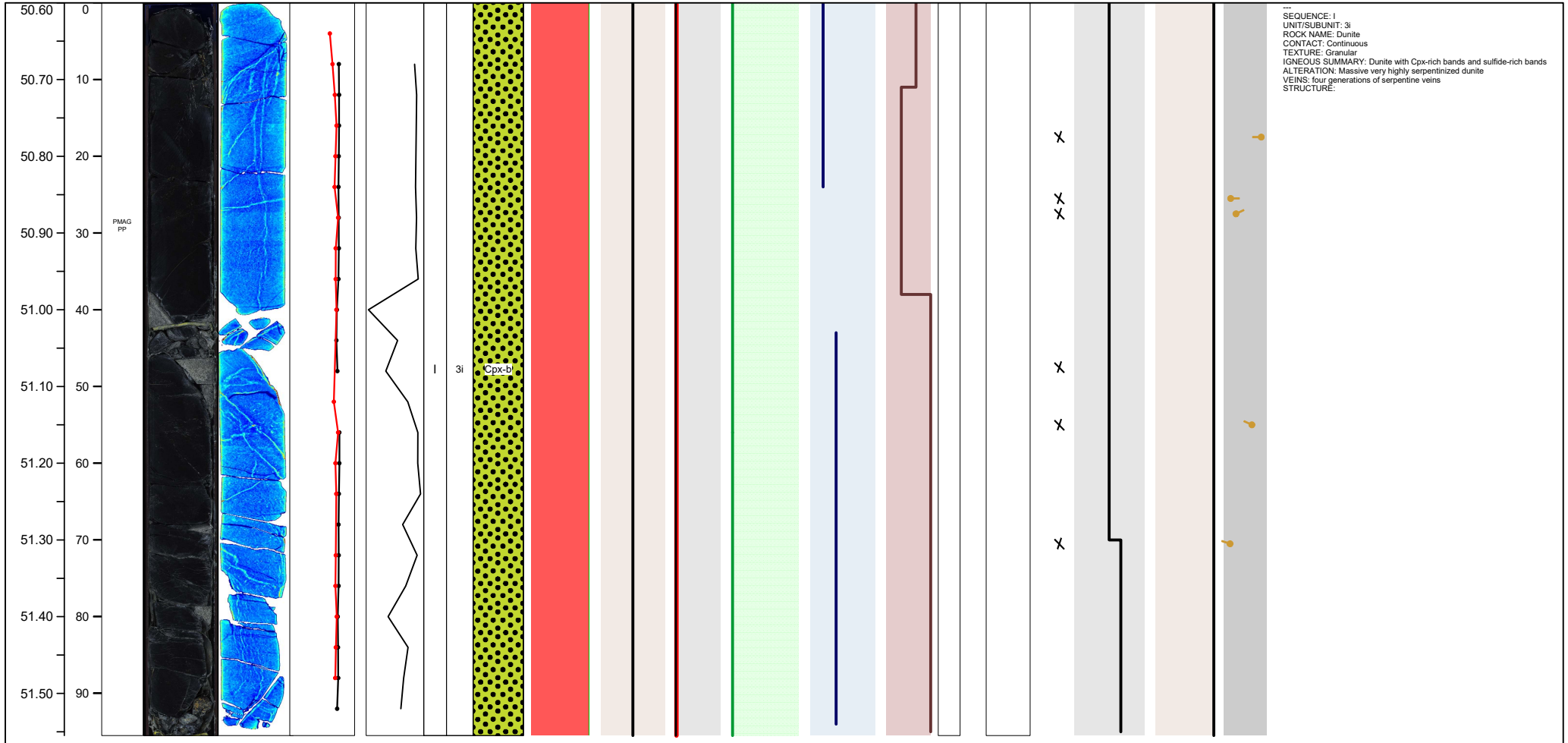
Hole CM2B-23Z Section 3, Top of Section 49.22 (m CCD)



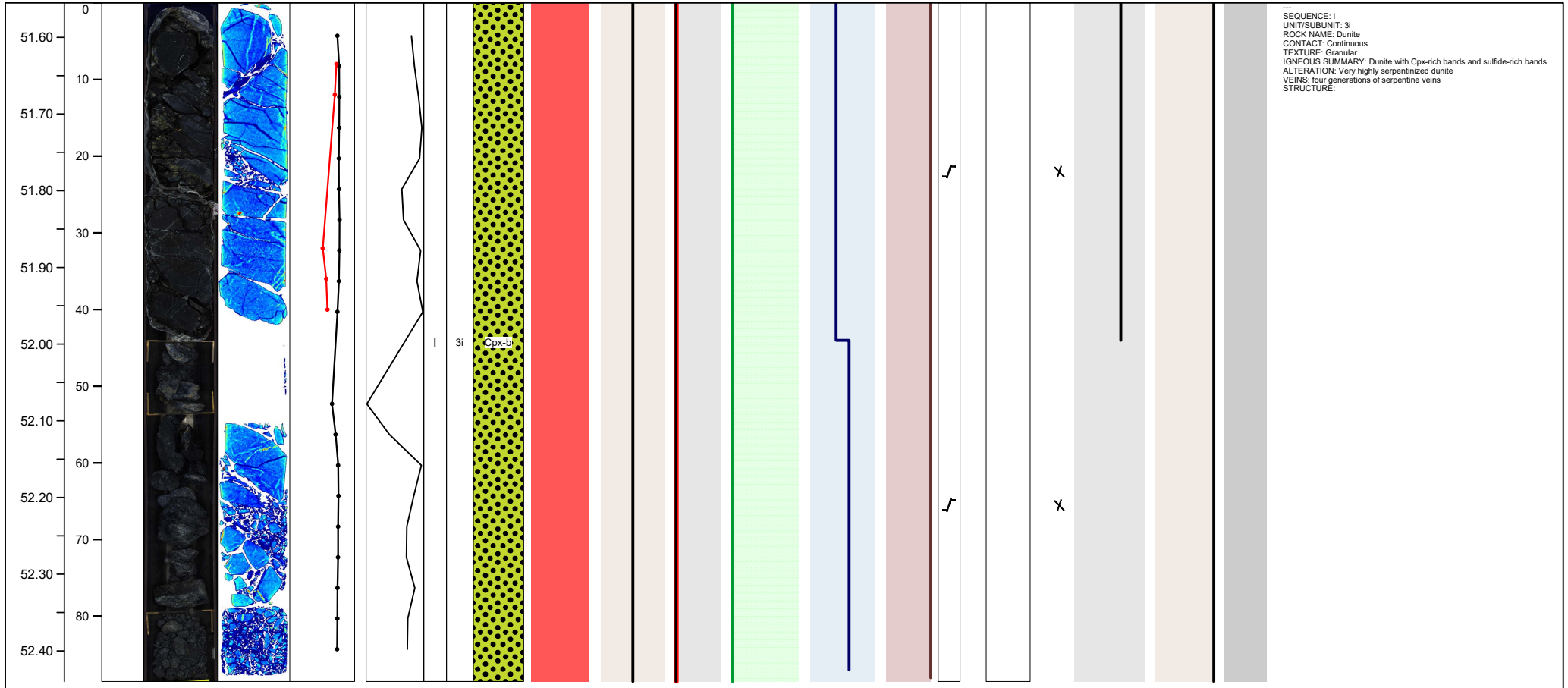
Hole CM2B-23Z Section 4, Top of Section 50.10 (m CCD)



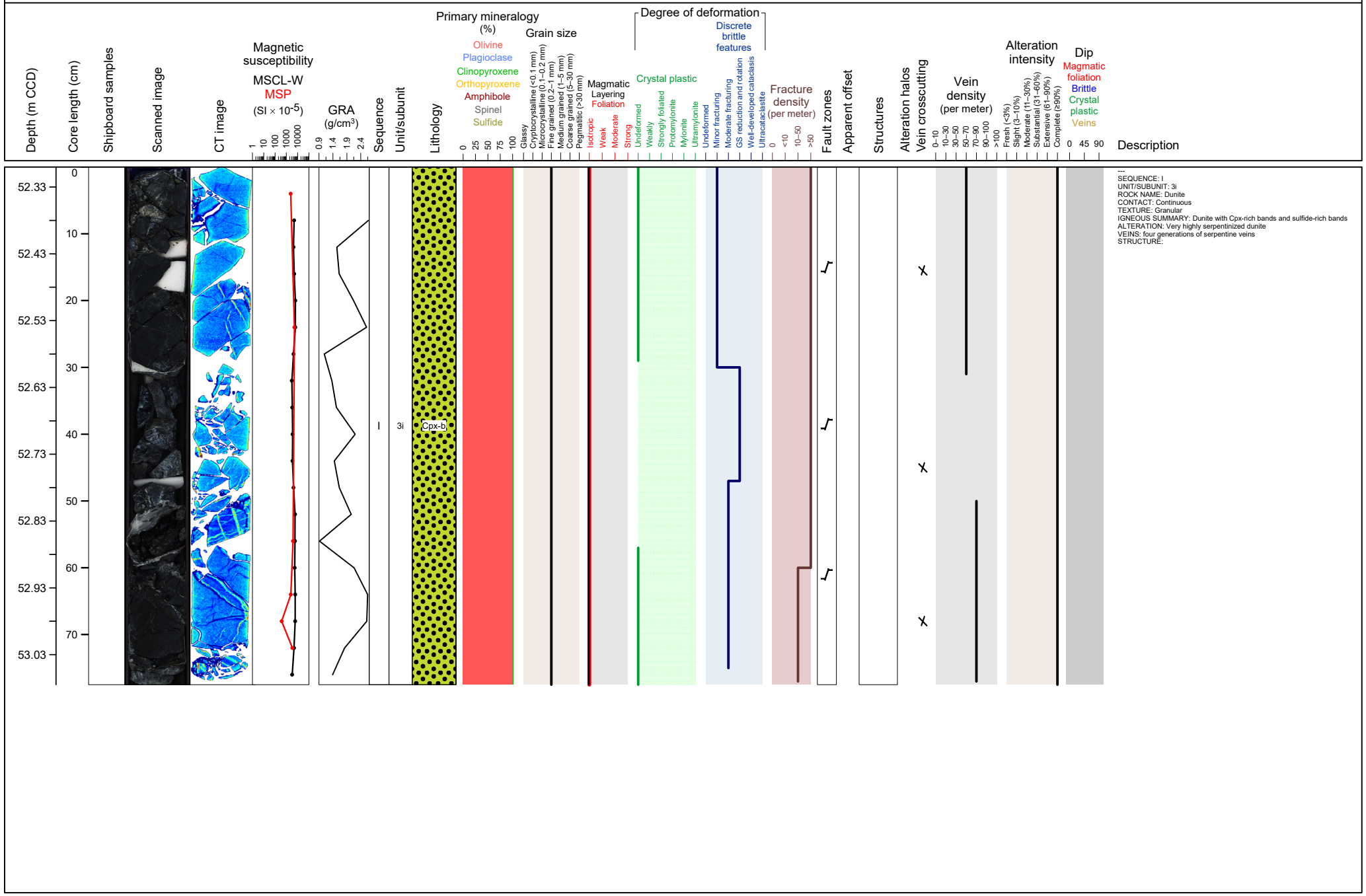
Hole CM2B-24Z Section 1, Top of Section 50.60 (m CCD)



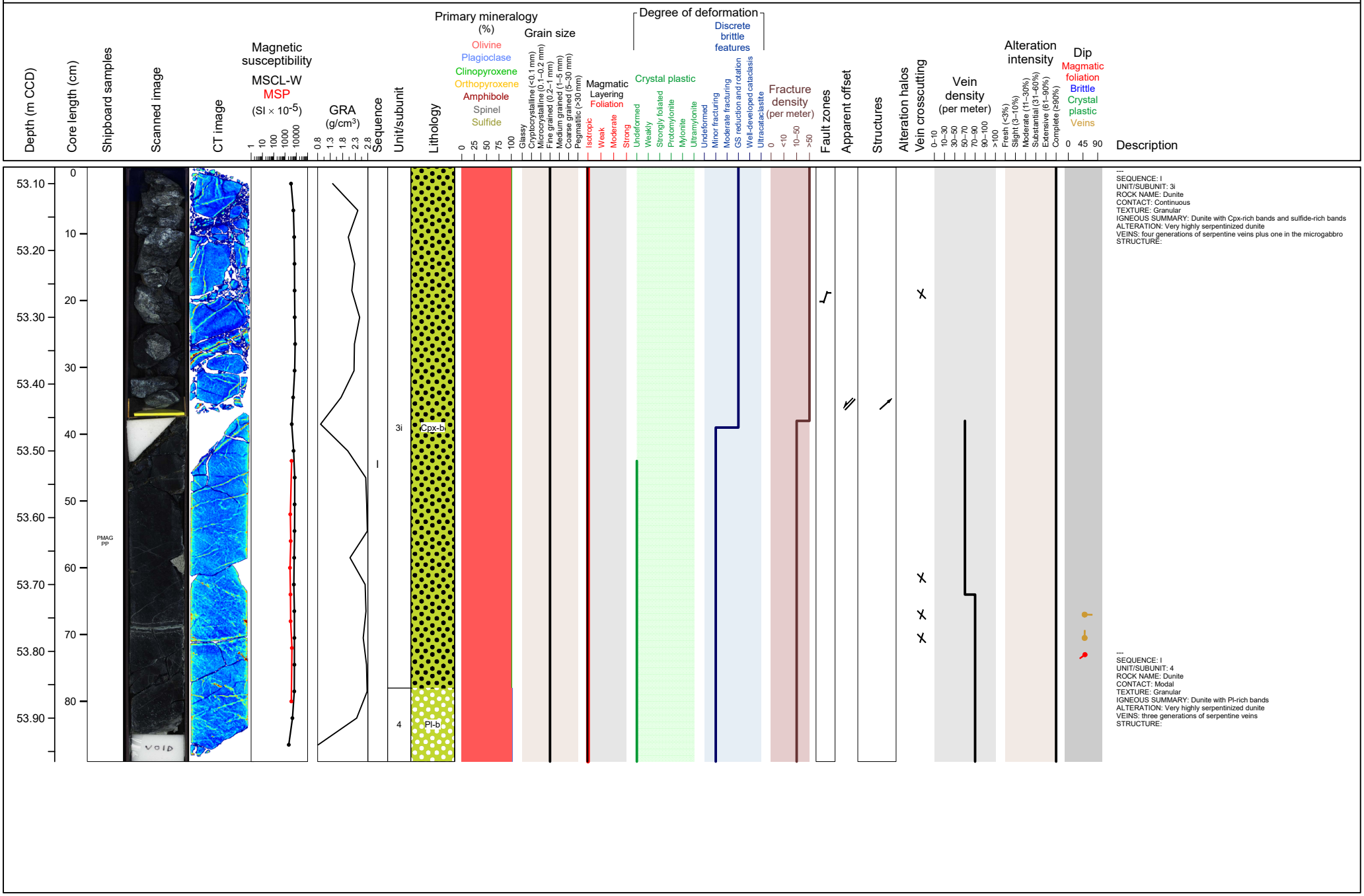
Hole CM2B-24Z Section 2, Top of Section 51.56 (m CCD)



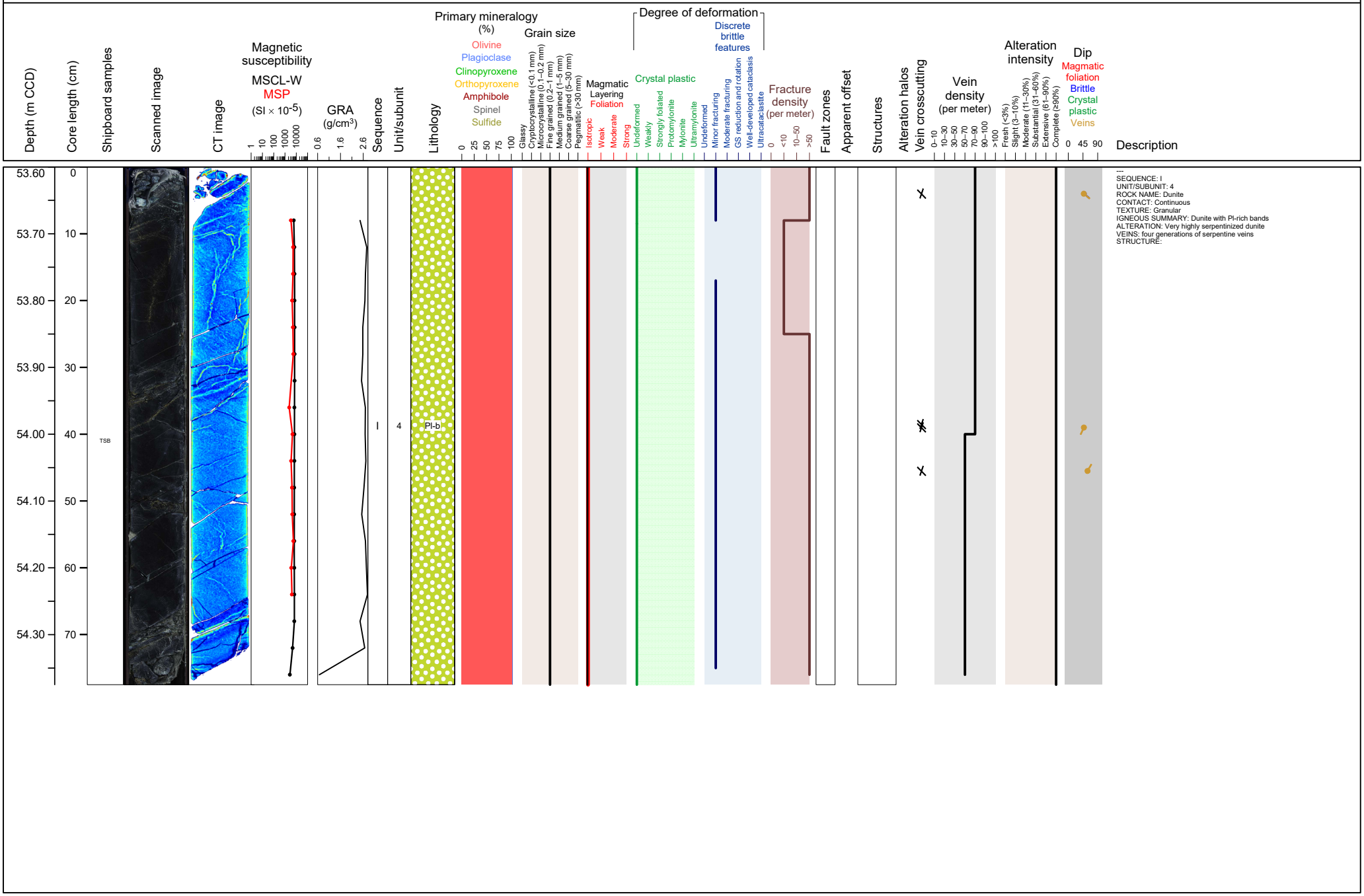
Hole CM2B-25Z Section 1, Top of Section 52.30 (m CCD)



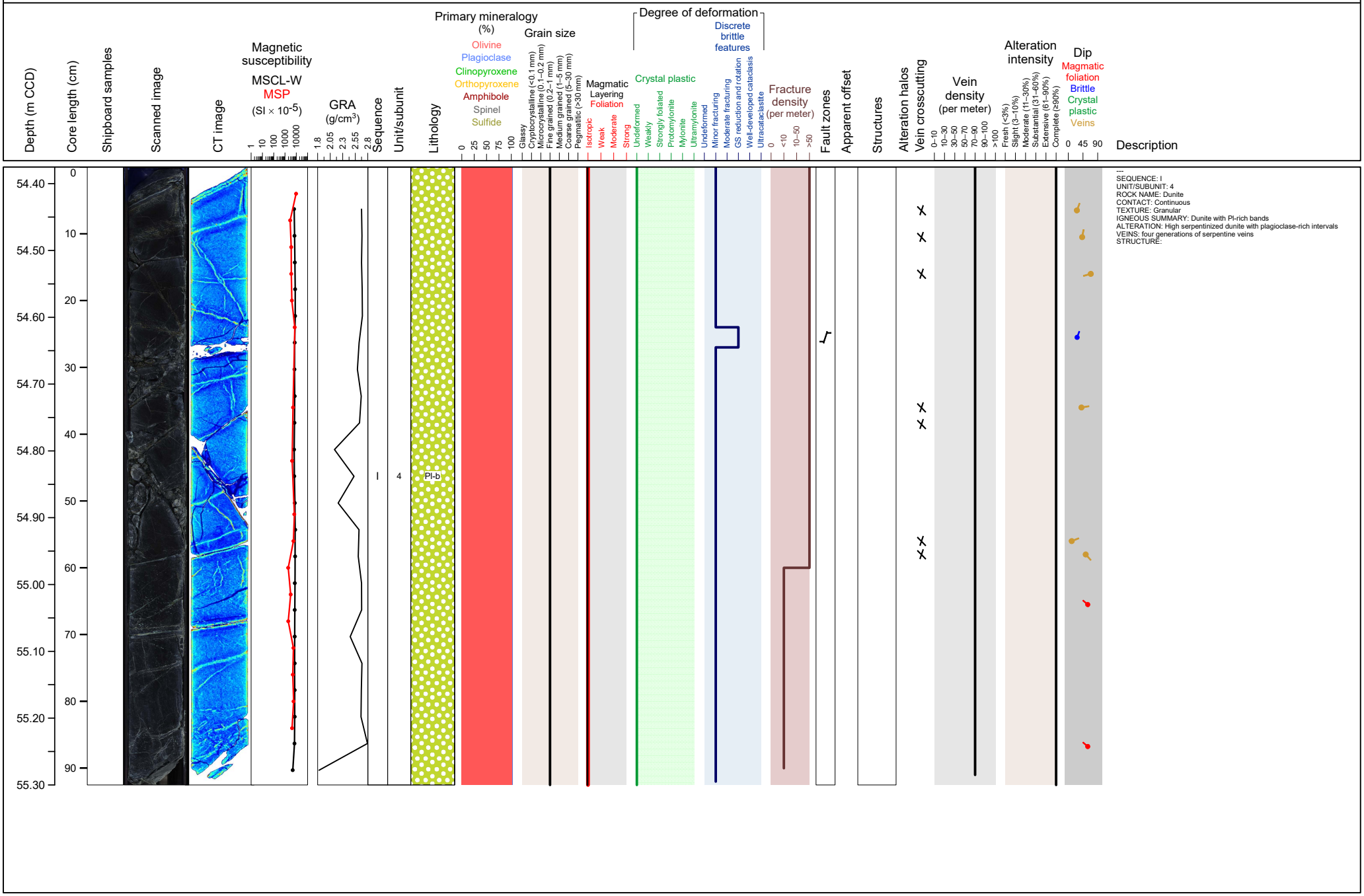
Hole CM2B-25Z Section 2, Top of Section 53.08 (m CCD)



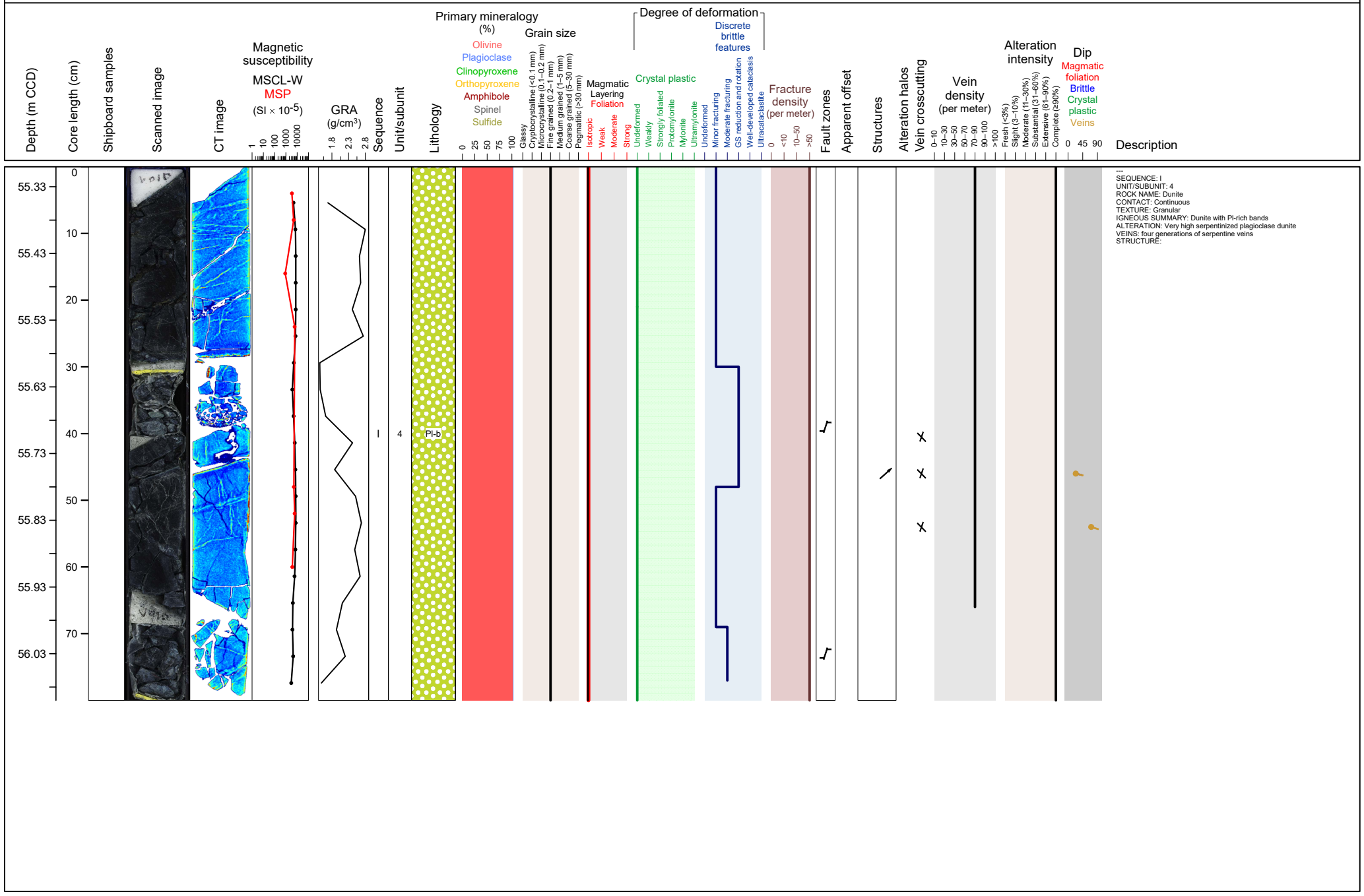
Hole CM2B-26Z Section 1, Top of Section 53.60 (m CCD)

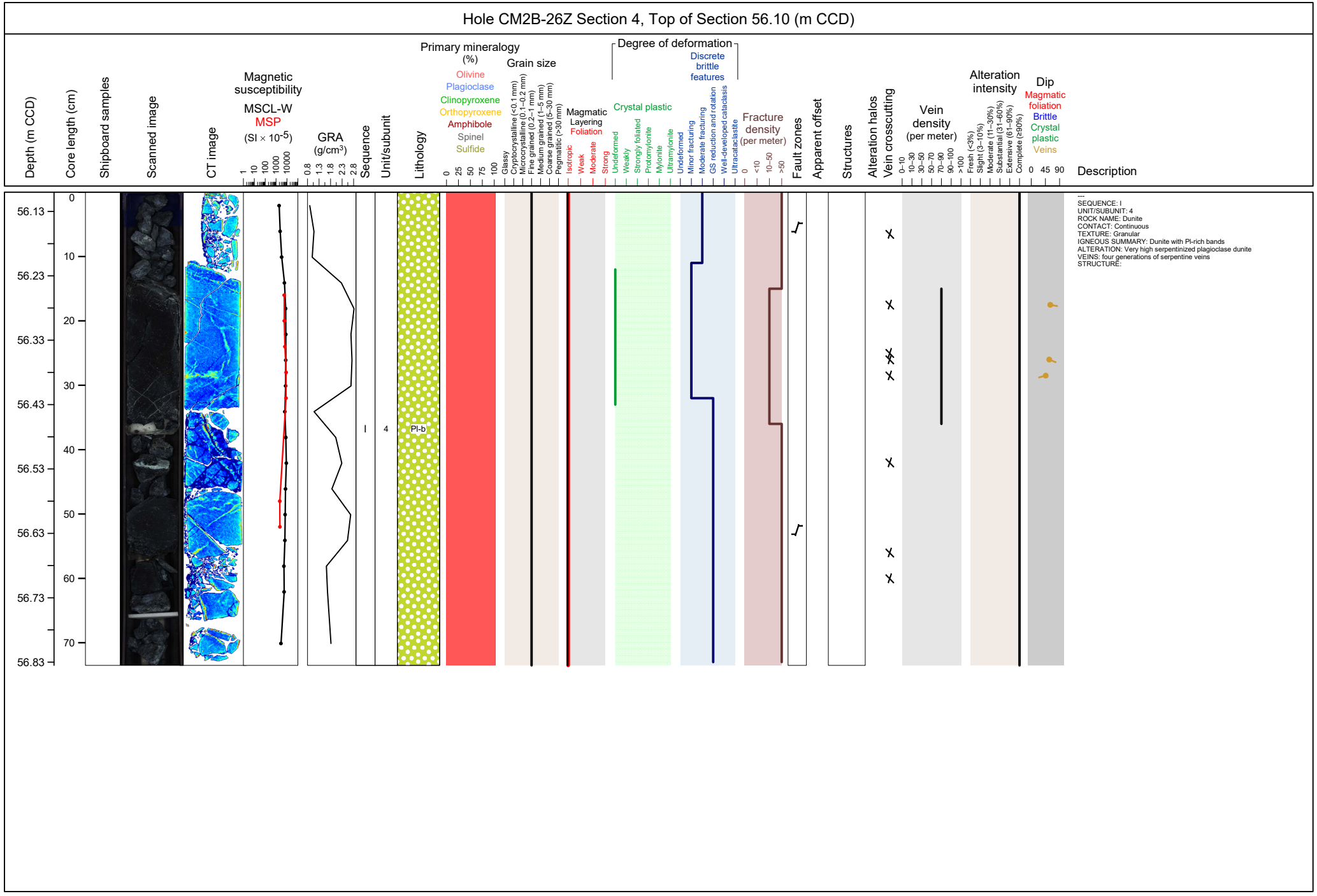


Hole CM2B-26Z Section 2, Top of Section 54.38 (m CCD)



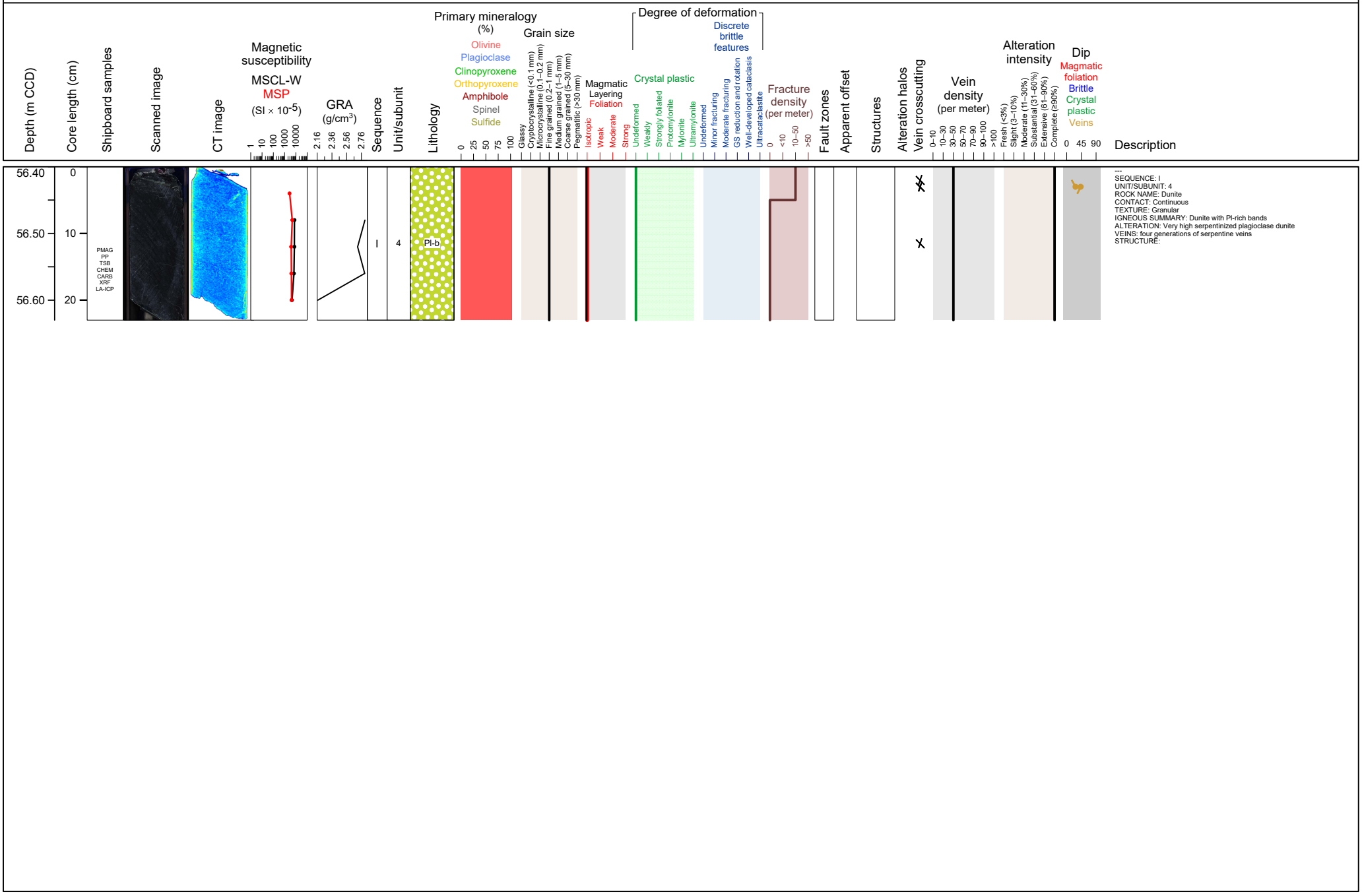
Hole CM2B-26Z Section 3, Top of Section 55.30 (m CCD)



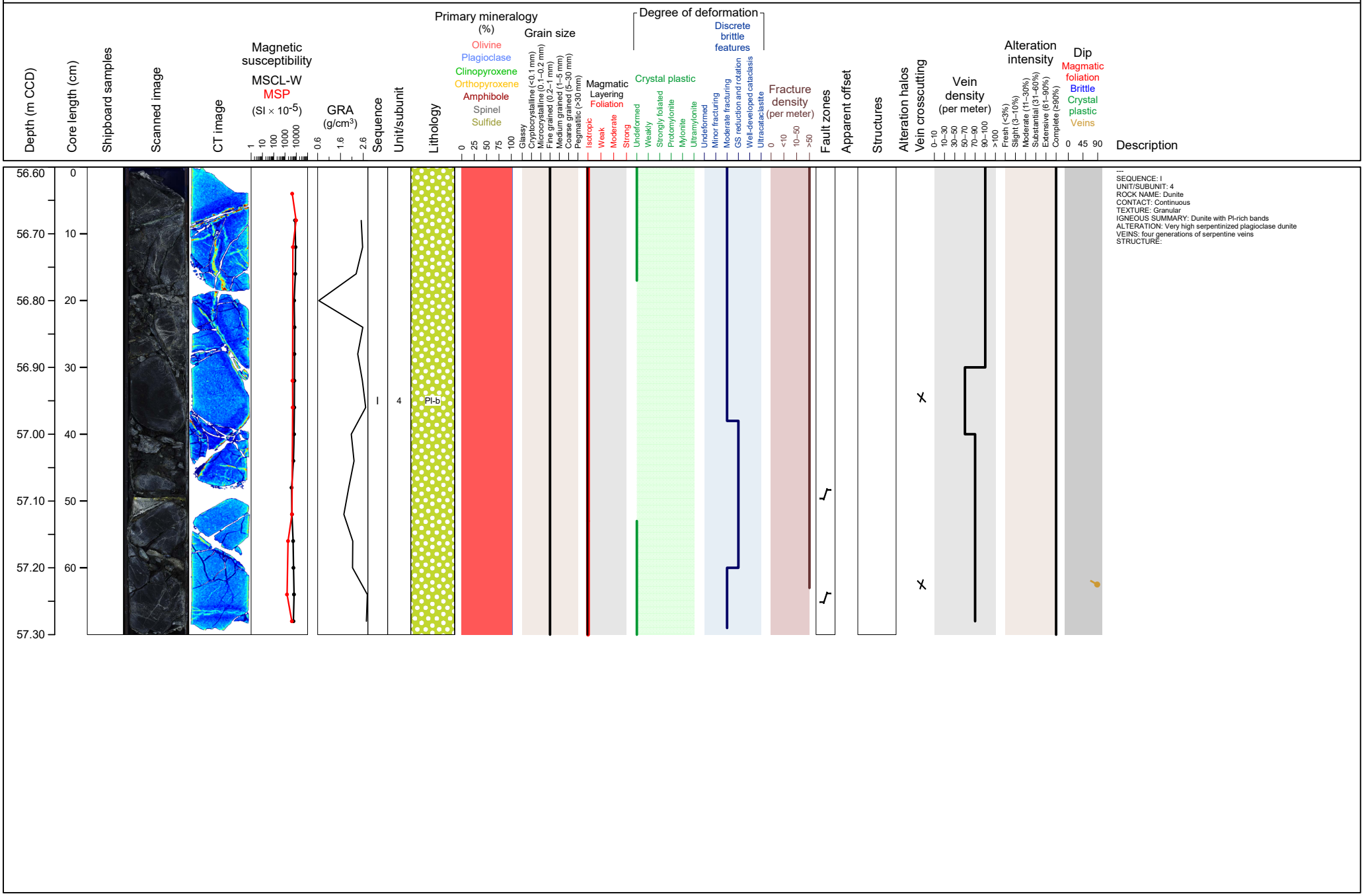

Hole CM2B-26Z Section 4, Top of Section 56.10 (m CCD)
Depth (m CCD)
Core length (cm)
Shipboard samples
Scanned image
CT image
Magnetic susceptibility
MSCL-W
MSP
(SI × 10-5)
GRA
(g/cm3)
Sequence
Unit/subunit
Lithology
Primary mineralogy
(%)
Olivine
Plagioclase
Clinopyroxene
Orthopyroxene
Amphibole
Spinel
Sulfide
Grain size
Glassy
Cryptocrystalline (<0.1 mm)
Microcrystalline (0.1–0.2 mm)
Fine grained (0.2–1 mm)
Medium grained (1–5 mm)
Coarse grained (5–30 mm)
Pegmatitic (>30 mm)
Magmatic Layering Foliation
Isotropic
Weak
Moderate
Strong
Degree of deformation
Crystal plastic
Undeformed
Weakly
Strongly foliated
Protomylonite
Mylonite
Ultramylonite
Undeformed
Minor fracturing
Moderate fracturing
GS reduction and rotation
Well-developed cataclasis
Ultracataclasite
Discrete brittle features
Fracture density
(per meter)
0
<10
10–50
>50
Fault zones
Apparent offset
Structures
Alteration halos
Vein crosscutting
Vein density
(per meter)
0–10
10–30
30–50
50–70
70–90
90–100
>100
Alteration intensity
Fresh (<3%)
Slight (3–10%)
Moderate (11–30%)
Substantial (31–60%)
Extensive (61–90%)
Complete (≥90%)
Dip
Magmatic foliation
Brittle
Crystal plastic
Veins
0 45 90
Description
56.13
56.23
56.33
56.43
56.53
56.63
56.73
56.83
I
4
Pl-b

SEQUENCE: I
UNIT/SUBUNIT: 4
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Dunite with Pl-rich bands
ALTERATION: Very high serpentinized plagioclase dunite
VEINS: four generations of serpentine veins
STRUCTURE:

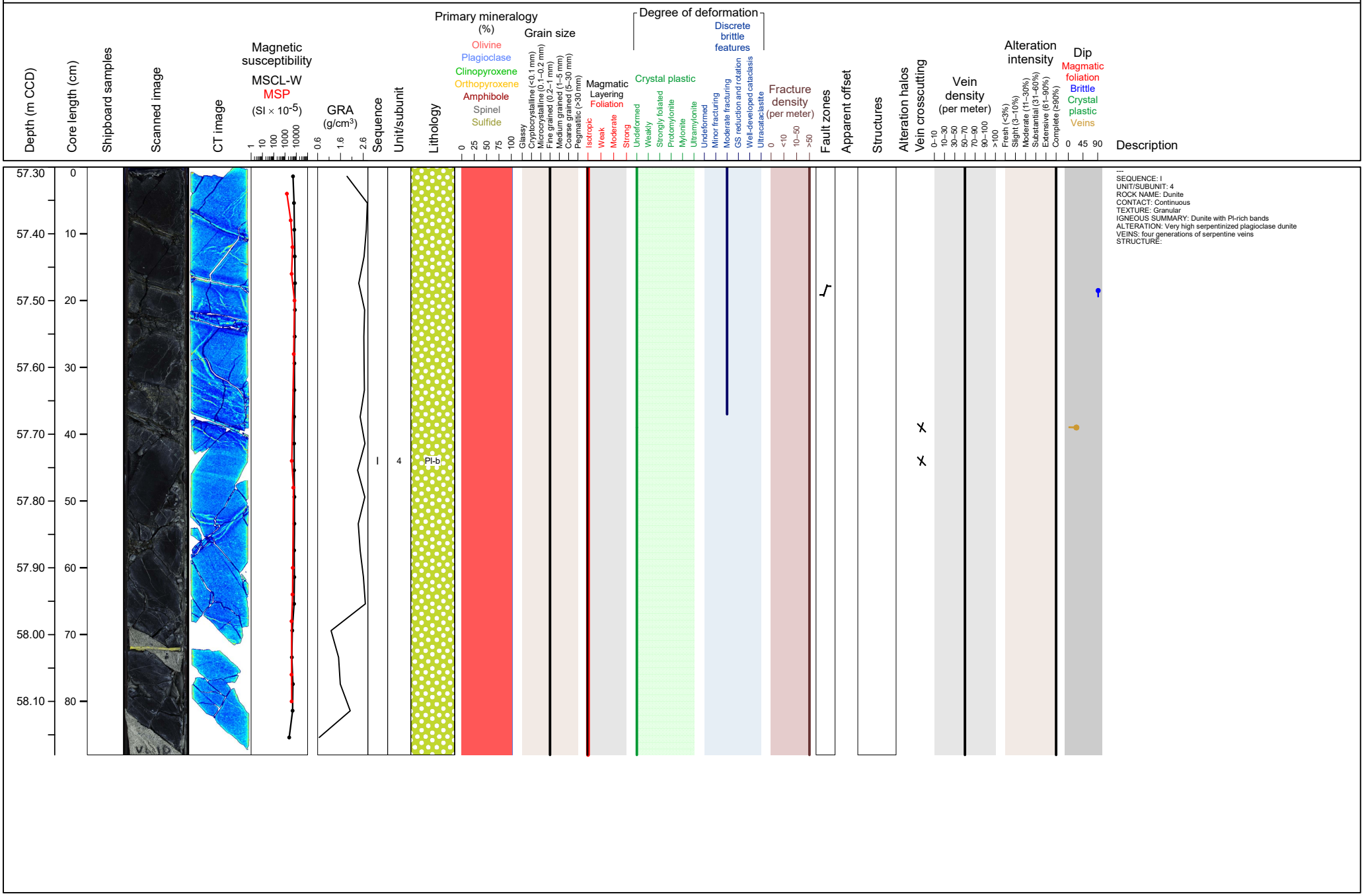
Hole CM2B-27Z Section 1, Top of Section 56.40 (m CCD)



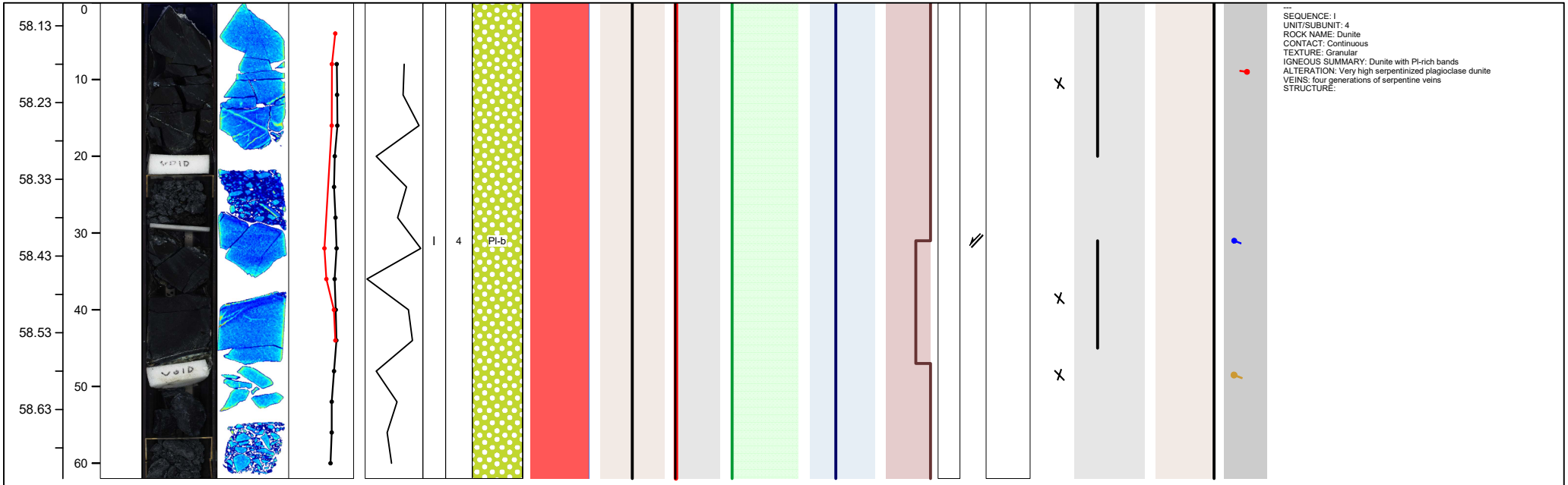
Hole CM2B-28Z Section 1, Top of Section 56.60 (m CCD)



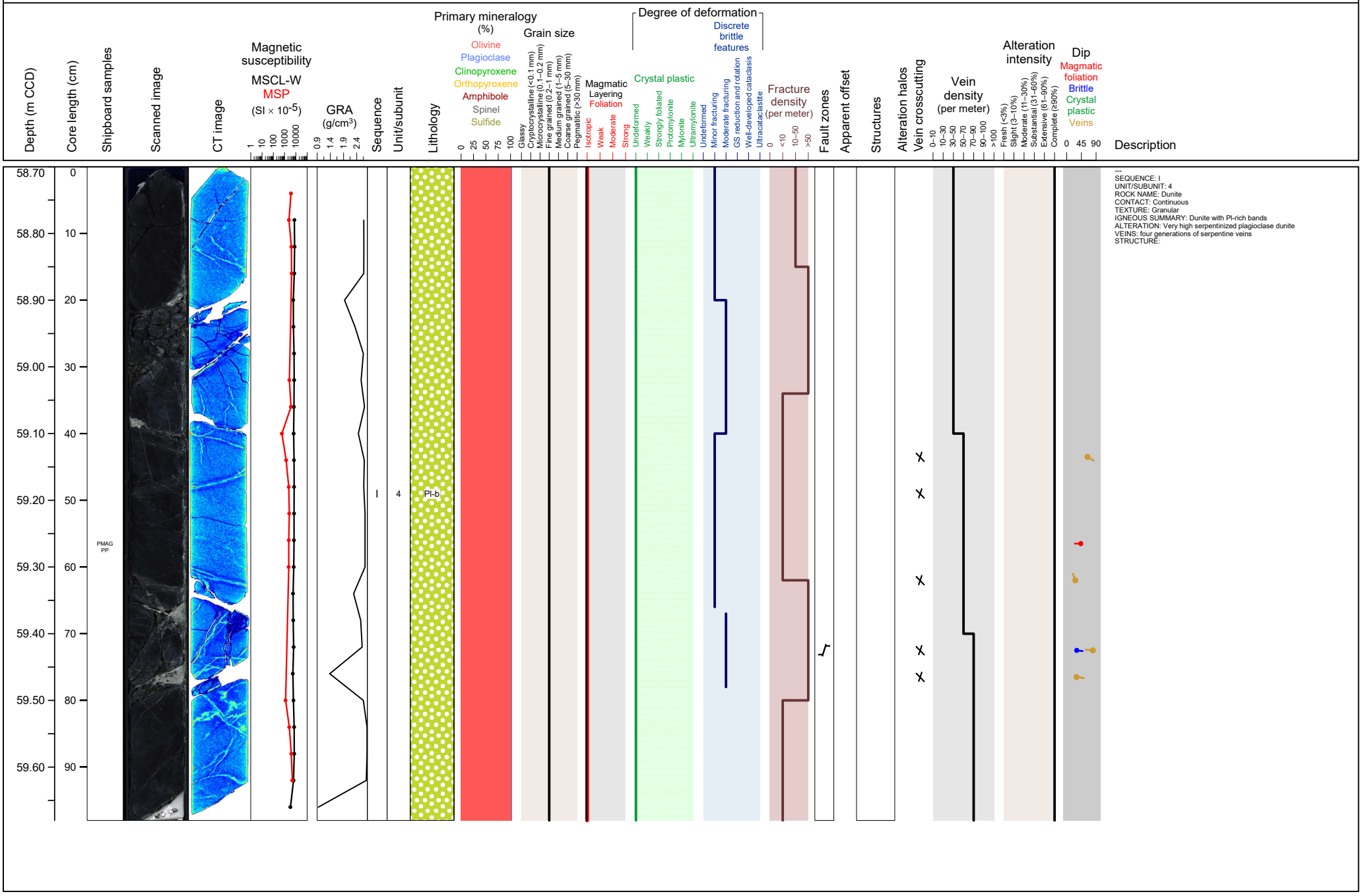
Hole CM2B-28Z Section 2, Top of Section 57.30 (m CCD)



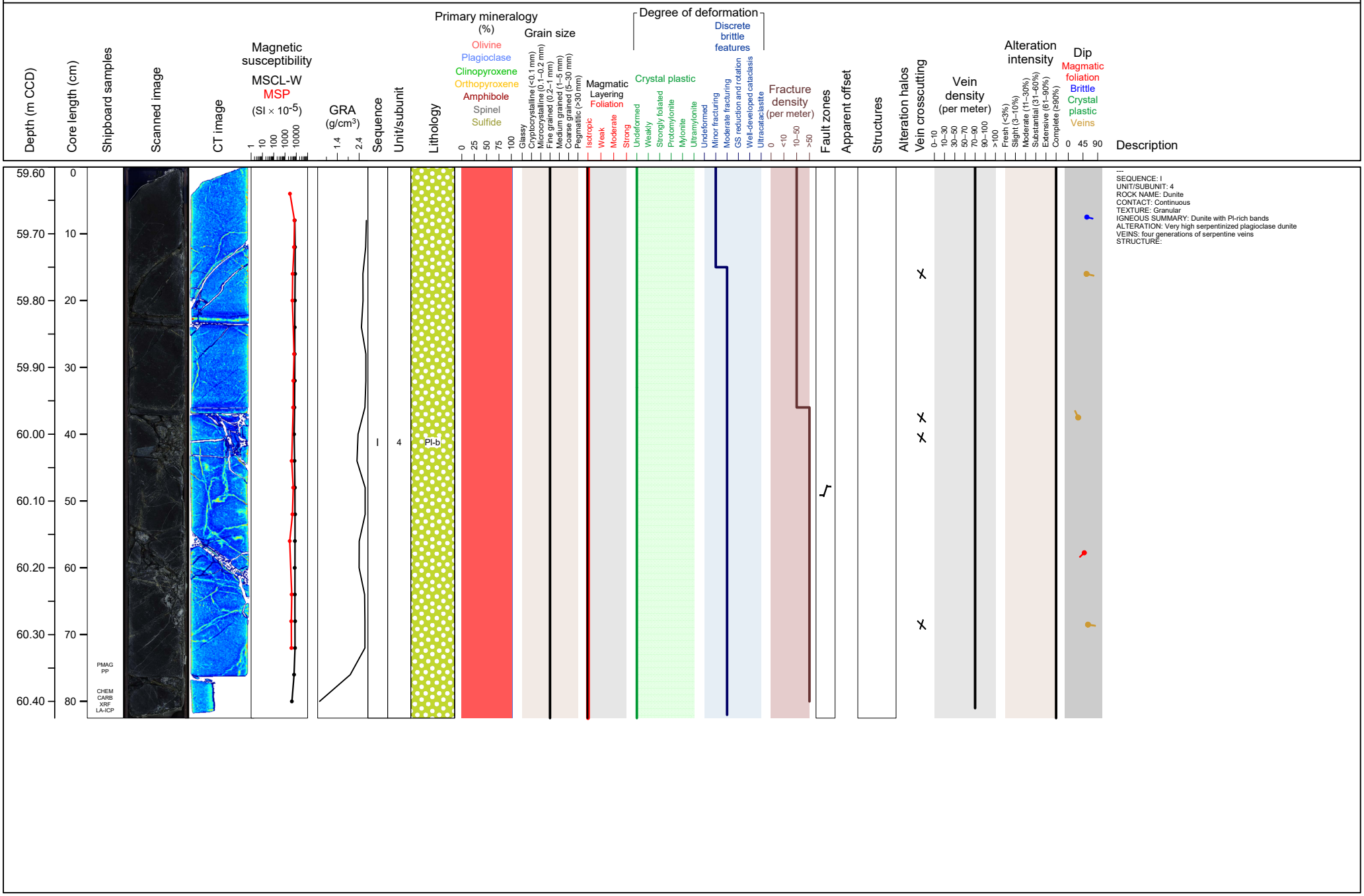
Hole CM2B-29Z Section 1, Top of Section 58.10 (m CCD)



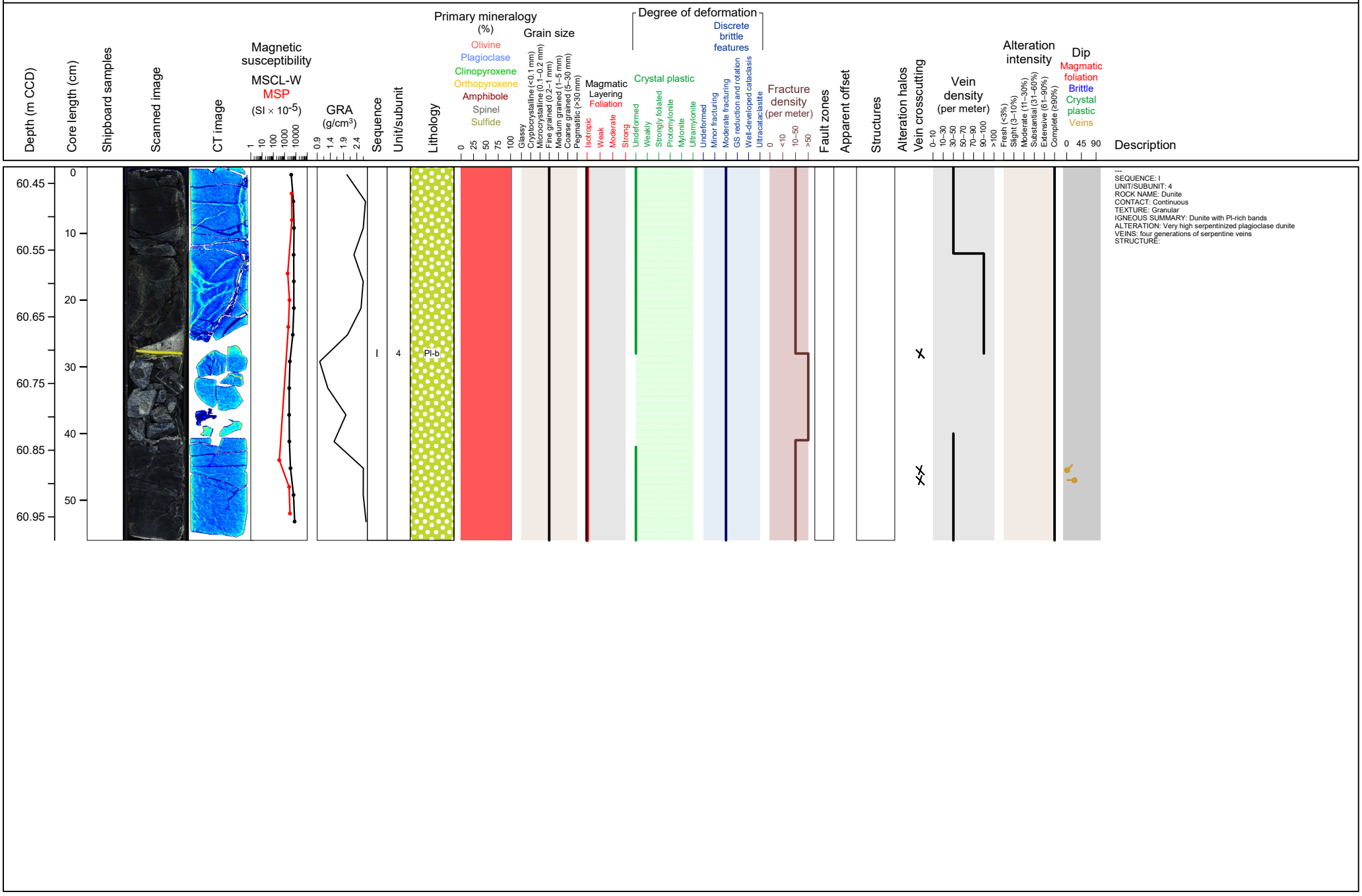
Hole CM2B-30Z Section 1, Top of Section 58.70 (m CCD)



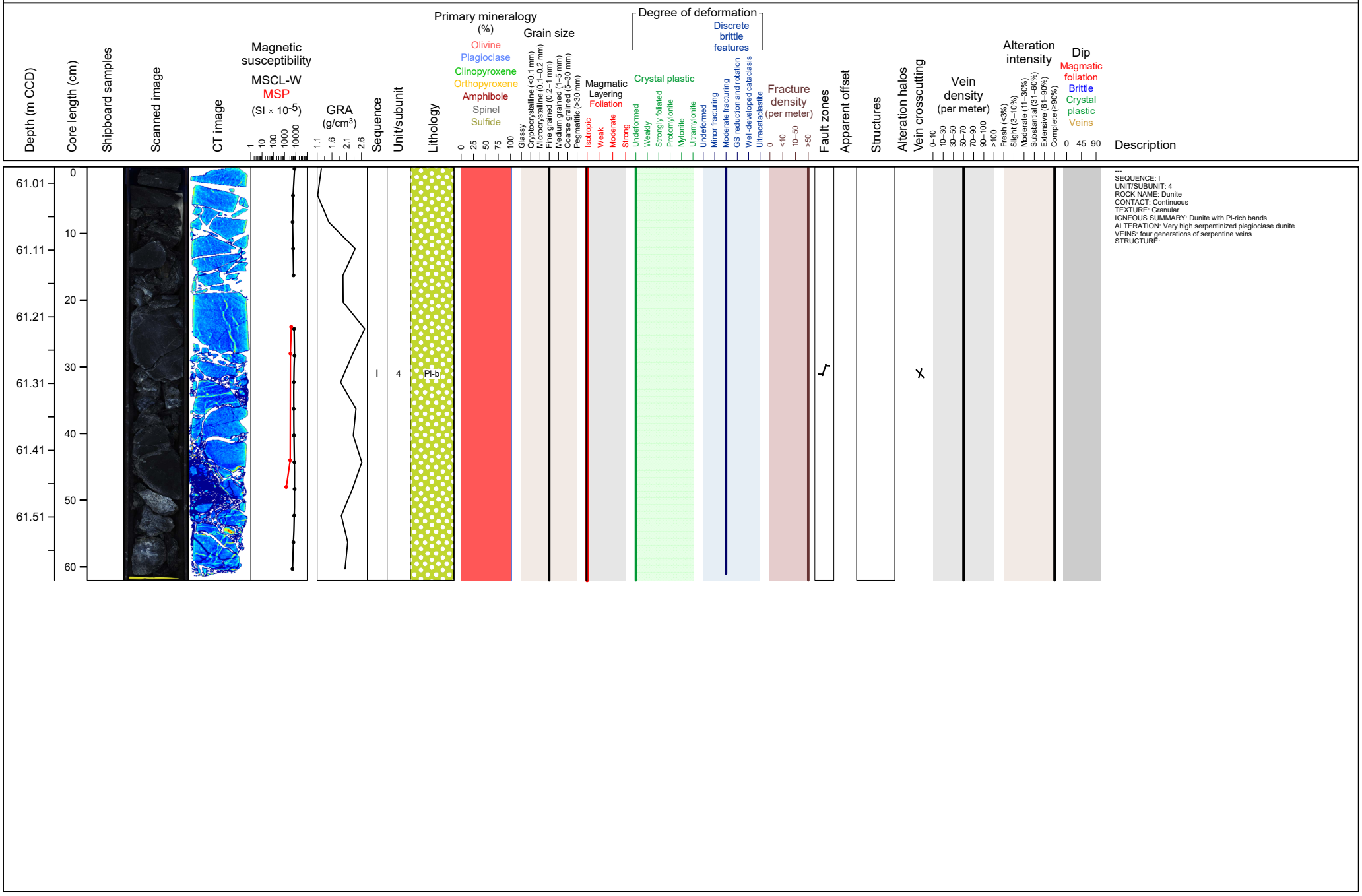
Hole CM2B-31Z Section 1, Top of Section 59.60 (m CCD)



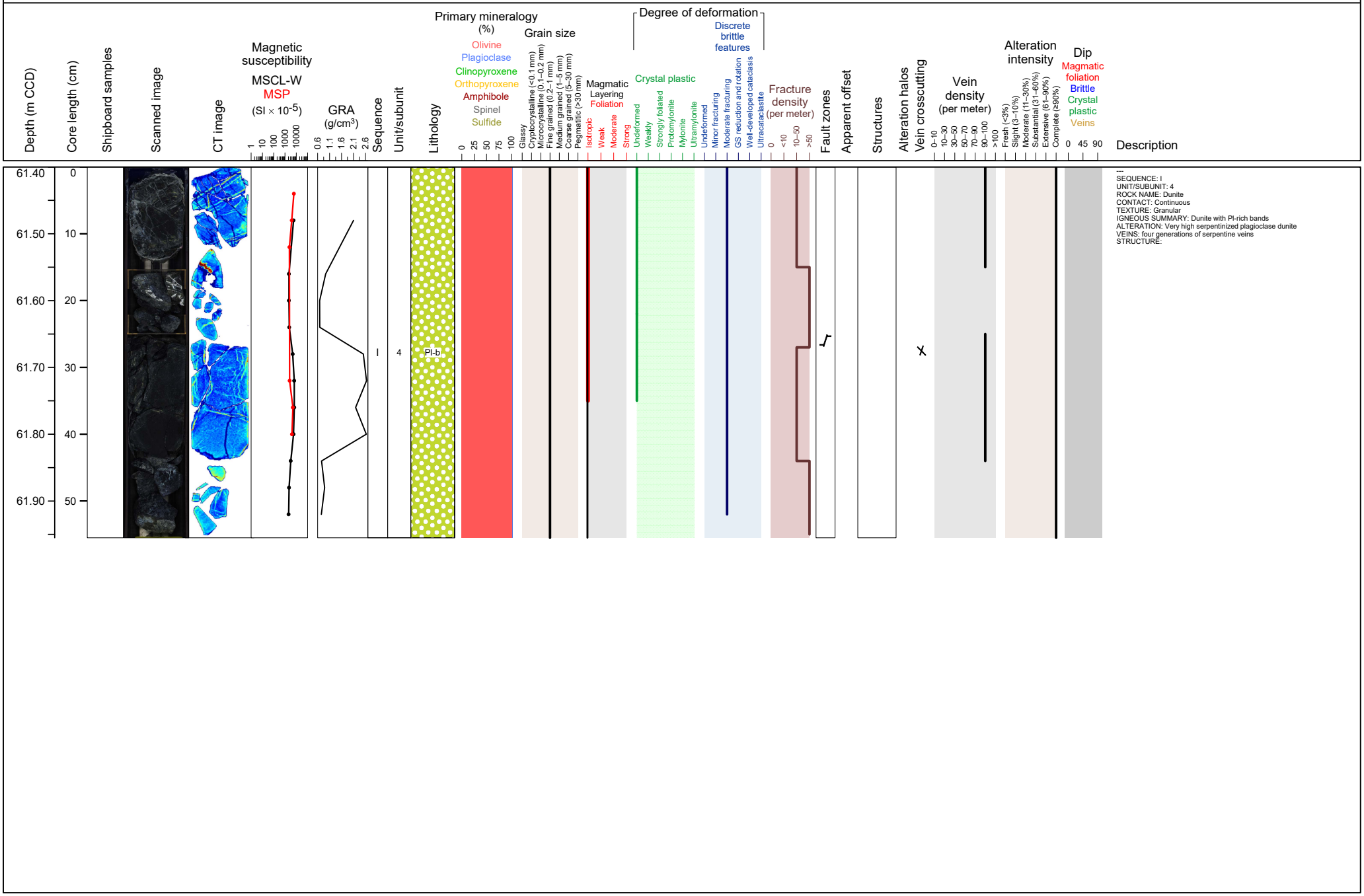
Hole CM2B-31Z Section 2, Top of Section 60.43 (m CCD)



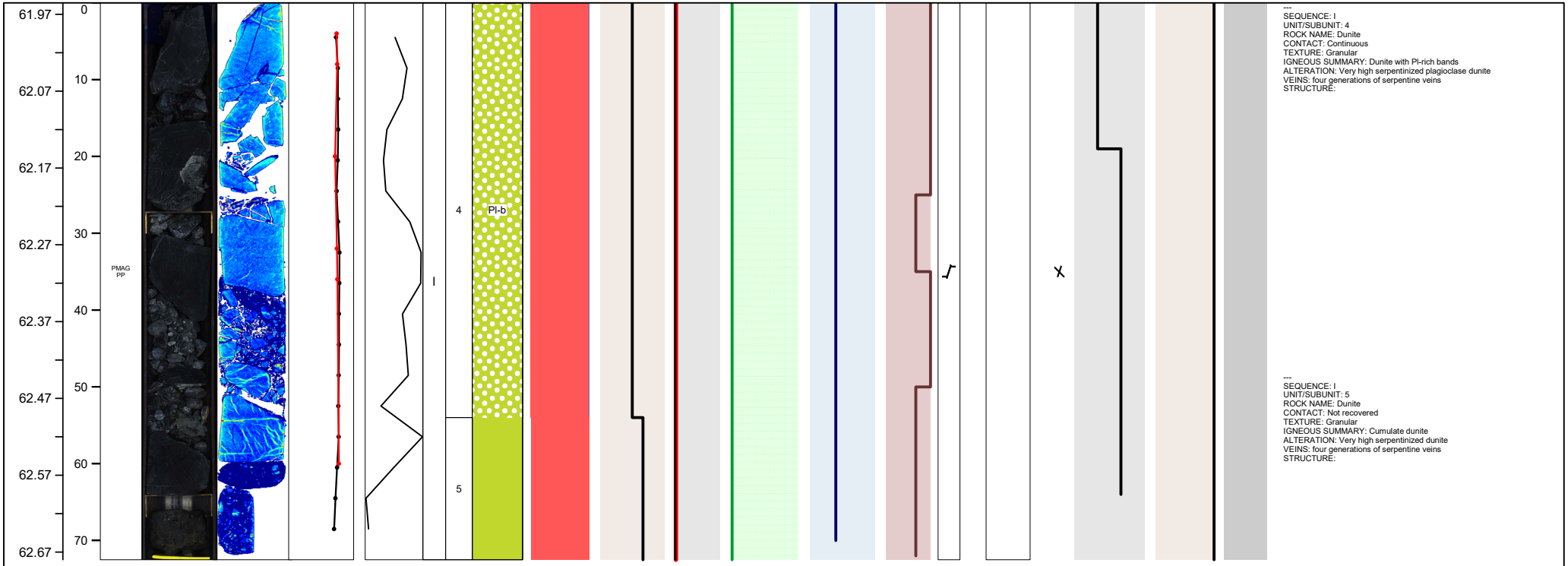
Hole CM2B-31Z Section 3, Top of Section 60.99 (m CCD)



Hole CM2B-32Z Section 1, Top of Section 61.40 (m CCD)



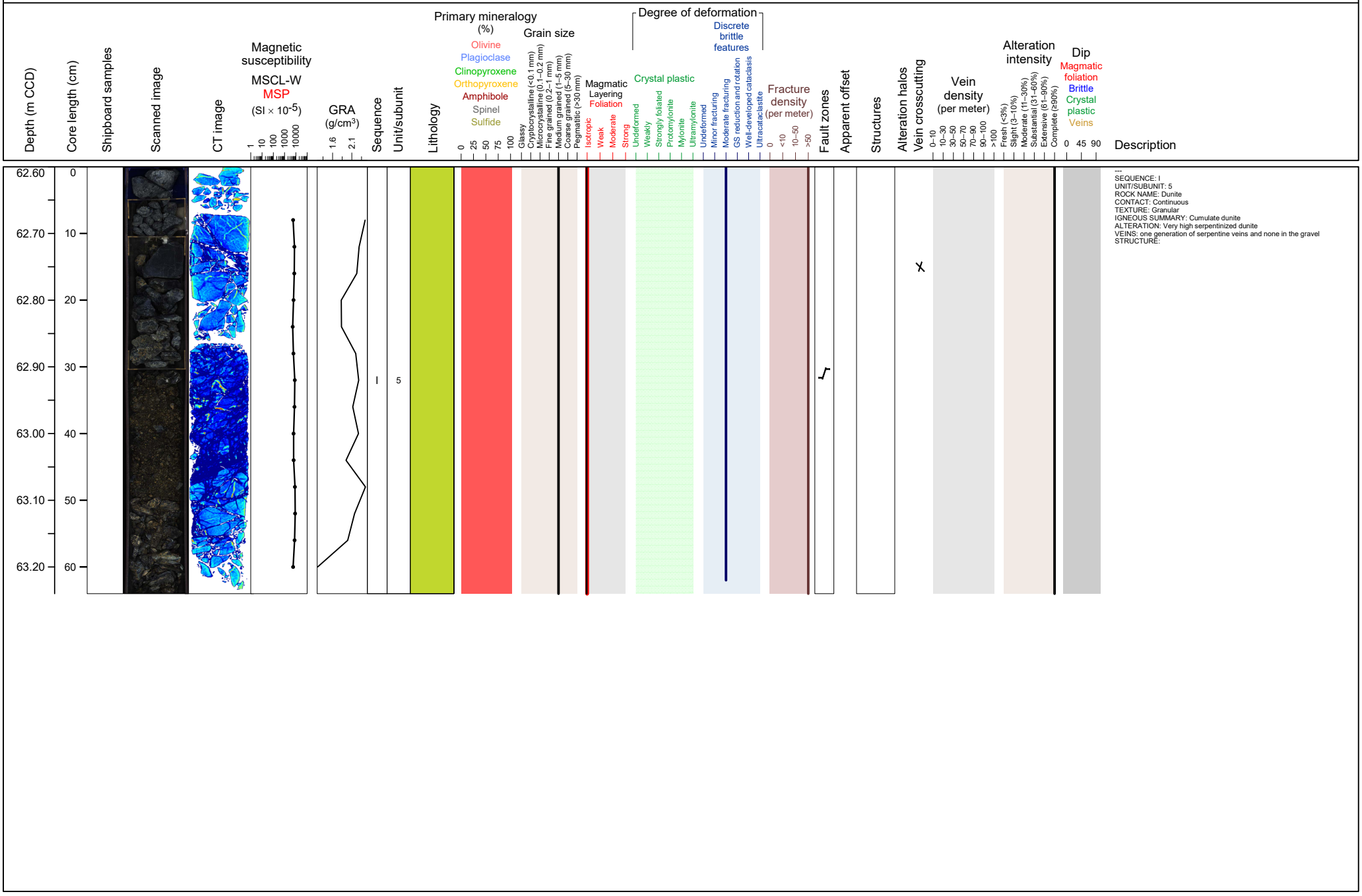
Hole CM2B-32Z Section 2, Top of Section 61.96 (m CCD)



SEQUENCE: I
UNIT/SUBUNIT: 4
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Dunite with Pl-rich bands
ALTERATION: Very high serpentinized plagioclase dunite
VEINS: four generations of serpentine veins
STRUCTURE:

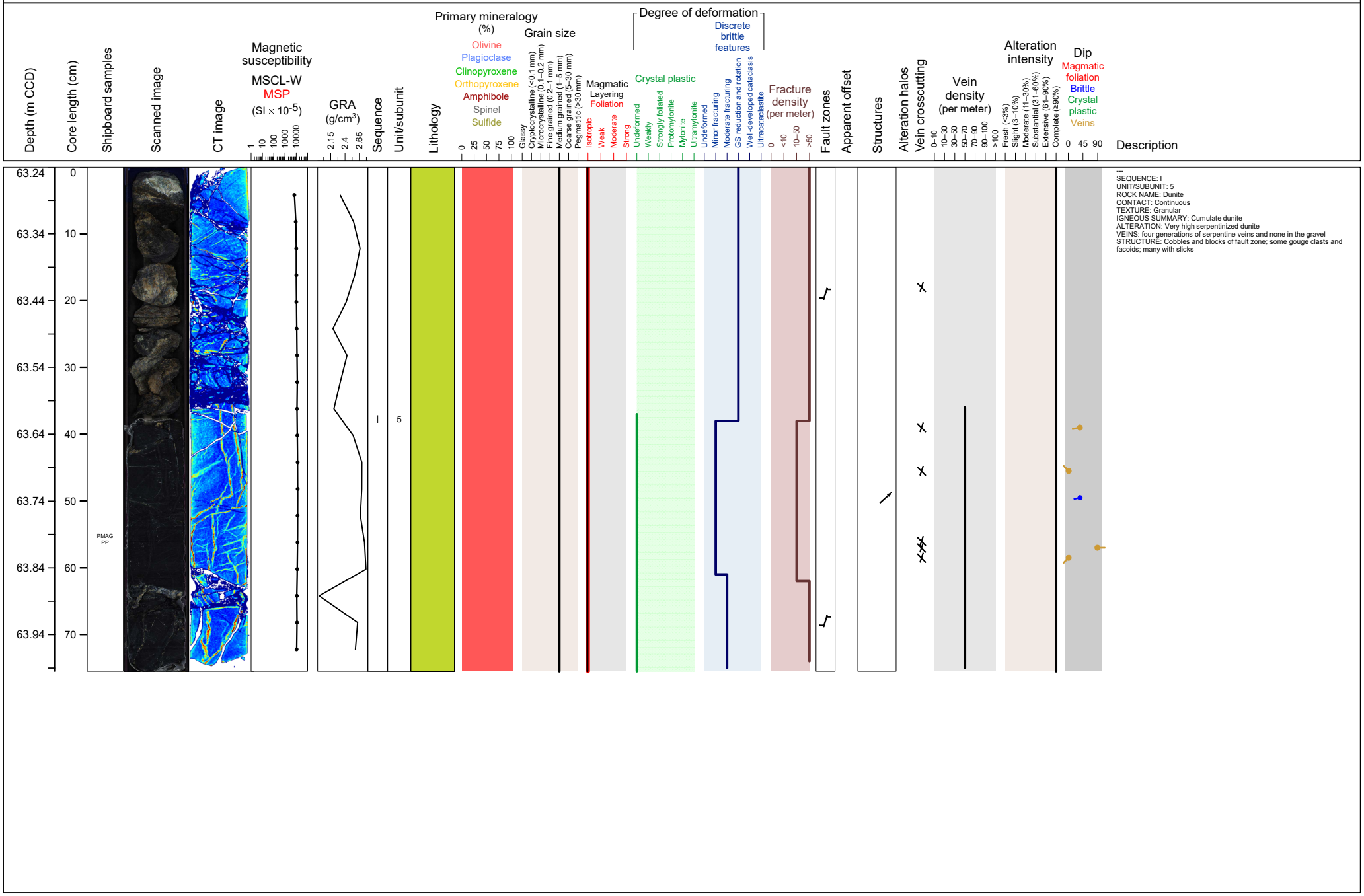
SEQUENCE: I
UNIT/SUBUNIT: 5
ROCK NAME: Dunite
CONTACT: Not recovered
TEXTURE: Granular
IGNEOUS SUMMARY: Cumulate dunite
ALTERATION: Very high serpentinized dunite
VEINS: four generations of serpentine veins
STRUCTURE:

Hole CM2B-33Z Section 1, Top of Section 62.60 (m CCD)

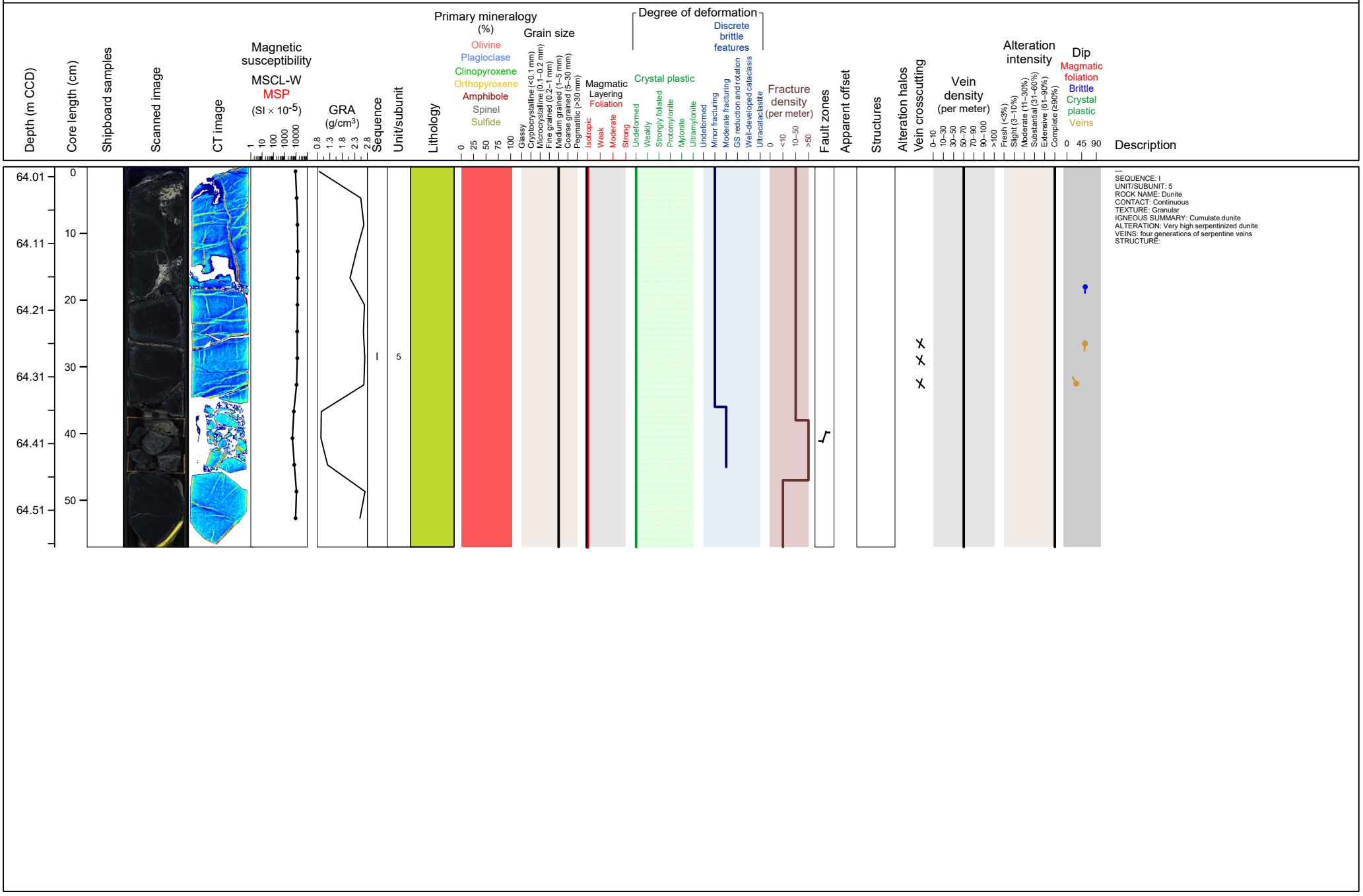


SEQUENCE: I
UNIT/SUBUNIT: 5
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Cumulate dunite
ALTERATION: Very high serpentinized dunite
VEINS: one generation of serpentine veins and none in the gravel
STRUCTURE:

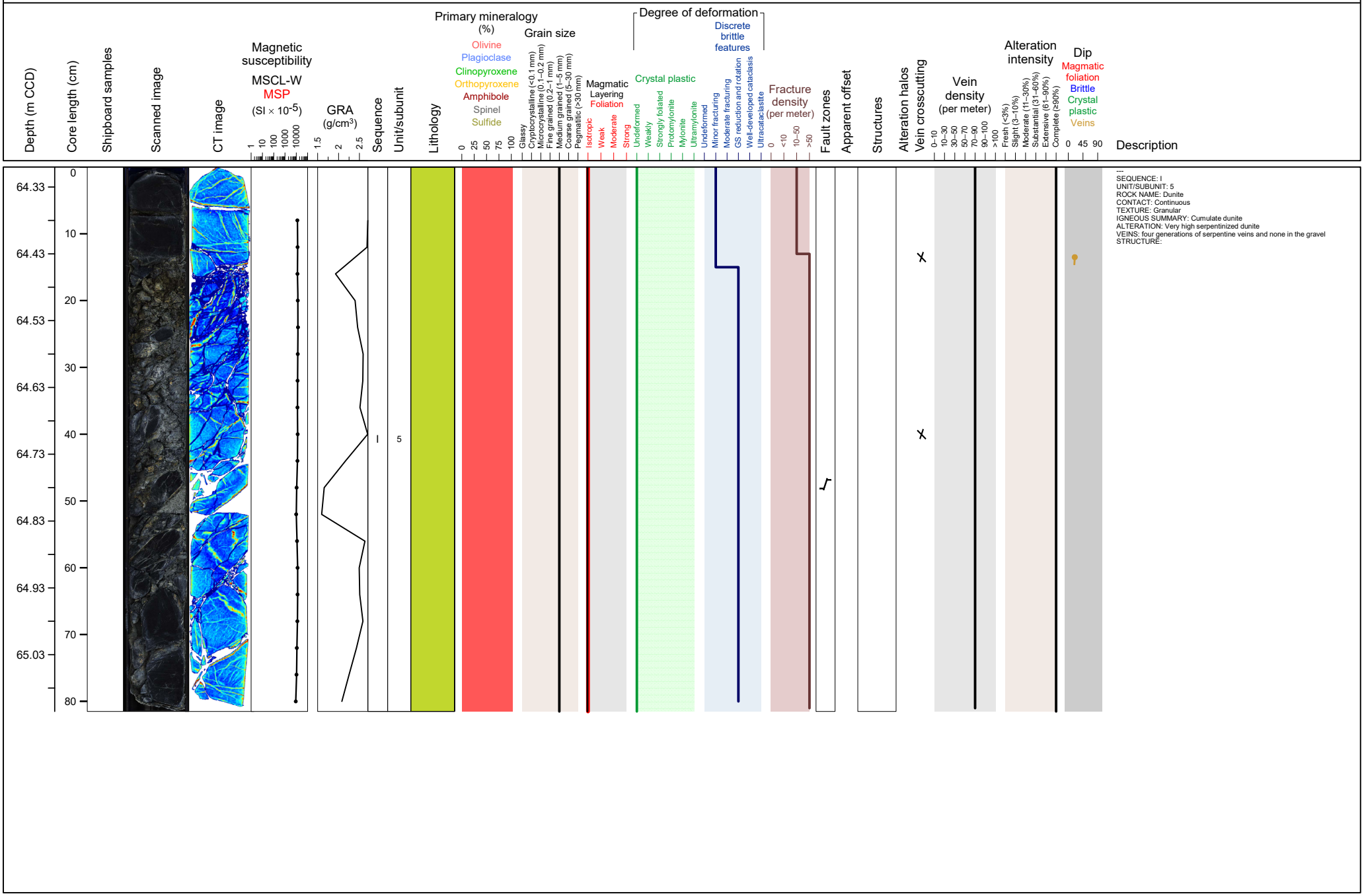
Hole CM2B-33Z Section 2, Top of Section 63.24 (m CCD)



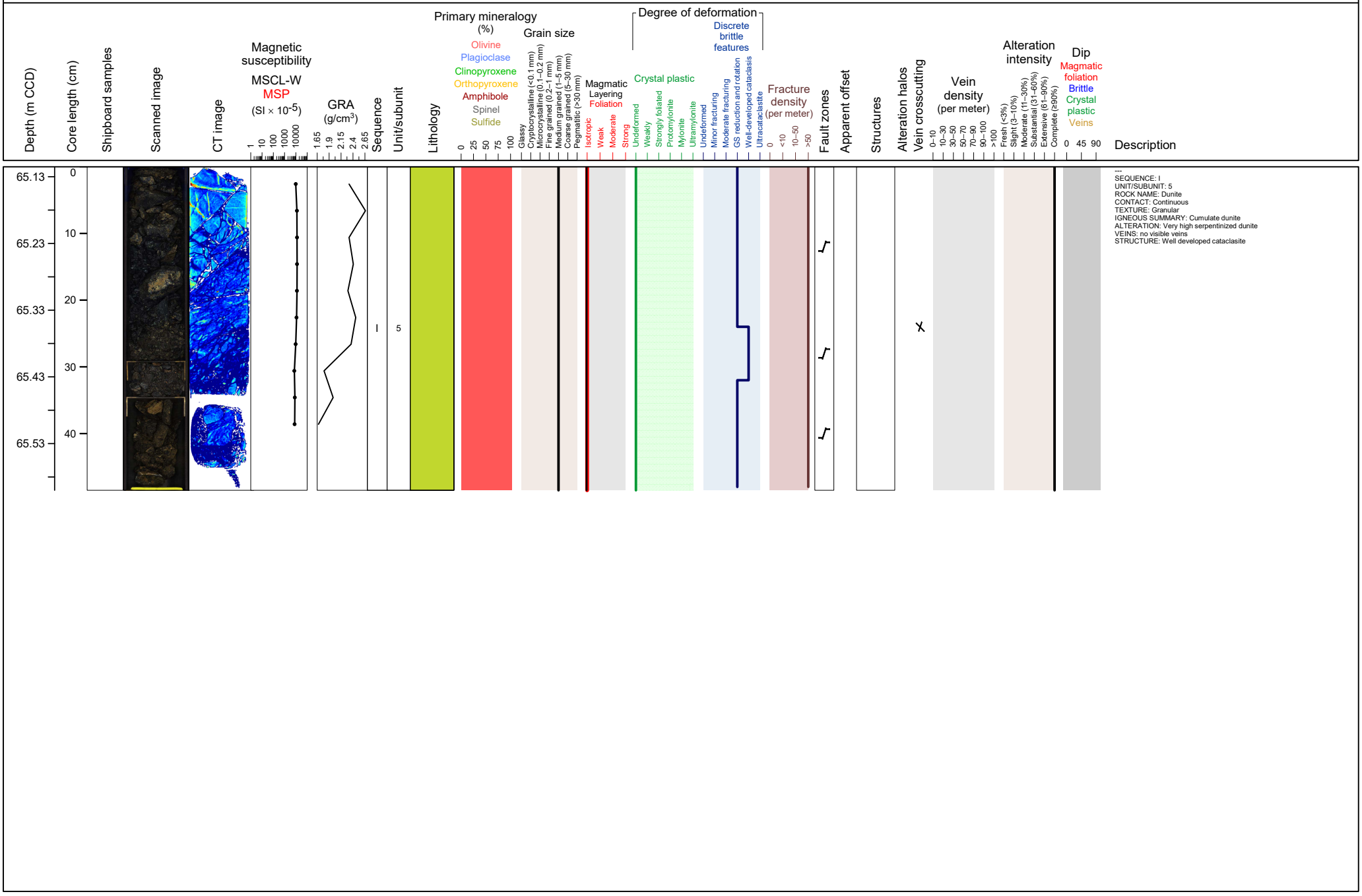
Hole CM2B-33Z Section 3, Top of Section 64.00 (m CCD)



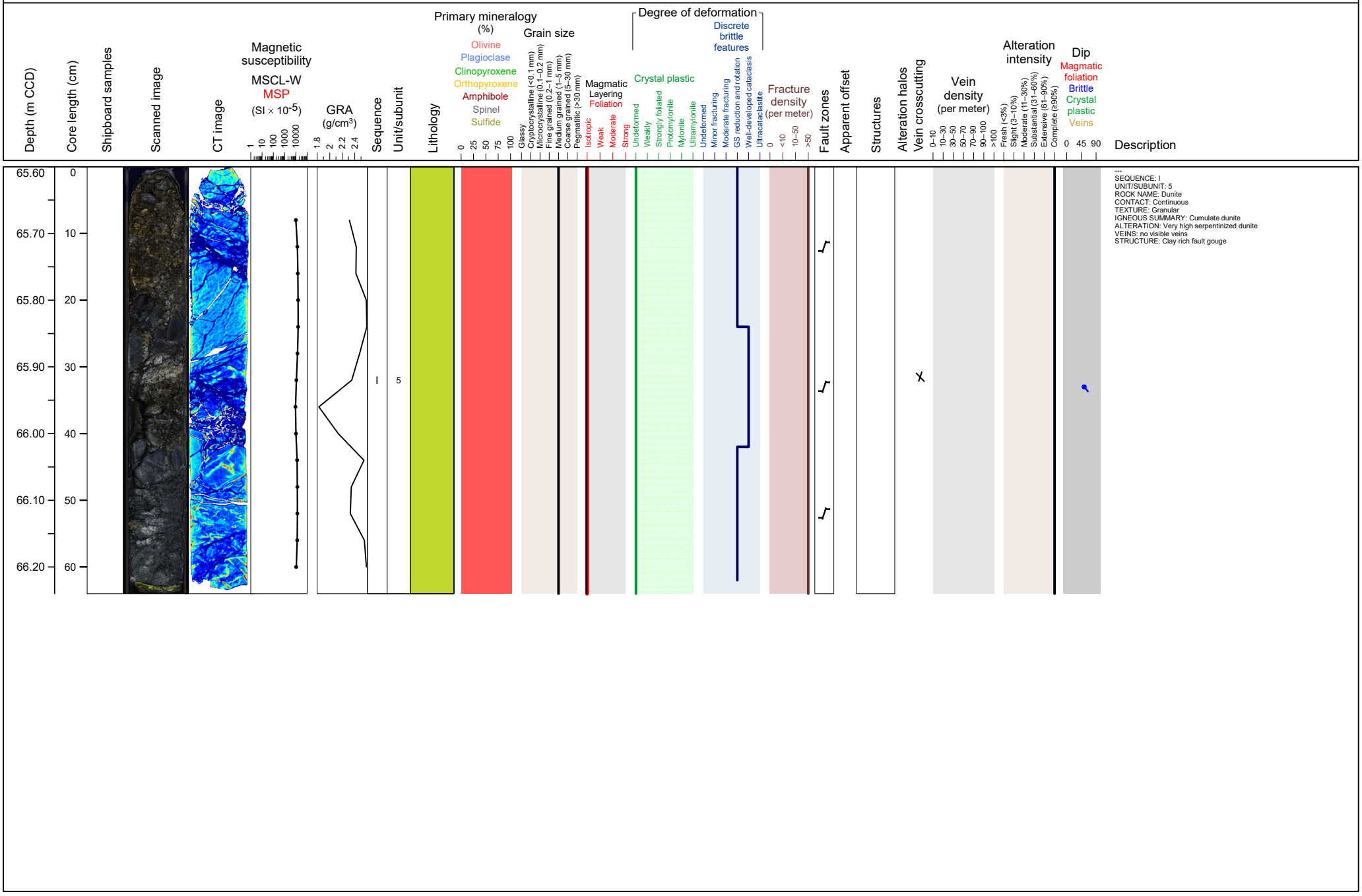
Hole CM2B-34Z Section 1, Top of Section 64.30 (m CCD)



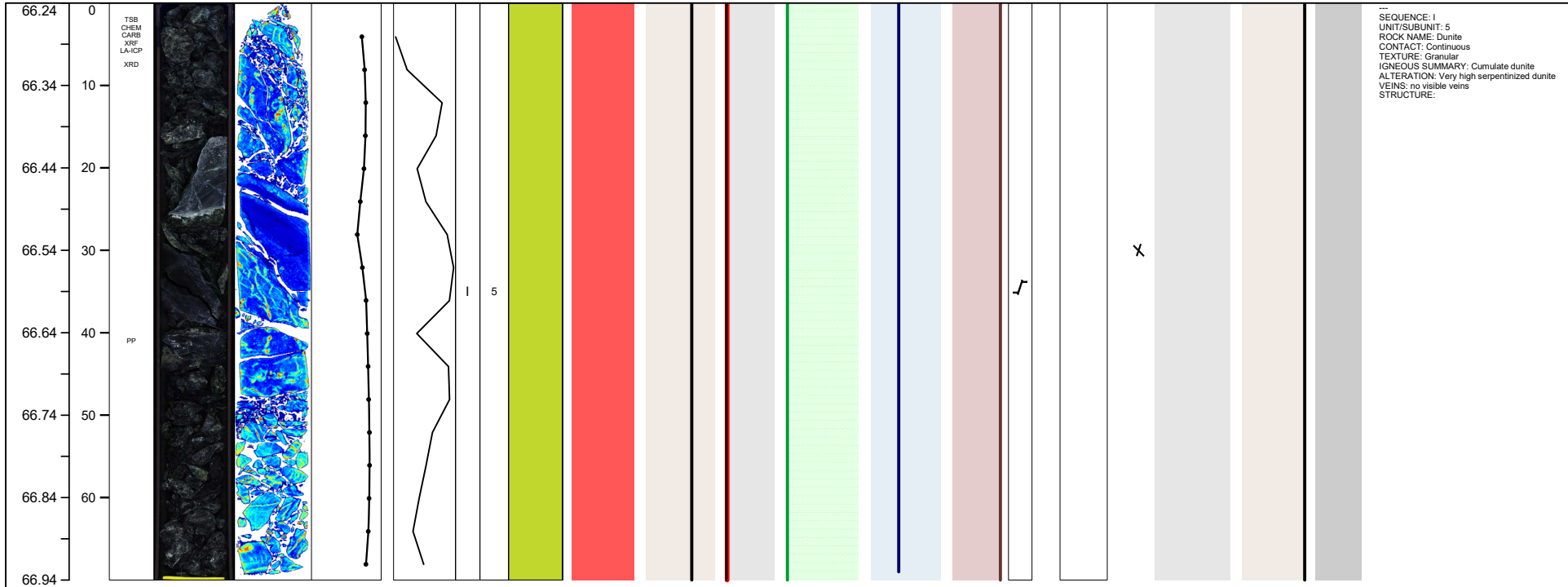
Hole CM2B-34Z Section 2, Top of Section 65.12 (m CCD)



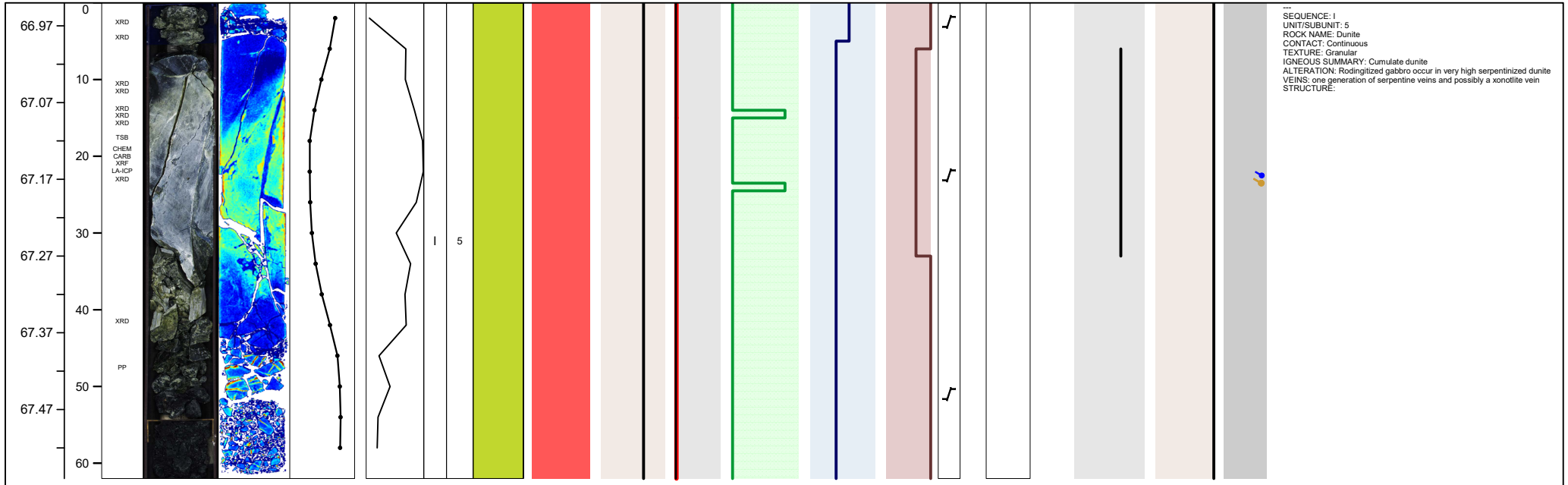
Hole CM2B-35Z Section 1, Top of Section 65.60 (m CCD)



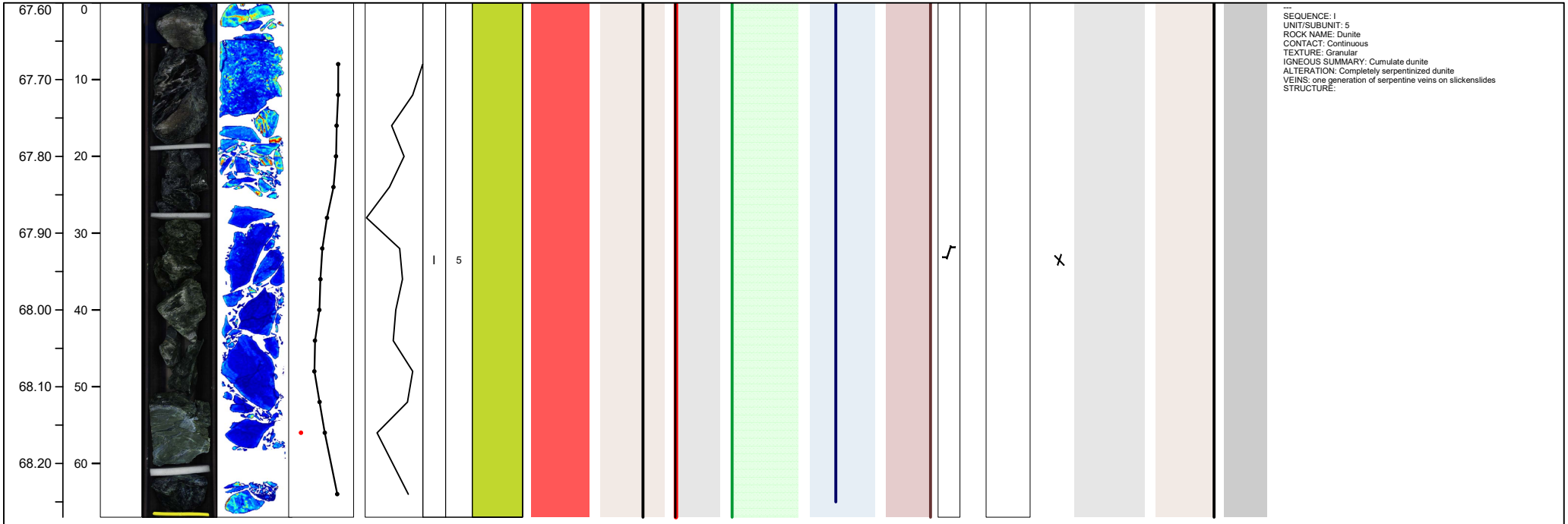
Hole CM2B-35Z Section 2, Top of Section 66.24 (m CCD)



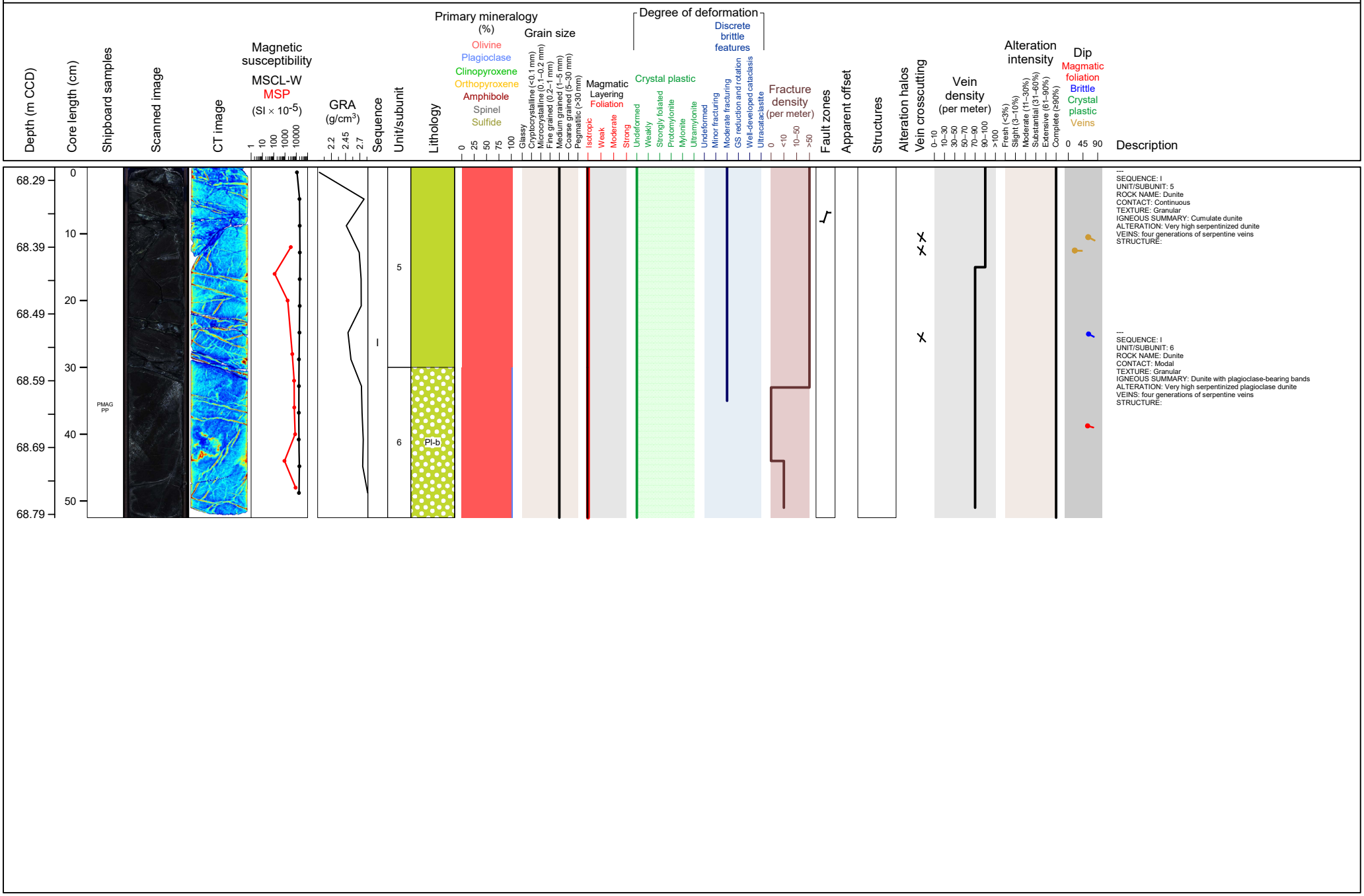
Hole CM2B-35Z Section 3, Top of Section 66.94 (m CCD)



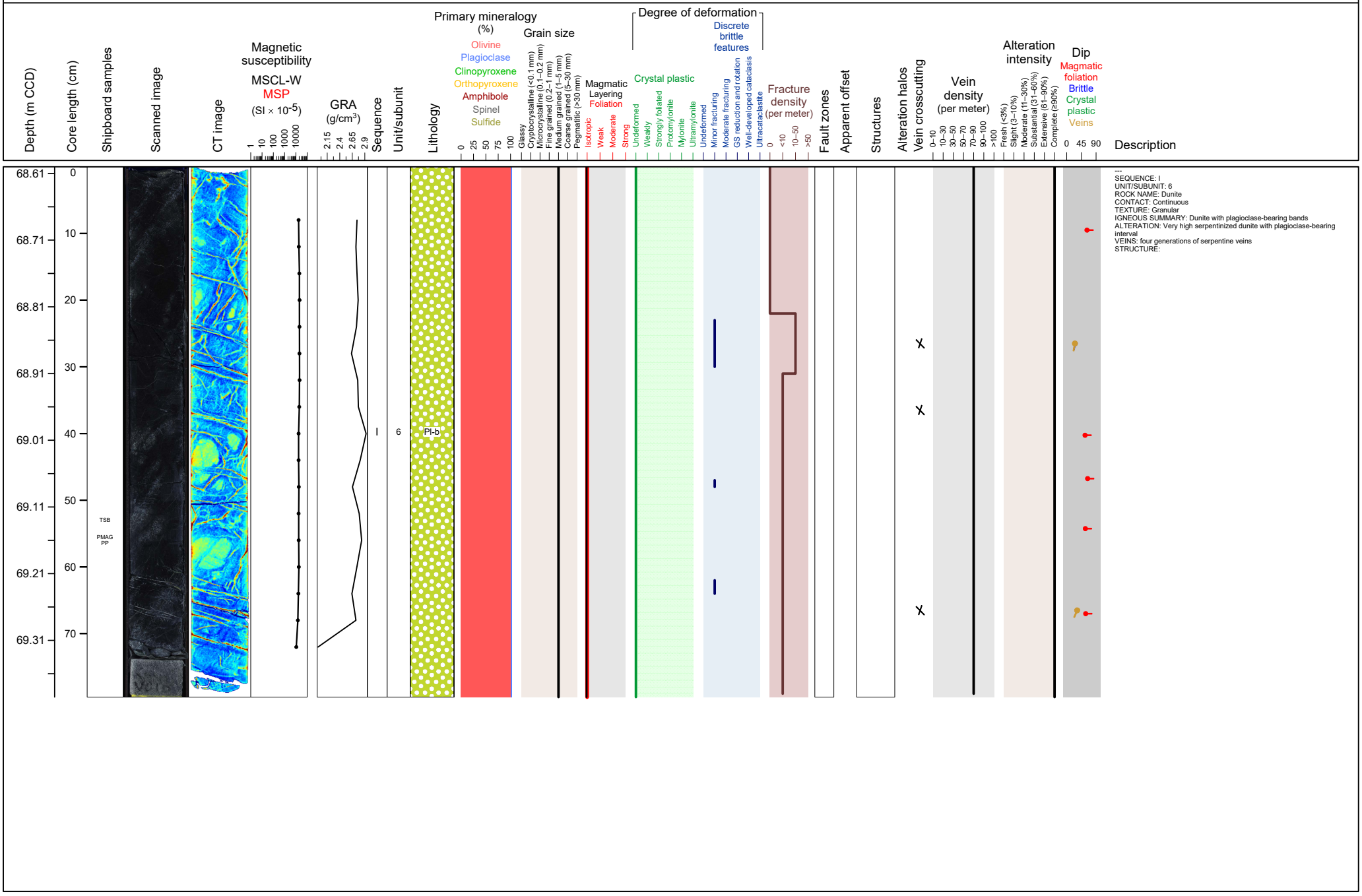
Hole CM2B-36Z Section 1, Top of Section 67.60 (m CCD)



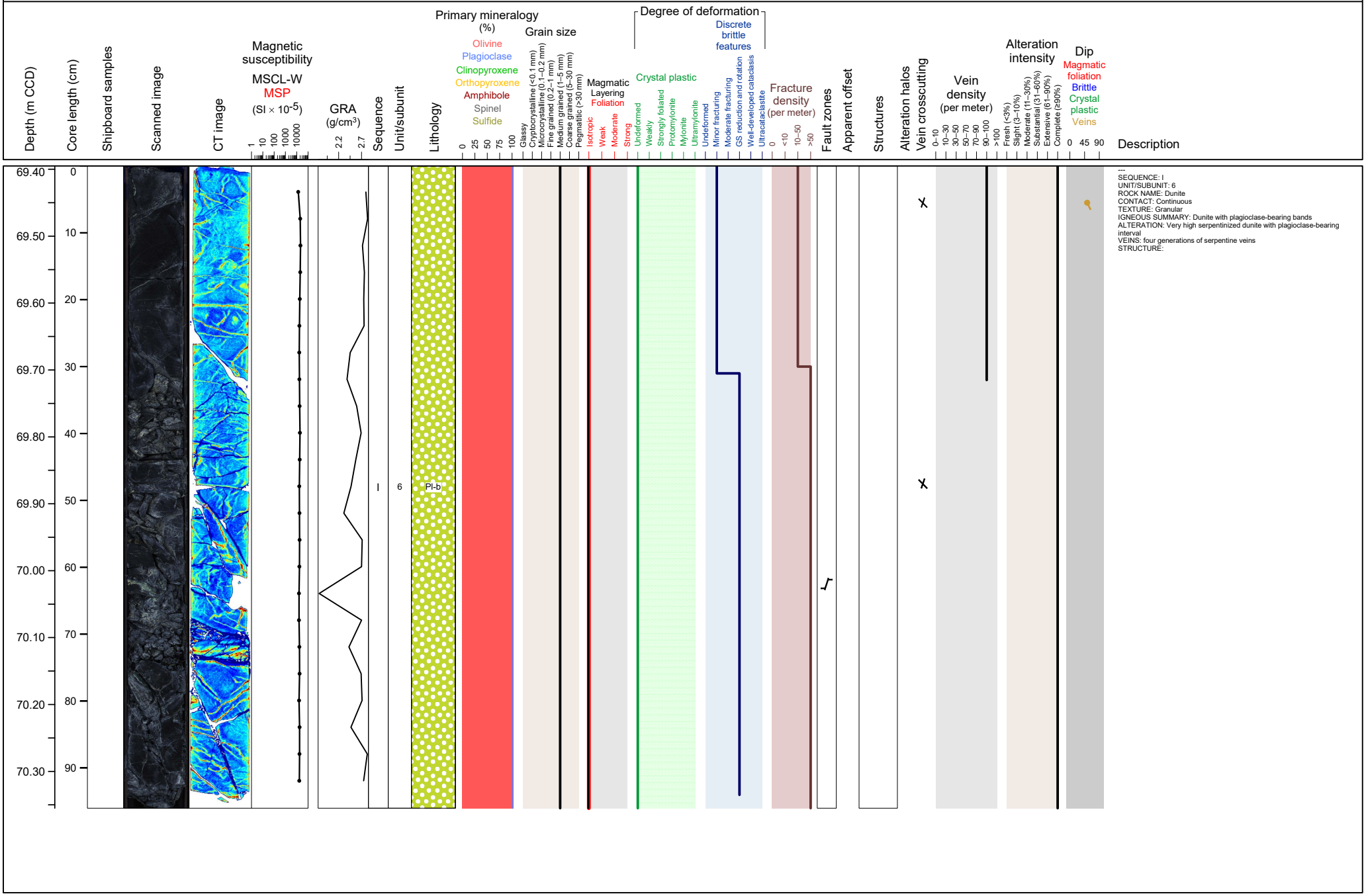
Hole CM2B-36Z Section 2, Top of Section 68.27 (m CCD)



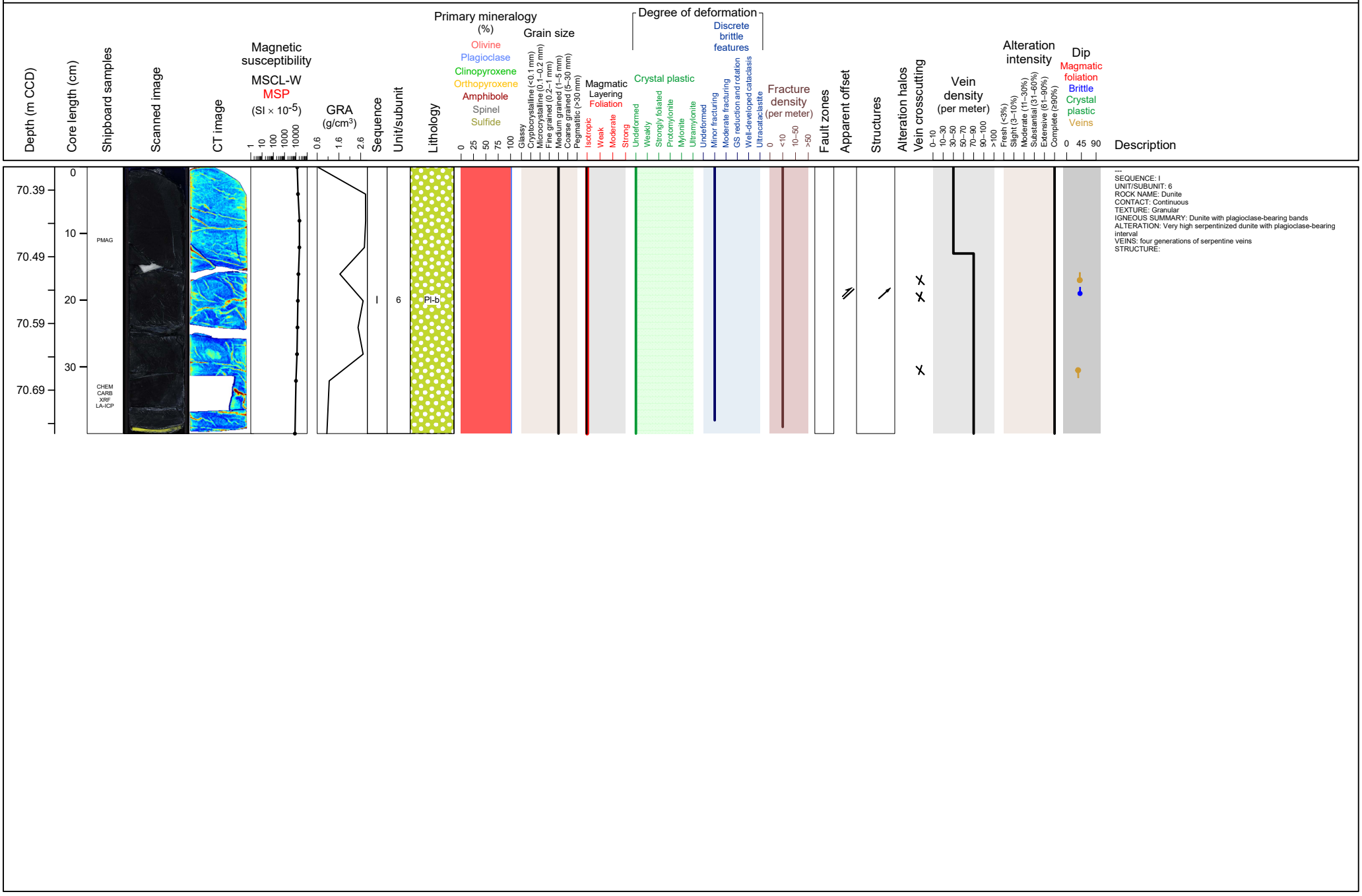
Hole CM2B-37Z Section 1, Top of Section 68.60 (m CCD)



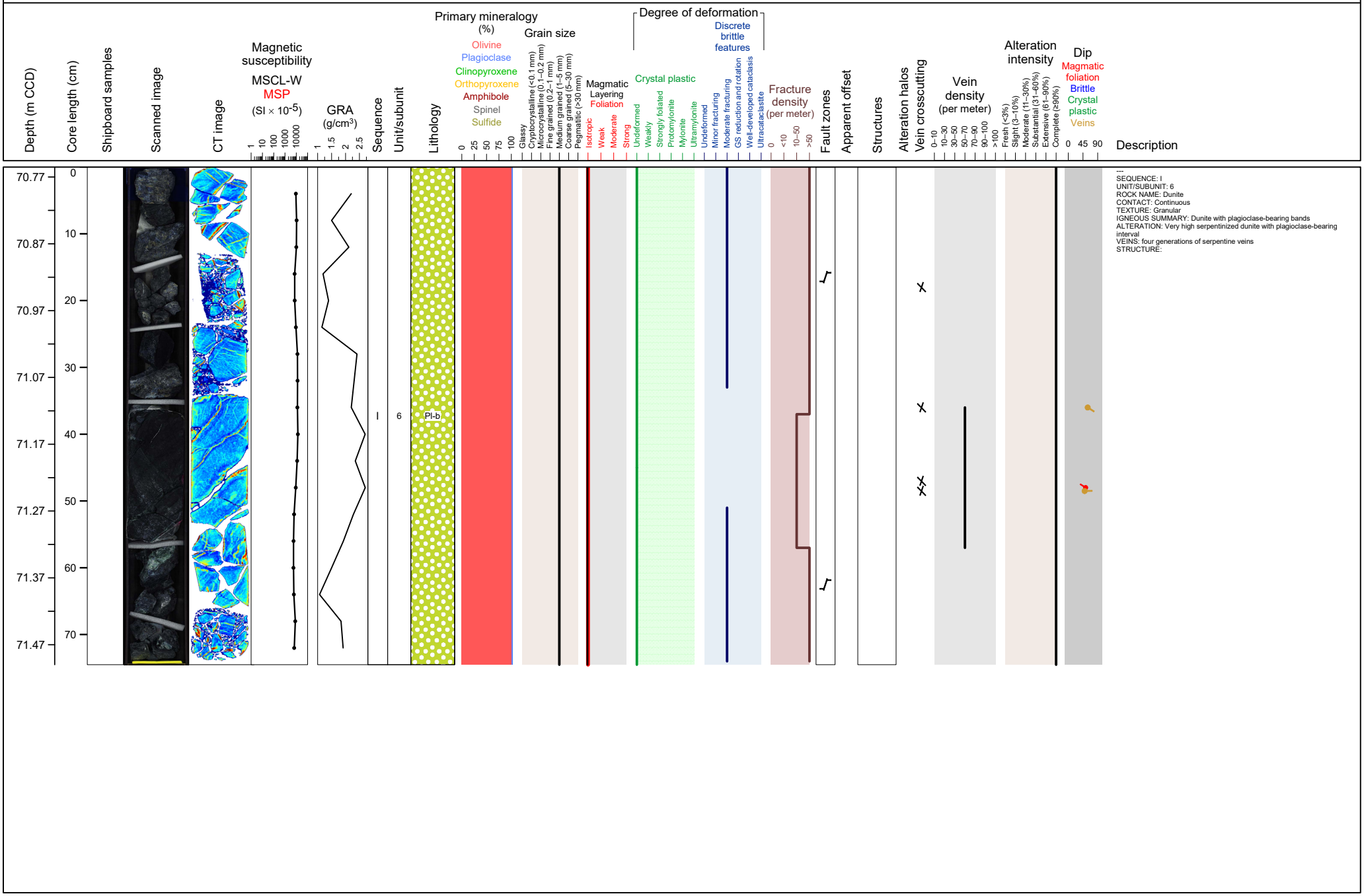
Hole CM2B-37Z Section 2, Top of Section 69.40 (m CCD)



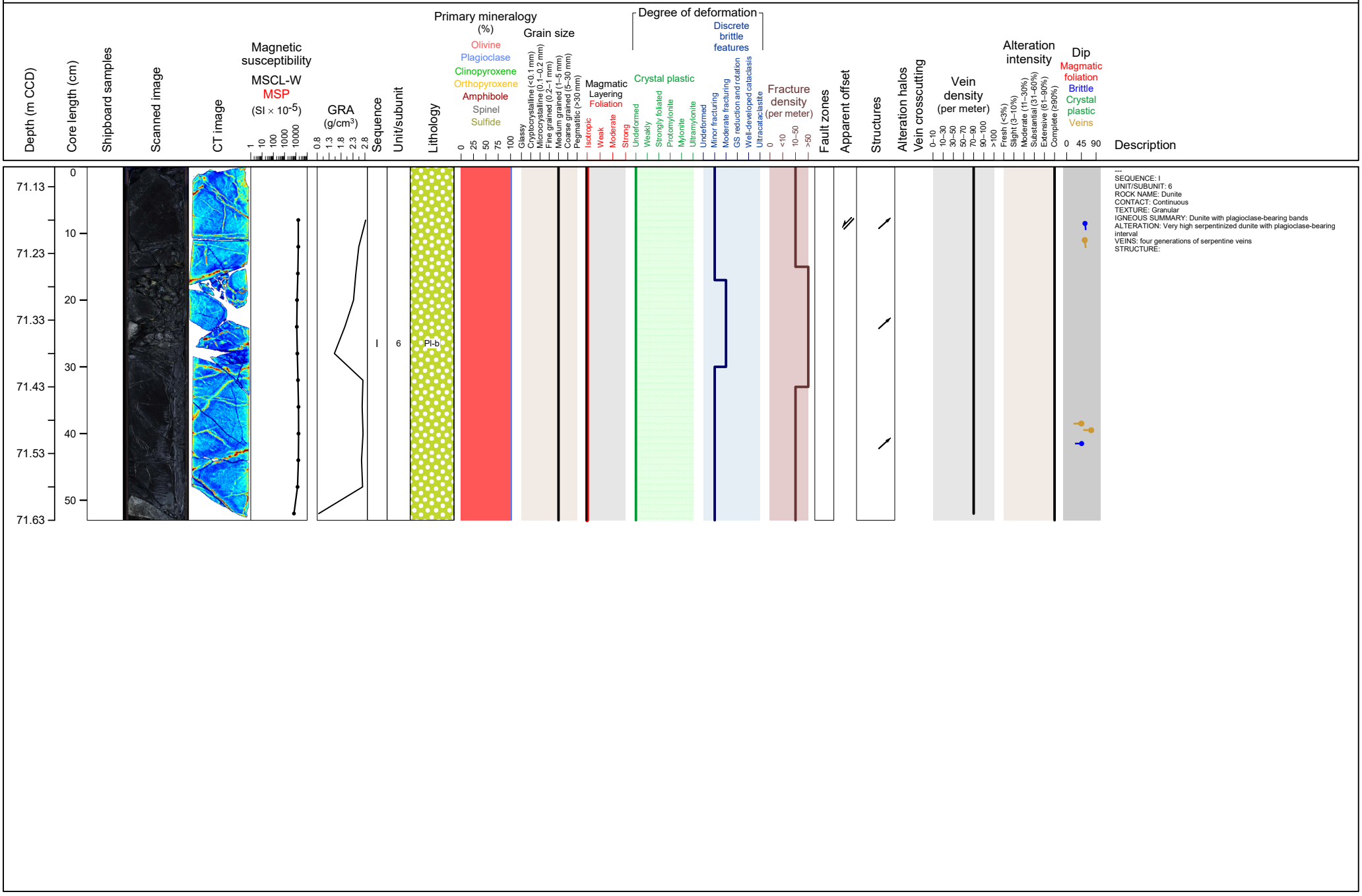
Hole CM2B-37Z Section 3, Top of Section 70.36 (m CCD)



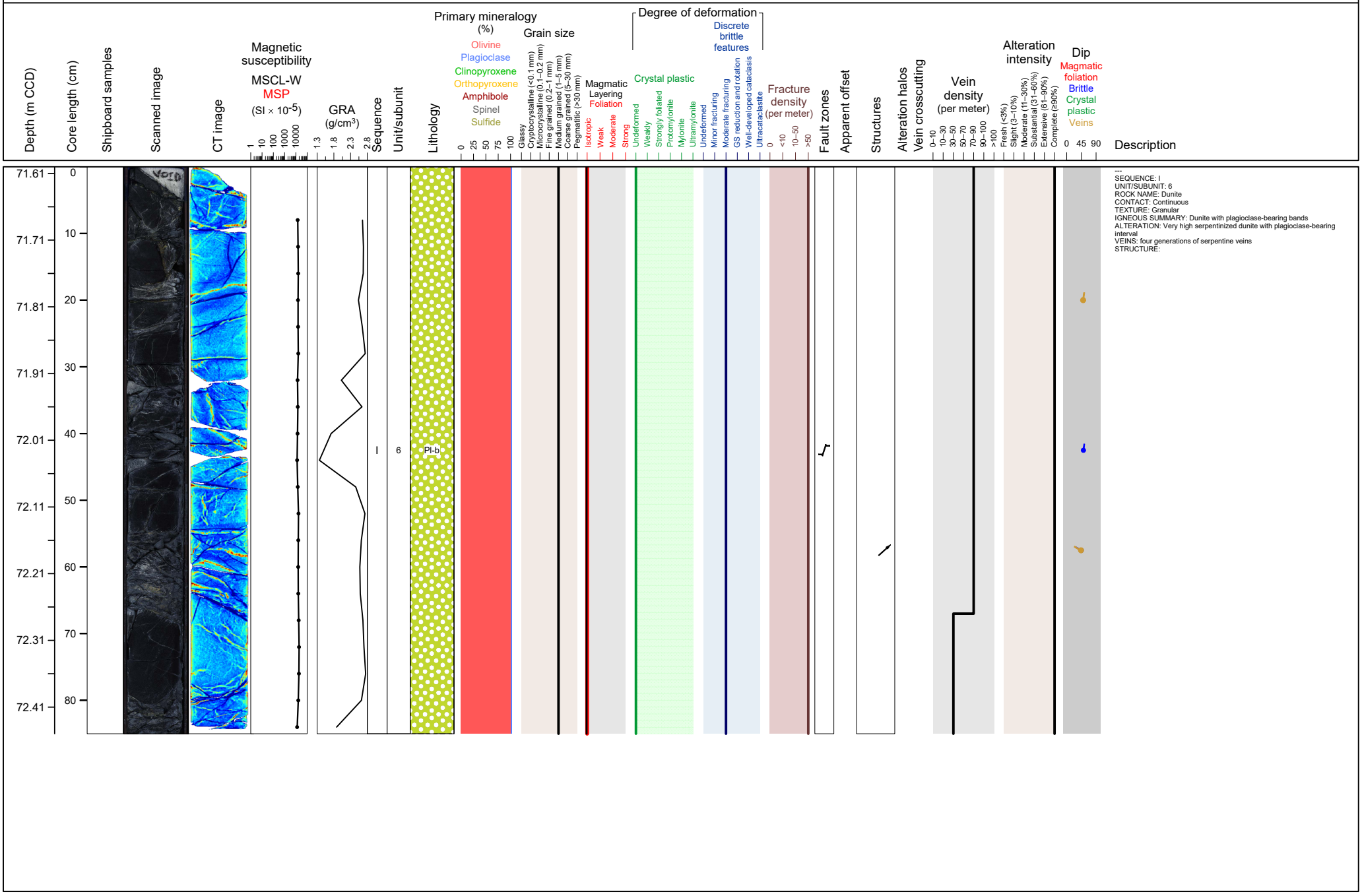
Hole CM2B-37Z Section 4, Top of Section 70.76 (m CCD)



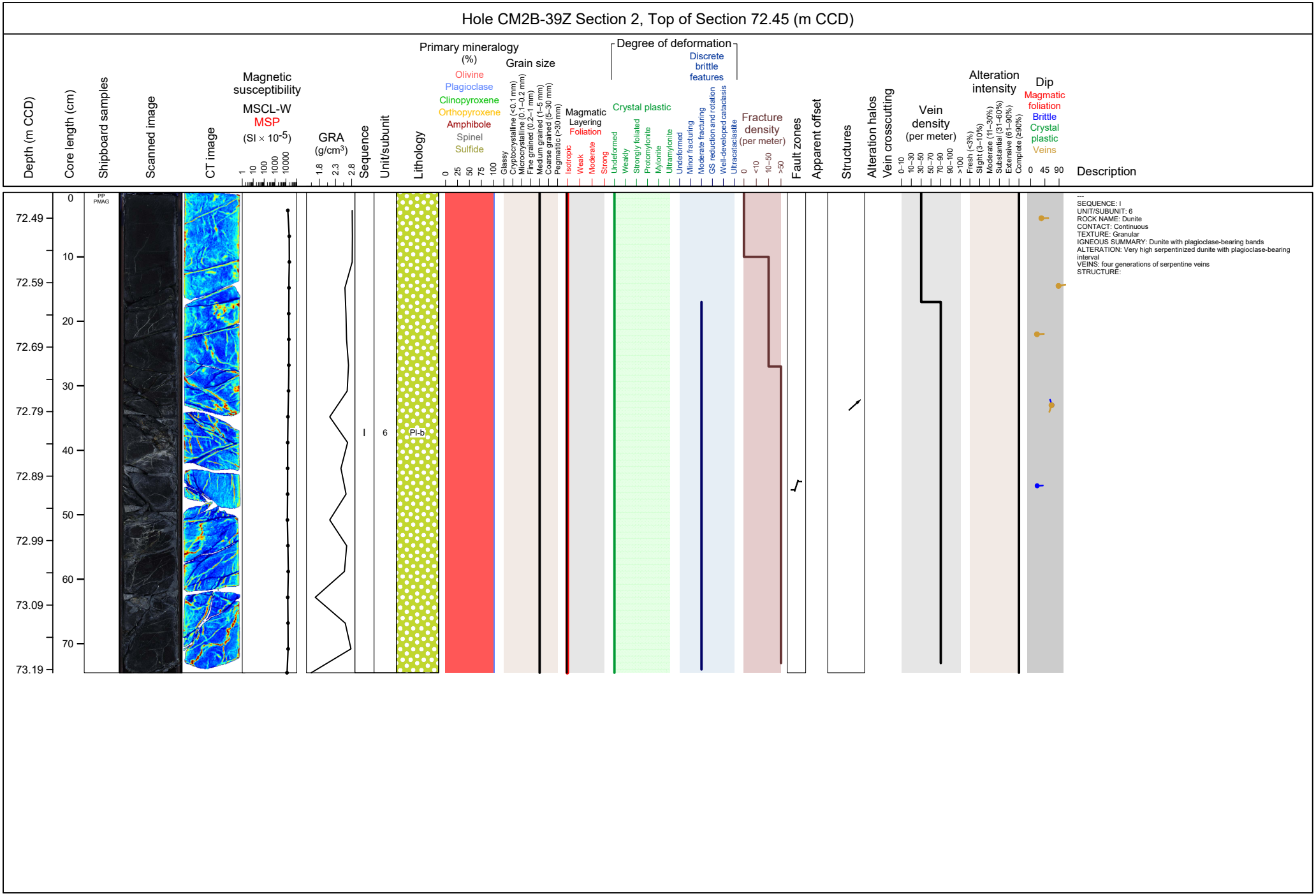
Hole CM2B-38Z Section 1, Top of Section 71.10 (m CCD)



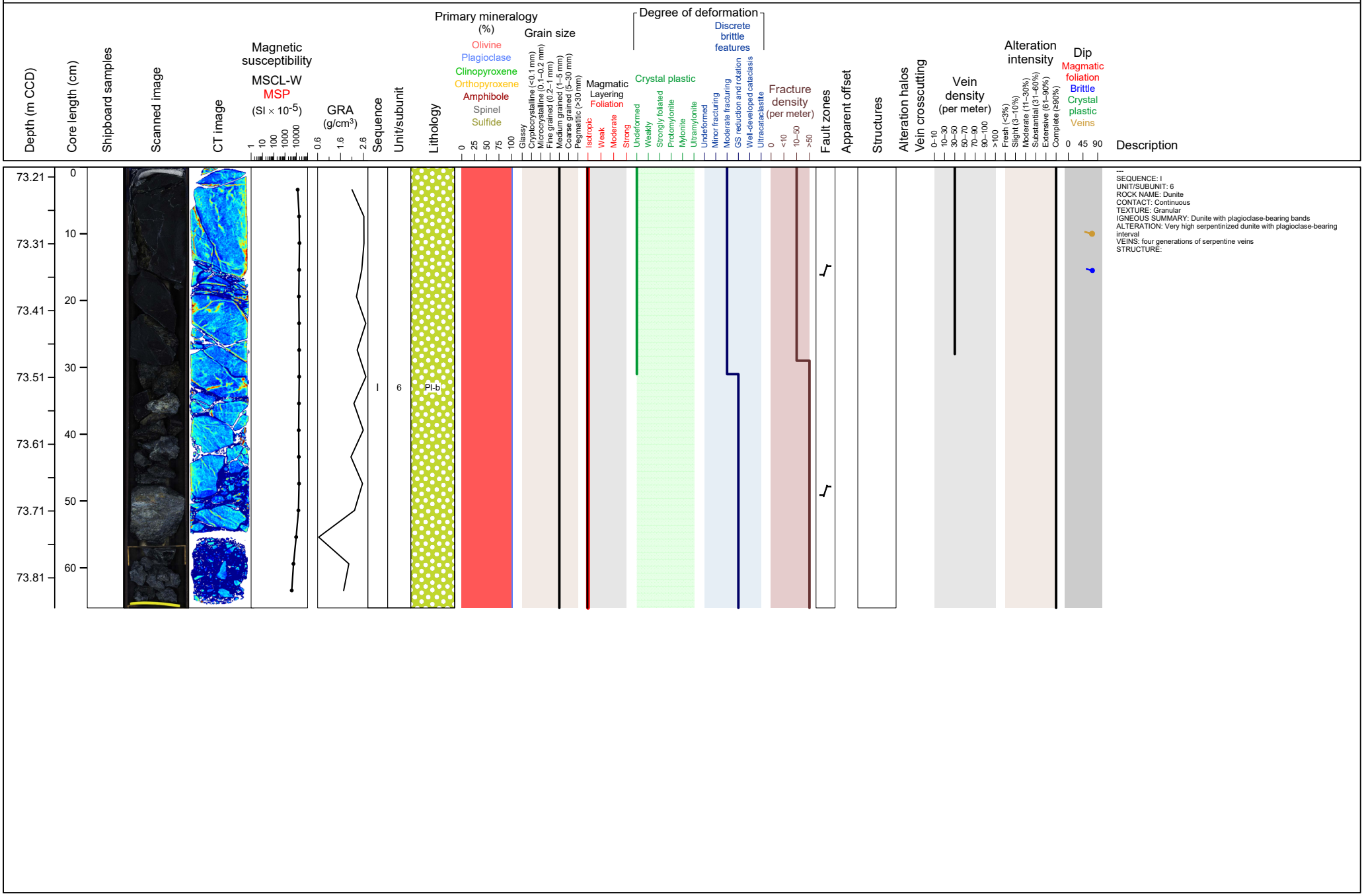
Hole CM2B-39Z Section 1, Top of Section 71.60 (m CCD)



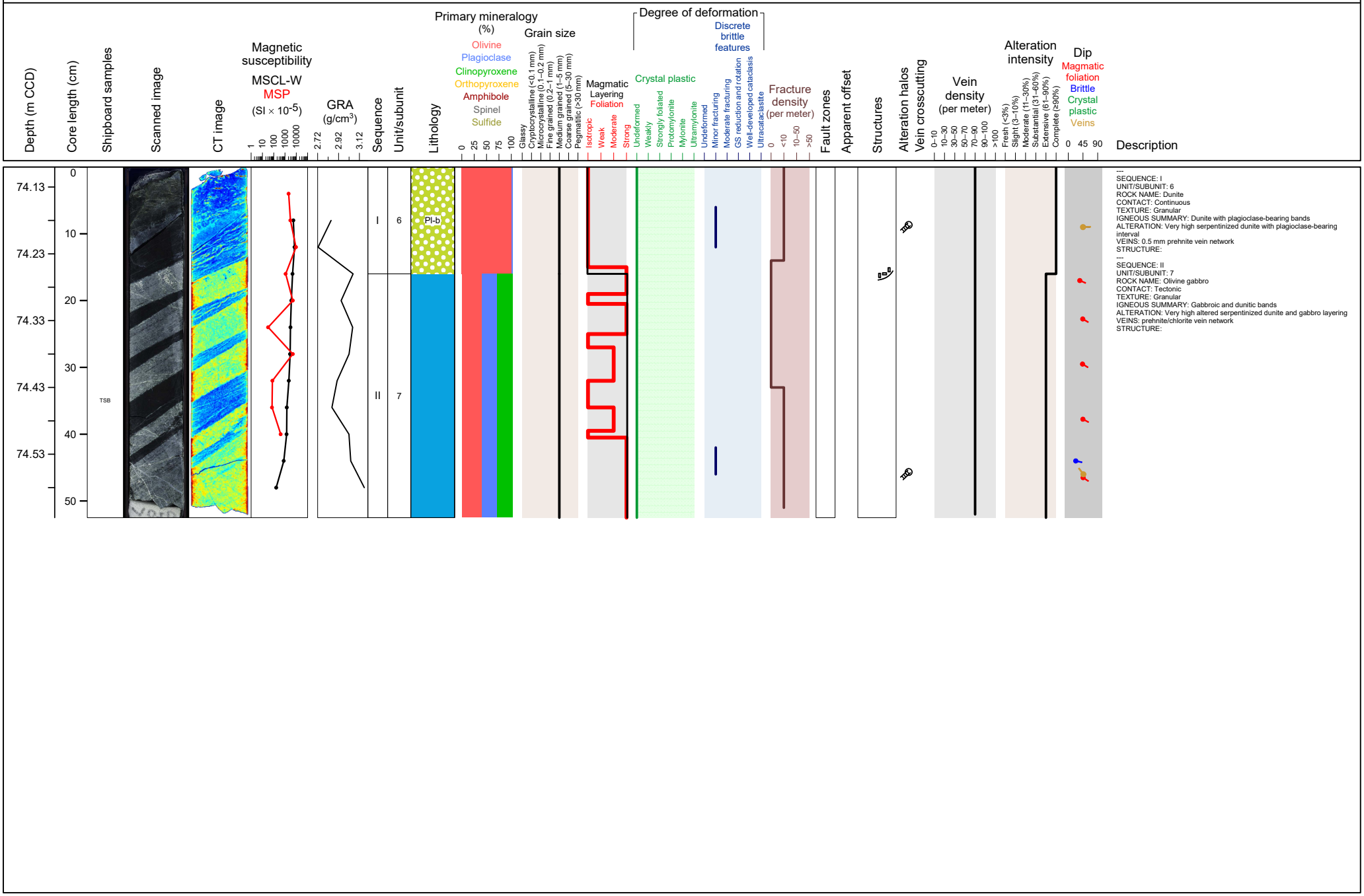
Hole CM2B-39Z Section 2, Top of Section 72.45 (m CCD)



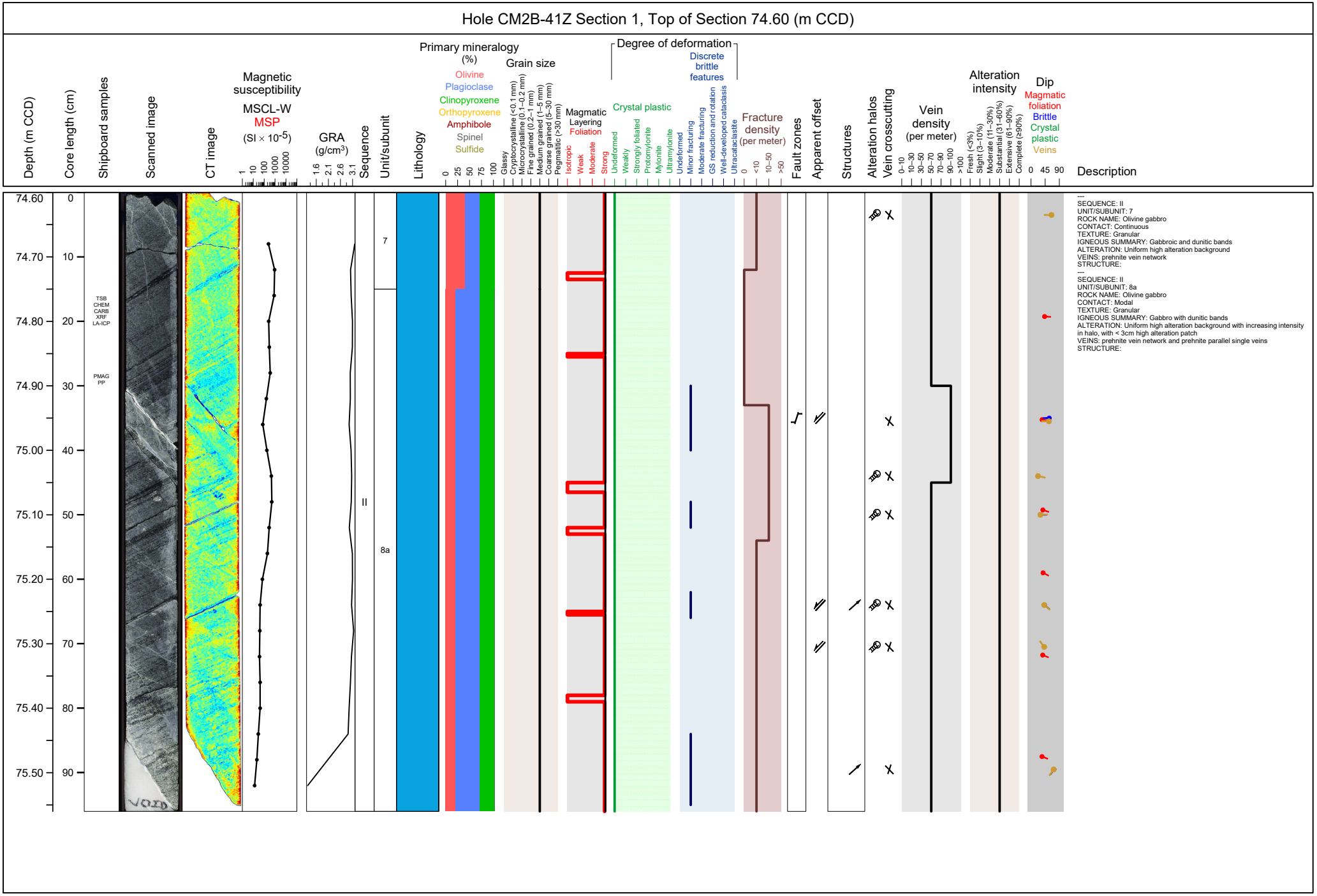
Hole CM2B-39Z Section 3, Top of Section 73.20 (m CCD)



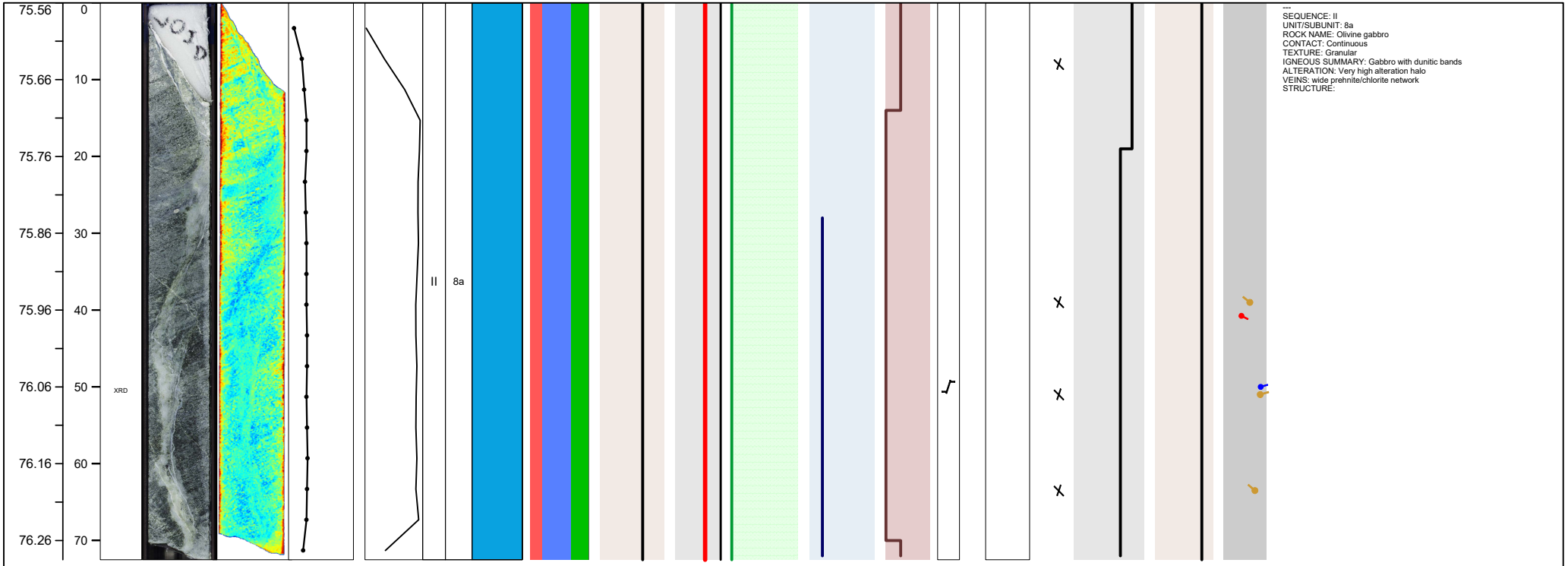
Hole CM2B-40Z Section 1, Top of Section 74.10 (m CCD)



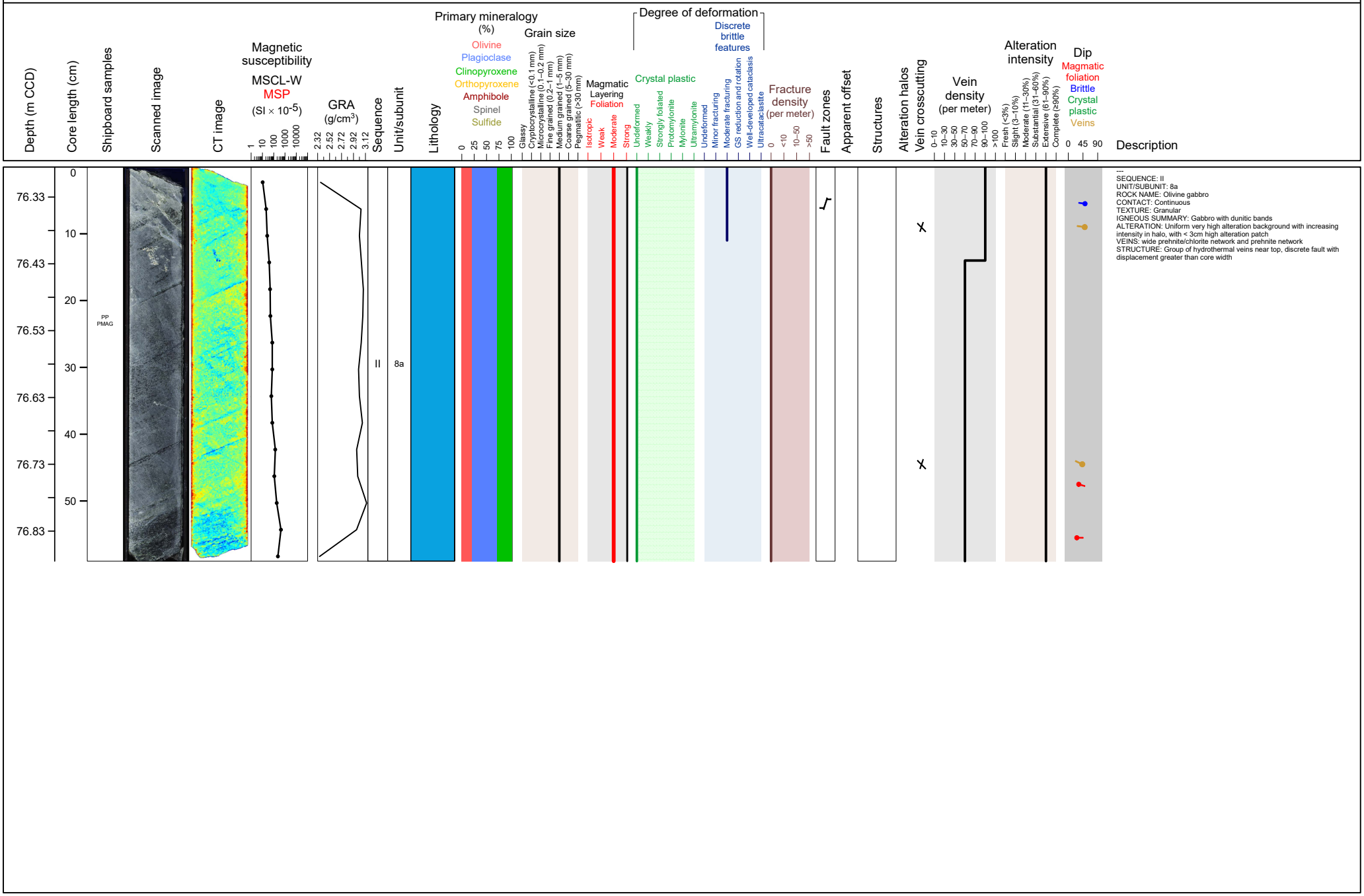
Hole CM2B-41Z Section 1, Top of Section 74.60 (m CCD)



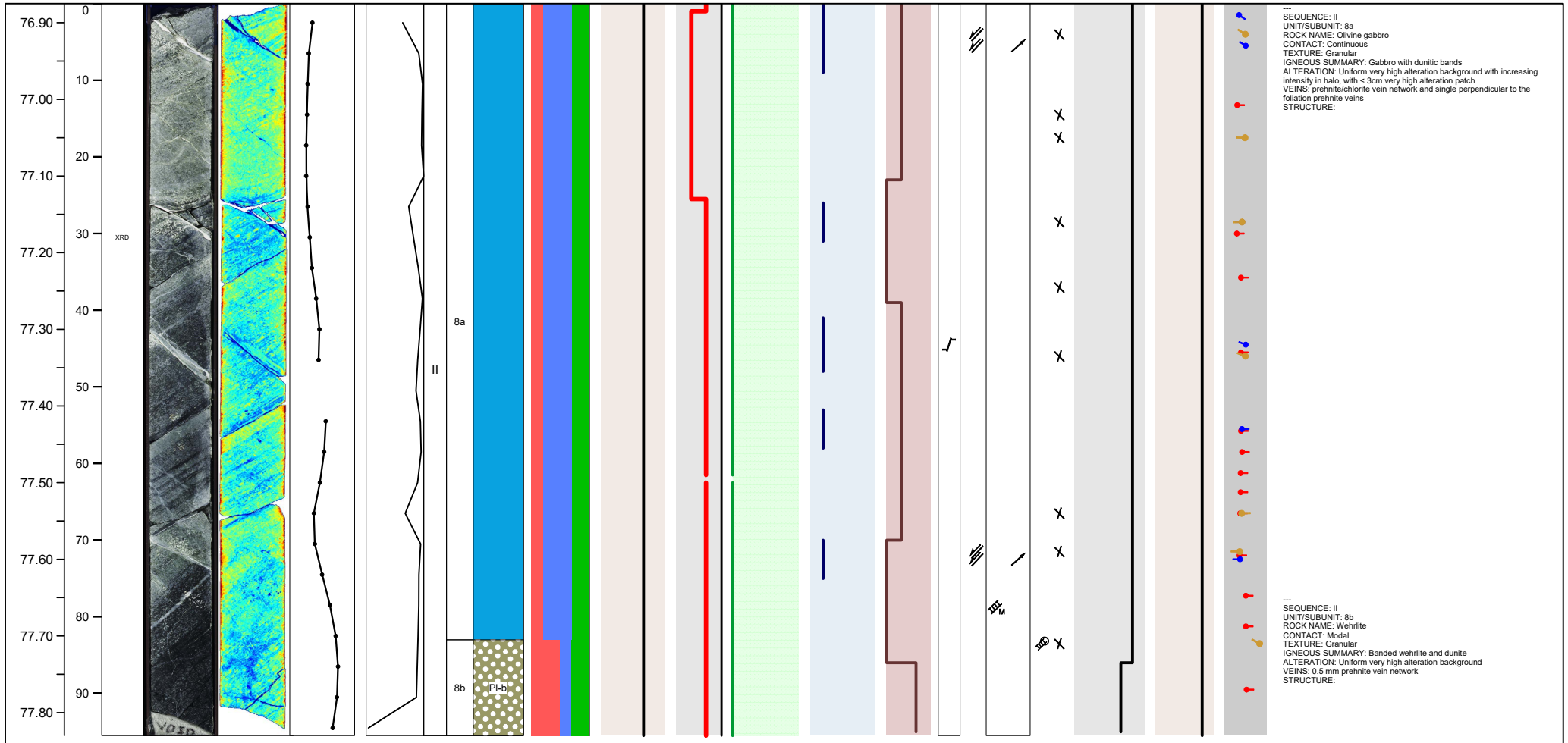
Hole CM2B-41Z Section 2, Top of Section 75.56 (m CCD)



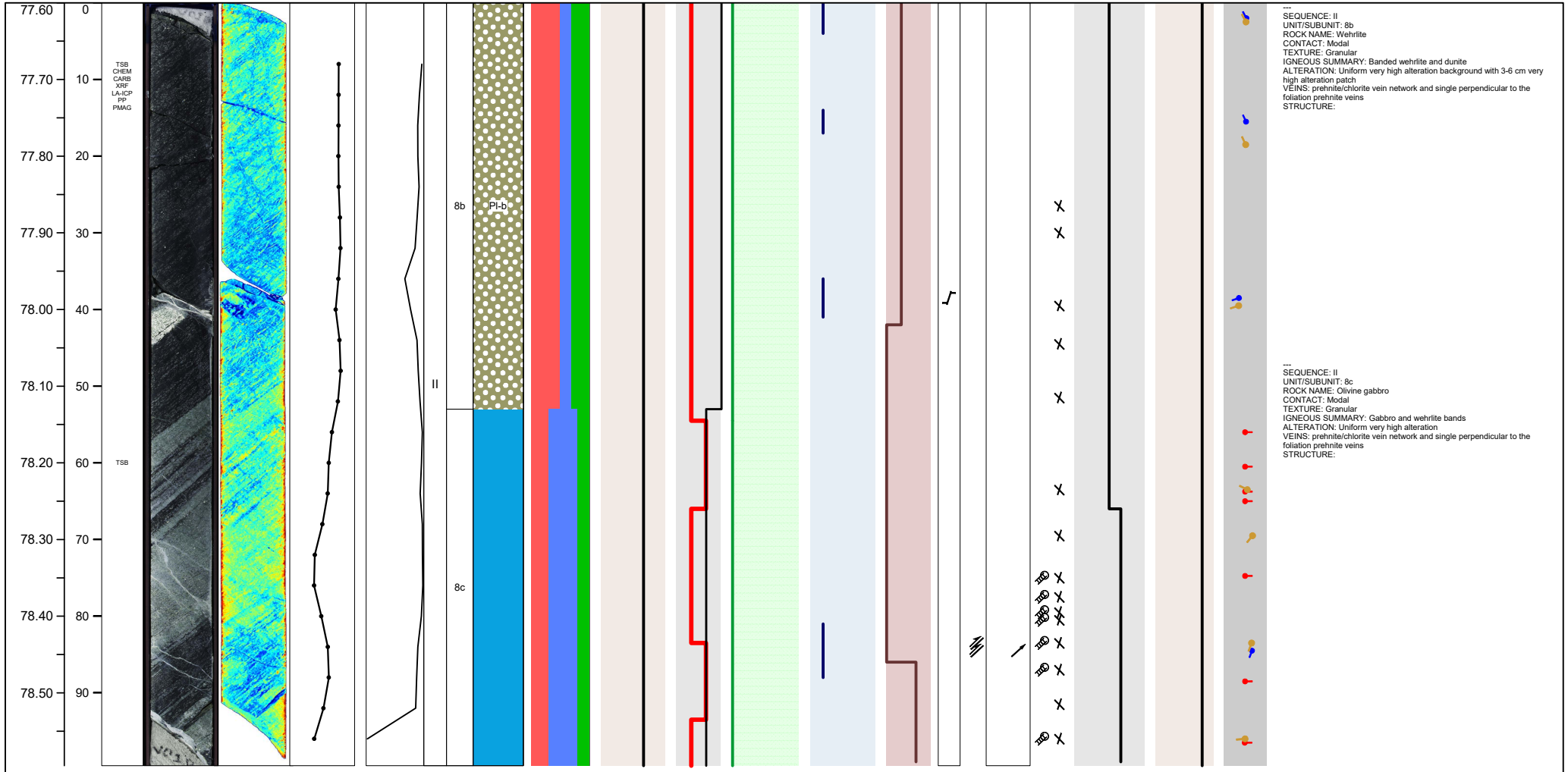
Hole CM2B-41Z Section 3, Top of Section 76.29 (m CCD)



Hole CM2B-41Z Section 4, Top of Section 76.88 (m CCD)



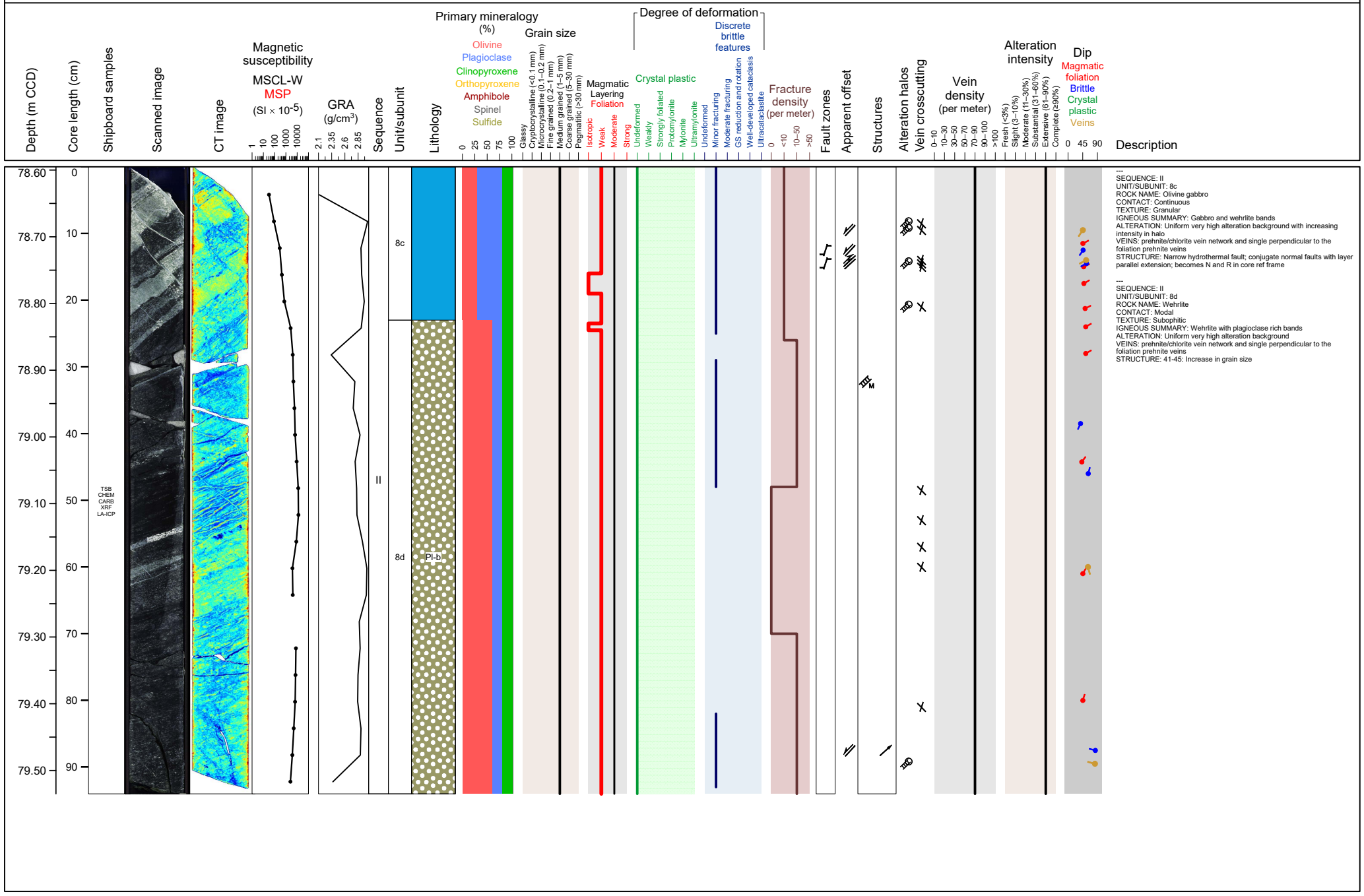
Hole CM2B-42Z Section 1, Top of Section 77.60 (m CCD)



SEQUENCE: II
UNIT/SUBUNIT: 8b
ROCK NAME: Wehrlite
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Banded wehrlite and dunite
ALTERATION: Uniform very high alteration background with 3-6 cm very high alteration patch
VEINS: prehnite/chlorite vein network and single perpendicular to the foliation prehnite veins
STRUCTURE:

SEQUENCE: II
UNIT/SUBUNIT: 8c
ROCK NAME: Olivine gabbro
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Gabbro and wehrlite bands
ALTERATION: Uniform very high alteration
VEINS: prehnite/chlorite vein network and single perpendicular to the foliation prehnite veins
STRUCTURE:

Hole CM2B-42Z Section 2, Top of Section 78.60 (m CCD)



SEQUENCE: II
UNIT/SUBUNIT: 8c
ROCK NAME: Olivine gabbro
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Gabbro and wehrlite bands
ALTERATION: Uniform very high alteration background with increasing intensity in halo
VEINS: prehnite/chlorite vein network and single perpendicular to the foliation prehnite veins
STRUCTURE: Narrow hydrothermal fault; conjugate normal faults with layer parallel extension; becomes N and R in core ref frame

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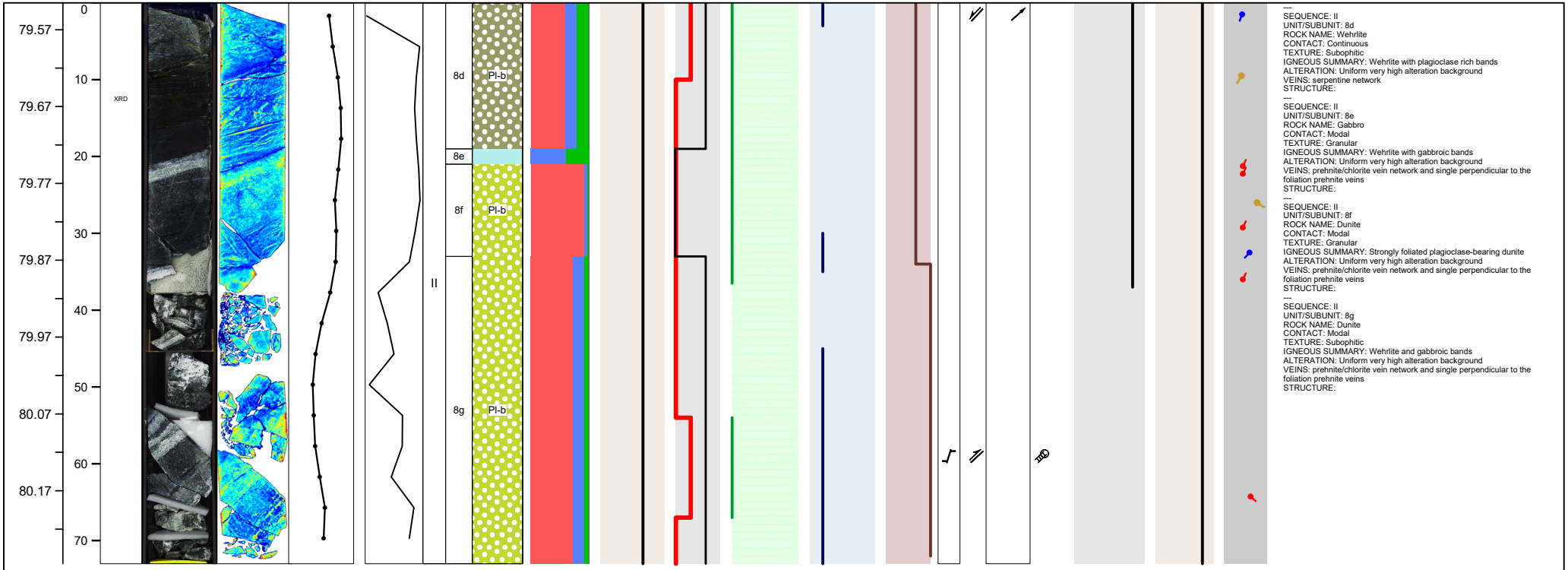
SEQUENCE: II
UNIT/SUBUNIT: 8d
ROCK NAME: Wehrlite
CONTACT: Modal
TEXTURE: Subophitic
IGNEOUS SUMMARY: Wehrlite with plagioclase rich bands
ALTERATION: Uniform very high alteration background
VEINS: prehnite/chlorite vein network and single perpendicular to the foliation prehnite veins
STRUCTURE: 41-45: Increase in grain size

Hole CM2B-42Z Section 3, Top of Section 79.54 (m CCD)



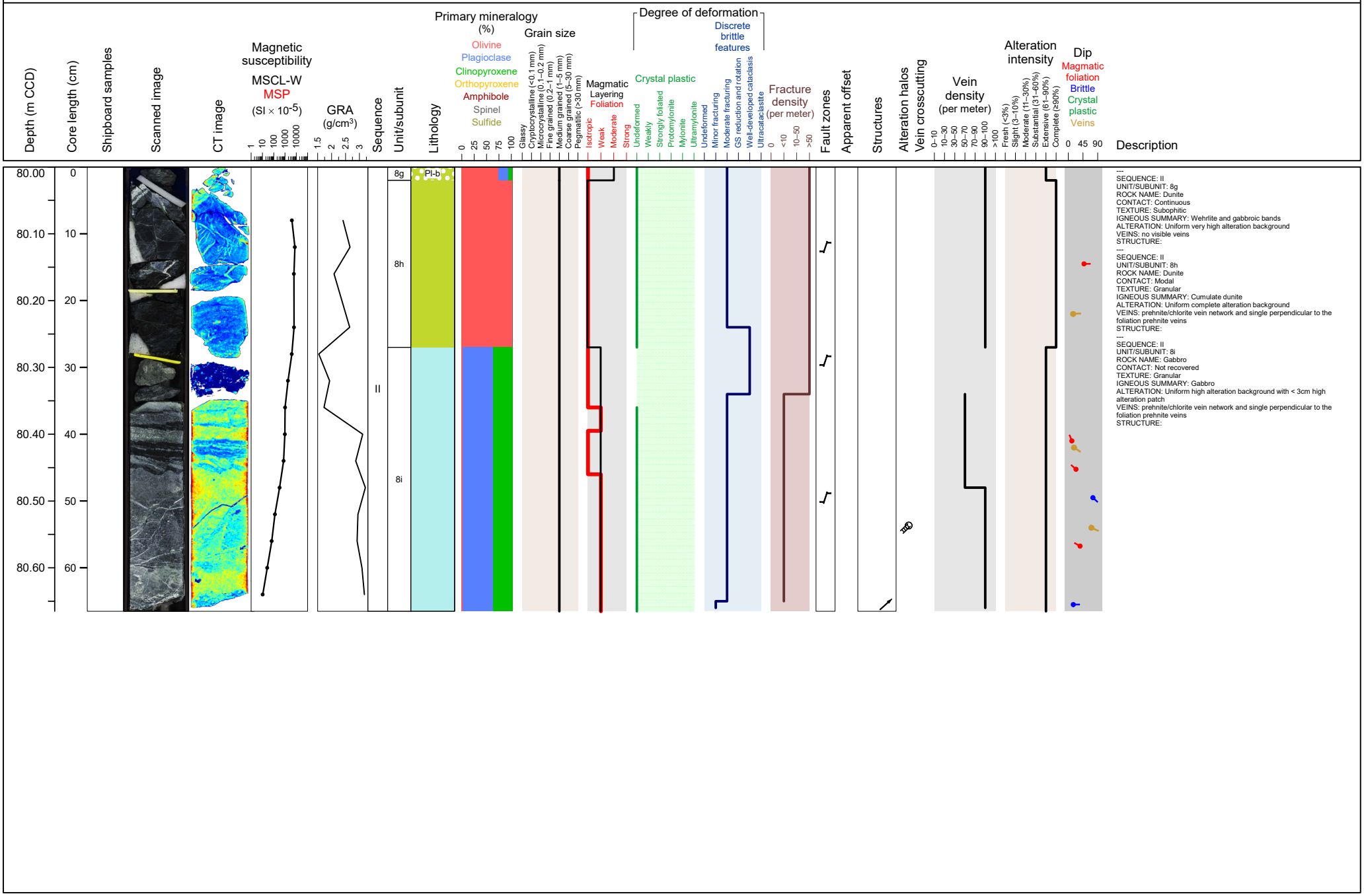
SEQUENCE: II
UNIT/SUBUNIT: 8d
ROCK NAME: Wehrlite
CONTACT: Continuous
TEXTURE: Subophitic
IGNEOUS SUMMARY: Wehrlite with plagioclase rich bands
ALTERATION: Uniform very high alteration background
VEINS: serpentine network
STRUCTURE:

SEQUENCE: II
UNIT/SUBUNIT: 8e
ROCK NAME: Gabbro
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Wehrlite with gabbroic bands
ALTERATION: Uniform very high alteration background
VEINS: prehnite/chlorite vein network and single perpendicular to the foliation prehnite veins
STRUCTURE:

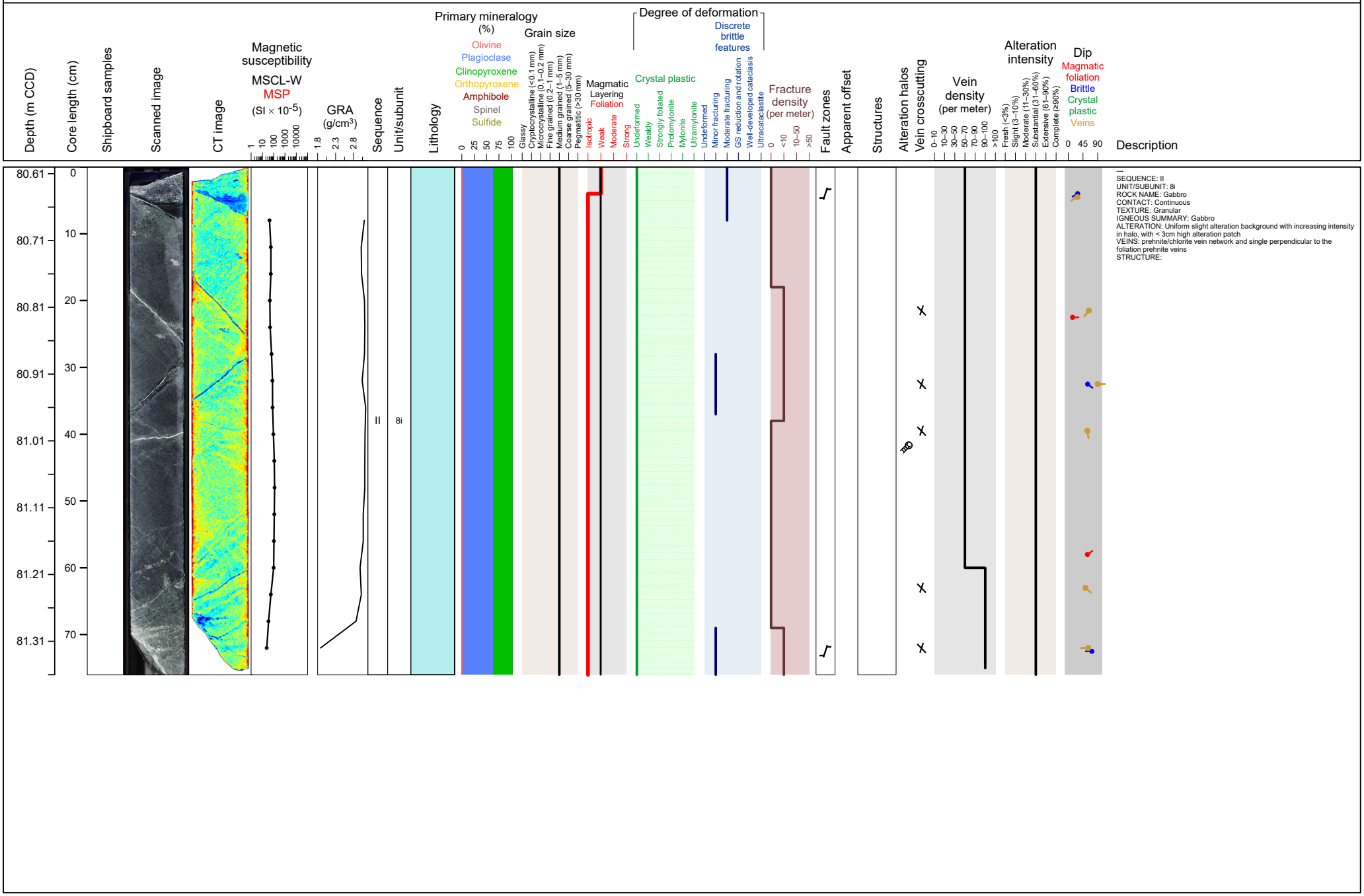
SEQUENCE: II
UNIT/SUBUNIT: 8f
ROCK NAME: Dunite
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Strongly foliated plagioclase-bearing dunite
ALTERATION: Uniform very high alteration background
VEINS: prehnite/chlorite vein network and single perpendicular to the foliation prehnite veins
STRUCTURE:

SEQUENCE: II
UNIT/SUBUNIT: 8g
ROCK NAME: Dunite
CONTACT: Modal
TEXTURE: Subophitic
IGNEOUS SUMMARY: Wehrlite and gabbroic bands
ALTERATION: Uniform very high alteration background
VEINS: prehnite/chlorite vein network and single perpendicular to the foliation prehnite veins
STRUCTURE:

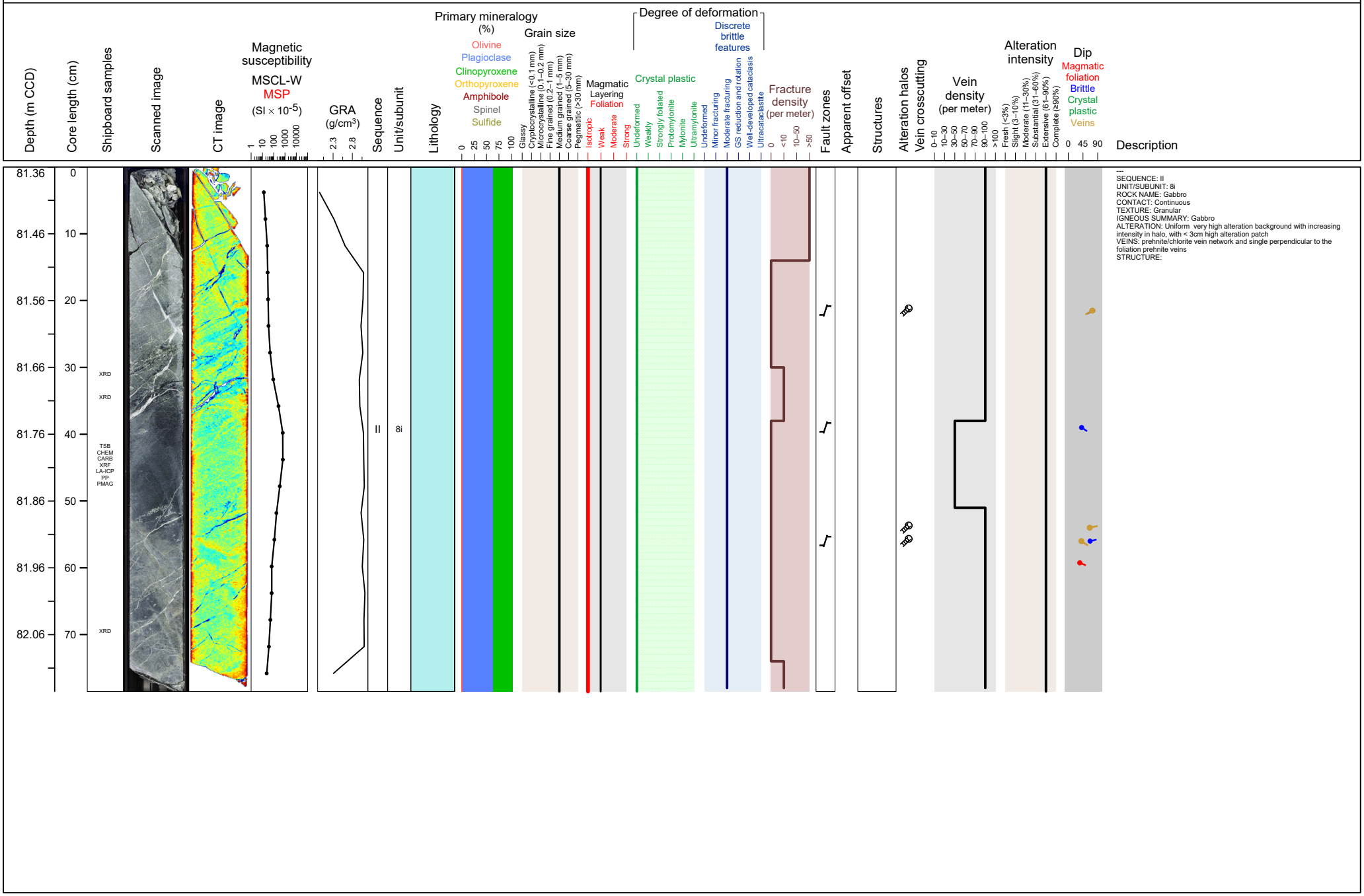
Hole CM2B-43Z Section 1, Top of Section 80.00 (m CCD)



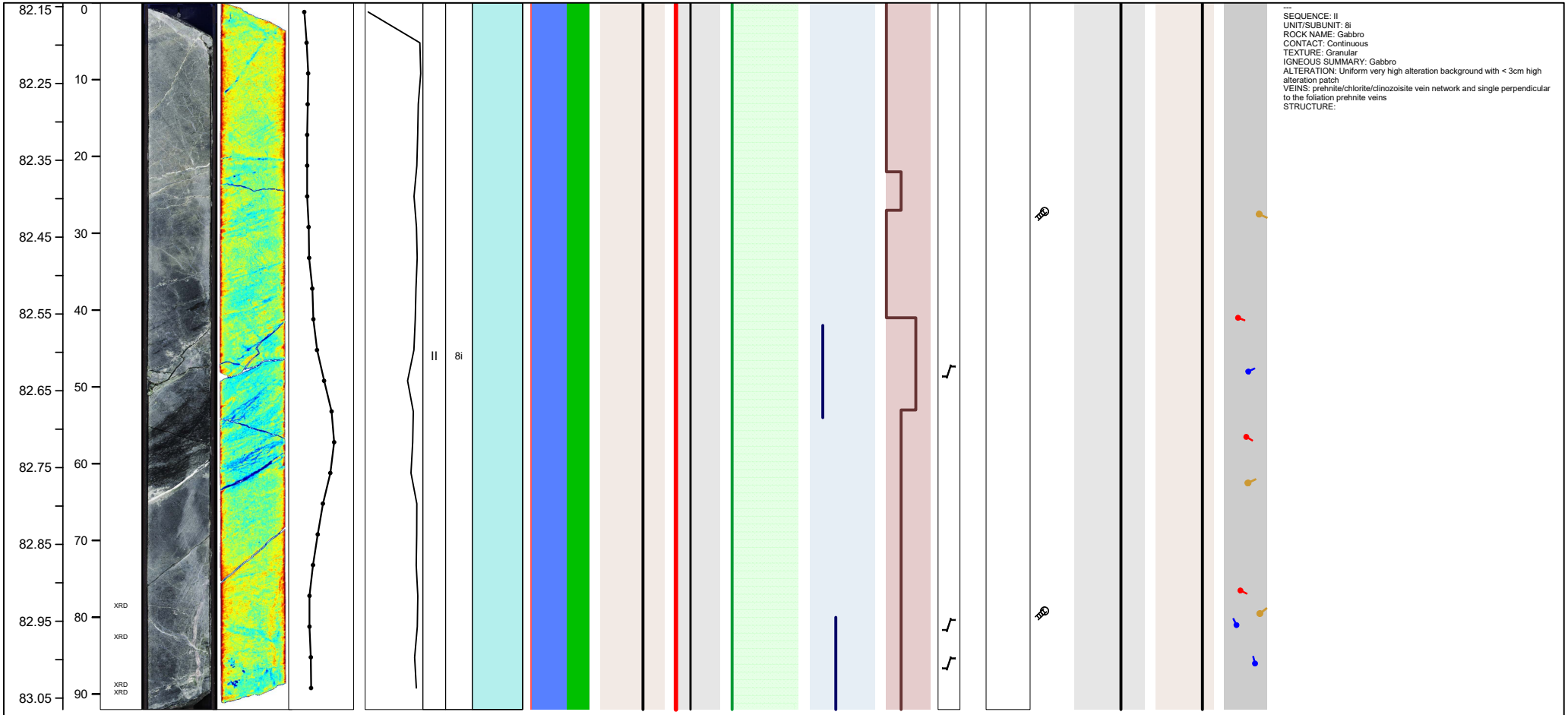
Hole CM2B-44Z Section 1, Top of Section 80.60 (m CCD)



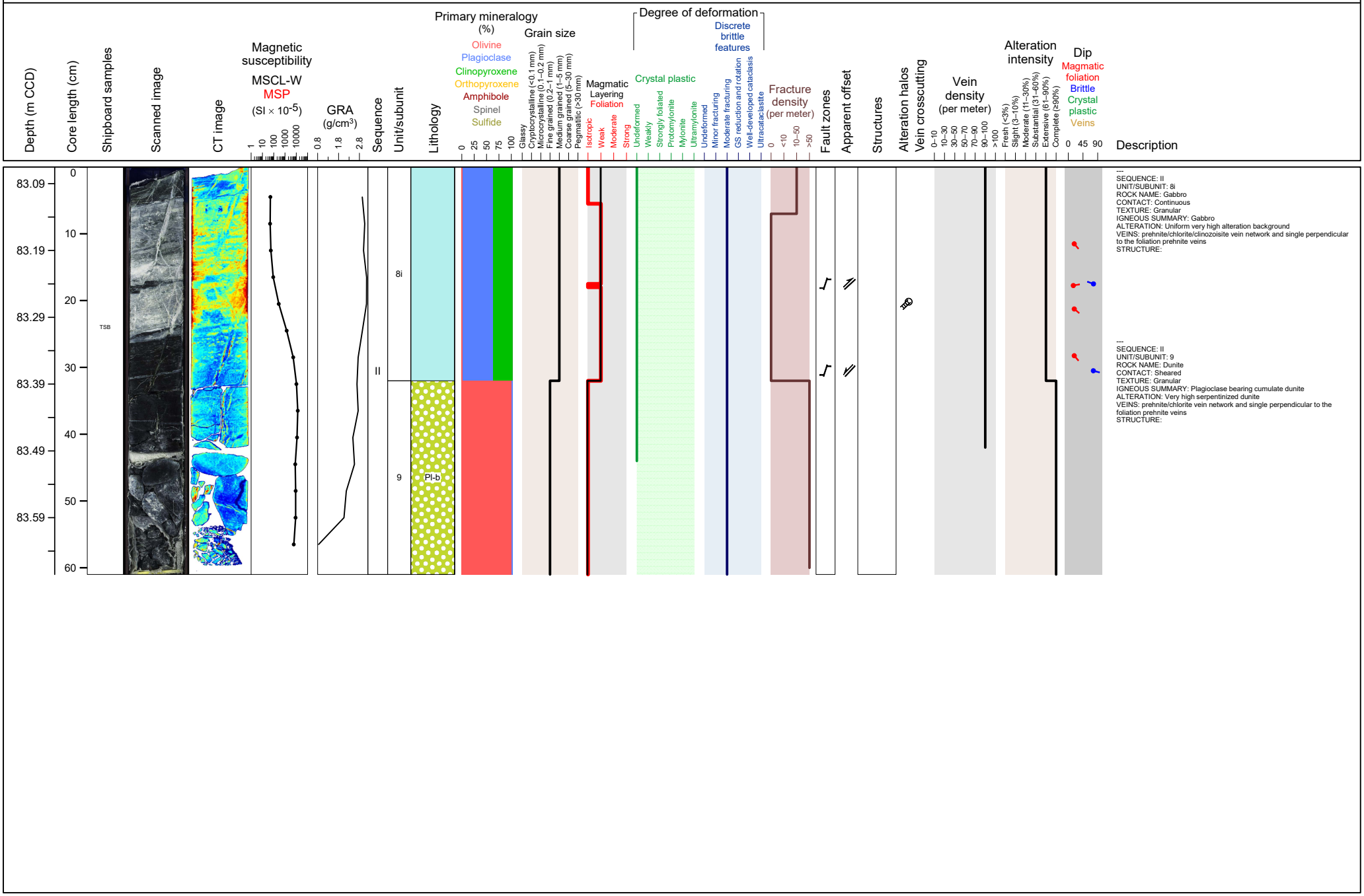
Hole CM2B-44Z Section 2, Top of Section 81.36 (m CCD)



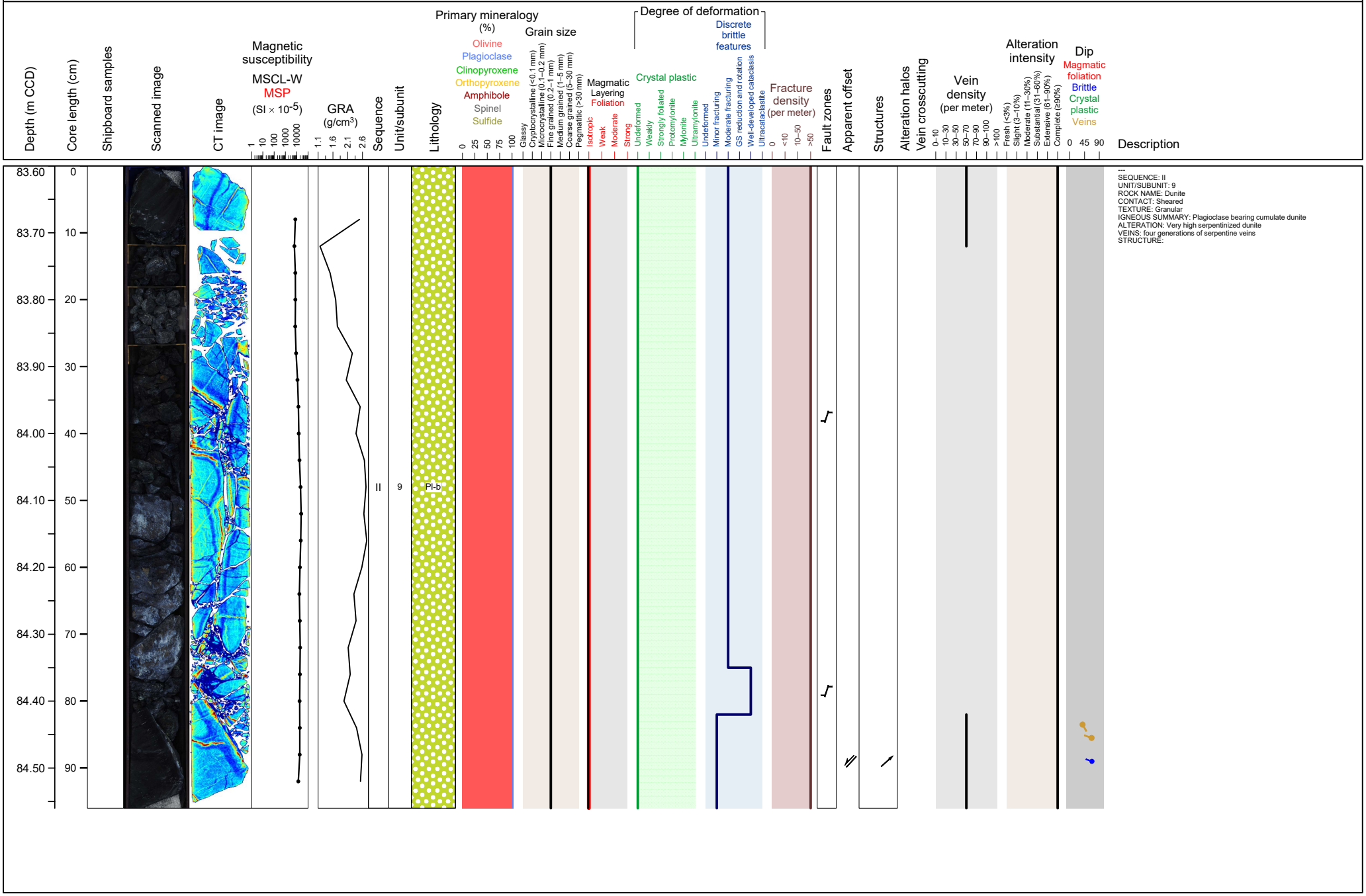
Hole CM2B-44Z Section 3, Top of Section 82.15 (m CCD)



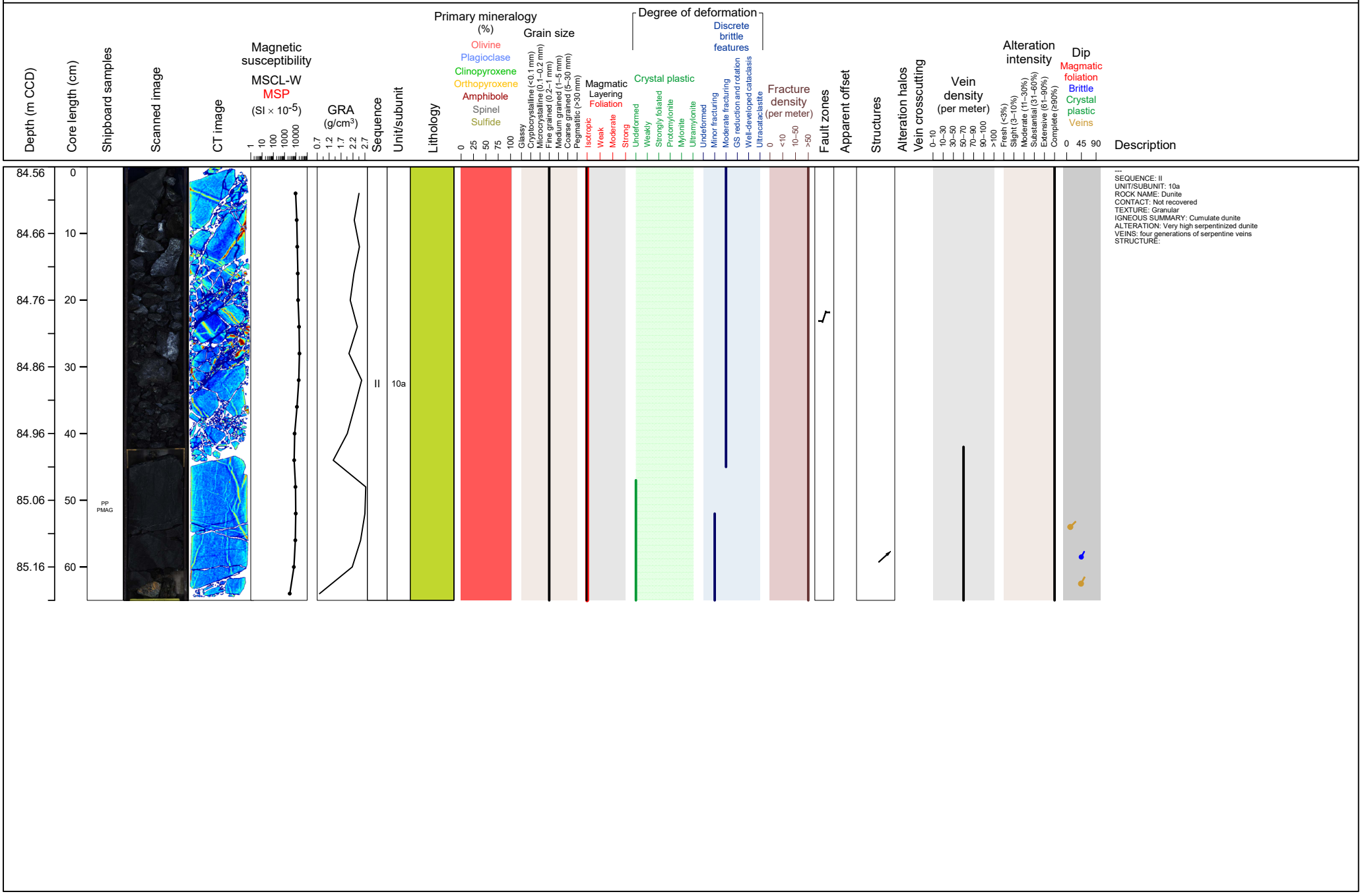
Hole CM2B-44Z Section 4, Top of Section 83.07 (m CCD)



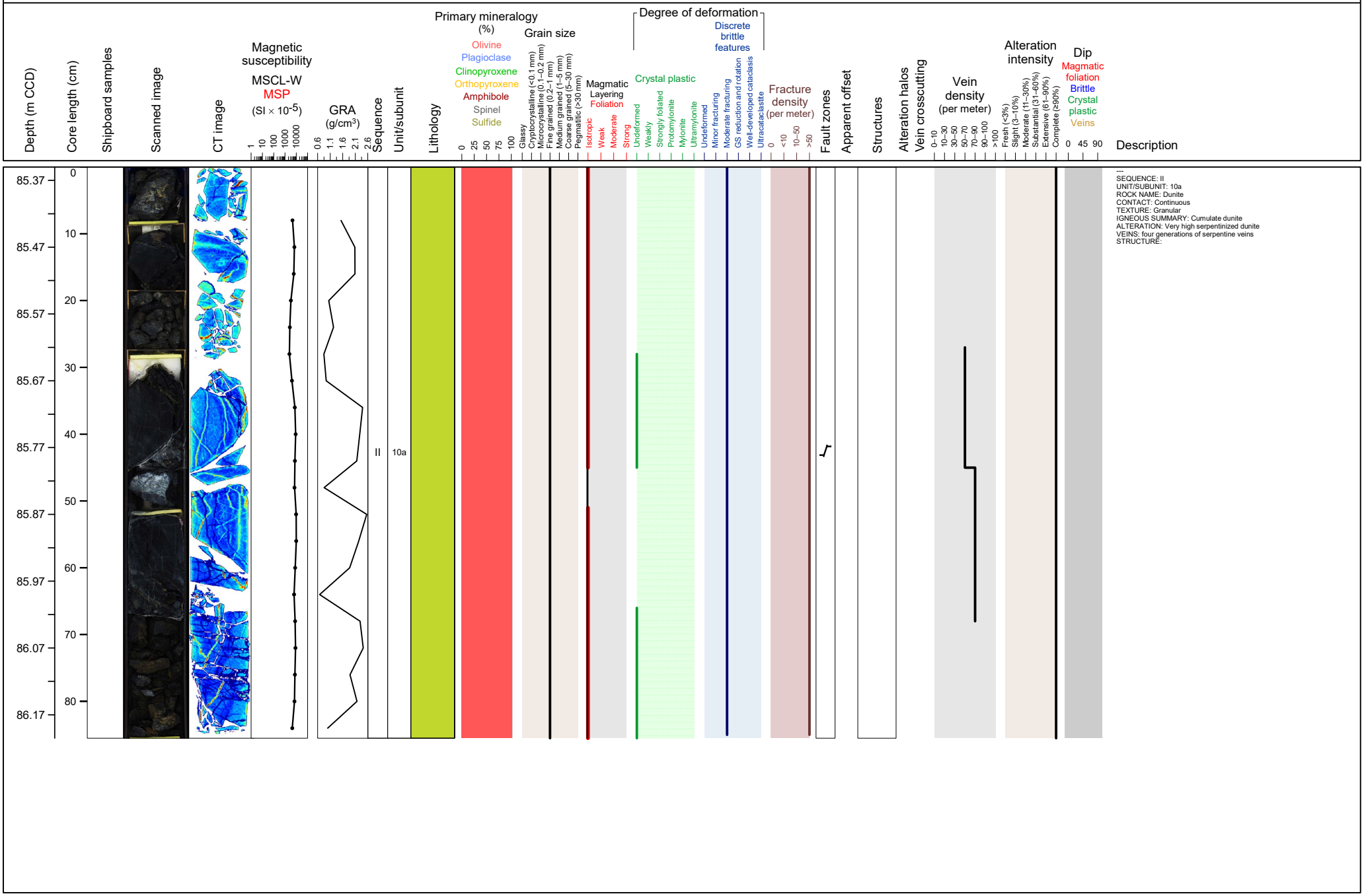
Hole CM2B-45Z Section 1, Top of Section 83.60 (m CCD)



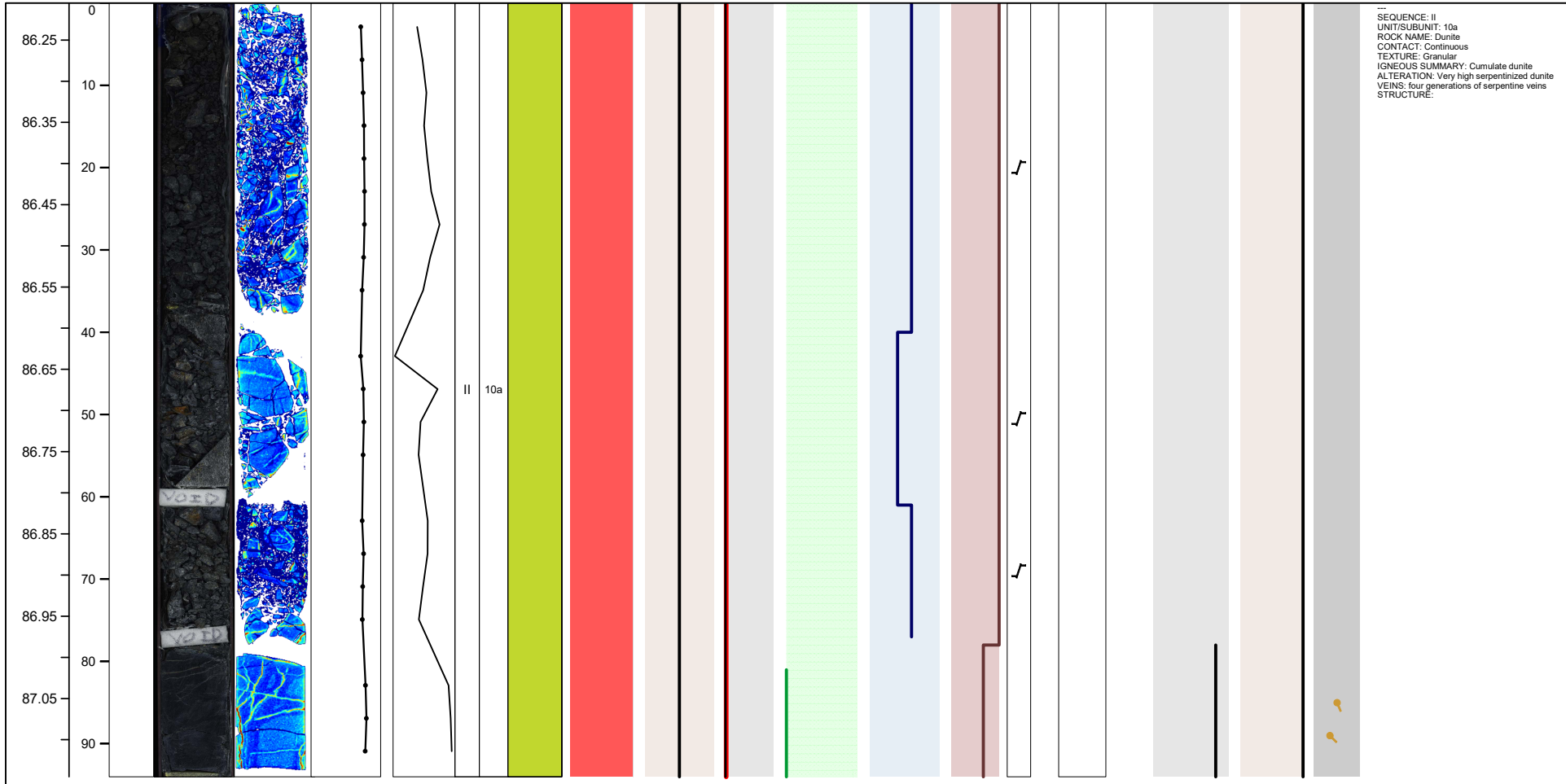
Hole CM2B-45Z Section 2, Top of Section 84.56 (m CCD)



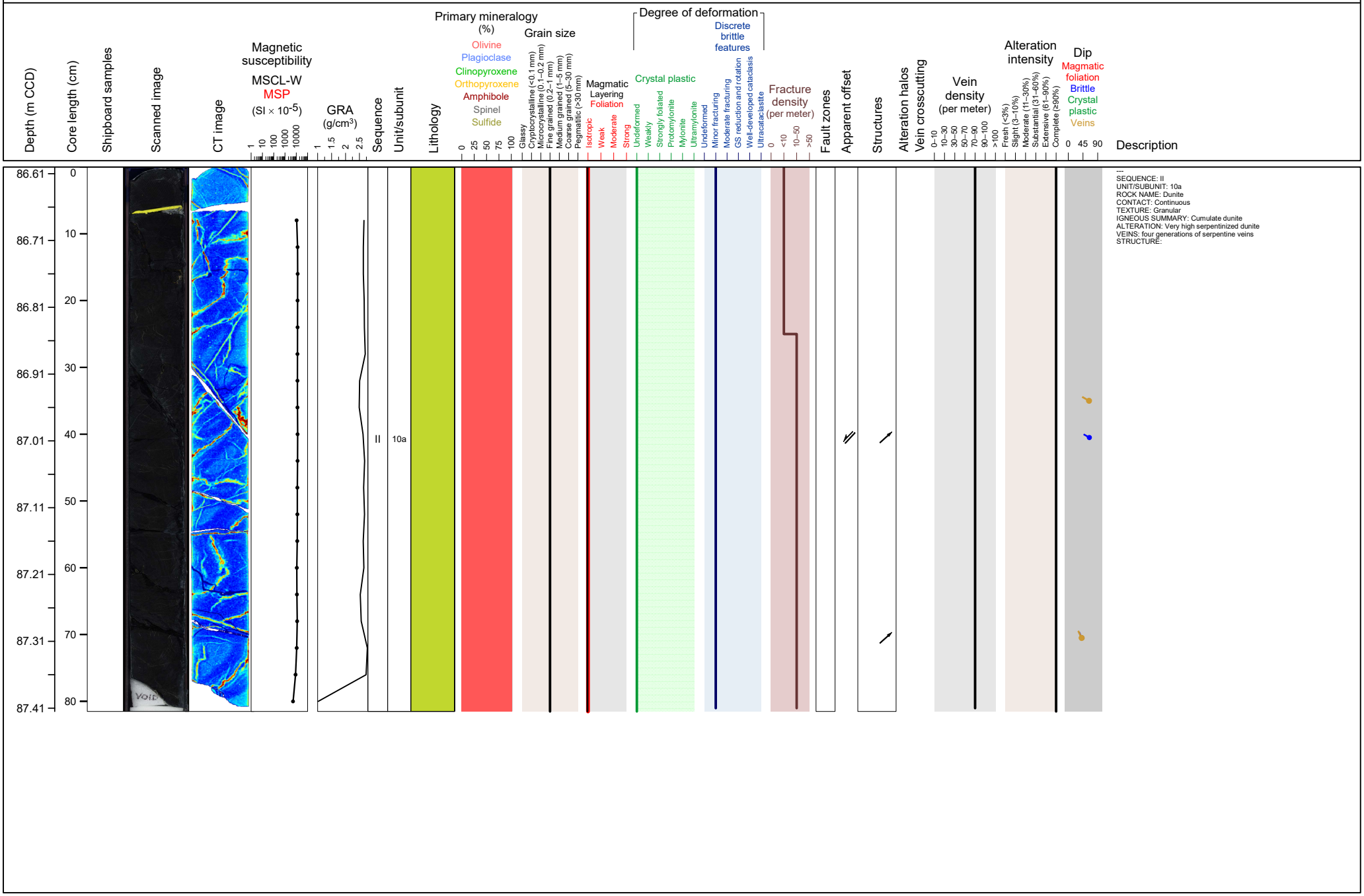
Hole CM2B-46Z Section 1, Top of Section 85.35 (m CCD)



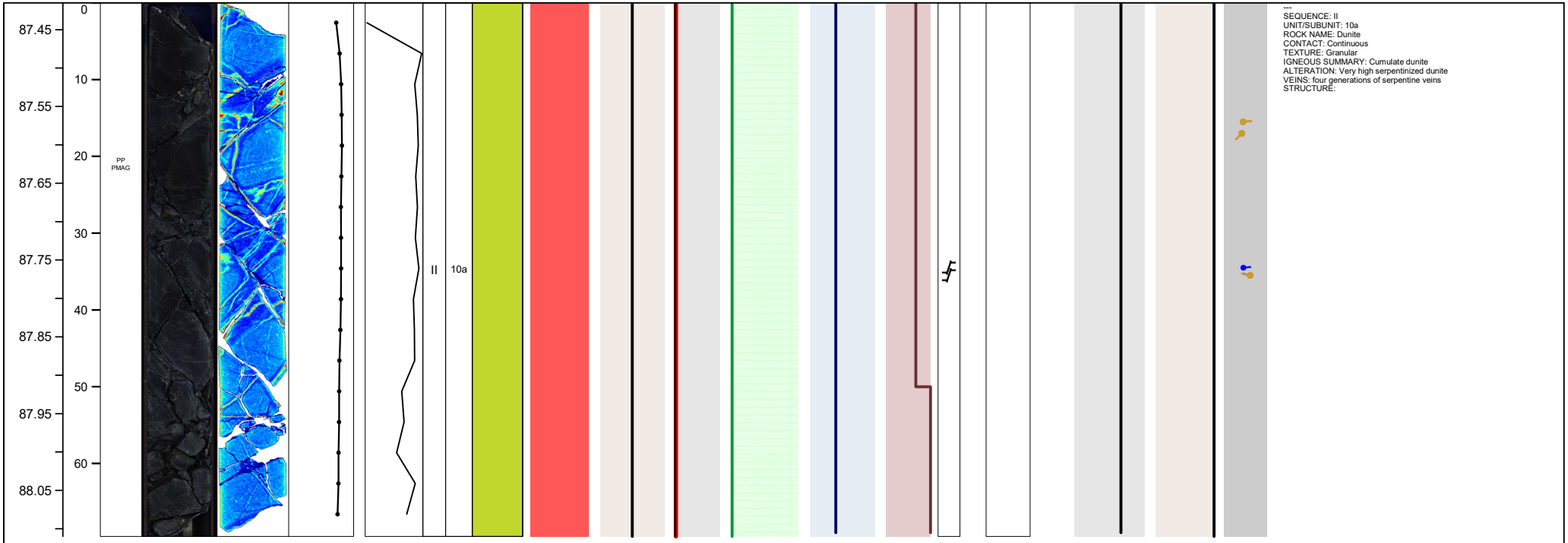
Hole CM2B-46Z Section 2, Top of Section 86.21 (m CCD)



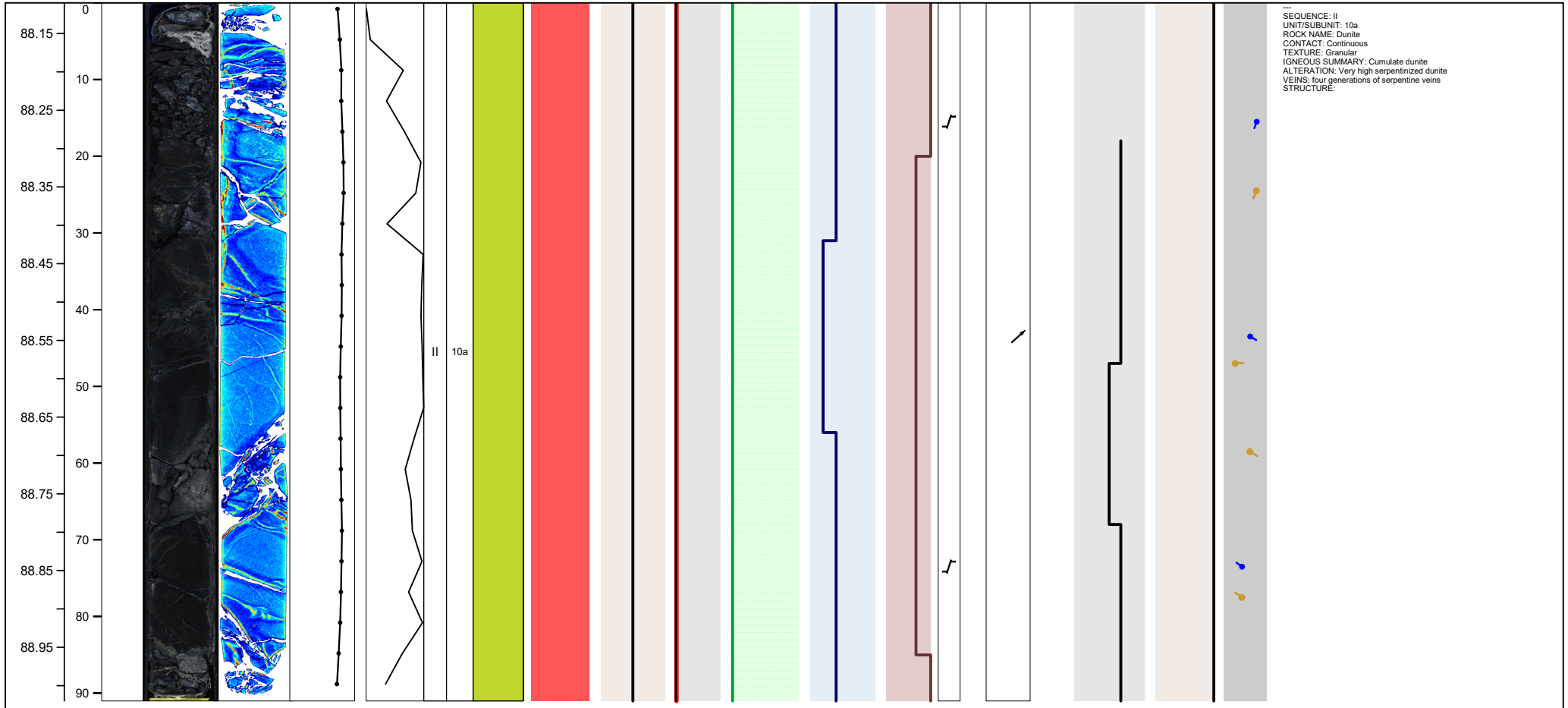
Hole CM2B-47Z Section 1, Top of Section 86.60 (m CCD)



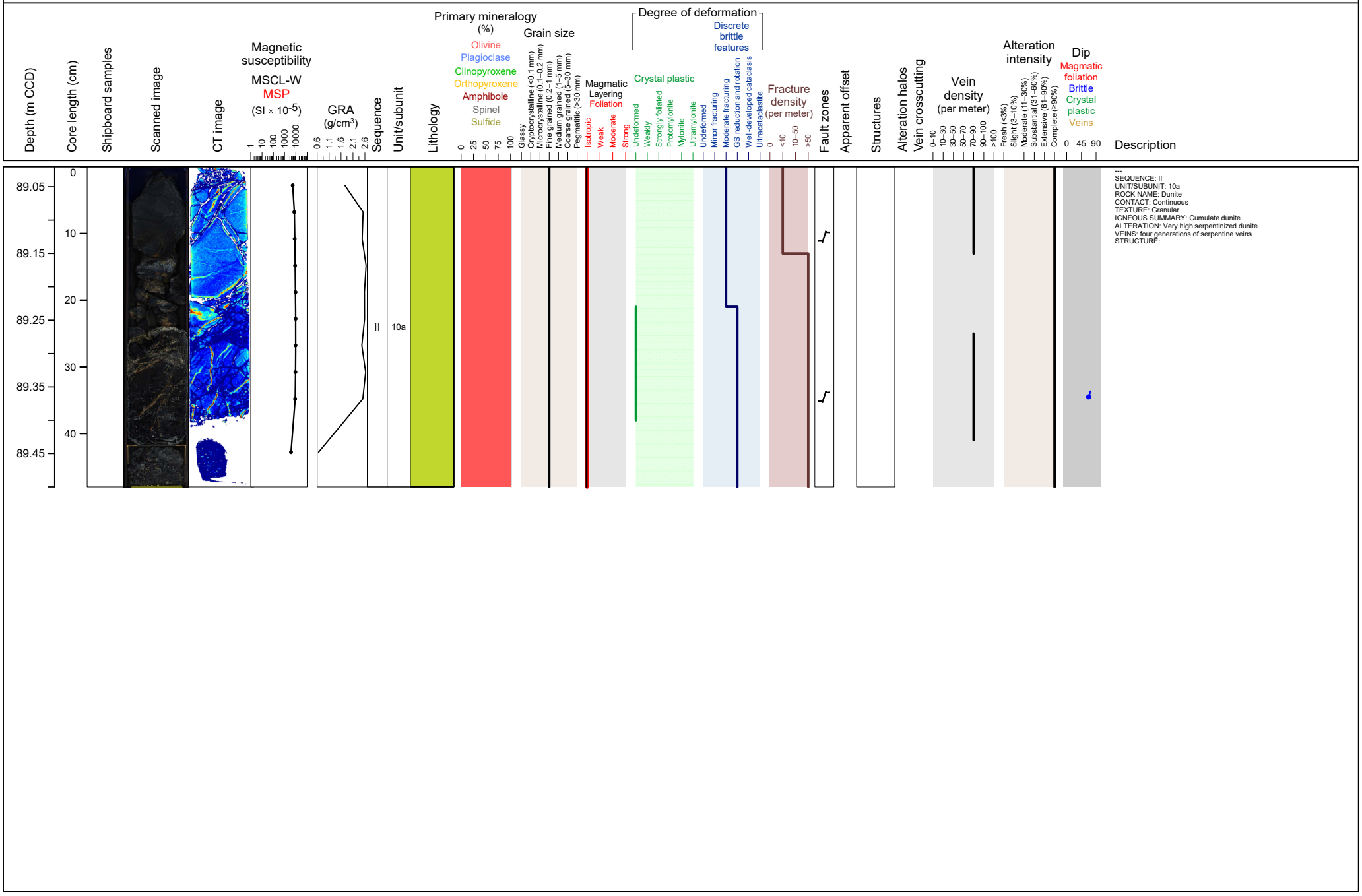
Hole CM2B-47Z Section 2, Top of Section 87.42 (m CCD)



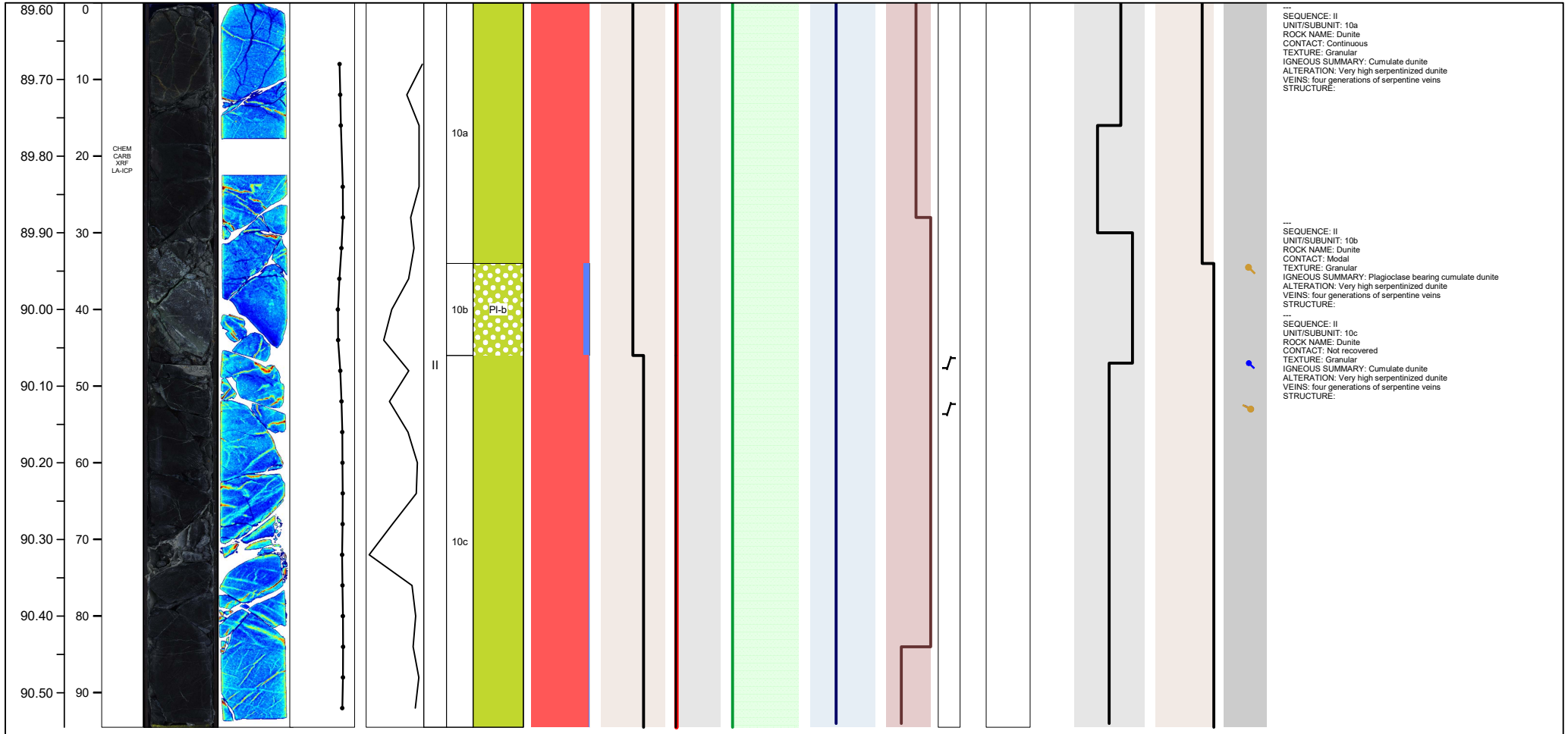
Hole CM2B-47Z Section 3, Top of Section 88.11 (m CCD)



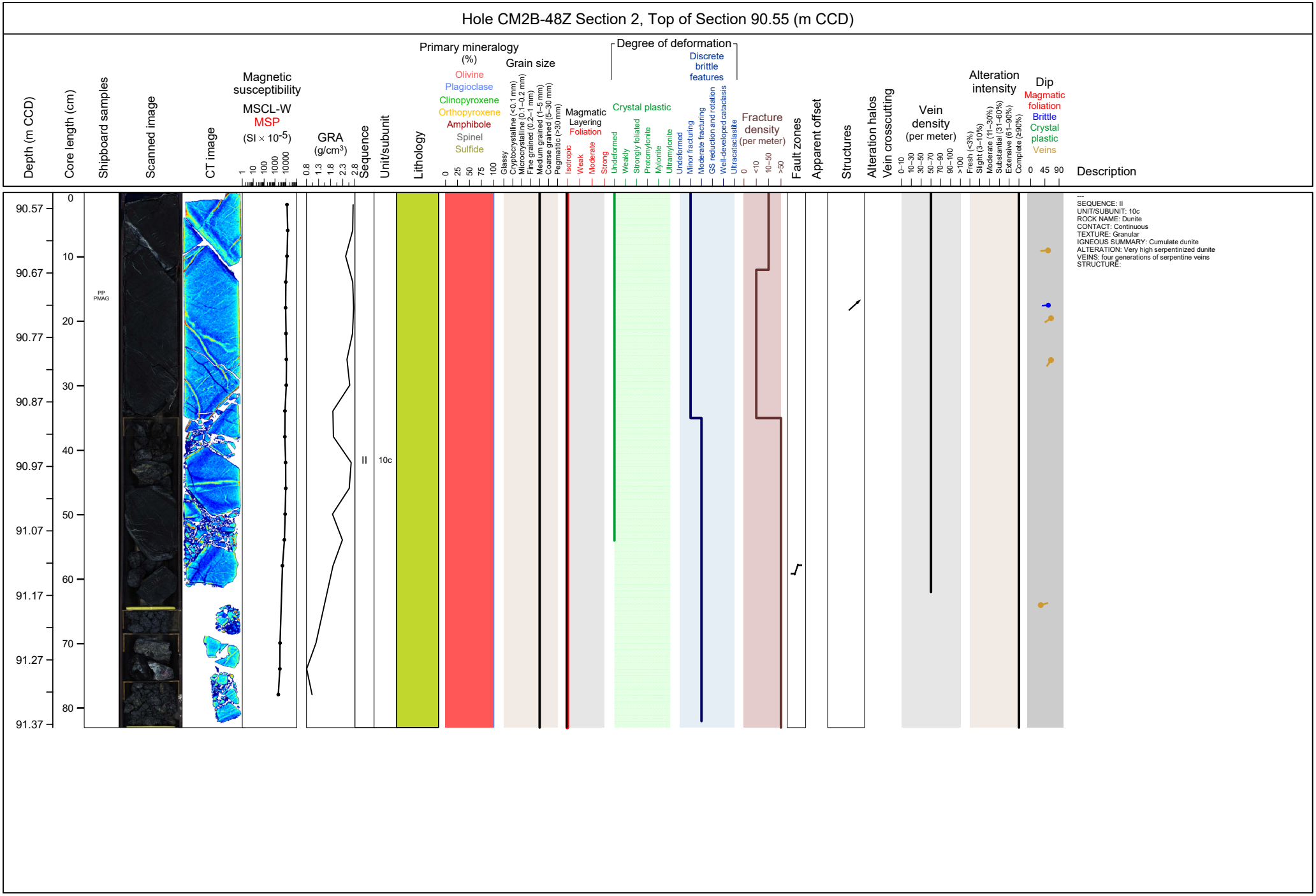
Hole CM2B-47Z Section 4, Top of Section 89.02 (m CCD)



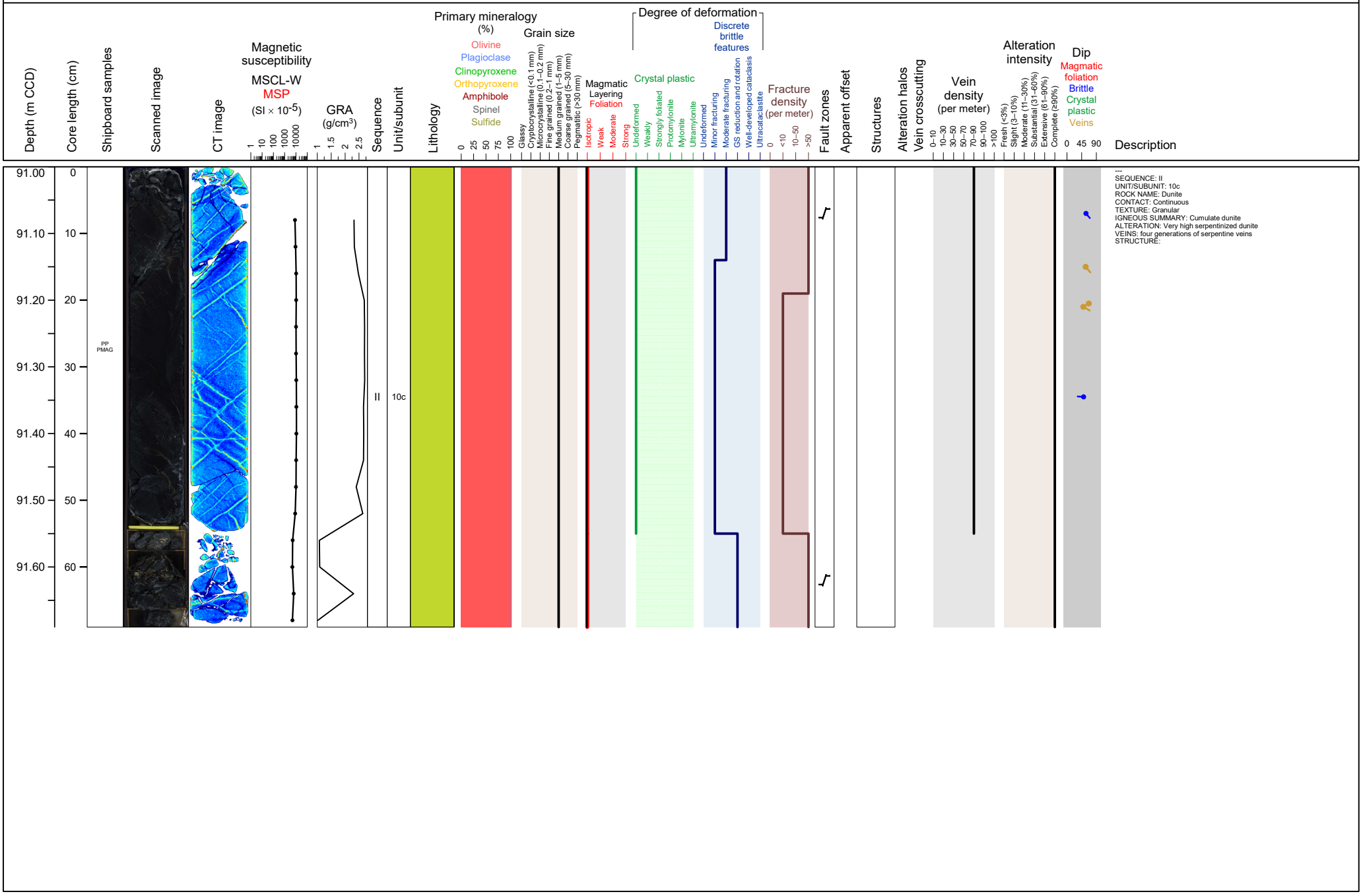
Hole CM2B-48Z Section 1, Top of Section 89.60 (m CCD)



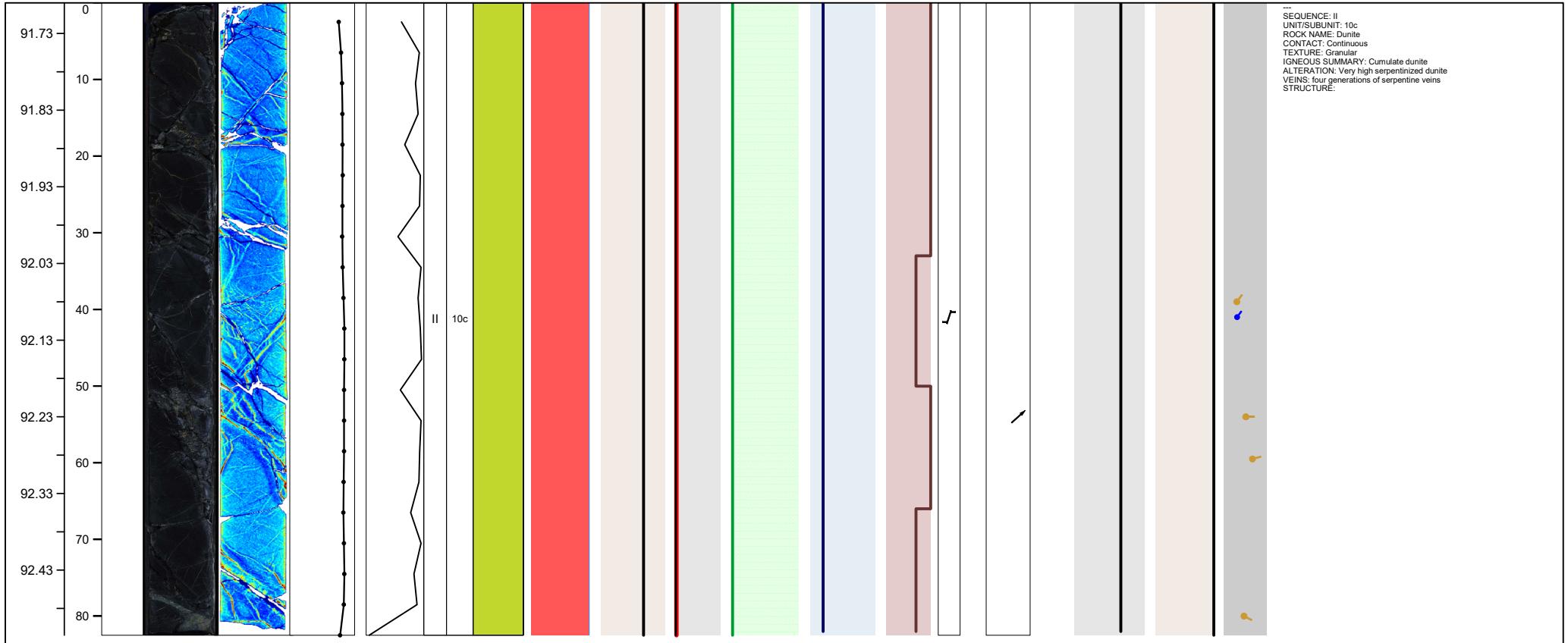
Hole CM2B-48Z Section 2, Top of Section 90.55 (m CCD)



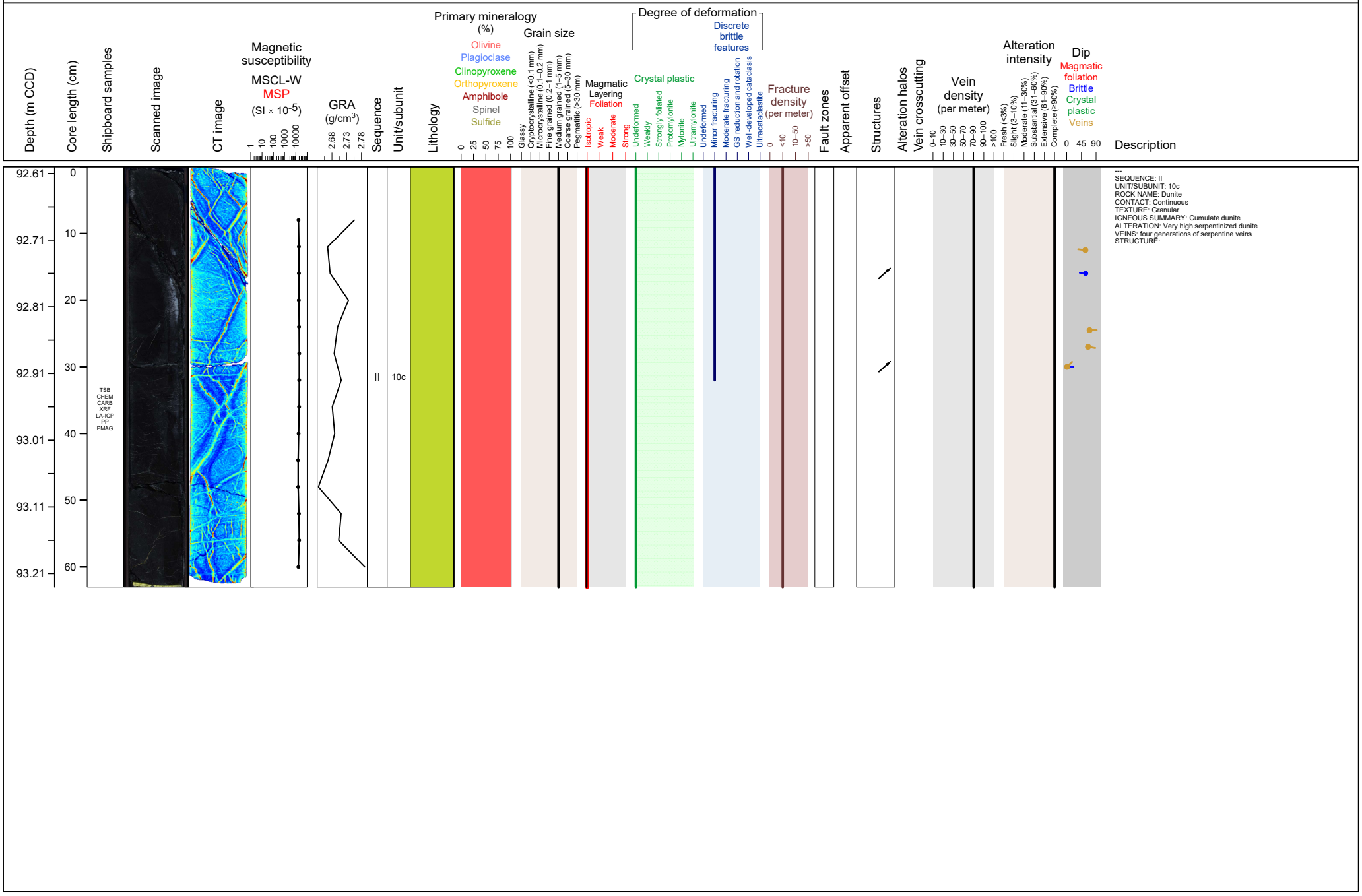
Hole CM2B-49Z Section 1, Top of Section 91.00 (m CCD)



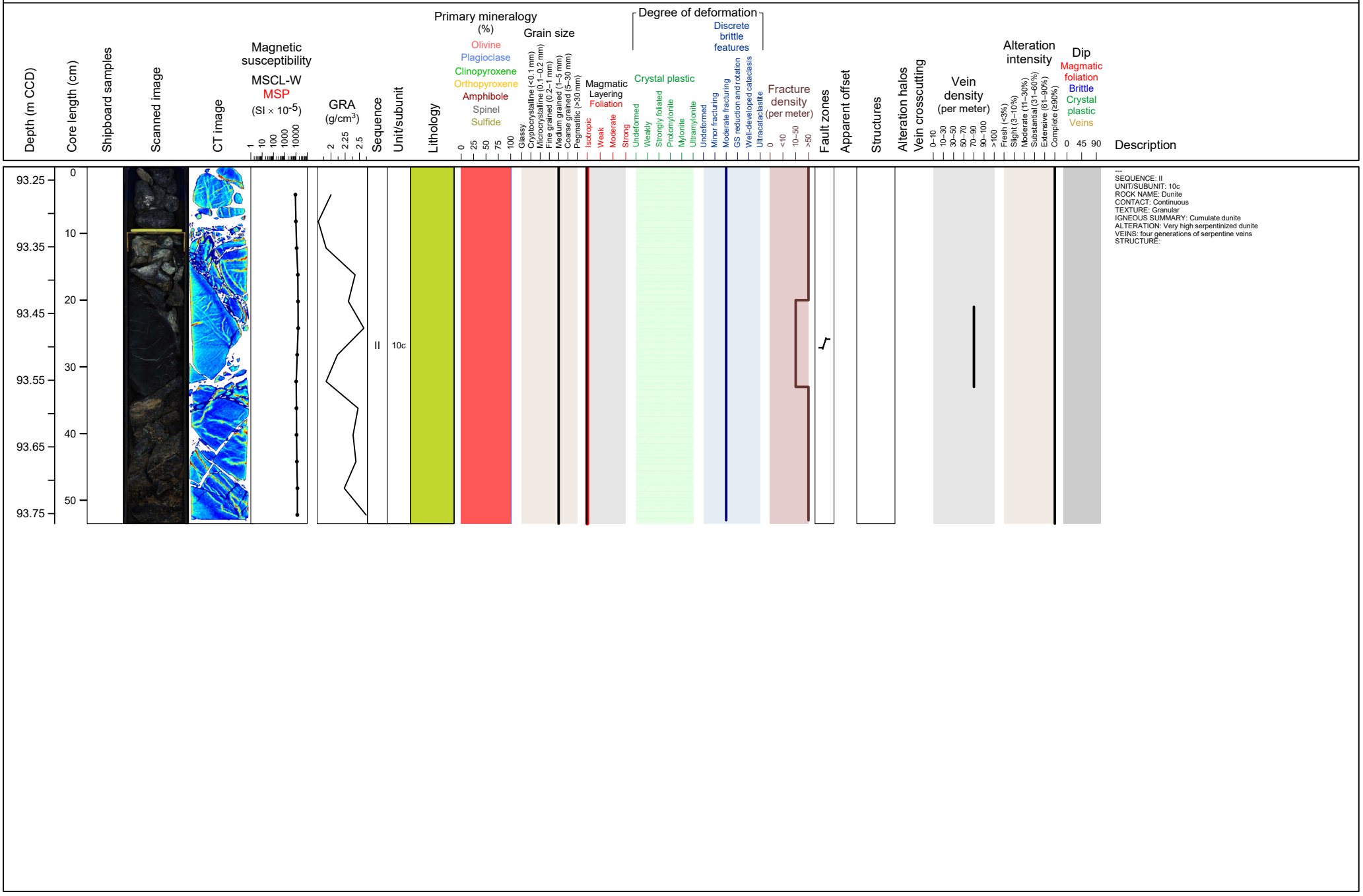
Hole CM2B-49Z Section 2, Top of Section 91.69 (m CCD)



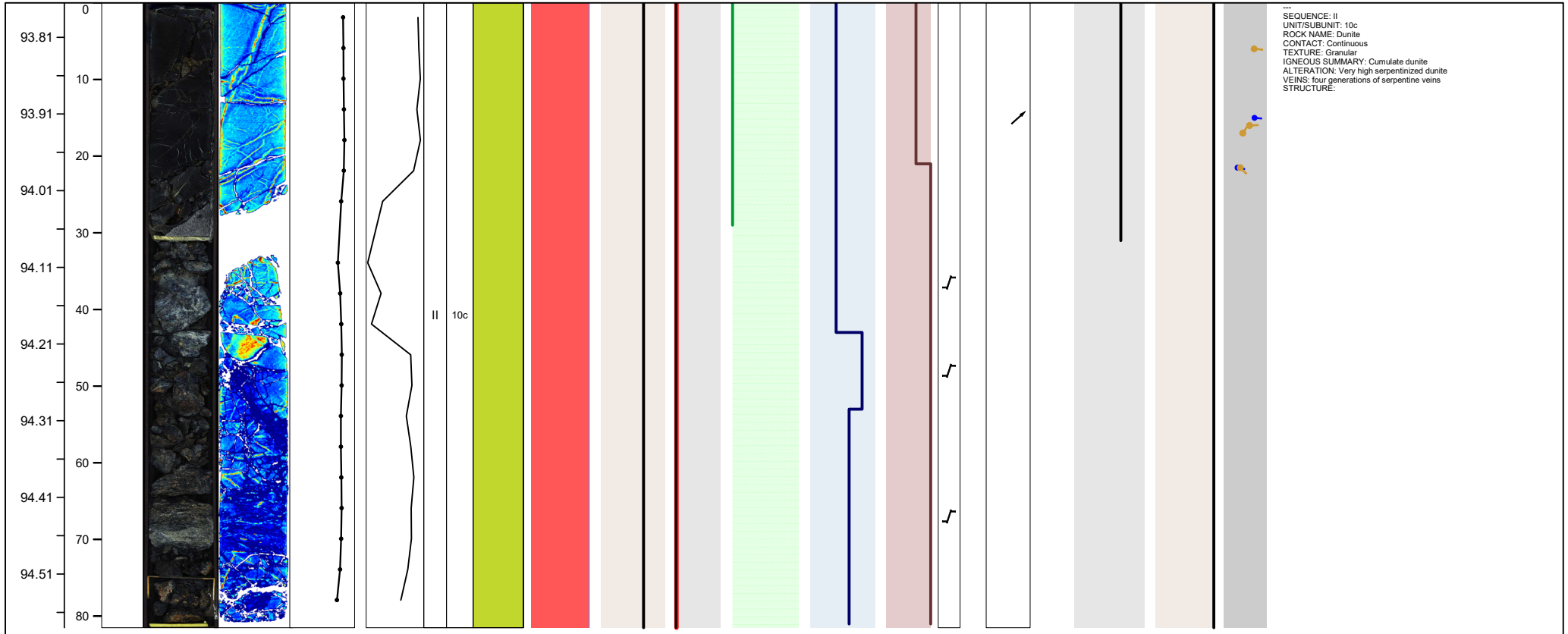
Hole CM2B-50Z Section 1, Top of Section 92.60 (m CCD)



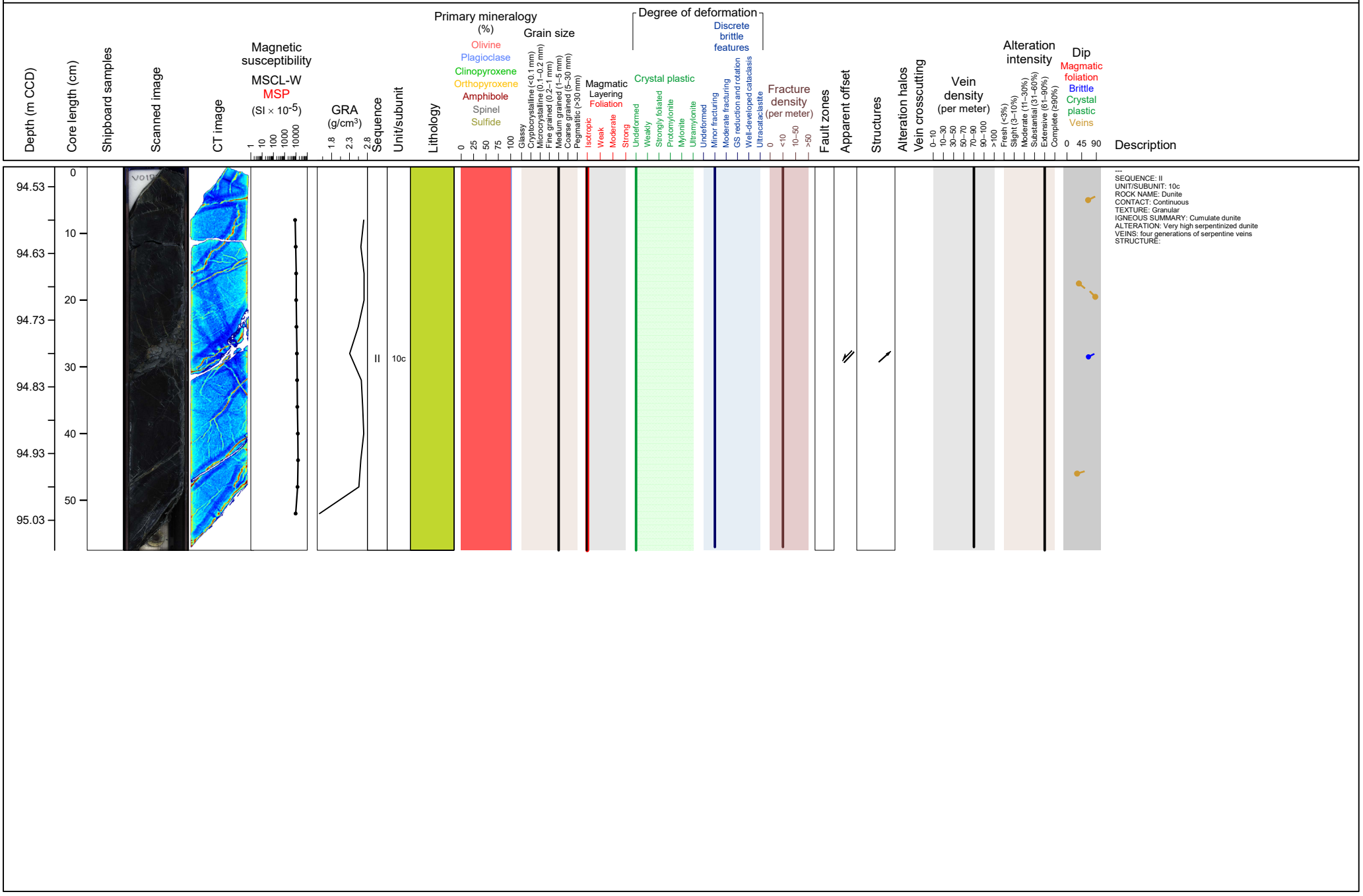
Hole CM2B-50Z Section 2, Top of Section 93.23 (m CCD)



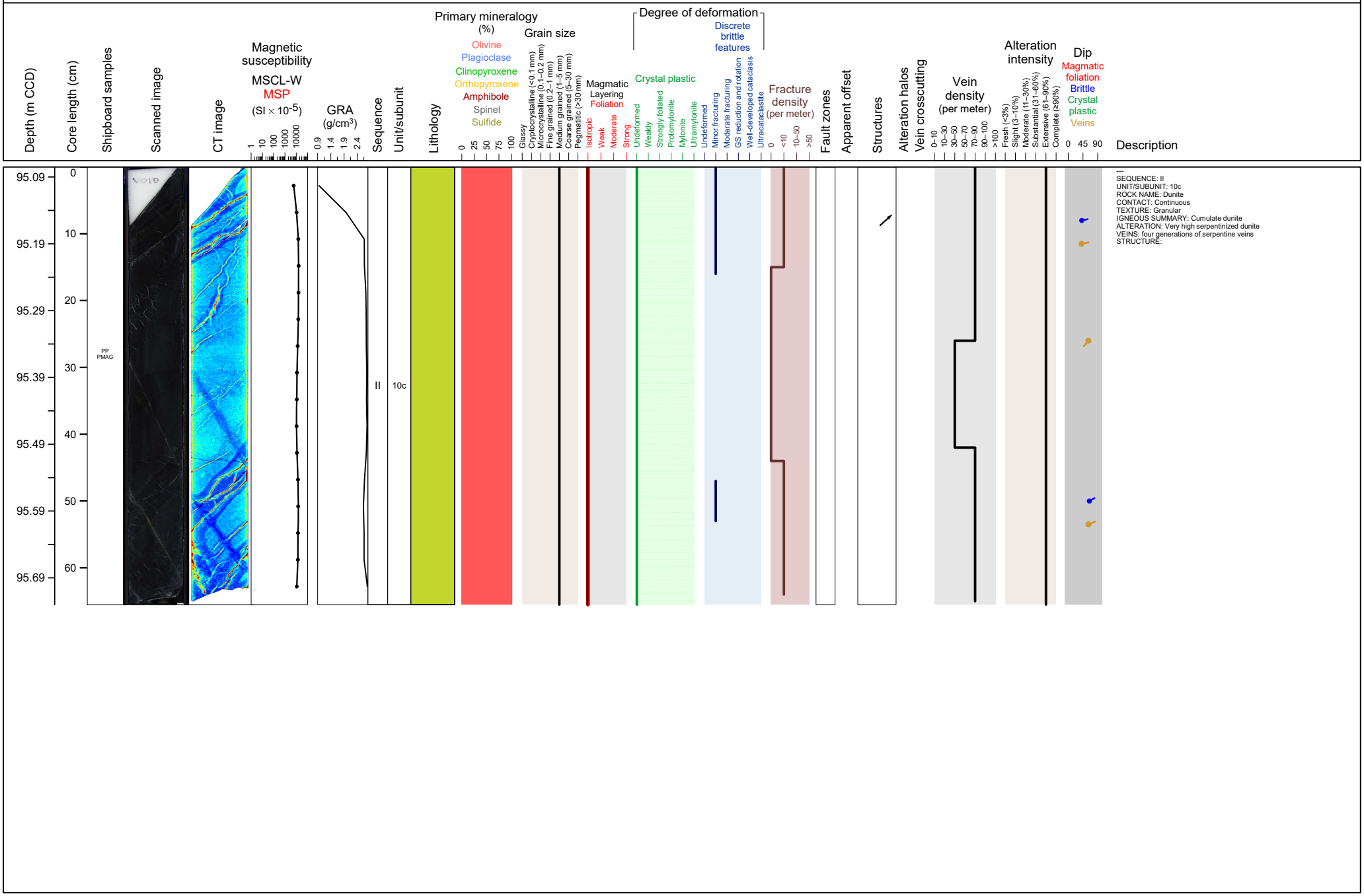
Hole CM2B-50Z Section 3, Top of Section 93.77 (m CCD)



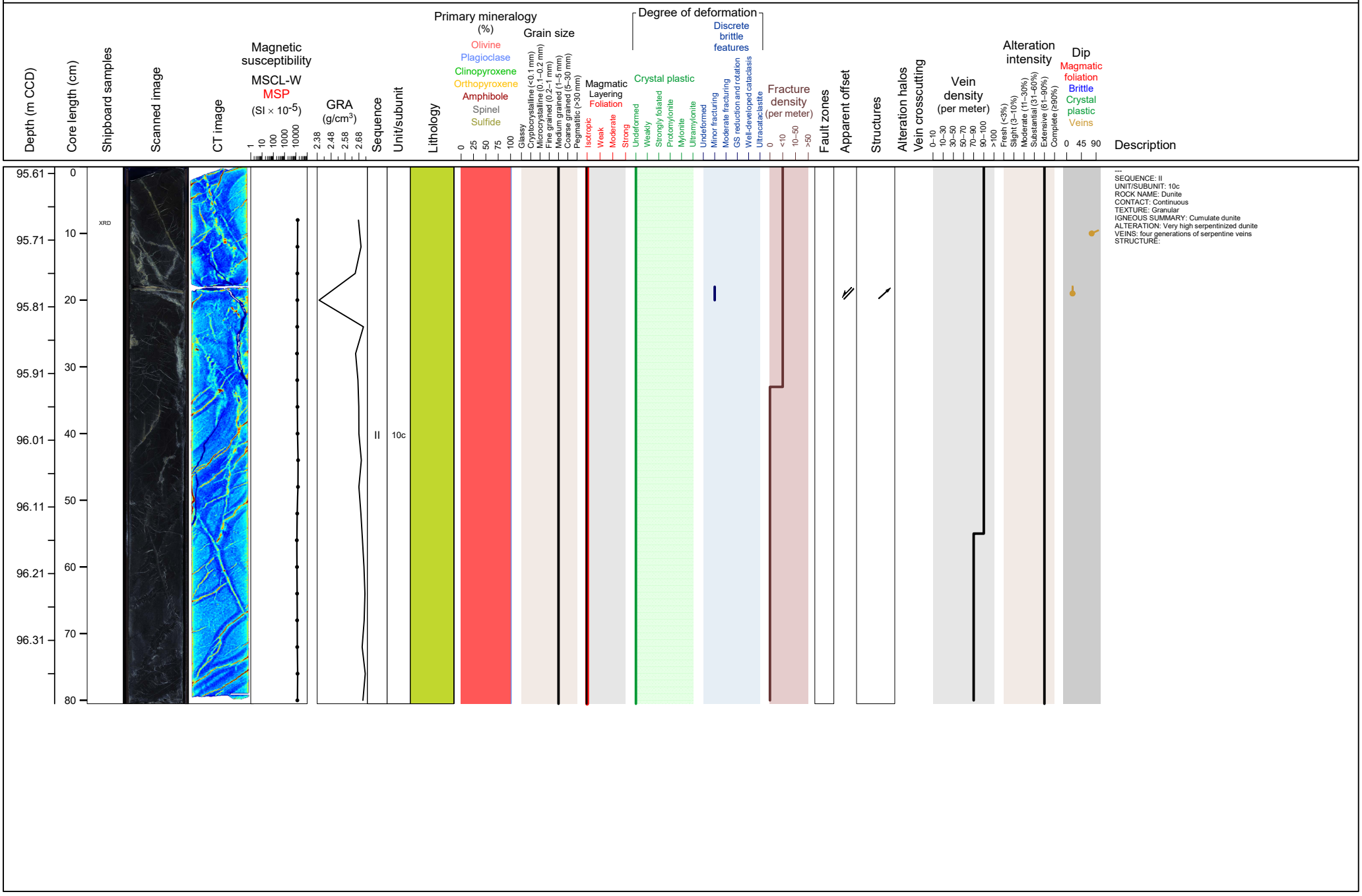
Hole CM2B-51Z Section 1, Top of Section 94.50 (m CCD)



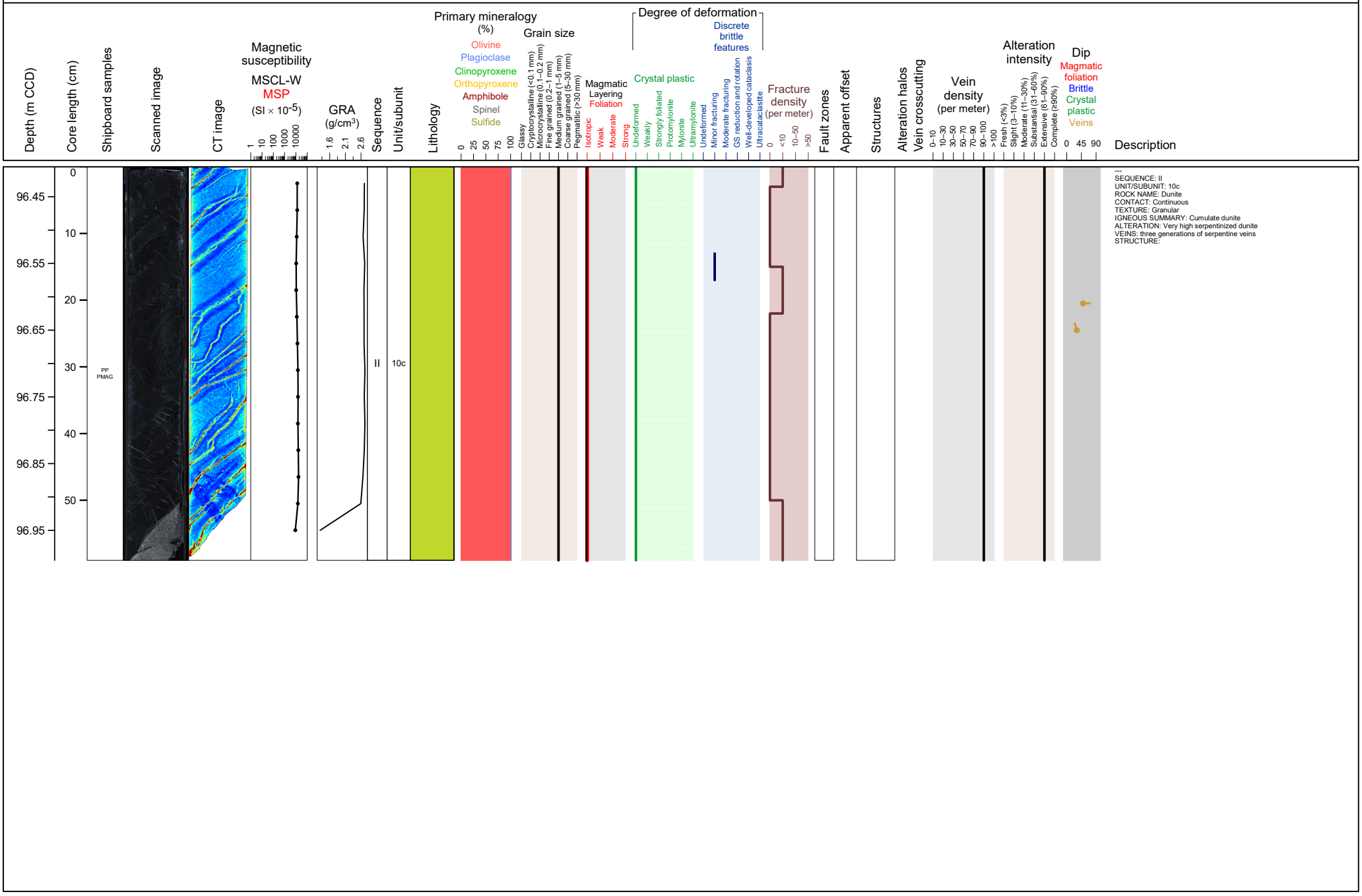
Hole CM2B-51Z Section 2, Top of Section 95.08 (m CCD)



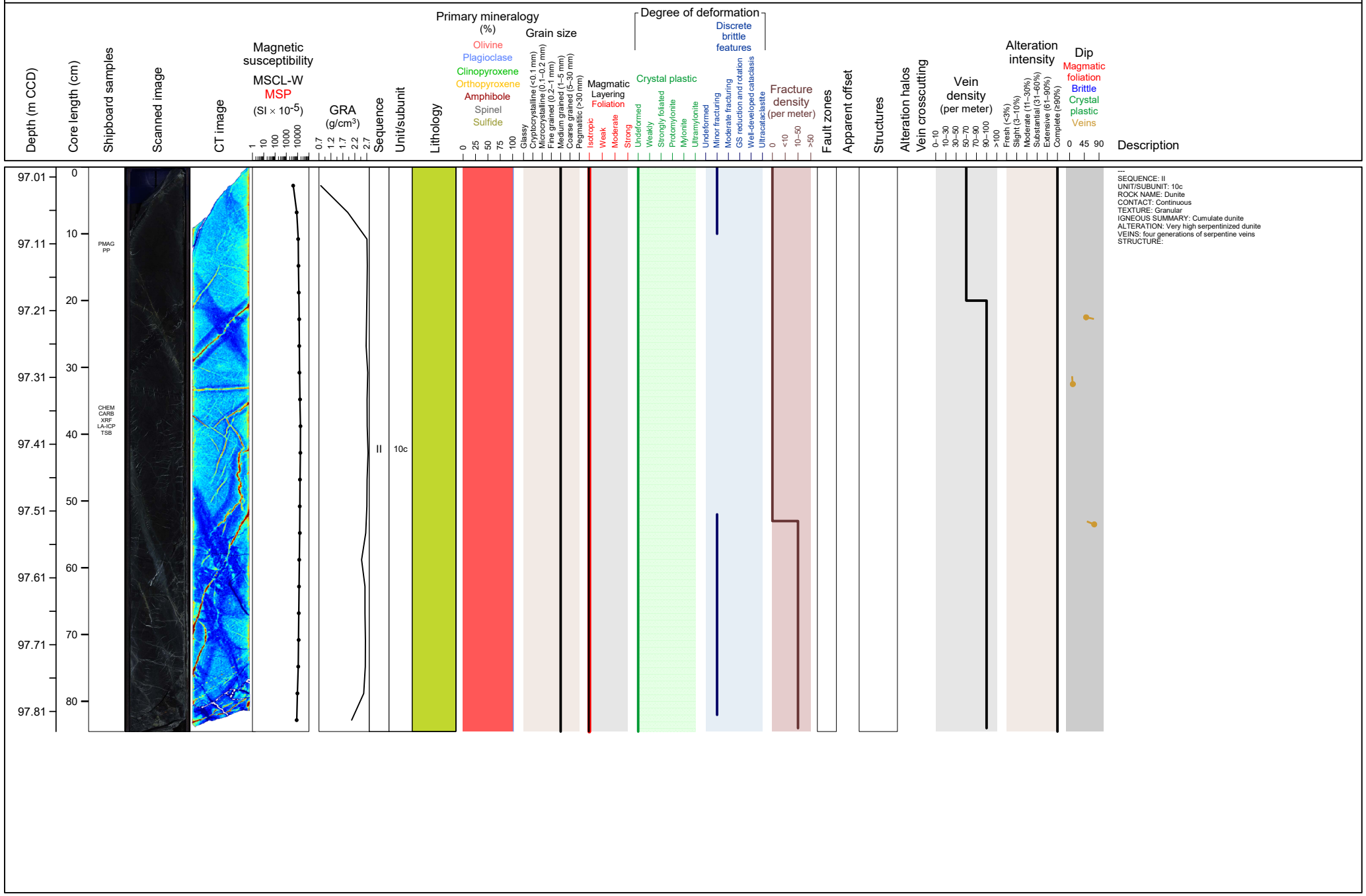
Hole CM2B-52Z Section 1, Top of Section 95.60 (m CCD)



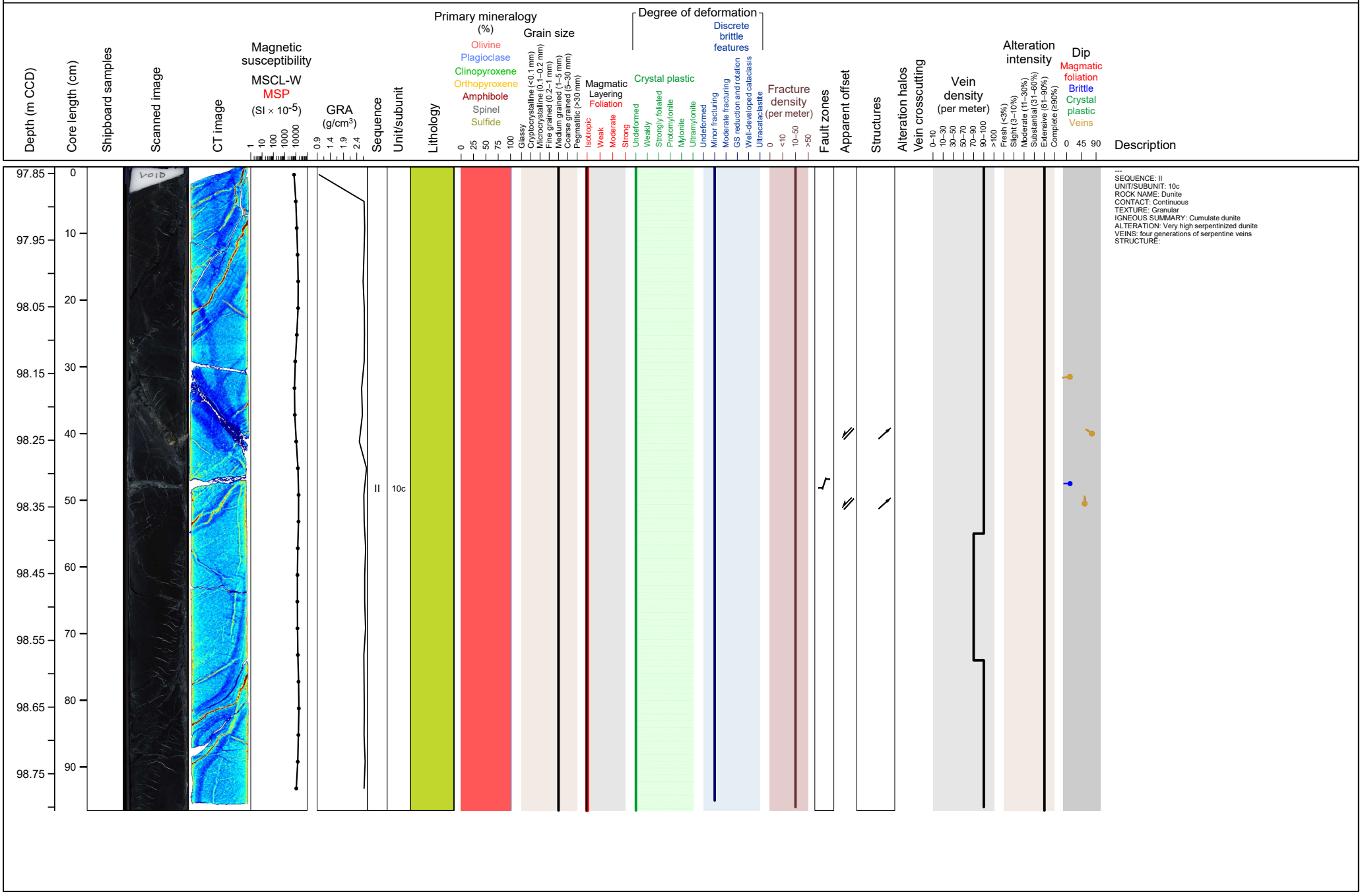
Hole CM2B-52Z Section 2, Top of Section 96.41 (m CCD)



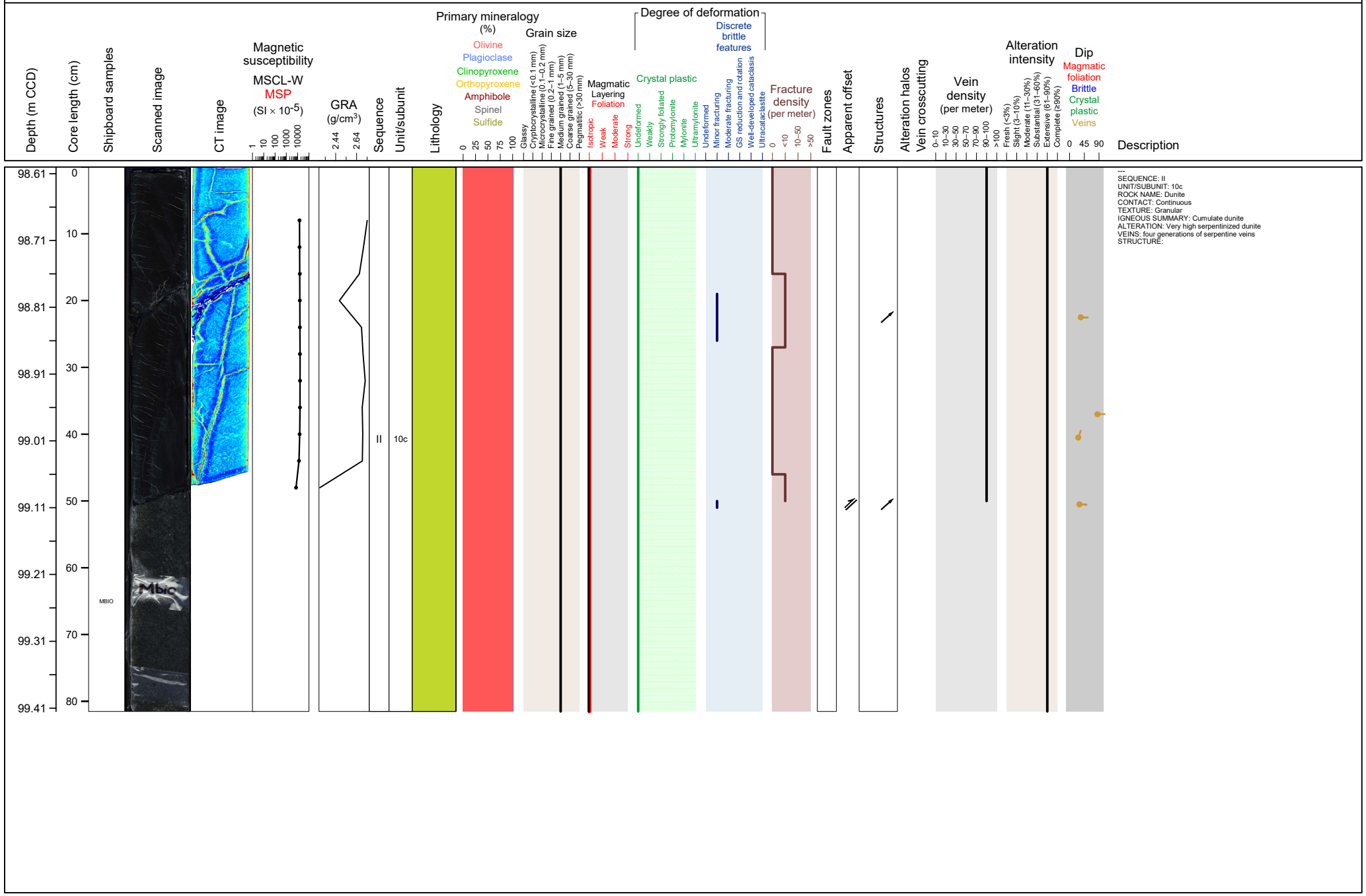
Hole CM2B-52Z Section 3, Top of Section 97.00 (m CCD)



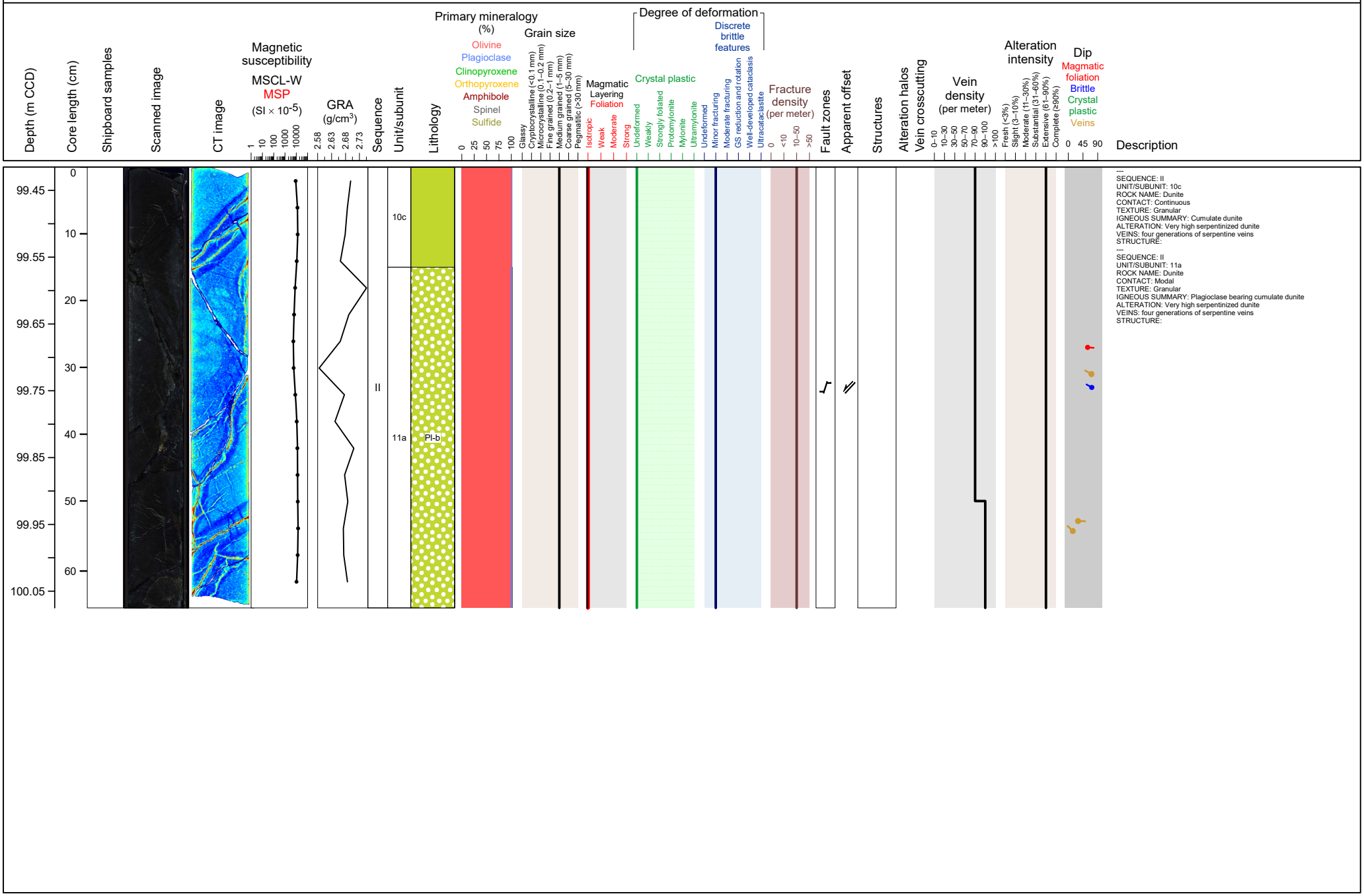
Hole CM2B-52Z Section 4, Top of Section 97.84 (m CCD)



Hole CM2B-53Z Section 1, Top of Section 98.60 (m CCD)



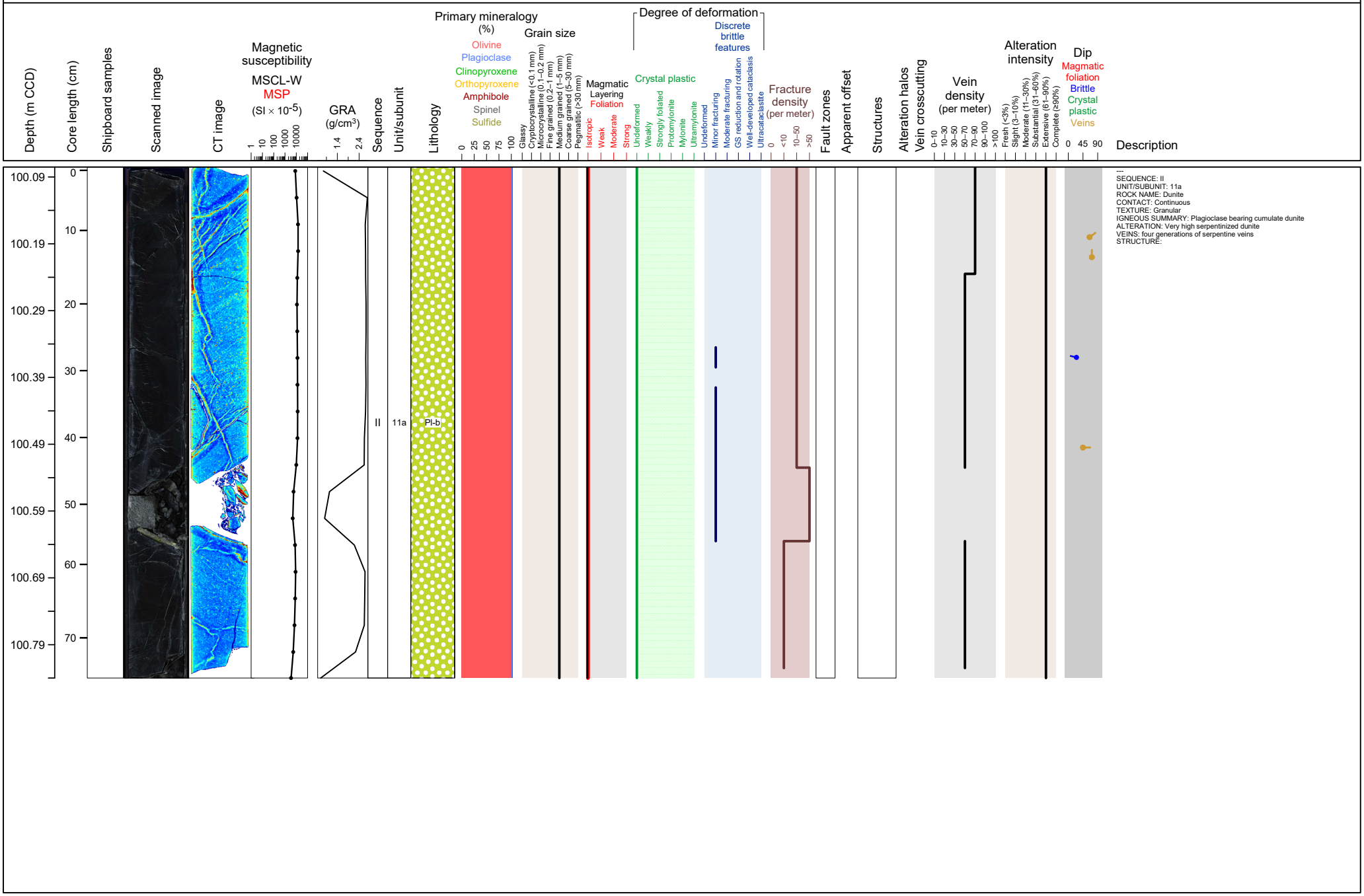
Hole CM2B-53Z Section 2, Top of Section 99.42 (m CCD)



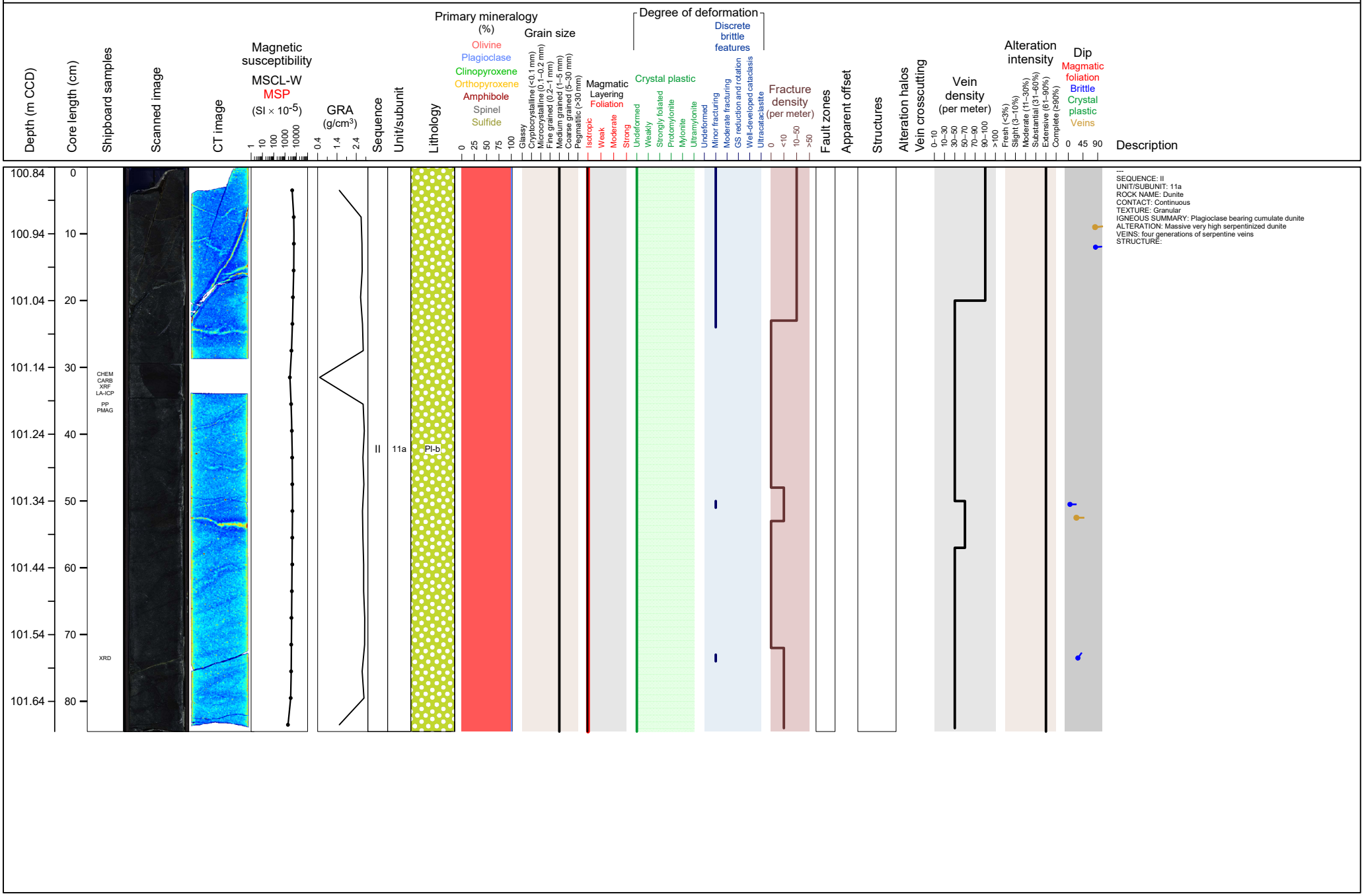
SEQUENCE: II
UNIT/SUBUNIT: 10c
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Cumulate dunite
ALTERATION: Very high serpentinized dunite
VEINS: four generations of serpentine veins
STRUCTURE:

SEQUENCE: II
UNIT/SUBUNIT: 11a
ROCK NAME: Dunite
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Plagioclase bearing cumulate dunite
ALTERATION: Very high serpentinized dunite
VEINS: four generations of serpentine veins
STRUCTURE:

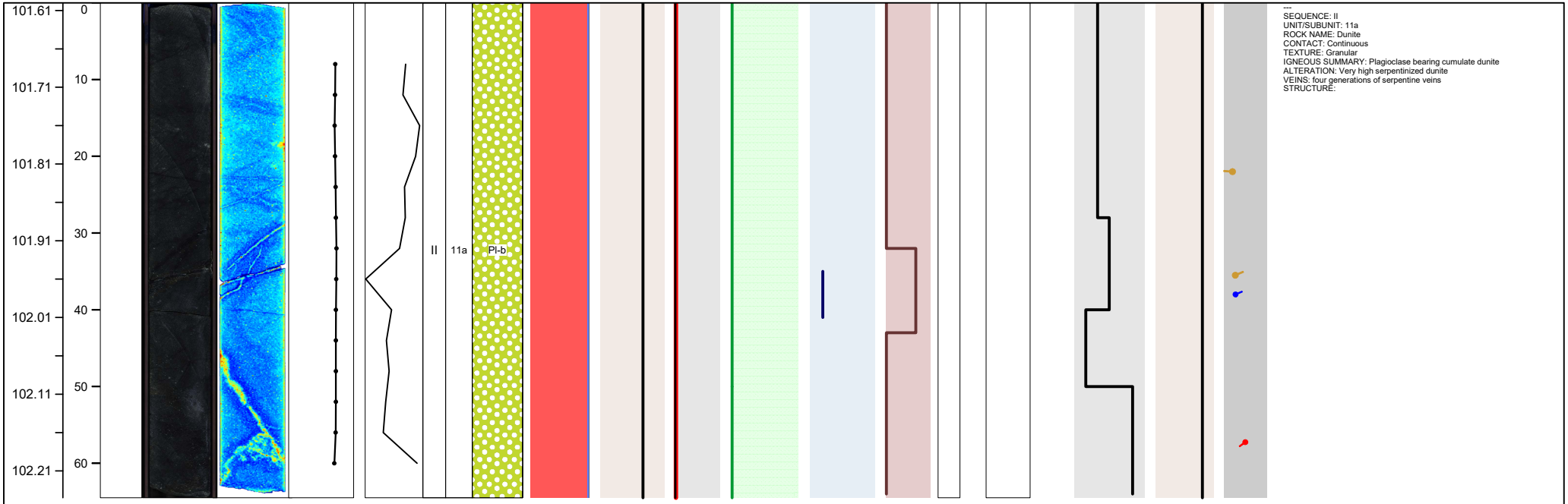
Hole CM2B-53Z Section 3, Top of Section 100.08 (m CCD)



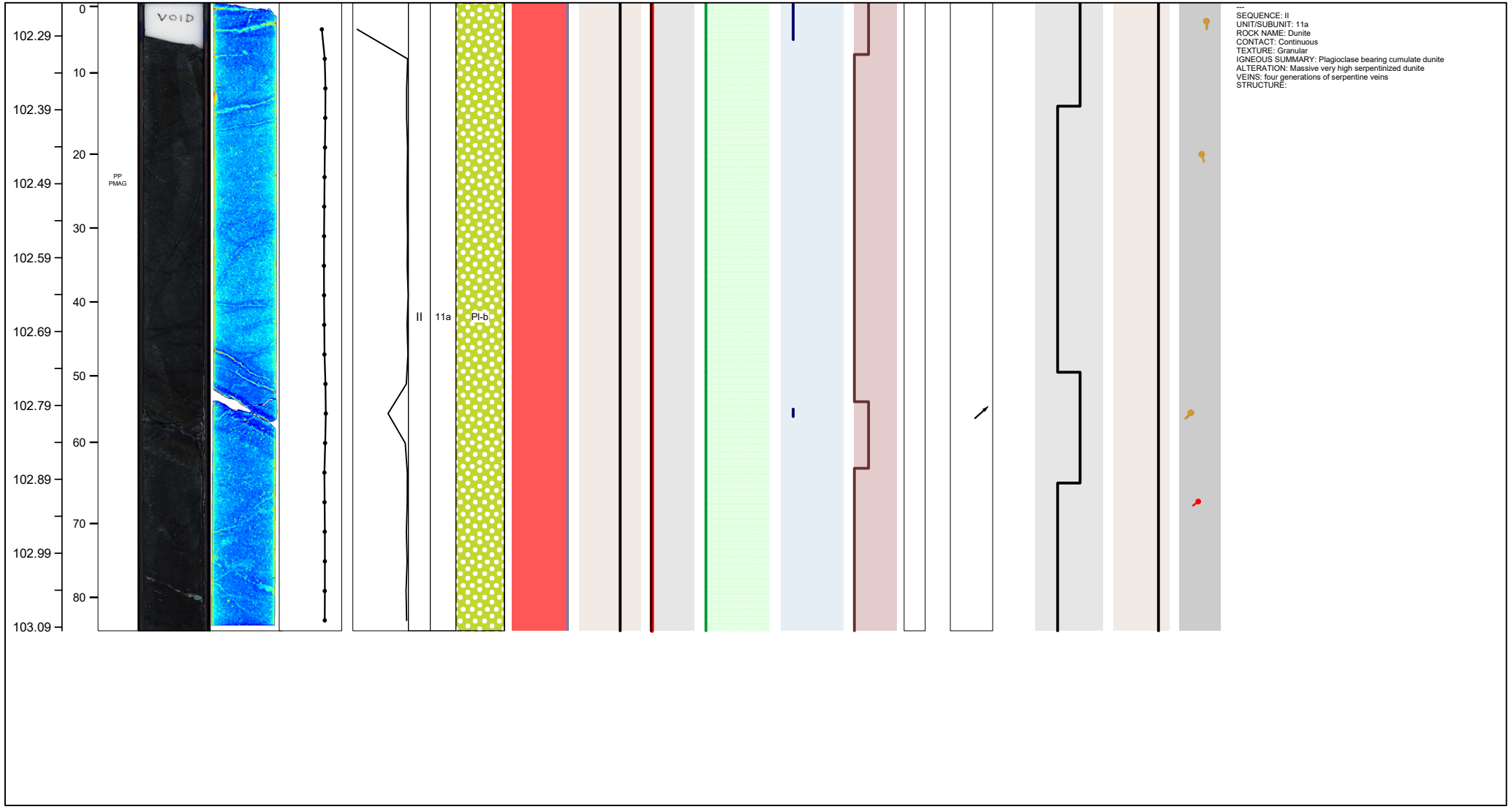
Hole CM2B-53Z Section 4, Top of Section 100.84 (m CCD)



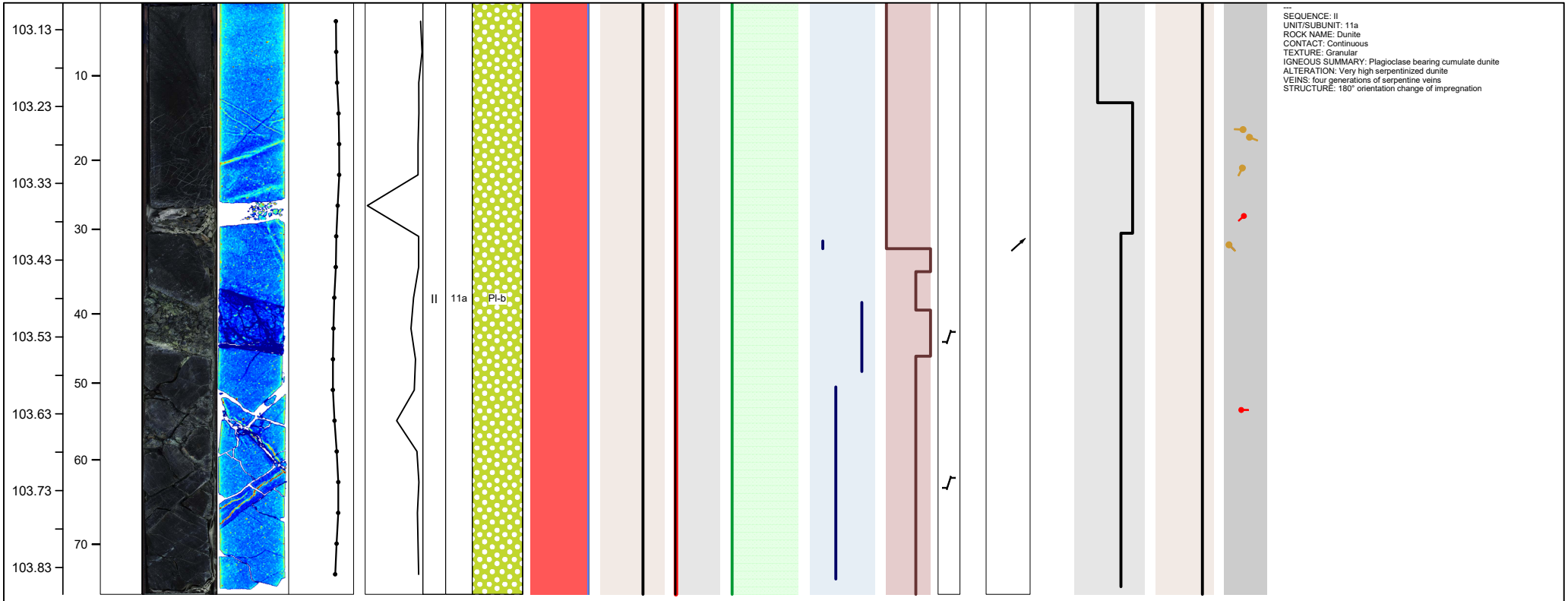
Hole CM2B-54Z Section 1, Top of Section 101.60 (m CCD)



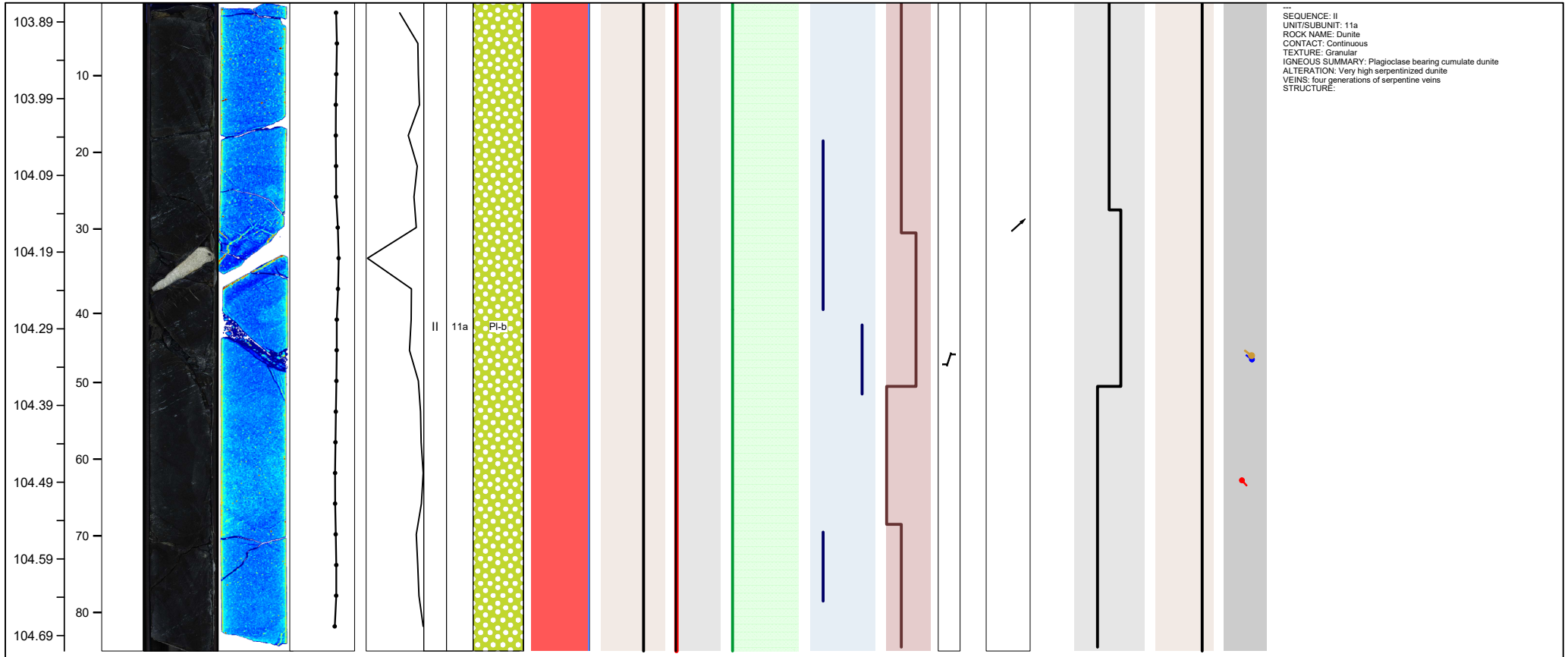
Hole CM2B-54Z Section 2, Top of Section 102.25 (m CCD)



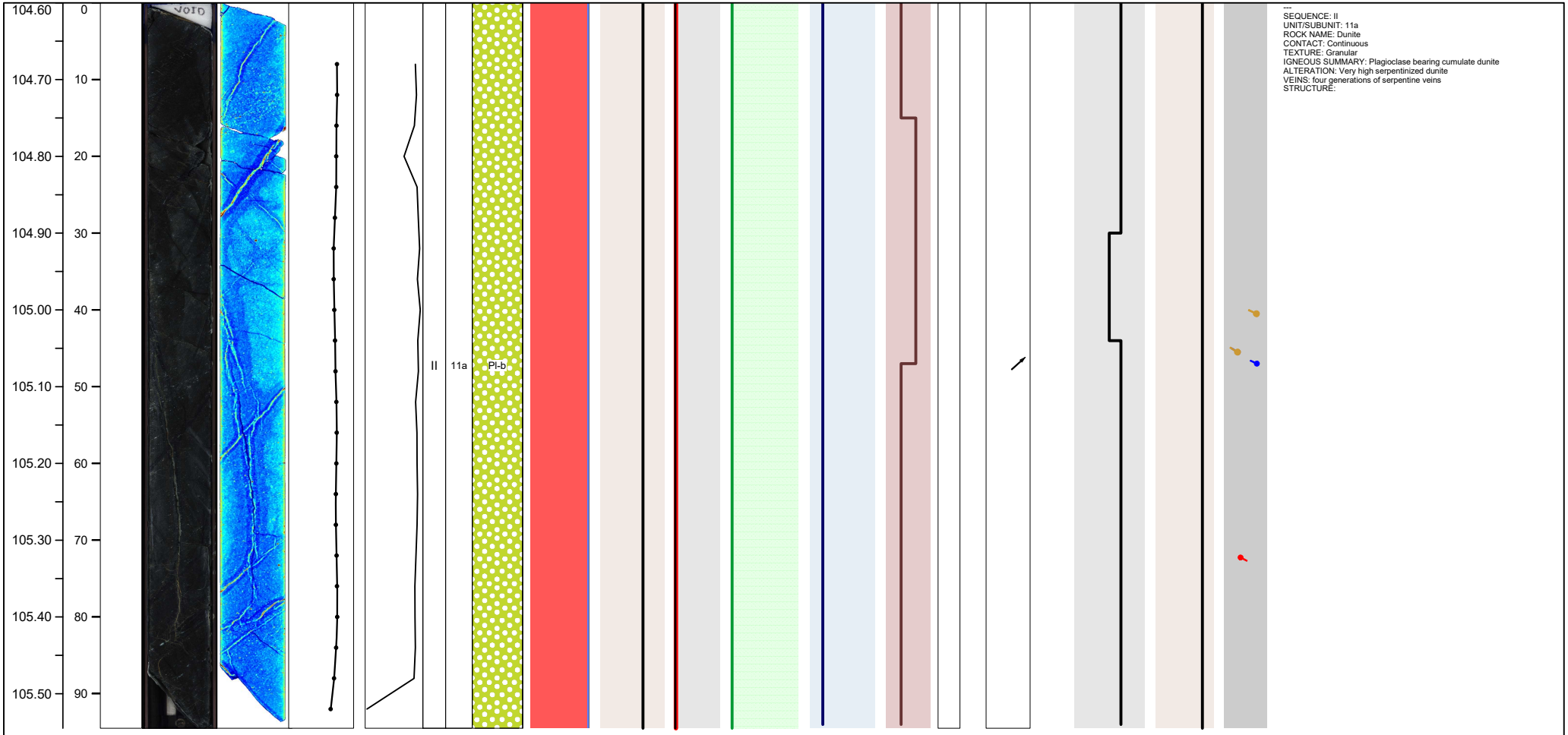
Hole CM2B-54Z Section 3, Top of Section 103.10 (m CCD)



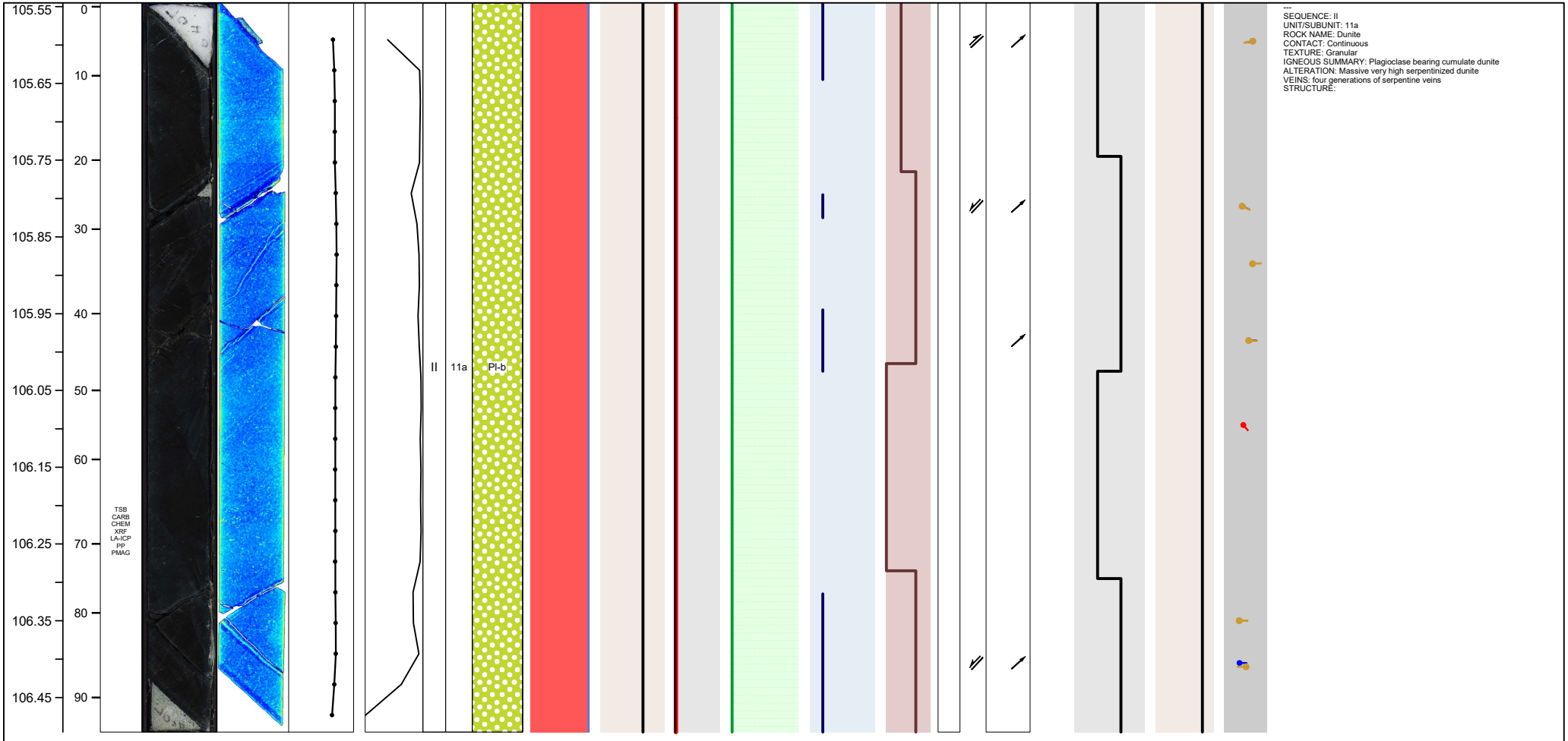
Hole CM2B-54Z Section 4, Top of Section 103.87 (m CCD)



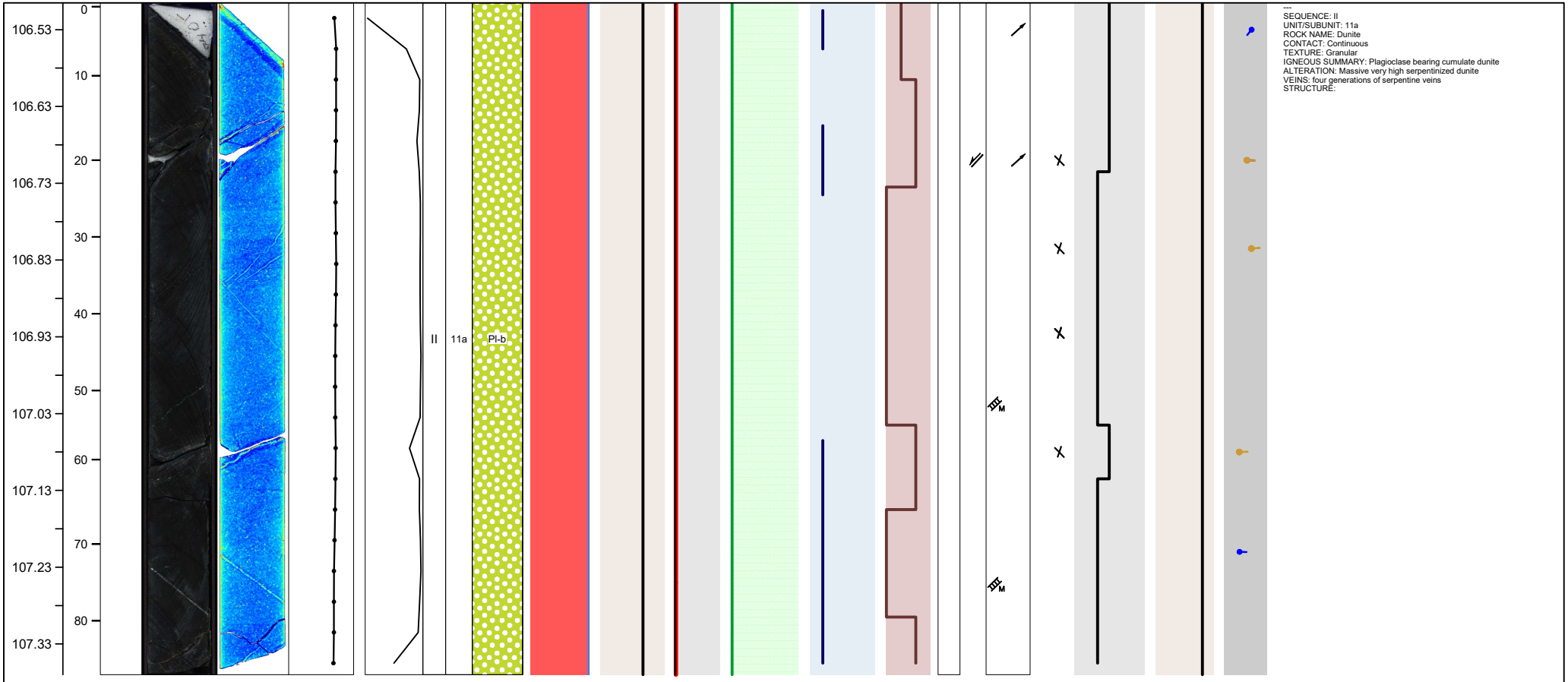
Hole CM2B-55Z Section 1, Top of Section 104.60 (m CCD)



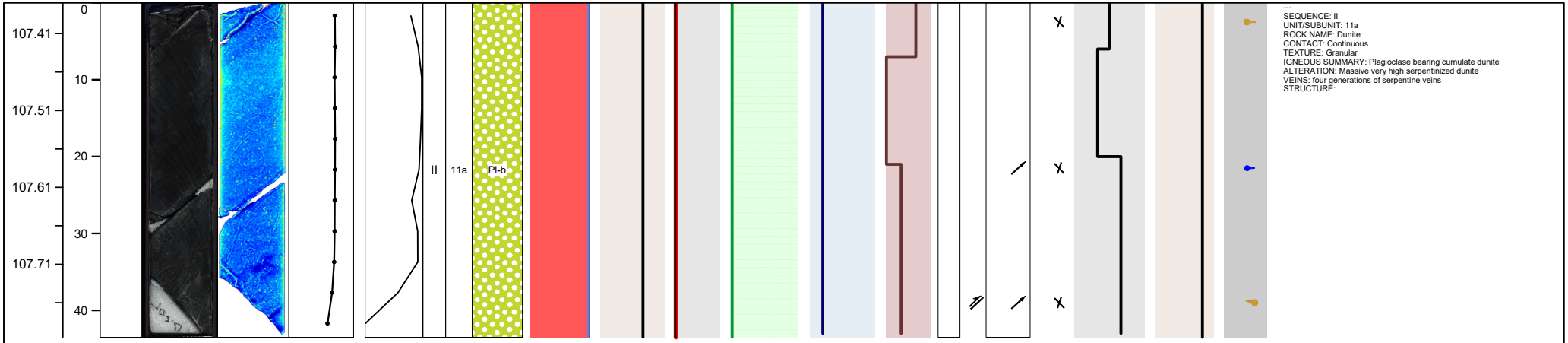
Hole CM2B-55Z Section 2, Top of Section 105.55 (m CCD)



Hole CM2B-55Z Section 3, Top of Section 106.50 (m CCD)

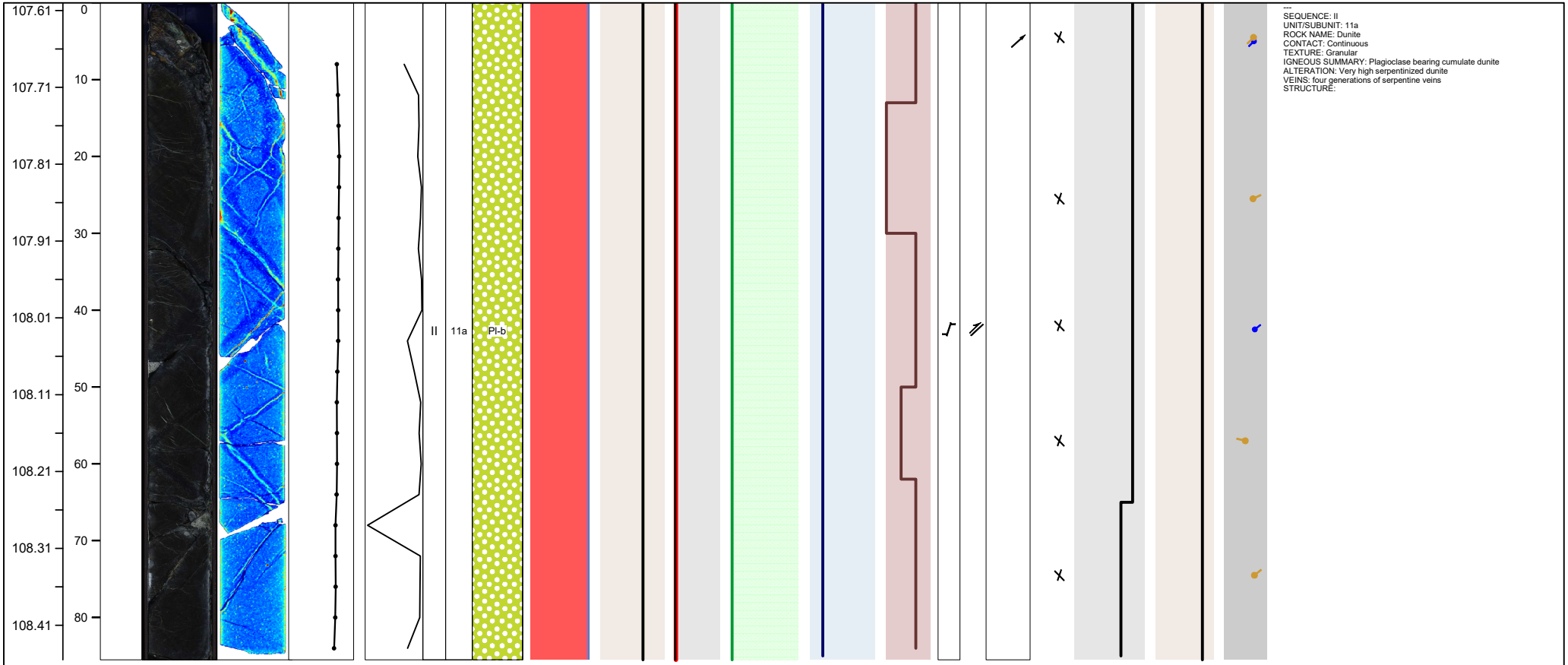


Hole CM2B-55Z Section 4, Top of Section 107.37 (m CCD)

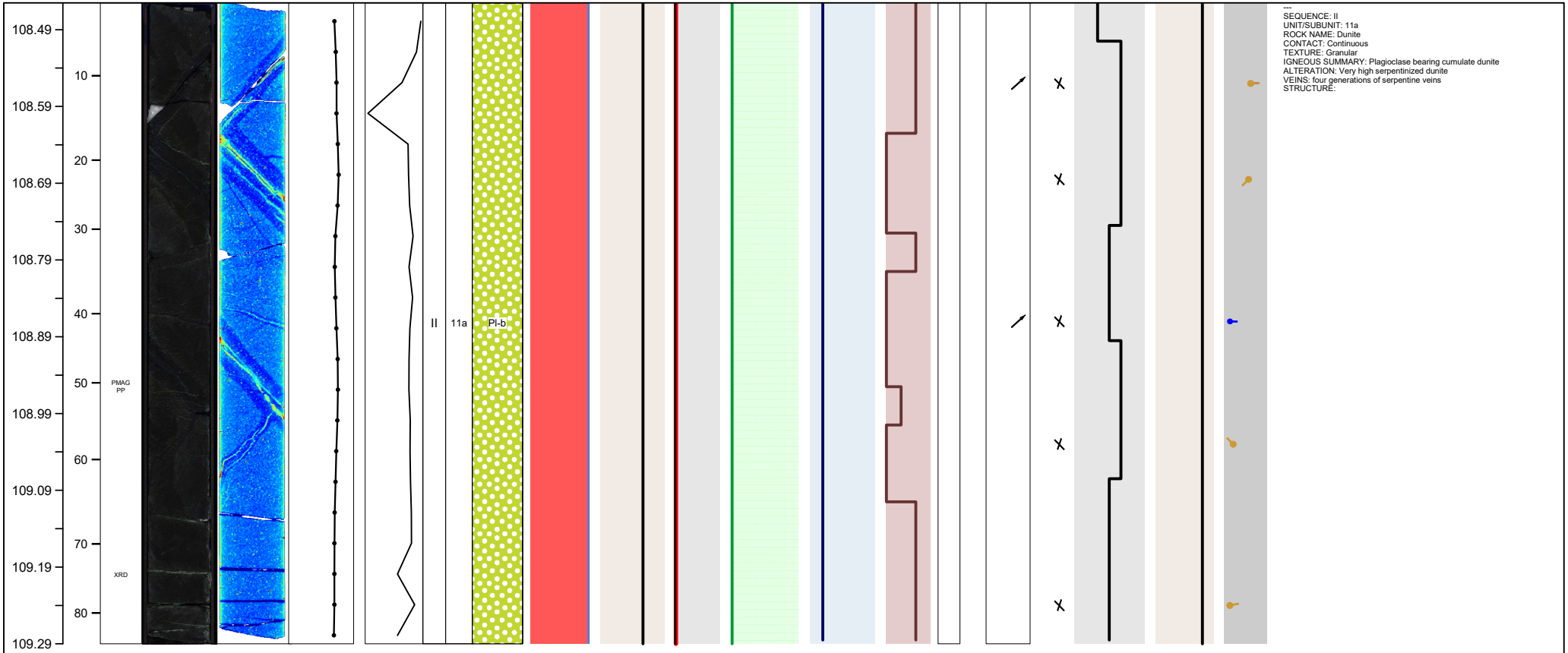


SEQUENCE: II
UNIT/SUBUNIT: 11a
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Plagioclase bearing cumulate dunite
ALTERATION: Massive very high serpentinized dunite
VEINS: four generations of serpentine veins
STRUCTURE:

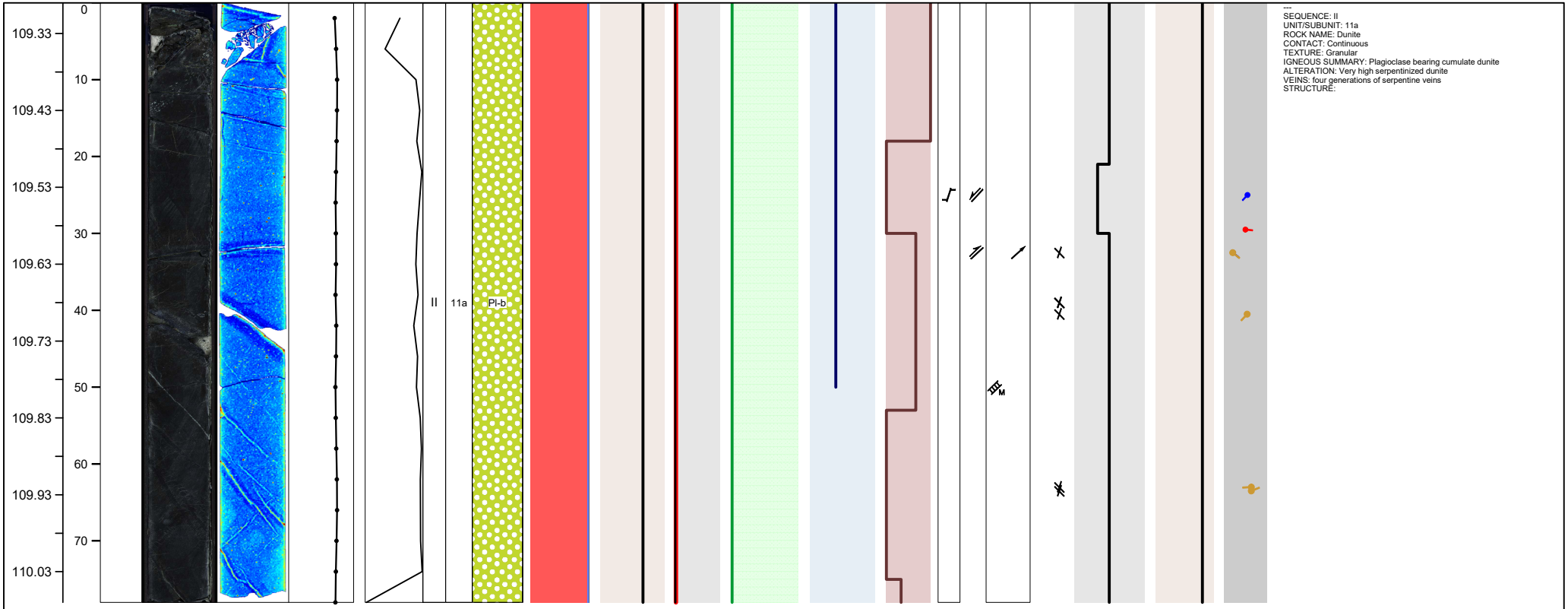
Hole CM2B-56Z Section 1, Top of Section 107.60 (m CCD)



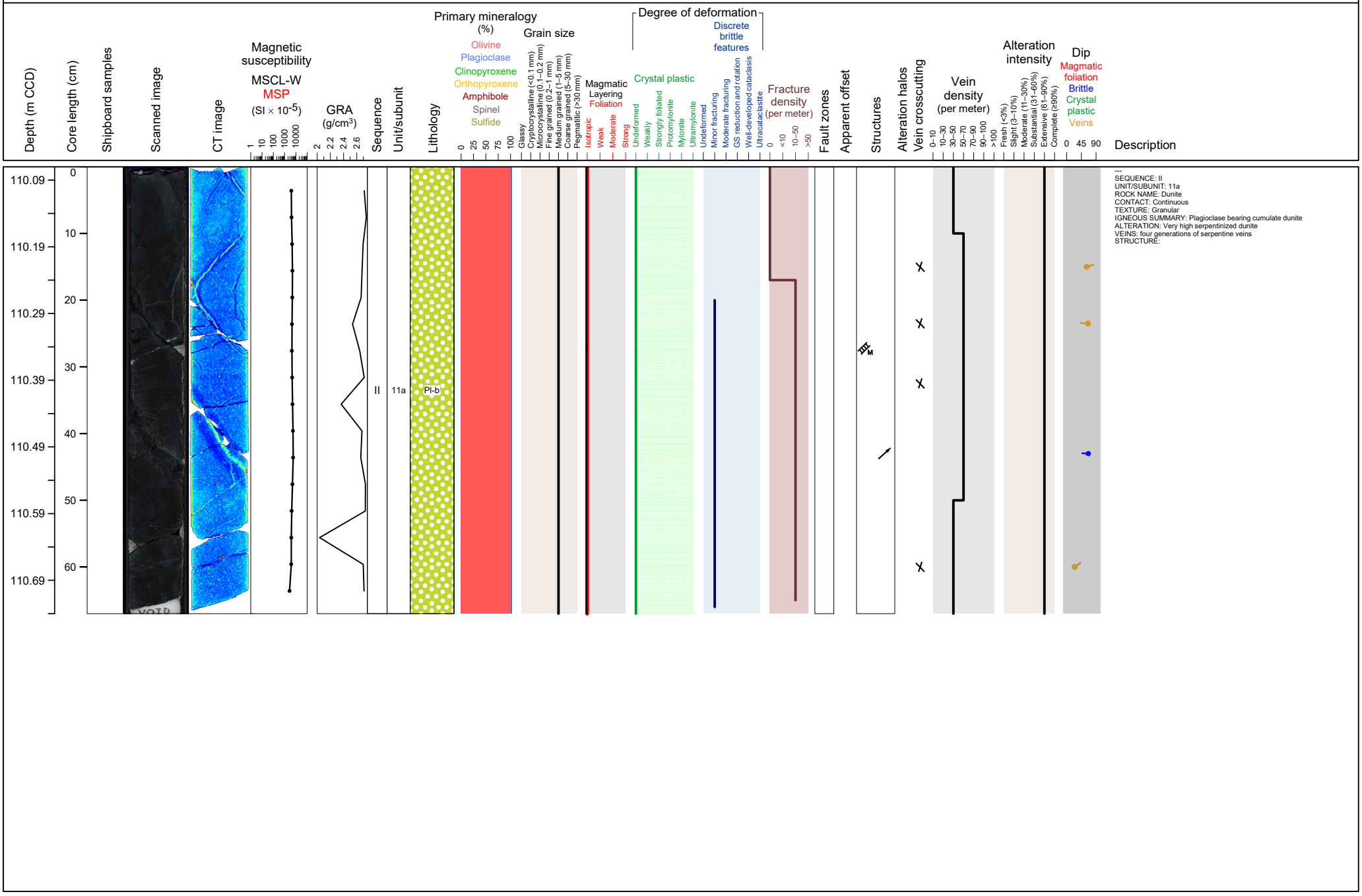
Hole CM2B-56Z Section 2, Top of Section 108.46 (m CCD)



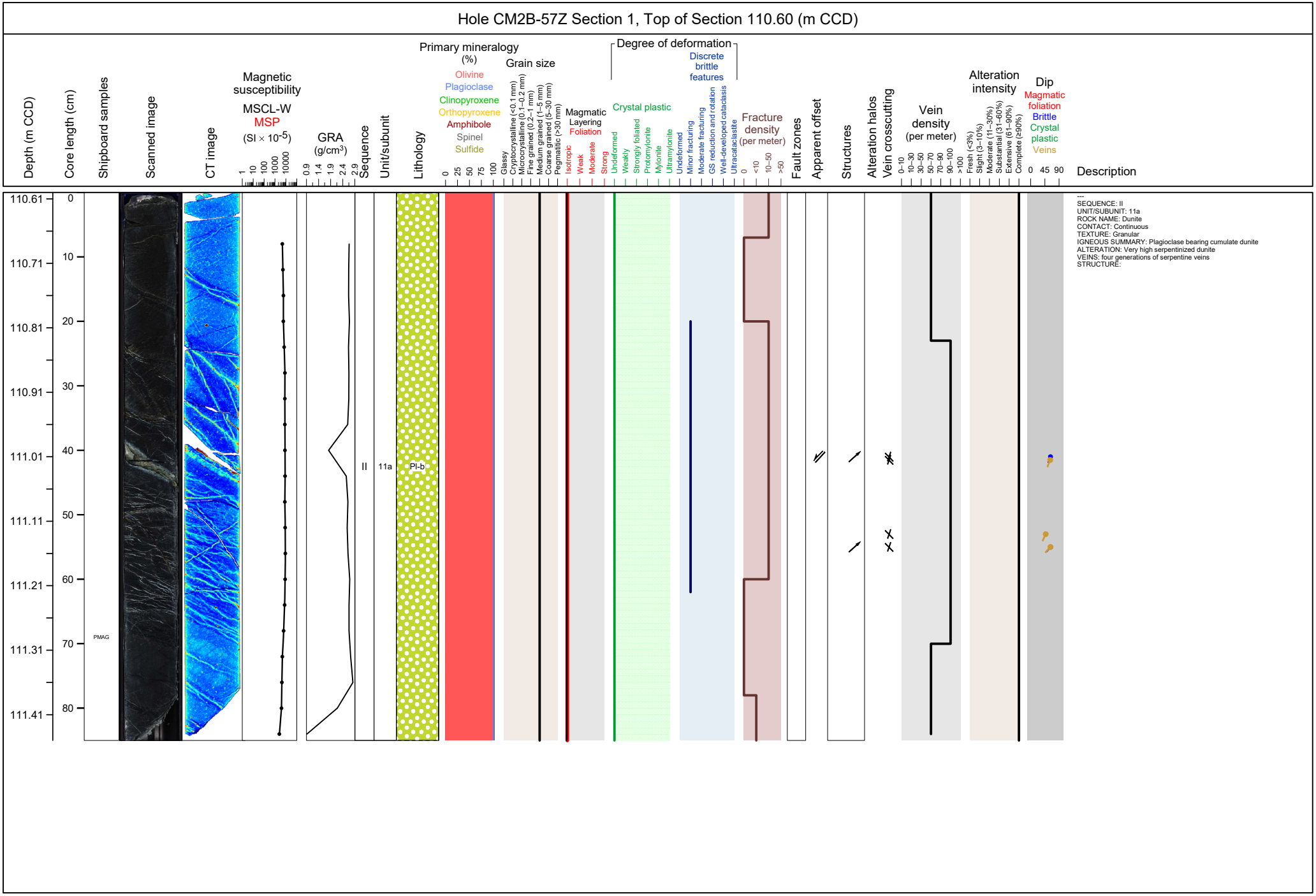
Hole CM2B-56Z Section 3, Top of Section 109.29 (m CCD)



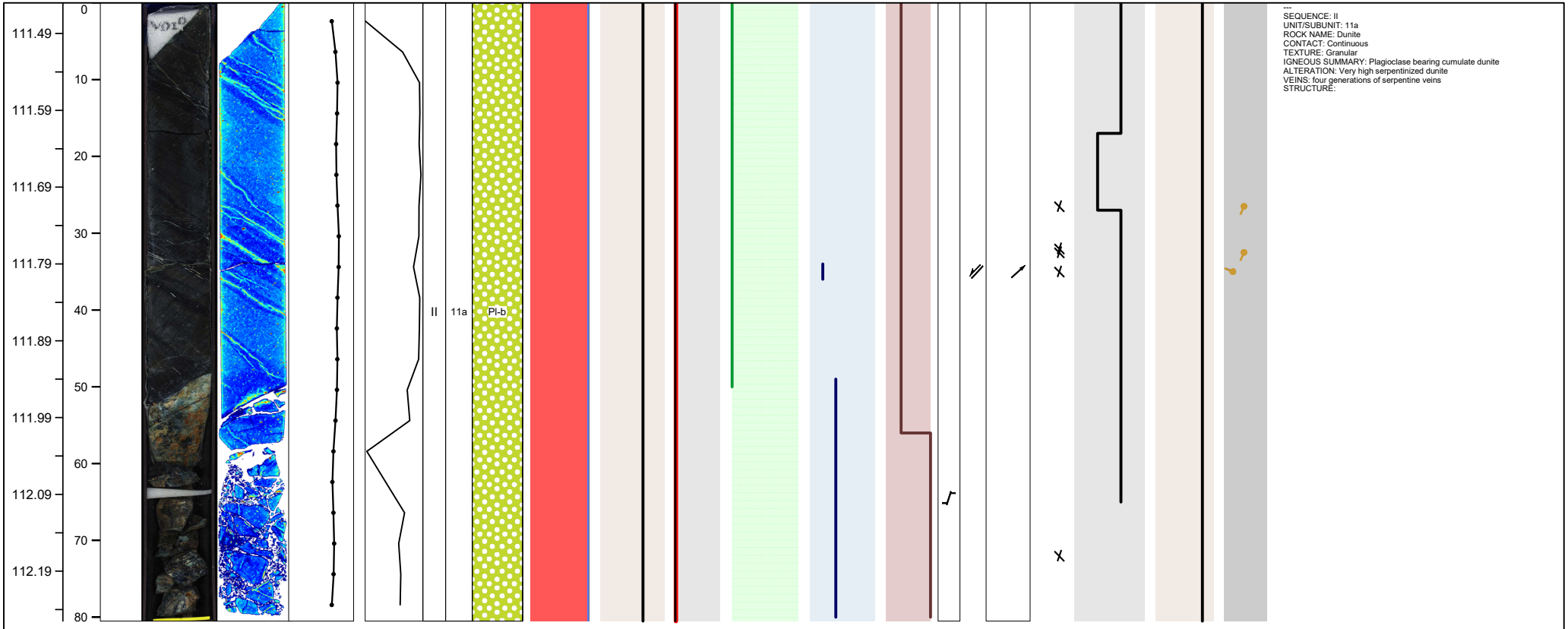
Hole CM2B-56Z Section 4, Top of Section 110.07 (m CCD)



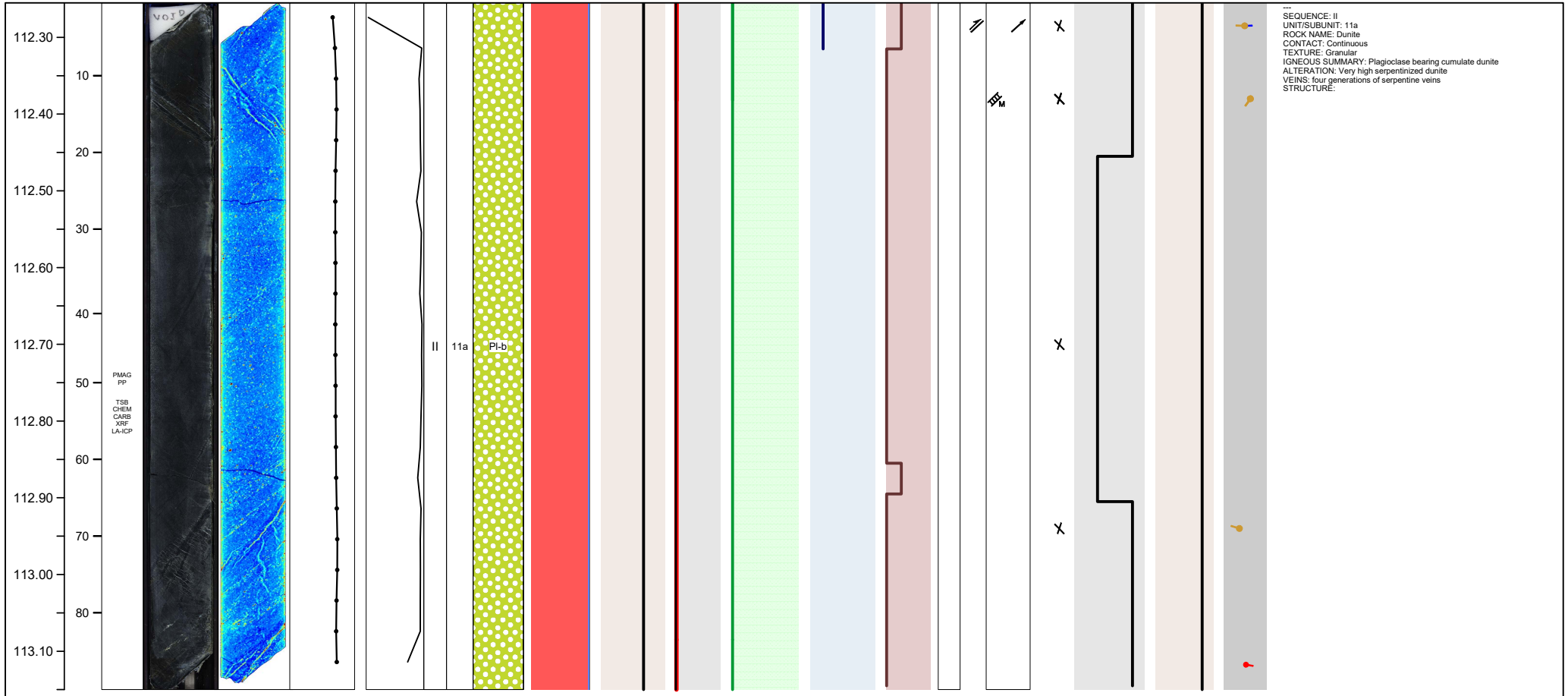
Hole CM2B-57Z Section 1, Top of Section 110.60 (m CCD)



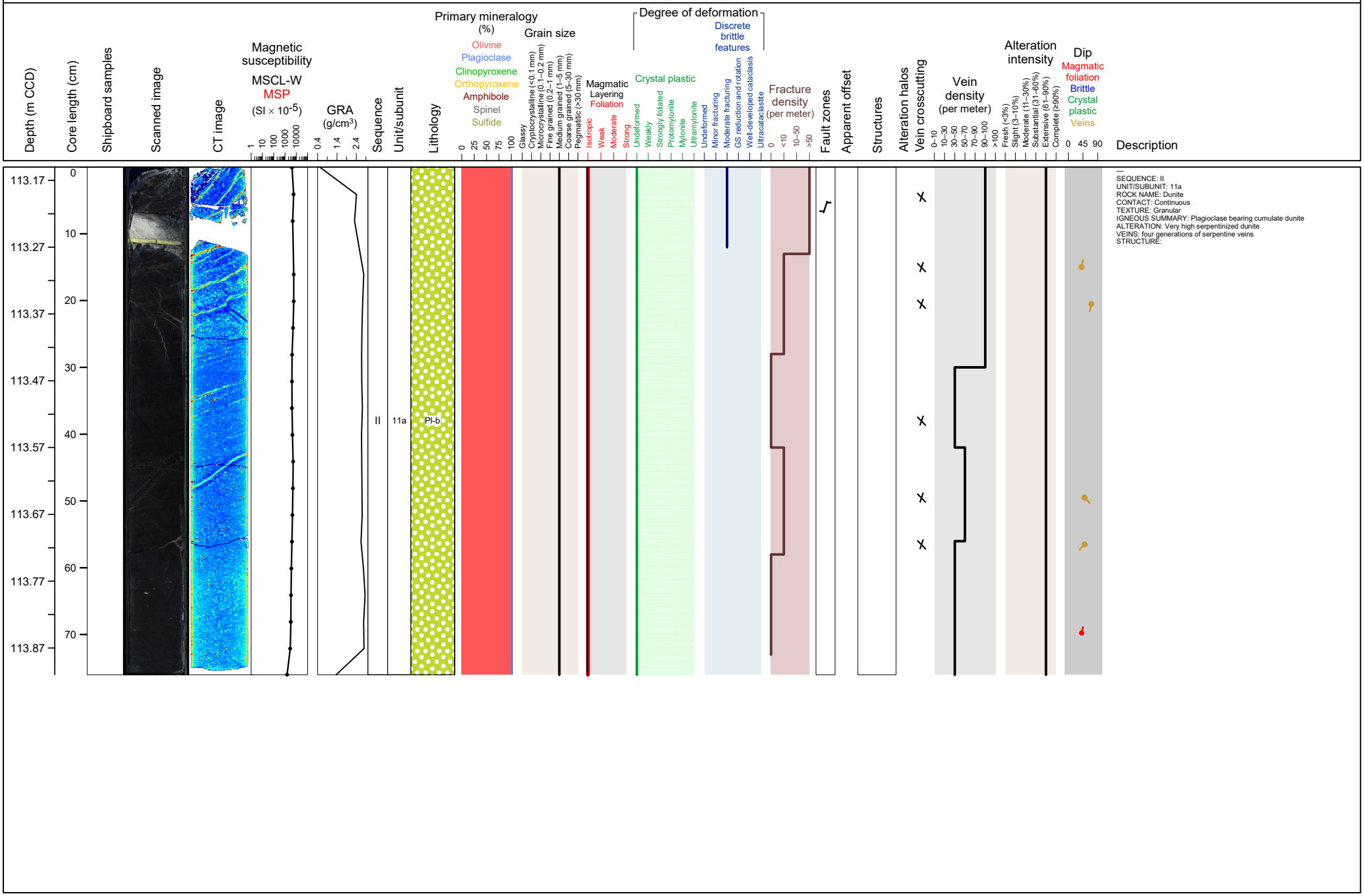
Hole CM2B-57Z Section 2, Top of Section 111.45 (m CCD)



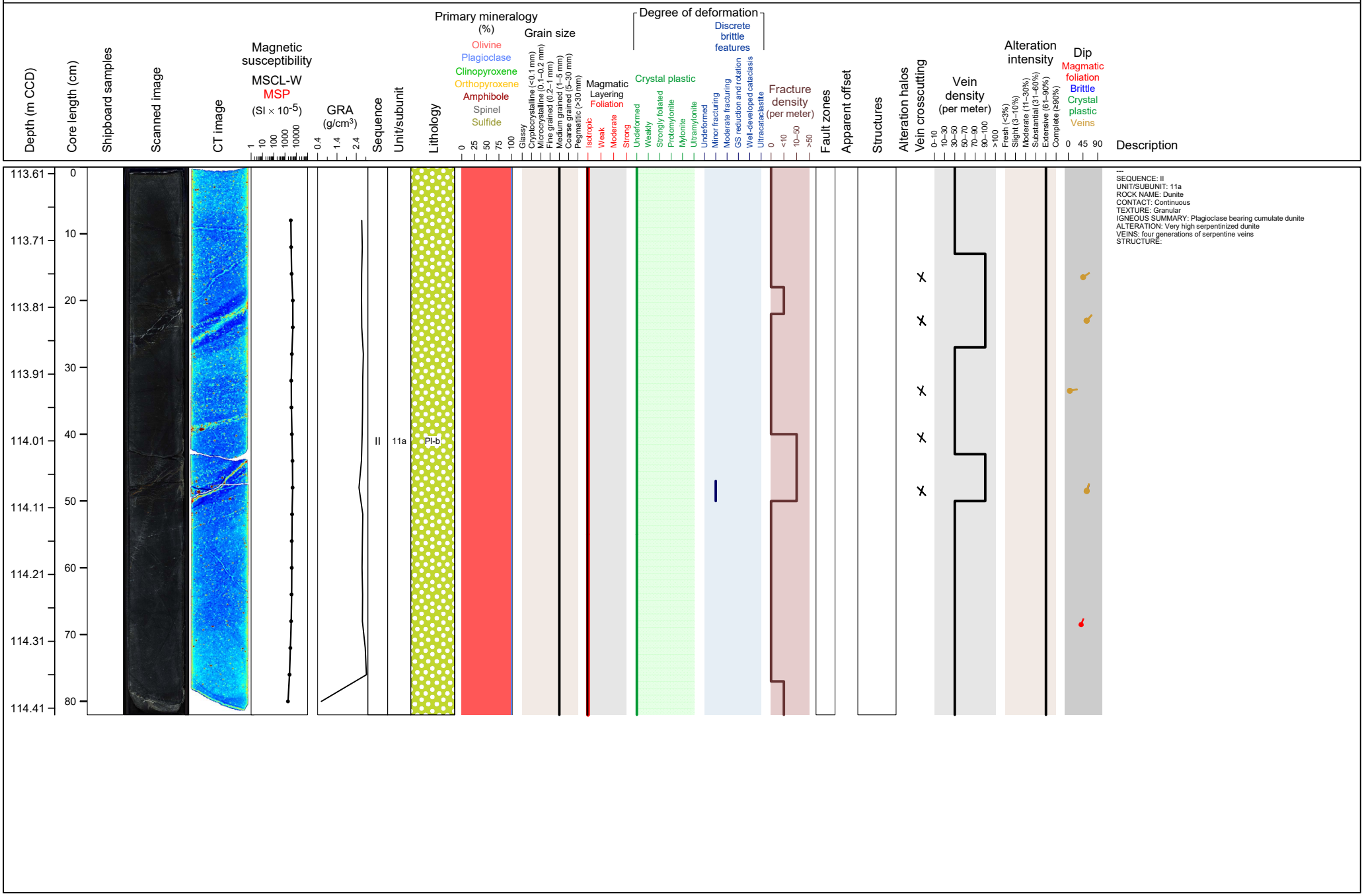
Hole CM2B-57Z Section 3, Top of Section 112.26 (m CCD)



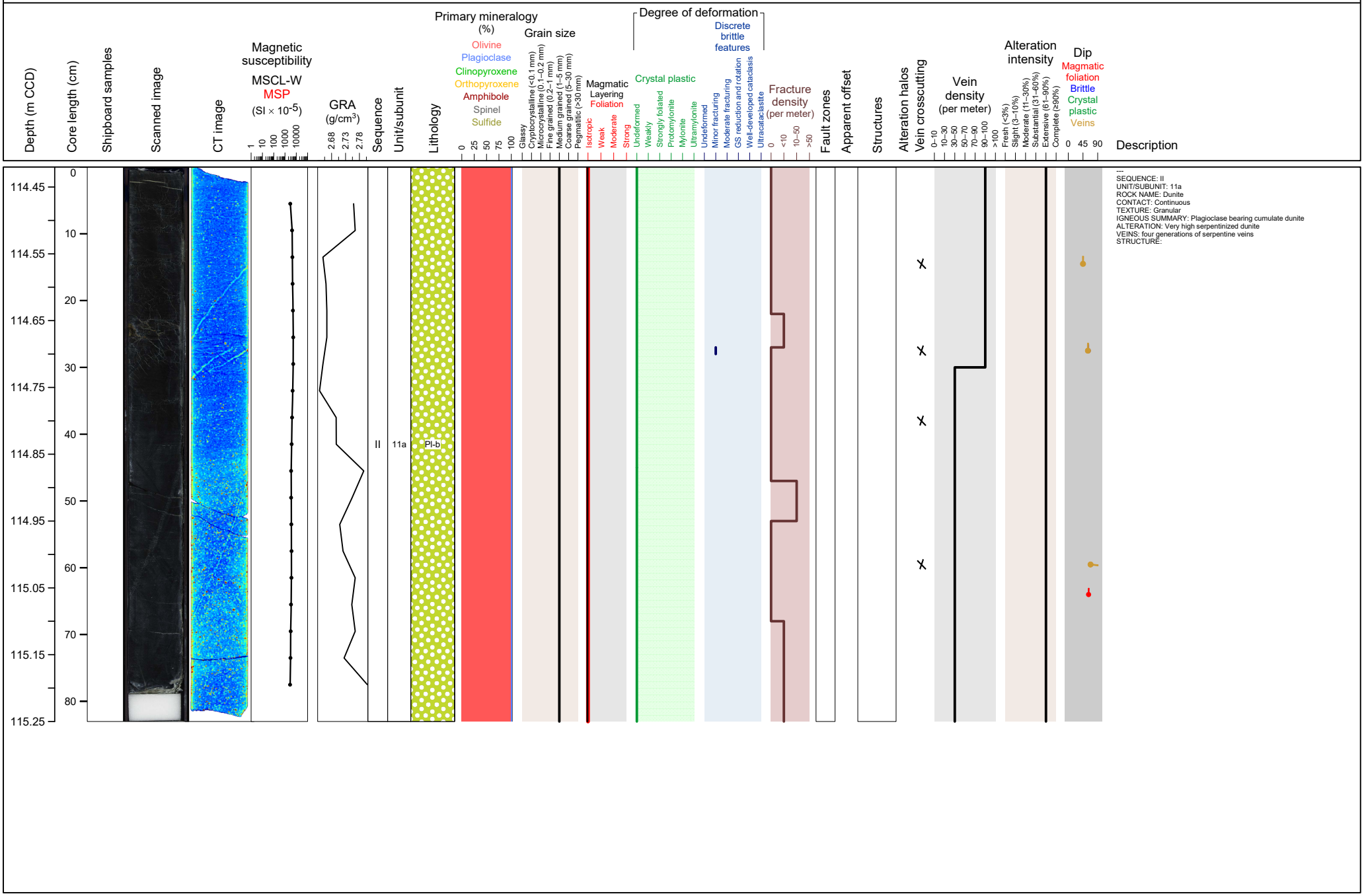
Hole CM2B-57Z Section 4, Top of Section 113.15 (m CCD)



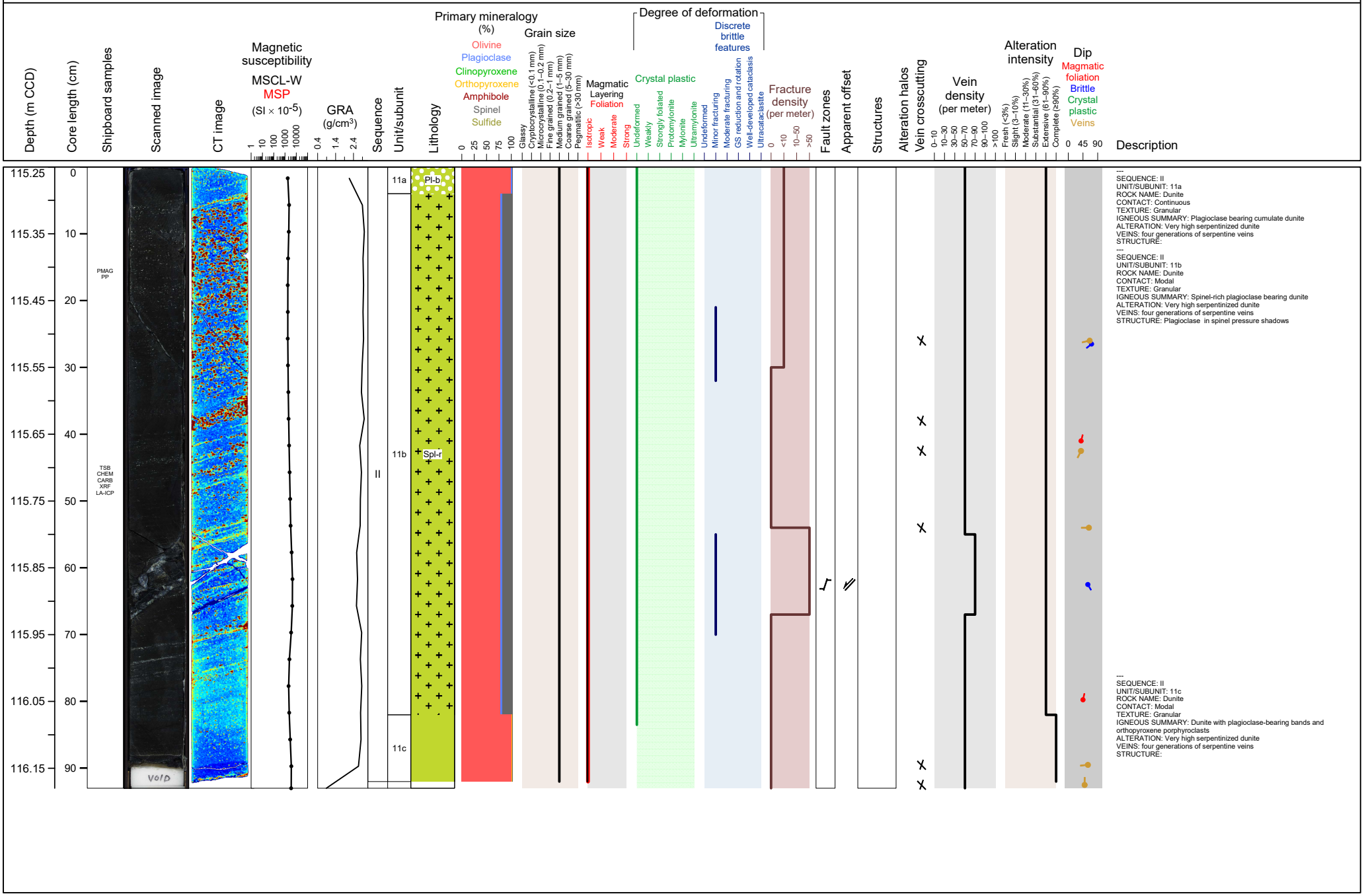
Hole CM2B-58Z Section 1, Top of Section 113.60 (m CCD)



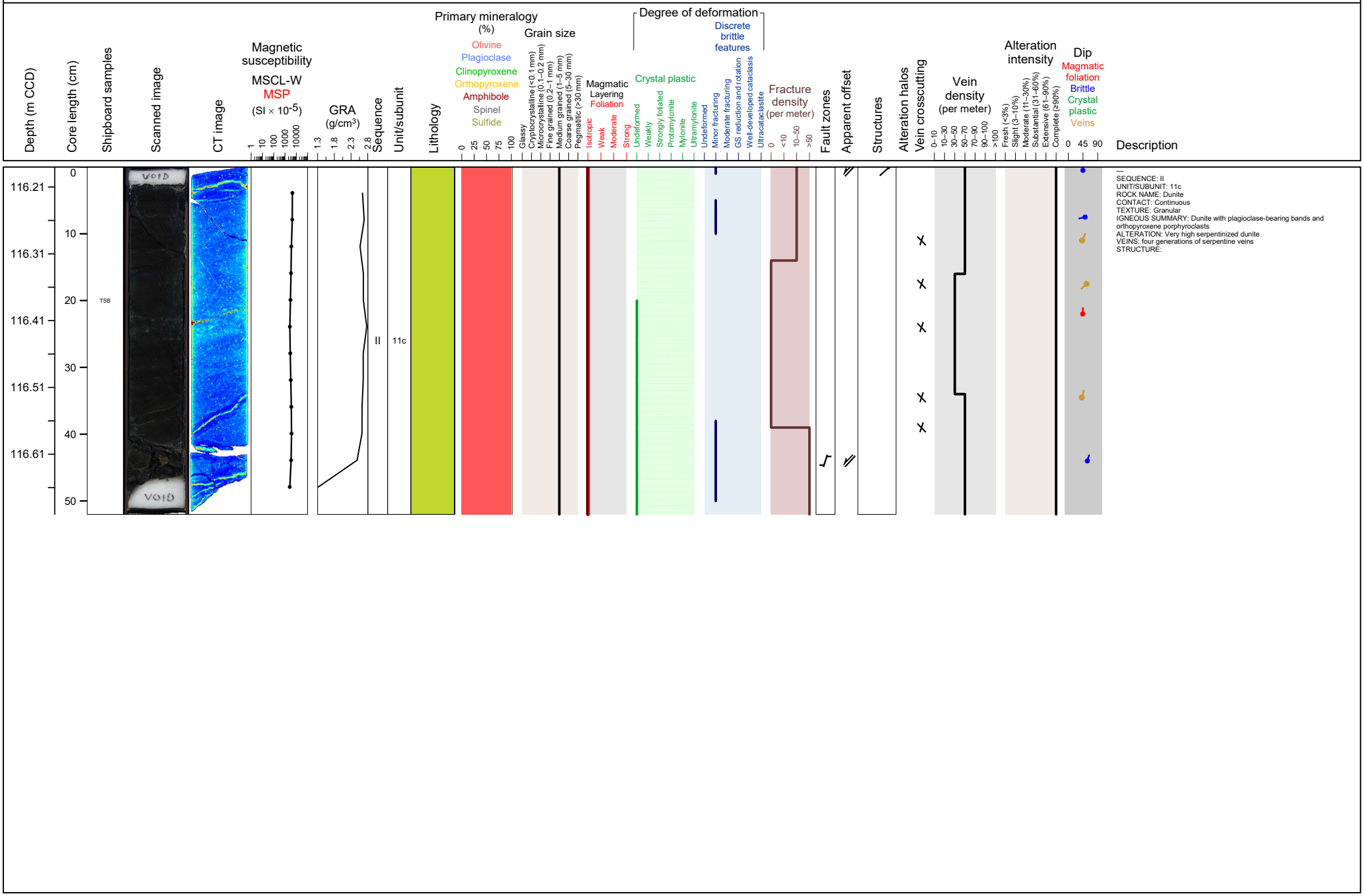
Hole CM2B-58Z Section 2, Top of Section 114.42 (m CCD)



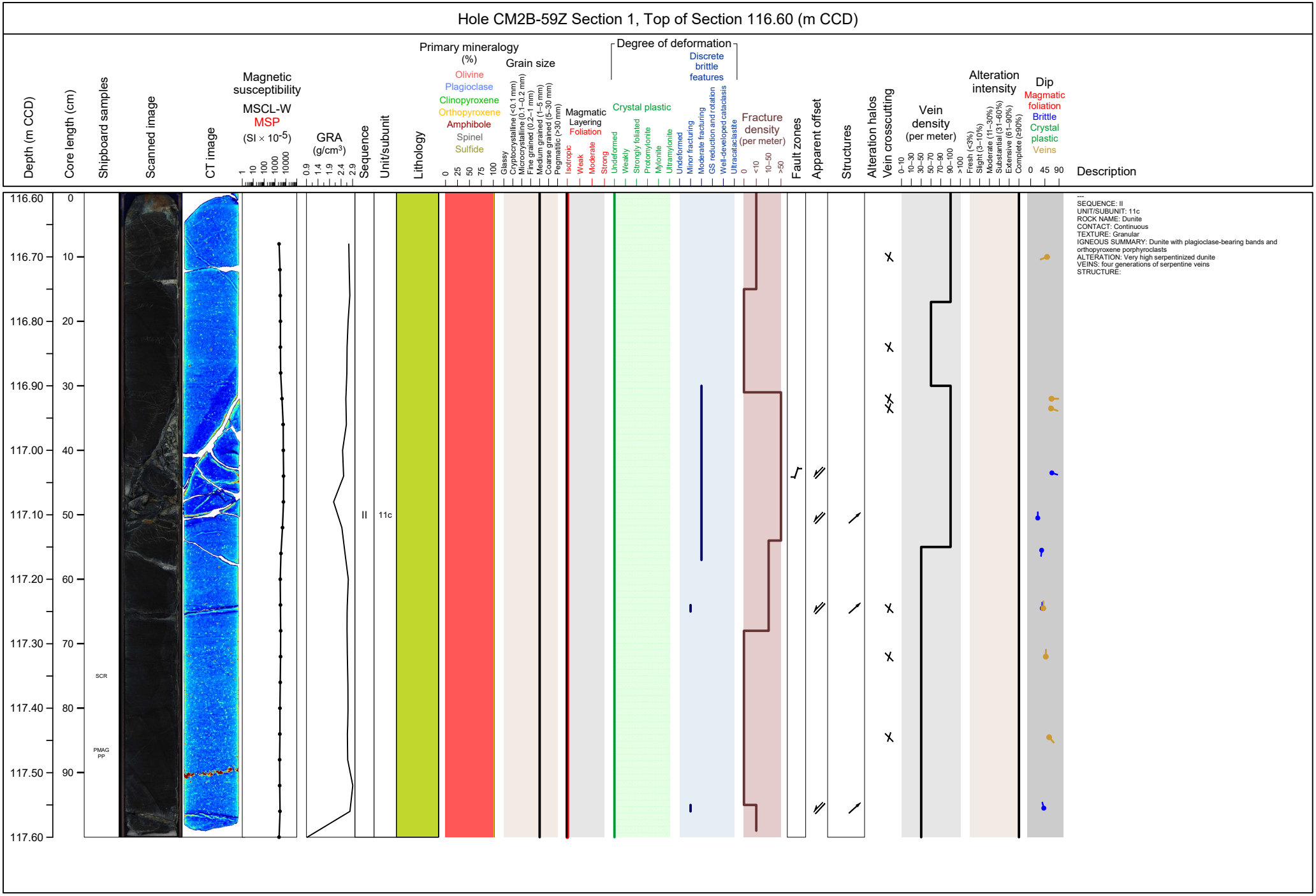
Hole CM2B-58Z Section 3, Top of Section 115.25 (m CCD)



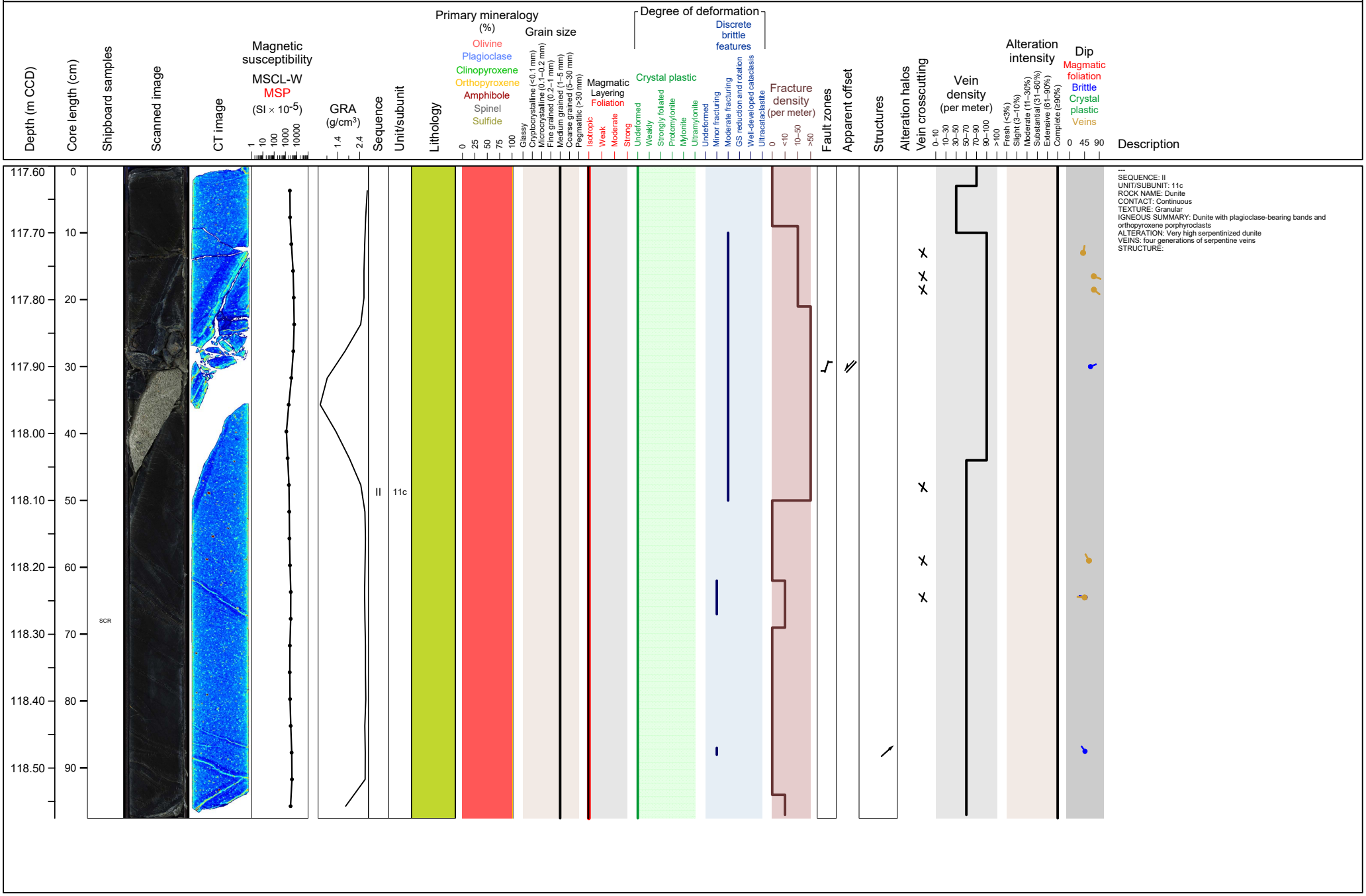
Hole CM2B-58Z Section 4, Top of Section 116.18 (m CCD)



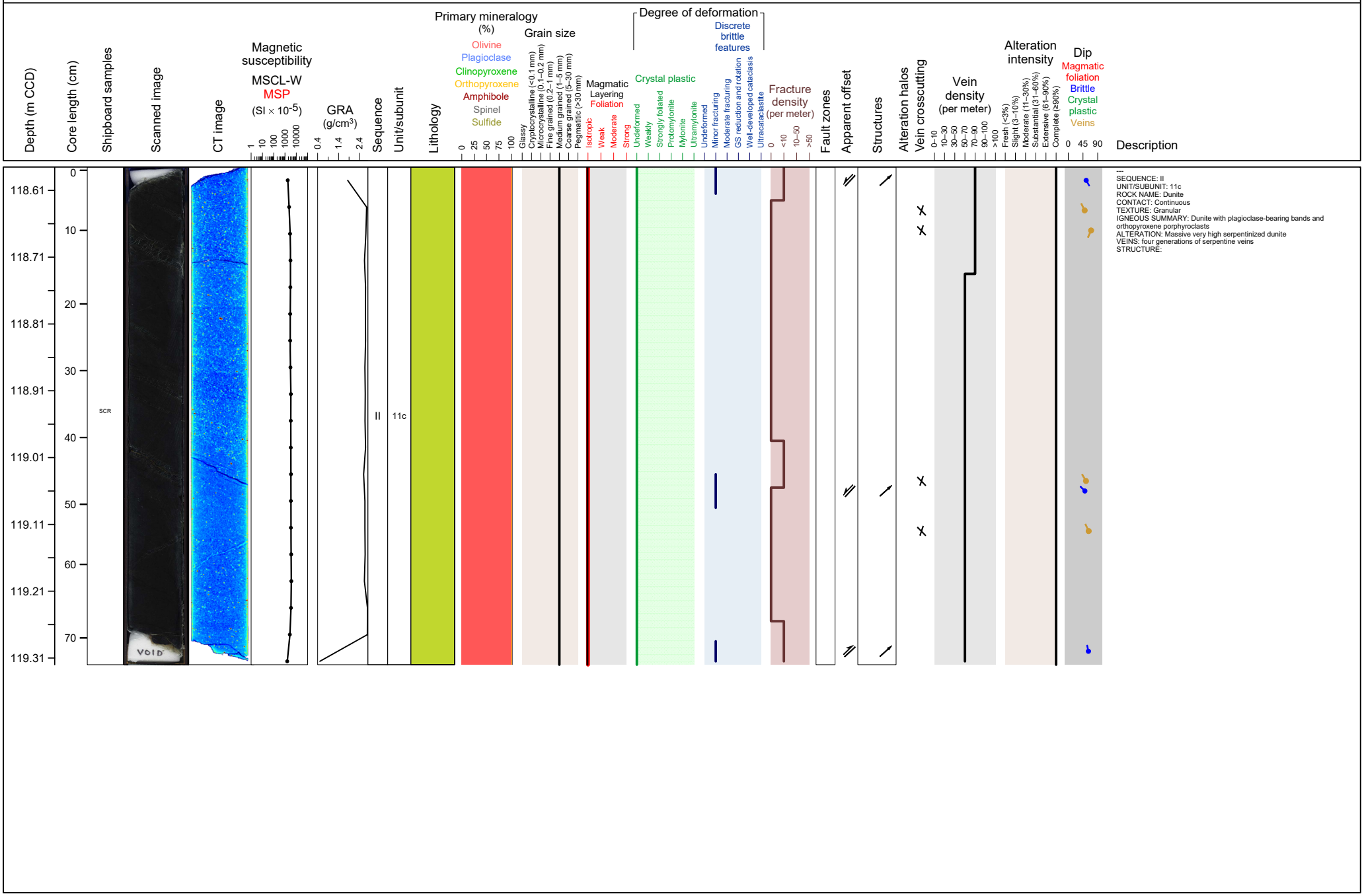
Hole CM2B-59Z Section 1, Top of Section 116.60 (m CCD)



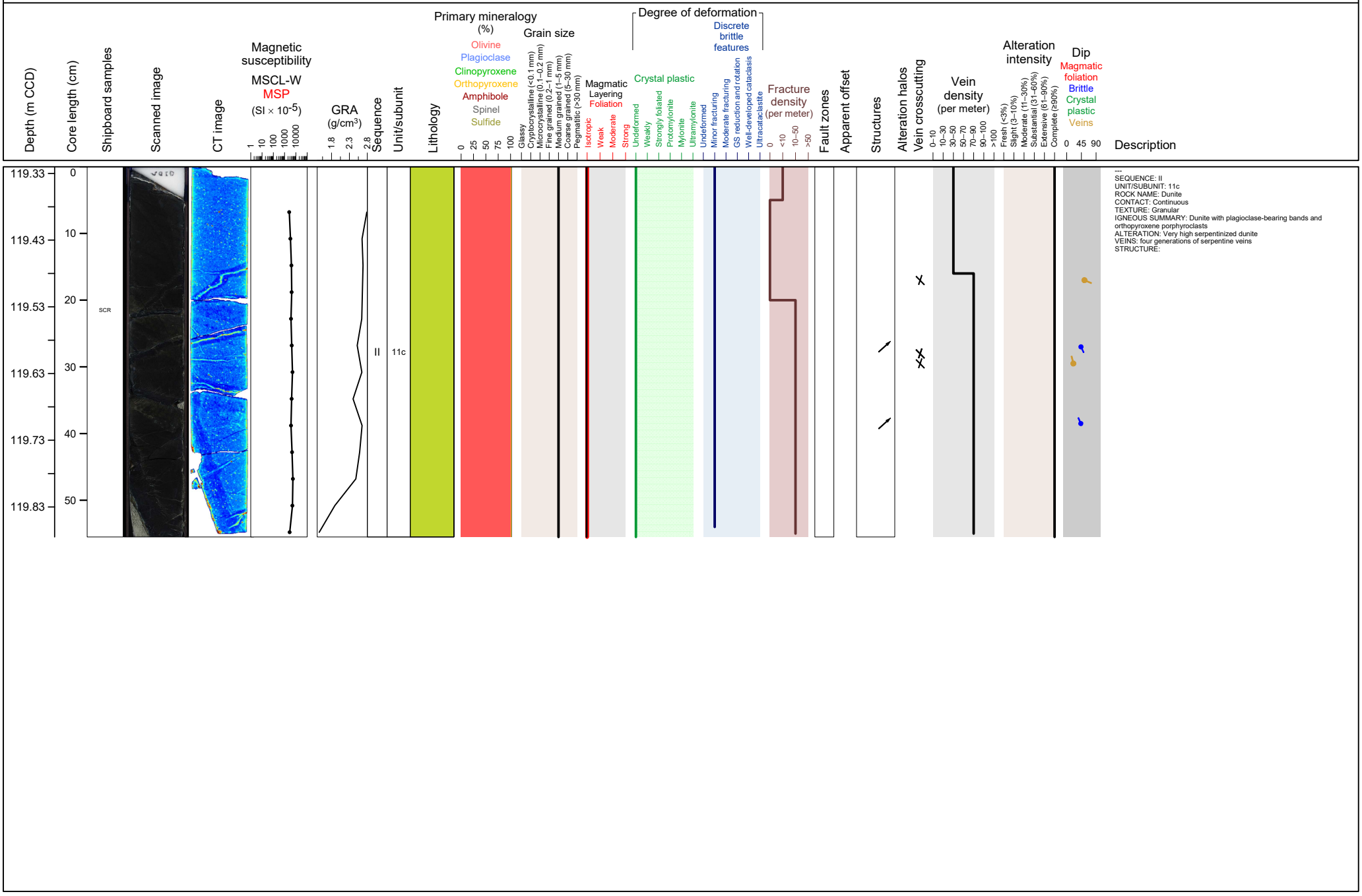
Hole CM2B-59Z Section 2, Top of Section 117.60 (m CCD)



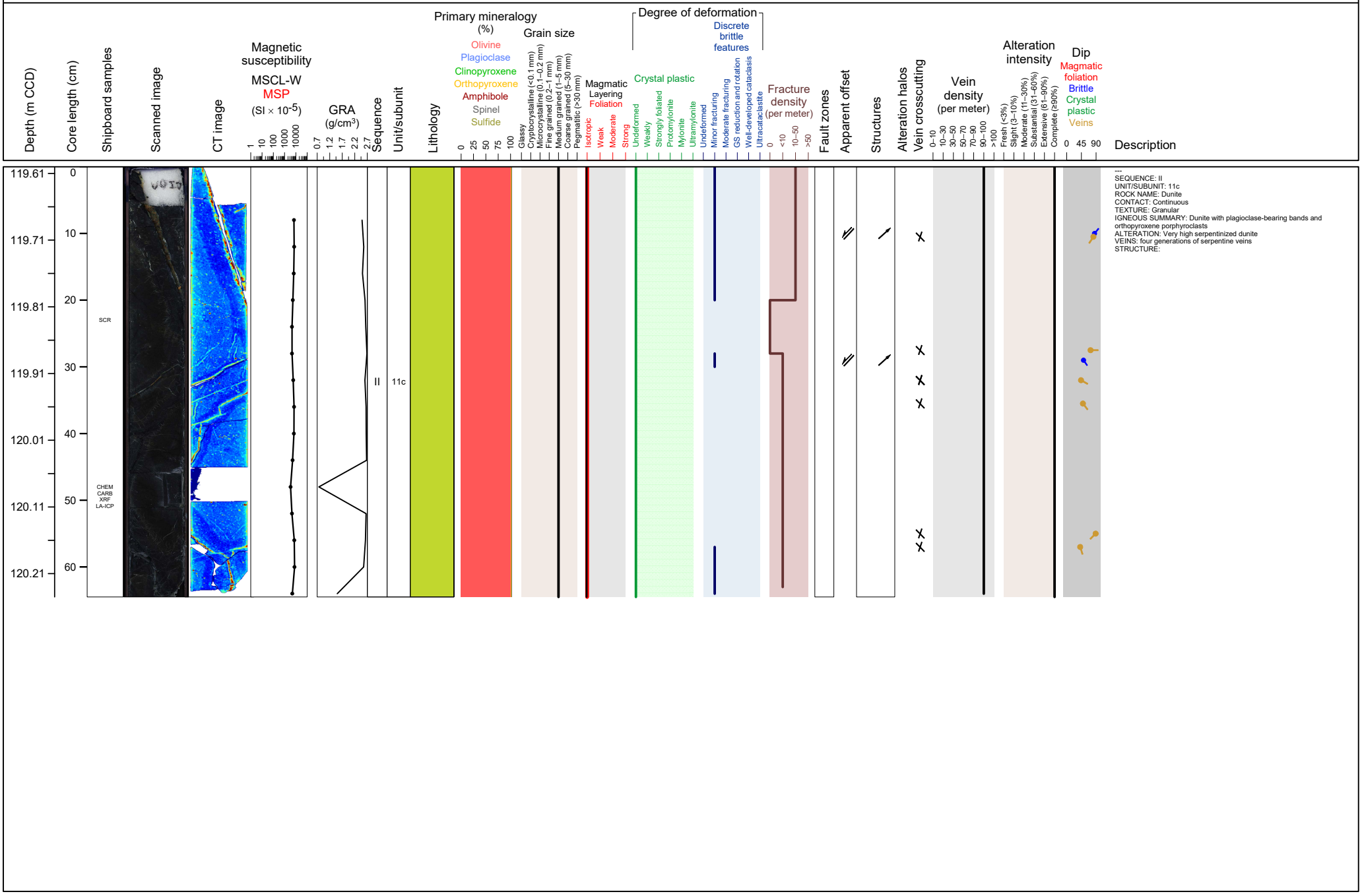
Hole CM2B-59Z Section 3, Top of Section 118.58 (m CCD)



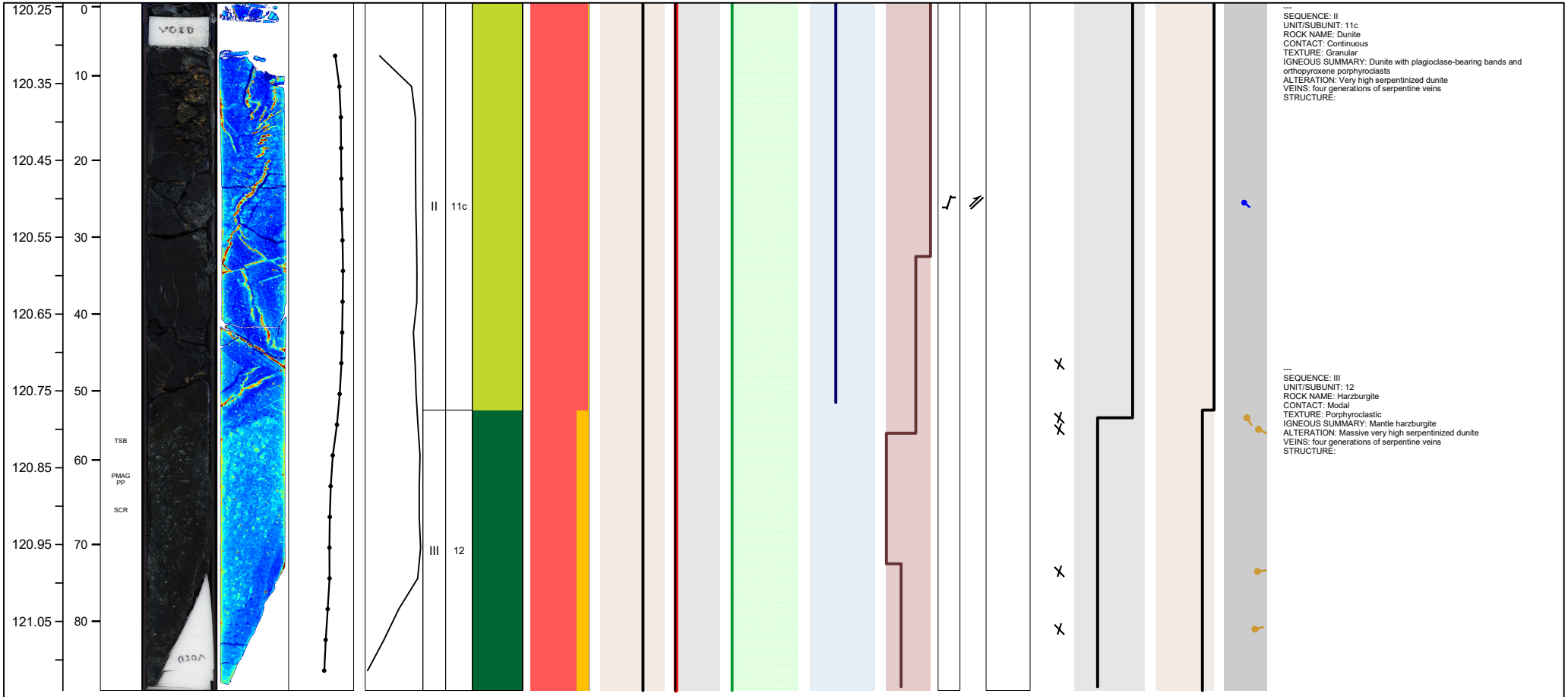
Hole CM2B-59Z Section 4, Top of Section 119.32 (m CCD)



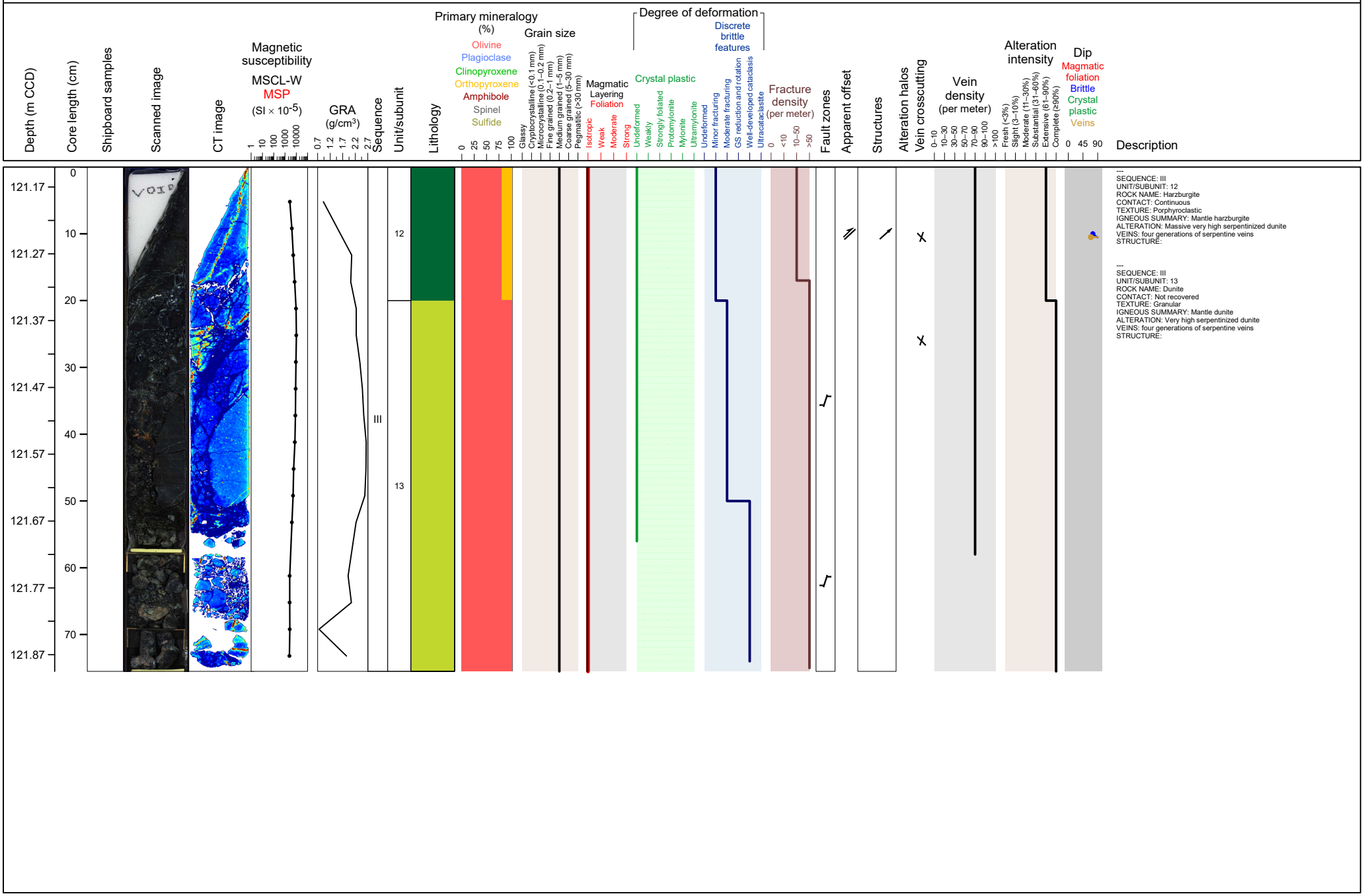
Hole CM2B-60Z Section 1, Top of Section 119.60 (m CCD)



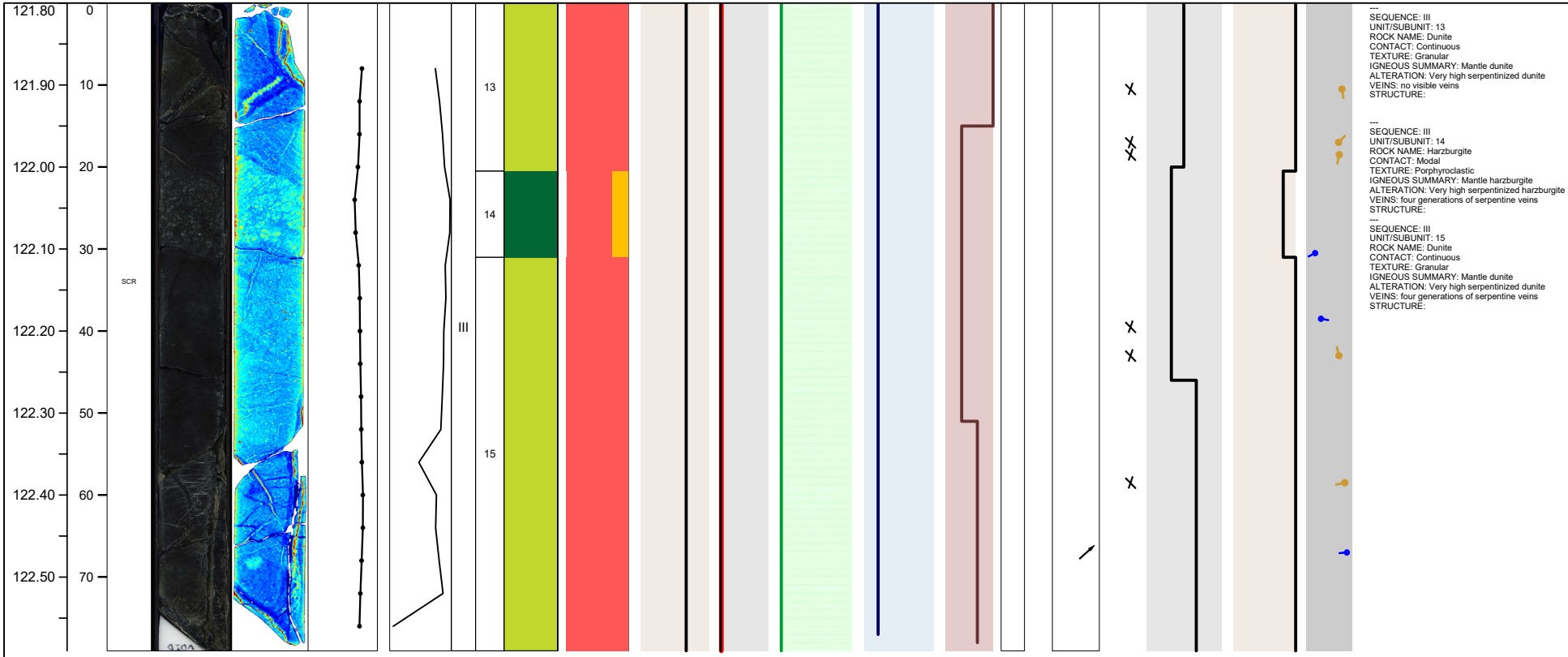
Hole CM2B-60Z Section 2, Top of Section 120.25 (m CCD)



Hole CM2B-60Z Section 3, Top of Section 121.14 (m CCD)



Hole CM2B-61Z Section 1, Top of Section 121.80 (m CCD)

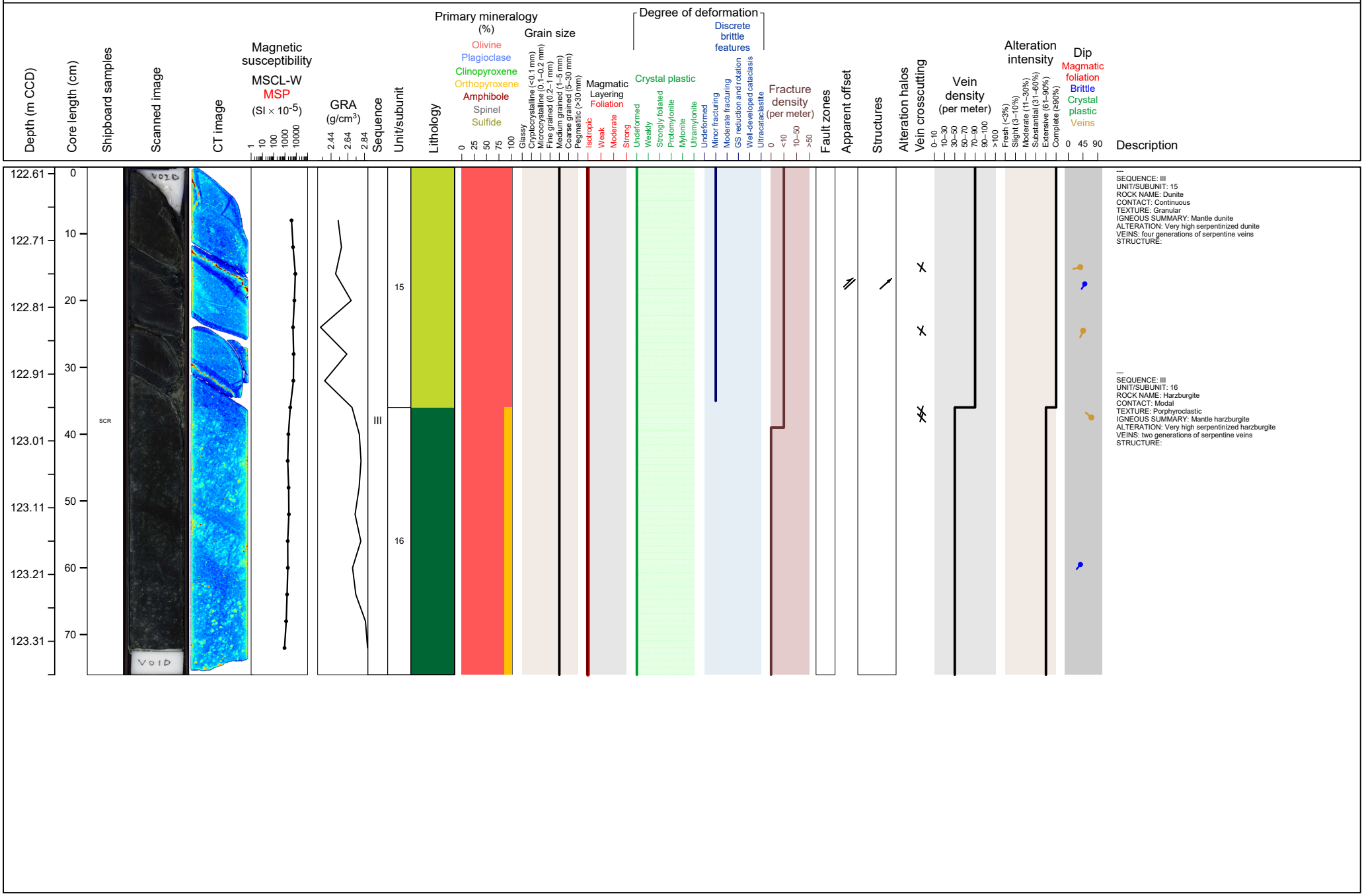


SEQUENCE: III
UNIT/SUBUNIT: 13
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Mantle dunite
ALTERATION: Very high serpentinized dunite
VEINS: no visible veins
STRUCTURE:

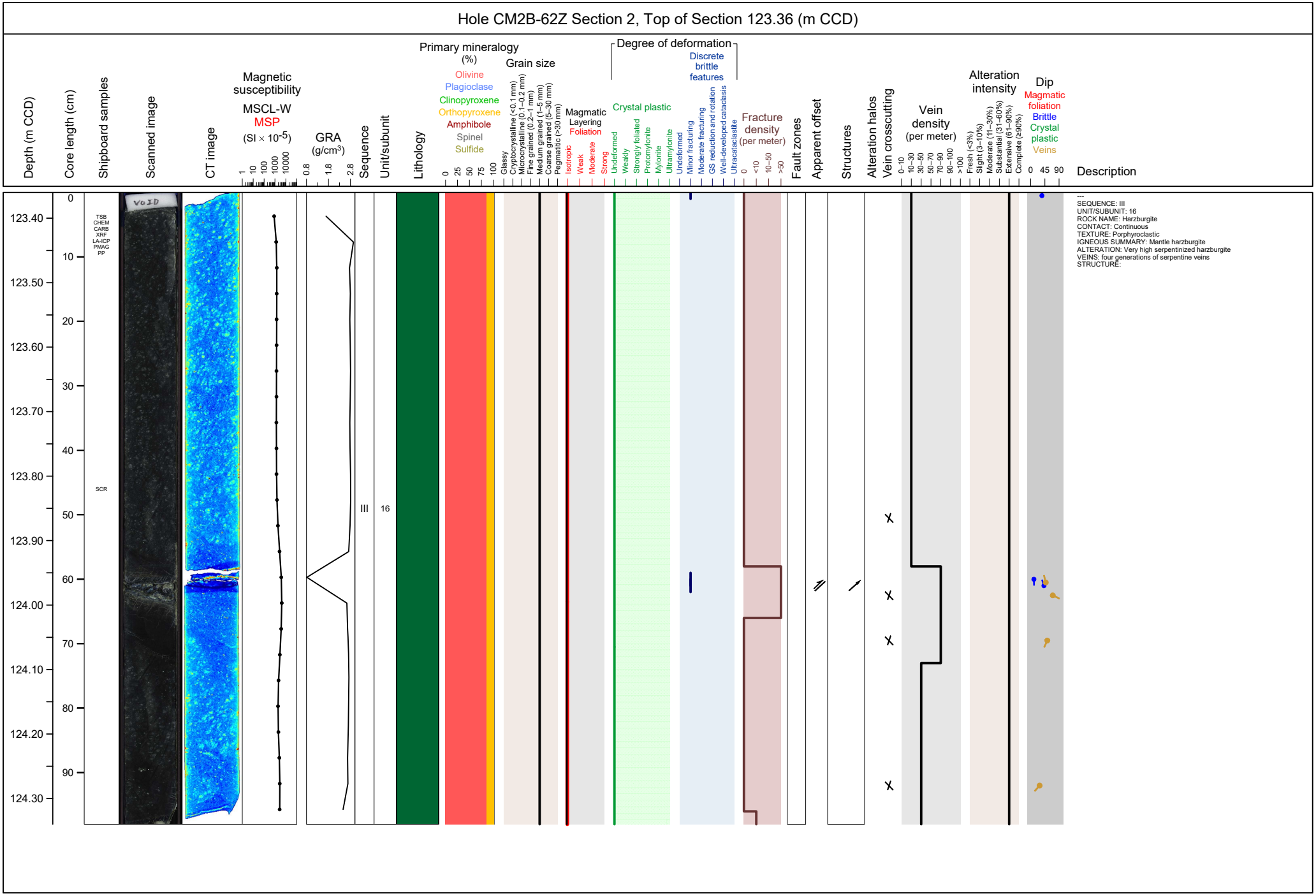
SEQUENCE: III
UNIT/SUBUNIT: 14
ROCK NAME: Harzburgite
CONTACT: Modal
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Very high serpentinized harzburgite
VEINS: four generations of serpentine veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 15
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Mantle dunite
ALTERATION: Very high serpentinized dunite
VEINS: four generations of serpentine veins
STRUCTURE:

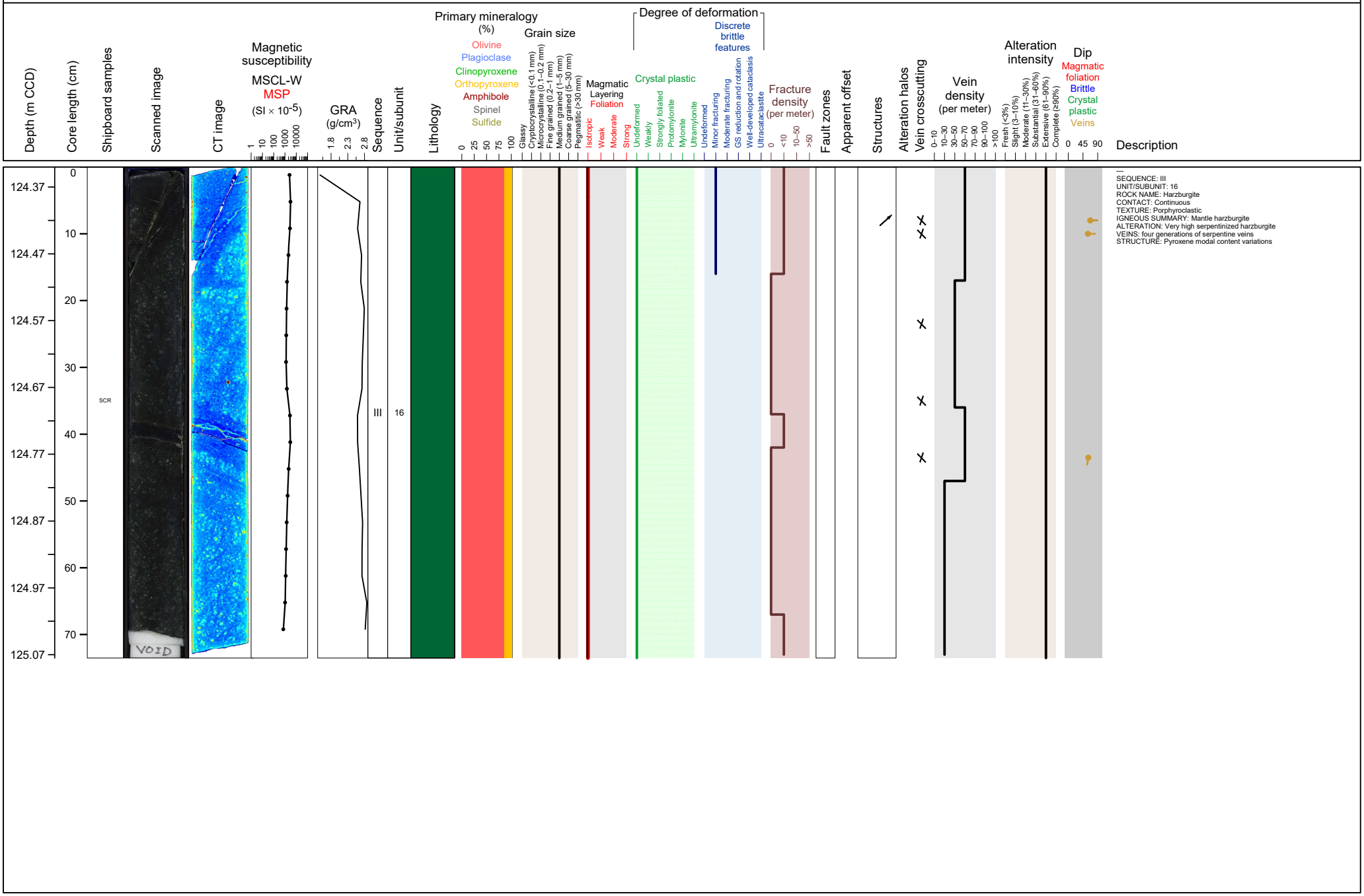
Hole CM2B-62Z Section 1, Top of Section 122.60 (m CCD)



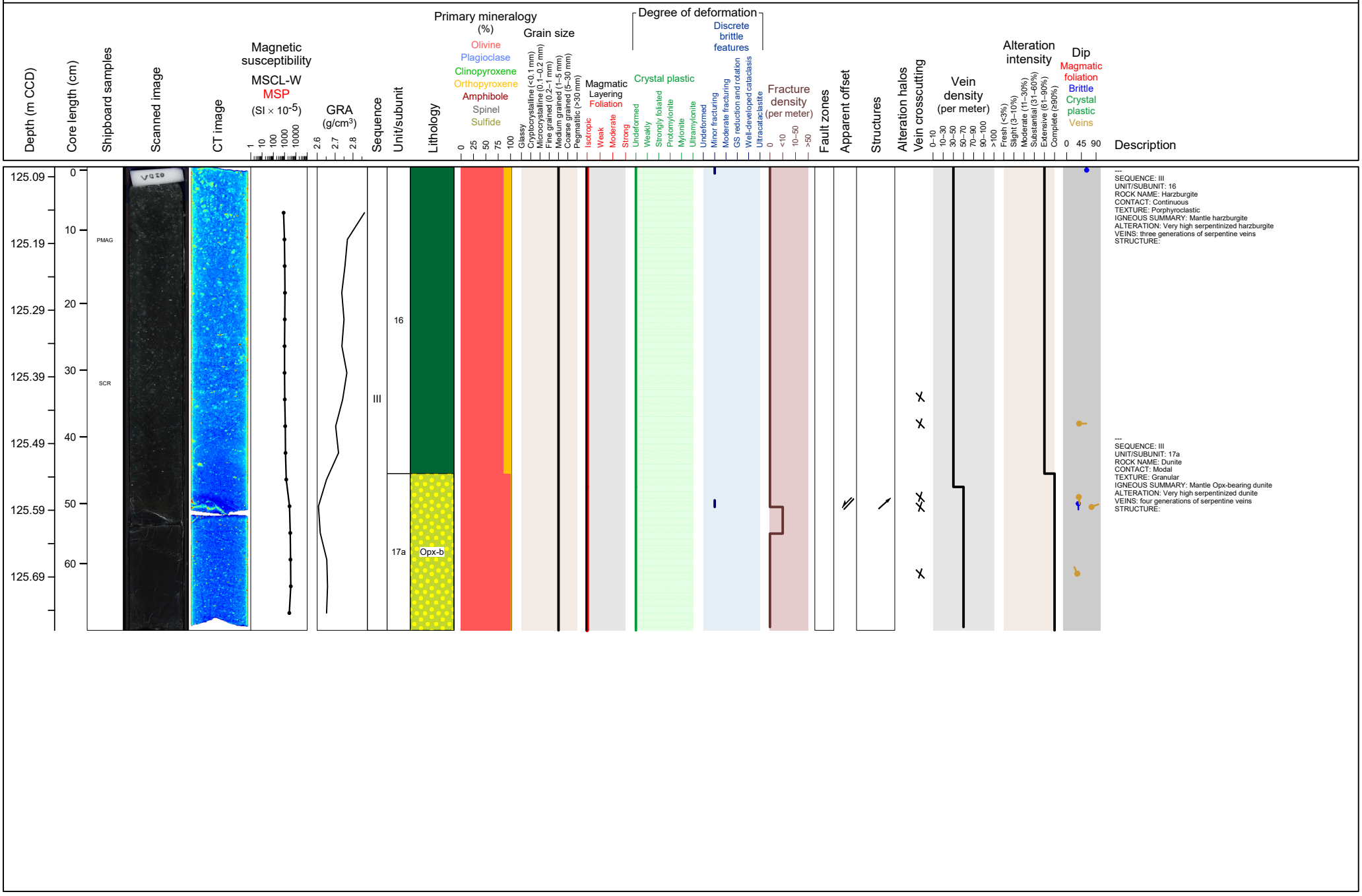
Hole CM2B-62Z Section 2, Top of Section 123.36 (m CCD)



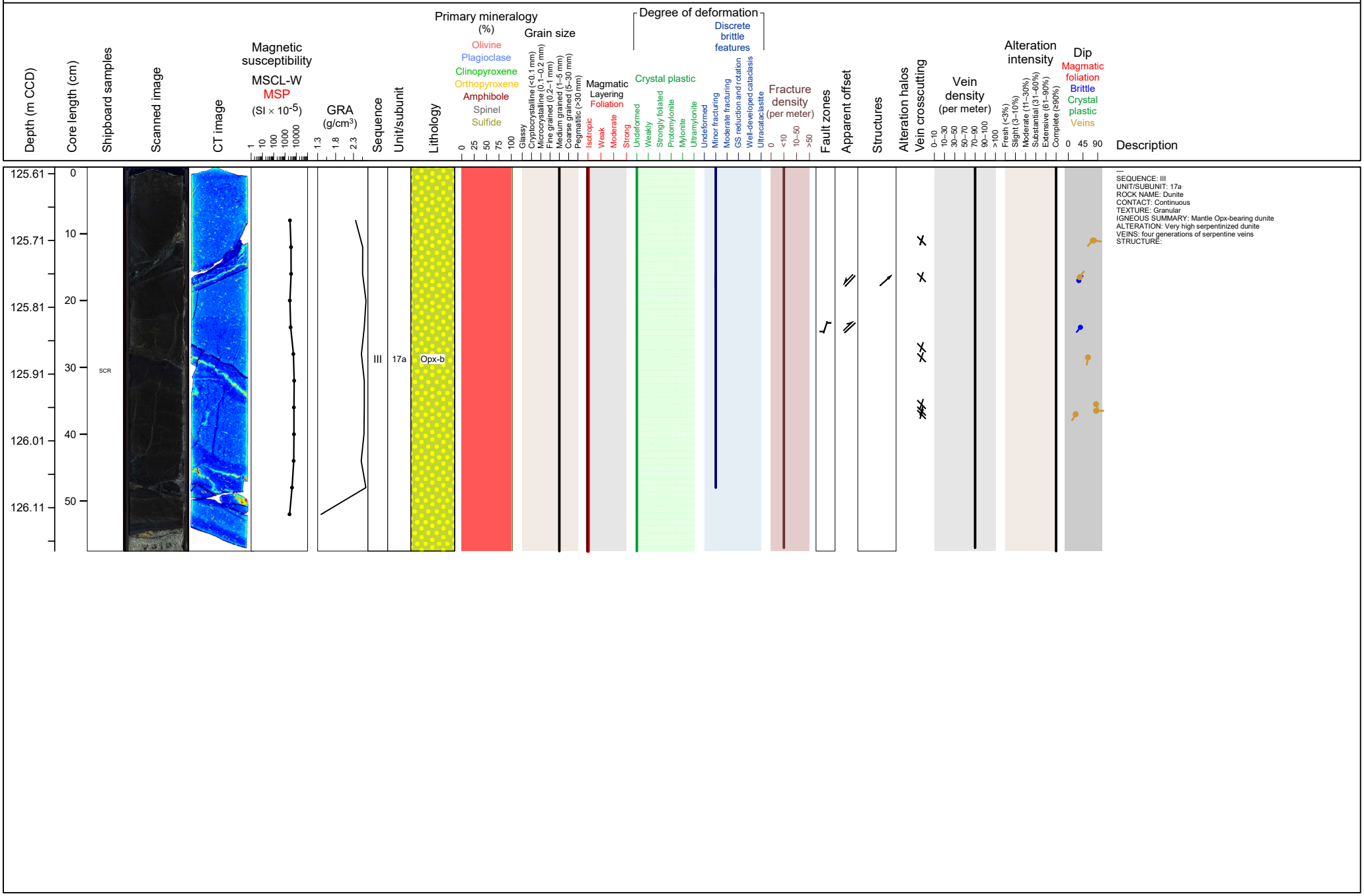
Hole CM2B-62Z Section 3, Top of Section 124.34 (m CCD)



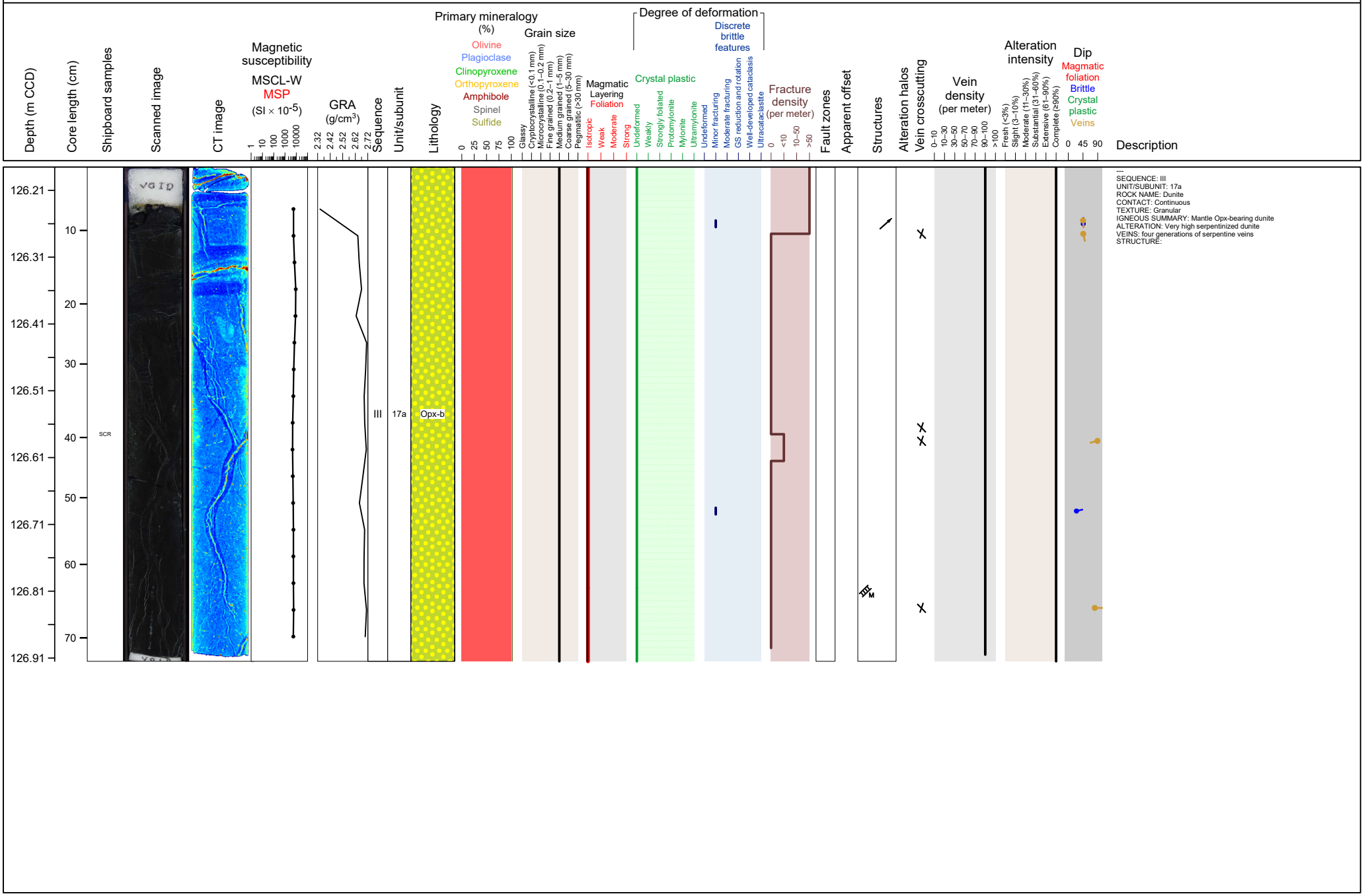
Hole CM2B-62Z Section 4, Top of Section 125.08 (m CCD)



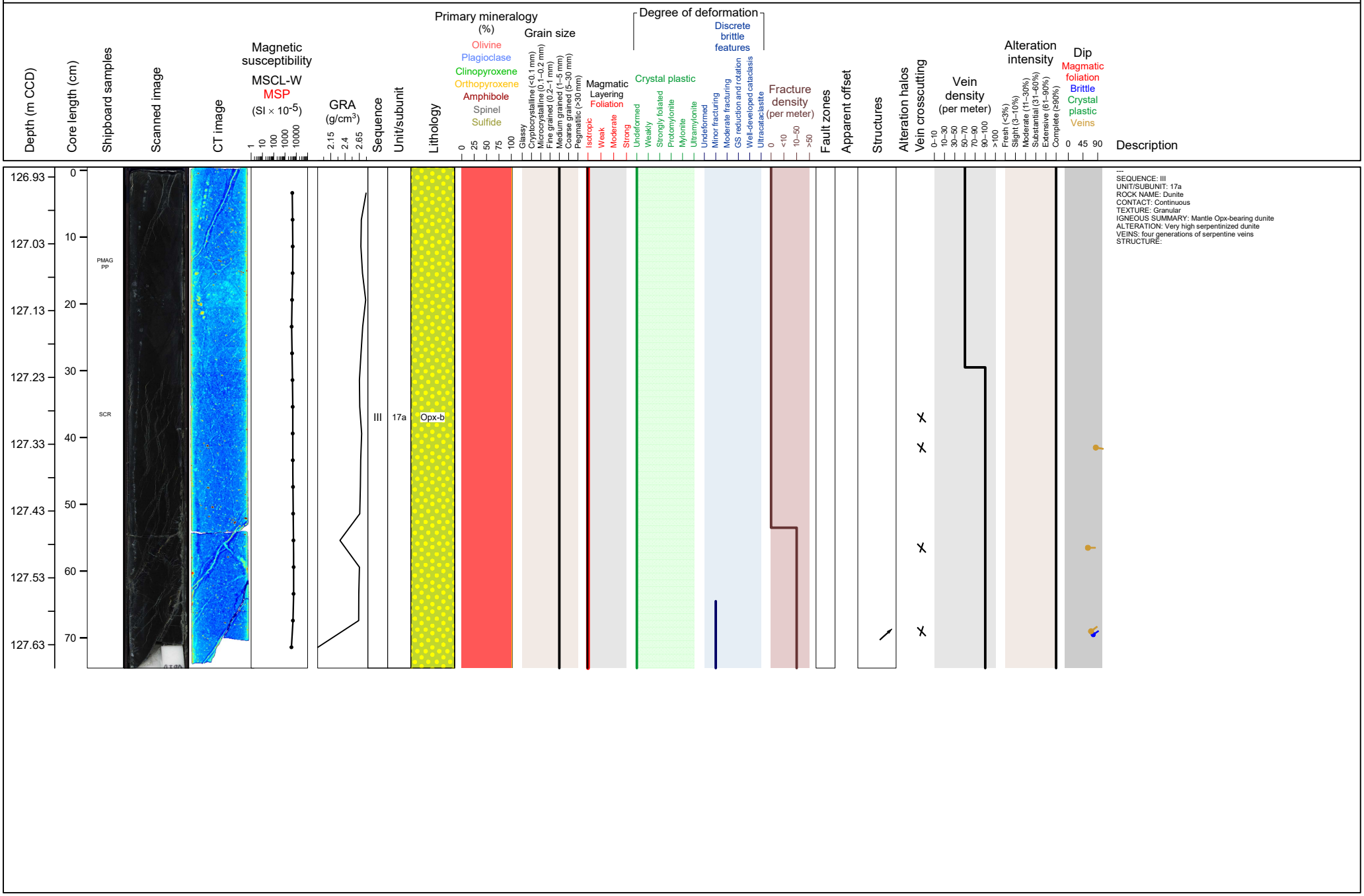
Hole CM2B-63Z Section 1, Top of Section 125.60 (m CCD)



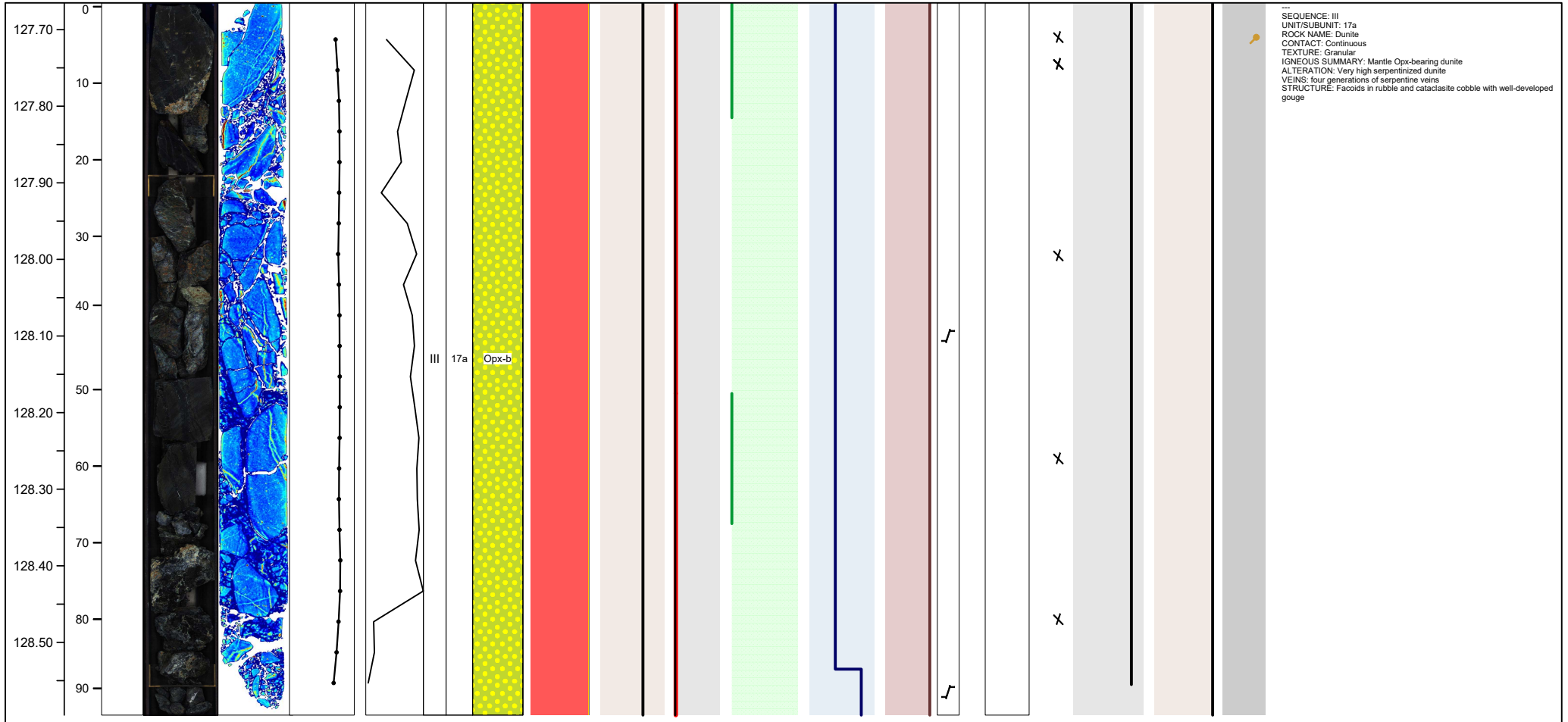
Hole CM2B-63Z Section 2, Top of Section 126.18 (m CCD)



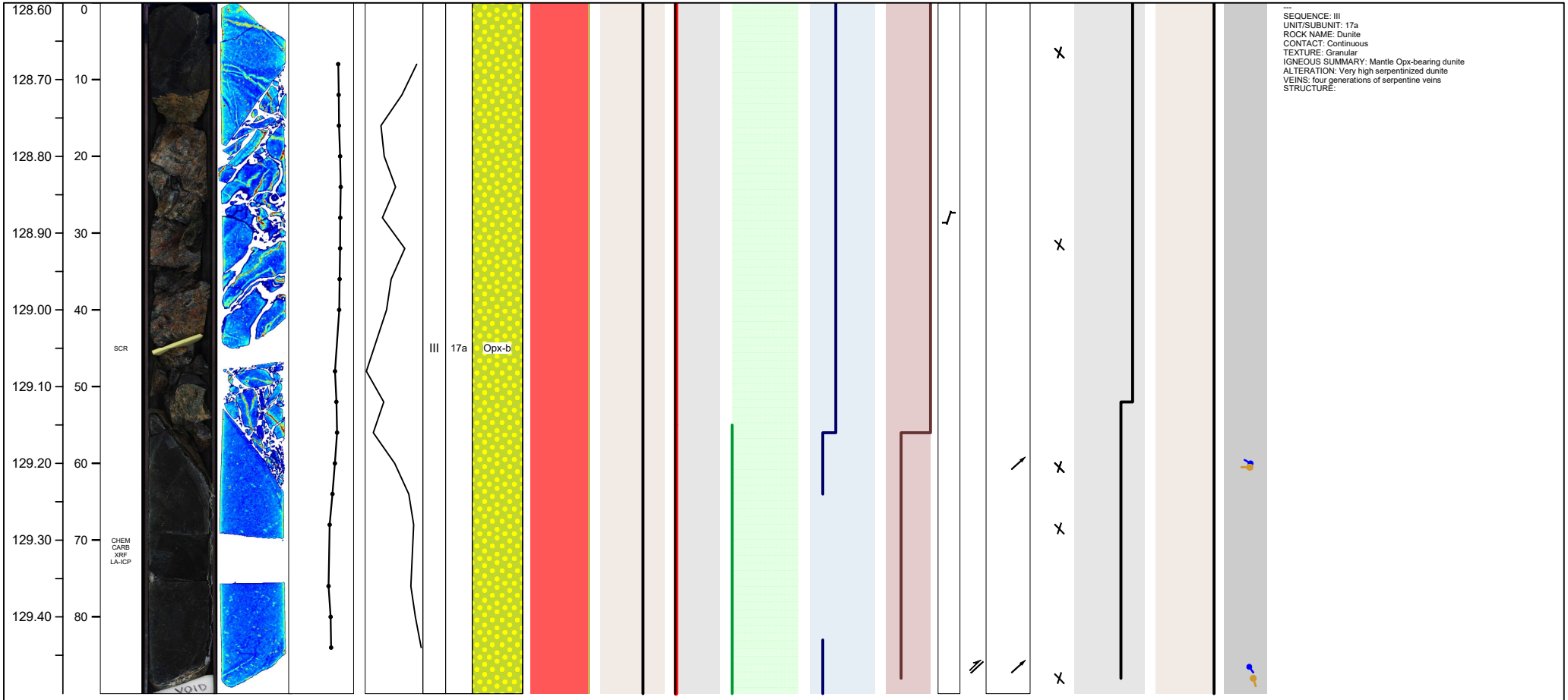
Hole CM2B-63Z Section 3, Top of Section 126.92 (m CCD)



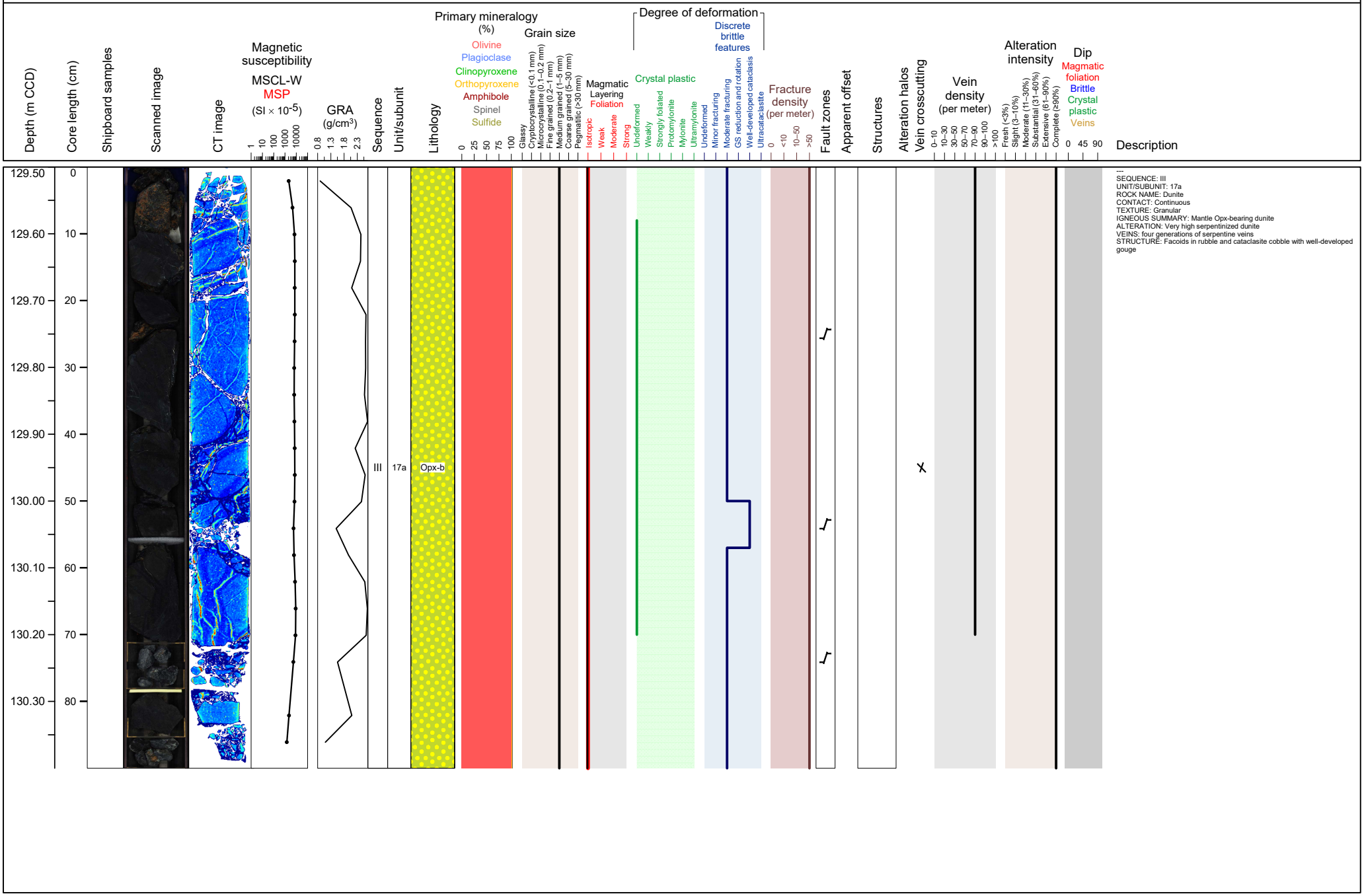
Hole CM2B-63Z Section 4, Top of Section 127.67 (m CCD)



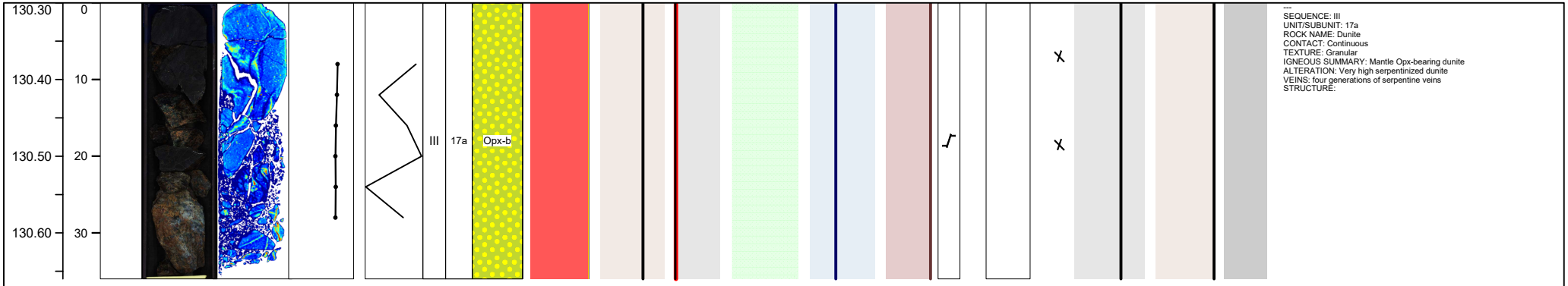
Hole CM2B-64Z Section 1, Top of Section 128.60 (m CCD)



Hole CM2B-64Z Section 2, Top of Section 129.50 (m CCD)

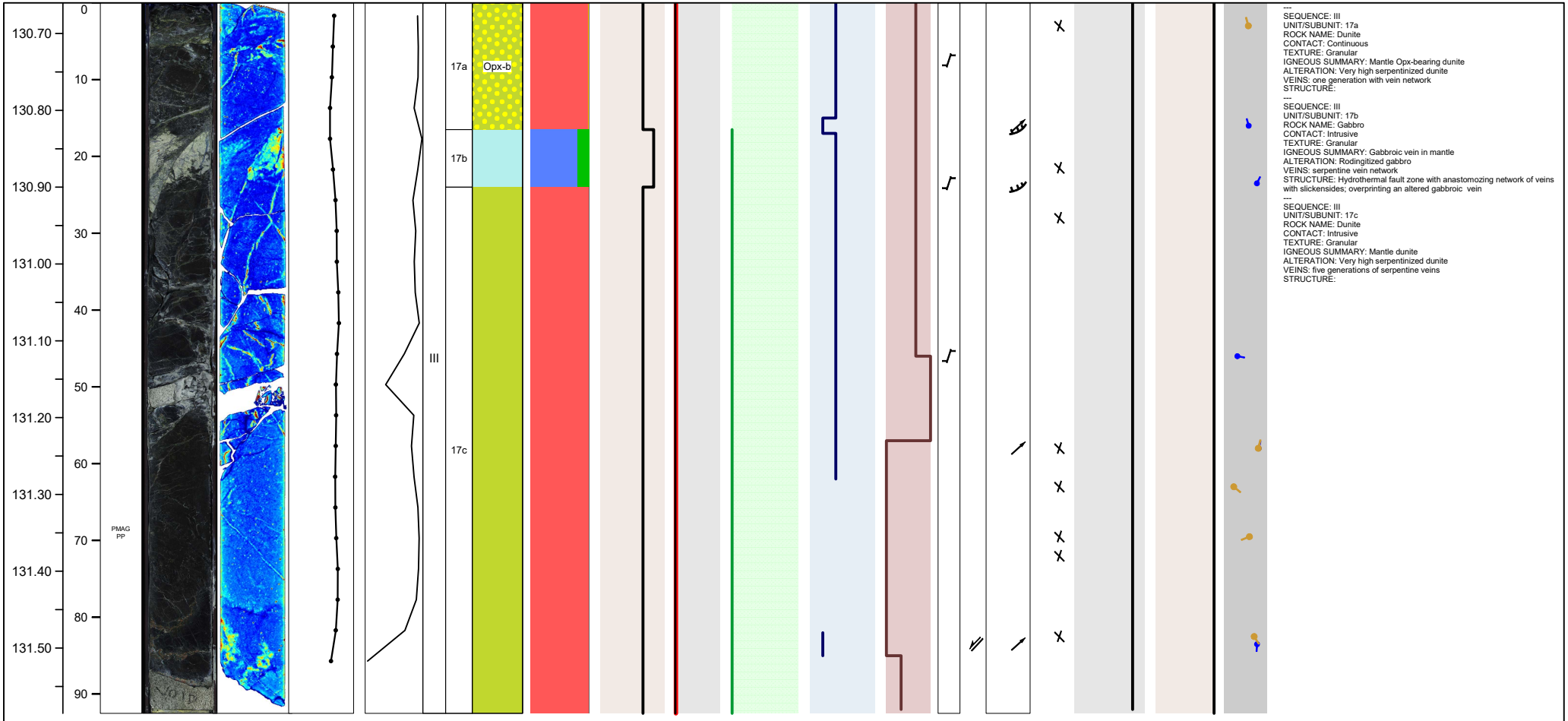


Hole CM2B-65Z Section 1, Top of Section 130.30 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 17a
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Mantle Opx-bearing dunite
ALTERATION: Very high serpentinized dunite
VEINS: four generations of serpentine veins
STRUCTURE:

Hole CM2B-65Z Section 2, Top of Section 130.66 (m CCD)

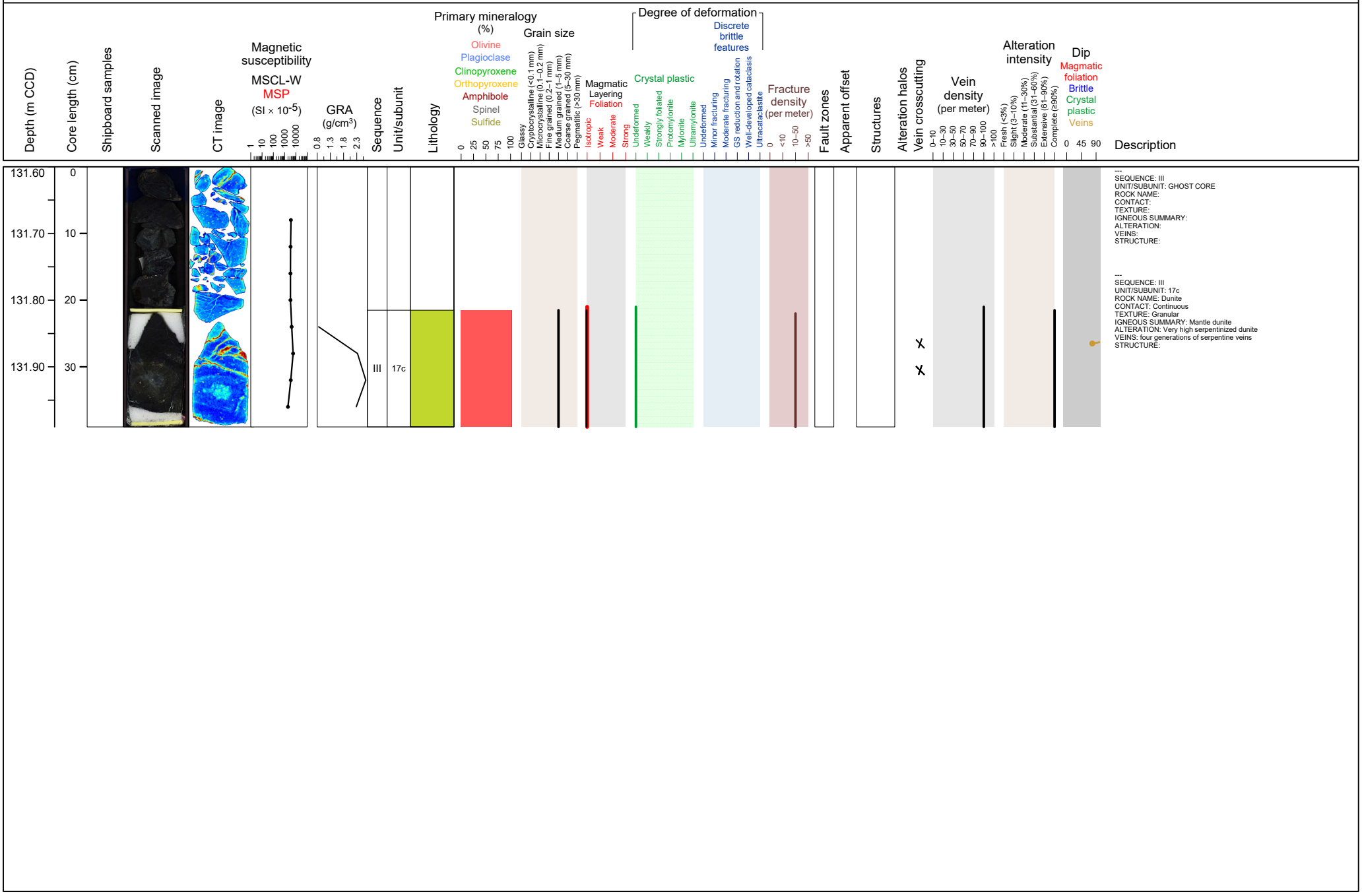


SEQUENCE: III
UNIT/SUBUNIT: 17a
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Mantle Opx-bearing dunite
ALTERATION: Very high serpentinized dunite
VEINS: one generation with vein network
STRUCTURE:

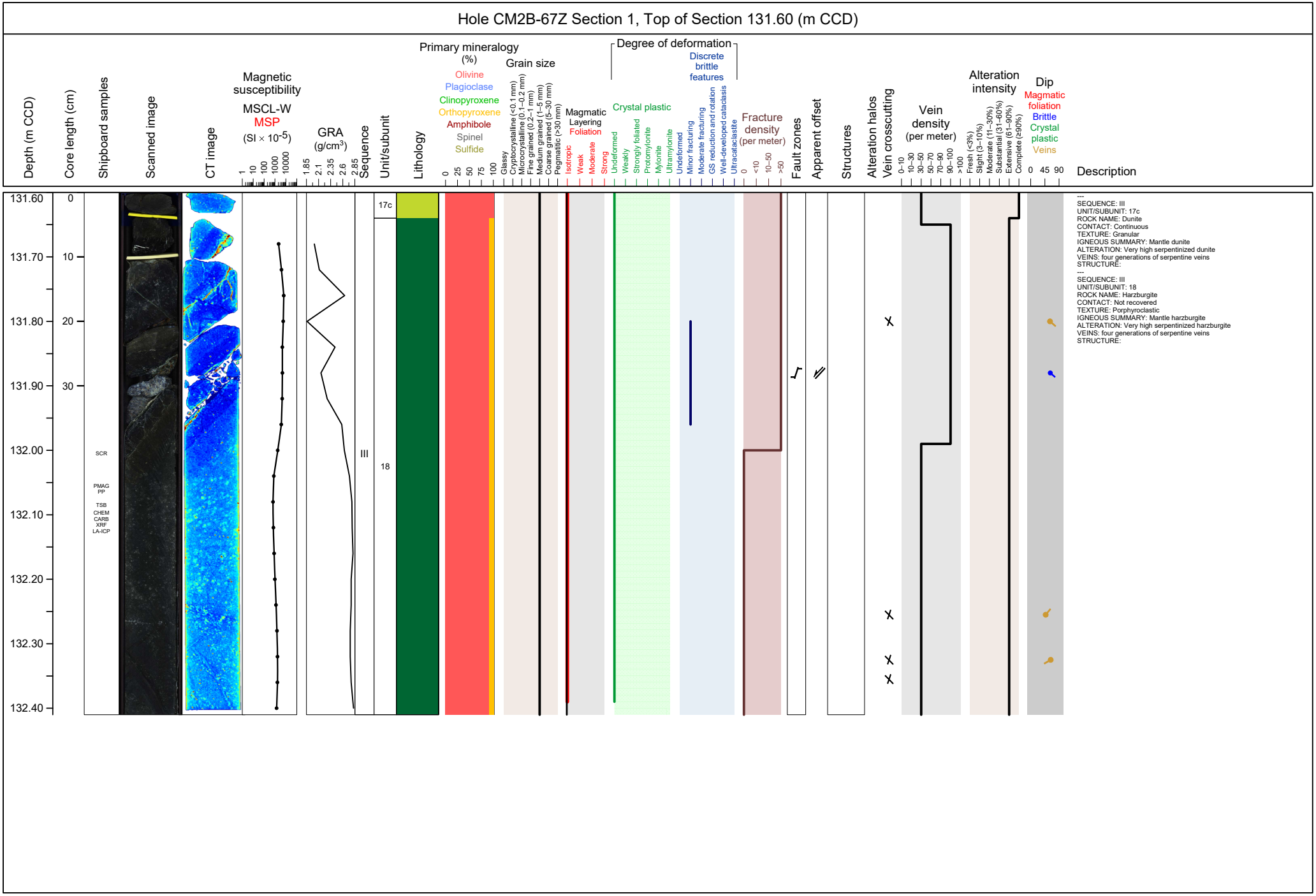
SEQUENCE: III
UNIT/SUBUNIT: 17b
ROCK NAME: Gabbro
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Gabbroic vein in mantle
ALTERATION: Rodingitized gabbro
VEINS: serpentine vein network
STRUCTURE: Hydrothermal fault zone with anastomozing network of veins with slickensides; overprinting an altered gabbroic vein
---
SEQUENCE: III
UNIT/SUBUNIT: 17c
ROCK NAME: Dunite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Mantle dunite
ALTERATION: Very high serpentinized dunite
VEINS: five generations of serpentine veins
STRUCTURE:

RE-DRILLED INTERVAL

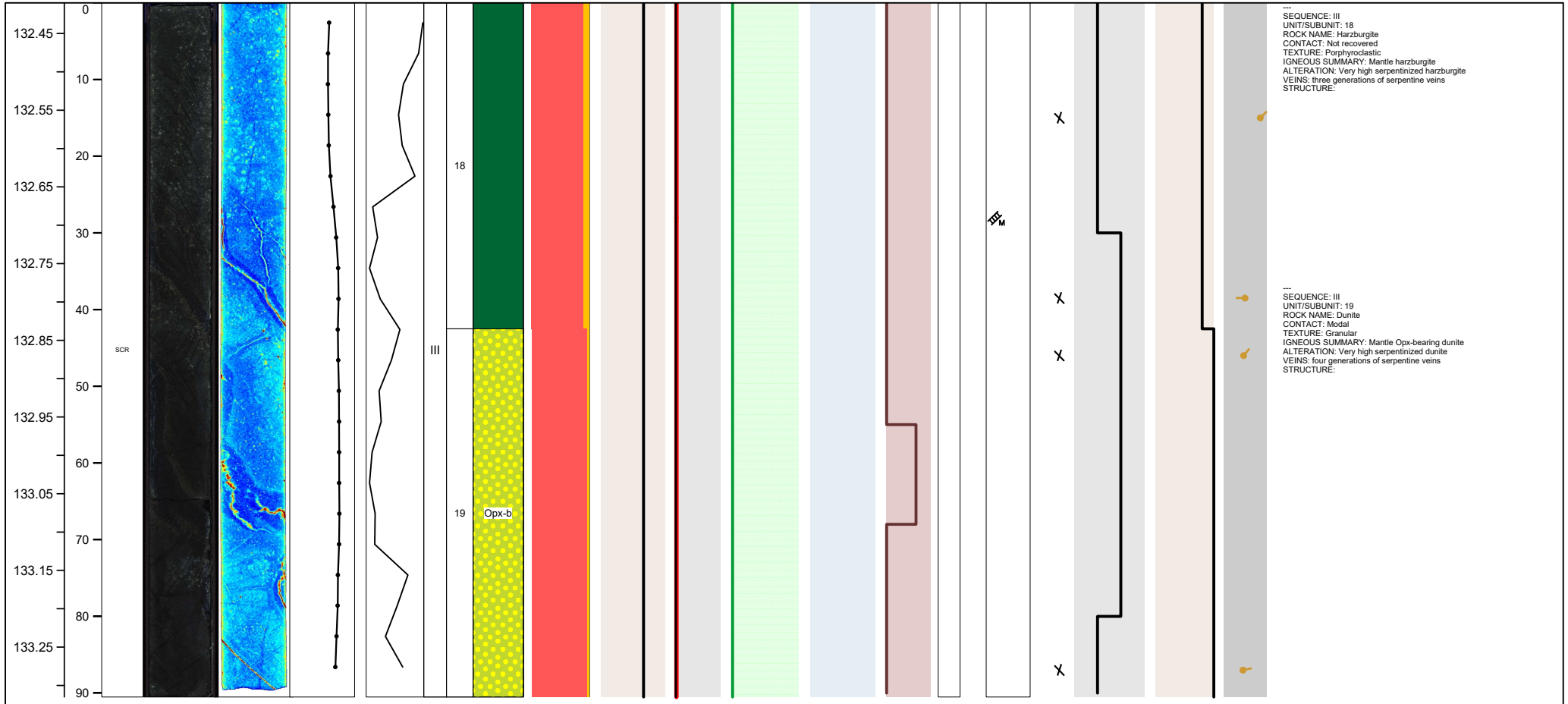
Hole CM2B-66Z Section 1, Top of Section 131.60 (m CCD)



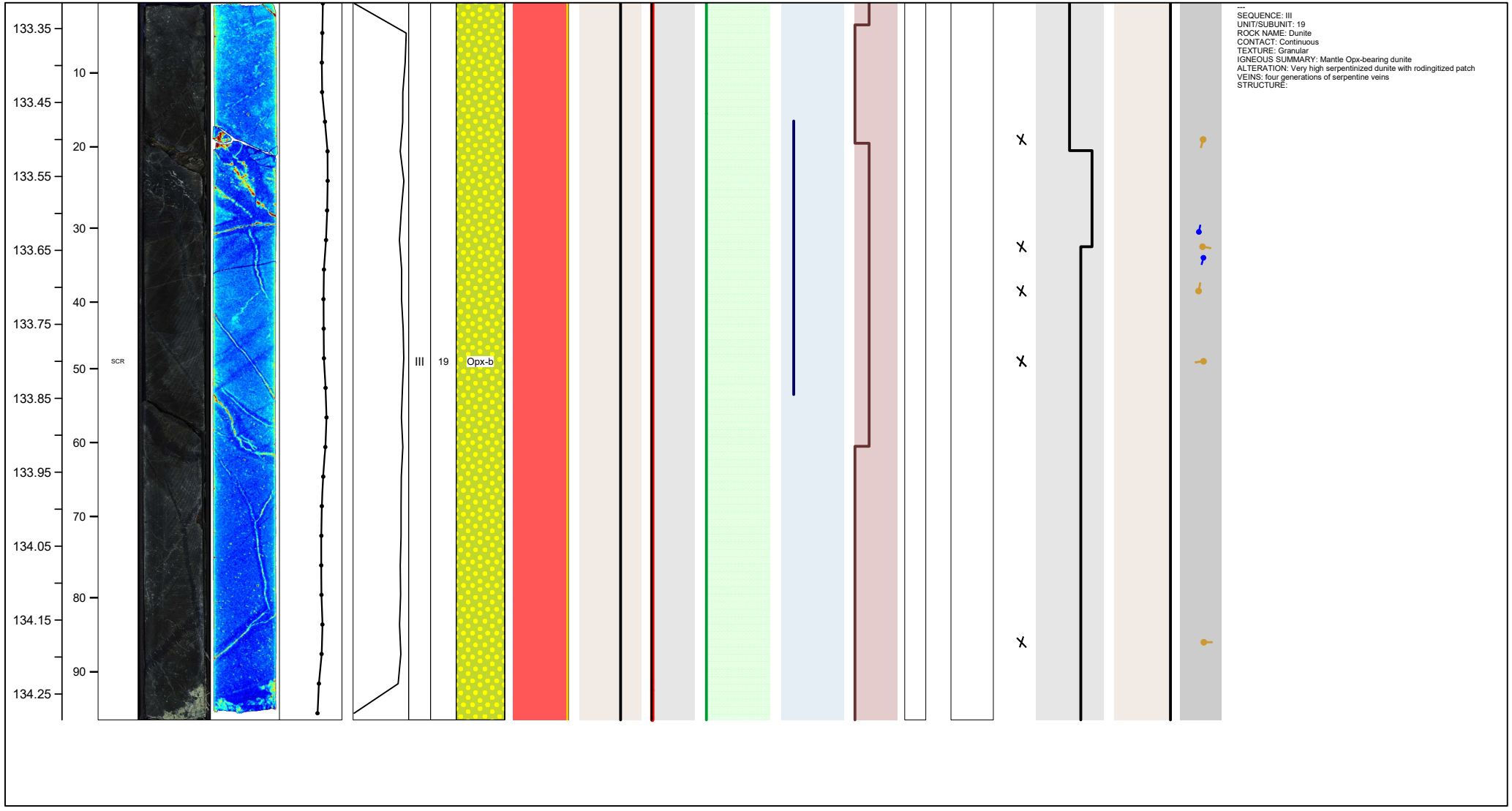
Hole CM2B-67Z Section 1, Top of Section 131.60 (m CCD)



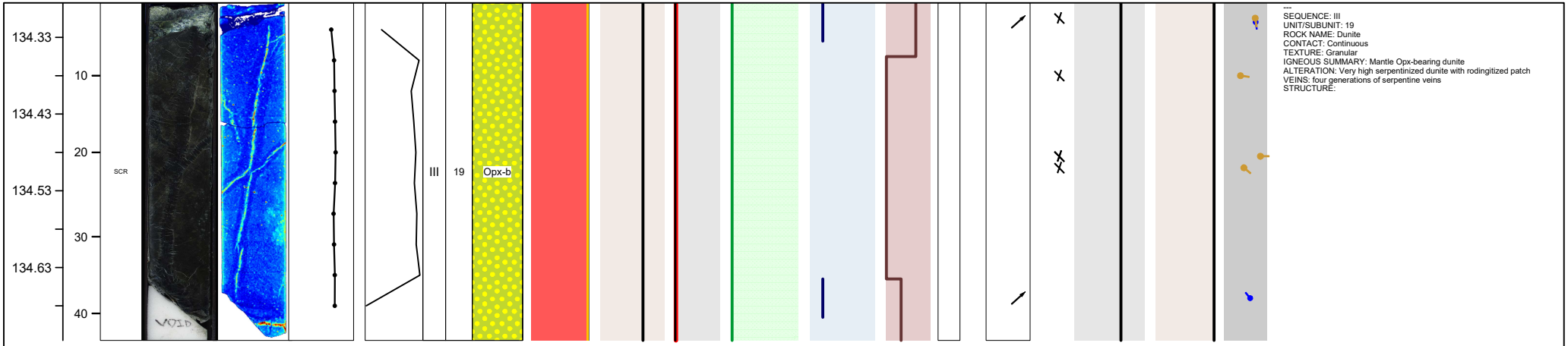
Hole CM2B-67Z Section 2, Top of Section 132.41 (m CCD)



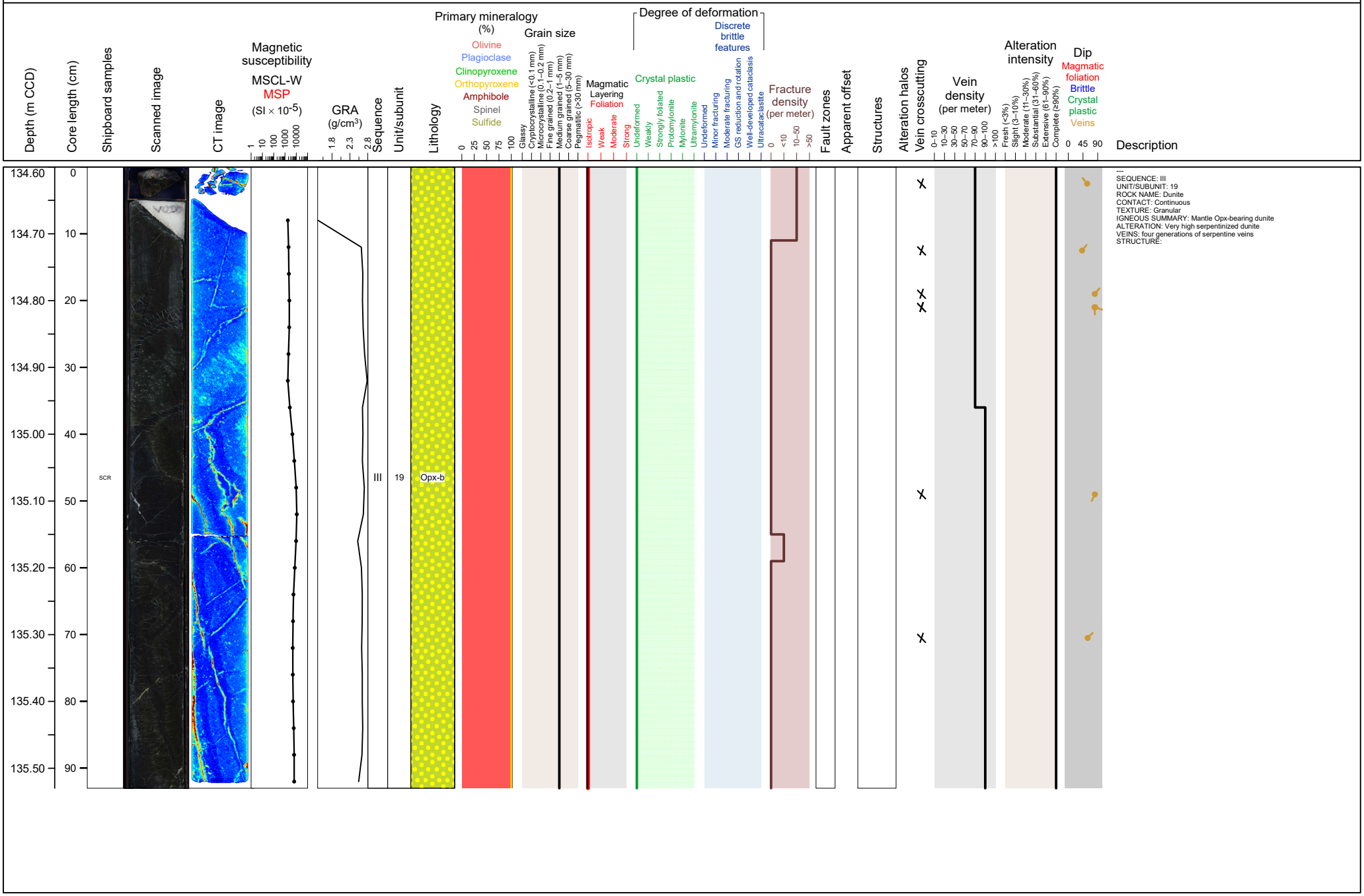
Hole CM2B-67Z Section 3, Top of Section 133.32 (m CCD)



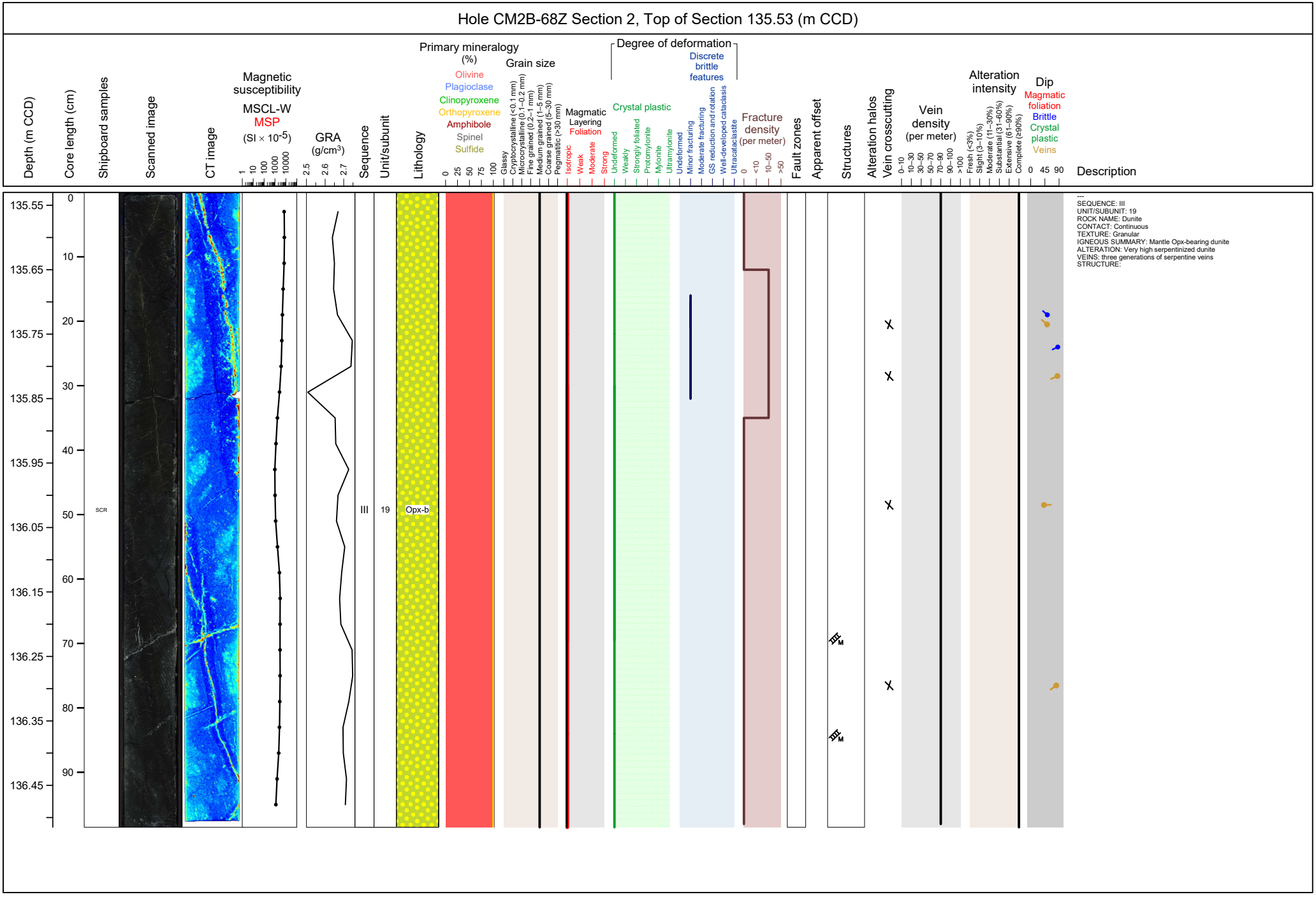
Hole CM2B-67Z Section 4, Top of Section 134.29 (m CCD)



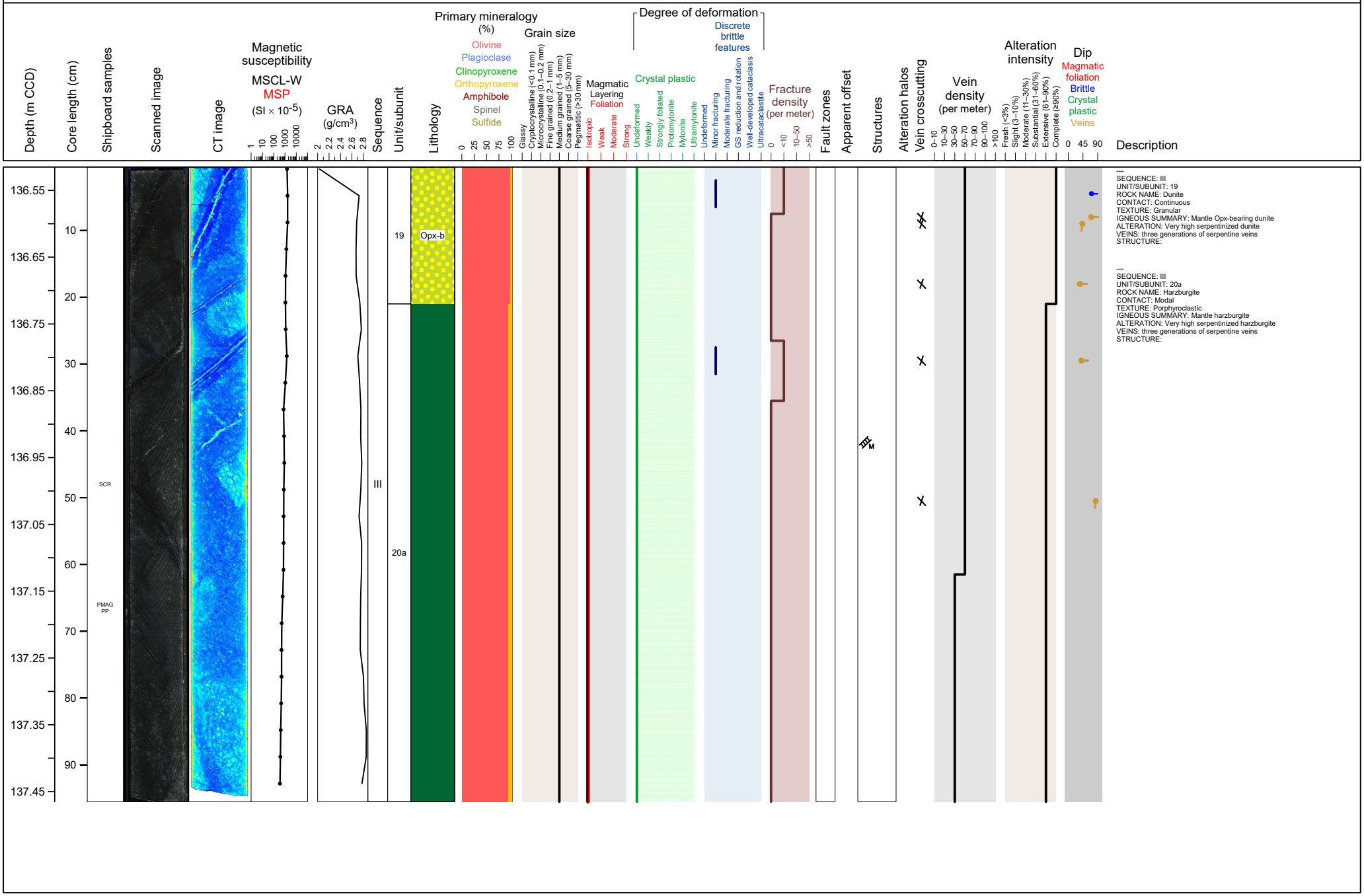
Hole CM2B-68Z Section 1, Top of Section 134.60 (m CCD)



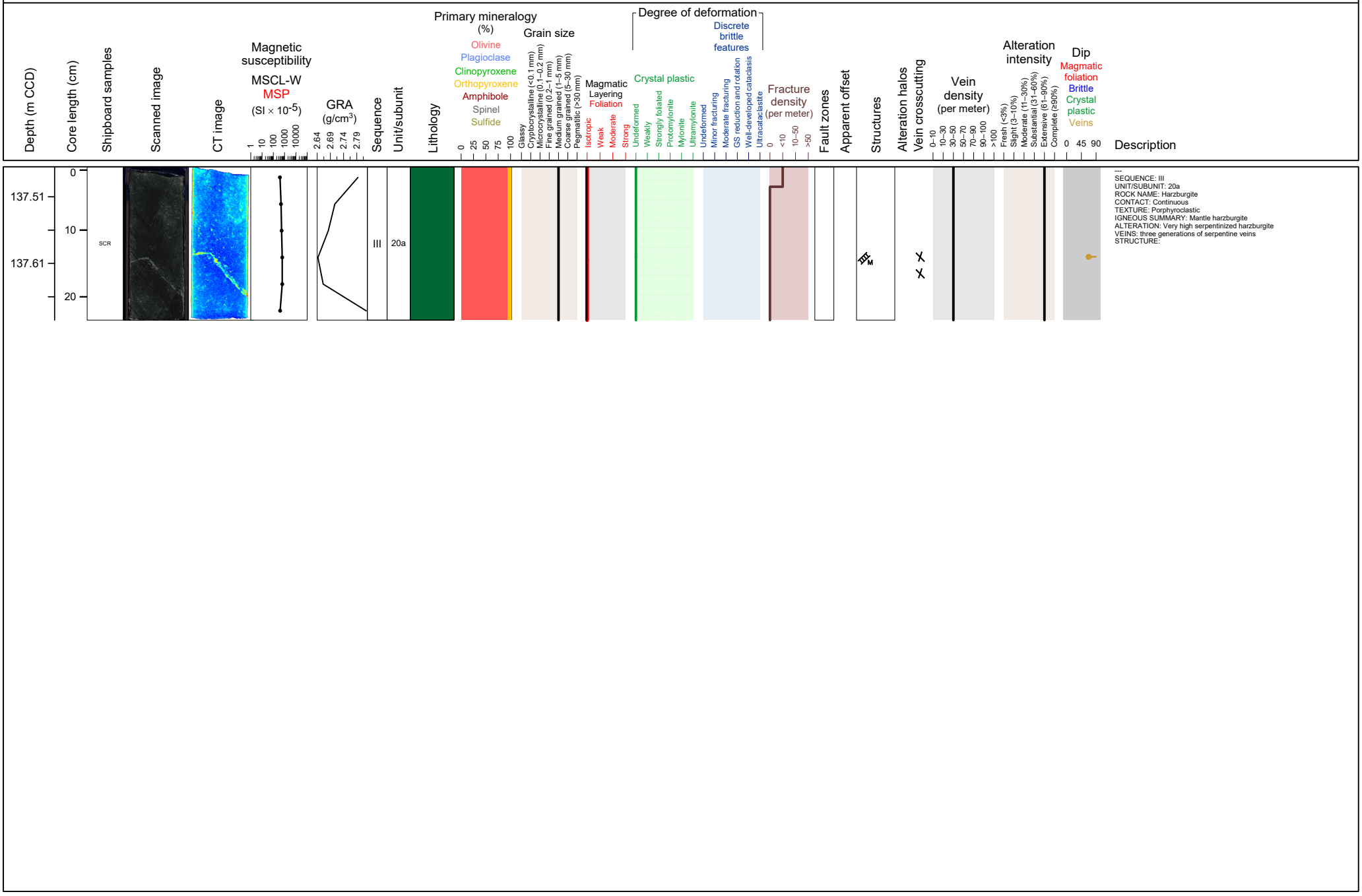
Hole CM2B-68Z Section 2, Top of Section 135.53 (m CCD)



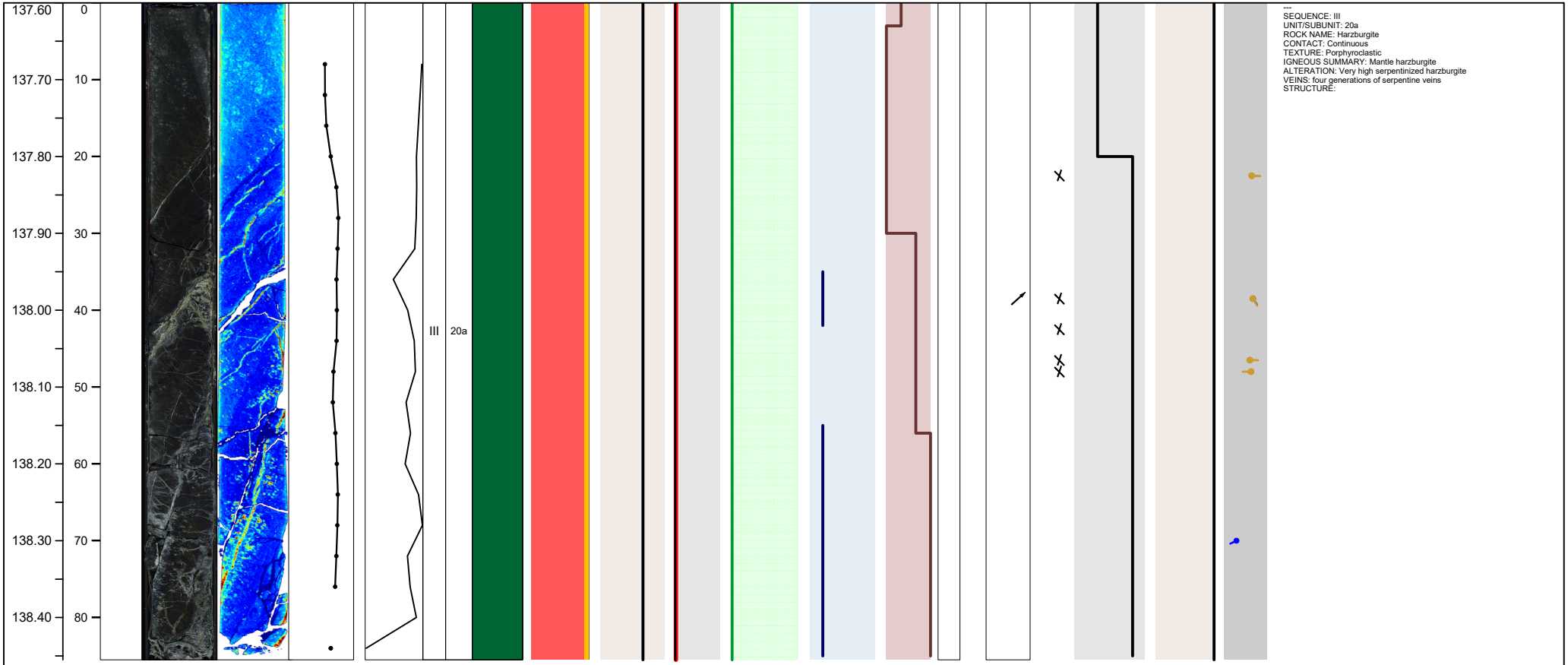
Hole CM2B-68Z Section 3, Top of Section 136.52 (m CCD)



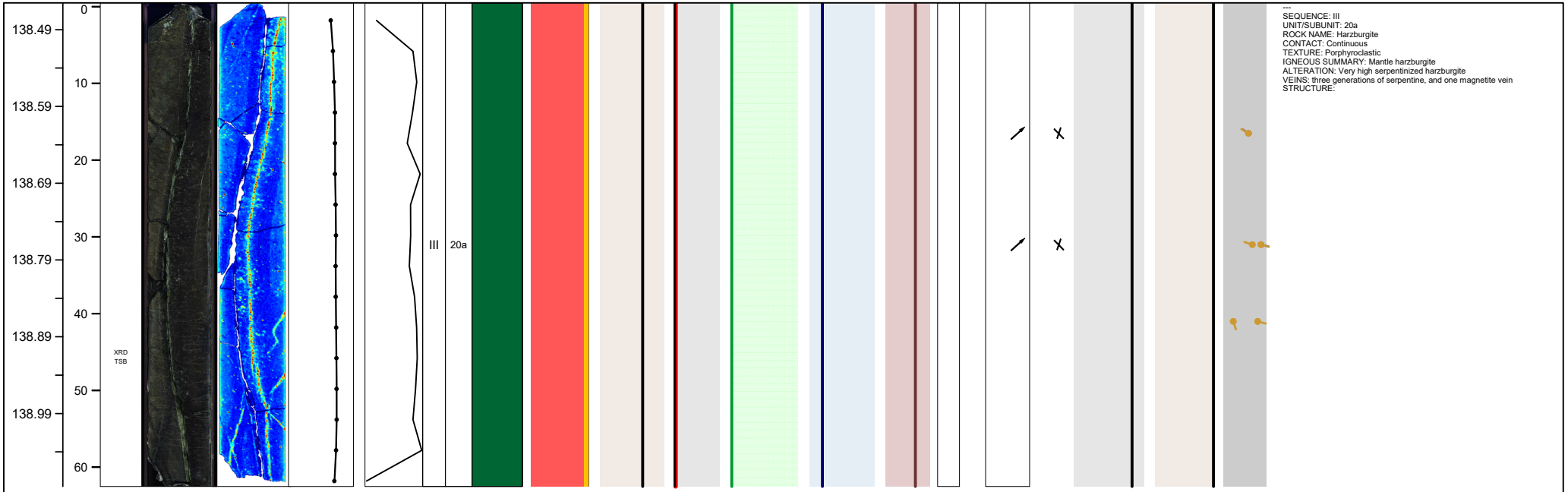
Hole CM2B-68Z Section 4, Top of Section 137.47 (m CCD)



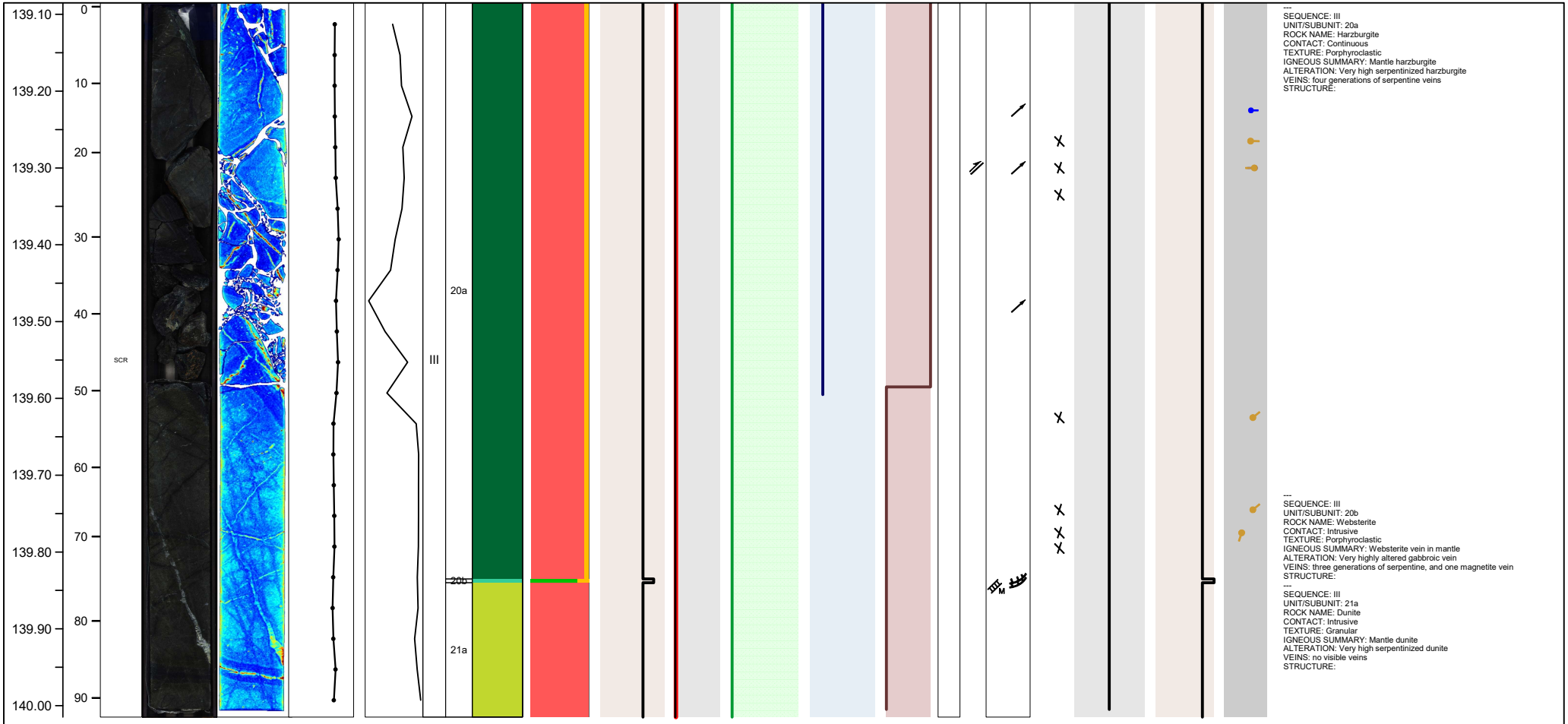
Hole CM2B-69Z Section 1, Top of Section 137.60 (m CCD)



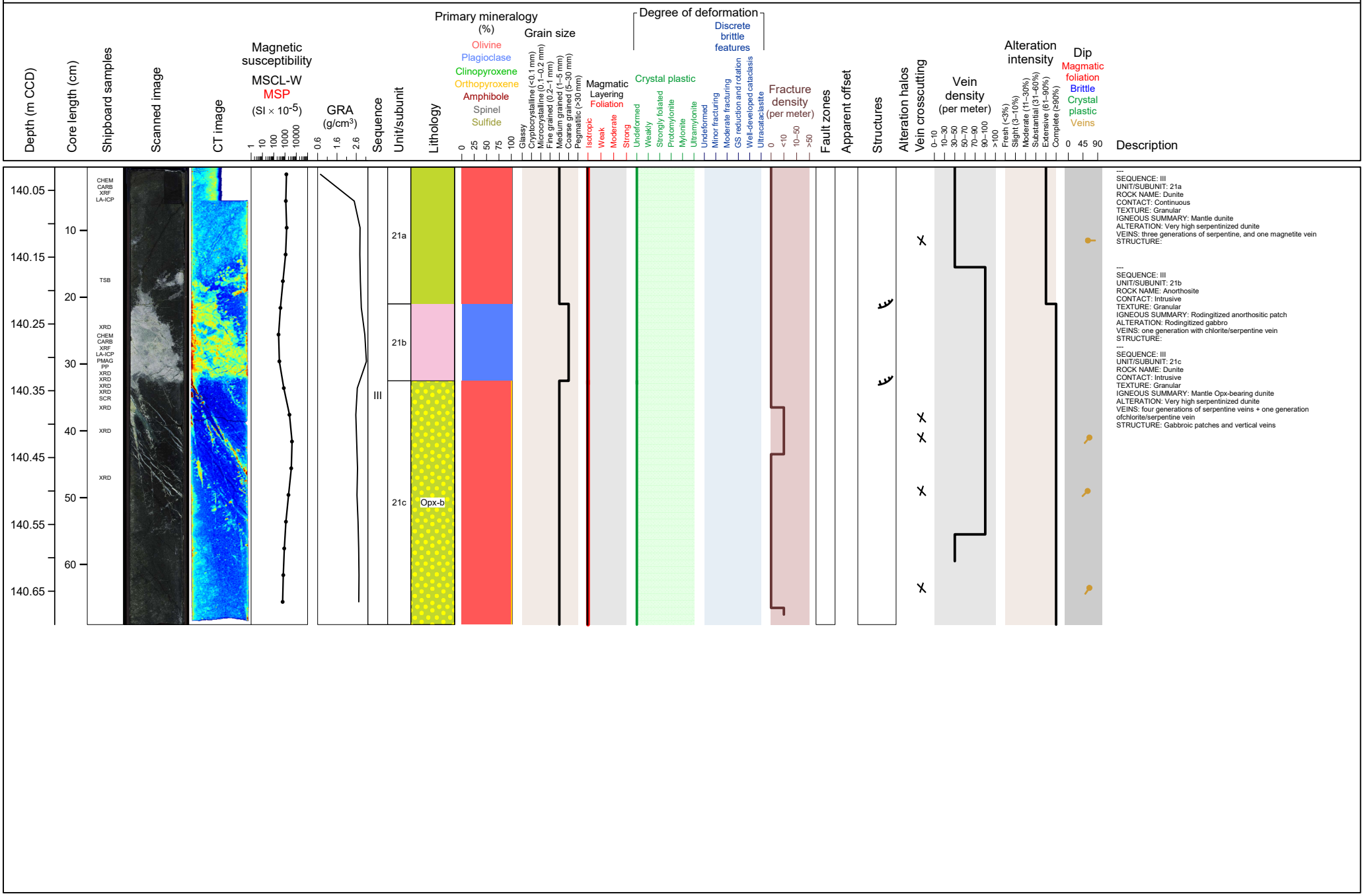
Hole CM2B-69Z Section 2, Top of Section 138.46 (m CCD)



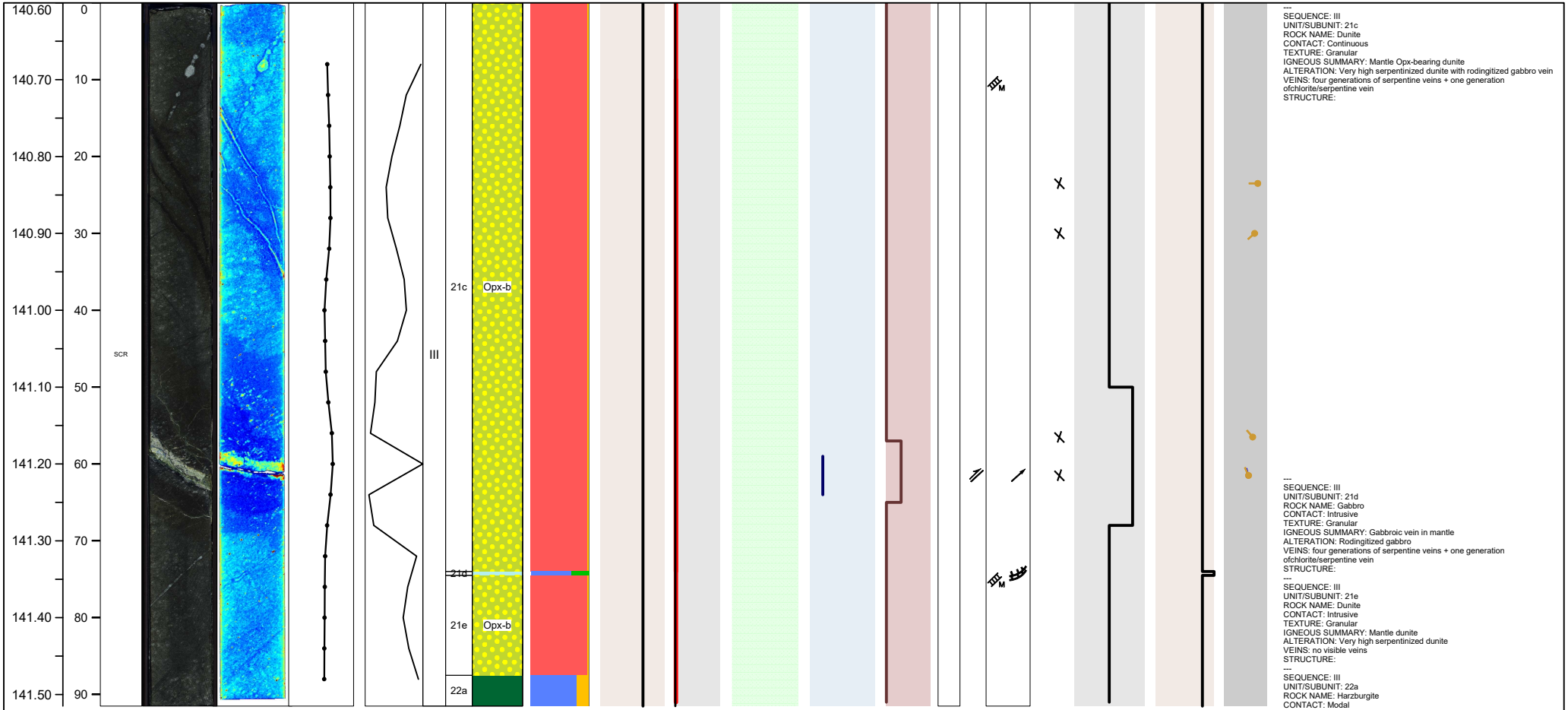
Hole CM2B-69Z Section 3, Top of Section 139.09 (m CCD)



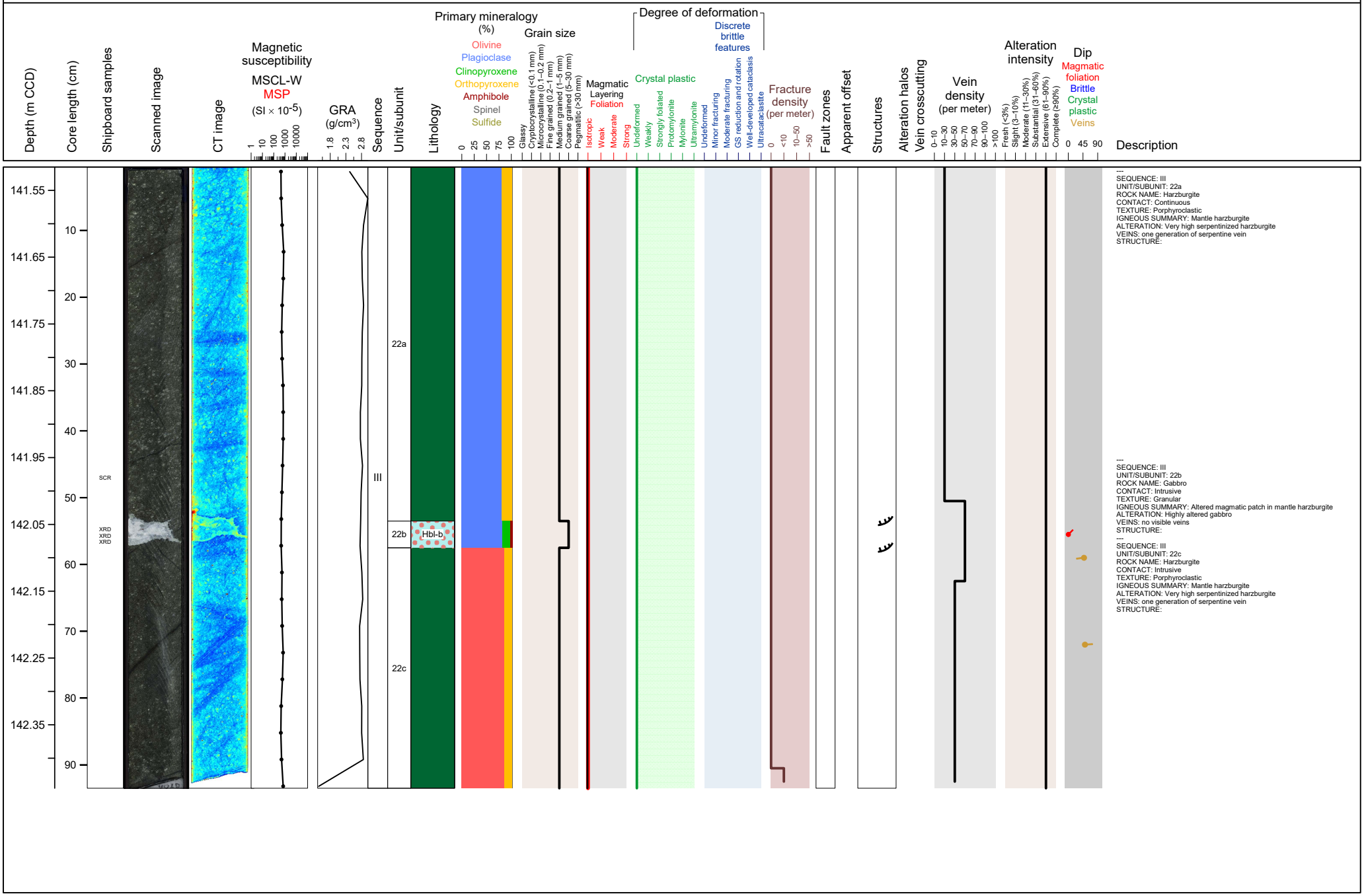
Hole CM2B-69Z Section 4, Top of Section 140.02 (m CCD)



Hole CM2B-70Z Section 1, Top of Section 140.60 (m CCD)



Hole CM2B-70Z Section 2, Top of Section 141.52 (m CCD)

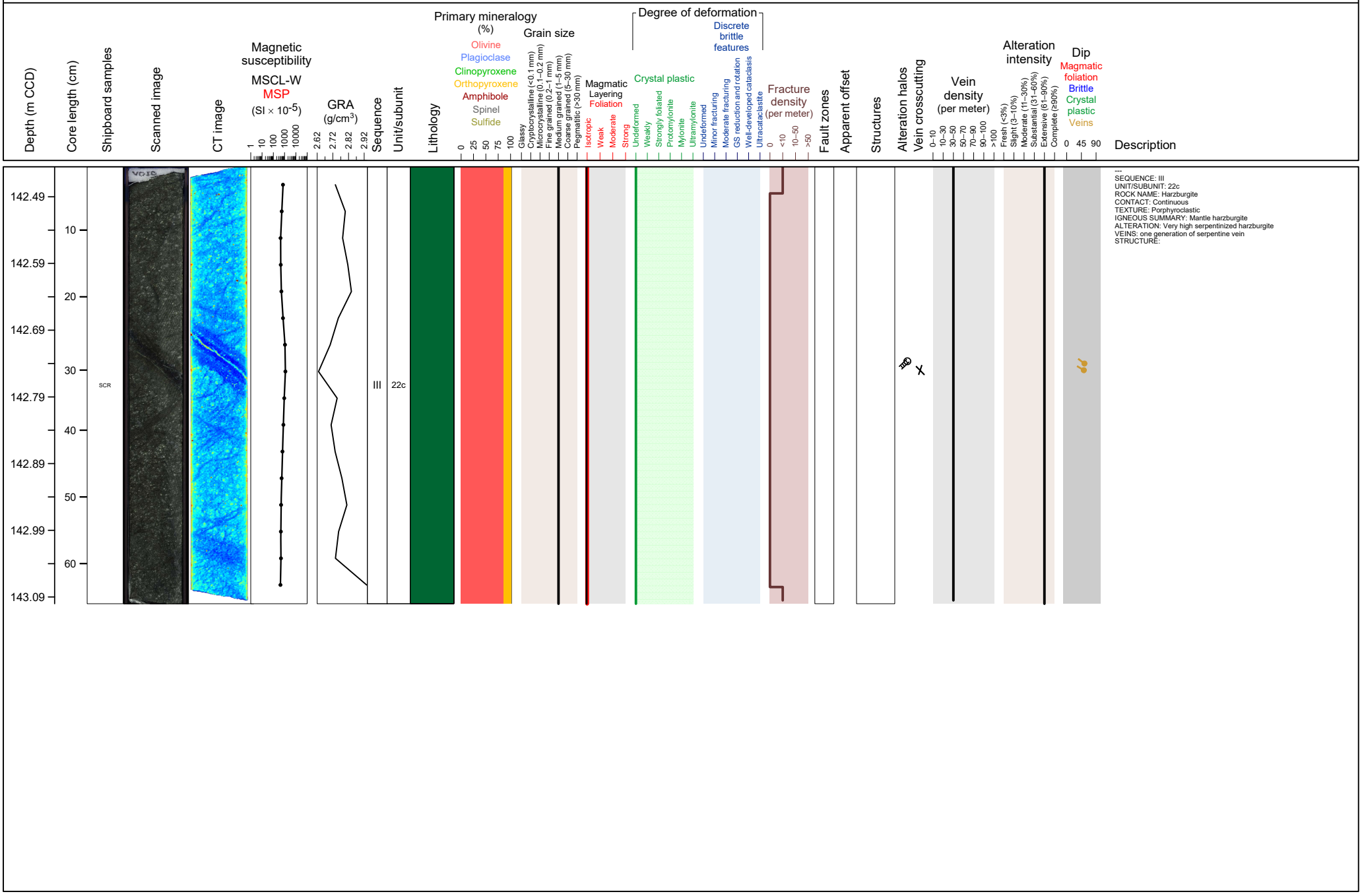


SEQUENCE: III
UNIT/SUBUNIT: 22a
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Very high serpentinized harzburgite
VEINS: one generation of serpentine vein
STRUCTURE:

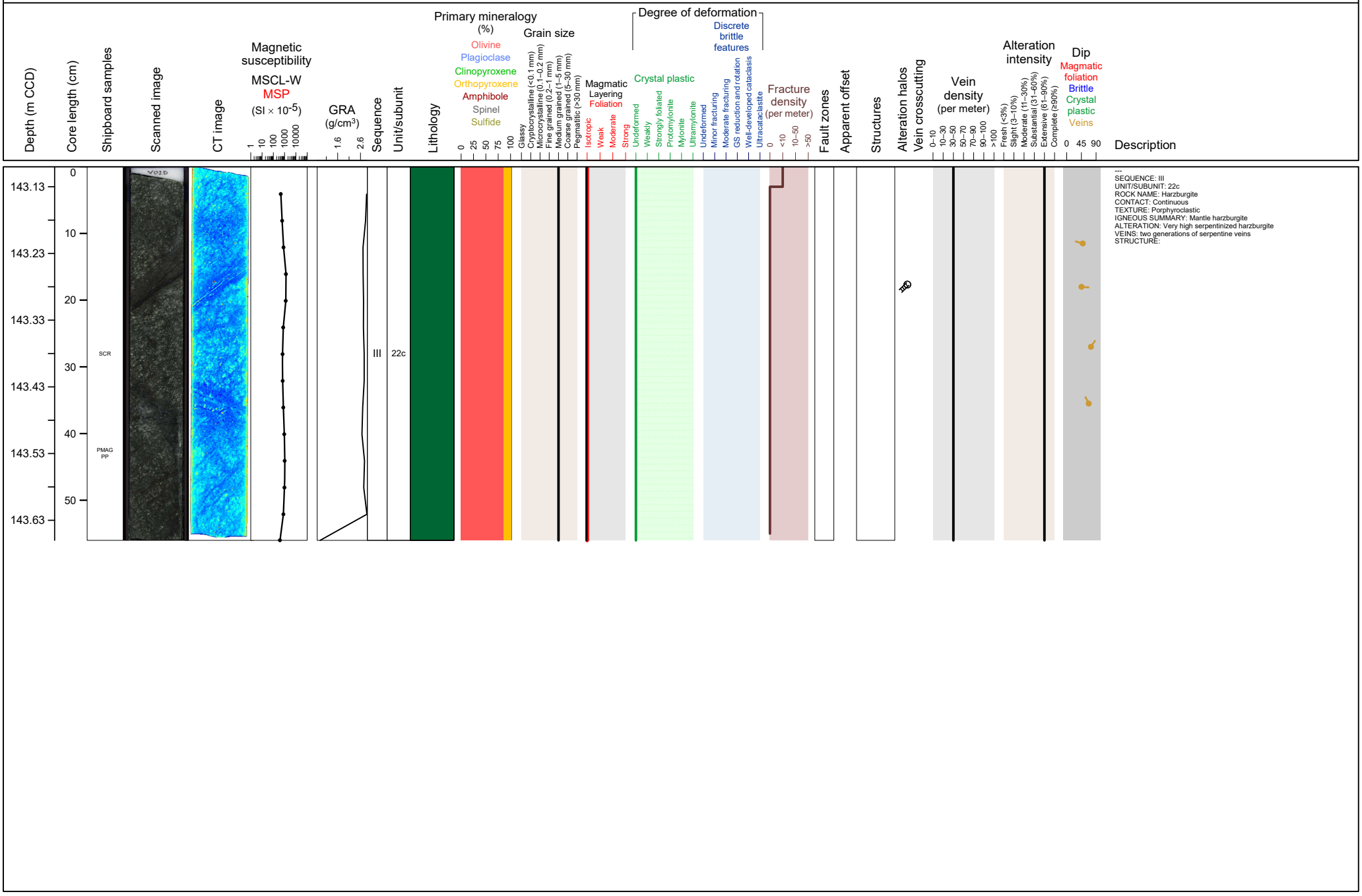
SEQUENCE: III
UNIT/SUBUNIT: 22b
ROCK NAME: Gabbro
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Altered magmatic patch in mantle harzburgite
ALTERATION: Highly altered gabbro
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 22c
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Very high serpentinized harzburgite
VEINS: one generation of serpentine vein
STRUCTURE:

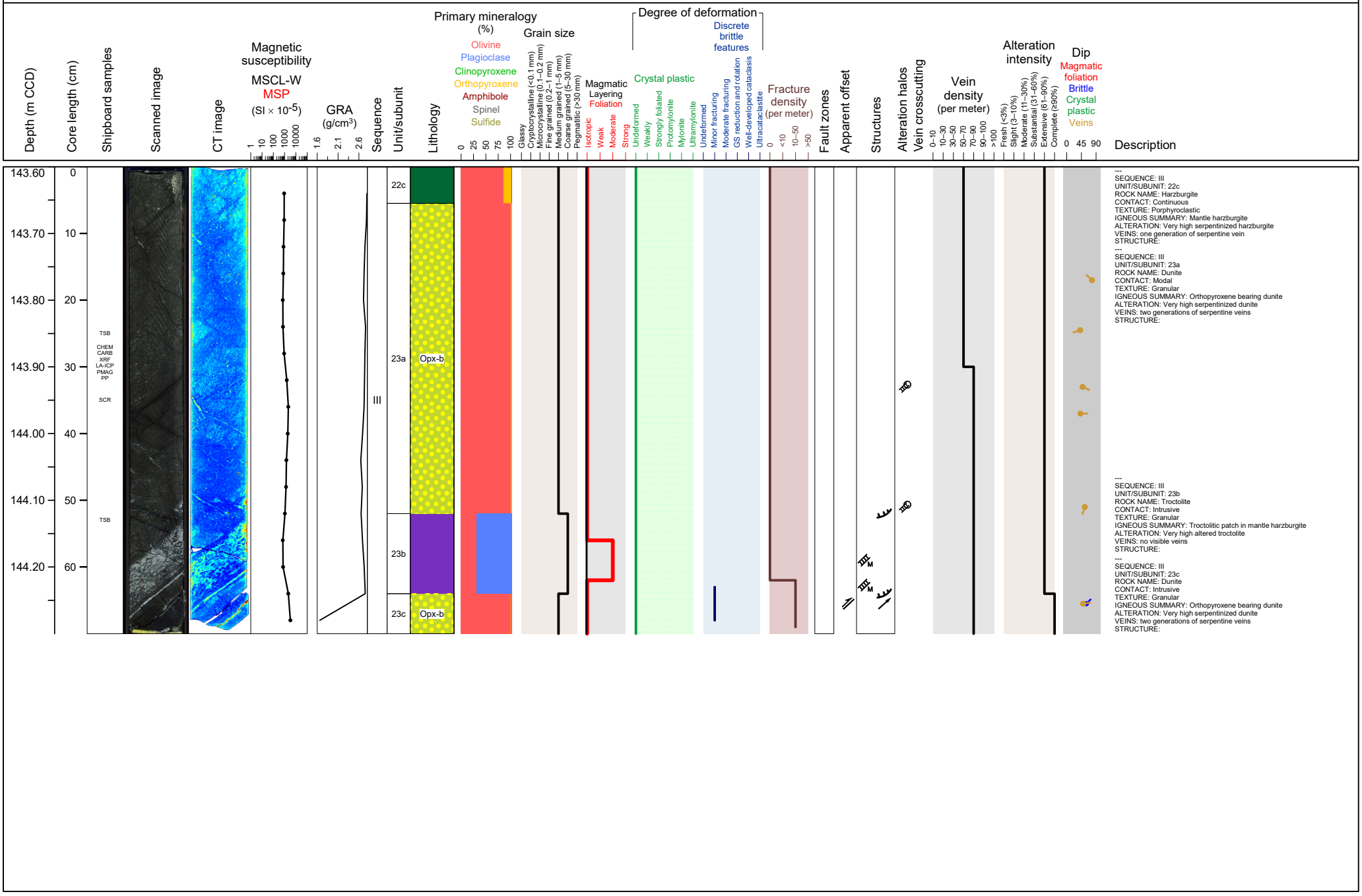
Hole CM2B-70Z Section 3, Top of Section 142.45 (m CCD)



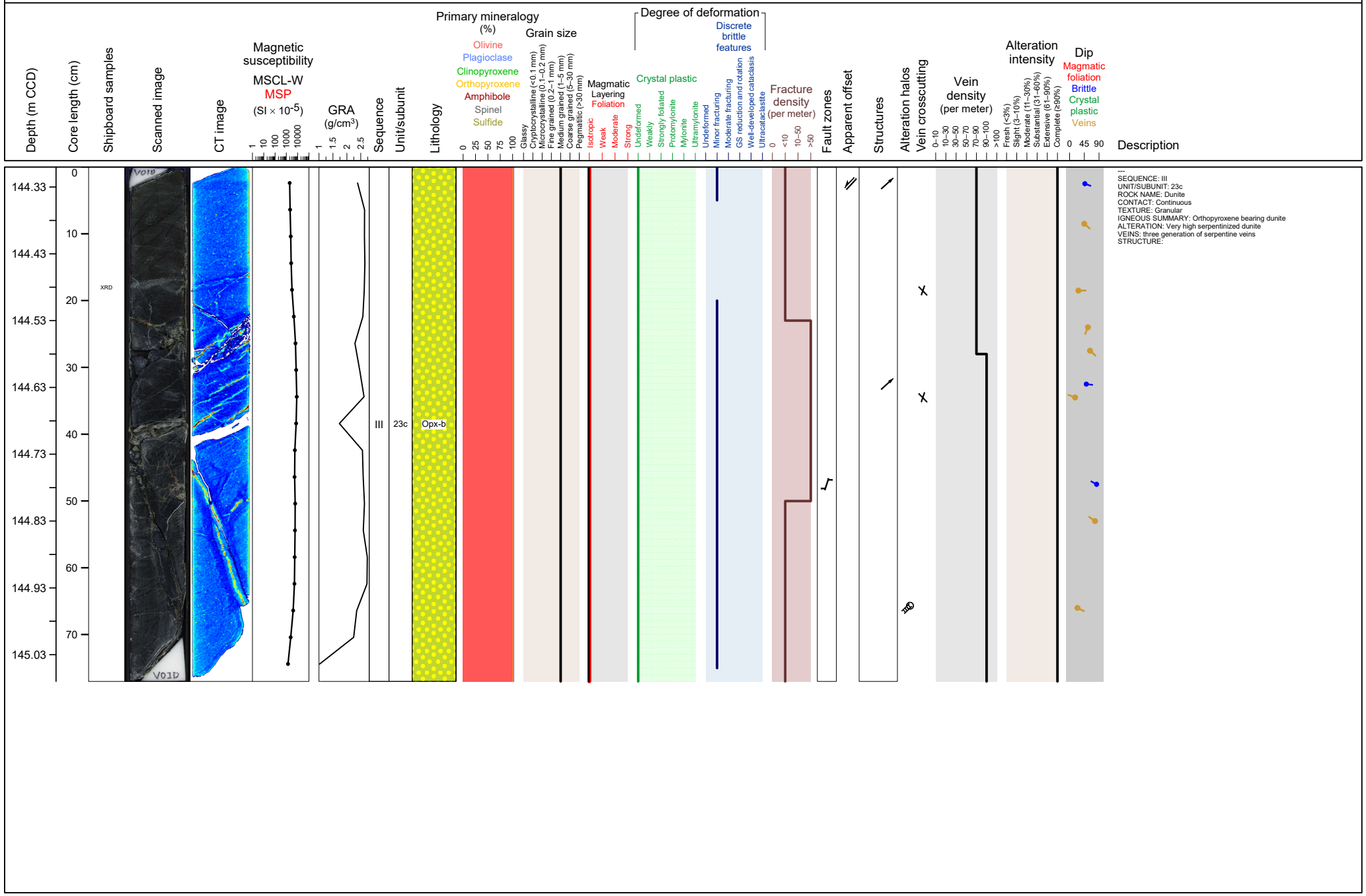
Hole CM2B-70Z Section 4, Top of Section 143.10 (m CCD)



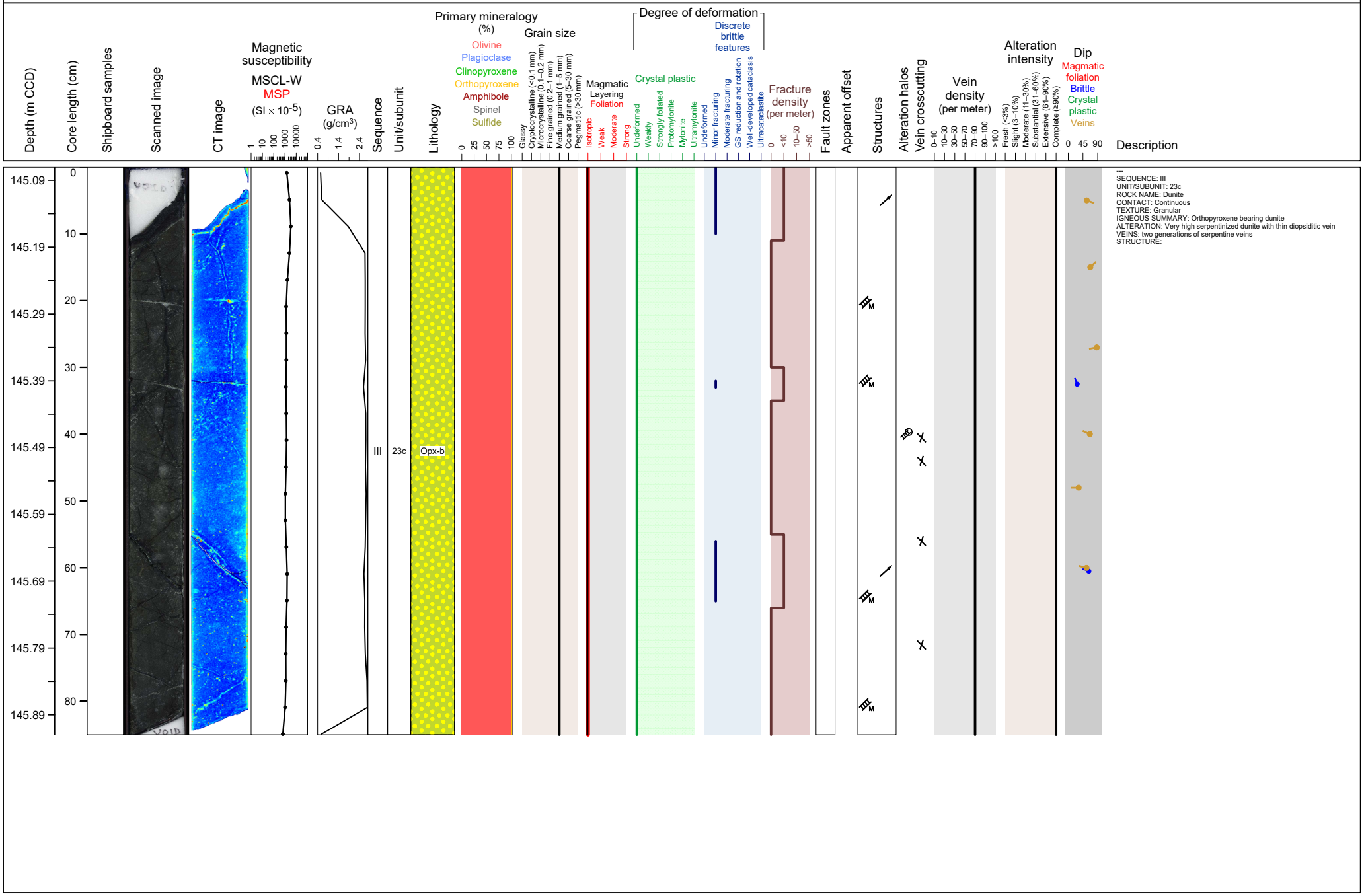
Hole CM2B-71Z Section 1, Top of Section 143.60 (m CCD)



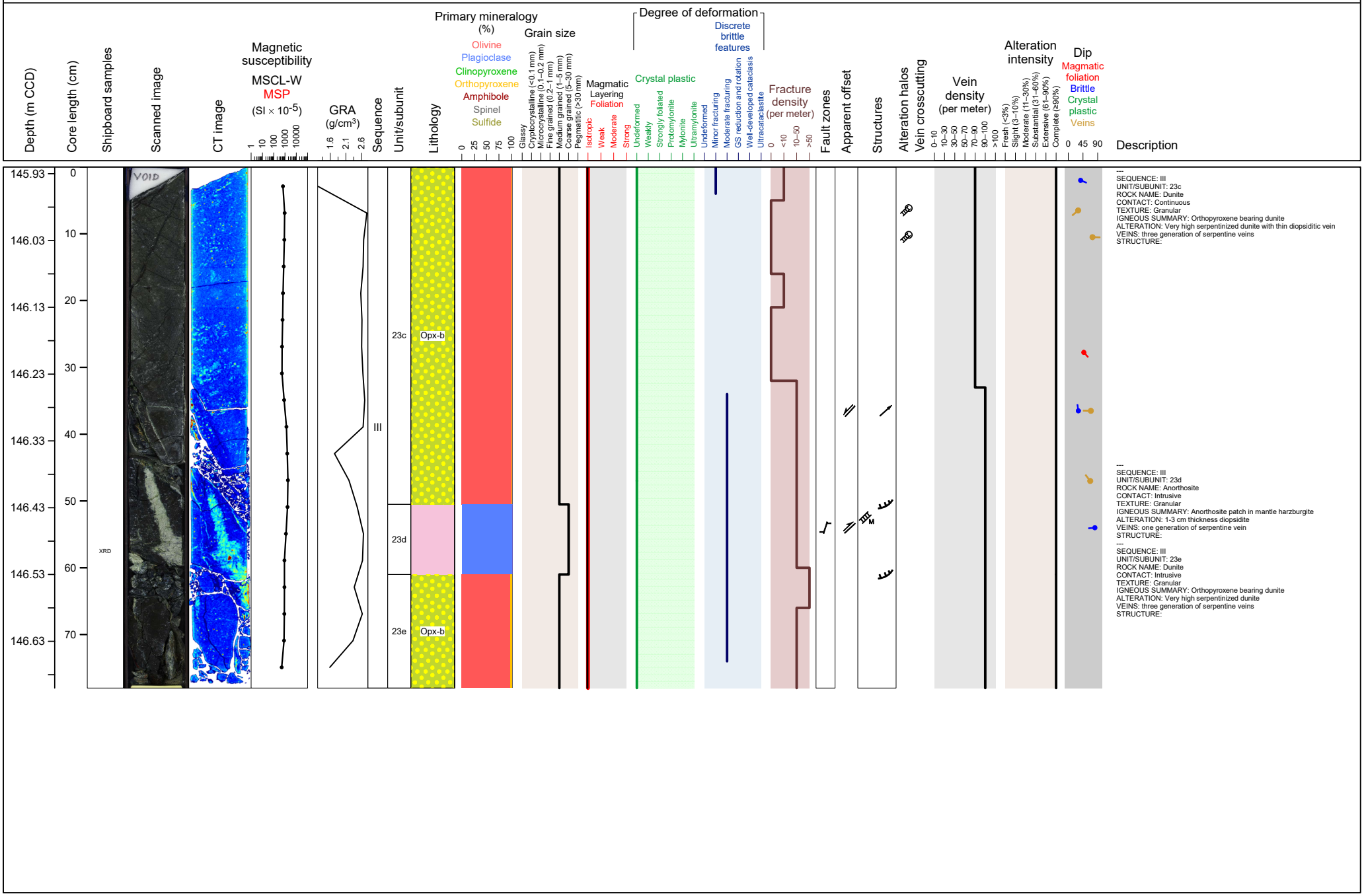
Hole CM2B-71Z Section 2, Top of Section 144.30 (m CCD)



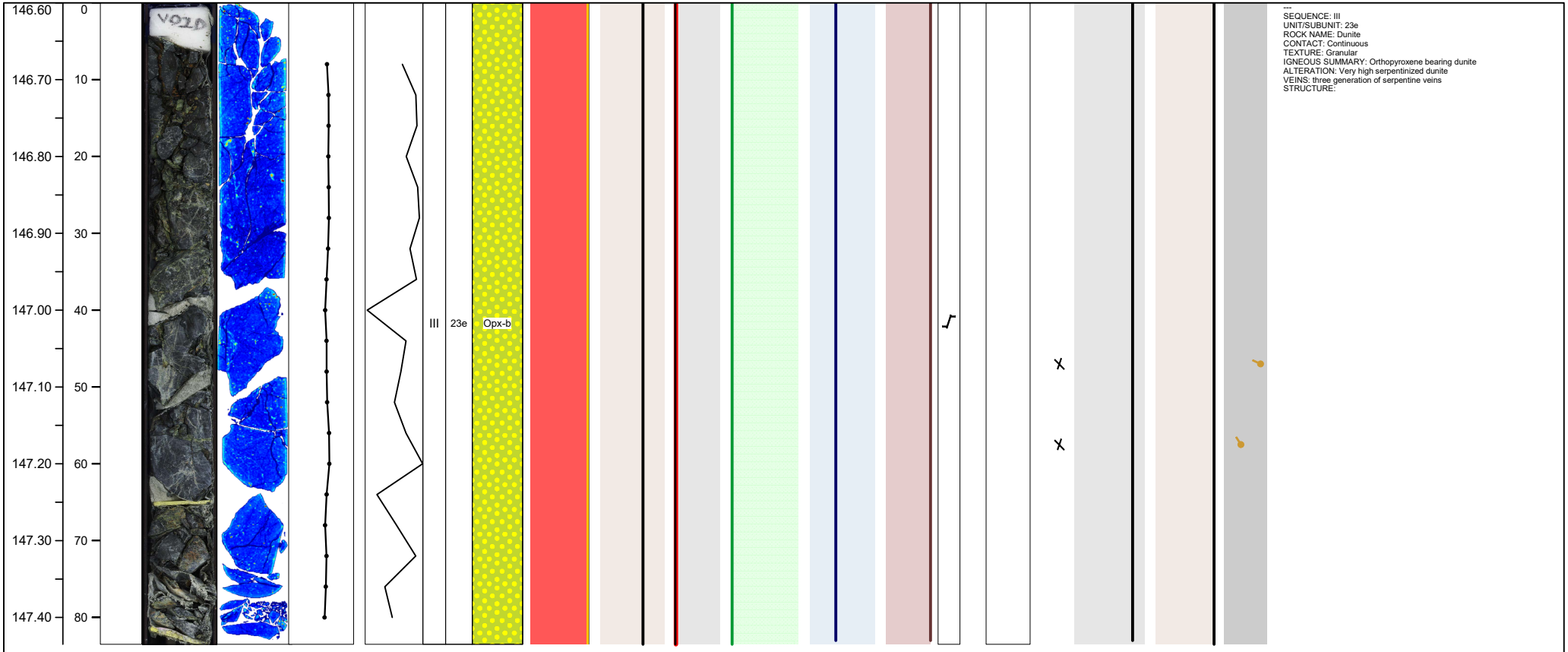
Hole CM2B-71Z Section 3, Top of Section 145.07 (m CCD)



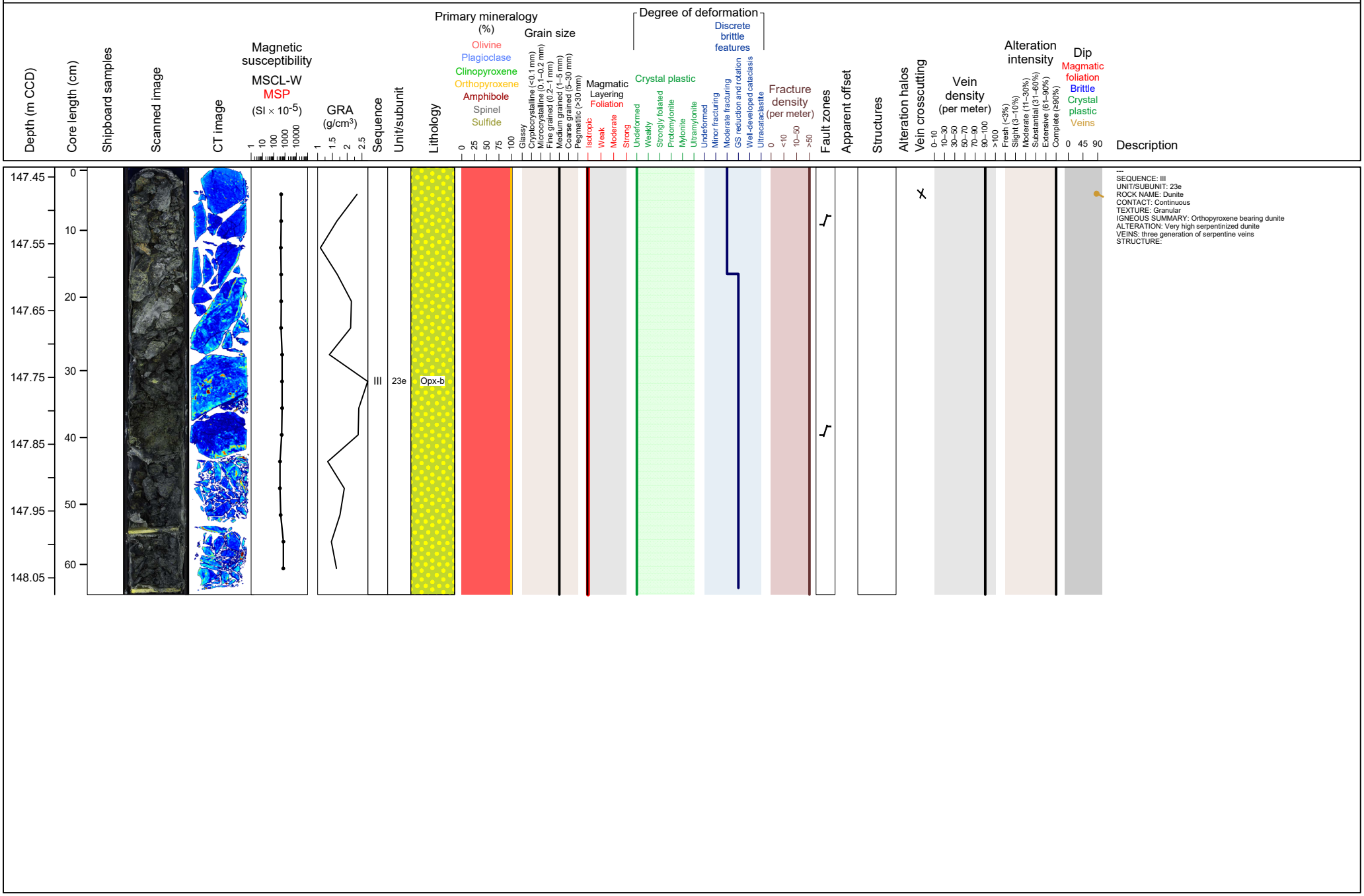
Hole CM2B-71Z Section 4, Top of Section 145.92 (m CCD)



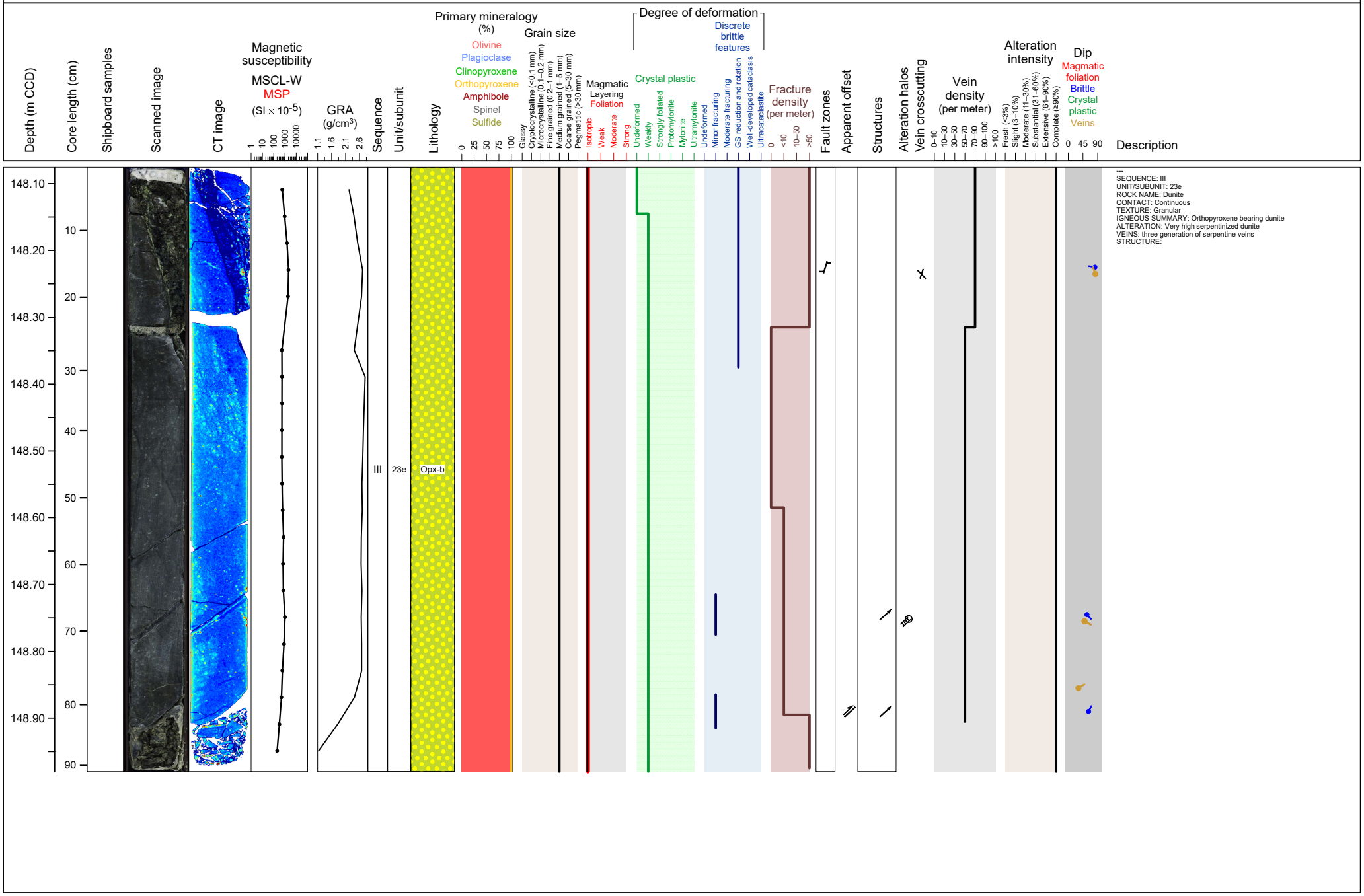
Hole CM2B-72Z Section 1, Top of Section 146.60 (m CCD)



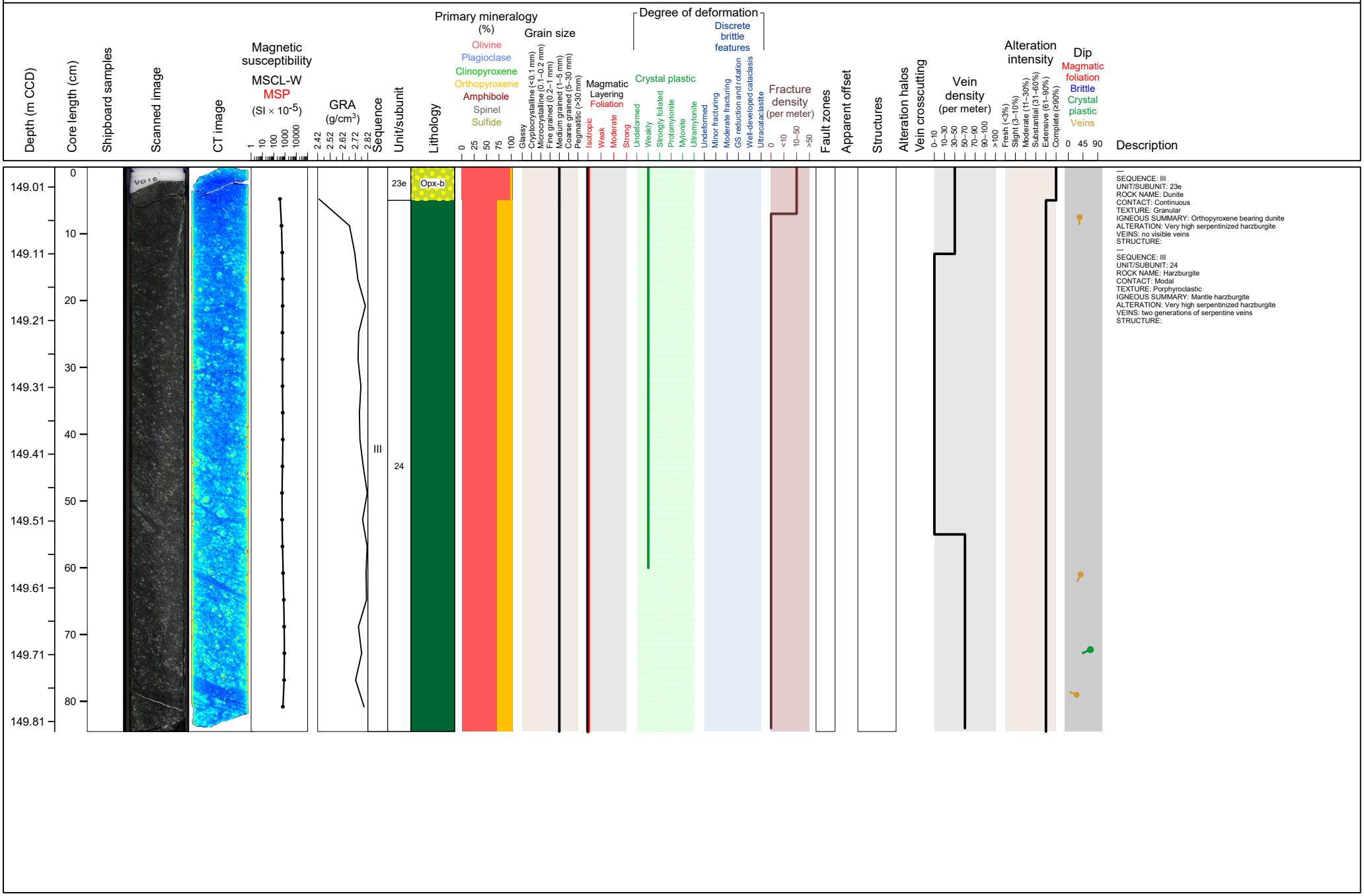
Hole CM2B-72Z Section 2, Top of Section 147.44 (m CCD)



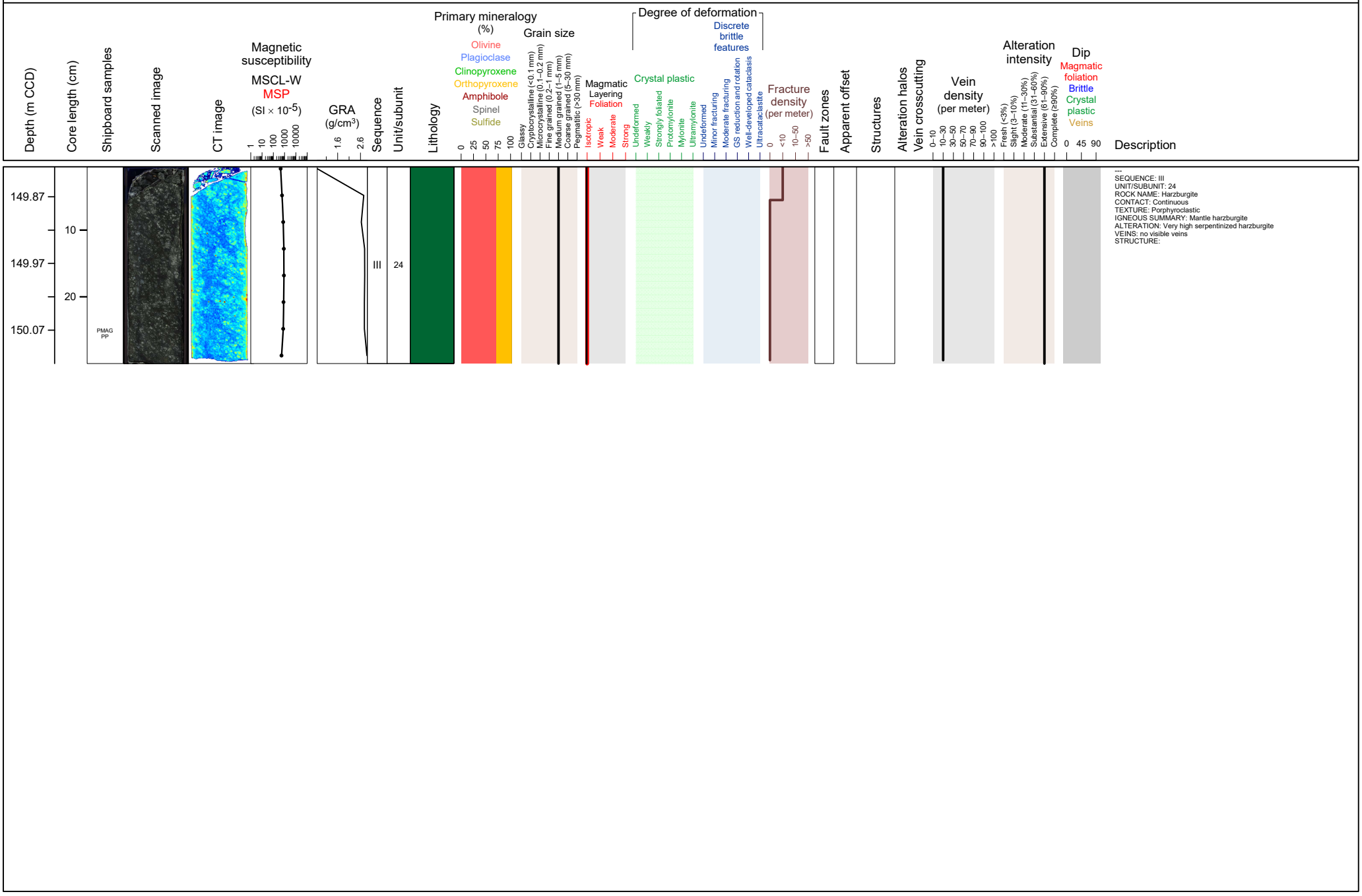
Hole CM2B-72Z Section 3, Top of Section 148.08 (m CCD)



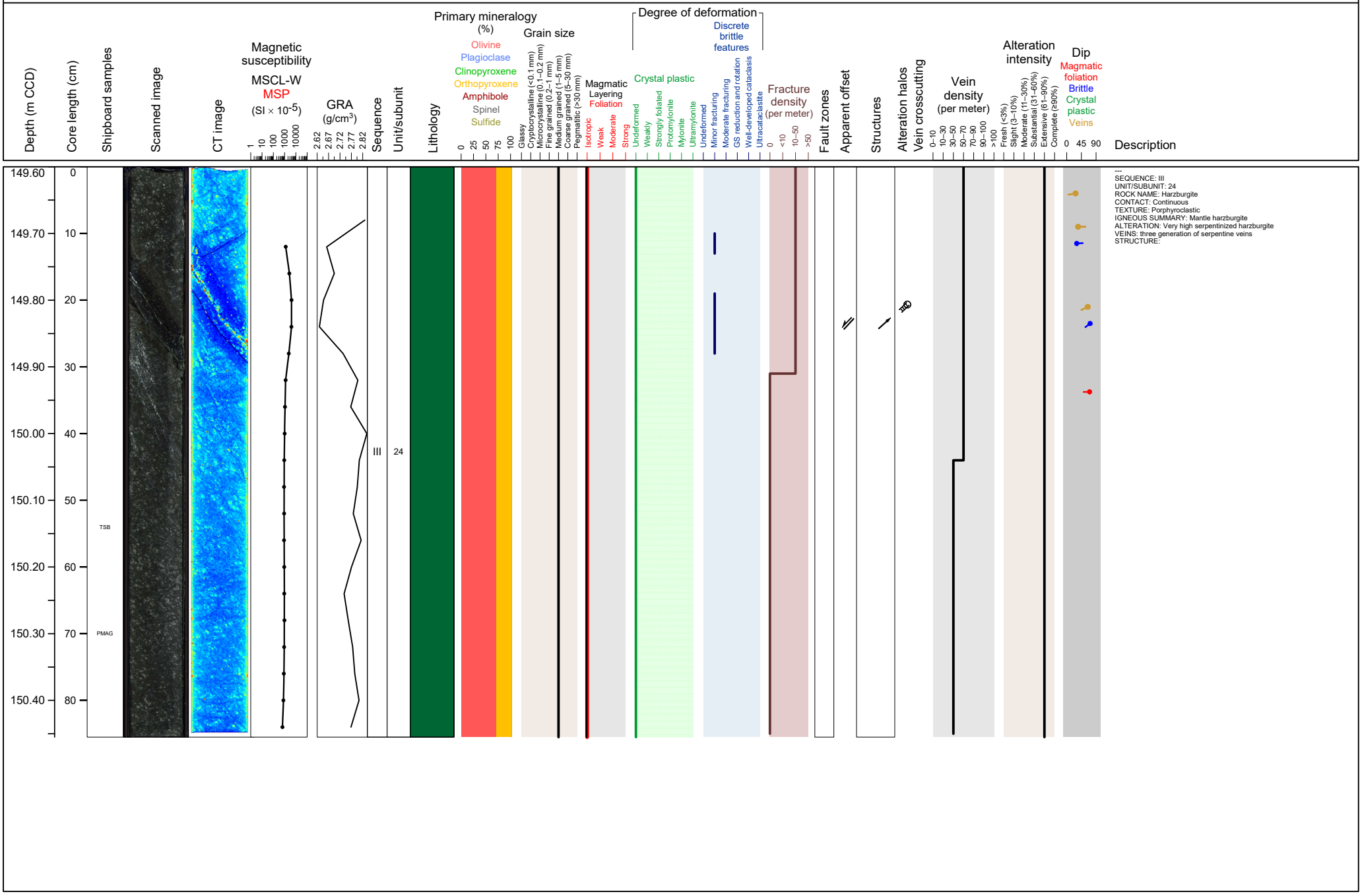
Hole CM2B-72Z Section 4, Top of Section 148.98 (m CCD)



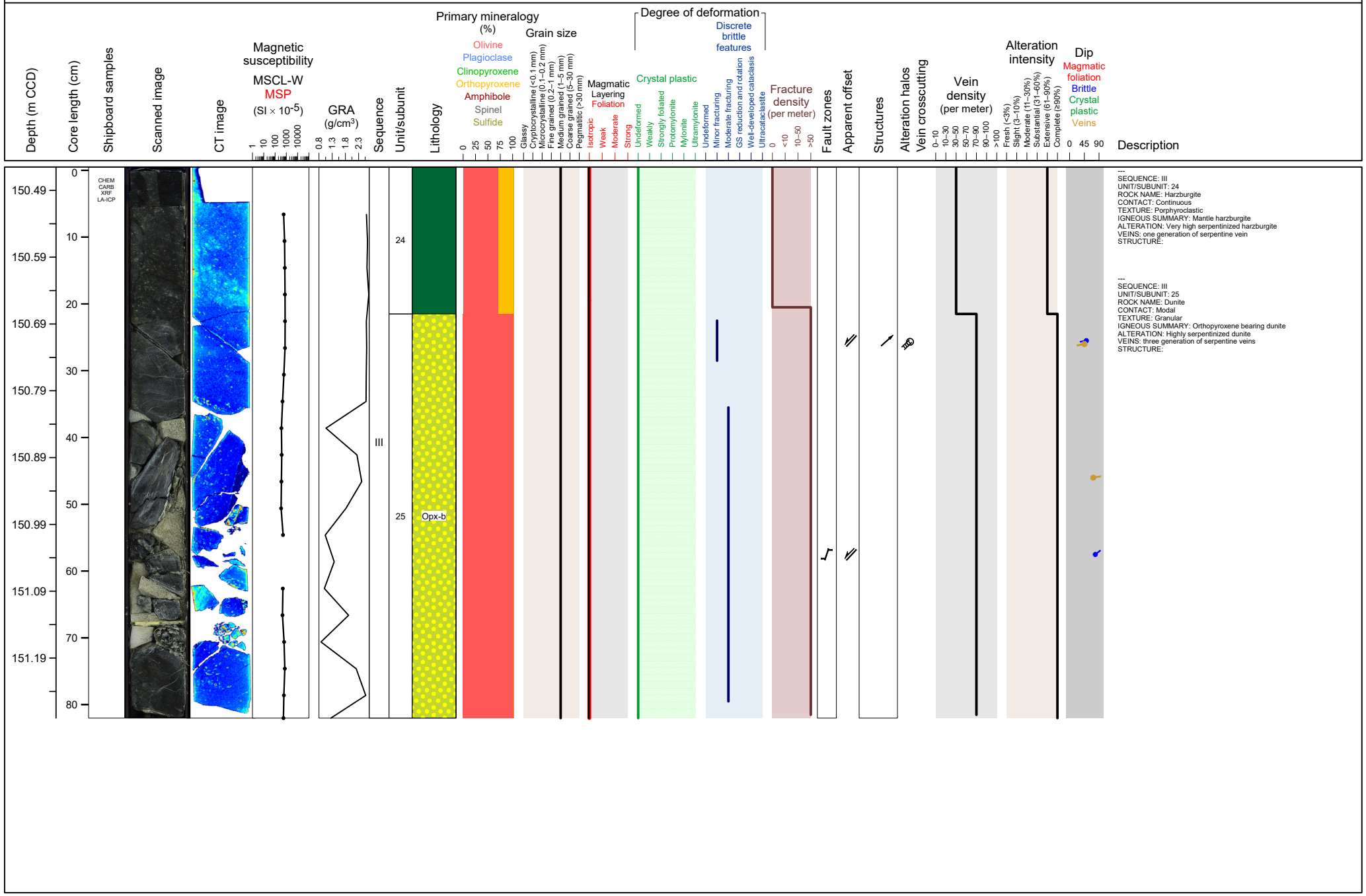
Hole CM2B-72Z Section 5, Top of Section 149.83 (m CCD)



Hole CM2B-73Z Section 1, Top of Section 149.60 (m CCD)



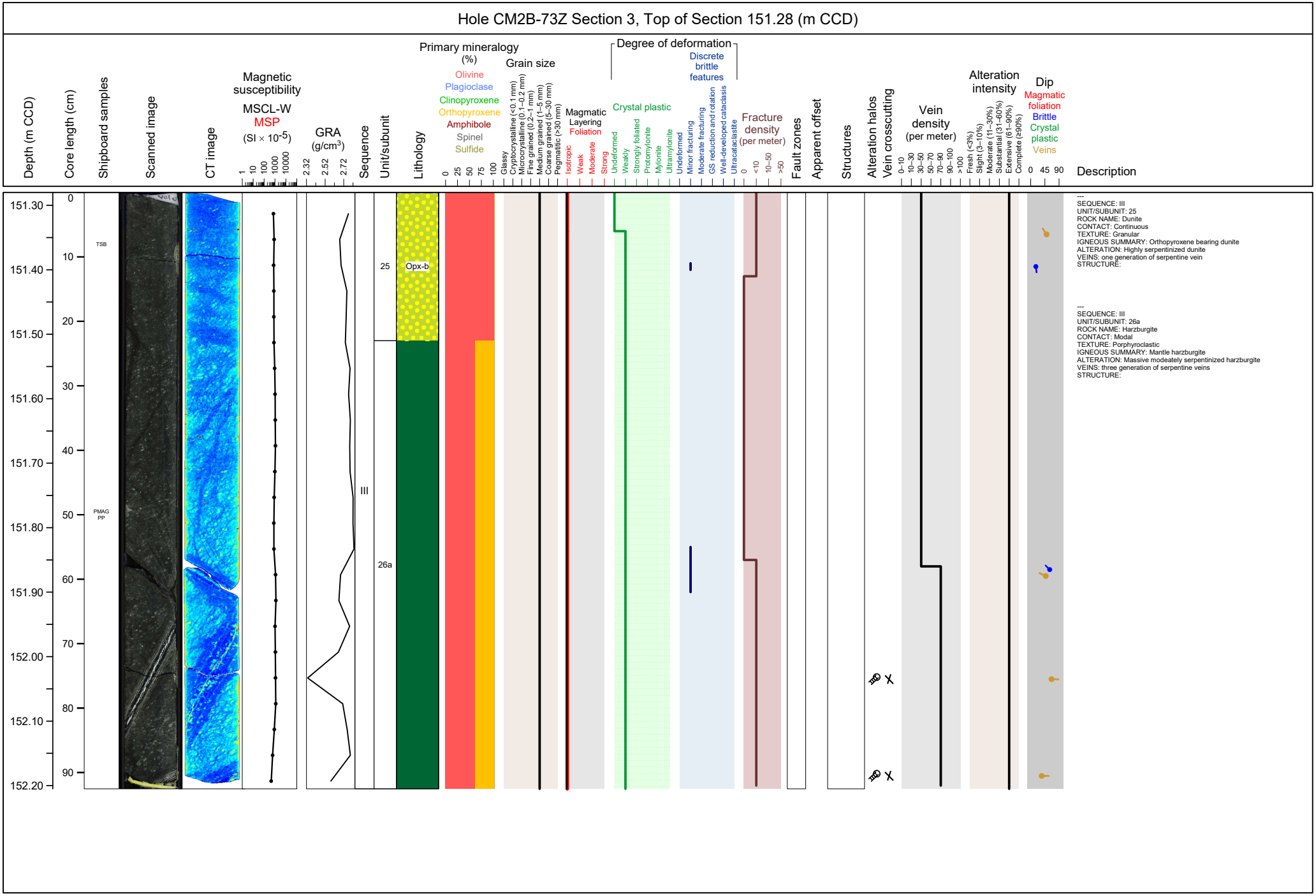
Hole CM2B-73Z Section 2, Top of Section 150.46 (m CCD)



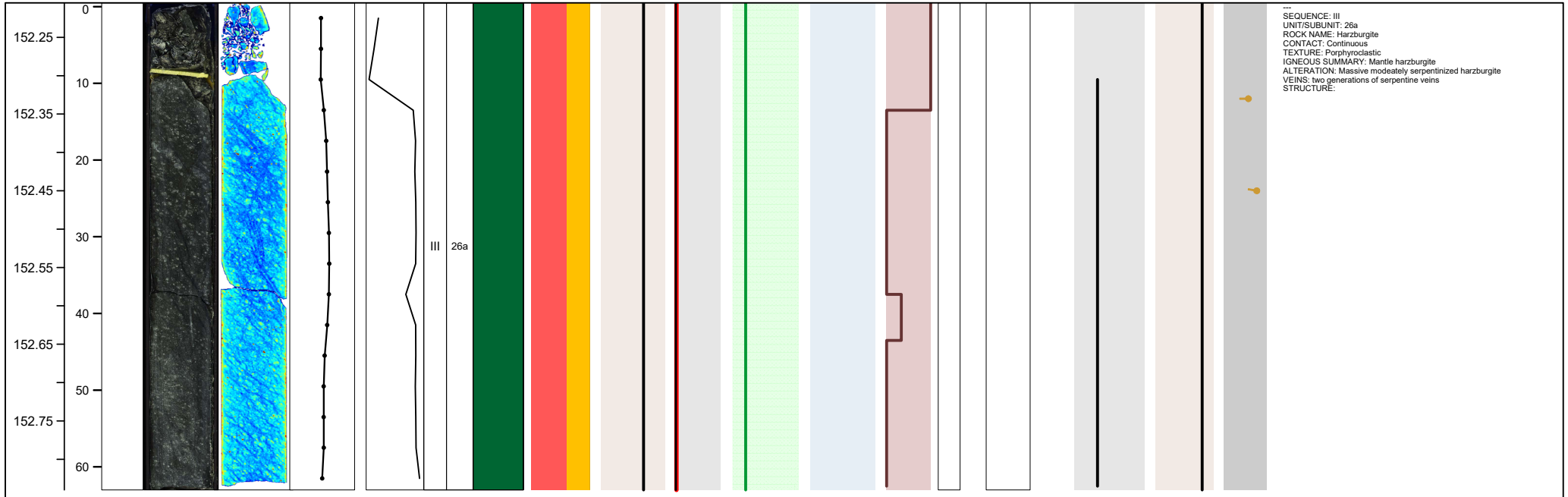
SEQUENCE: III
UNIT/SUBUNIT: 24
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Very high serpentinized harzburgite
VEINS: one generation of serpentine vein
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 25
ROCK NAME: Dunite
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Orthopyroxene bearing dunite
ALTERATION: Highly serpentinized dunite
VEINS: three generation of serpentine veins
STRUCTURE:

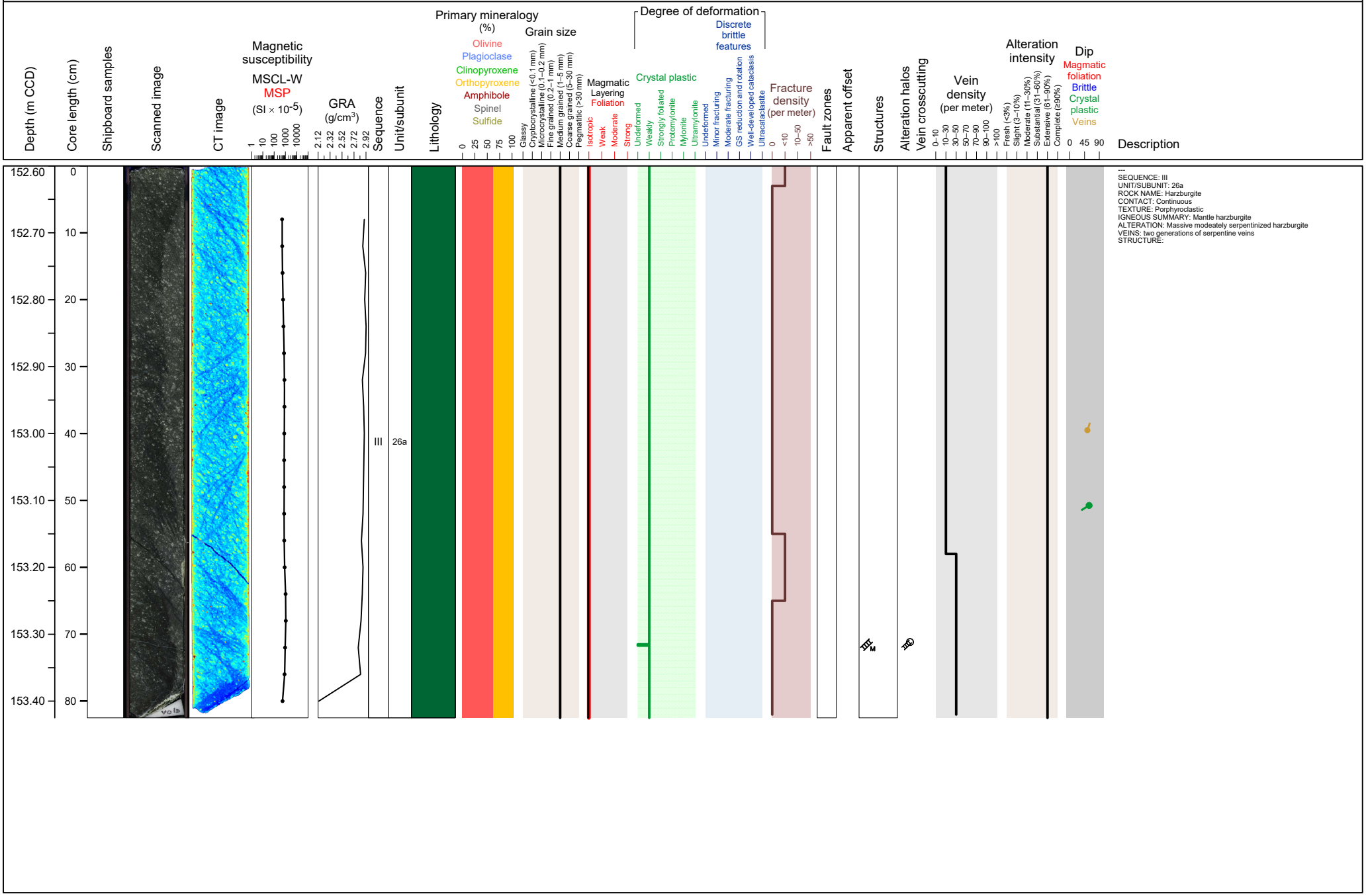
Hole CM2B-73Z Section 3, Top of Section 151.28 (m CCD)



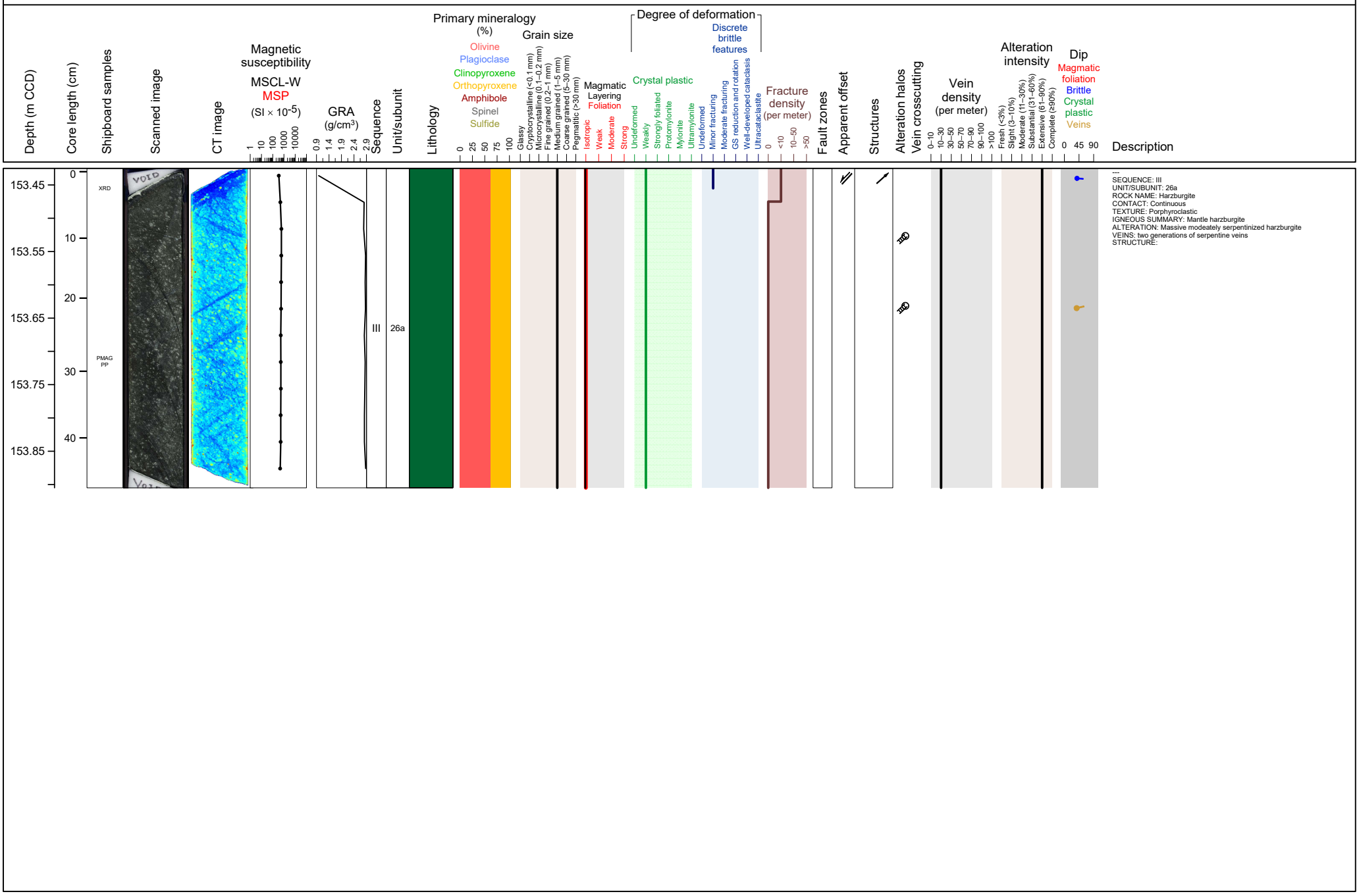
Hole CM2B-73Z Section 4, Top of Section 152.21 (m CCD)



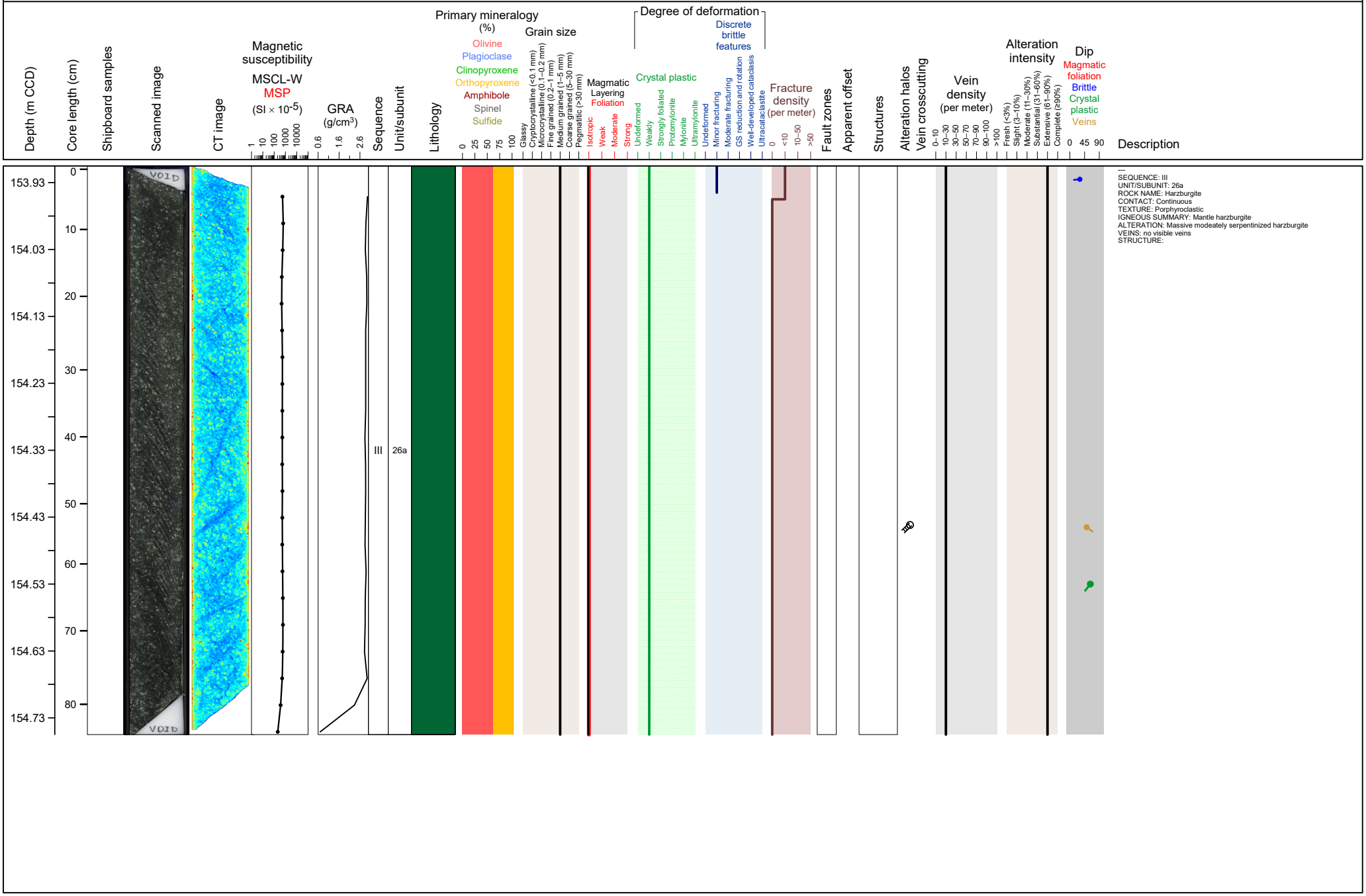
Hole CM2B-74Z Section 1, Top of Section 152.60 (m CCD)



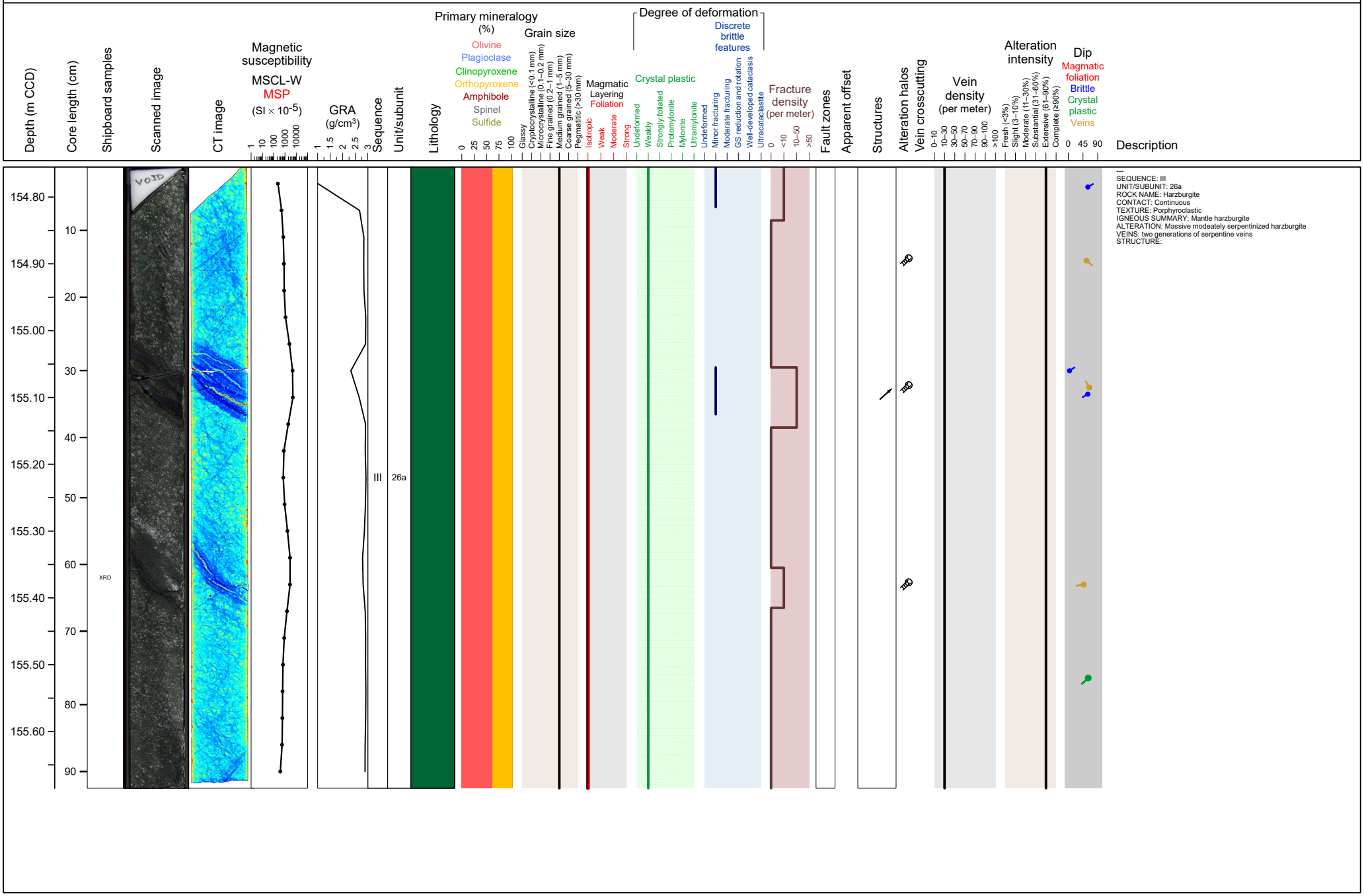
Hole CM2B-74Z Section 2, Top of Section 153.43 (m CCD)



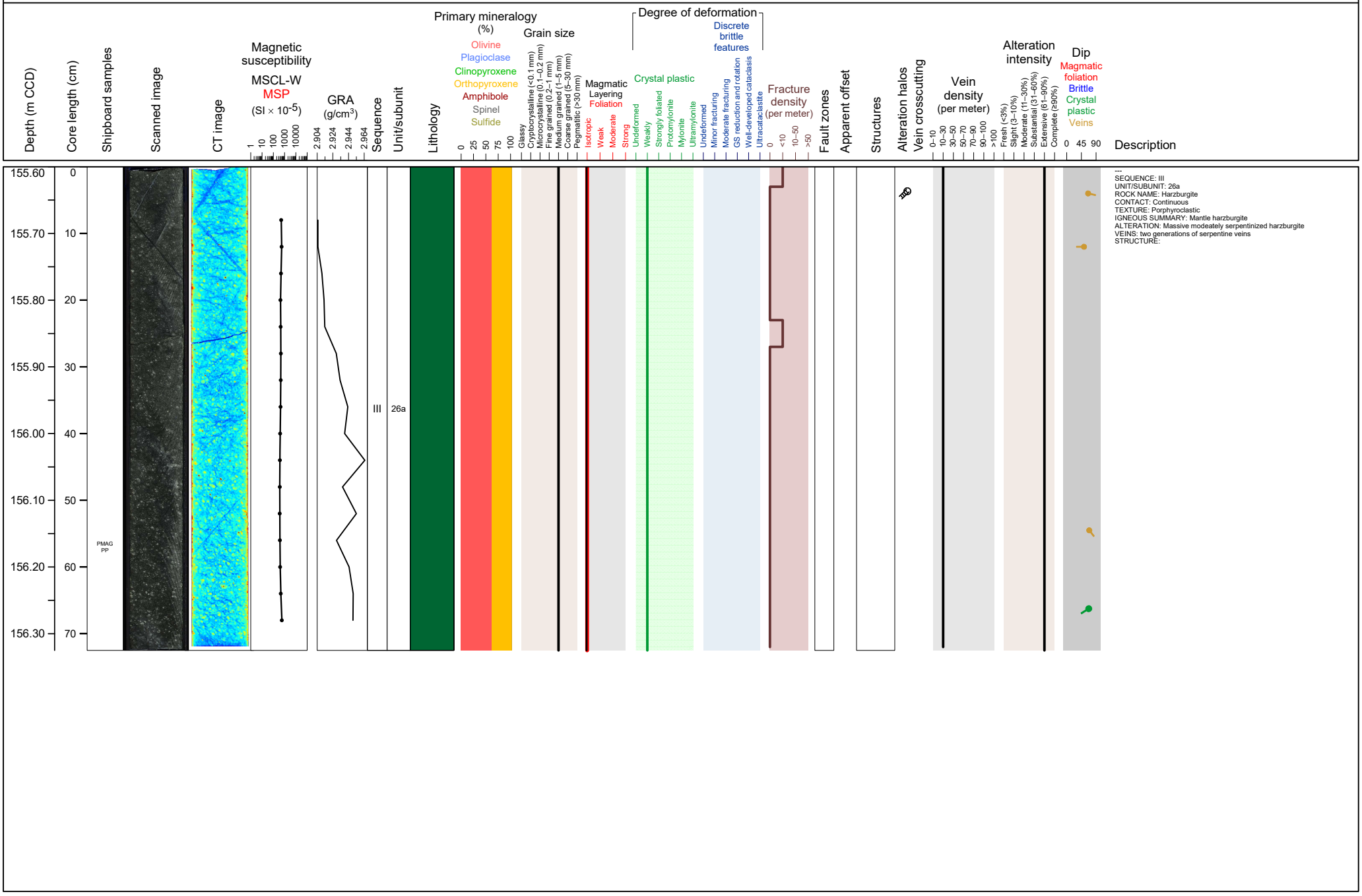
Hole CM2B-74Z Section 3, Top of Section 153.91 (m CCD)



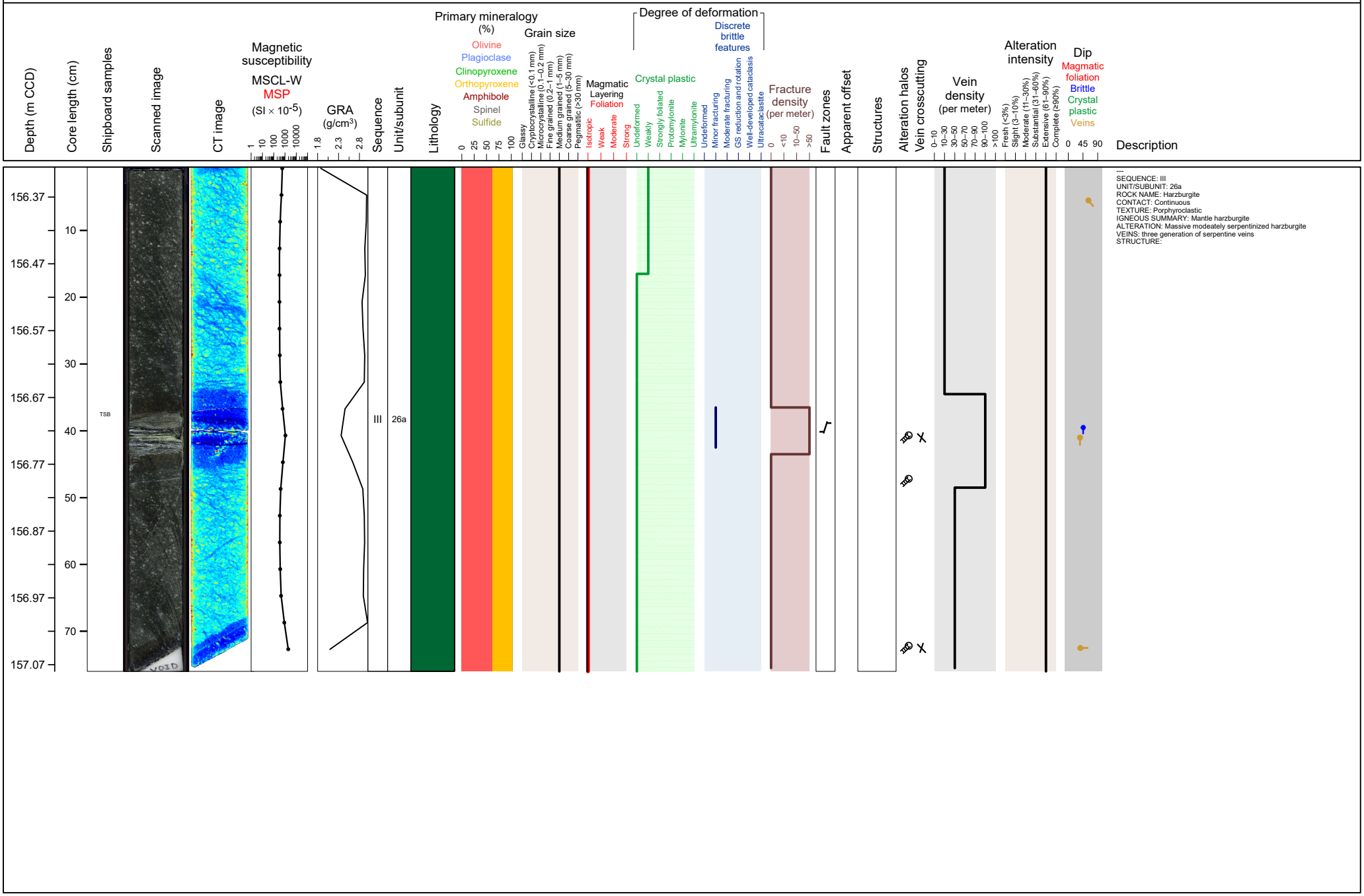
Hole CM2B-74Z Section 4, Top of Section 154.76 (m CCD)



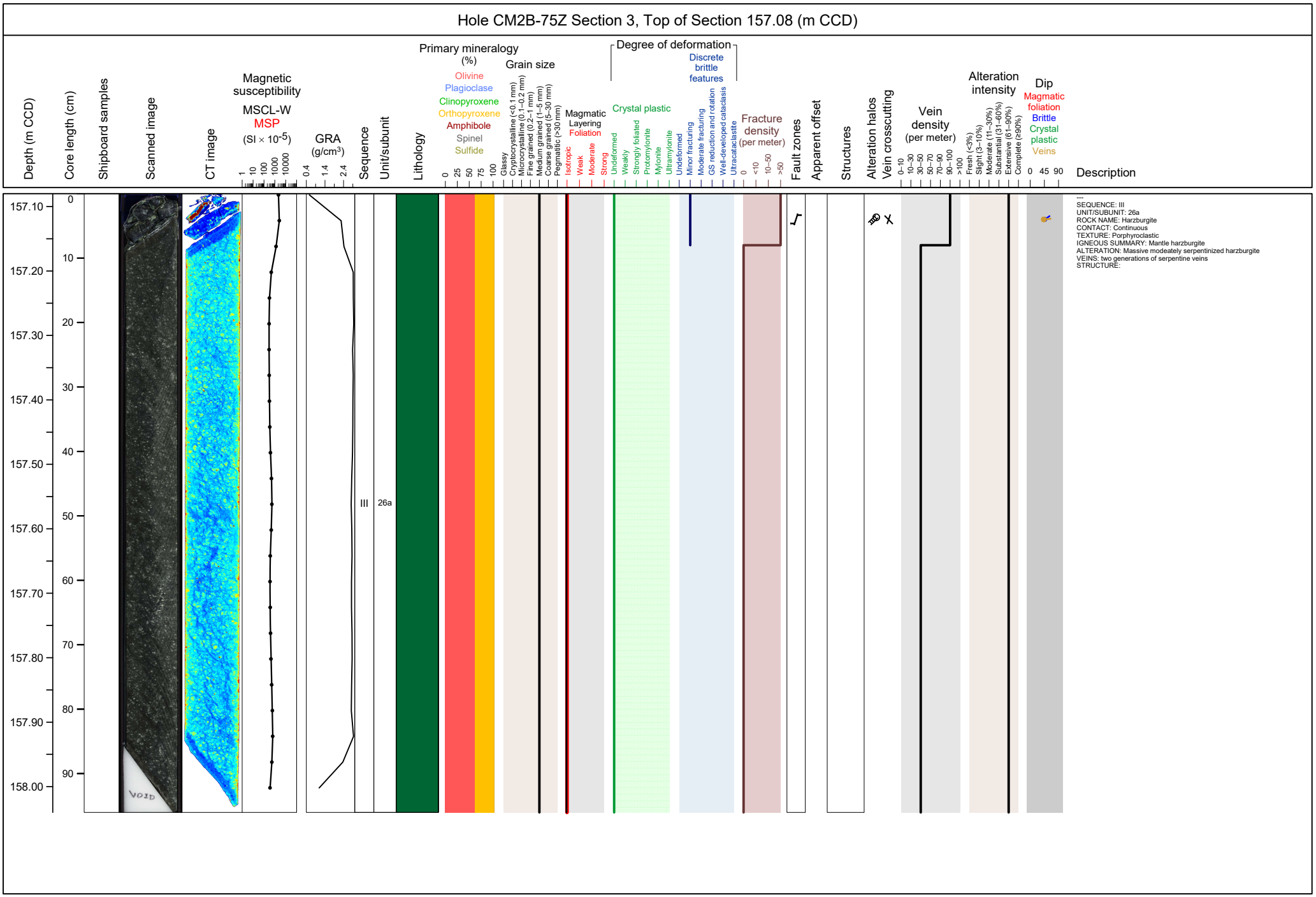
Hole CM2B-75Z Section 1, Top of Section 155.60 (m CCD)



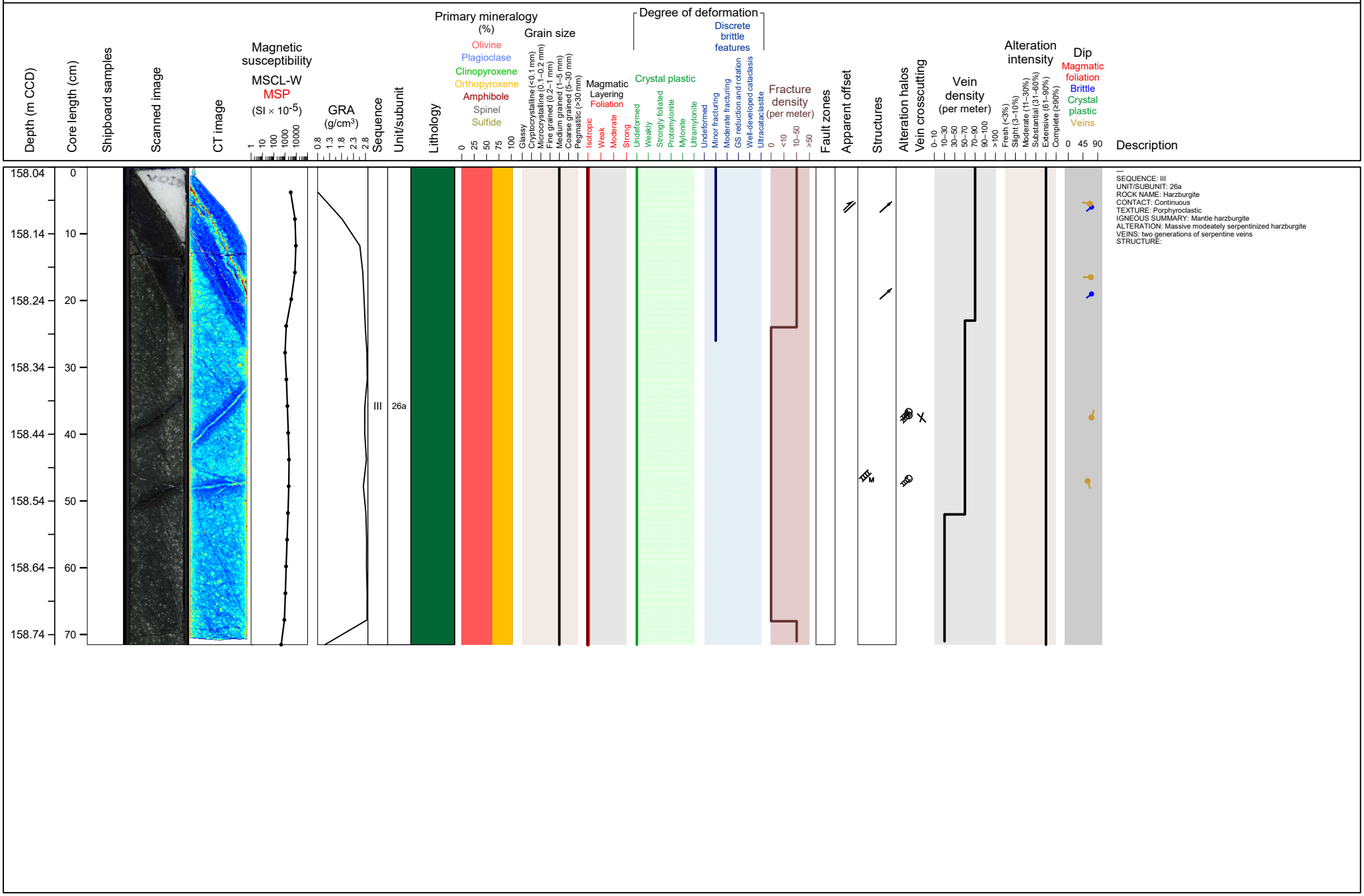
Hole CM2B-75Z Section 2, Top of Section 156.33 (m CCD)



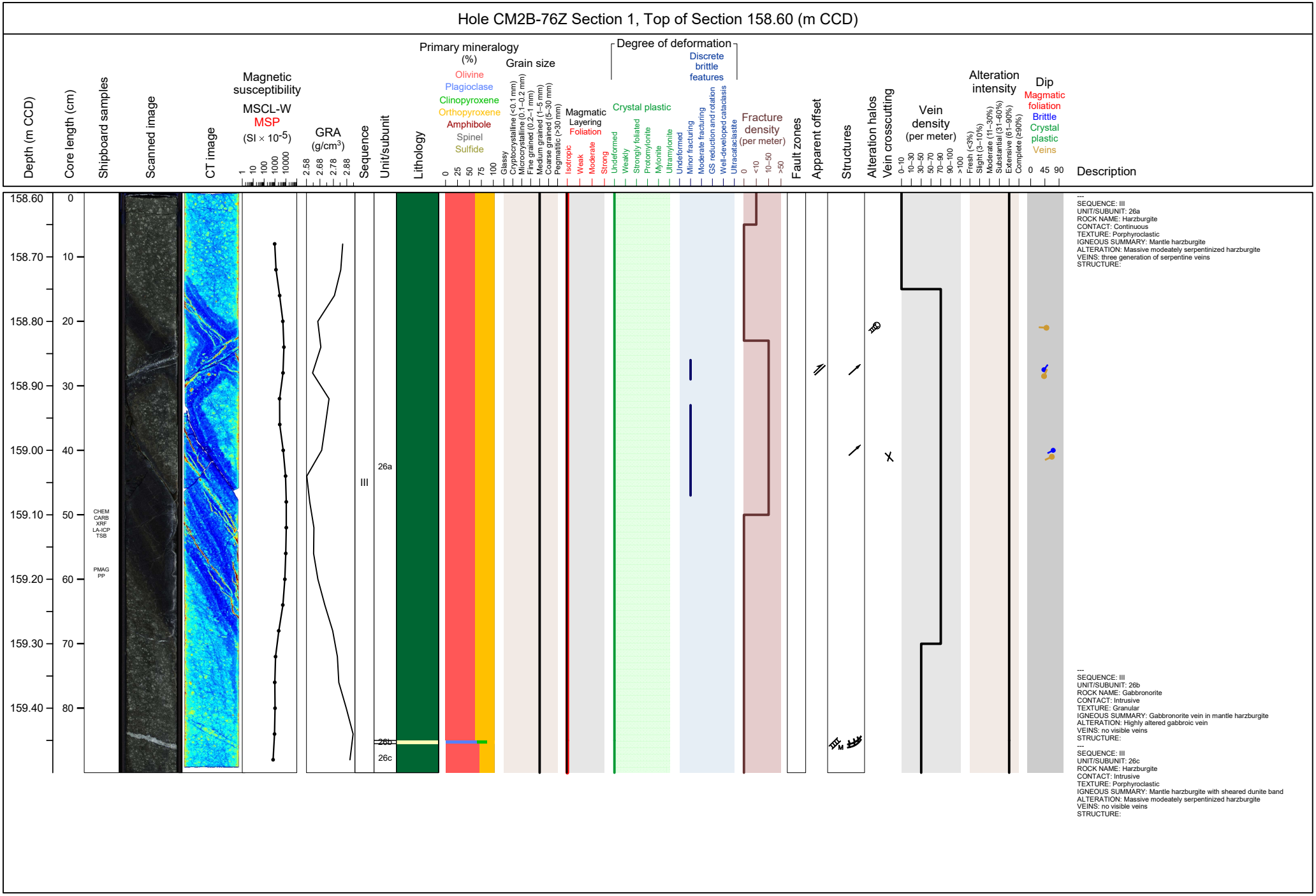
Hole CM2B-75Z Section 3, Top of Section 157.08 (m CCD)



Hole CM2B-75Z Section 4, Top of Section 158.04 (m CCD)



Hole CM2B-76Z Section 1, Top of Section 158.60 (m CCD)

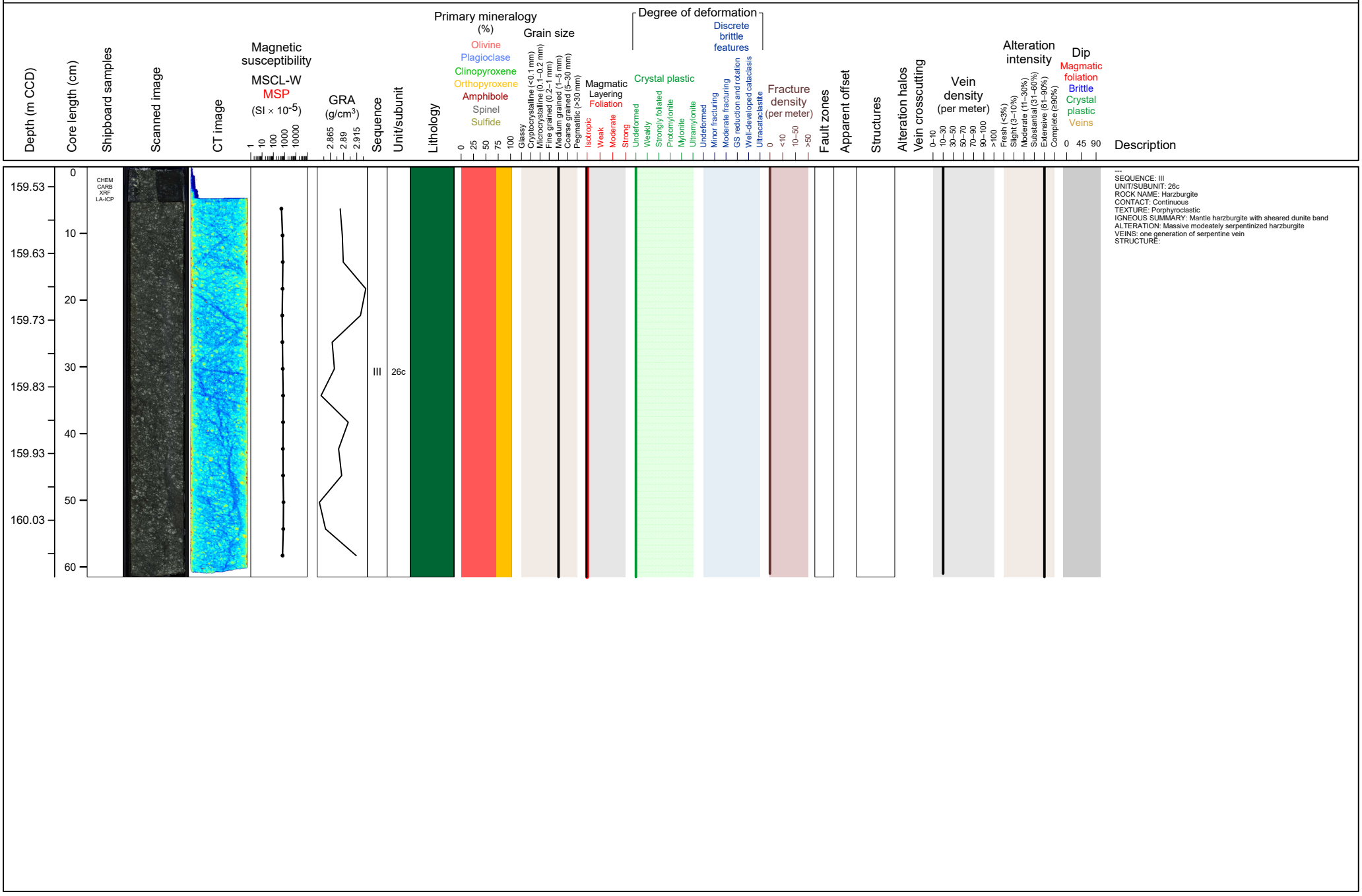


SEQUENCE: III
UNIT/SUBUNIT: 26a
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive modeately serpentinized harzburgite
VEINS: three generation of serpentine veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 26b
ROCK NAME: Gabbronorite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Gabbronorite vein in mantle harzburgite
ALTERATION: Highly altered gabbroic vein
VEINS: no visible veins
STRUCTURE:

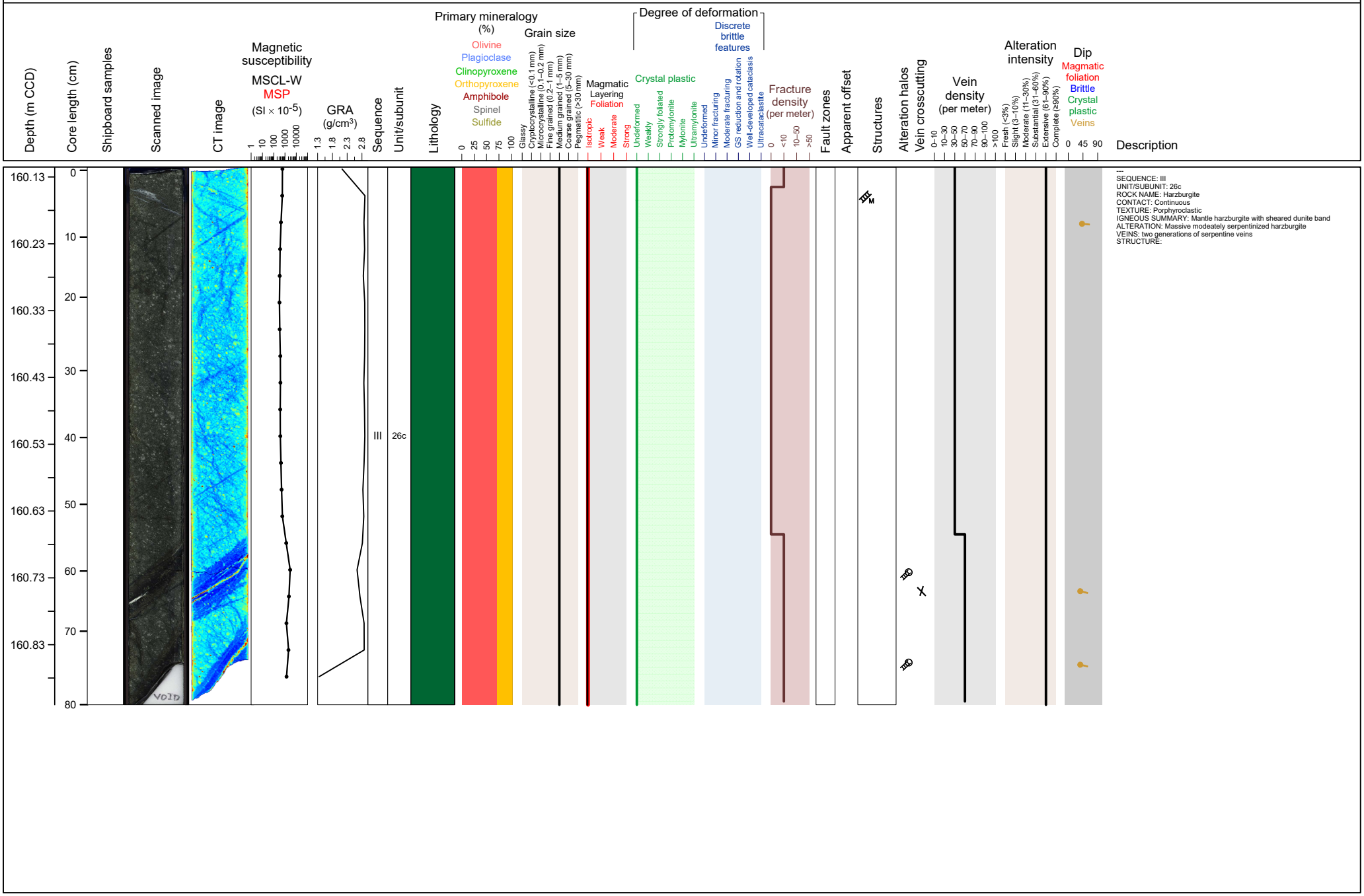
SEQUENCE: III
UNIT/SUBUNIT: 26c
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite with sheared dunite band
ALTERATION: Massive modeately serpentinized harzburgite
VEINS: no visible veins
STRUCTURE:

Hole CM2B-76Z Section 2, Top of Section 159.50 (m CCD)

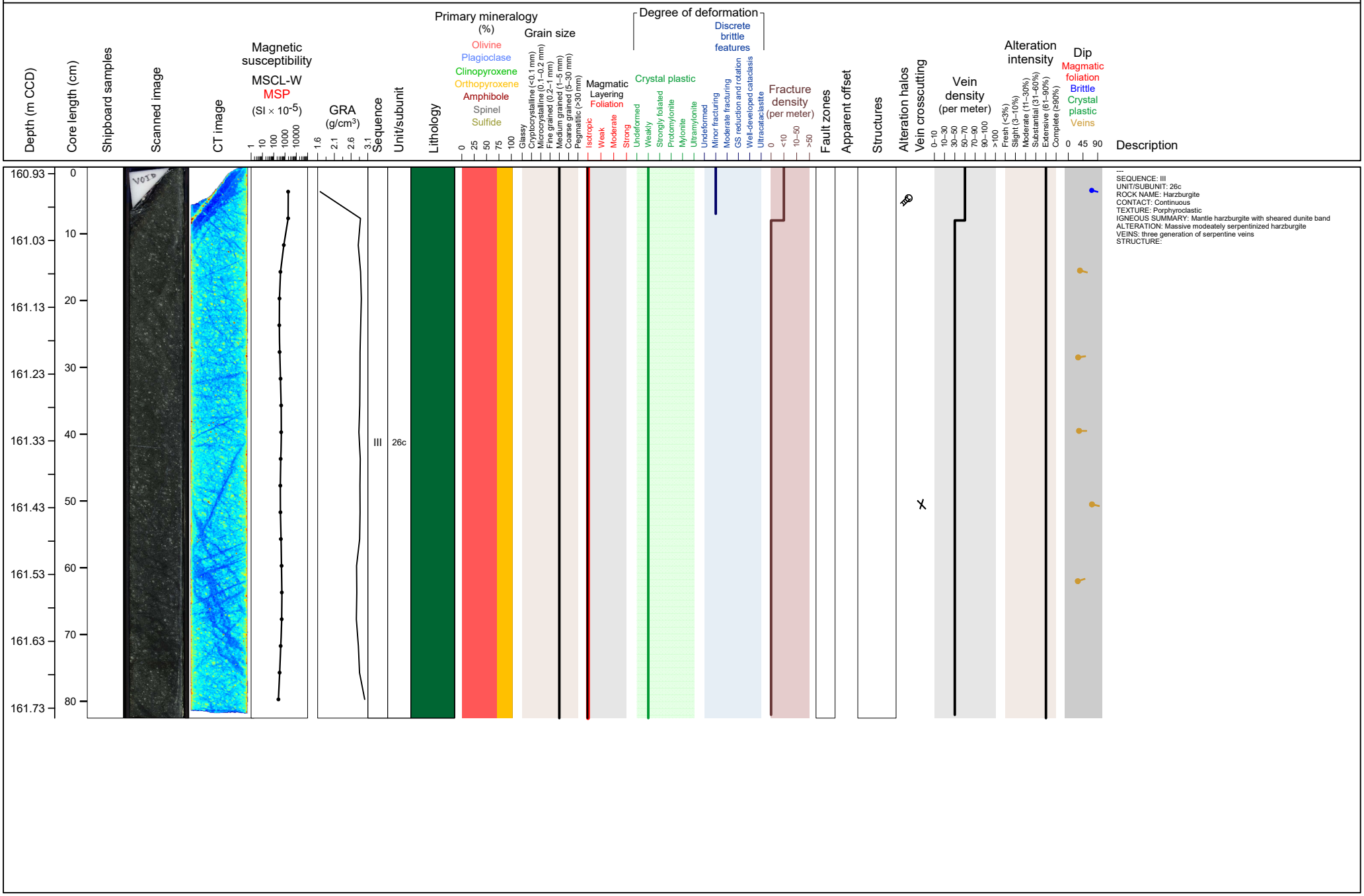


SEQUENCE: III
UNIT/SUBUNIT: 26c
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite with sheared dunite band
ALTERATION: Massive modeately serpentinized harzburgite
VEINS: one generation of serpentine vein
STRUCTURE:

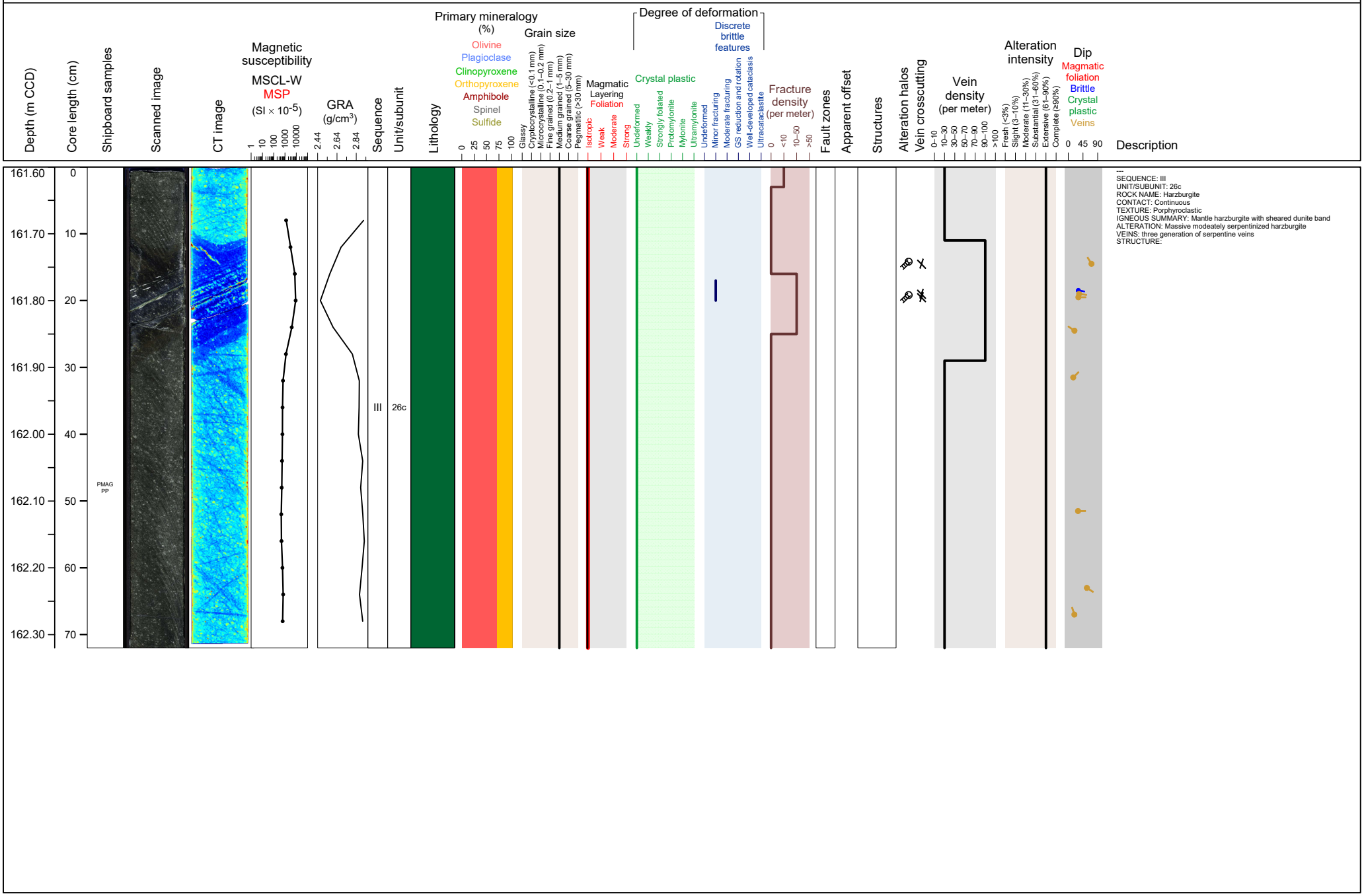
Hole CM2B-76Z Section 3, Top of Section 160.12 (m CCD)



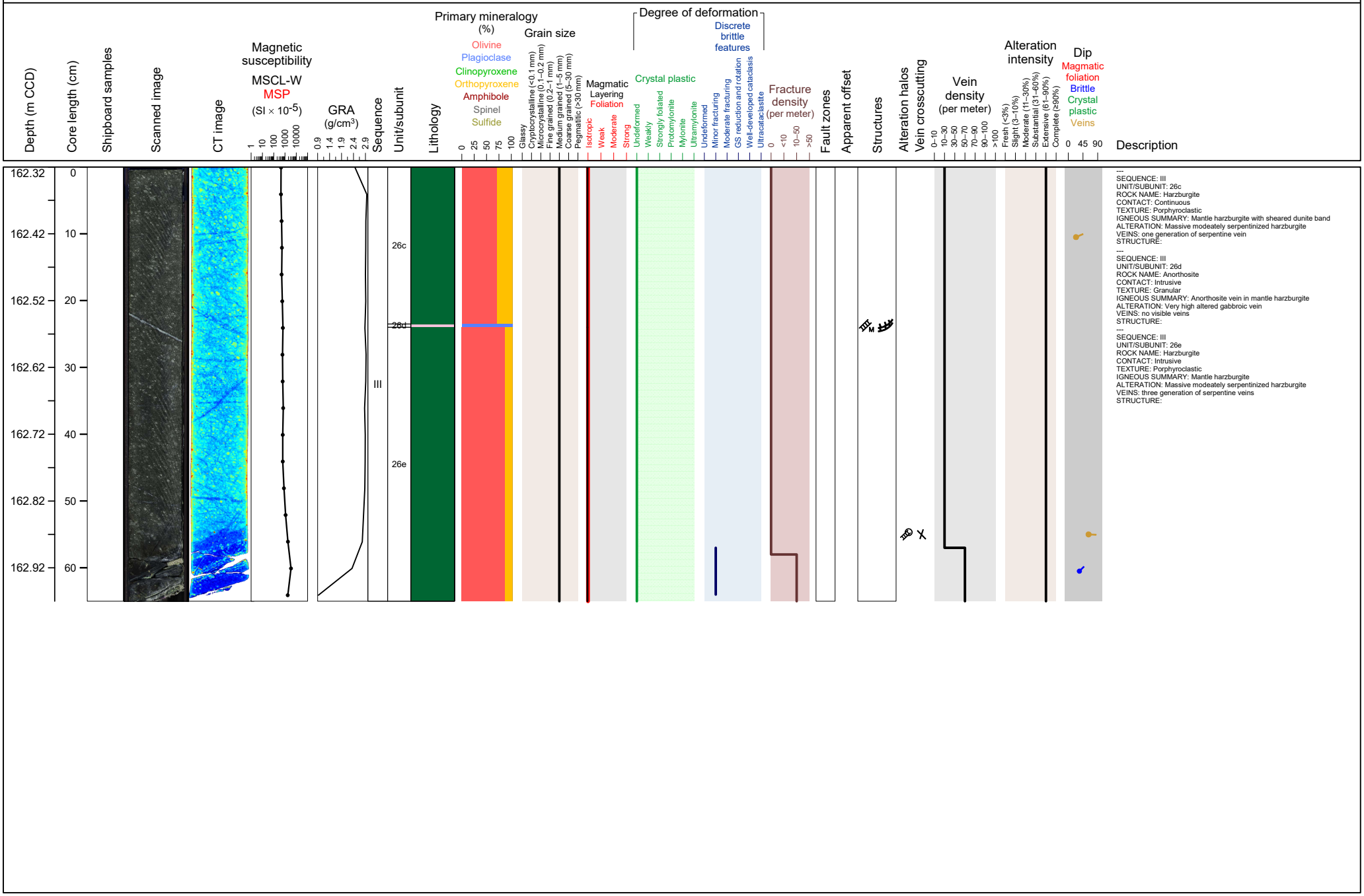
Hole CM2B-76Z Section 4, Top of Section 160.92 (m CCD)



Hole CM2B-77Z Section 1, Top of Section 161.60 (m CCD)



Hole CM2B-77Z Section 2, Top of Section 162.32 (m CCD)

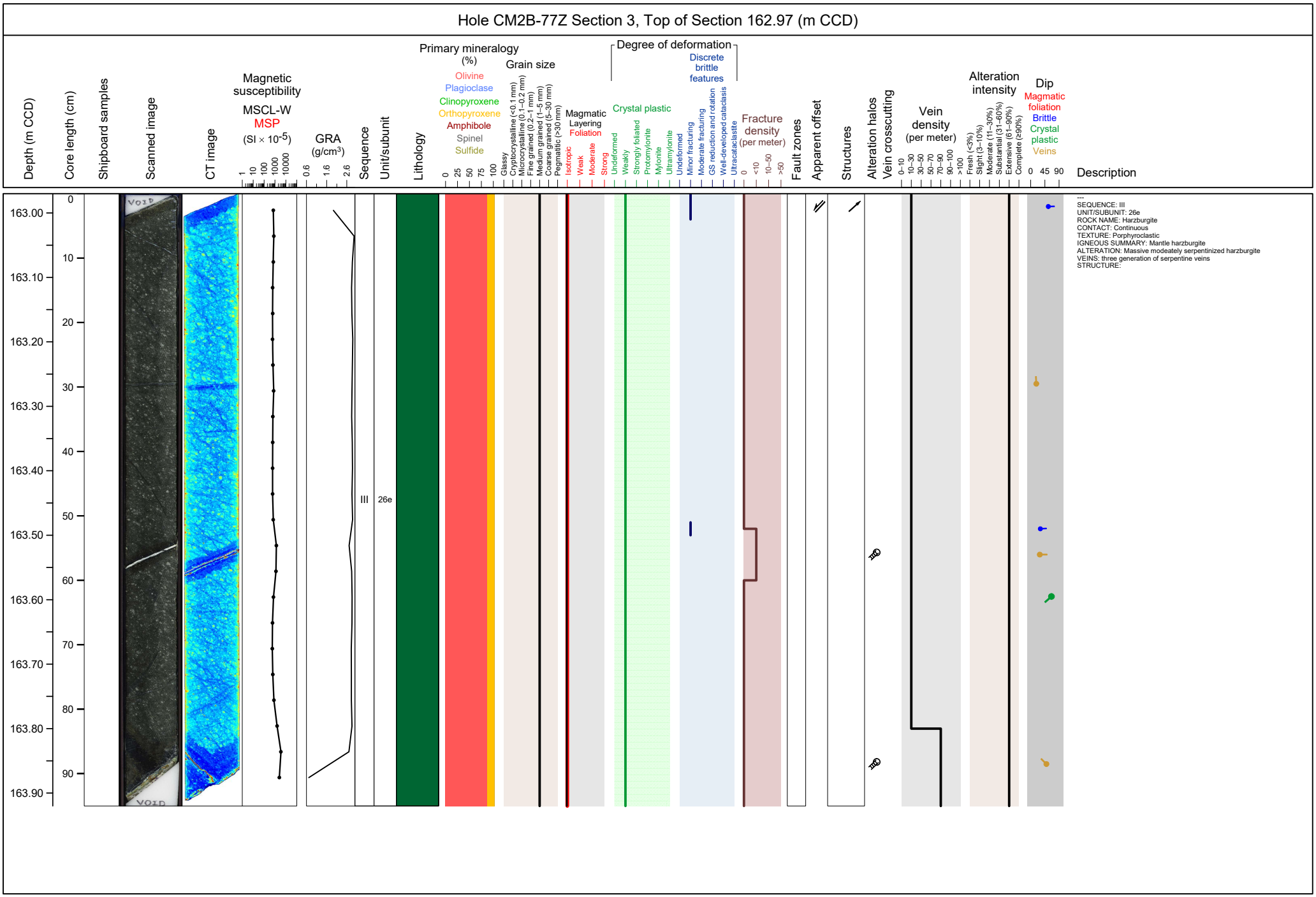


SEQUENCE: III
UNIT/SUBUNIT: 26c
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite with sheared dunite band
ALTERATION: Massive modeately serpentinized harzburgite
VEINS: one generation of serpentine vein
STRUCTURE:

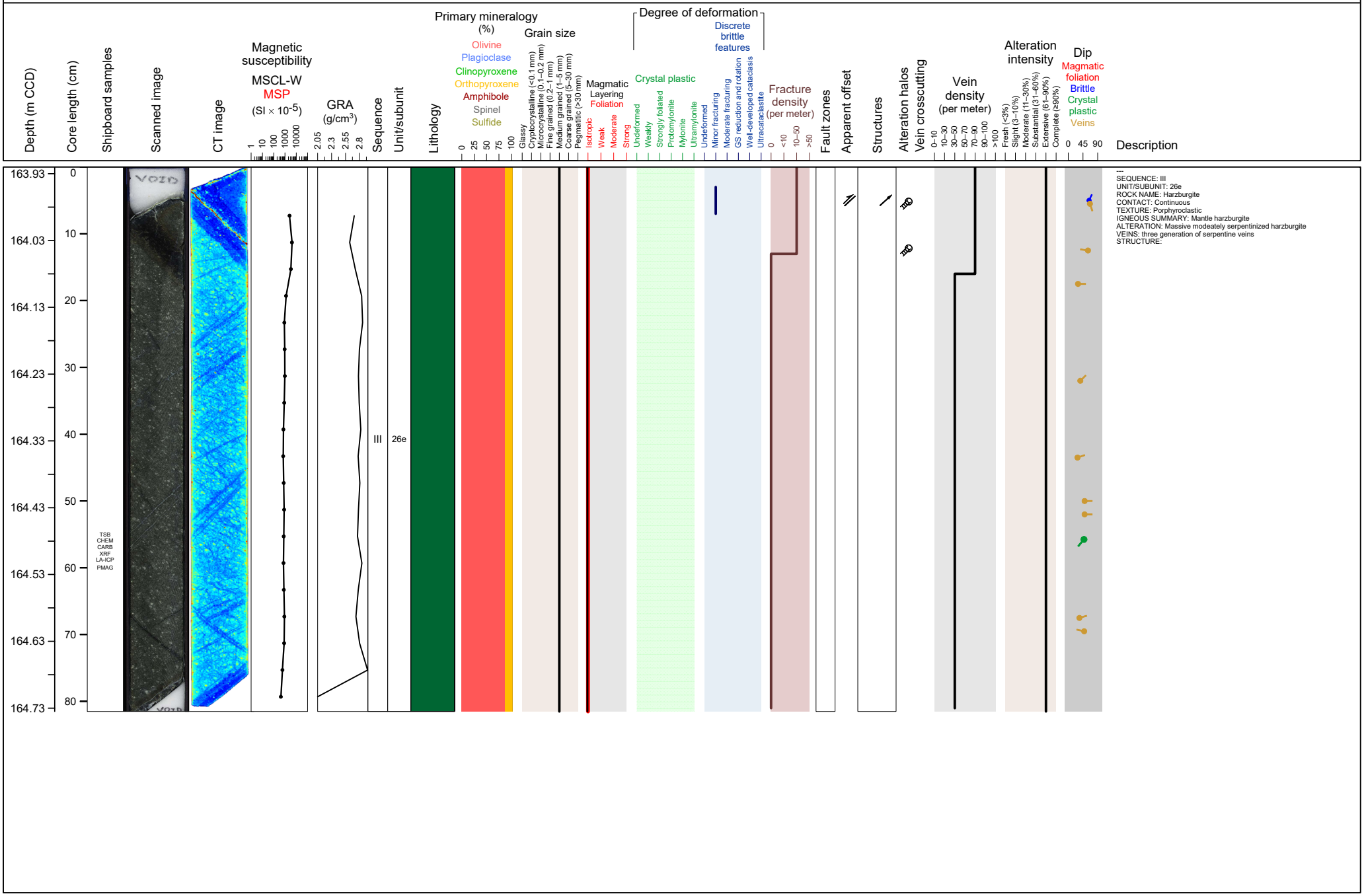
SEQUENCE: III
UNIT/SUBUNIT: 26d
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle harzburgite
ALTERATION: Very high altered gabbroic vein
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 26e
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive modeately serpentinized harzburgite
VEINS: three generation of serpentine veins
STRUCTURE:

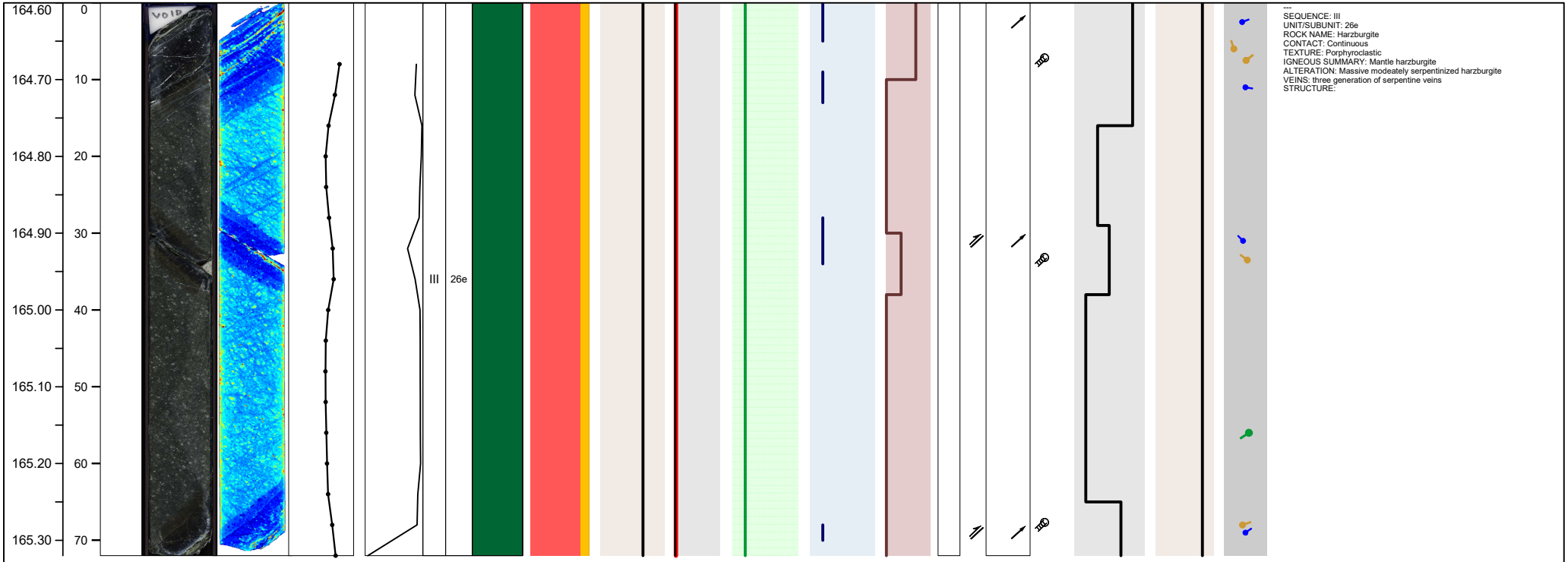
Hole CM2B-77Z Section 3, Top of Section 162.97 (m CCD)



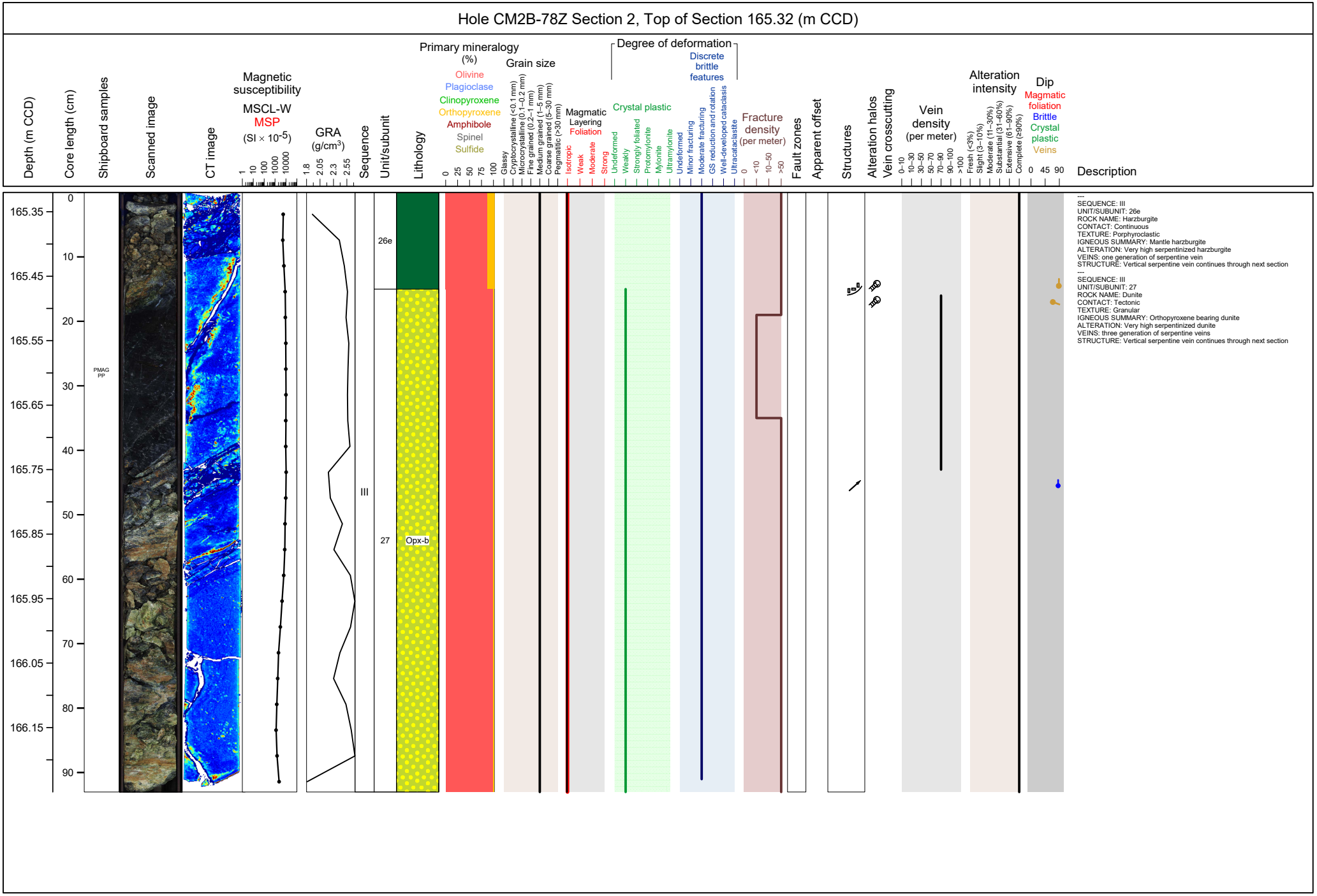
Hole CM2B-77Z Section 4, Top of Section 163.92 (m CCD)



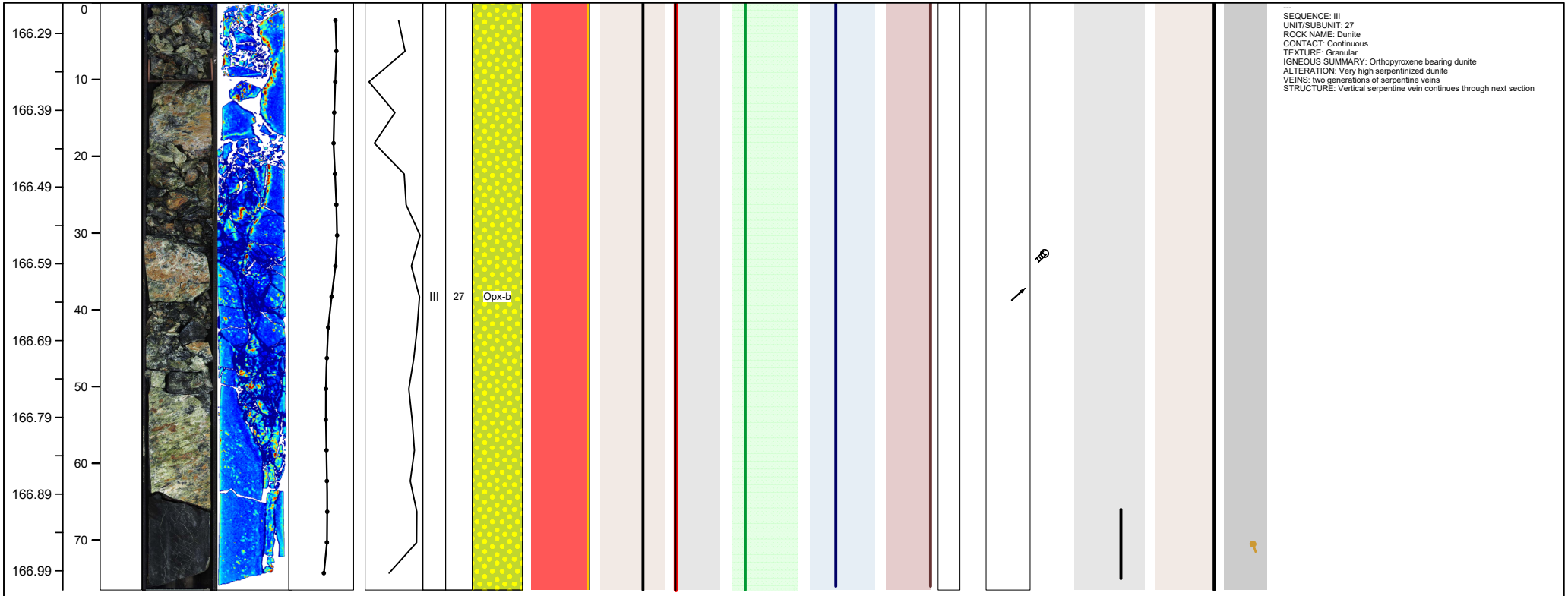
Hole CM2B-78Z Section 1, Top of Section 164.60 (m CCD)



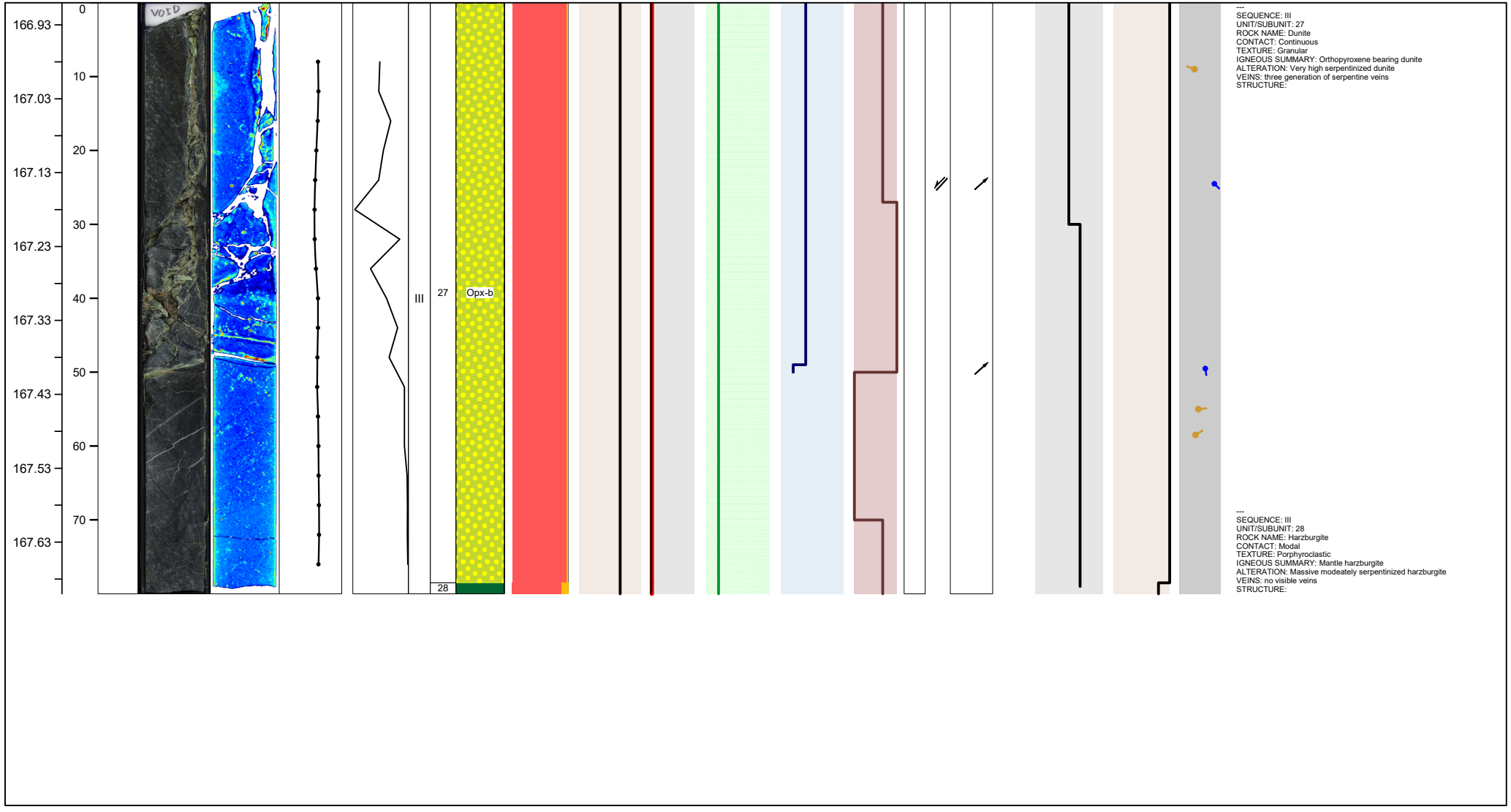
Hole CM2B-78Z Section 2, Top of Section 165.32 (m CCD)



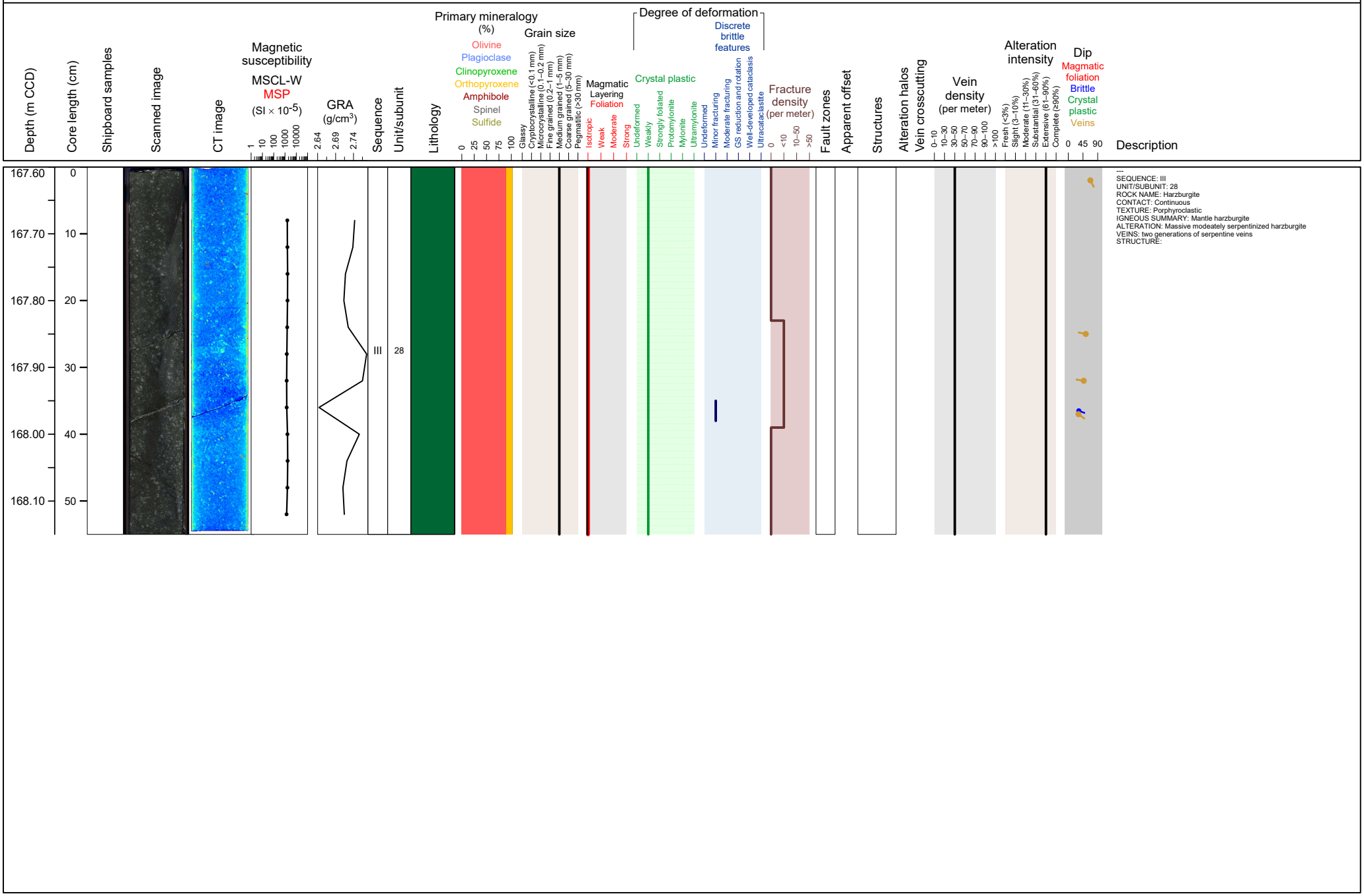
Hole CM2B-78Z Section 3, Top of Section 166.25 (m CCD)



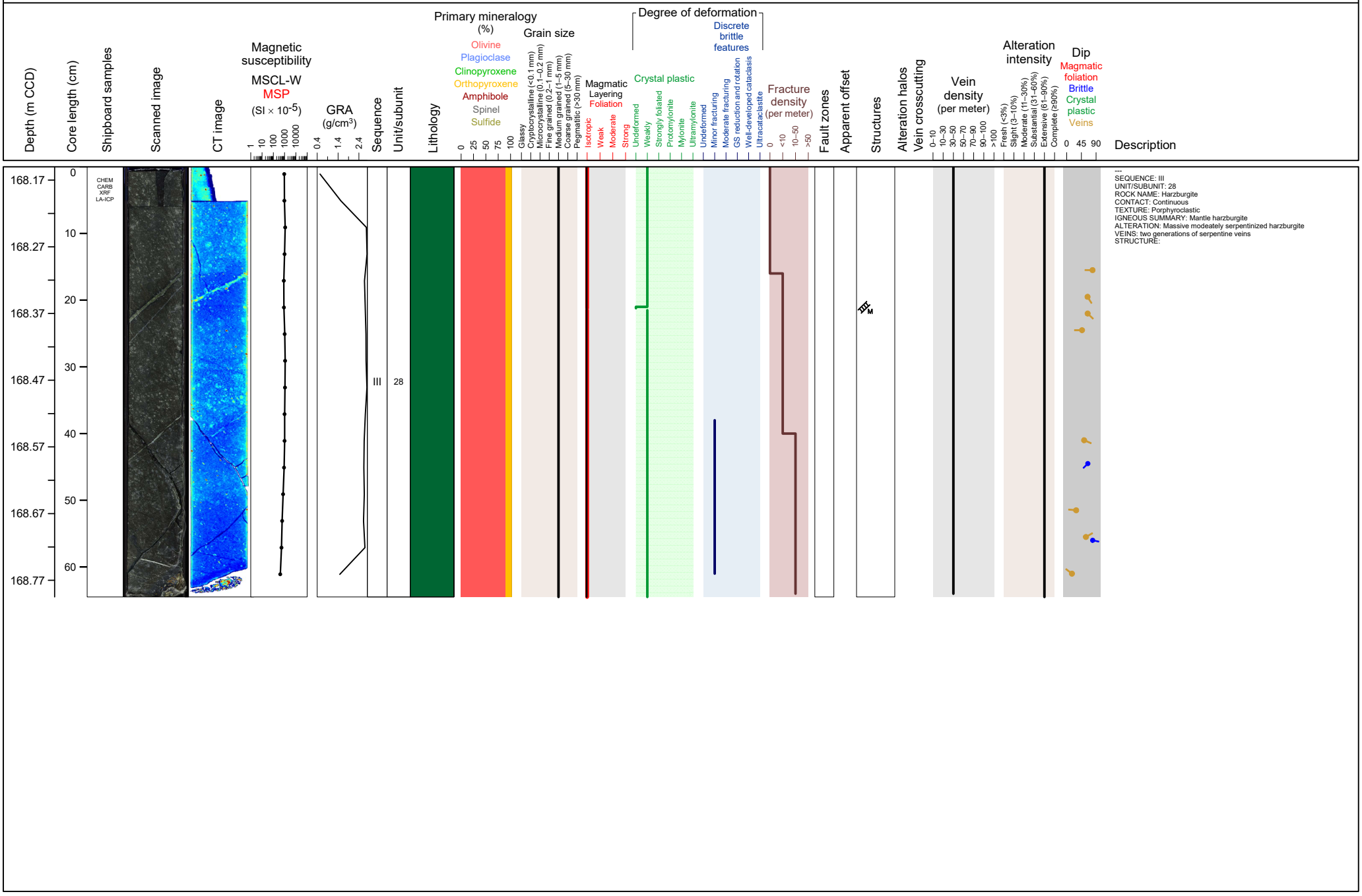
Hole CM2B-79Z Section 1, Top of Section 166.90 (m CCD)



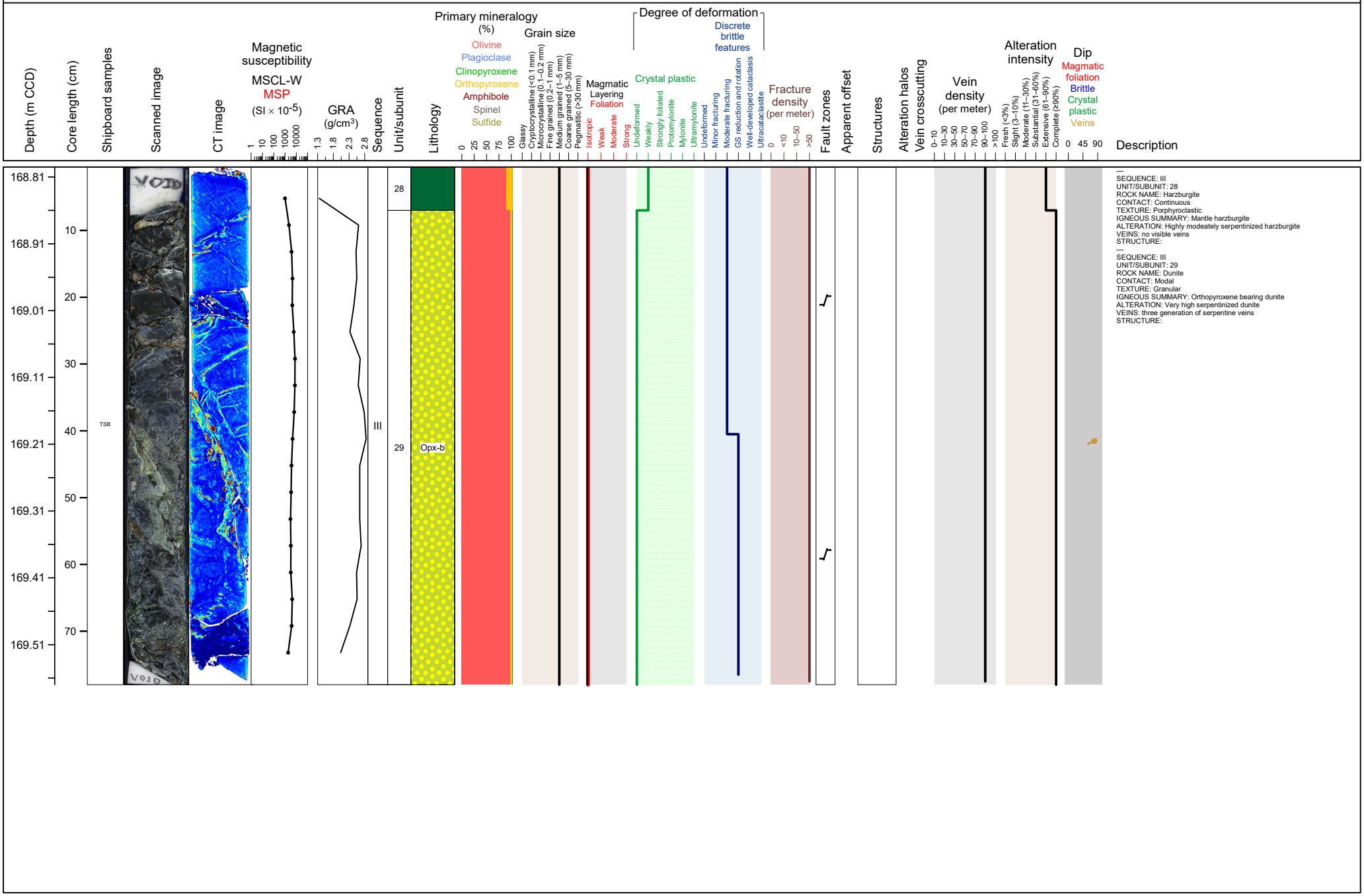
Hole CM2B-80Z Section 1, Top of Section 167.60 (m CCD)



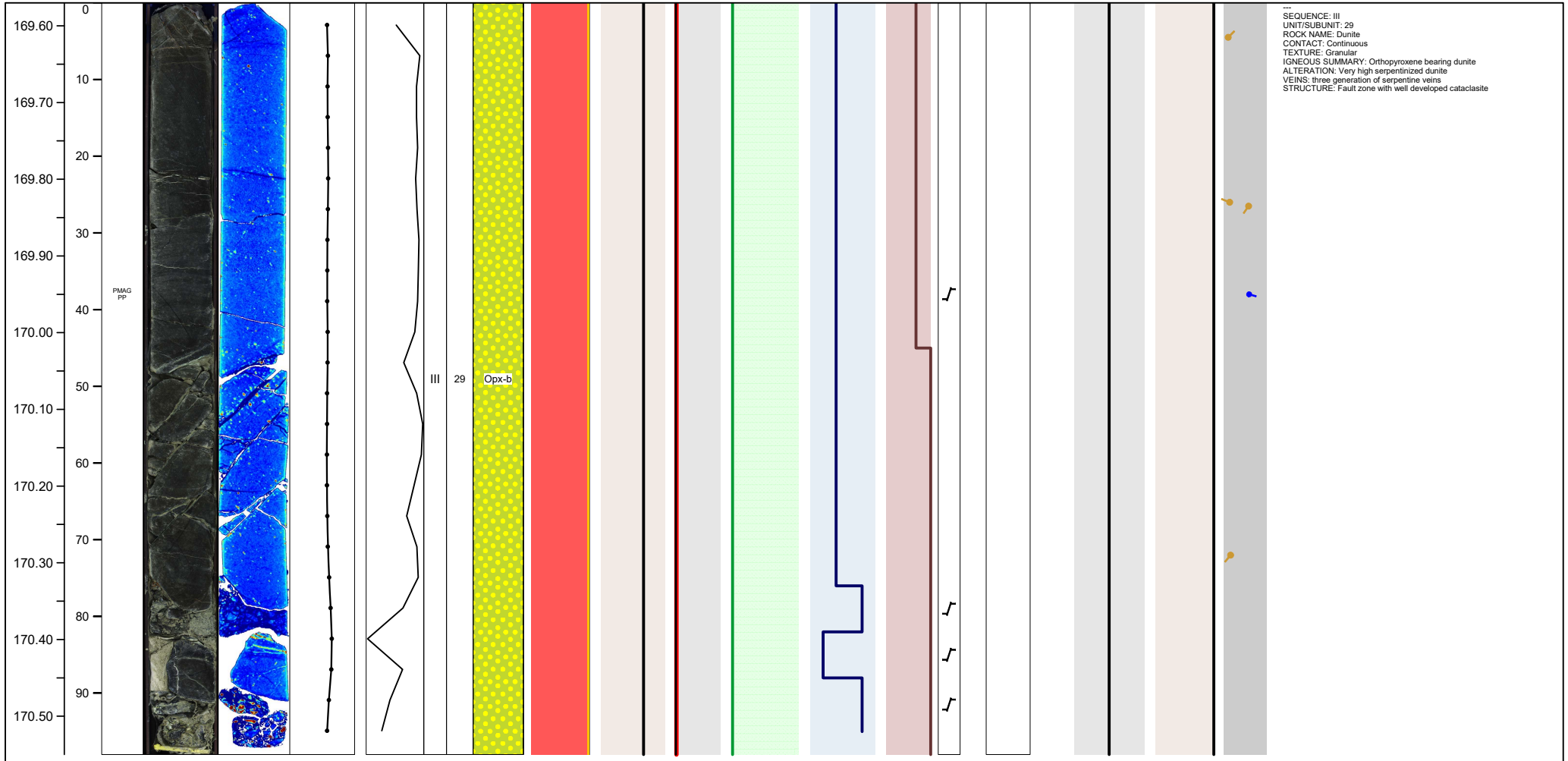
Hole CM2B-80Z Section 2, Top of Section 168.15 (m CCD)



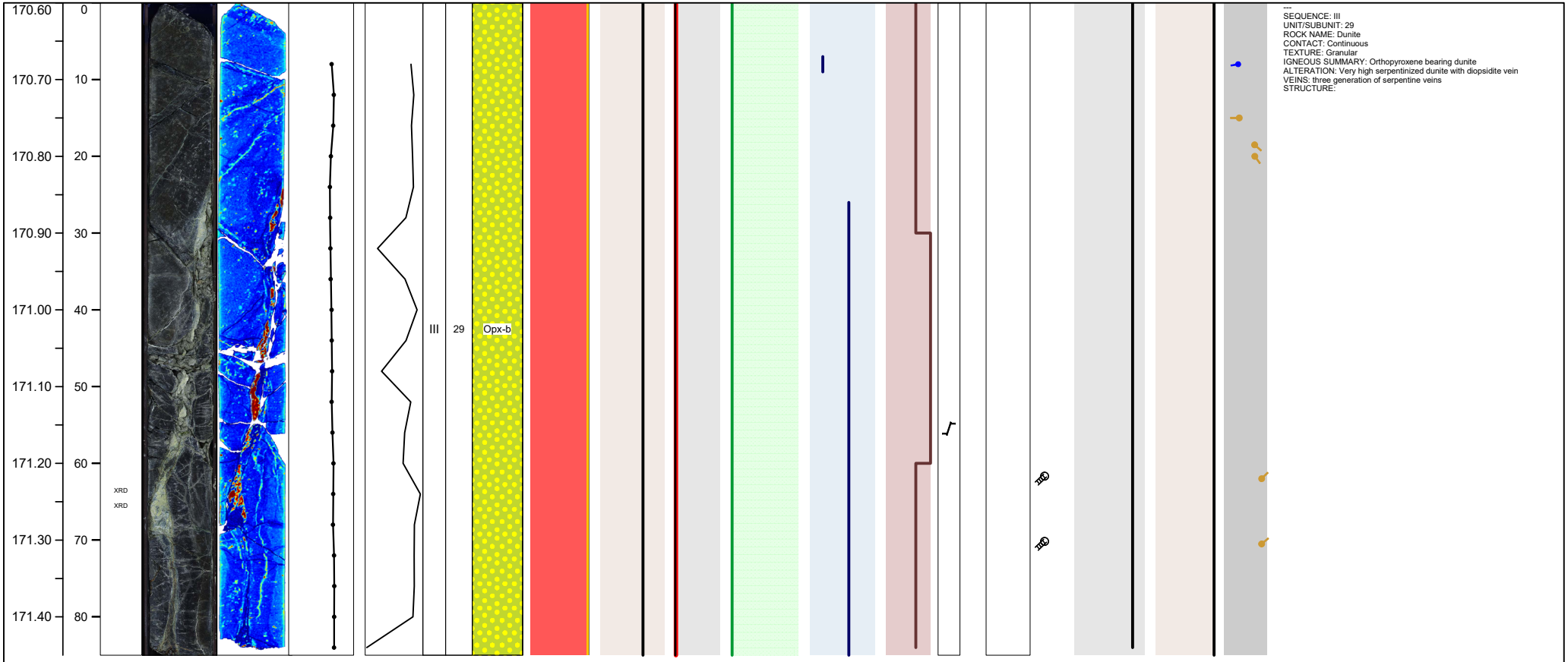
Hole CM2B-80Z Section 3, Top of Section 168.80 (m CCD)



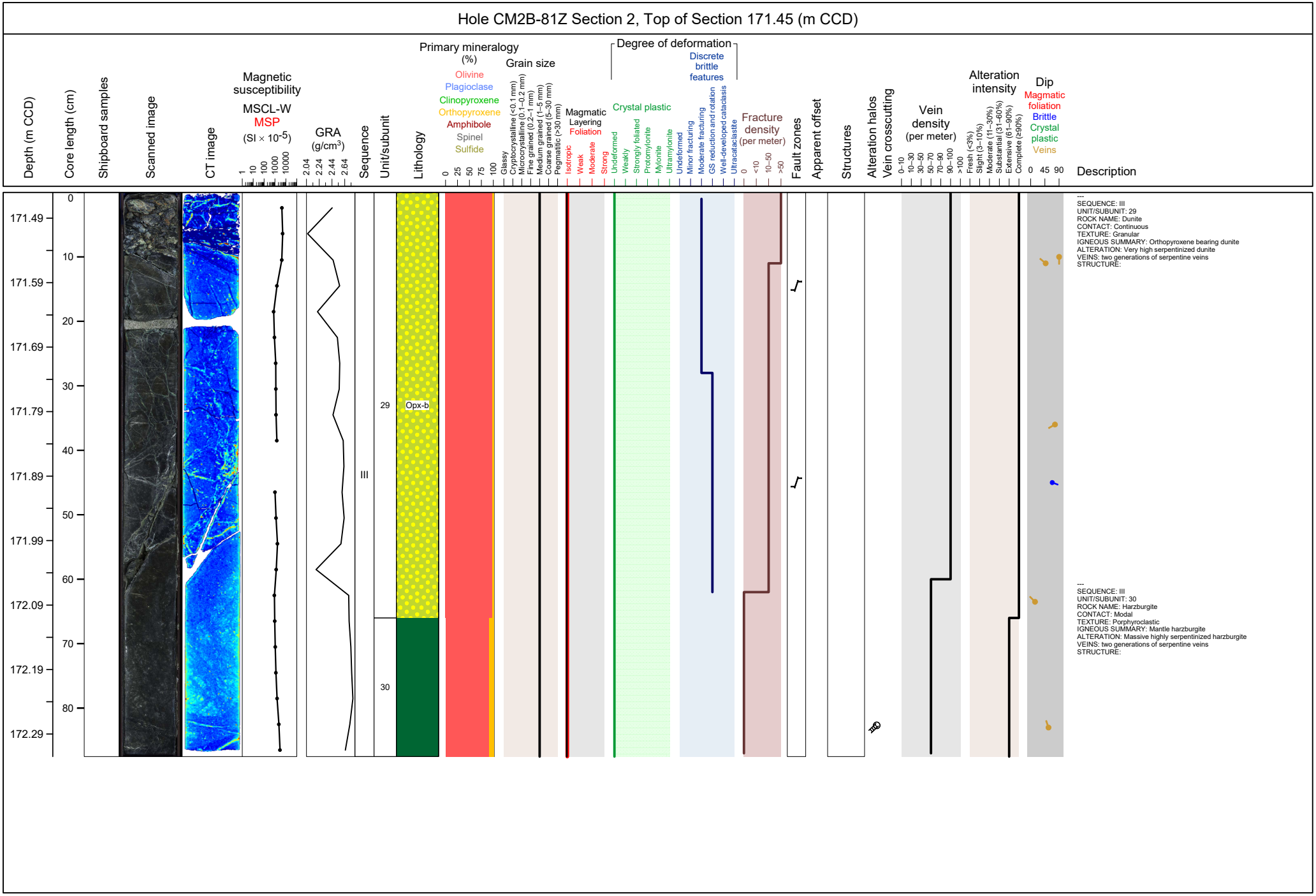
Hole CM2B-80Z Section 4, Top of Section 169.57 (m CCD)



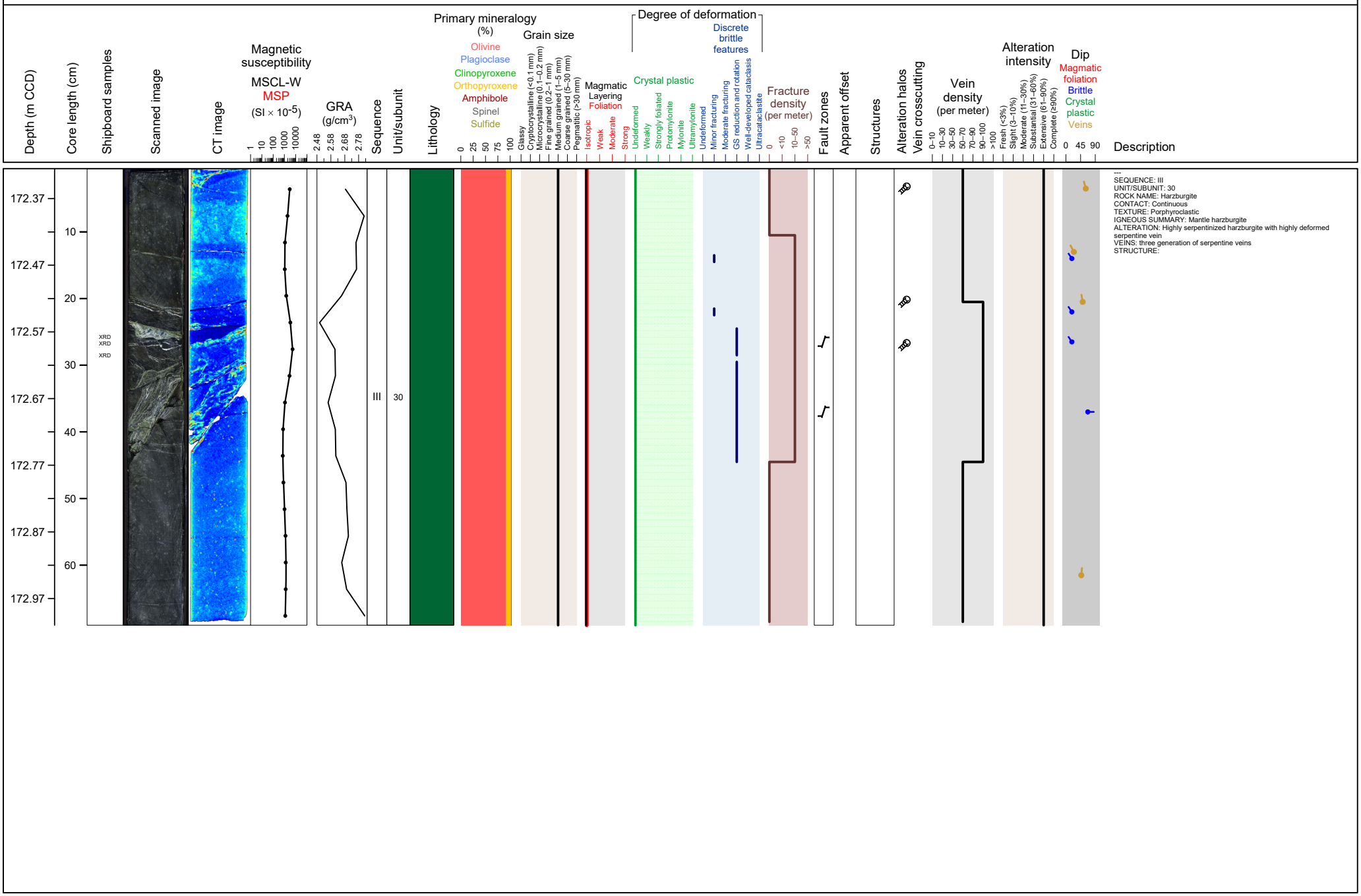
Hole CM2B-81Z Section 1, Top of Section 170.60 (m CCD)



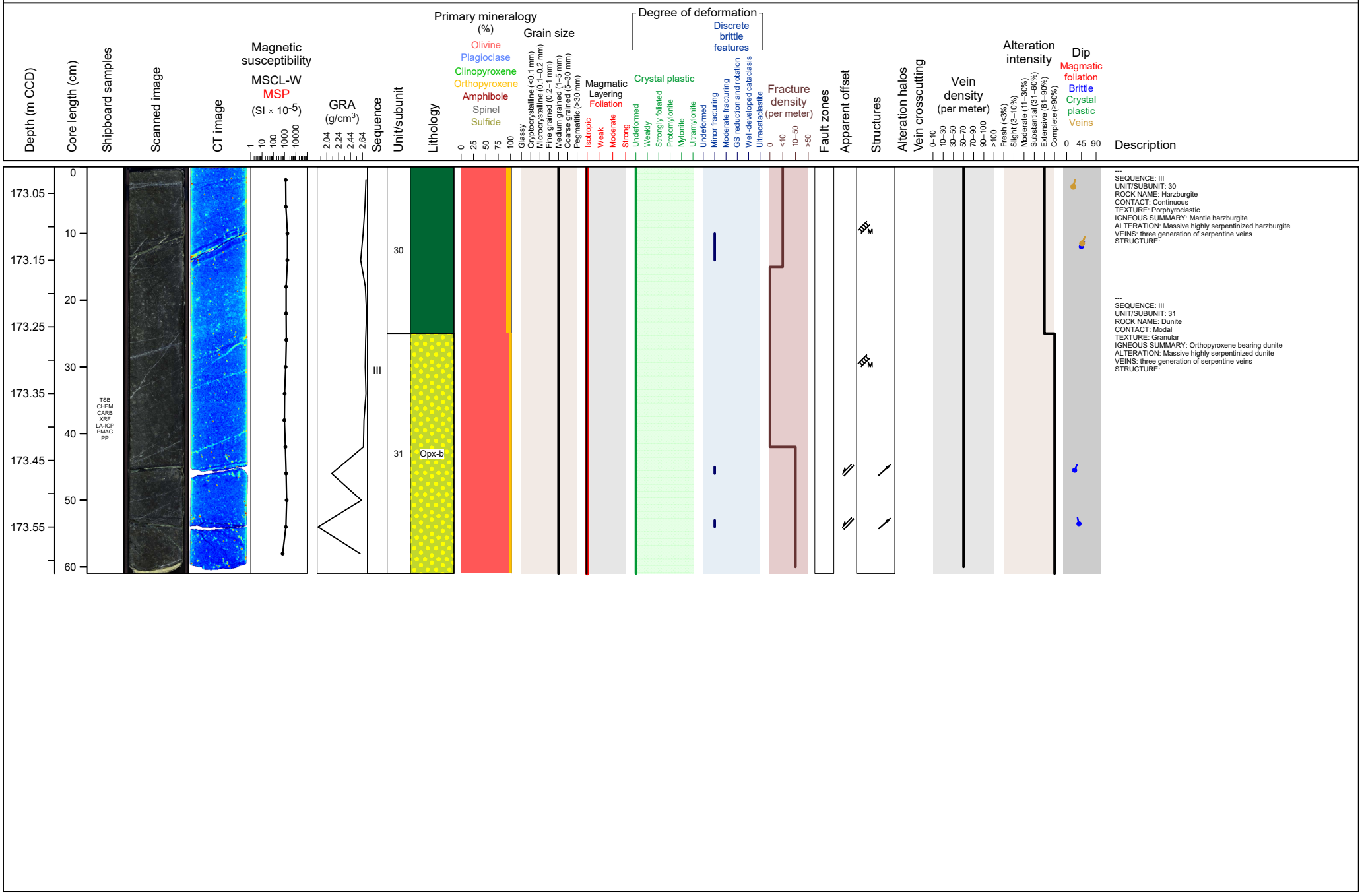
Hole CM2B-81Z Section 2, Top of Section 171.45 (m CCD)



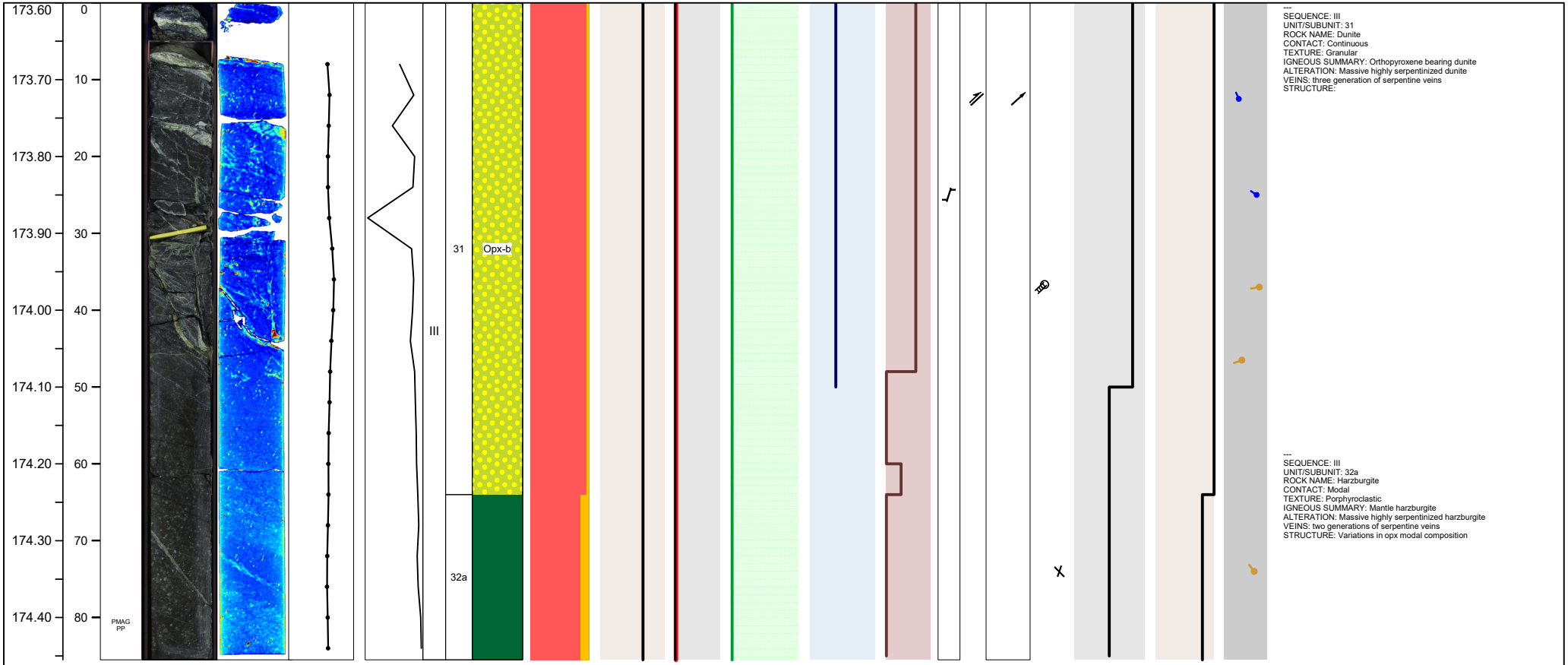
Hole CM2B-81Z Section 3, Top of Section 172.33 (m CCD)



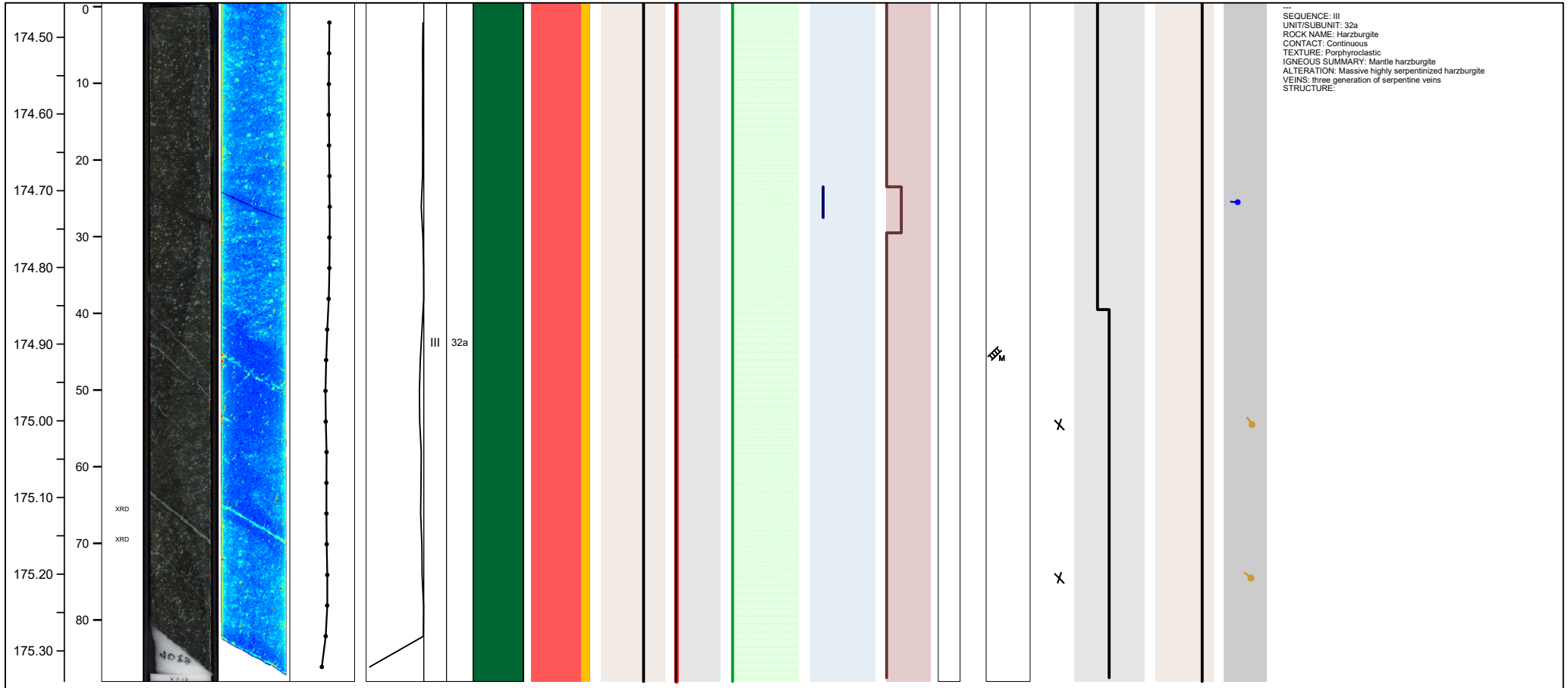
Hole CM2B-81Z Section 4, Top of Section 173.01 (m CCD)



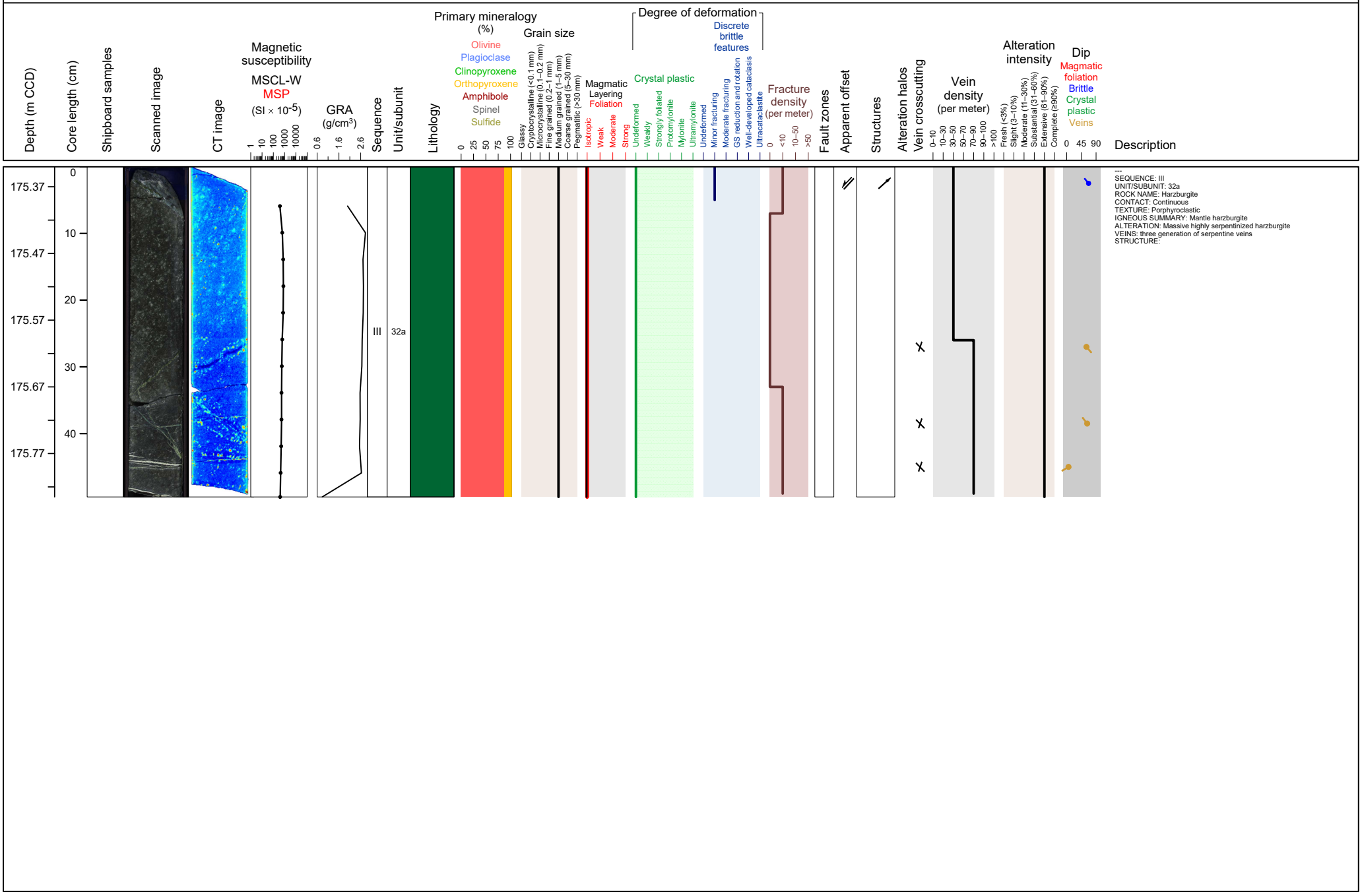
Hole CM2B-82Z Section 1, Top of Section 173.60 (m CCD)



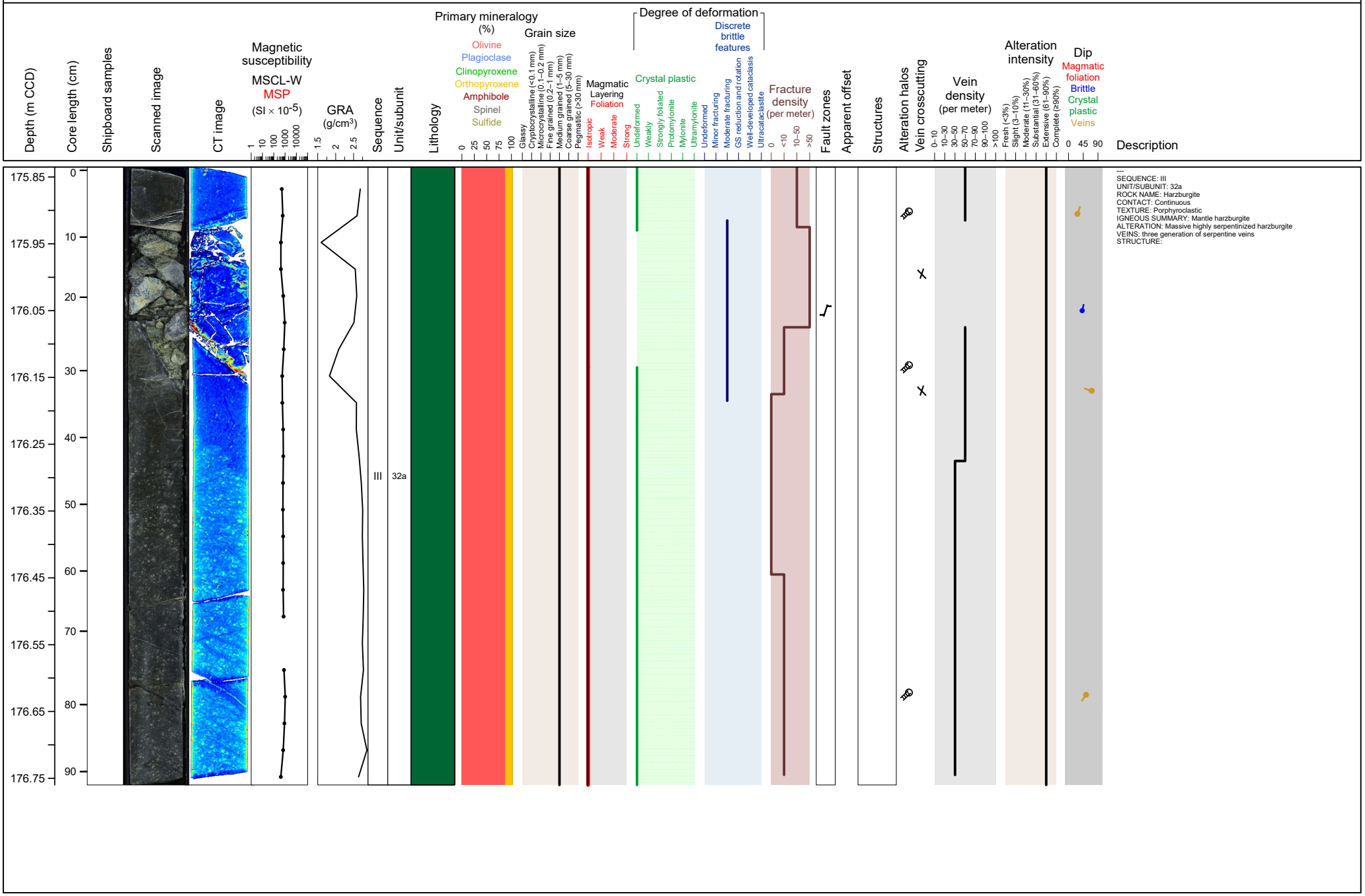
Hole CM2B-82Z Section 2, Top of Section 174.46 (m CCD)



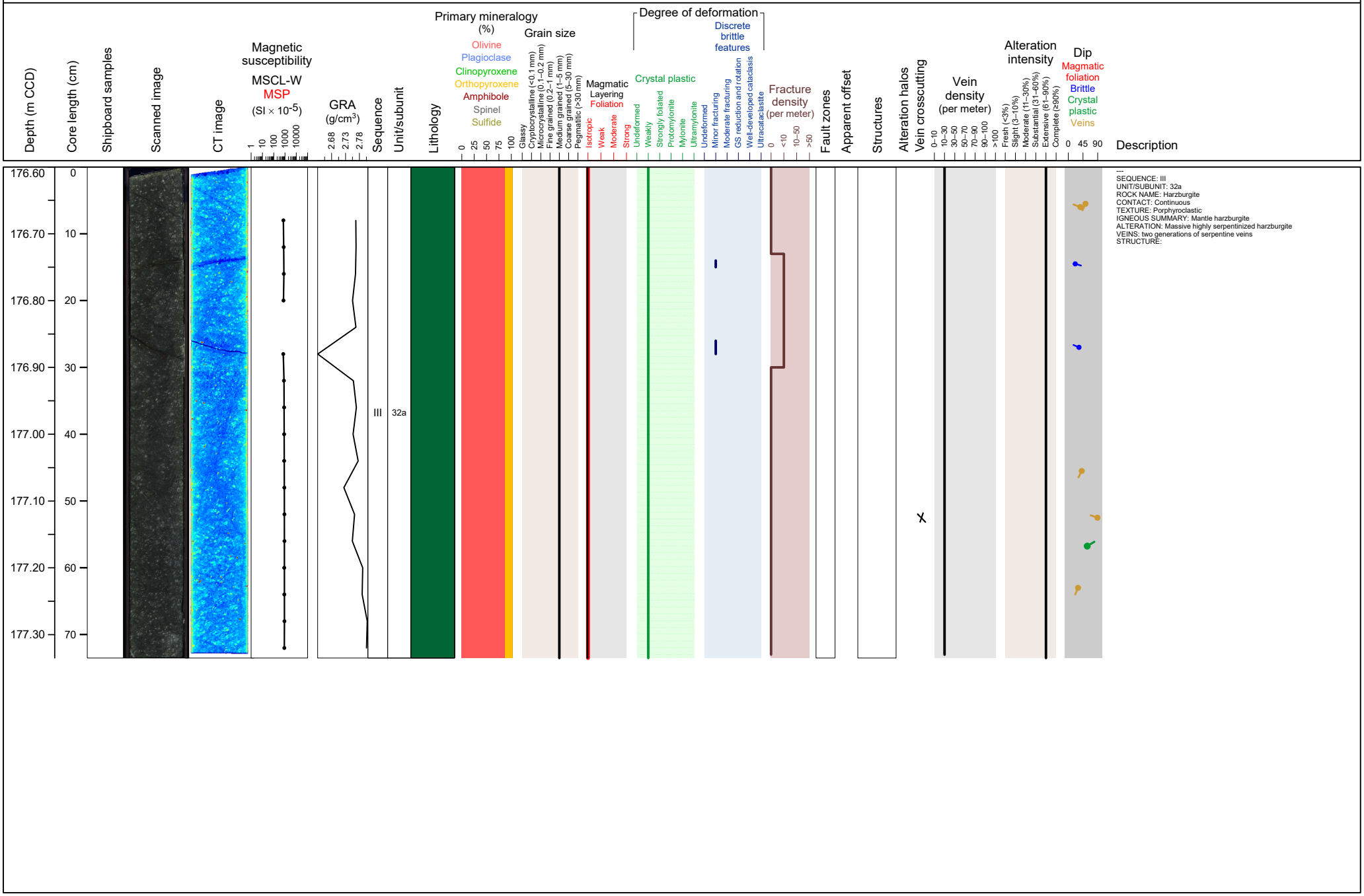
Hole CM2B-82Z Section 3, Top of Section 175.34 (m CCD)



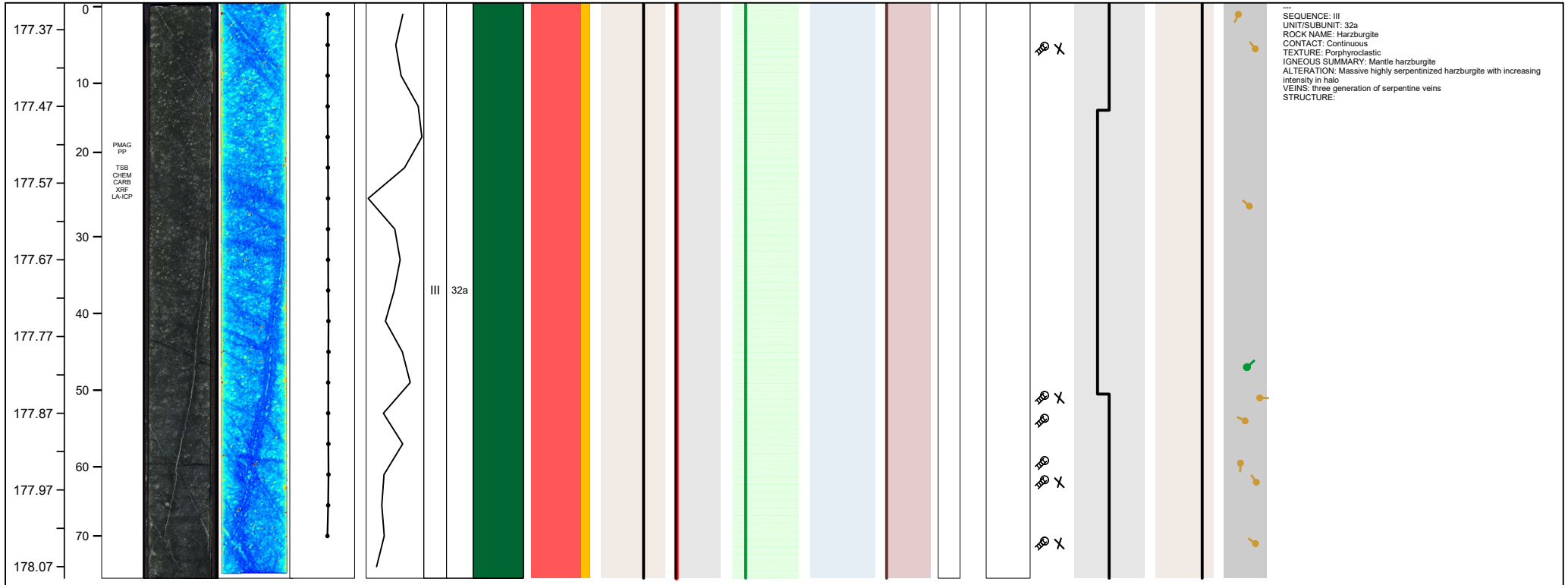
Hole CM2B-82Z Section 4, Top of Section 175.84 (m CCD)



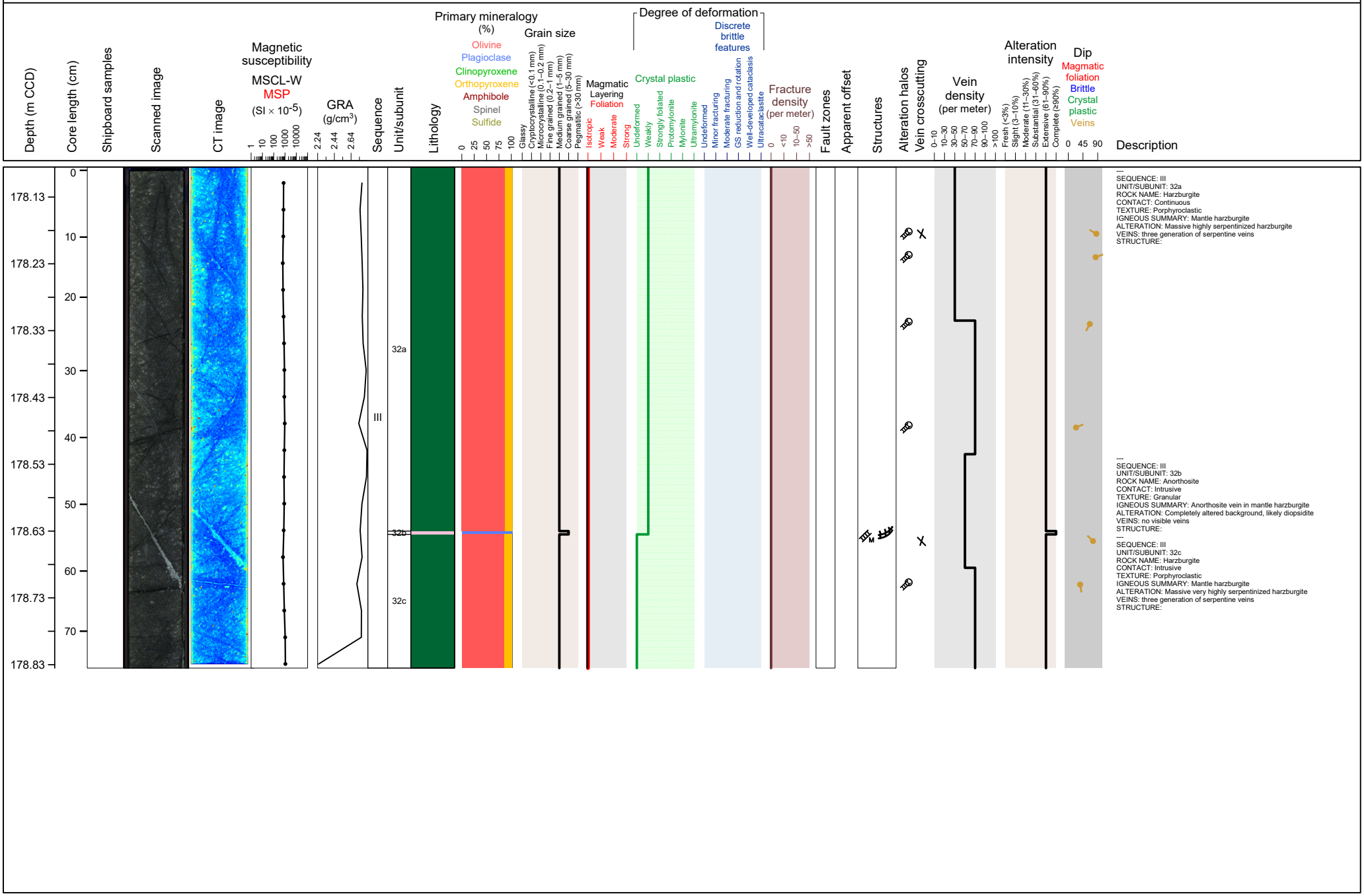
Hole CM2B-83Z Section 1, Top of Section 176.60 (m CCD)



Hole CM2B-83Z Section 2, Top of Section 177.34 (m CCD)



Hole CM2B-83Z Section 3, Top of Section 178.09 (m CCD)

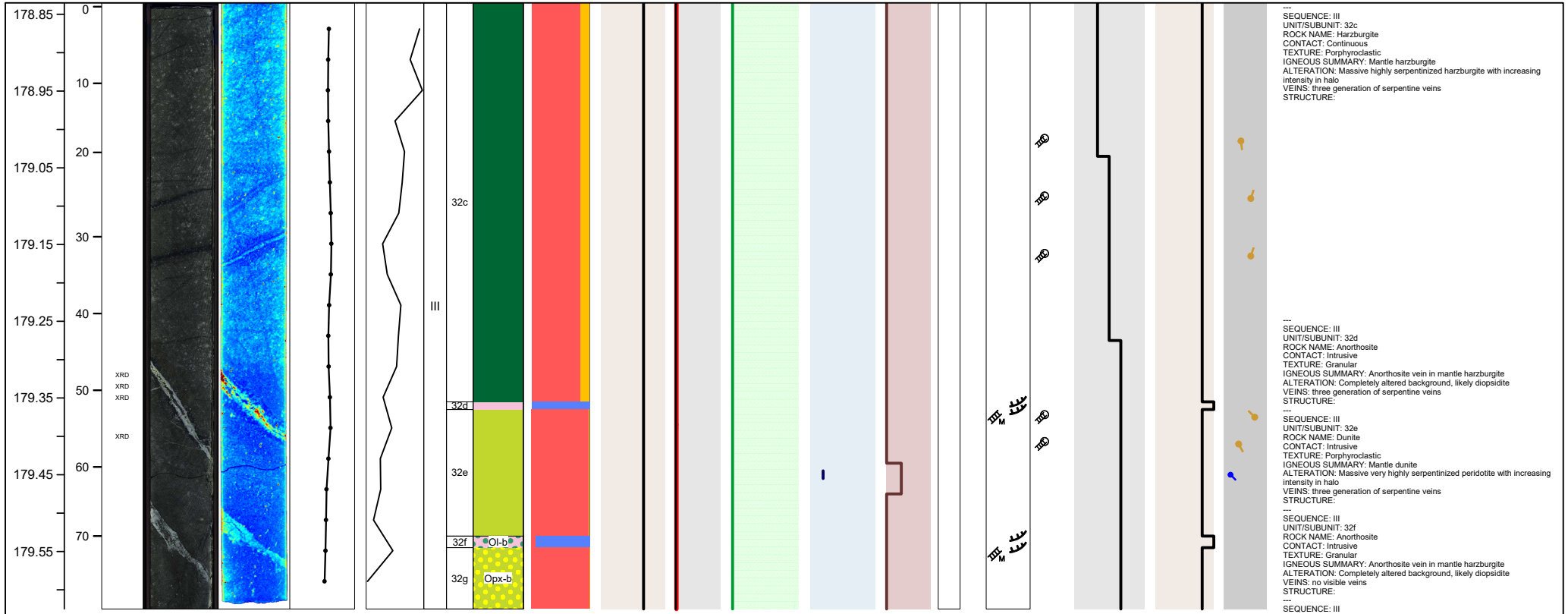


SEQUENCE: III
UNIT/SUBUNIT: 32a
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generation of serpentine veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 32b
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle harzburgite
ALTERATION: Completely altered background, likely diopsidite
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 32c
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive very highly serpentinized harzburgite
VEINS: three generation of serpentine veins
STRUCTURE:

Hole CM2B-83Z Section 4, Top of Section 178.84 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 32c
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: three generation of serpentine veins
STRUCTURE:

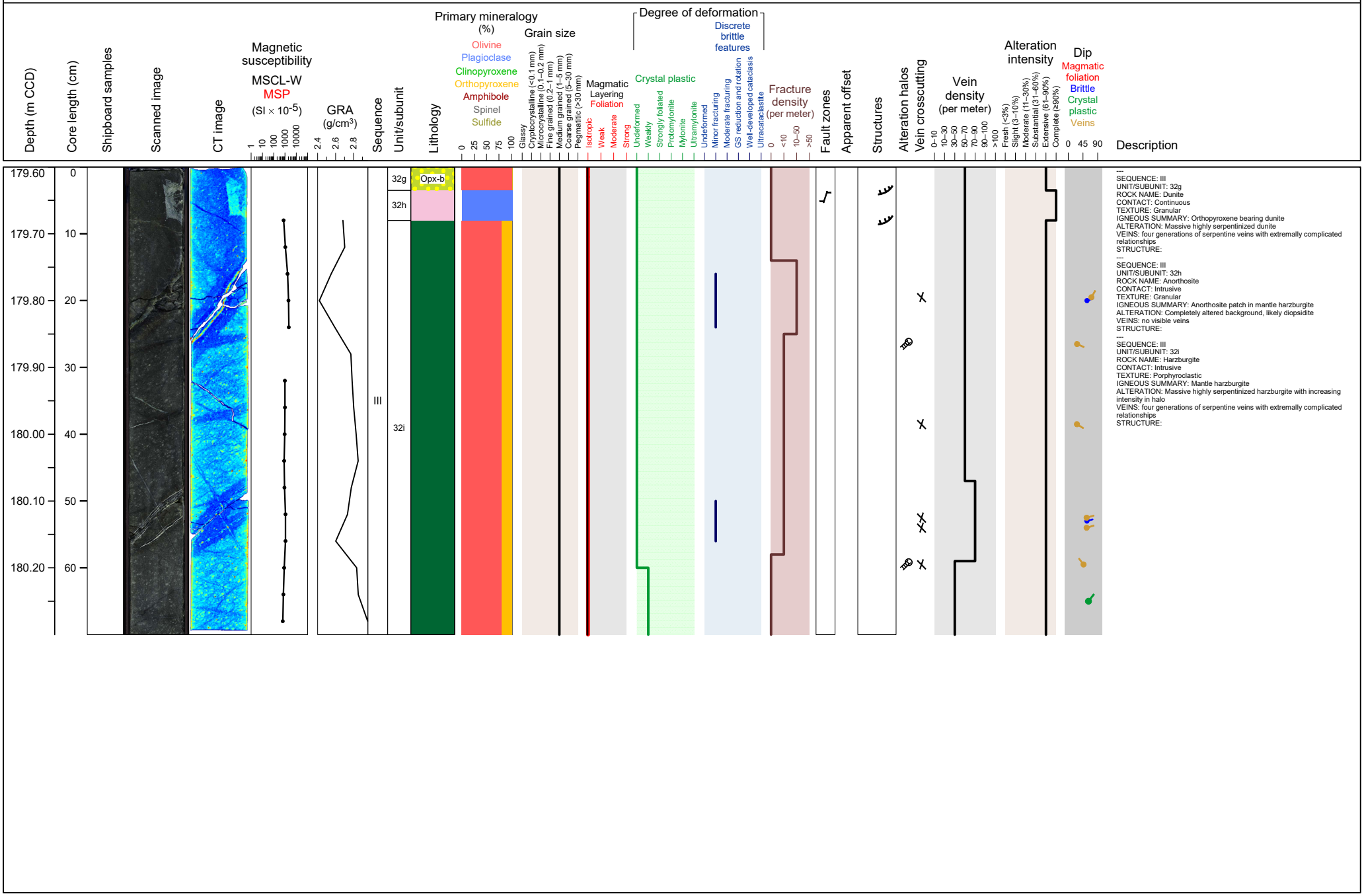
SEQUENCE: III
UNIT/SUBUNIT: 32d
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle harzburgite
ALTERATION: Completely altered background, likely diopsidite
VEINS: three generation of serpentine veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 32e
ROCK NAME: Dunite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle dunite
ALTERATION: Massive very highly serpentinized peridotite with increasing intensity in halo
VEINS: three generation of serpentine veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 32f
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle harzburgite
ALTERATION: Completely altered background, likely diopsidite
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 32g
ROCK NAME: Dunite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Orthopyroxene bearing dunite
ALTERATION: Massive highly serpentinized peridotite with increasing intensity in halo
VEINS: three generation of serpentine veins
STRUCTURE:

Hole CM2B-84Z Section 1, Top of Section 179.60 (m CCD)

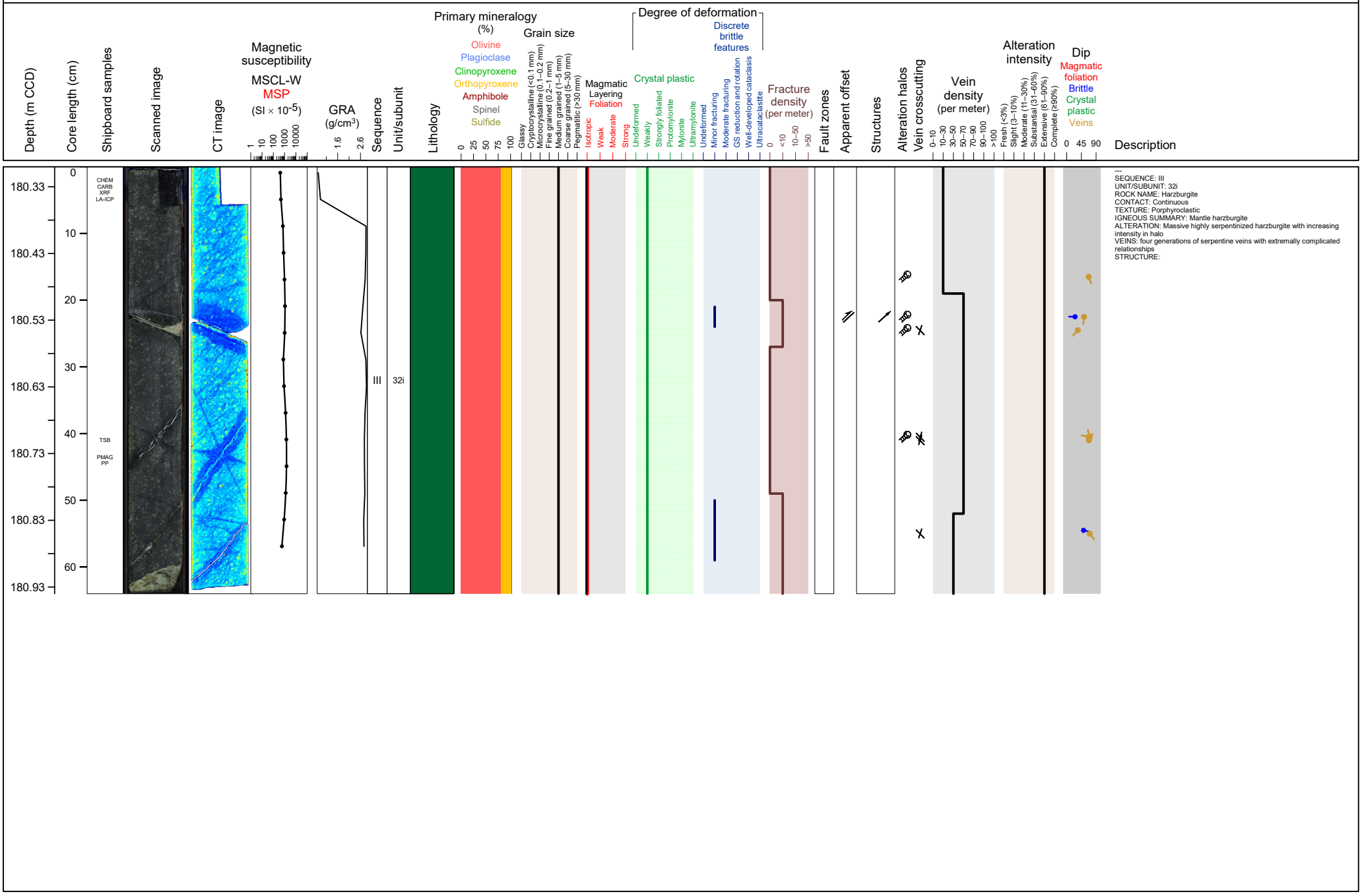


SEQUENCE: III
UNIT/SUBUNIT: 32g
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Orthopyroxene bearing dunite
ALTERATION: Massive highly serpentinized dunite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

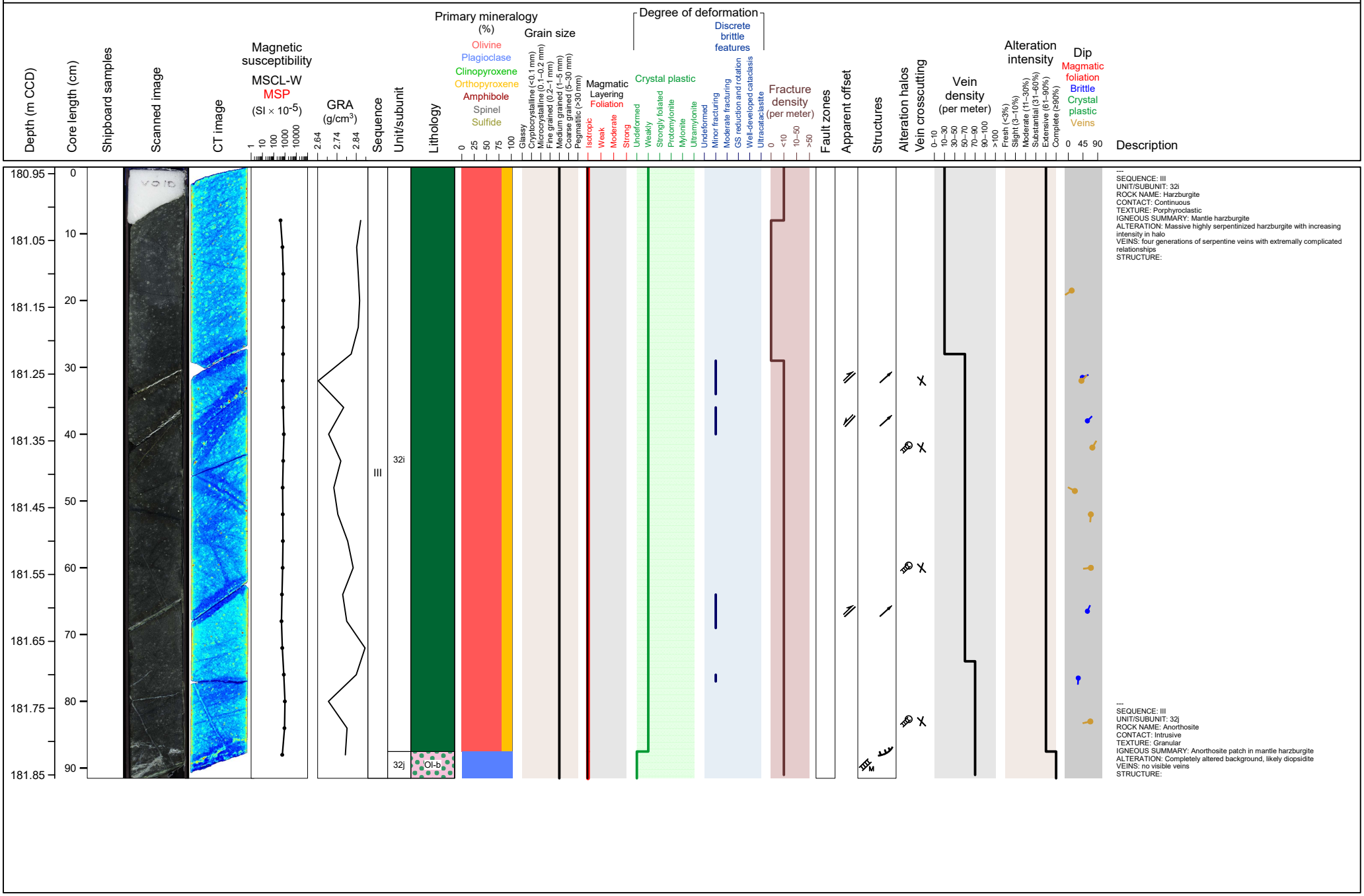
SEQUENCE: III
UNIT/SUBUNIT: 32h
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite patch in mantle harzburgite
ALTERATION: Completely altered background, likely diopsidite
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 32i
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

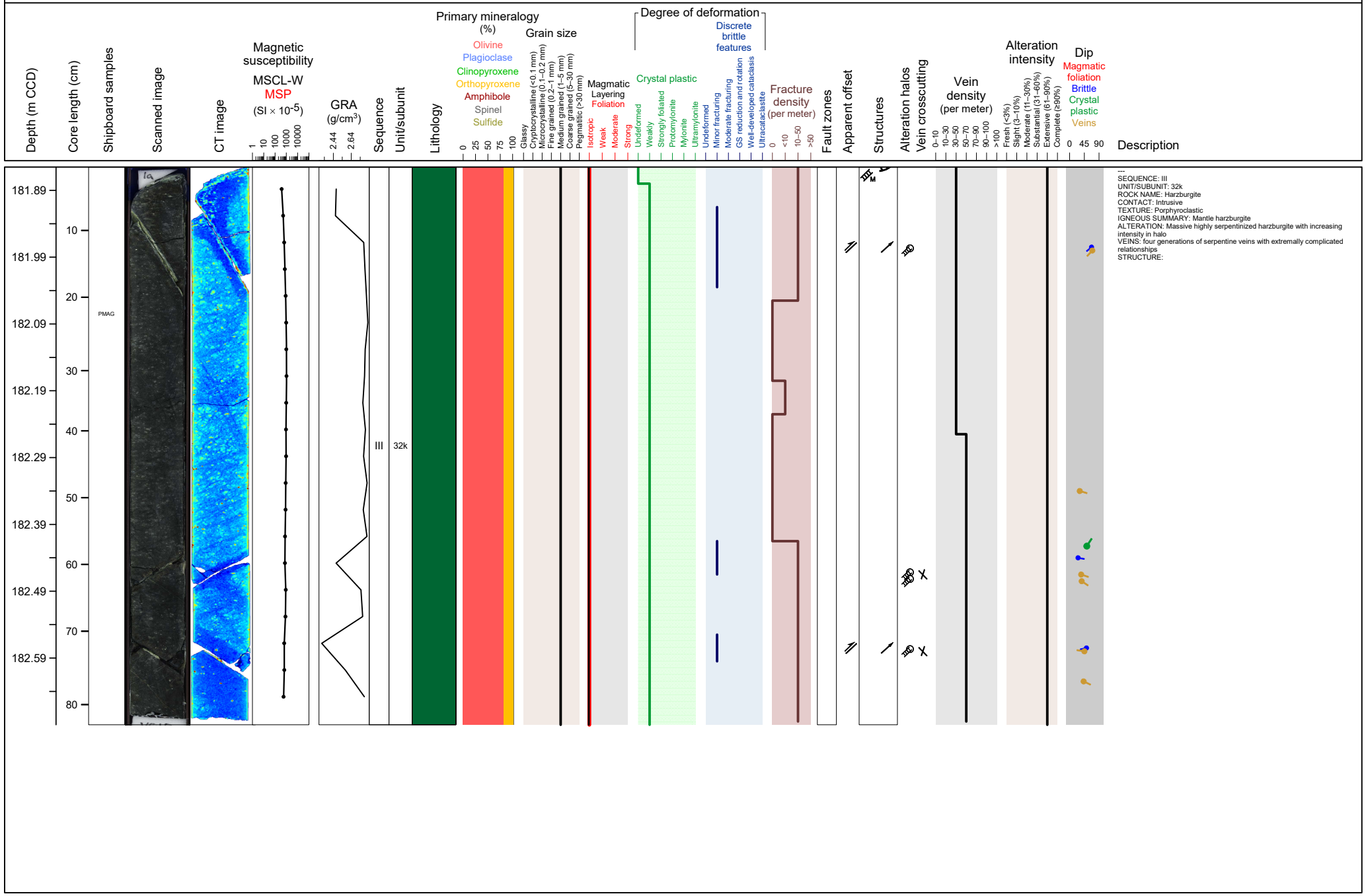
Hole CM2B-84Z Section 2, Top of Section 180.30 (m CCD)



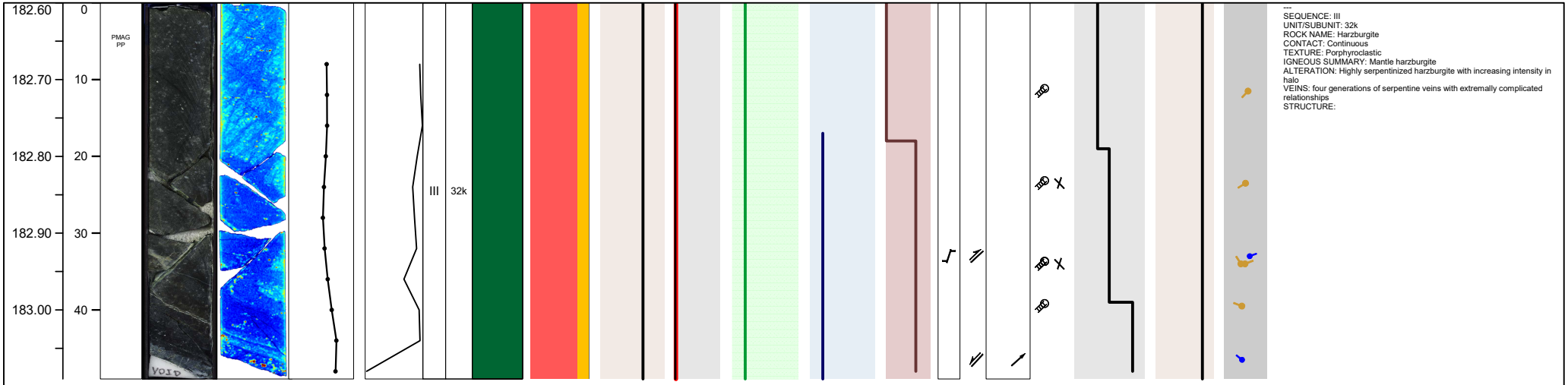
Hole CM2B-84Z Section 3, Top of Section 180.94 (m CCD)



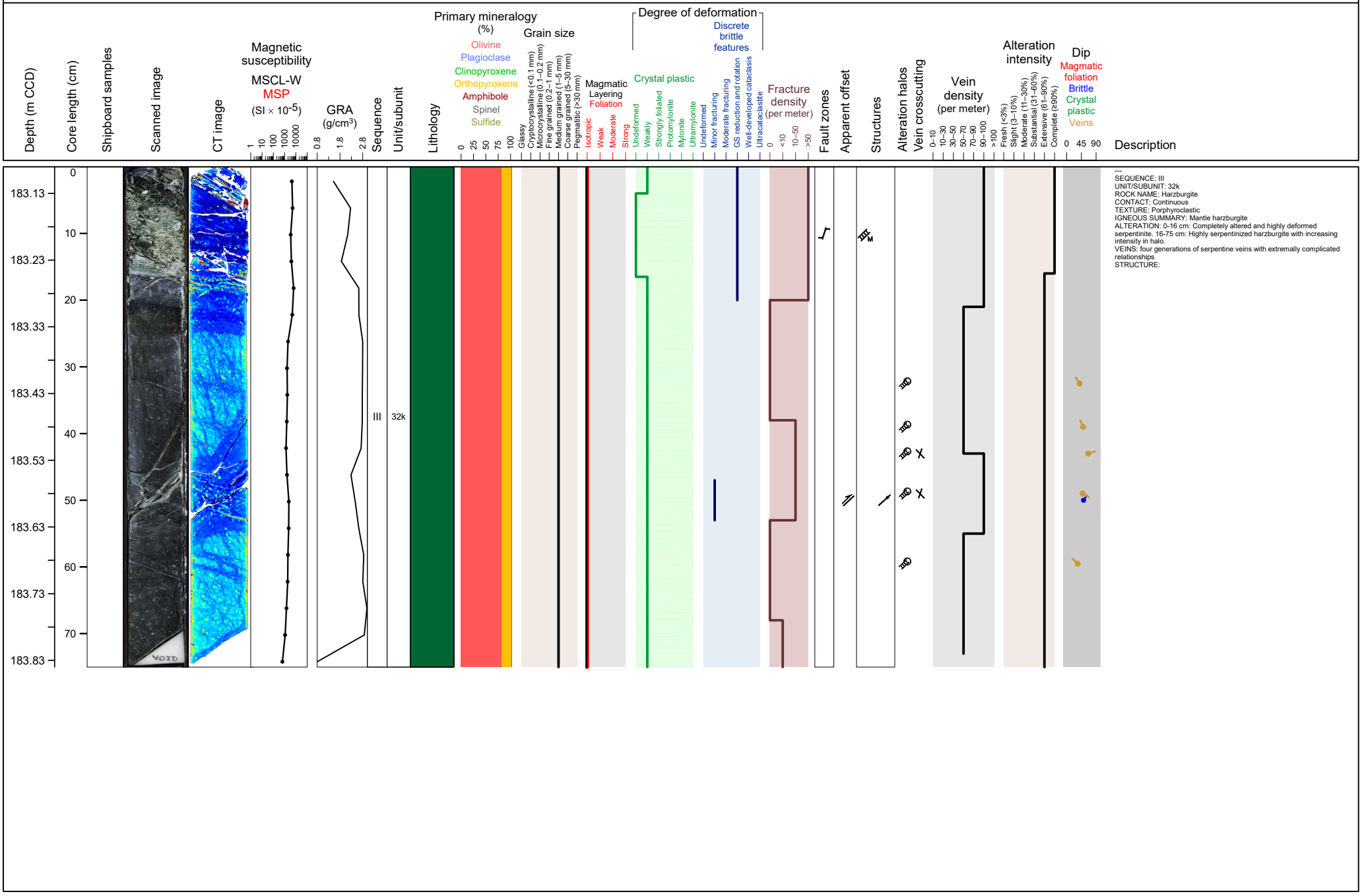
Hole CM2B-84Z Section 4, Top of Section 181.86 (m CCD)



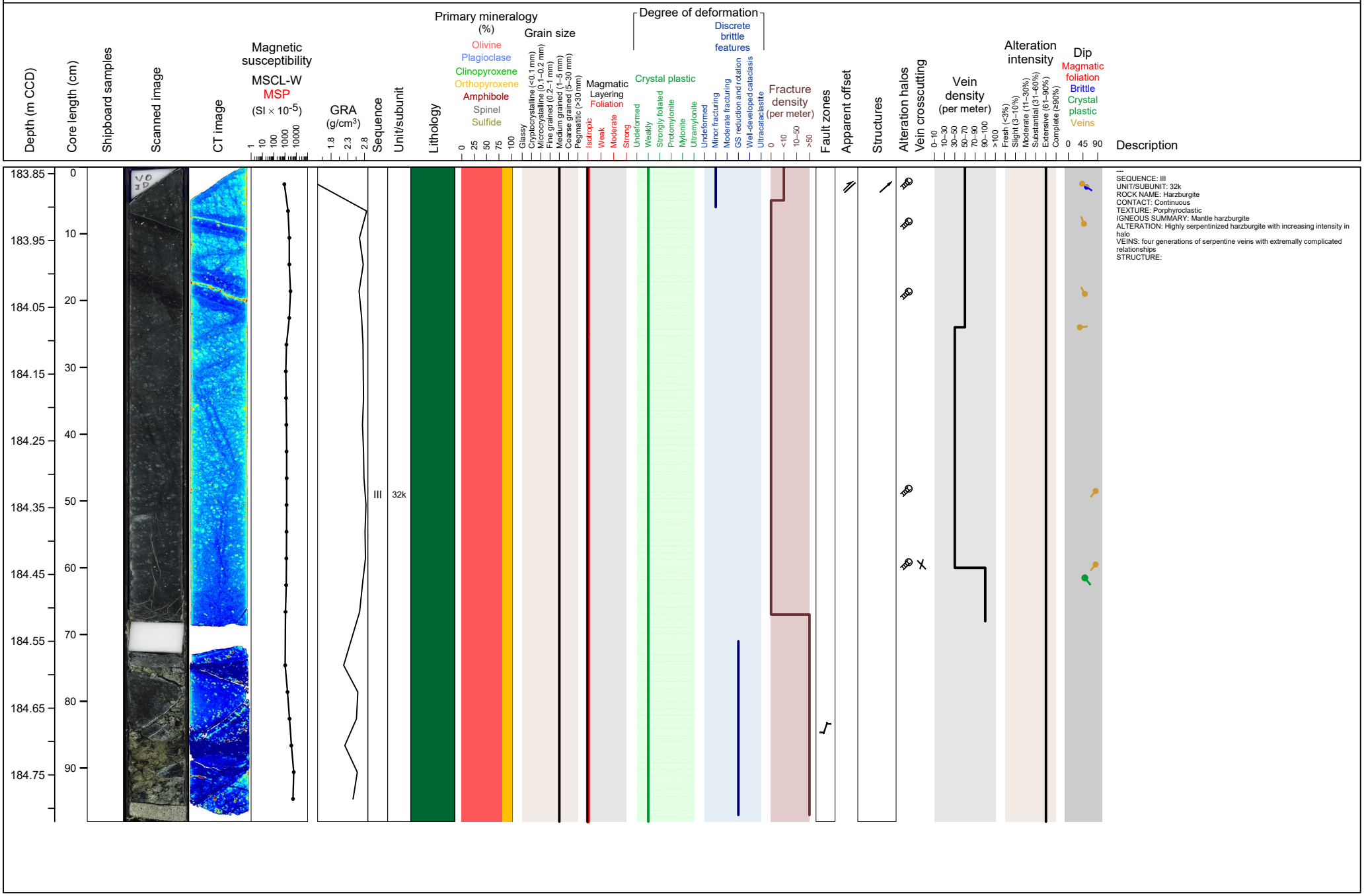
Hole CM2B-85Z Section 1, Top of Section 182.60 (m CCD)



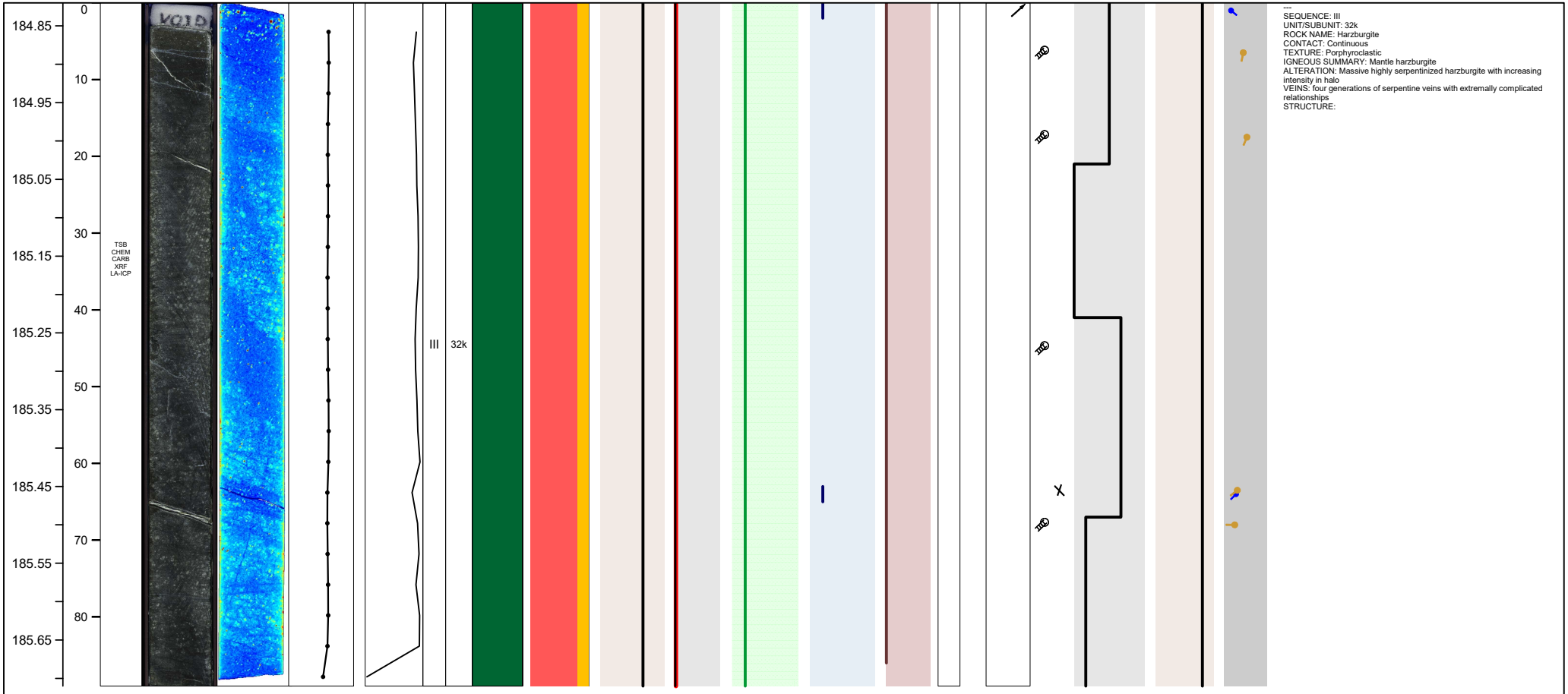
Hole CM2B-85Z Section 2, Top of Section 183.09 (m CCD)



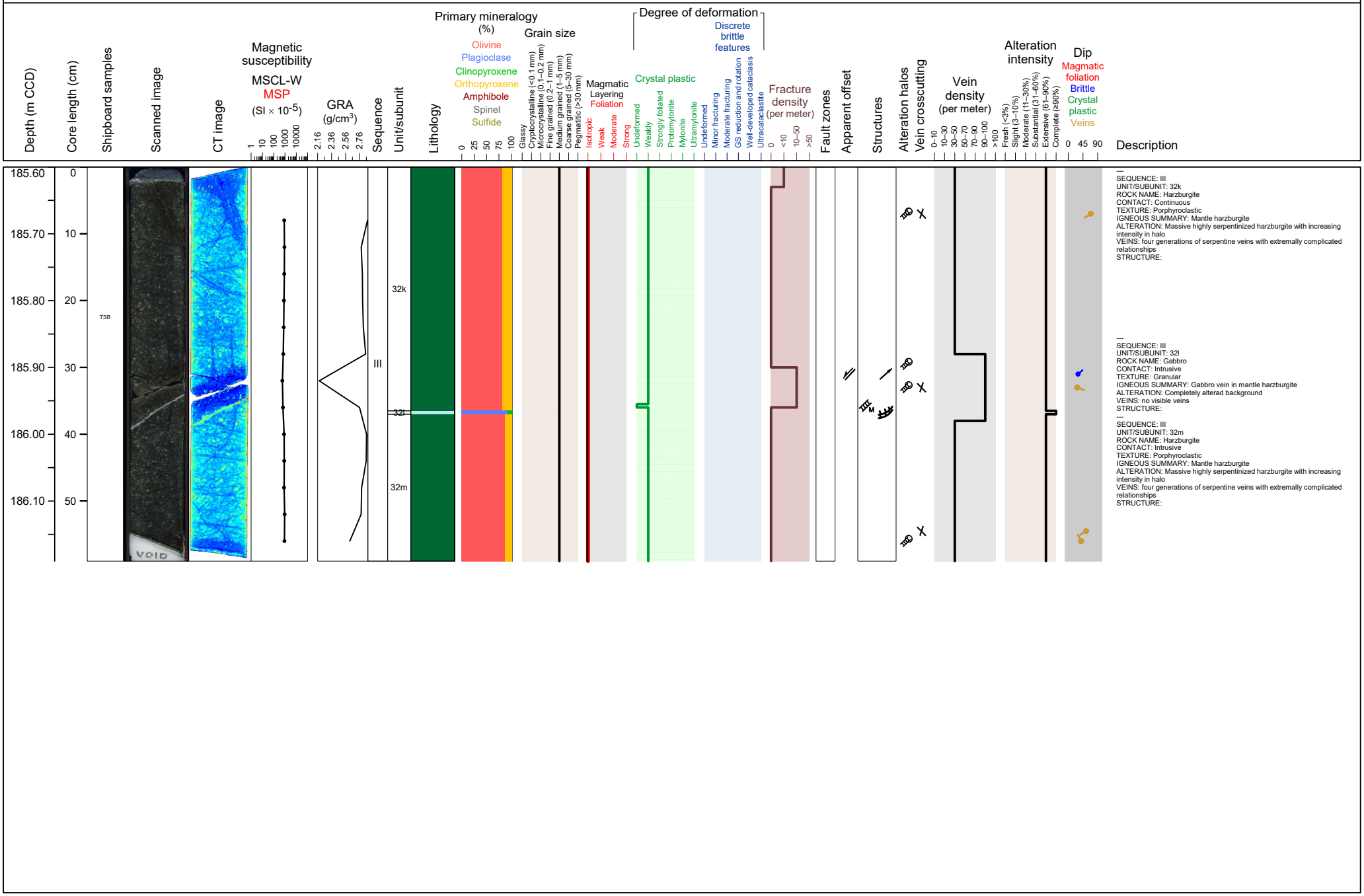
Hole CM2B-85Z Section 3, Top of Section 183.84 (m CCD)



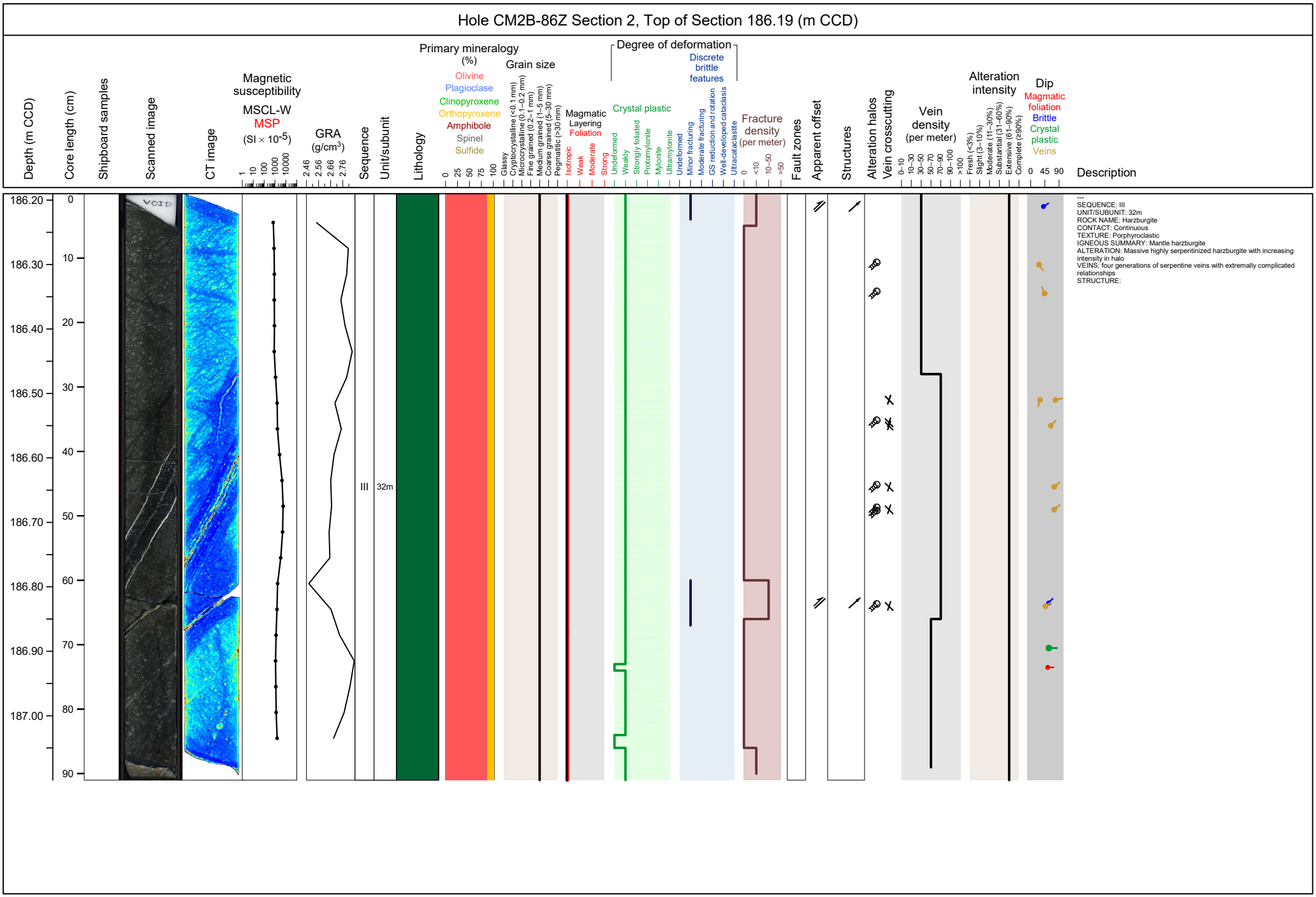
Hole CM2B-85Z Section 4, Top of Section 184.82 (m CCD)



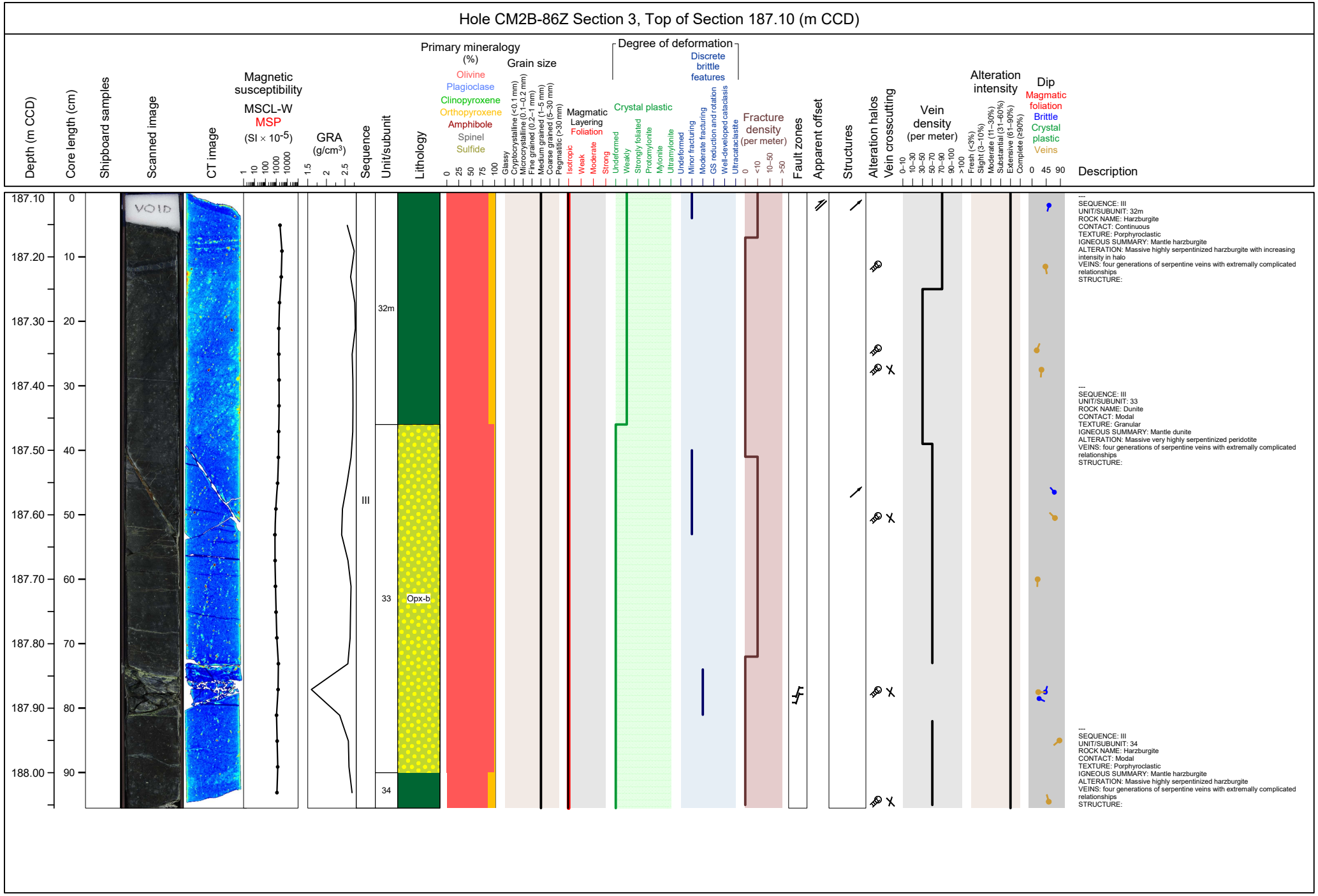
Hole CM2B-86Z Section 1, Top of Section 185.60 (m CCD)



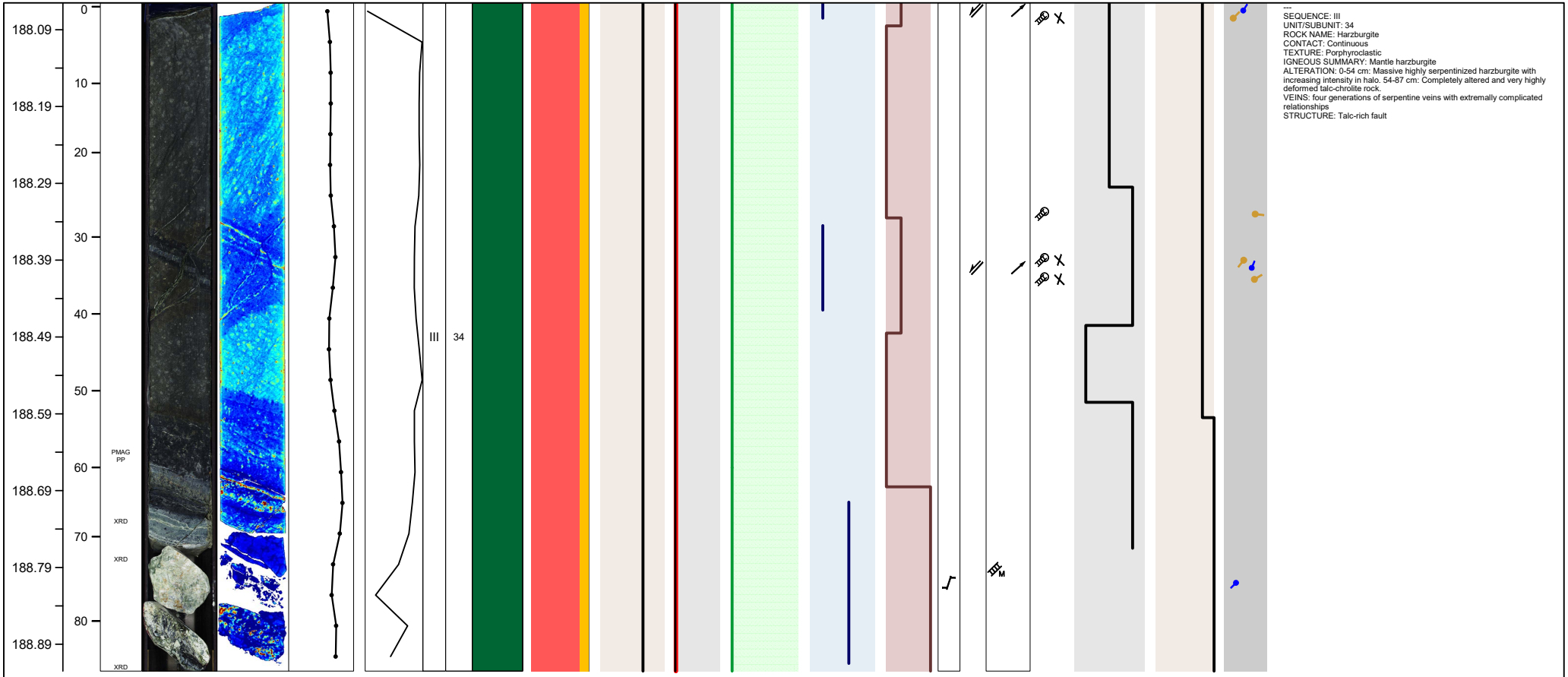
Hole CM2B-86Z Section 2, Top of Section 186.19 (m CCD)



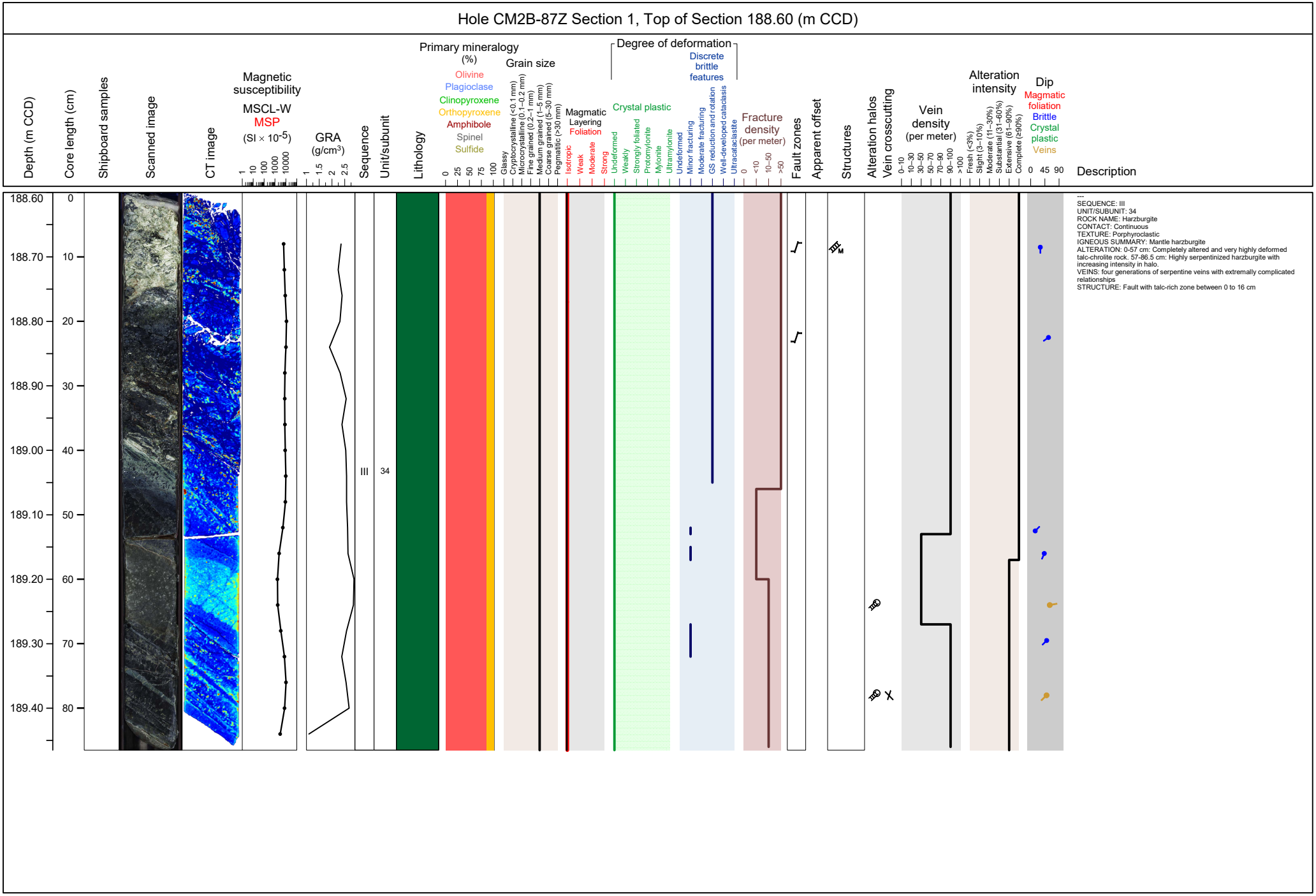
Hole CM2B-86Z Section 3, Top of Section 187.10 (m CCD)



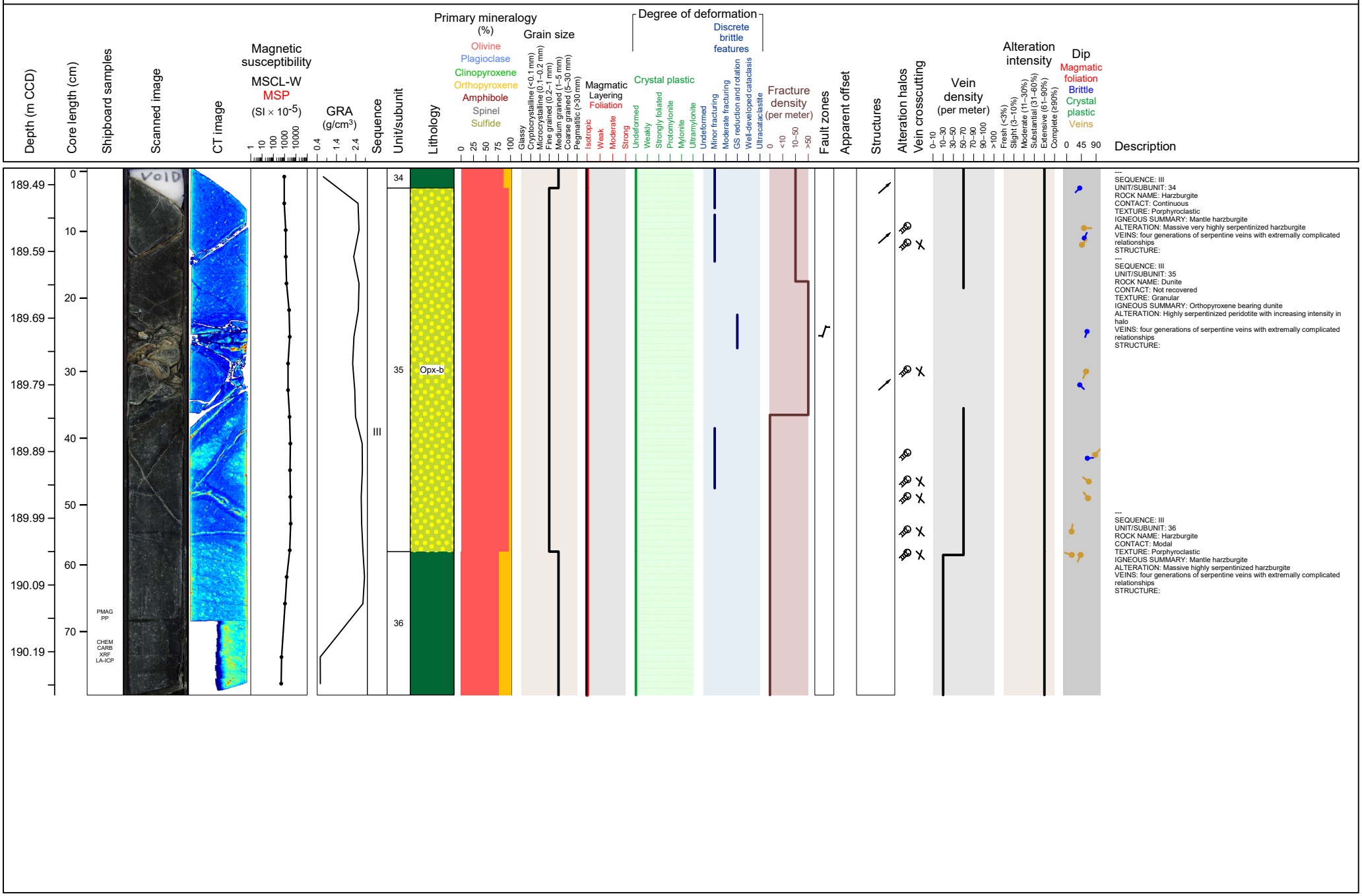
Hole CM2B-86Z Section 4, Top of Section 188.06 (m CCD)



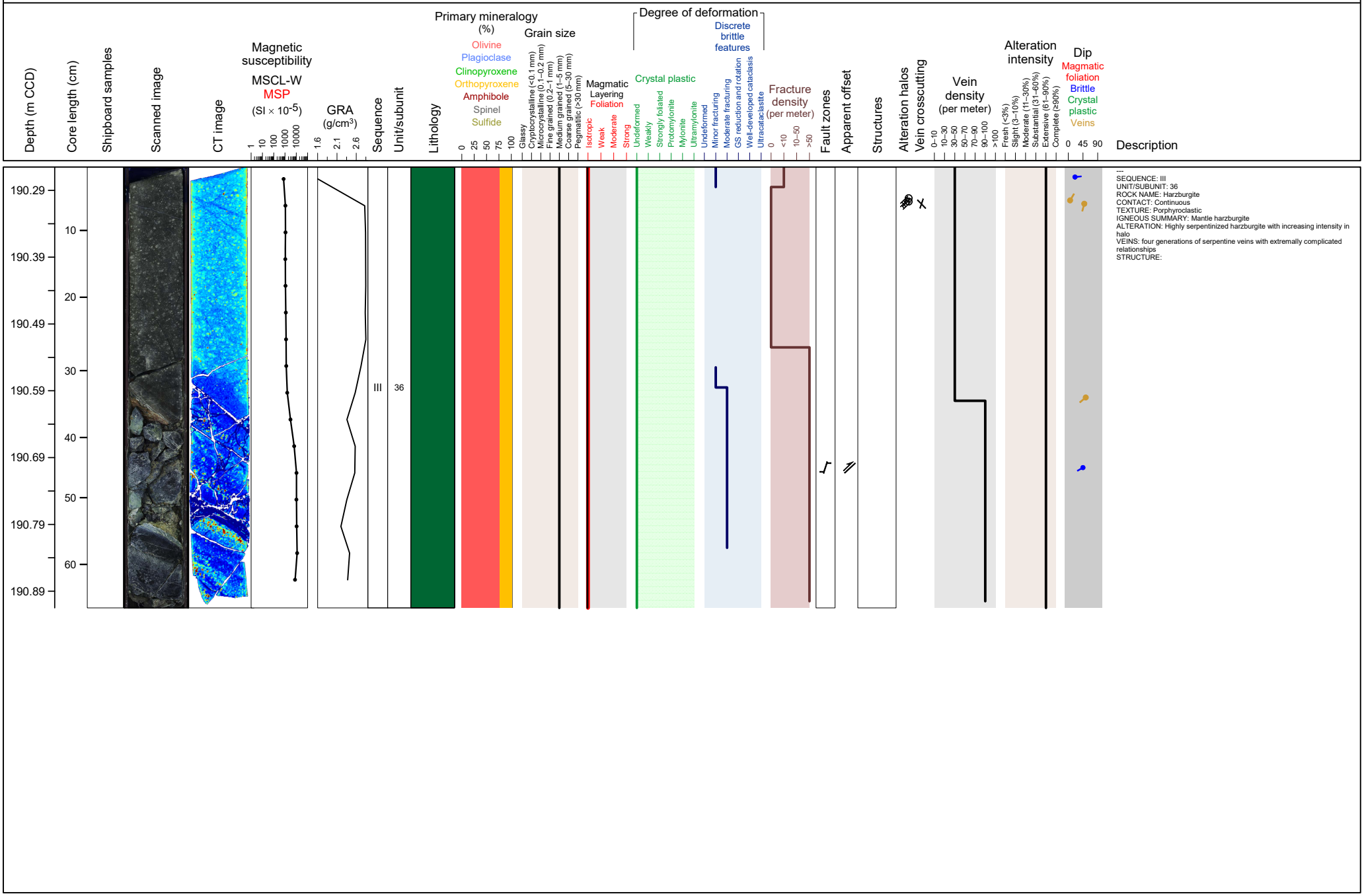
Hole CM2B-87Z Section 1, Top of Section 188.60 (m CCD)



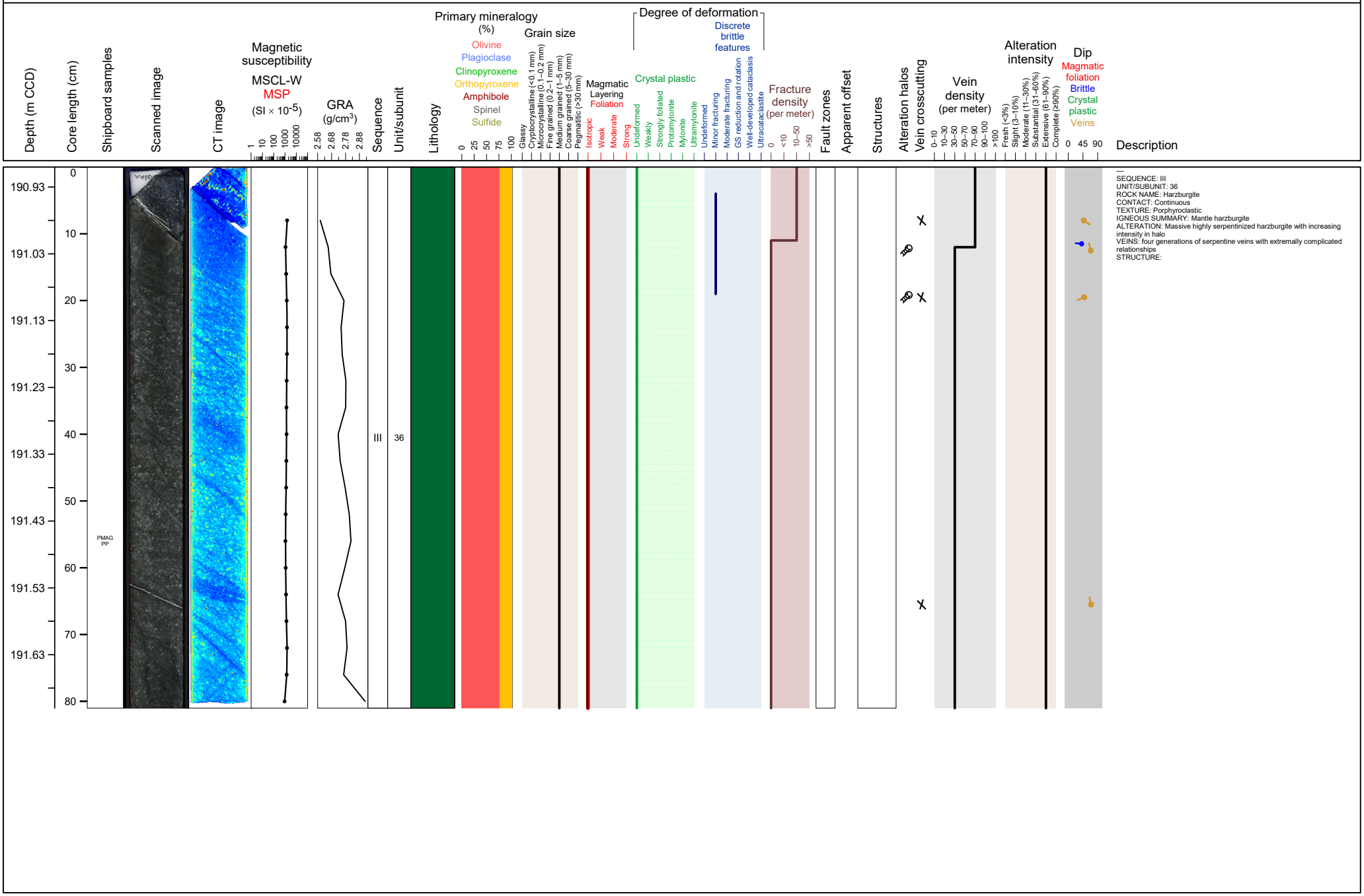
Hole CM2B-87Z Section 2, Top of Section 189.47 (m CCD)



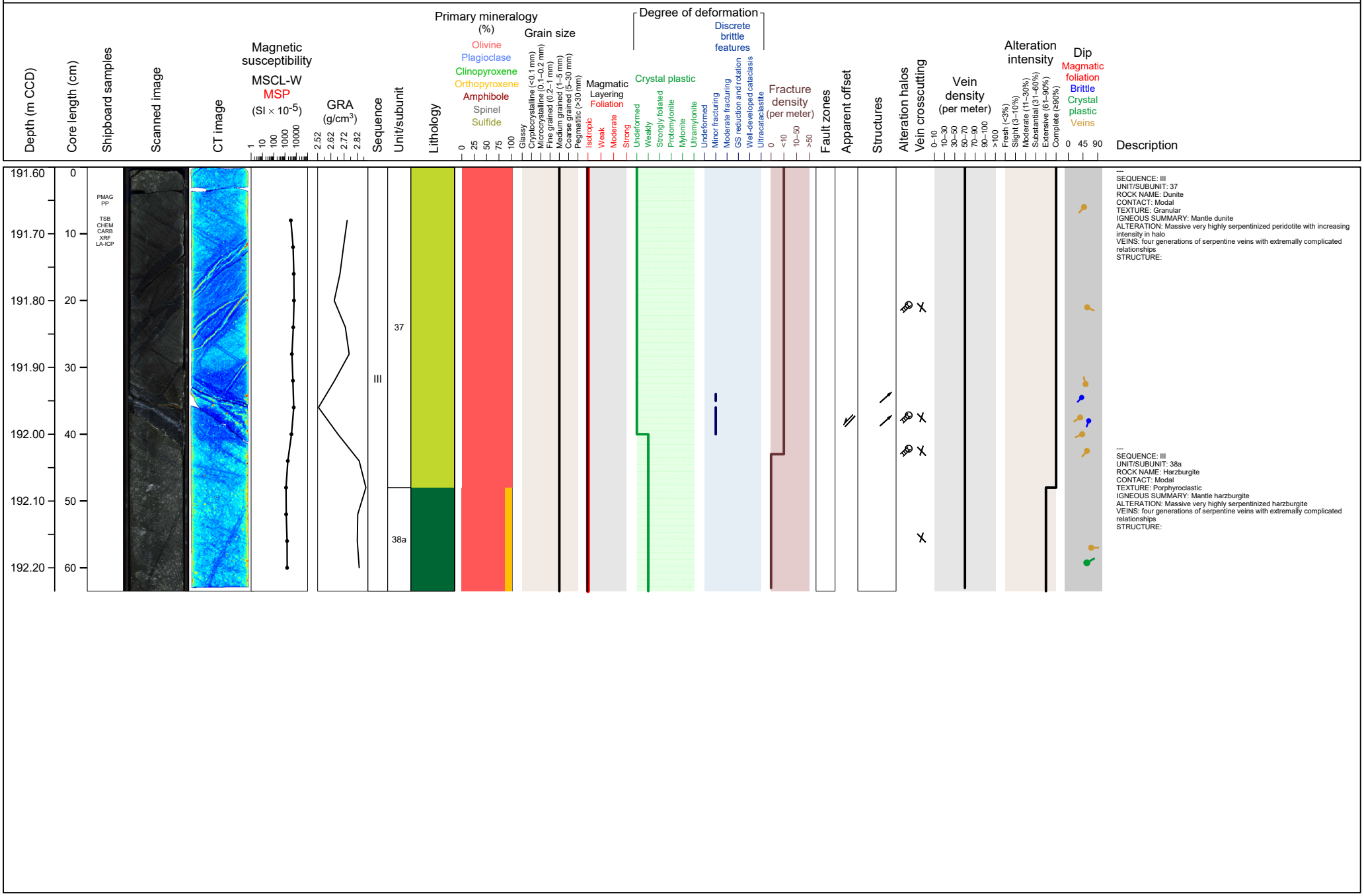
Hole CM2B-87Z Section 3, Top of Section 190.26 (m CCD)



Hole CM2B-88Z Section 1, Top of Section 190.90 (m CCD)



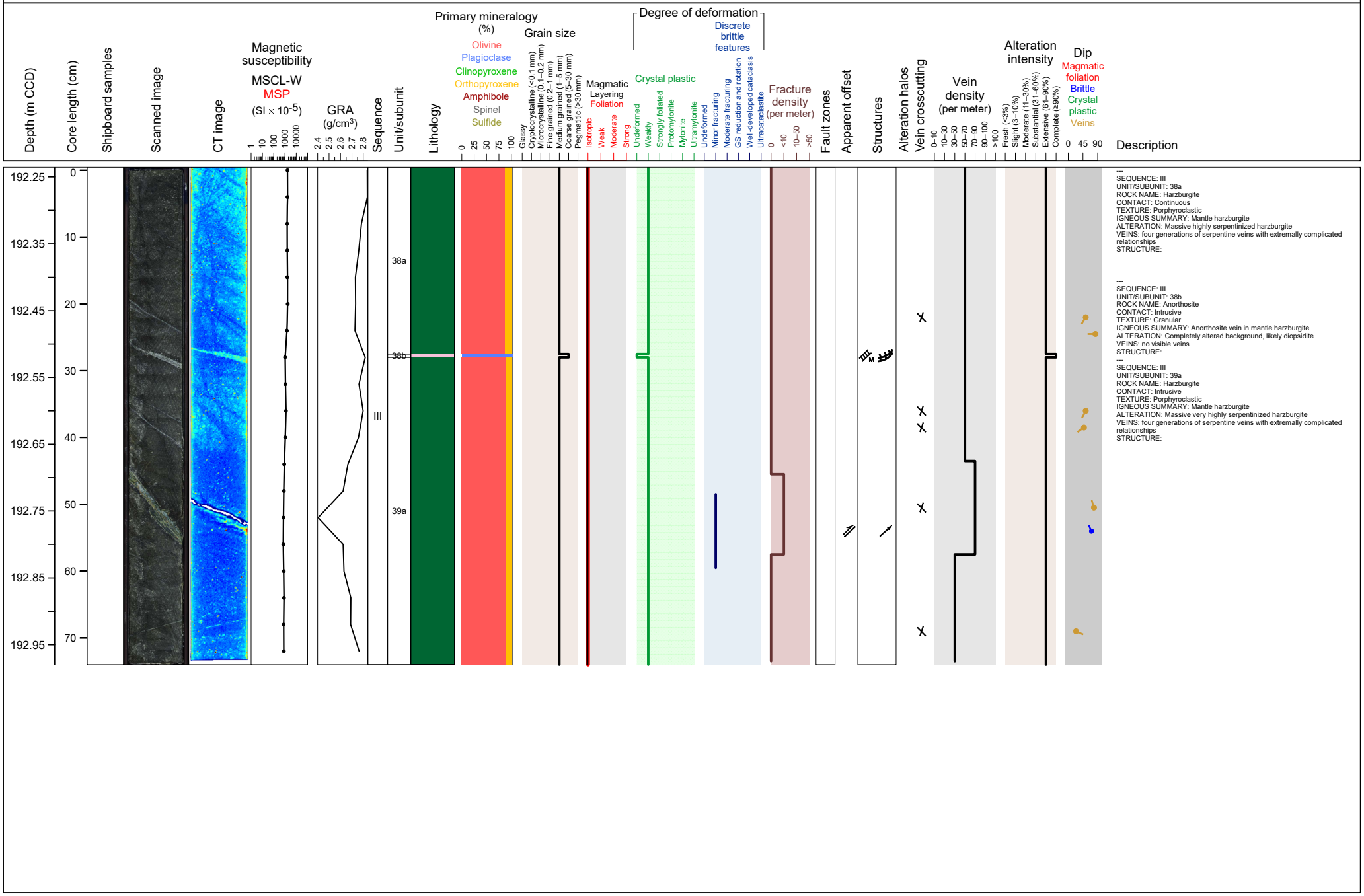
Hole CM2B-89Z Section 1, Top of Section 191.60 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 37
ROCK NAME: Dunite
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Mantle dunite
ALTERATION: Massive very highly serpentinized peridotite with increasing intensity in halo
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 38a
ROCK NAME: Harzburgite
CONTACT: Modal
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive very highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

Hole CM2B-89Z Section 2, Top of Section 192.24 (m CCD)

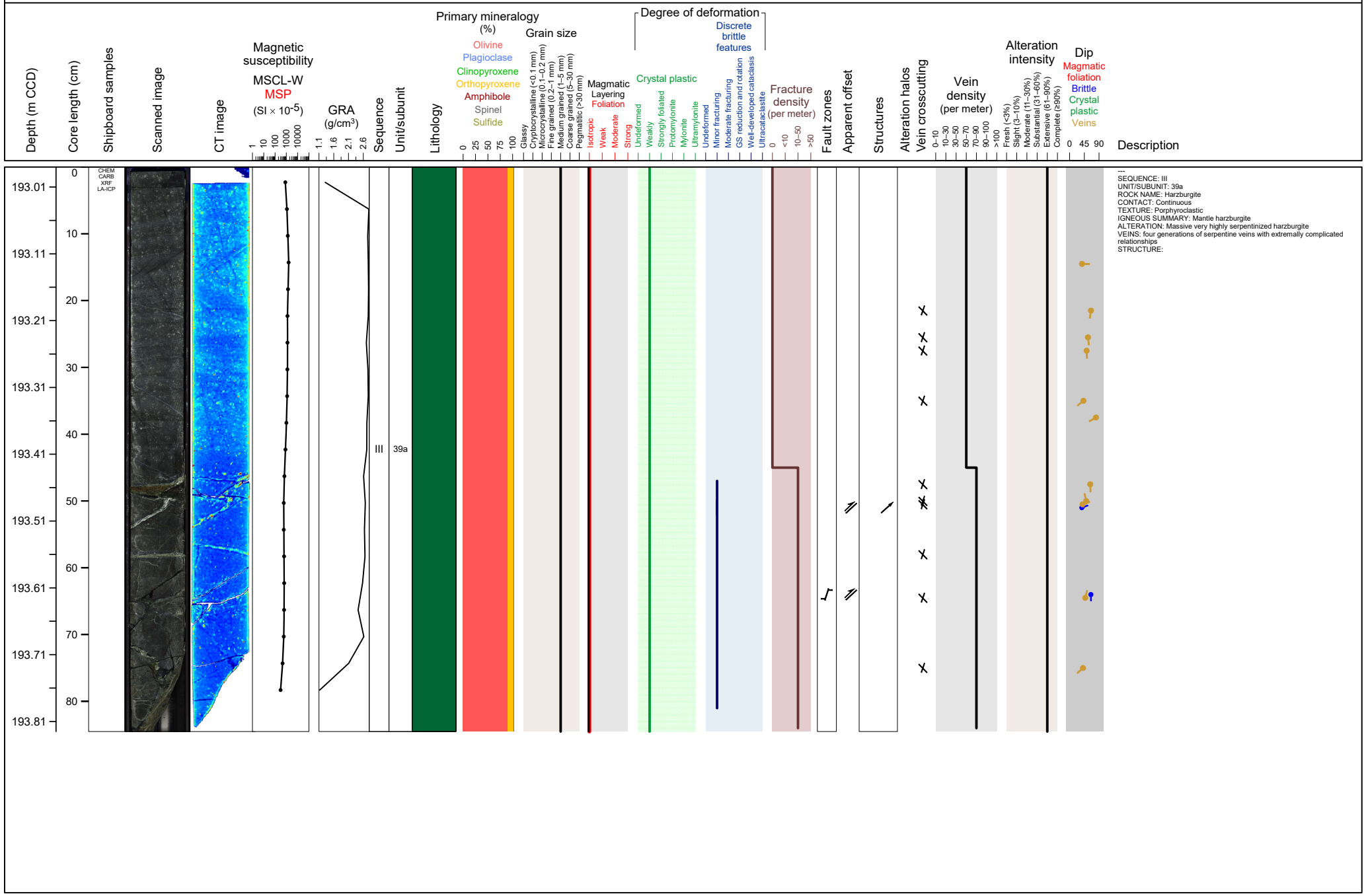


SEQUENCE: III
UNIT/SUBUNIT: 38a
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

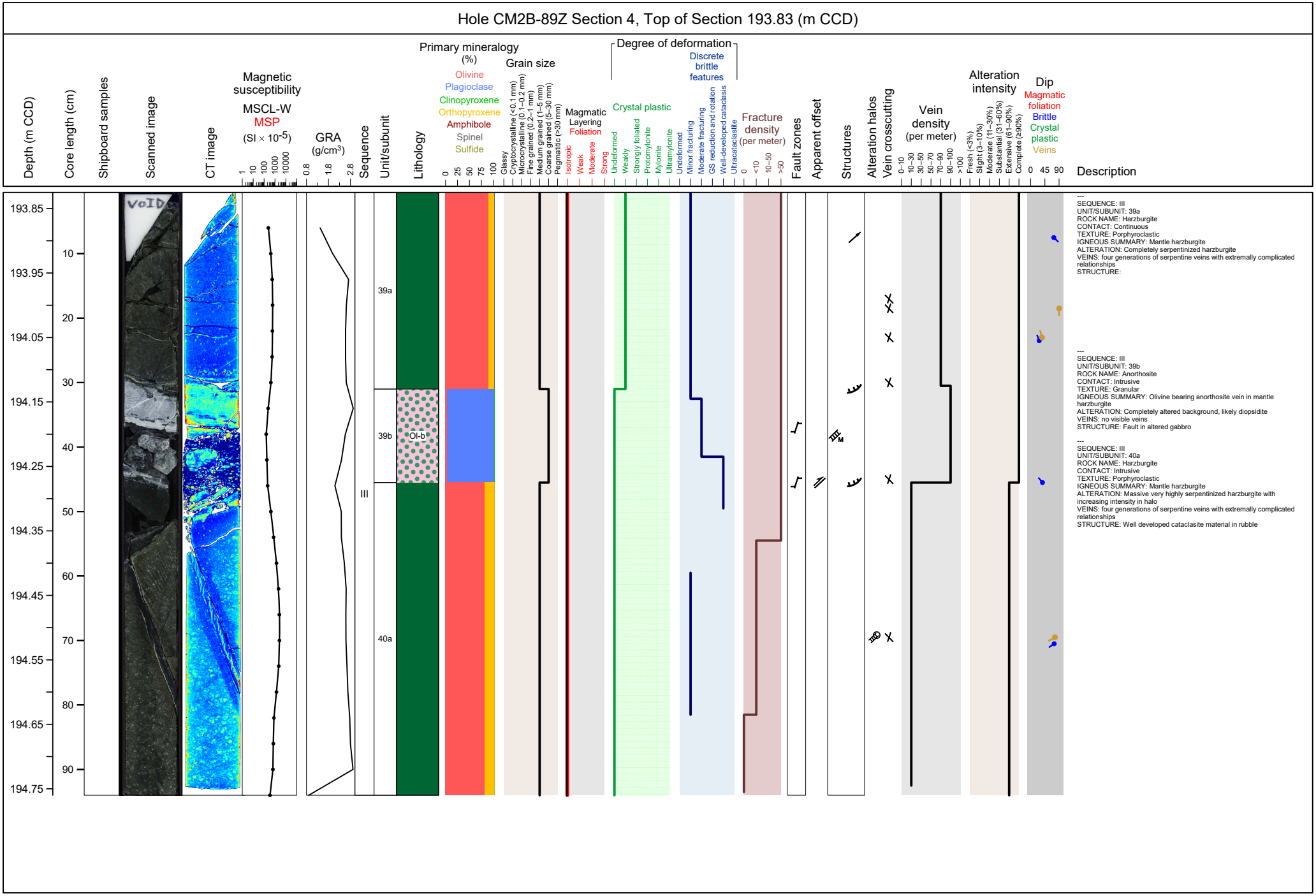
SEQUENCE: III
UNIT/SUBUNIT: 38b
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle harzburgite
ALTERATION: Completely alterad background, likely diopsidite
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 39a
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive very highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

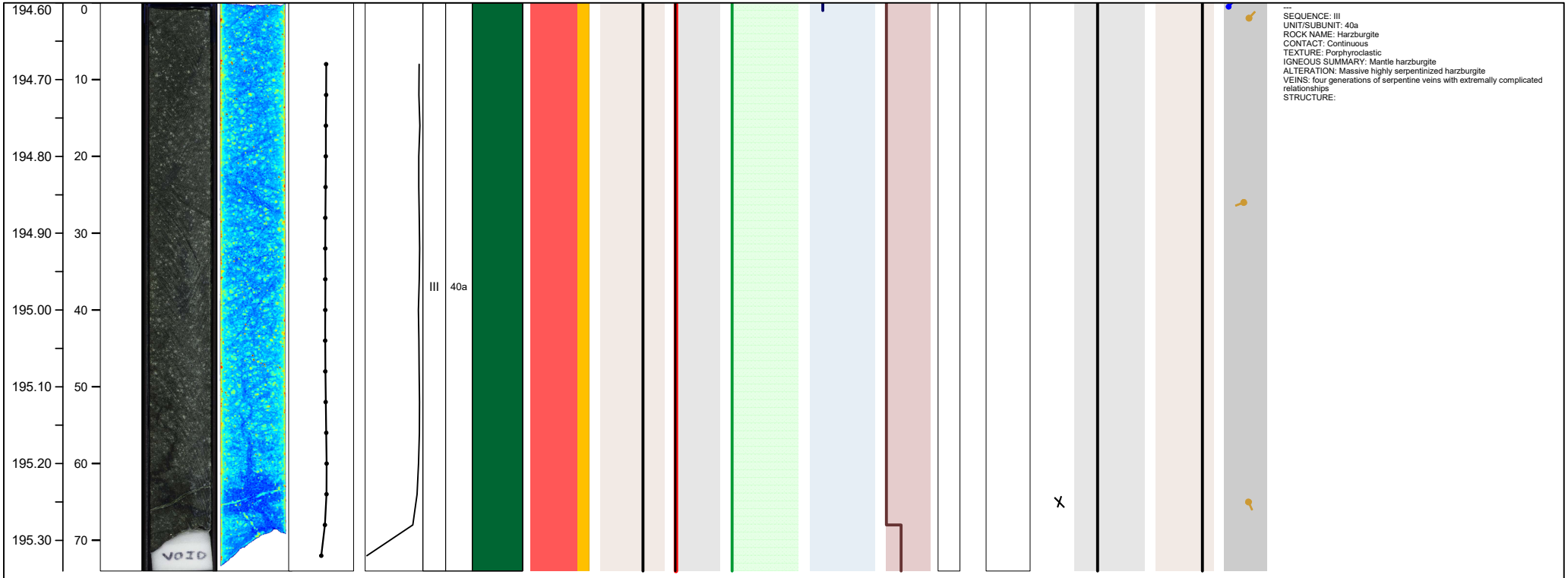
Hole CM2B-89Z Section 3, Top of Section 192.98 (m CCD)



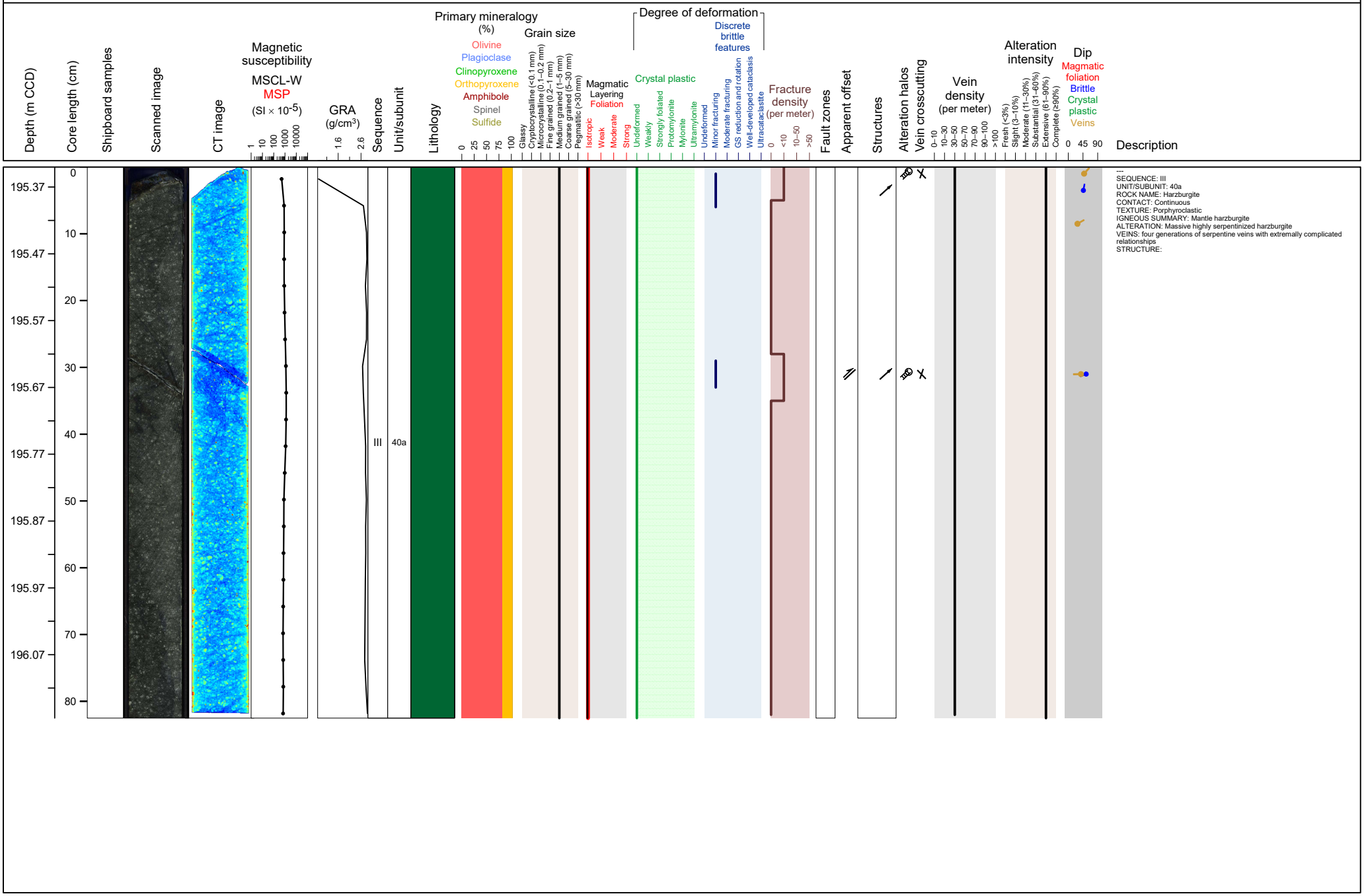
Hole CM2B-89Z Section 4, Top of Section 193.83 (m CCD)



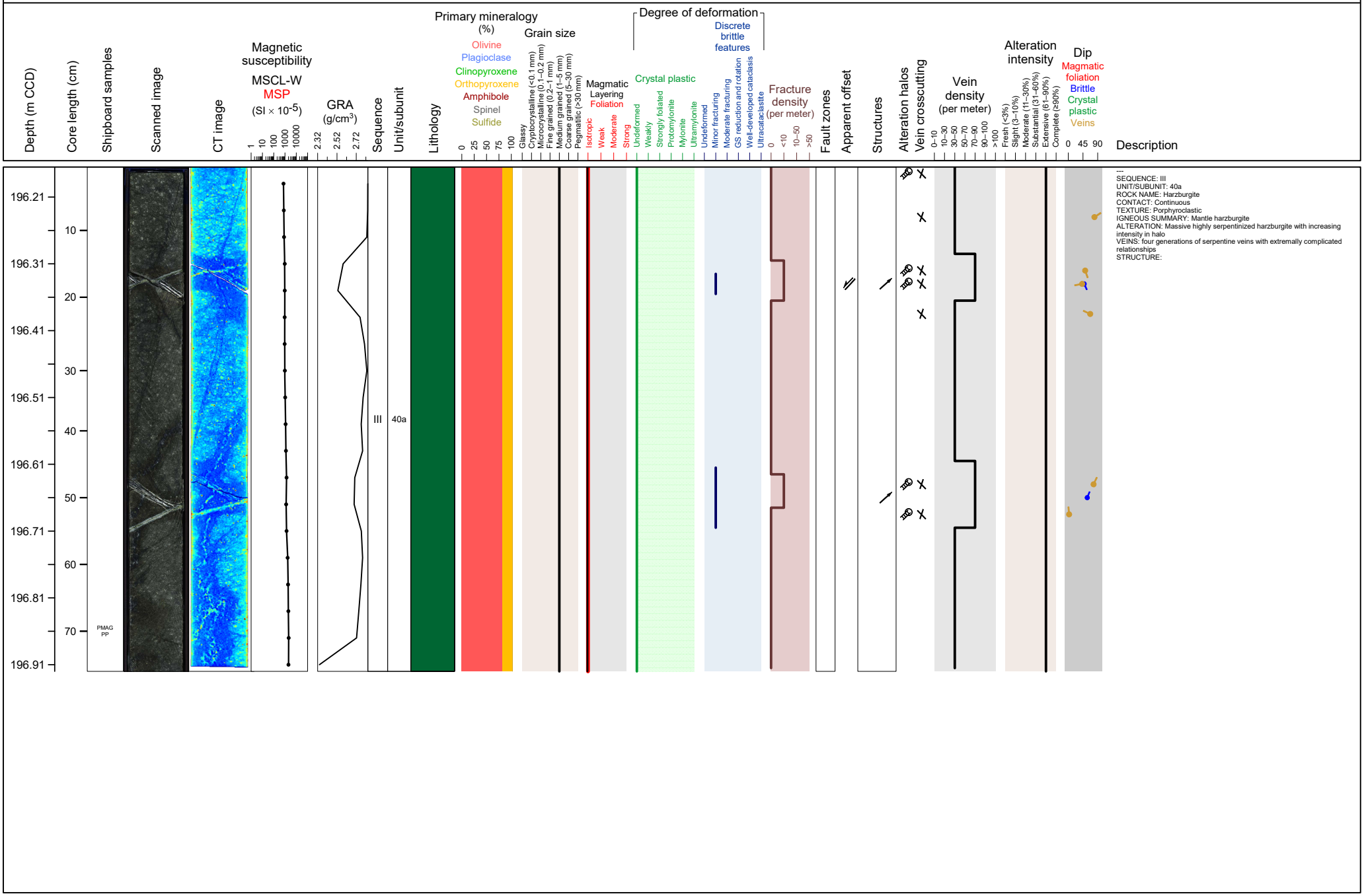
Hole CM2B-90Z Section 1, Top of Section 194.60 (m CCD)



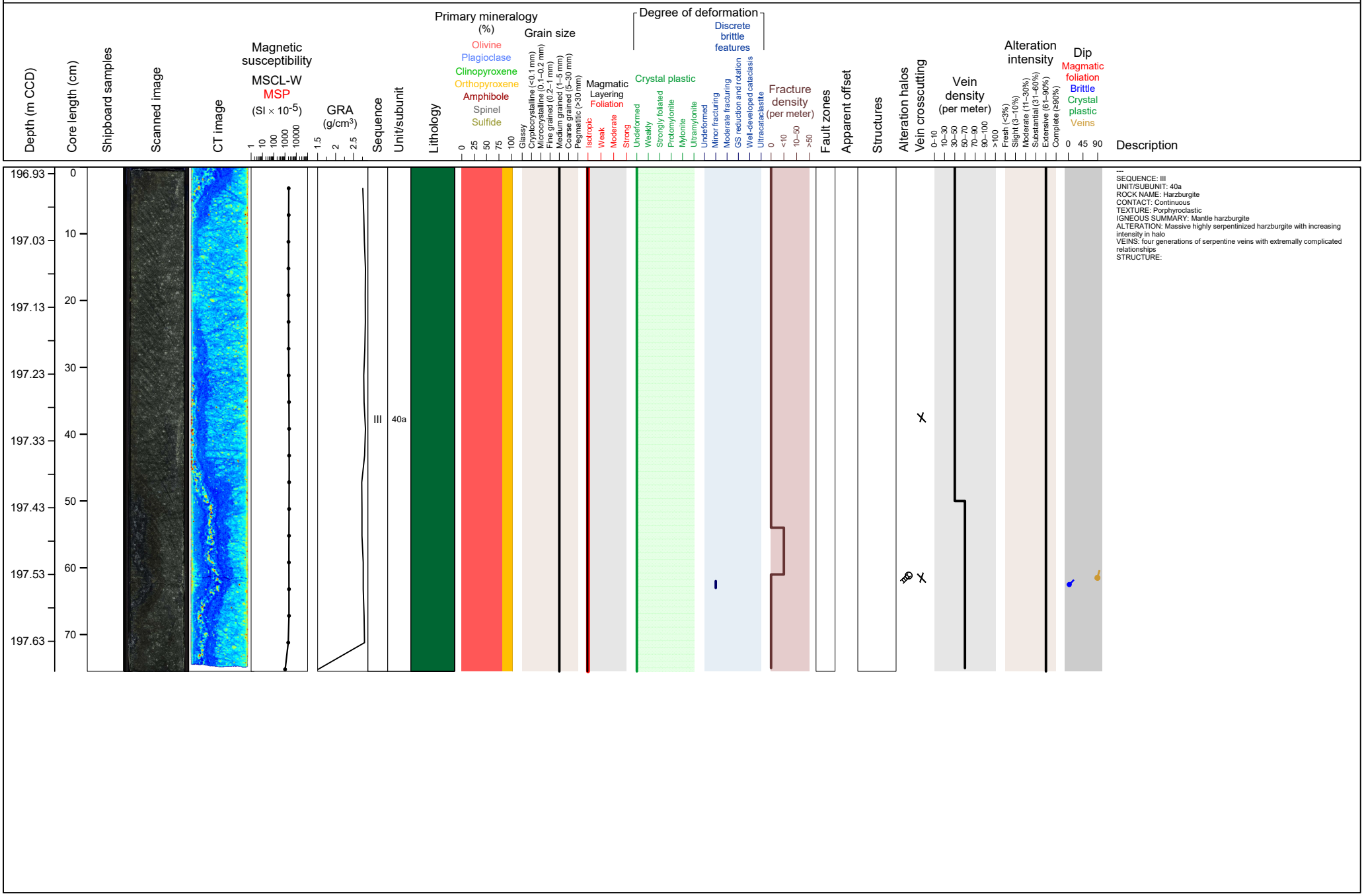
Hole CM2B-90Z Section 2, Top of Section 195.34 (m CCD)



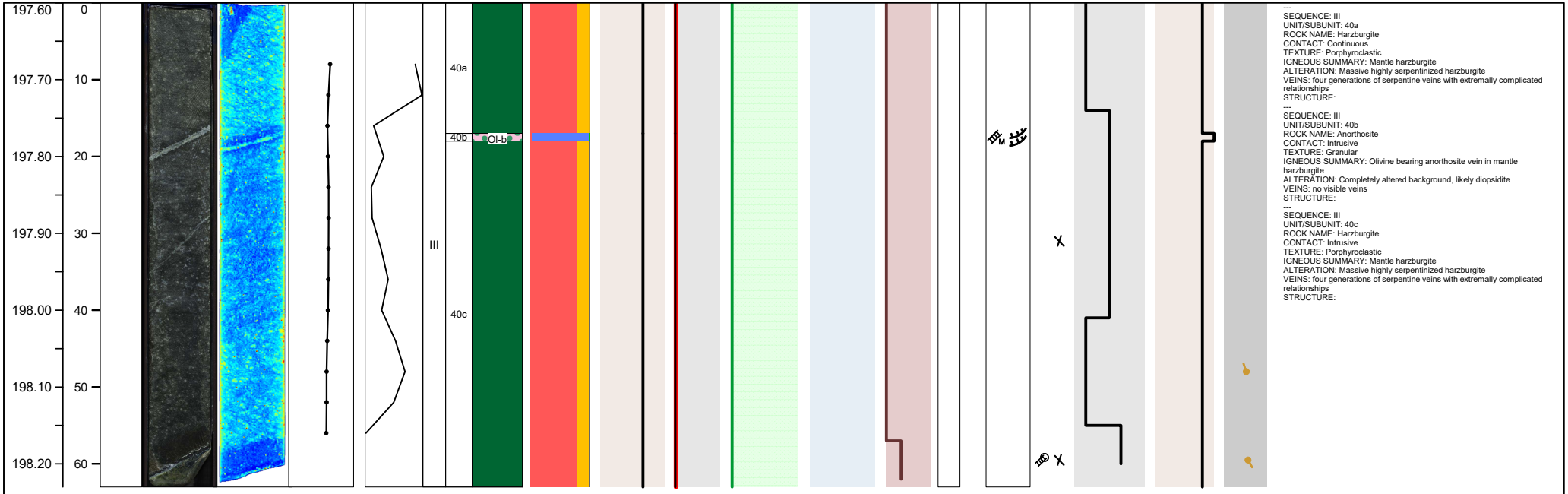
Hole CM2B-90Z Section 3, Top of Section 196.17 (m CCD)



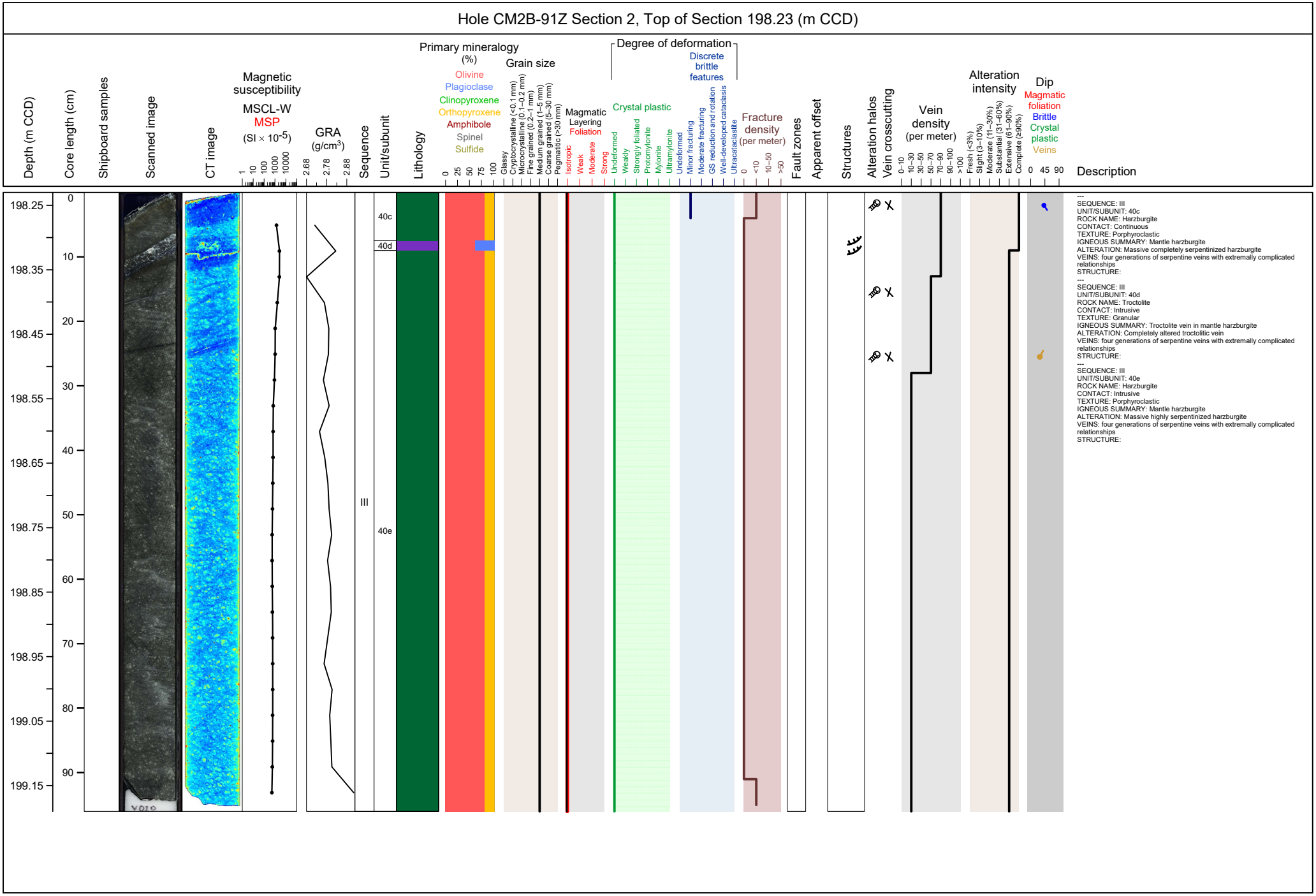
Hole CM2B-90Z Section 4, Top of Section 196.92 (m CCD)



Hole CM2B-91Z Section 1, Top of Section 197.60 (m CCD)



Hole CM2B-91Z Section 2, Top of Section 198.23 (m CCD)

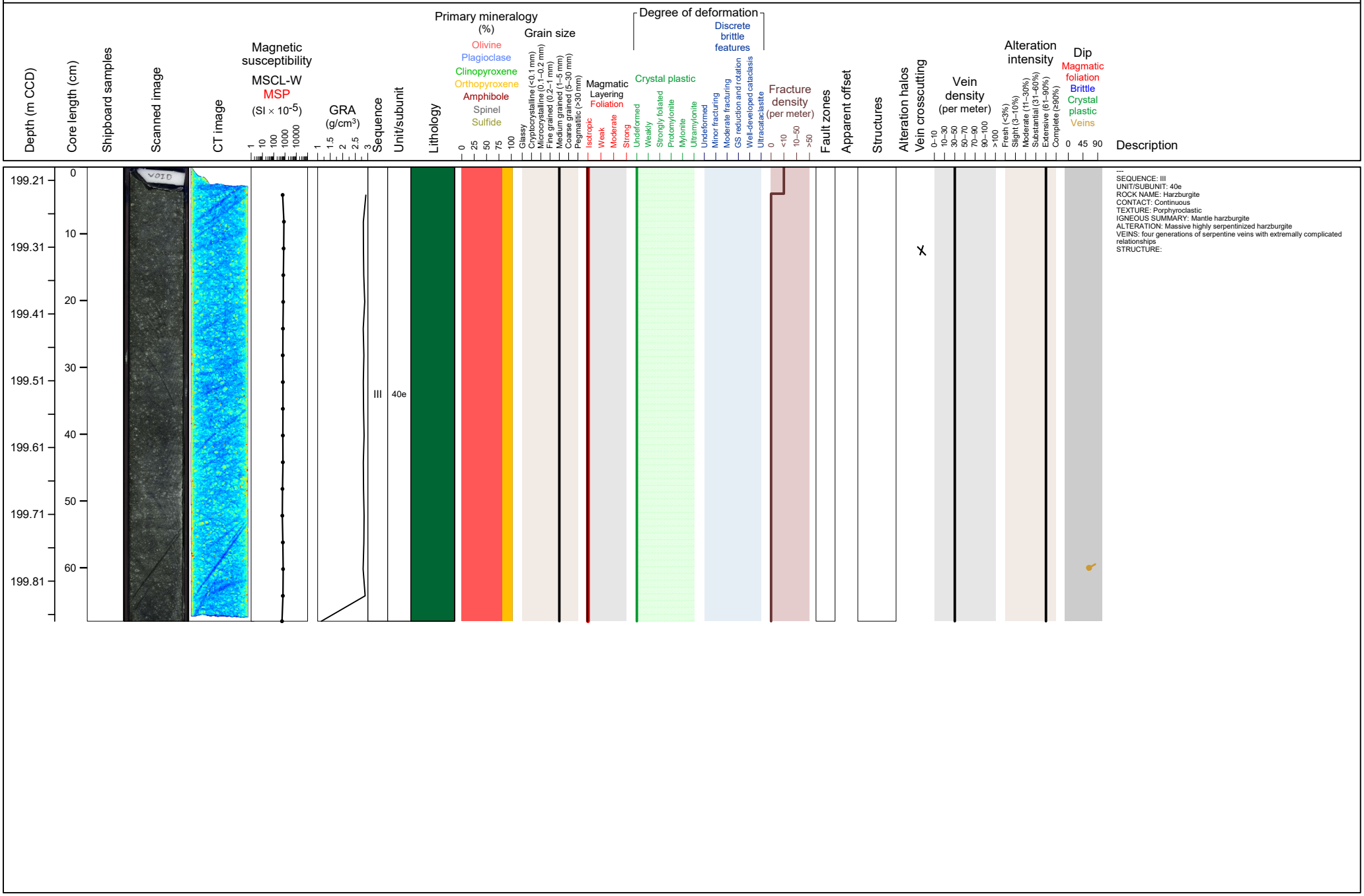


SEQUENCE: III
UNIT/SUBUNIT: 40c
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive completely serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

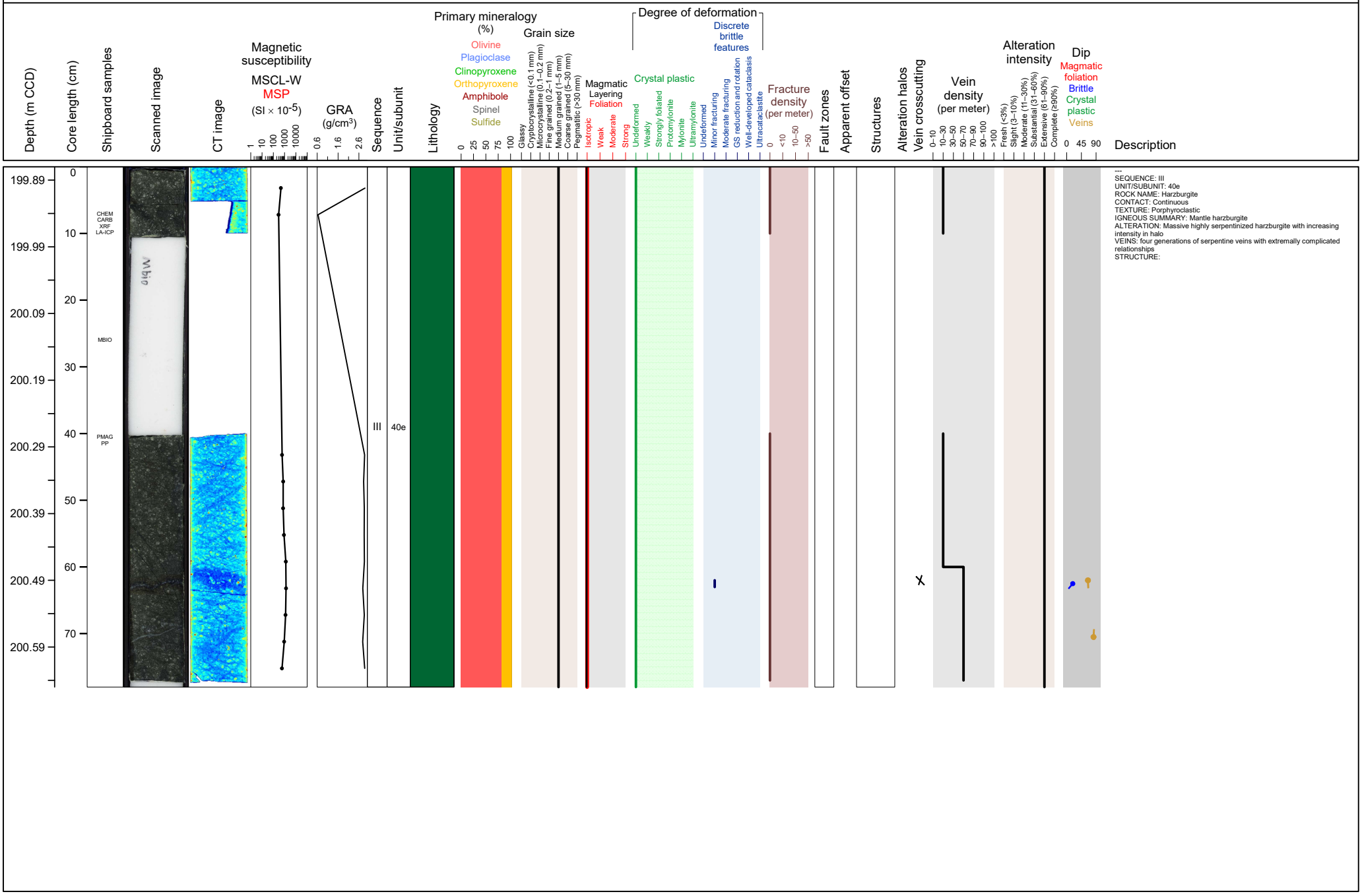
SEQUENCE: III
UNIT/SUBUNIT: 40d
ROCK NAME: Troctolite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Troctolite vein in mantle harzburgite
ALTERATION: Completely altered troctolitic vein
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 40e
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

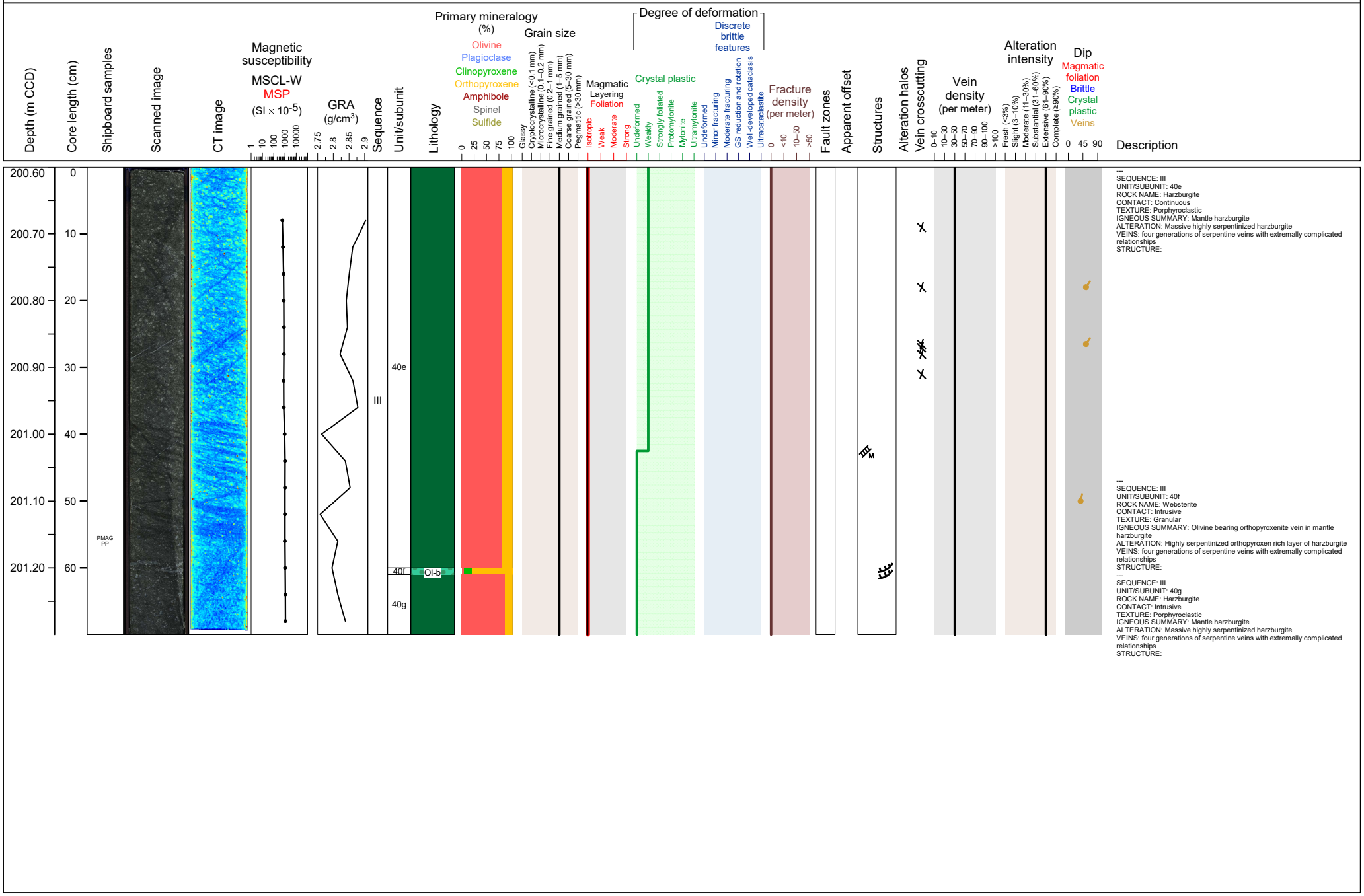
Hole CM2B-91Z Section 3, Top of Section 199.19 (m CCD)



Hole CM2B-91Z Section 4, Top of Section 199.87 (m CCD)



Hole CM2B-92Z Section 1, Top of Section 200.60 (m CCD)

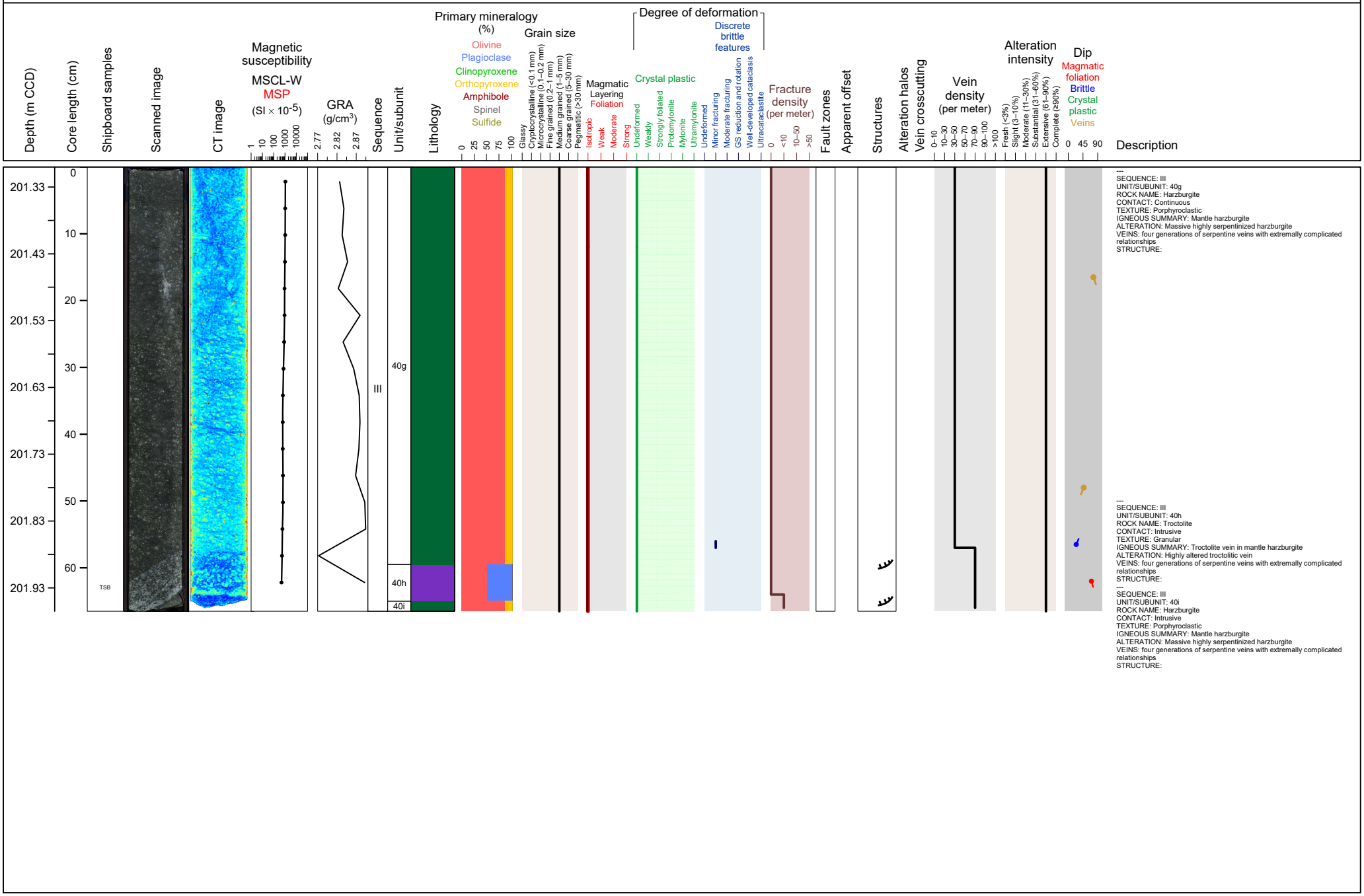


SEQUENCE: III
UNIT/SUBUNIT: 40e
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 40f
ROCK NAME: Websterite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Olivine bearing orthopyroxenite vein in mantle harzburgite
ALTERATION: Highly serpentinized orthopyroxen rich layer of harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 40g
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

Hole CM2B-92Z Section 2, Top of Section 201.30 (m CCD)

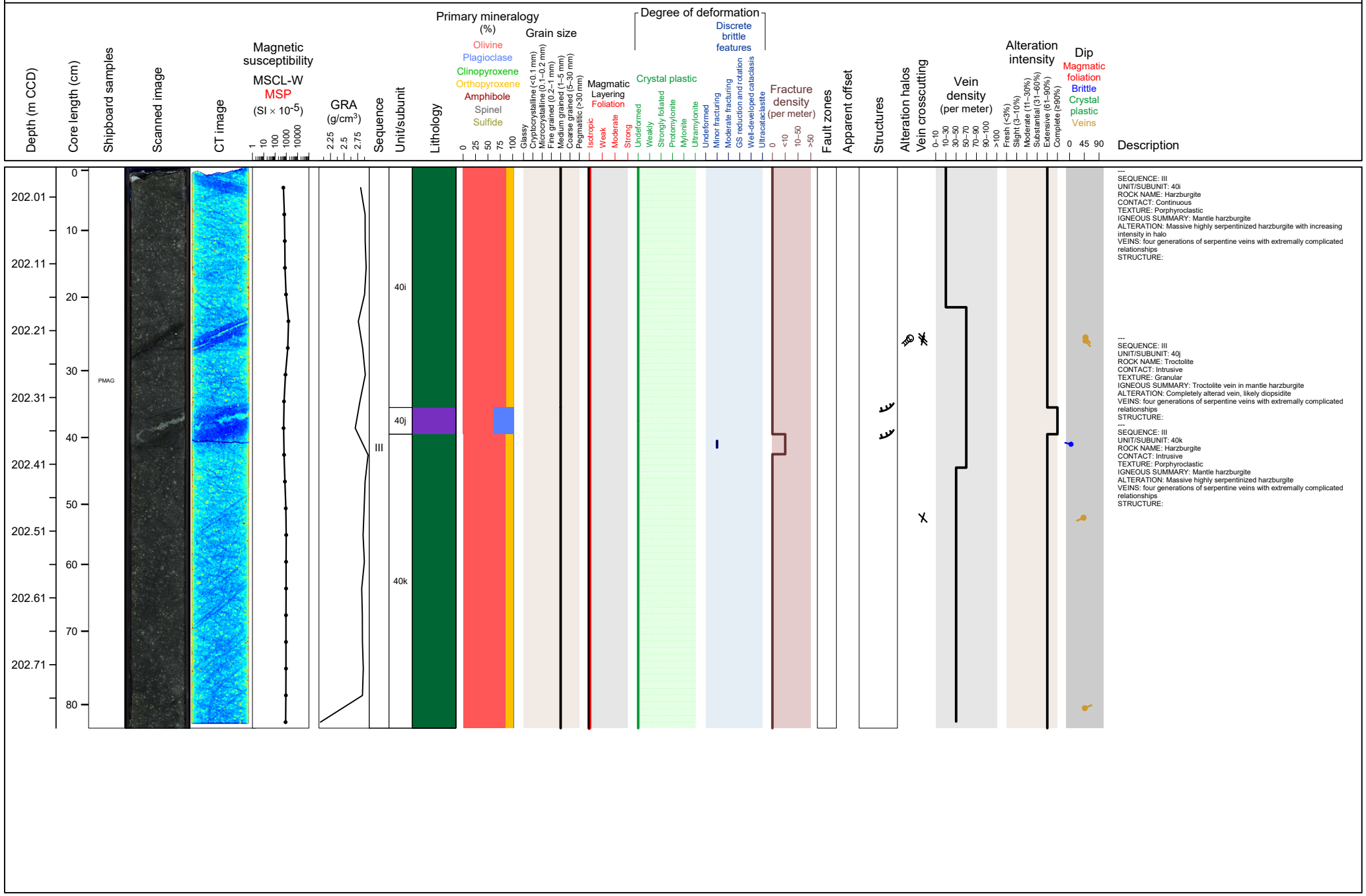


SEQUENCE: III
UNIT/SUBUNIT: 40g
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

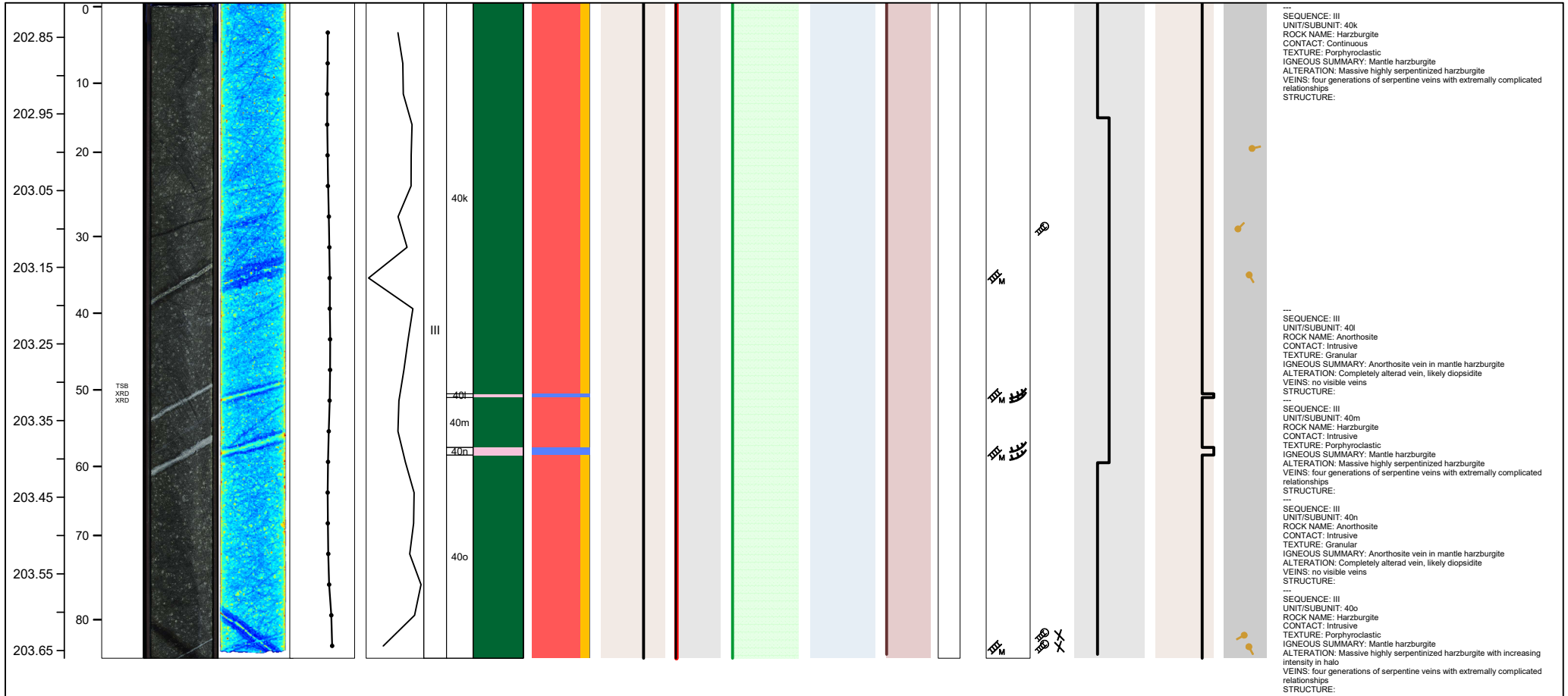
SEQUENCE: III
UNIT/SUBUNIT: 40h
ROCK NAME: Troctolite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Troctolite vein in mantle harzburgite
ALTERATION: Highly altered troctolitic vein
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 40i
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

Hole CM2B-92Z Section 3, Top of Section 201.97 (m CCD)



Hole CM2B-92Z Section 4, Top of Section 202.81 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 40k
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

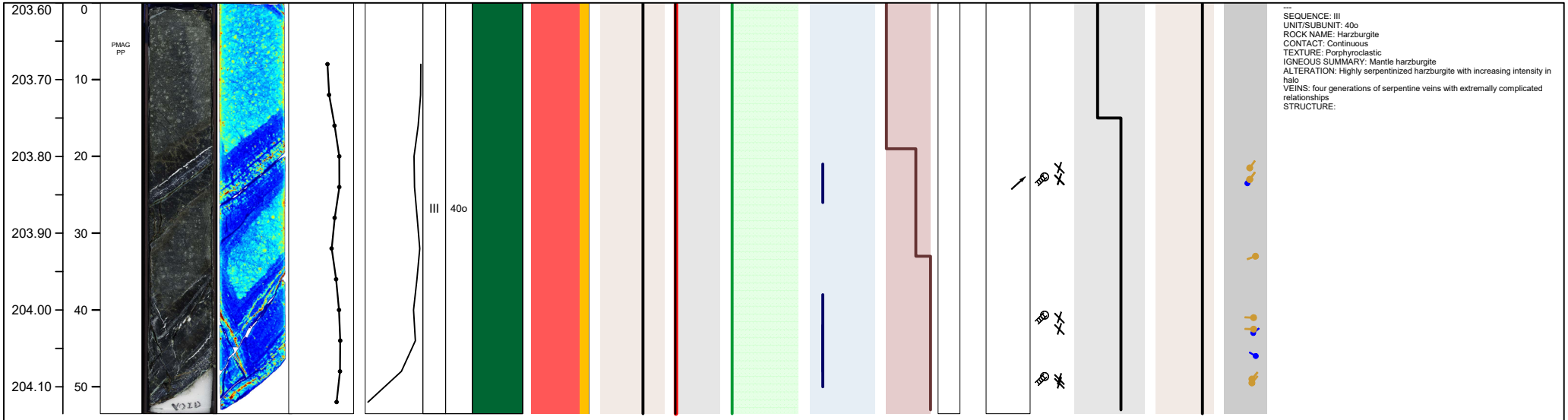
SEQUENCE: III
UNIT/SUBUNIT: 40l
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle harzburgite
ALTERATION: Completely alterad vein, likely diopsidite
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 40m
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

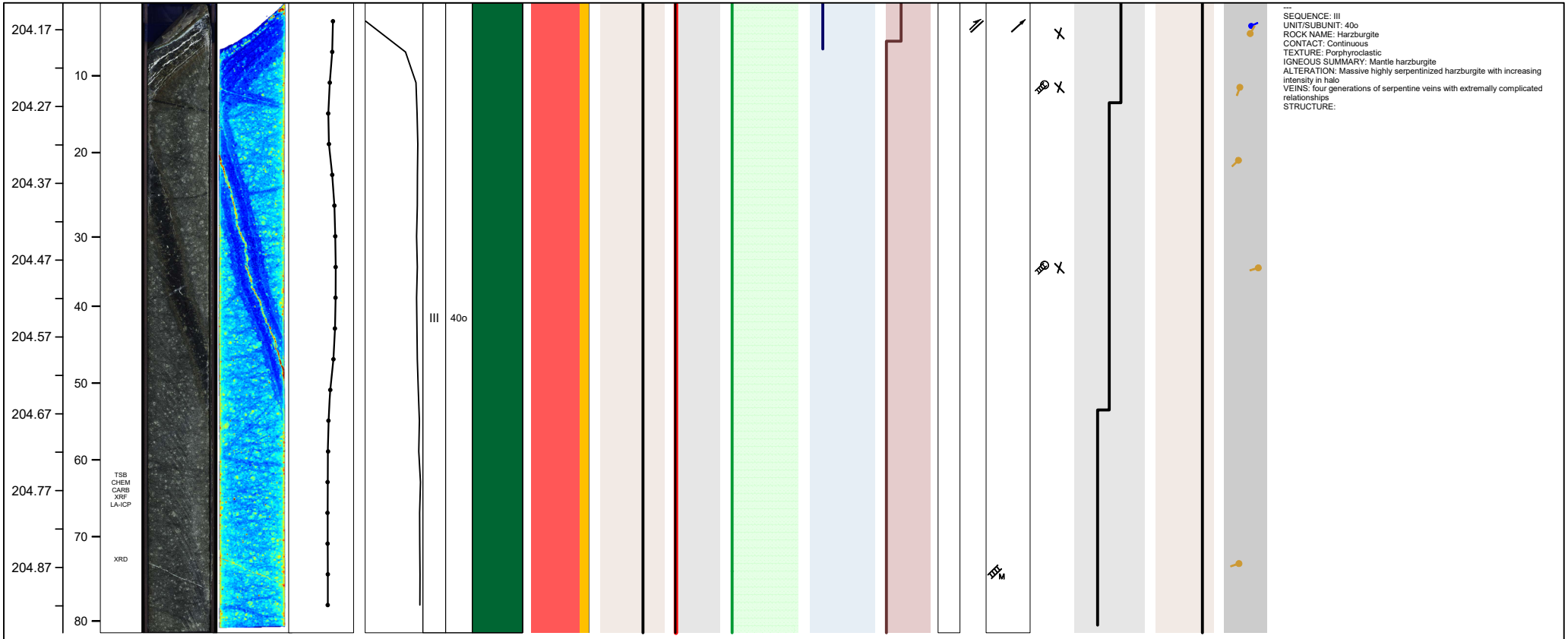
SEQUENCE: III
UNIT/SUBUNIT: 40n
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle harzburgite
ALTERATION: Completely alterad vein, likely diopsidite
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 40o
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

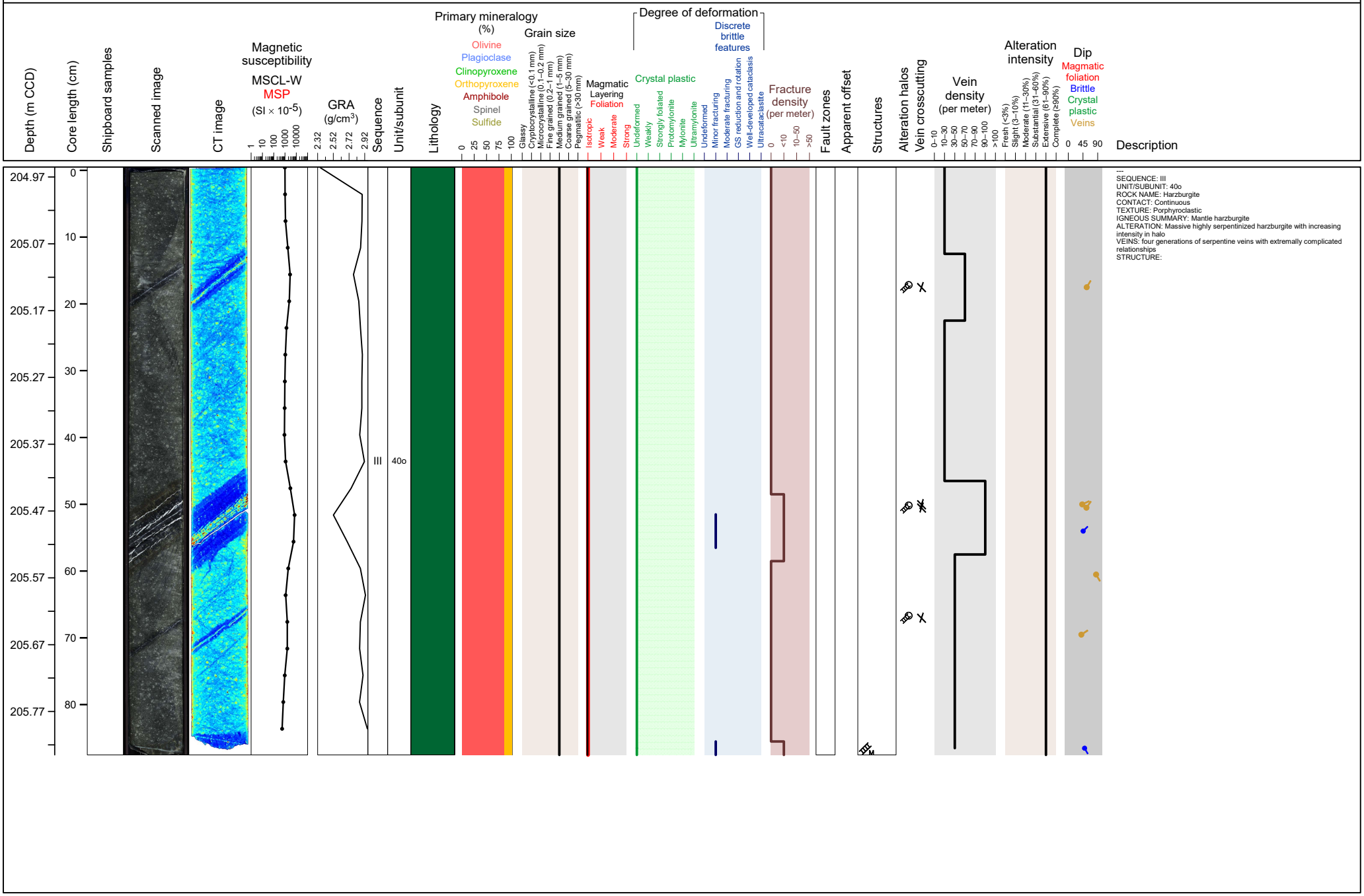
Hole CM2B-93Z Section 1, Top of Section 203.60 (m CCD)



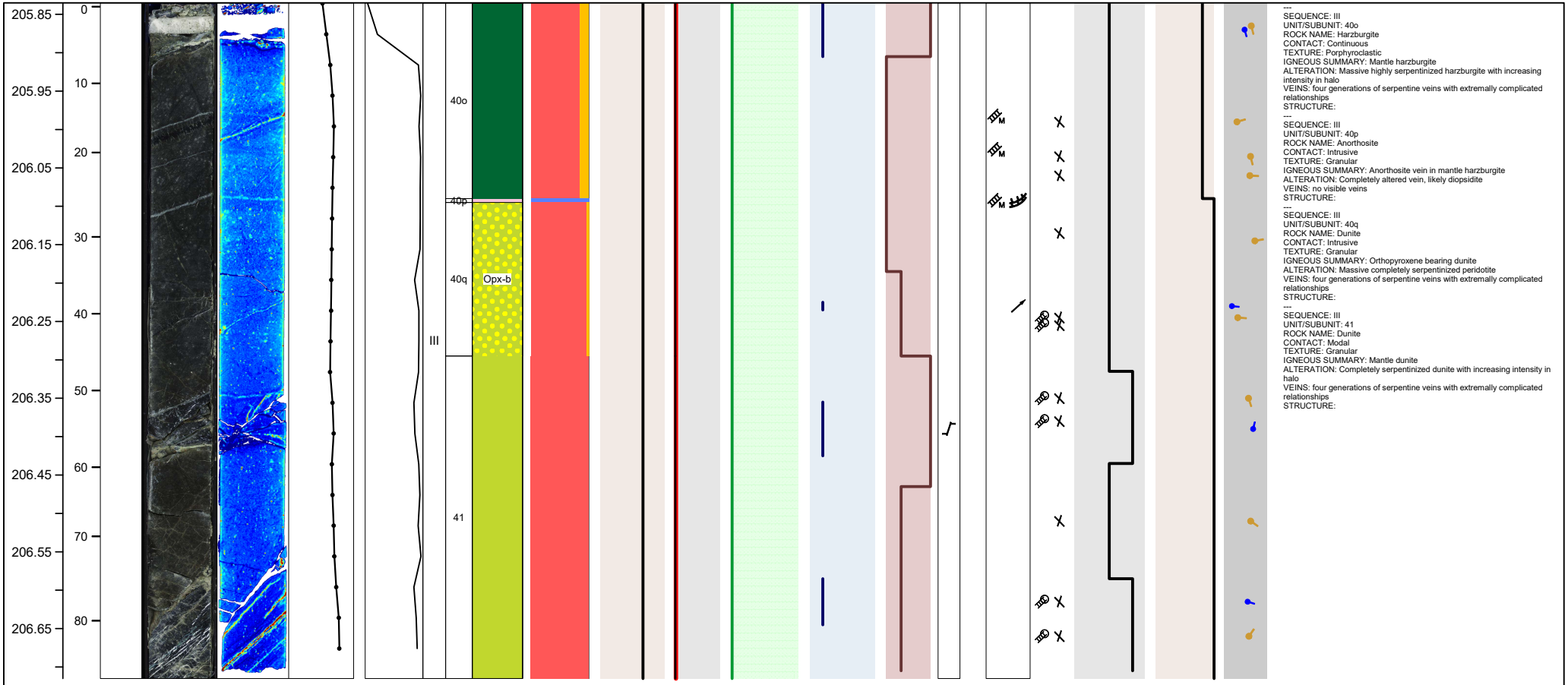
Hole CM2B-93Z Section 2, Top of Section 204.14 (m CCD)



Hole CM2B-93Z Section 3, Top of Section 204.96 (m CCD)



Hole CM2B-93Z Section 4, Top of Section 205.84 (m CCD)



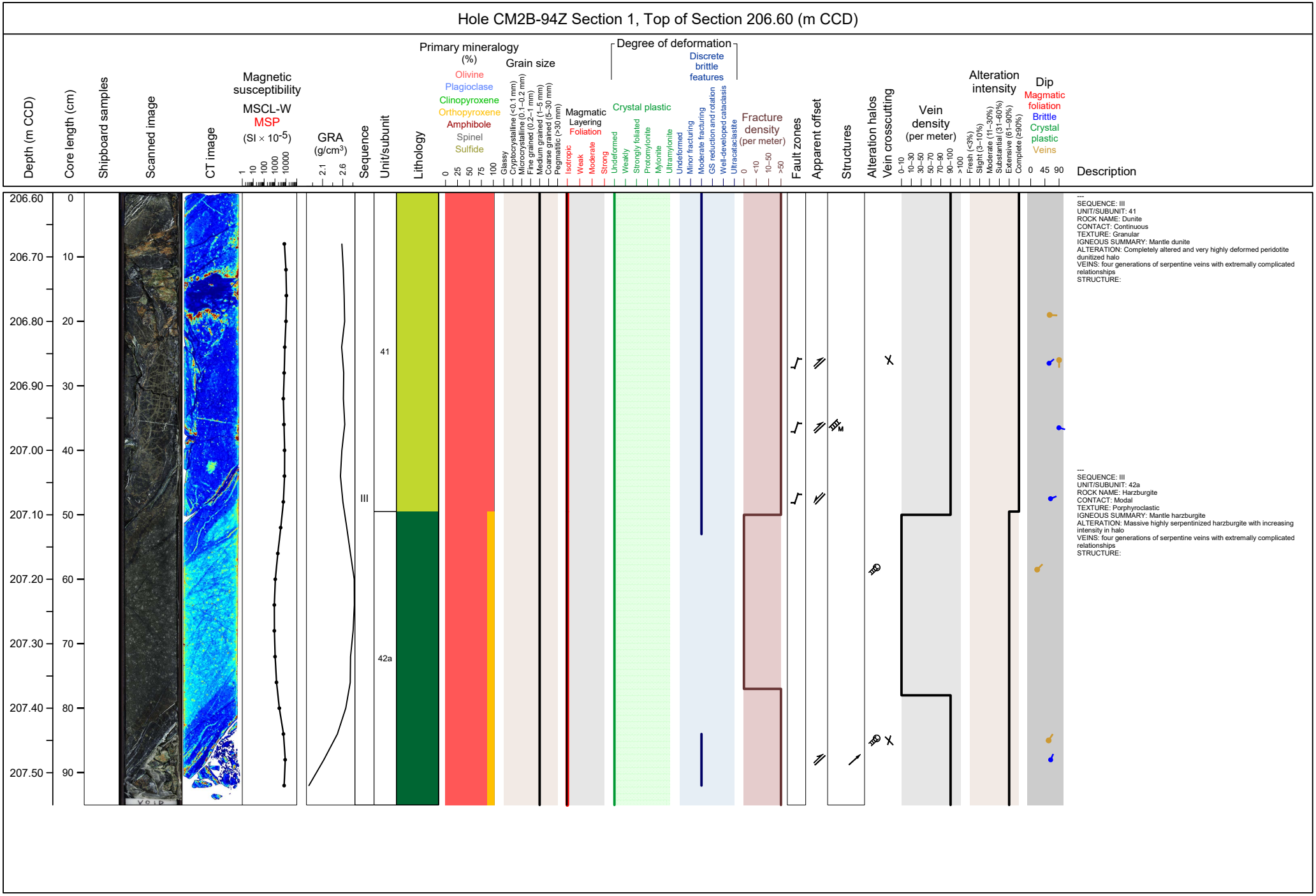
SEQUENCE: III
UNIT/SUBUNIT: 40o
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 40p
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle harzburgite
ALTERATION: Completely altered vein, likely diopsidite
VEINS: no visible veins
STRUCTURE:

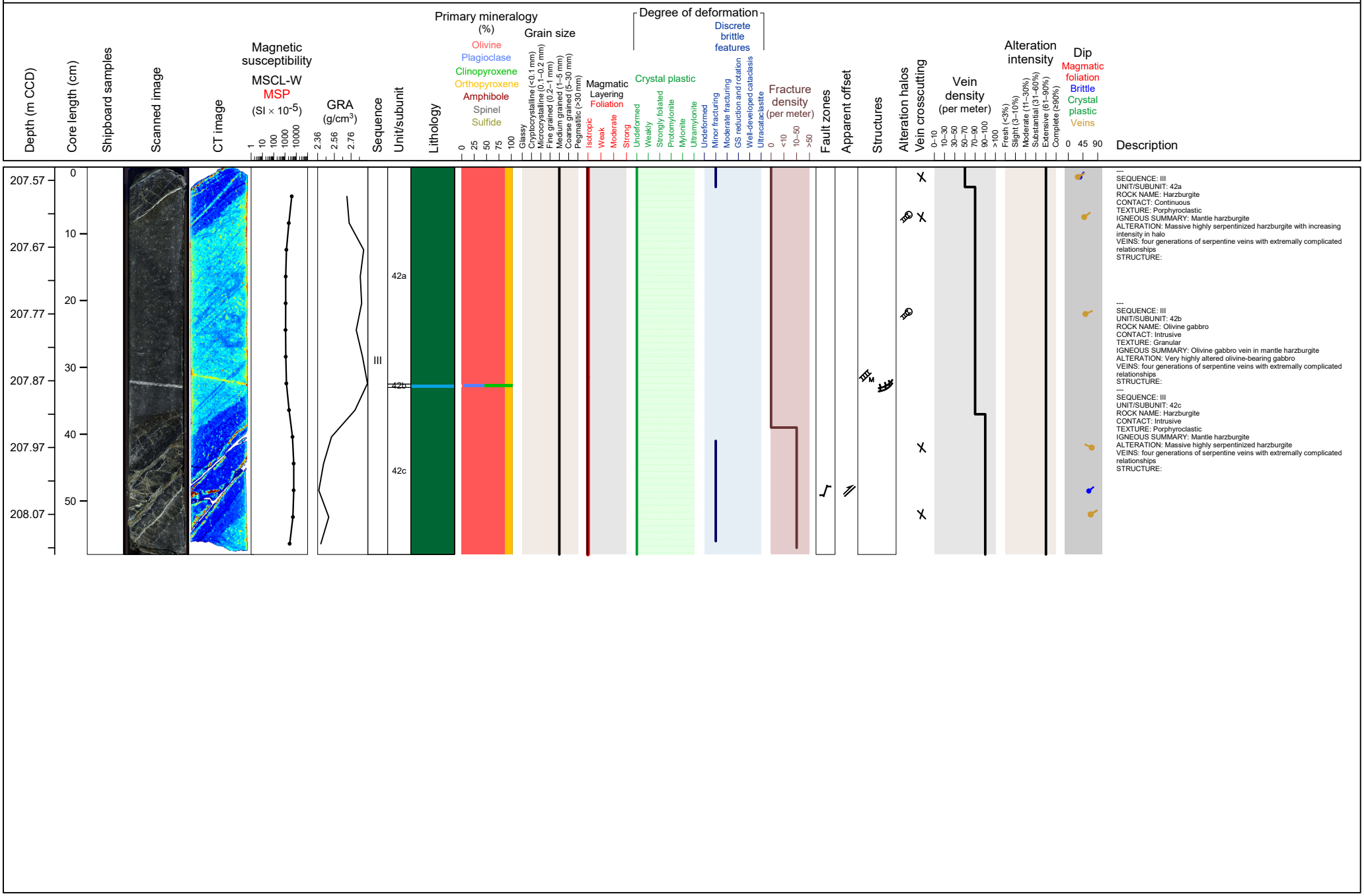
SEQUENCE: III
UNIT/SUBUNIT: 40q
ROCK NAME: Dunite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Orthopyroxene bearing dunite
ALTERATION: Massive completely serpentinized peridotite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 41
ROCK NAME: Dunite
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Mantle dunite
ALTERATION: Completely serpentinized dunite with increasing intensity in halo
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

Hole CM2B-94Z Section 1, Top of Section 206.60 (m CCD)



Hole CM2B-94Z Section 2, Top of Section 207.55 (m CCD)

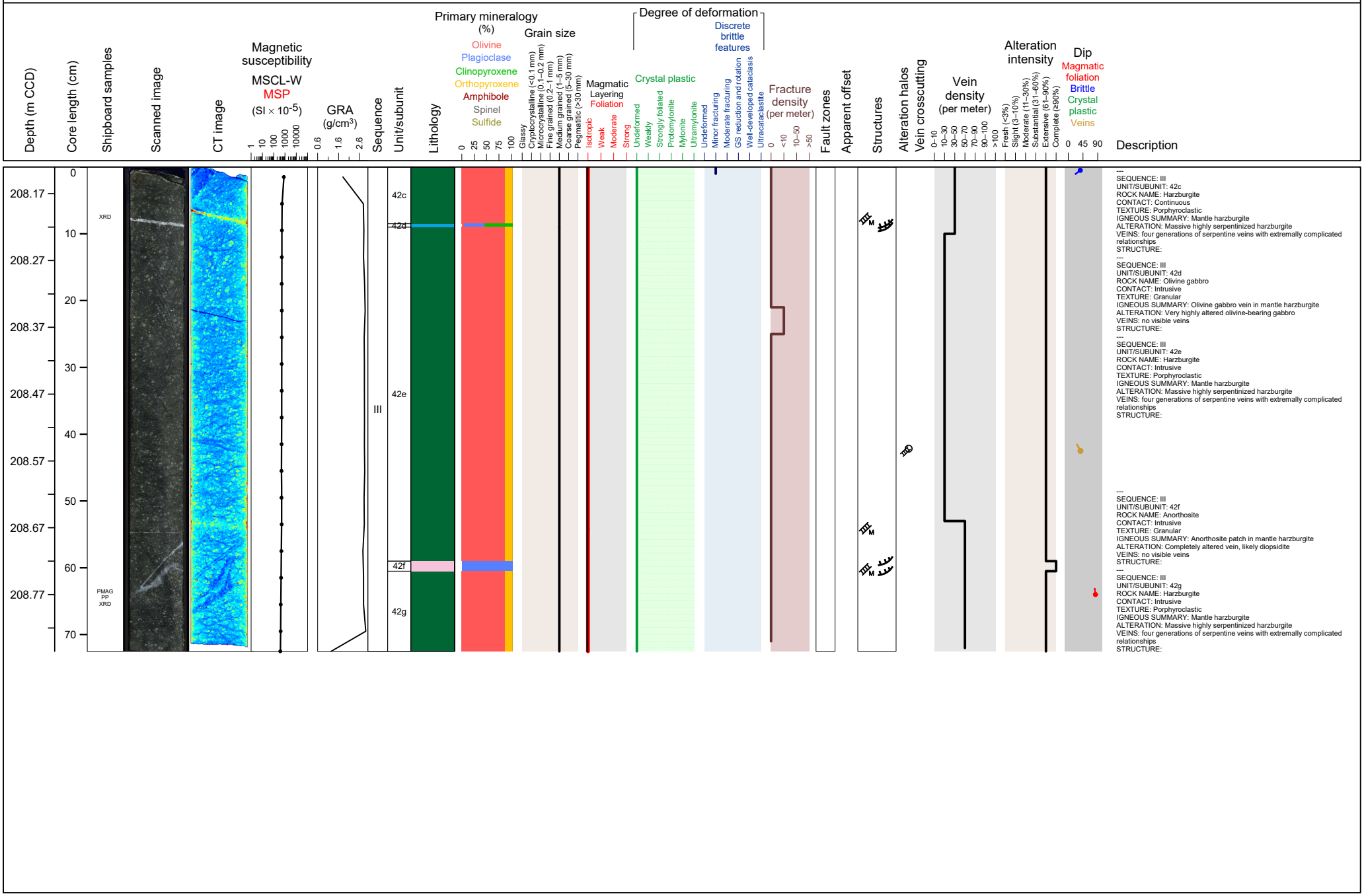


SEQUENCE: III
UNIT/SUBUNIT: 42a
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 42b
ROCK NAME: Olivine gabbro
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Olivine gabbro vein in mantle harzburgite
ALTERATION: Very highly altered olivine-bearing gabbro
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 42c
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

Hole CM2B-94Z Section 3, Top of Section 208.13 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 42c
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

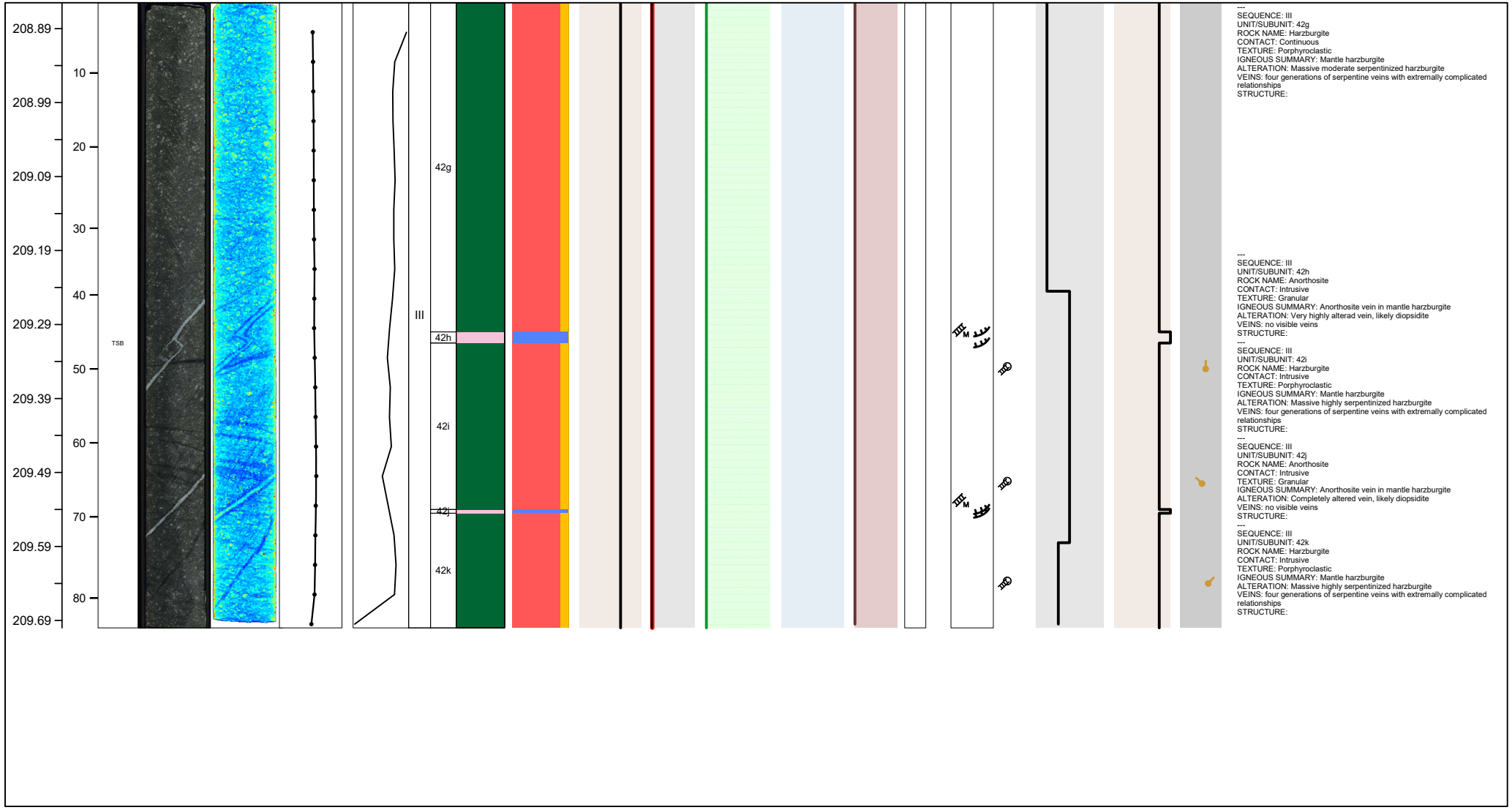
SEQUENCE: III
UNIT/SUBUNIT: 42d
ROCK NAME: Olivine gabbro
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Olivine gabbro vein in mantle harzburgite
ALTERATION: Very highly altered olivine-bearing gabbro
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 42e
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

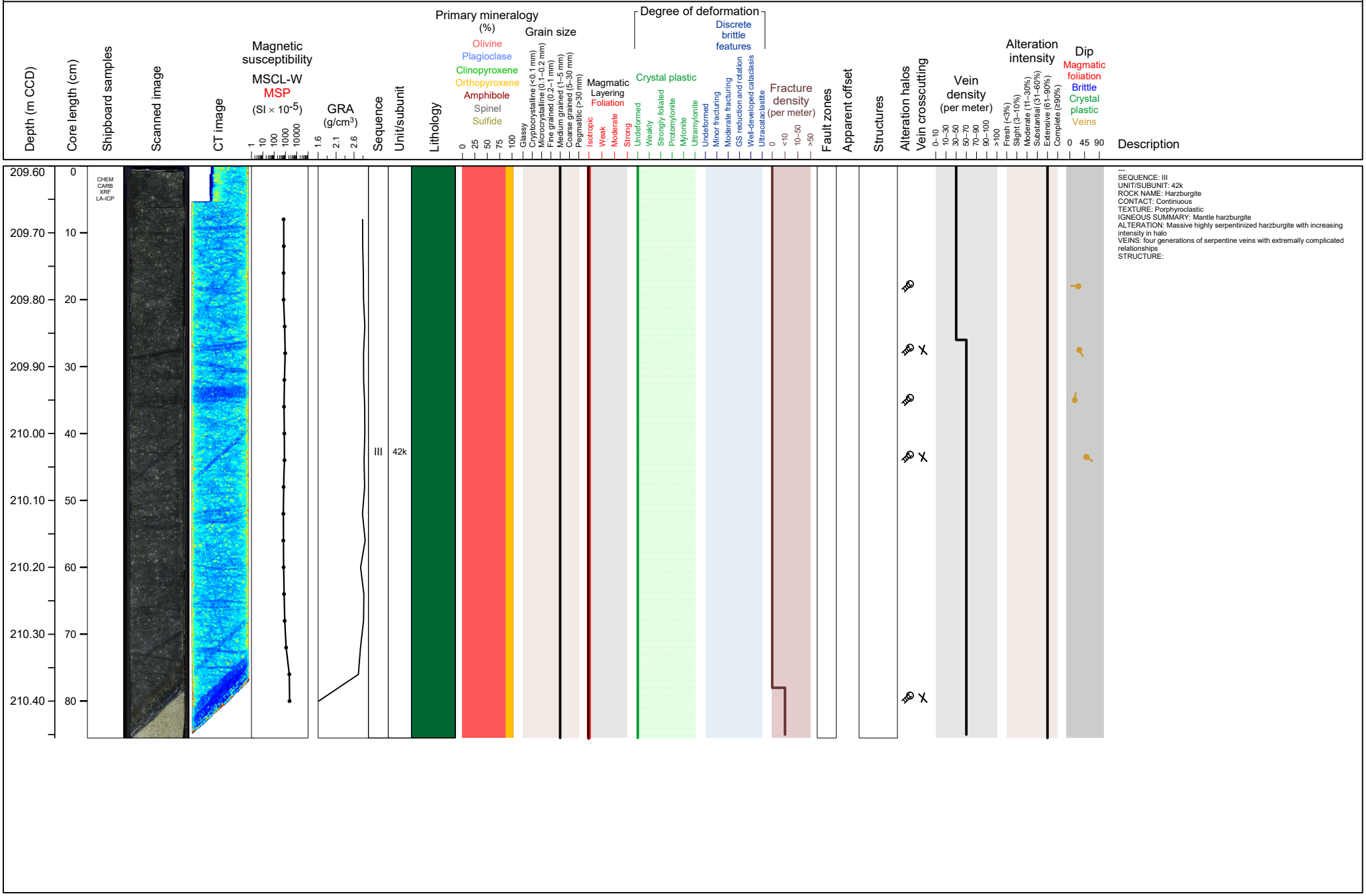
SEQUENCE: III
UNIT/SUBUNIT: 42f
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite patch in mantle harzburgite
ALTERATION: Completely altered vein, likely diopsidite
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 42g
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

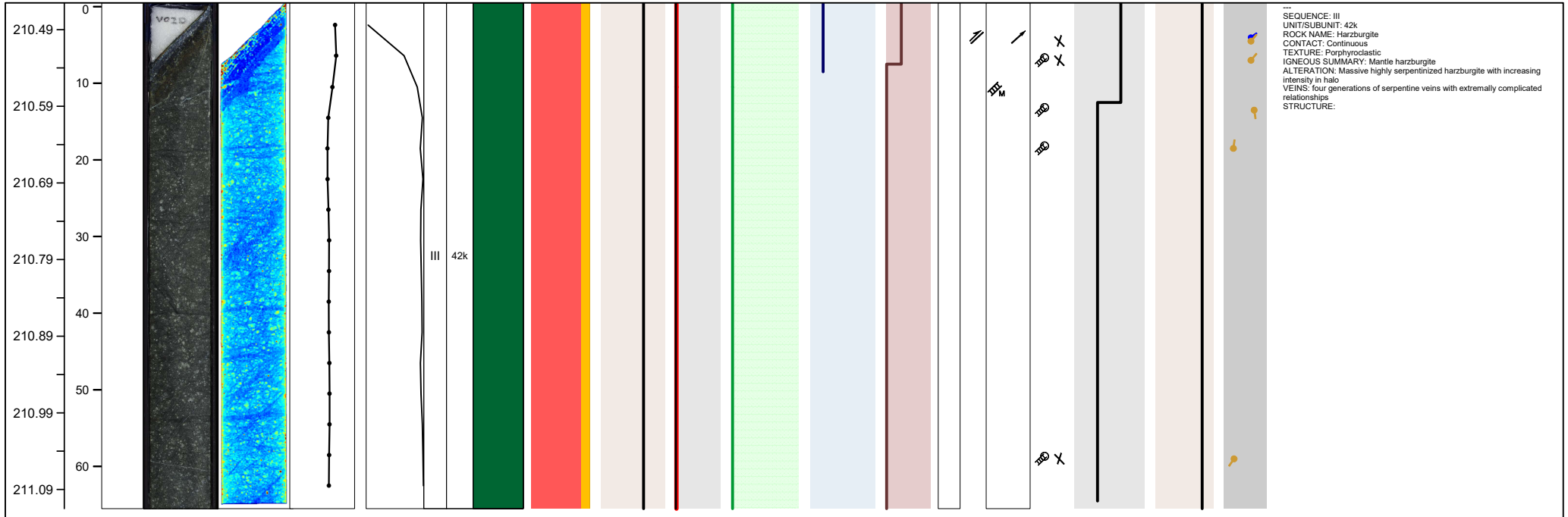
Hole CM2B-94Z Section 4, Top of Section 208.86 (m CCD)



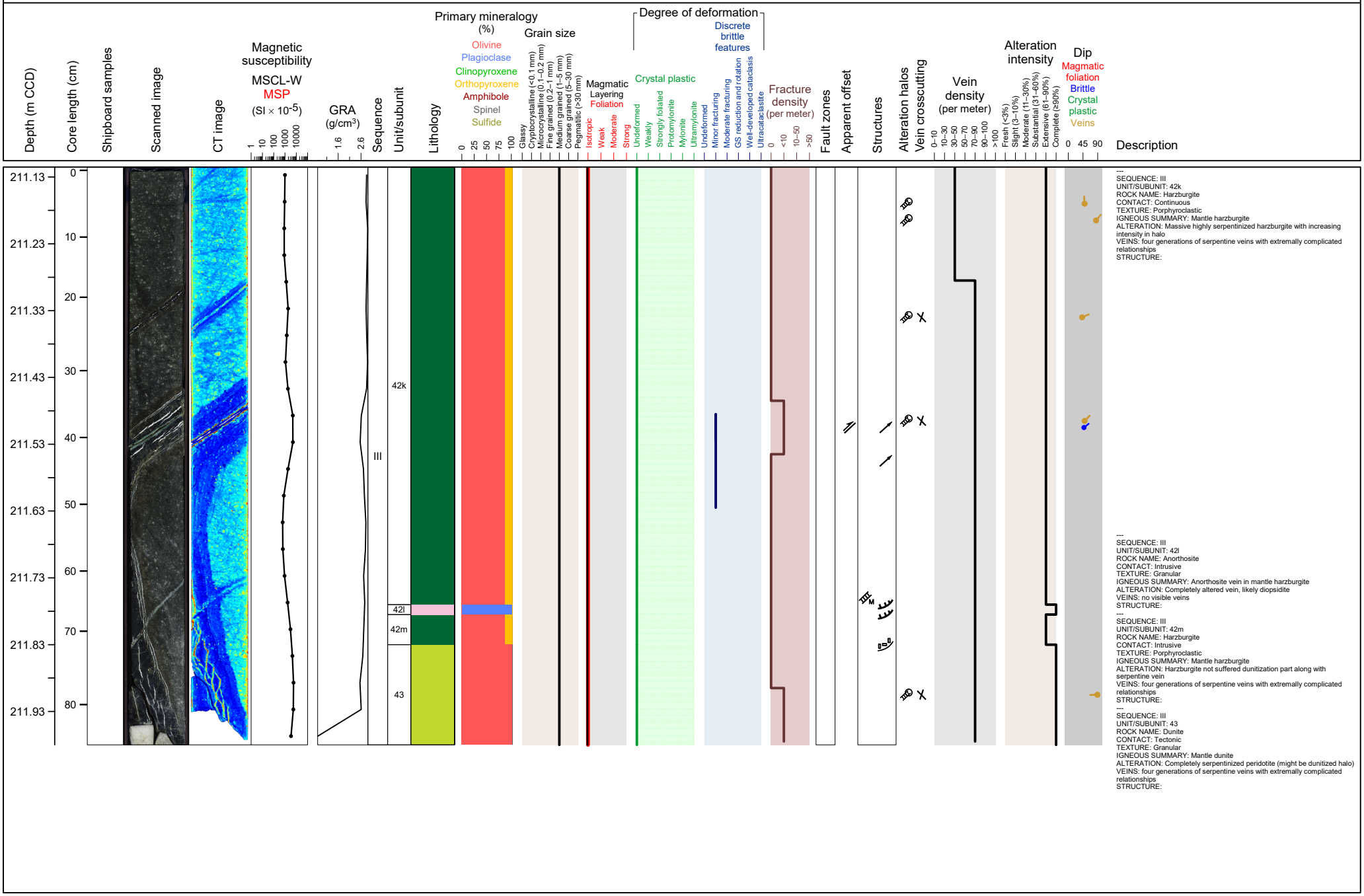
Hole CM2B-95Z Section 1, Top of Section 209.60 (m CCD)



Hole CM2B-95Z Section 2, Top of Section 210.46 (m CCD)



Hole CM2B-95Z Section 3, Top of Section 211.12 (m CCD)



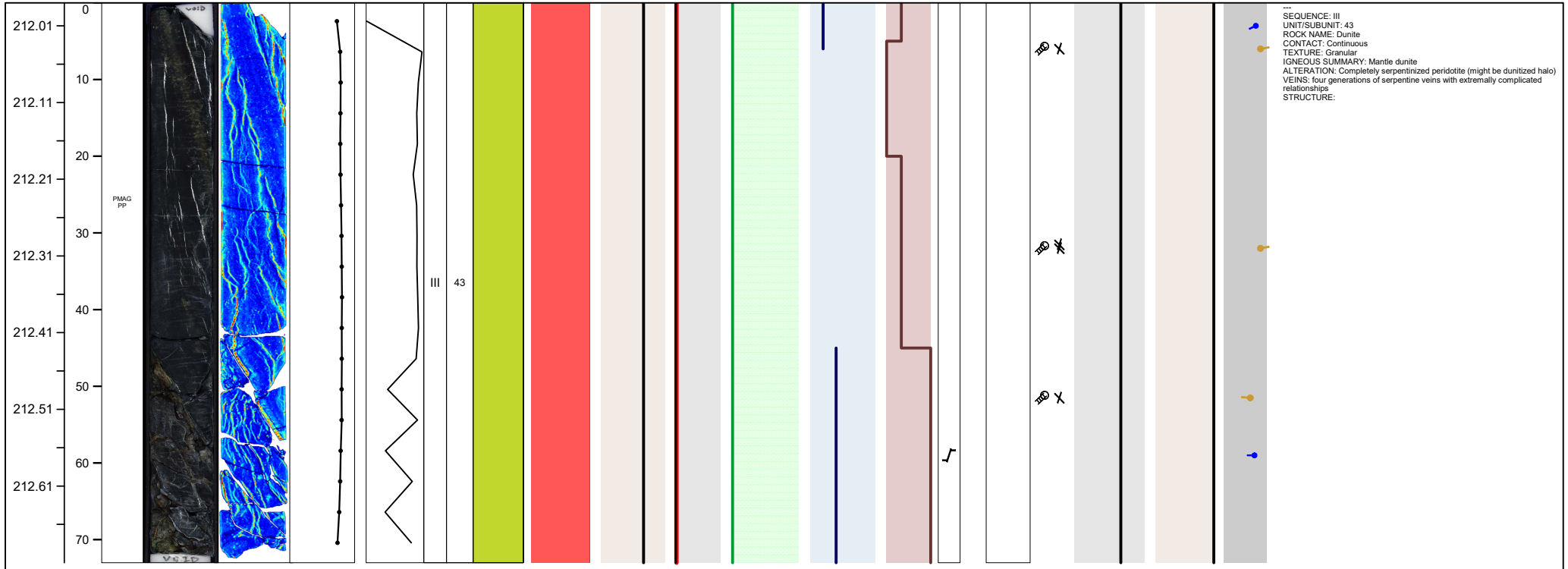
SEQUENCE: III
UNIT/SUBUNIT: 42k
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 42l
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle harzburgite
ALTERATION: Completely altered vein, likely diopsidite
VEINS: no visible veins
STRUCTURE:

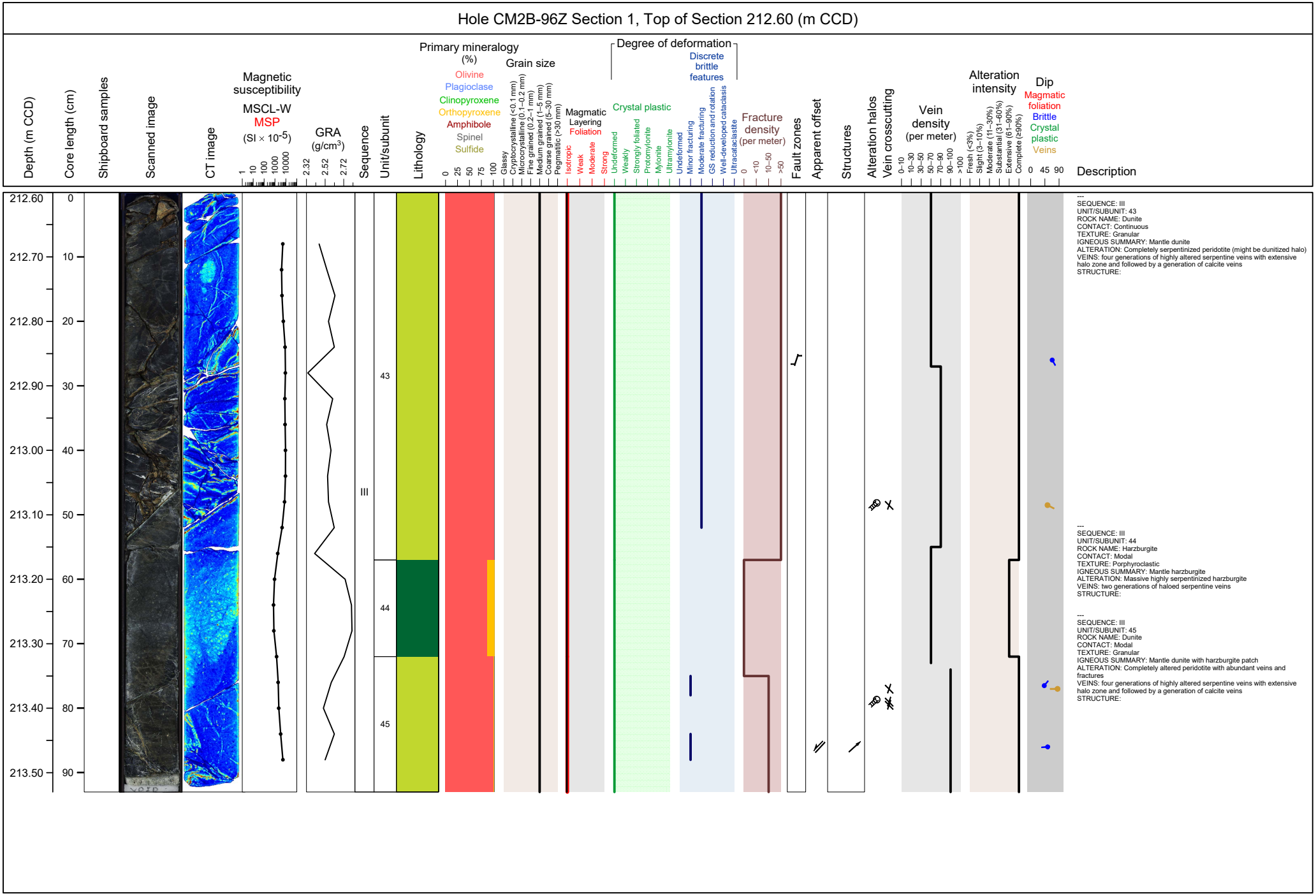
SEQUENCE: III
UNIT/SUBUNIT: 42m
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Harzburgite not suffered dunitization part along with serpentine vein
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 43
ROCK NAME: Dunite
CONTACT: Tectonic
TEXTURE: Granular
IGNEOUS SUMMARY: Mantle dunite
ALTERATION: Completely serpentinized peridotite (might be dunitized halo)
VEINS: four generations of serpentine veins with extremally complicated relationships
STRUCTURE:

Hole CM2B-95Z Section 4, Top of Section 211.98 (m CCD)



Hole CM2B-96Z Section 1, Top of Section 212.60 (m CCD)

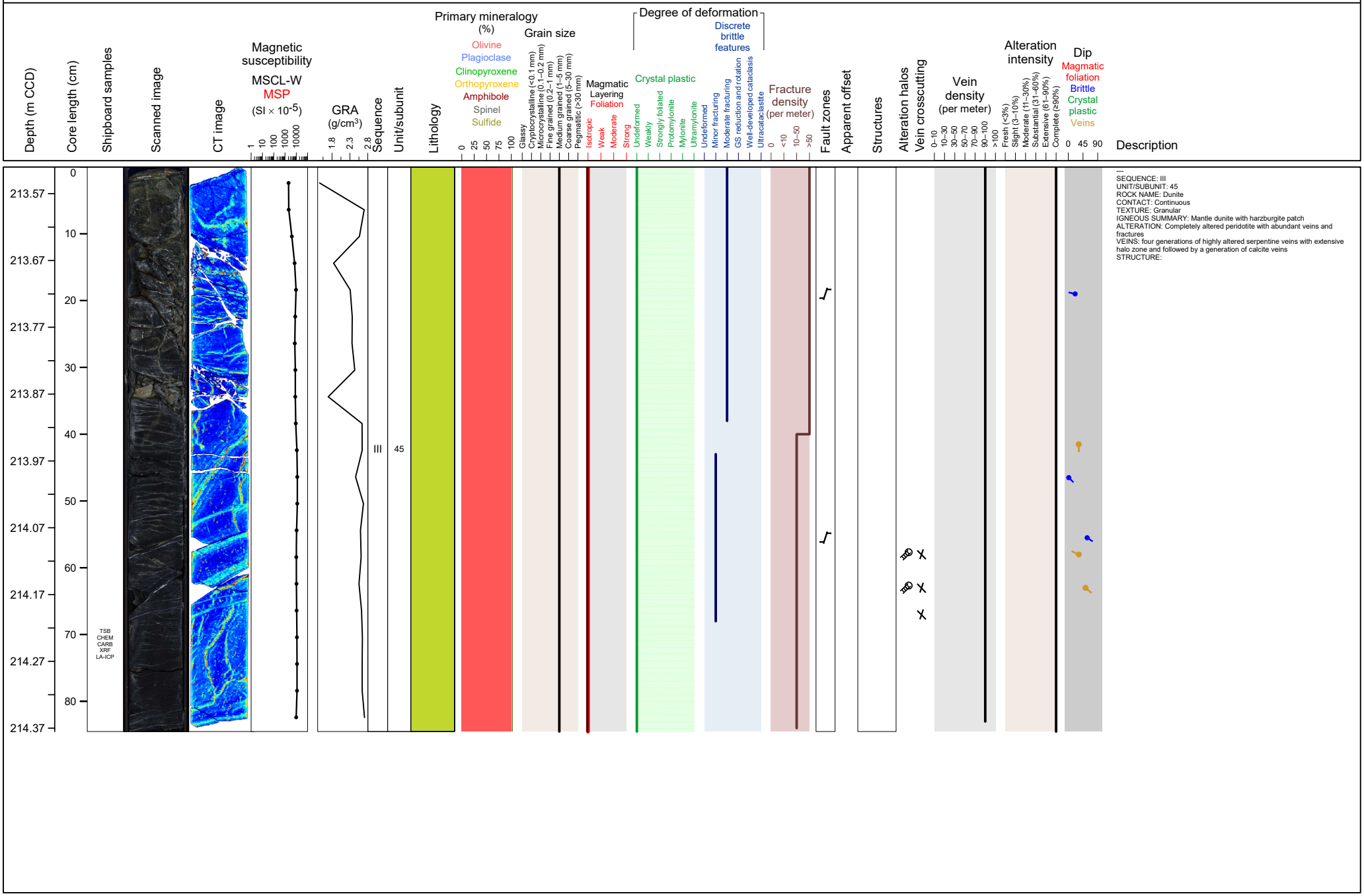


SEQUENCE: III
UNIT/SUBUNIT: 43
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Mantle dunite
ALTERATION: Completely serpentinized peridotite (might be dunitized halo)
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

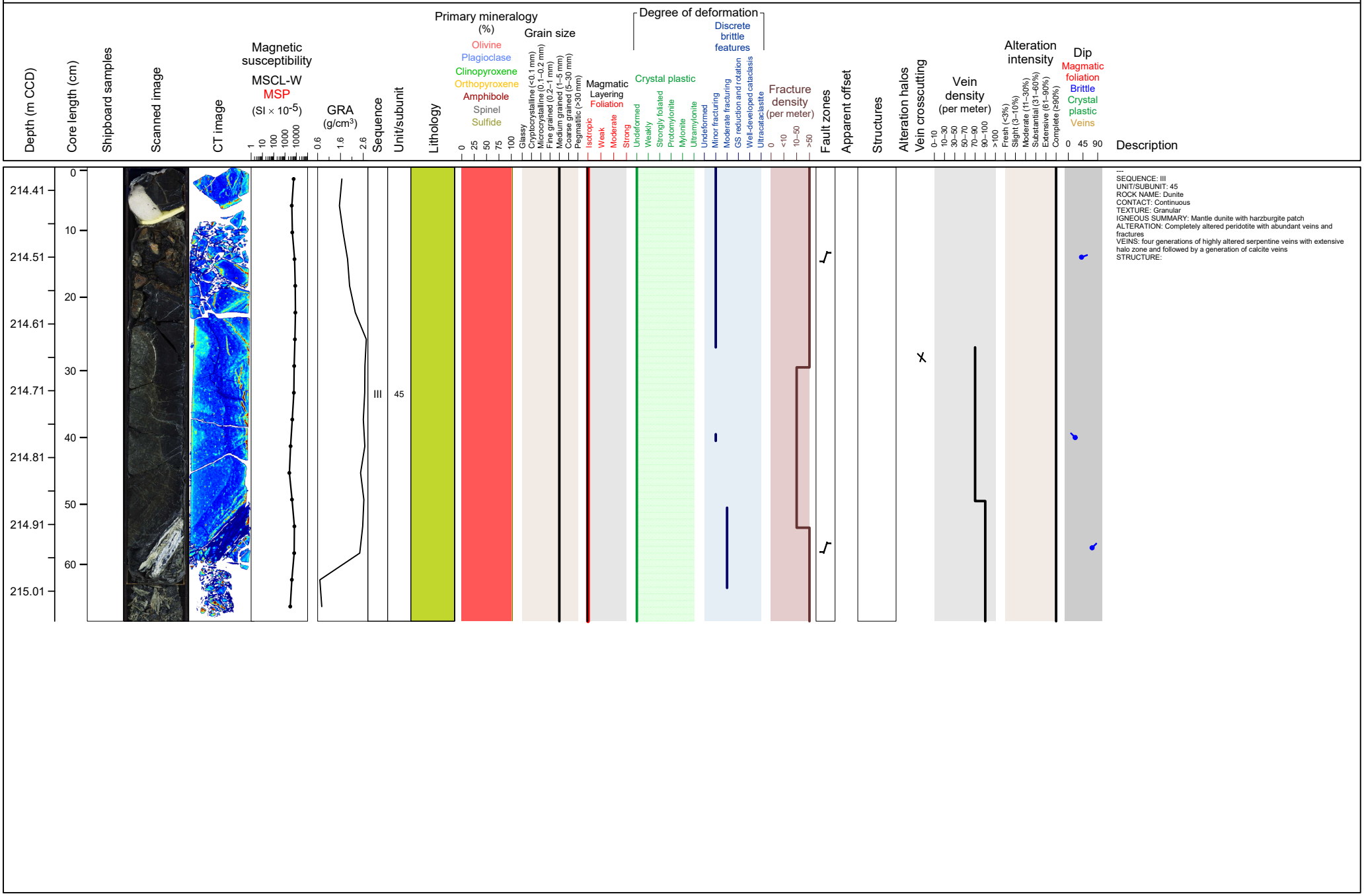
SEQUENCE: III
UNIT/SUBUNIT: 44
ROCK NAME: Harzburgite
CONTACT: Modal
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: two generations of haloed serpentine veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 45
ROCK NAME: Dunite
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Mantle dunite with harzburgite patch
ALTERATION: Completely altered peridotite with abundant veins and fractures
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

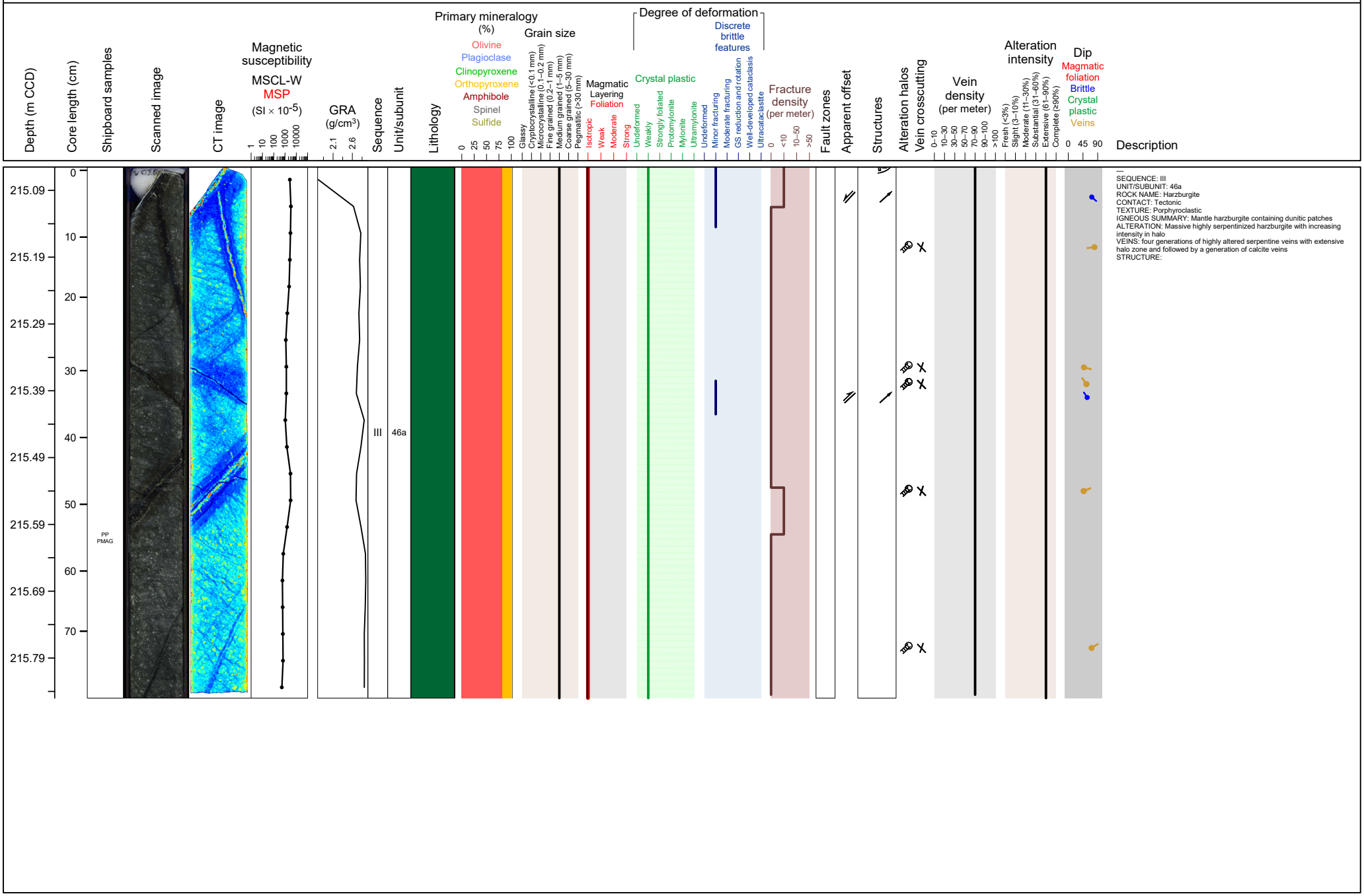
Hole CM2B-96Z Section 2, Top of Section 213.53 (m CCD)



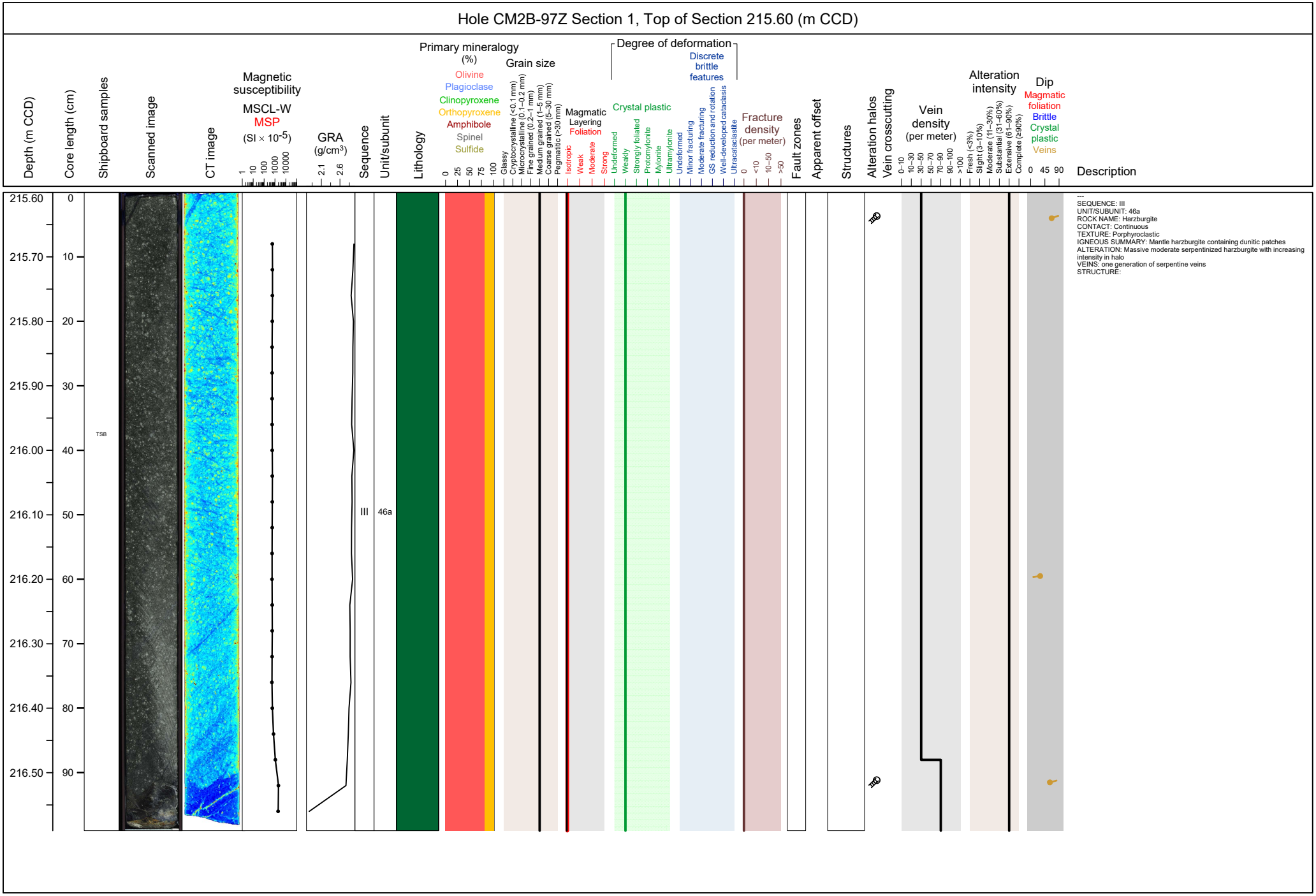
Hole CM2B-96Z Section 3, Top of Section 214.38 (m CCD)



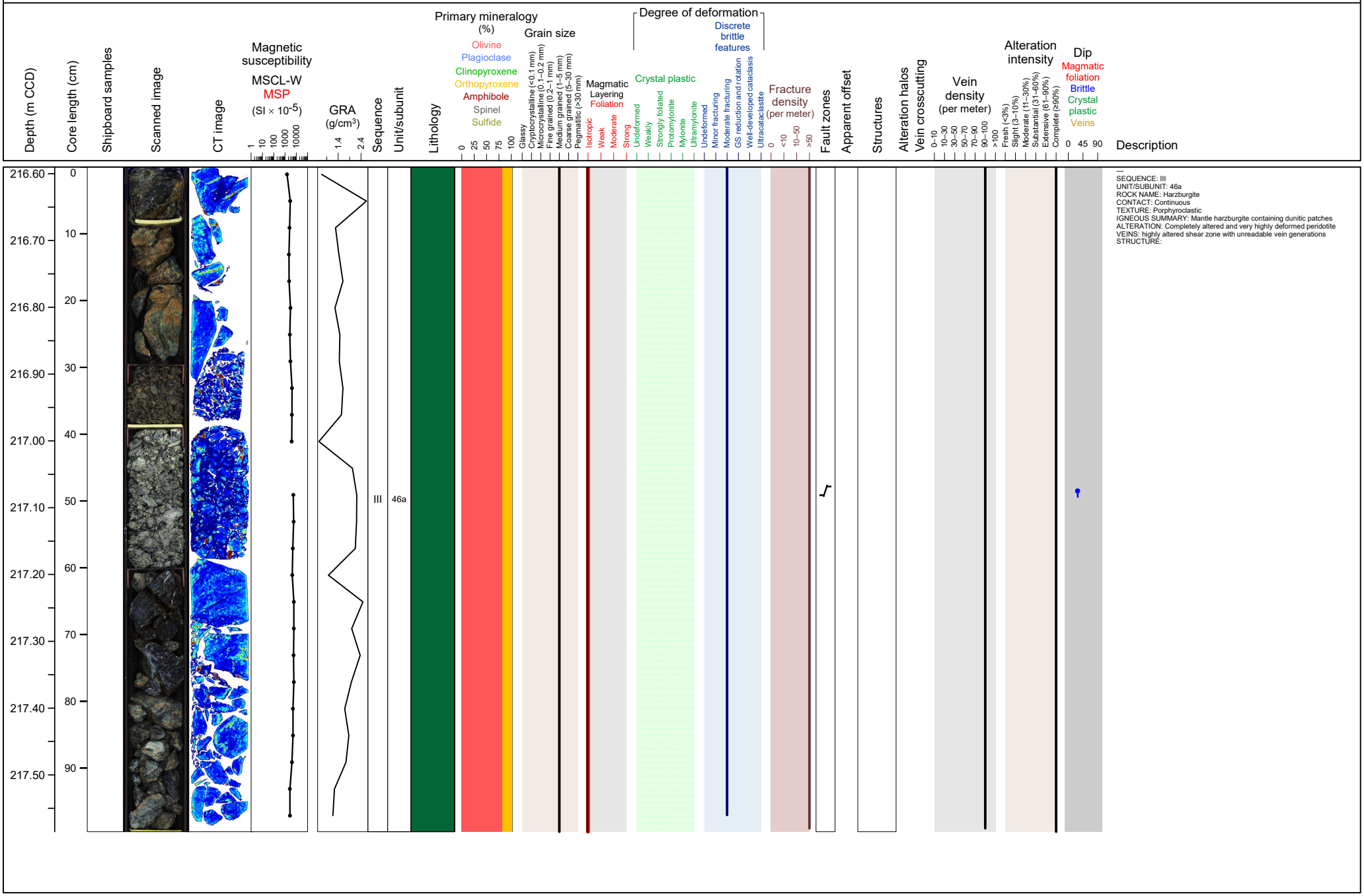
Hole CM2B-96Z Section 4, Top of Section 215.06 (m CCD)



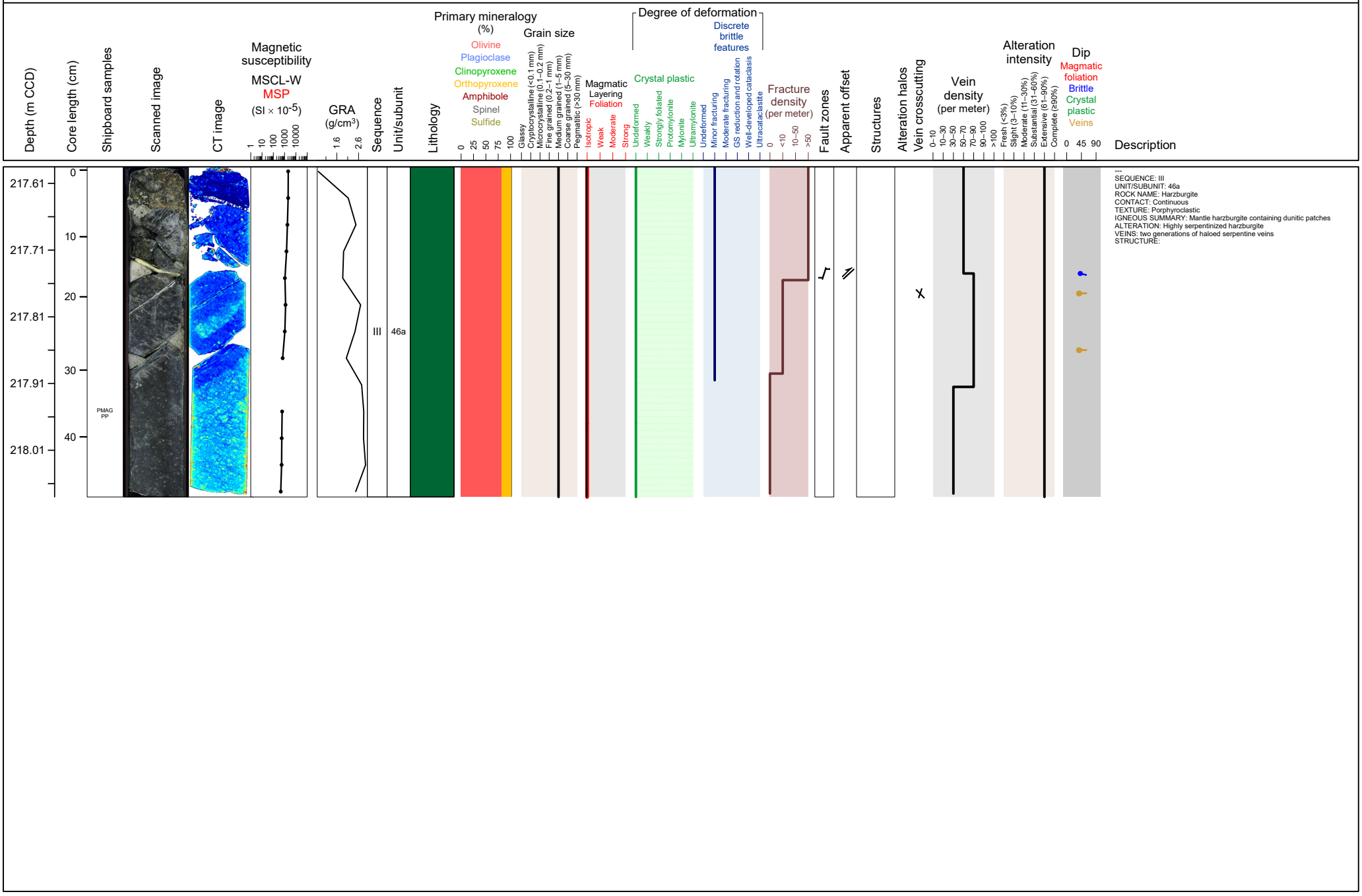
Hole CM2B-97Z Section 1, Top of Section 215.60 (m CCD)



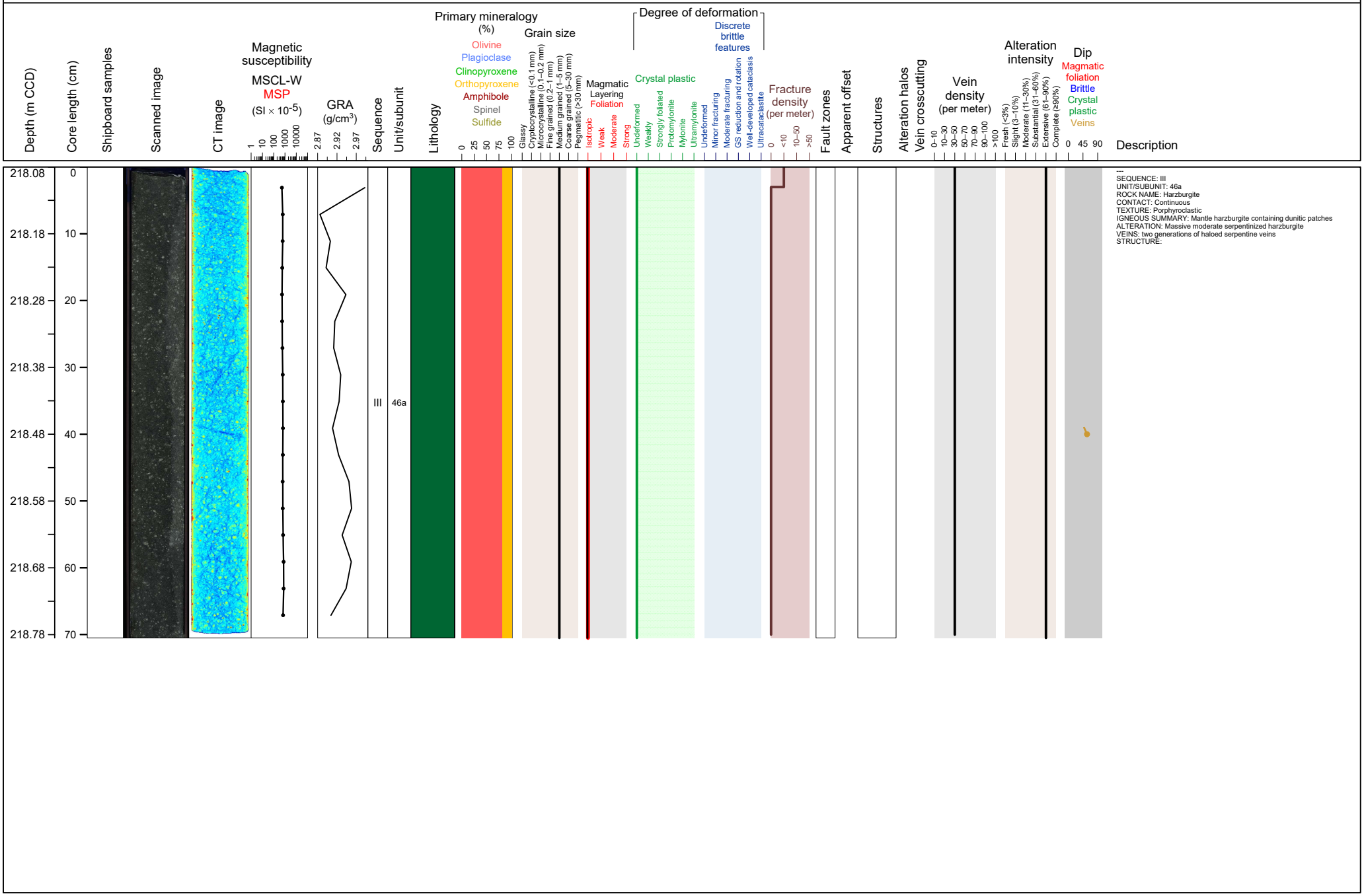
Hole CM2B-97Z Section 2, Top of Section 216.59 (m CCD)



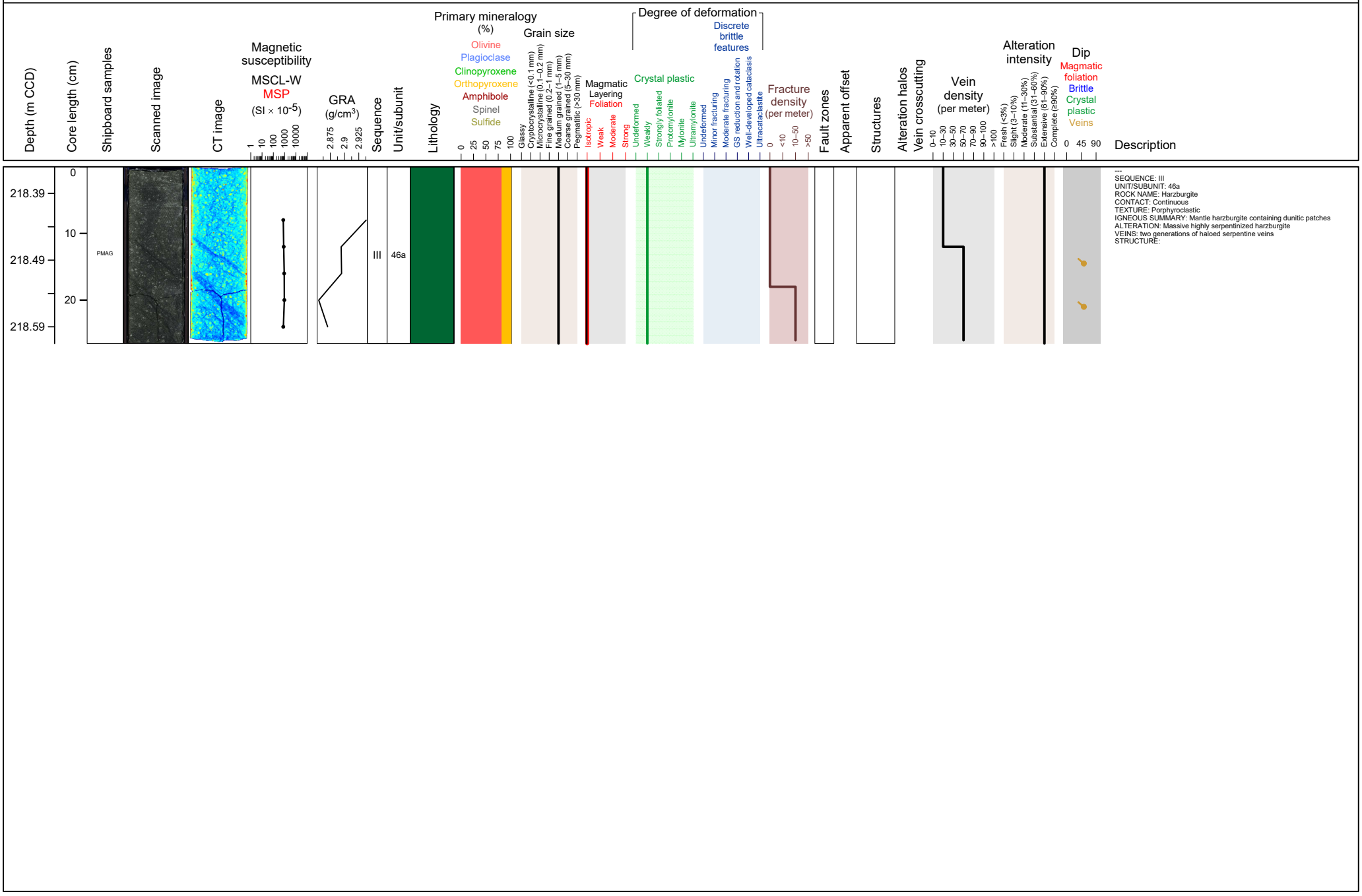
Hole CM2B-97Z Section 3, Top of Section 217.59 (m CCD)



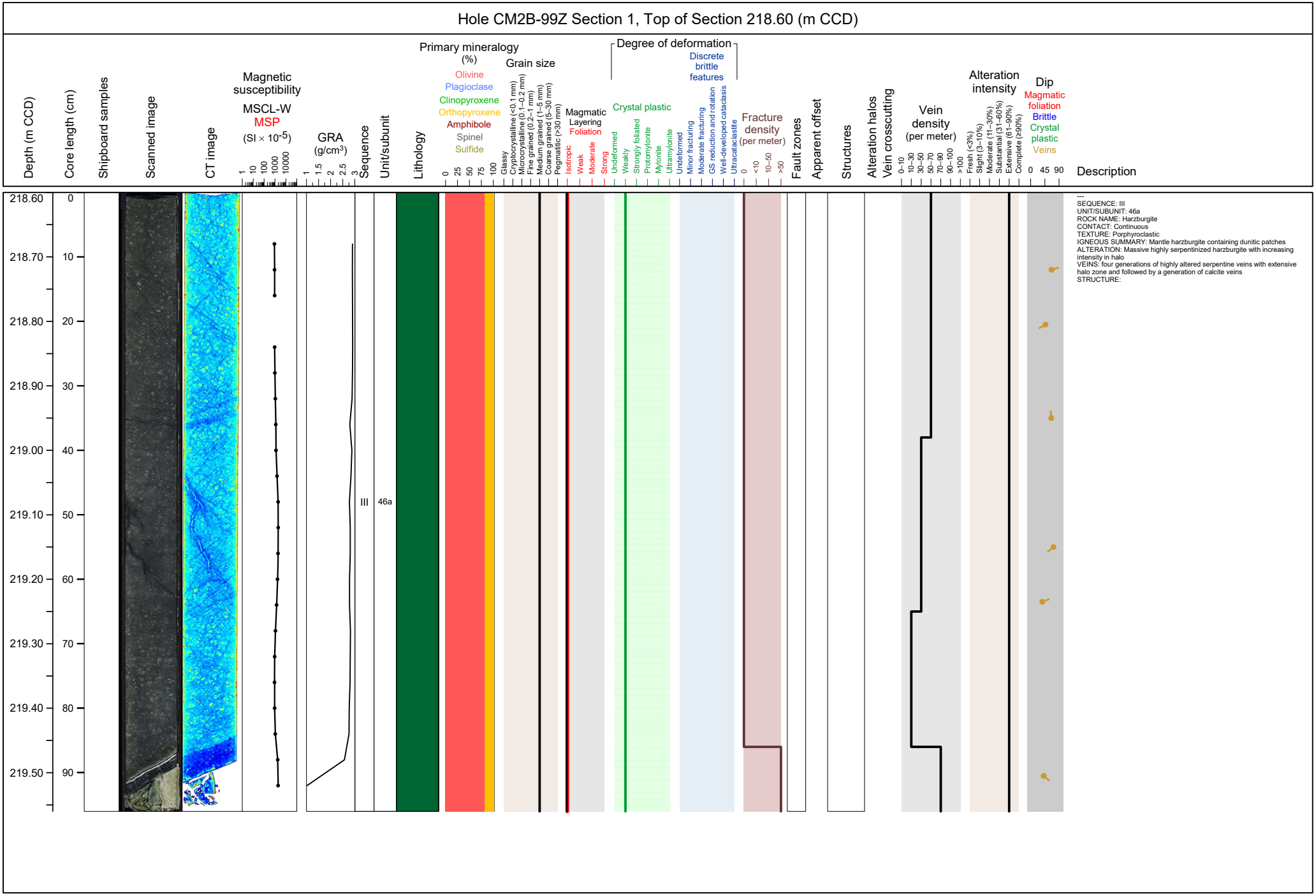
Hole CM2B-97Z Section 4, Top of Section 218.08 (m CCD)



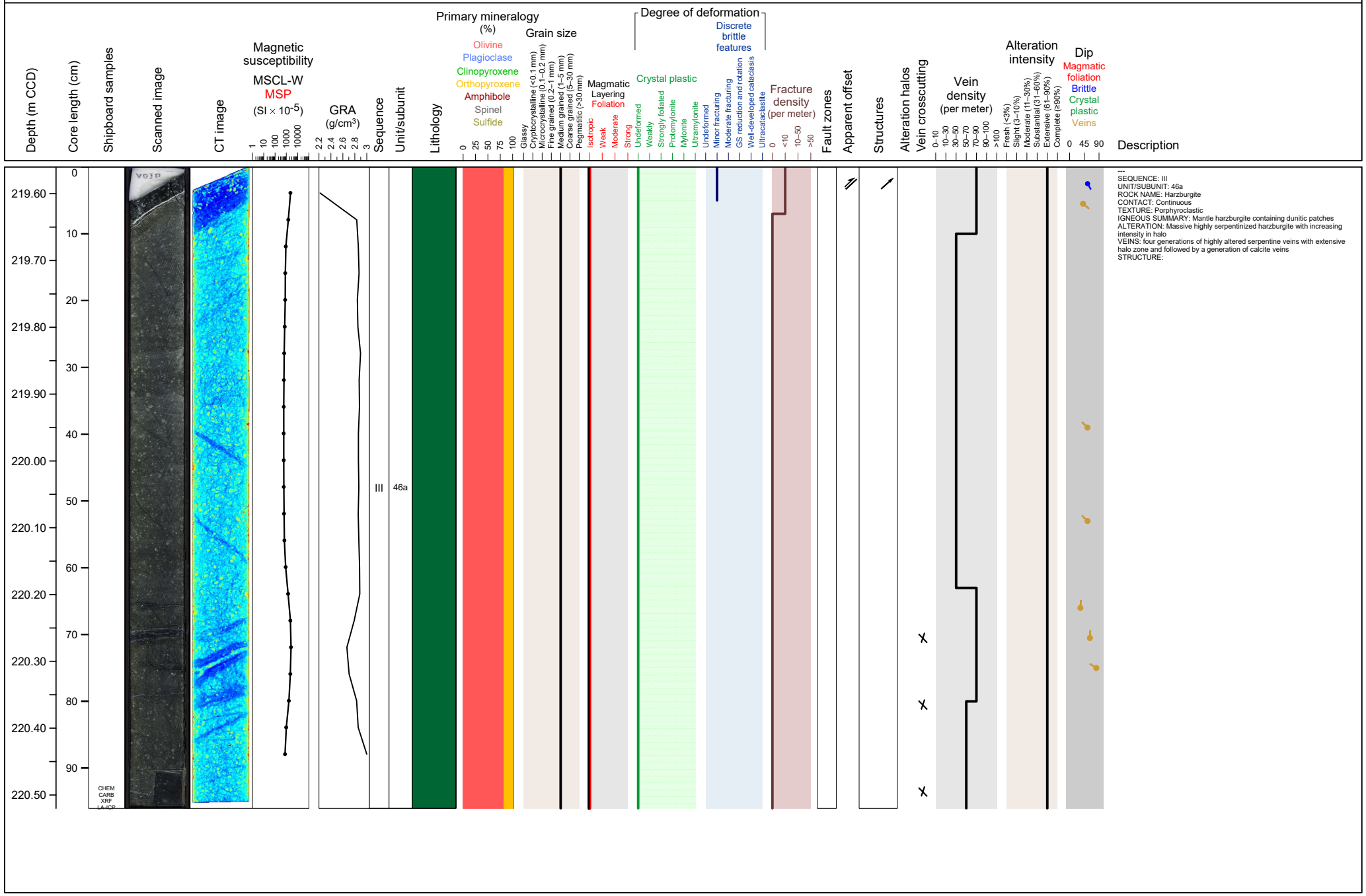
Hole CM2B-98Z Section 1, Top of Section 218.35 (m CCD)



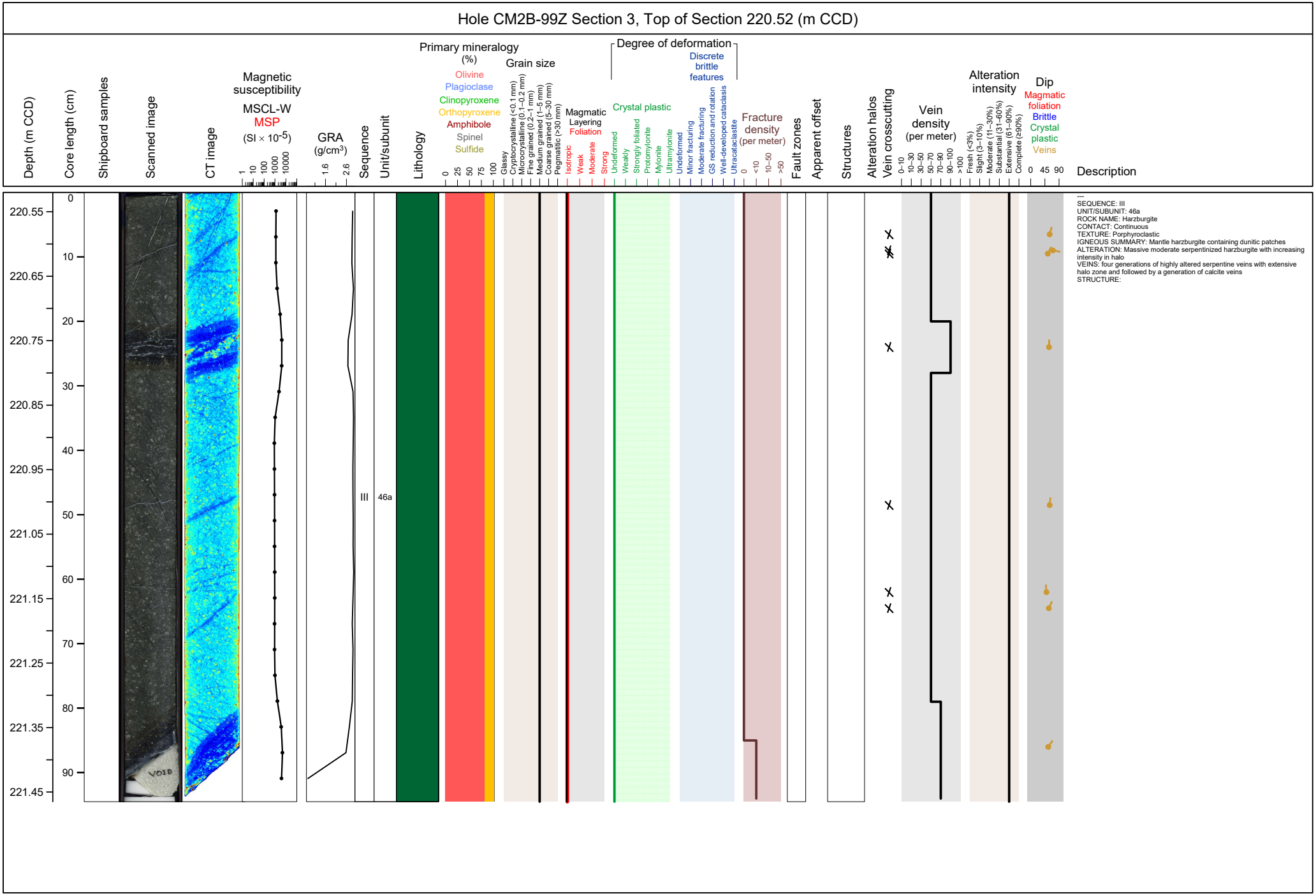
Hole CM2B-99Z Section 1, Top of Section 218.60 (m CCD)



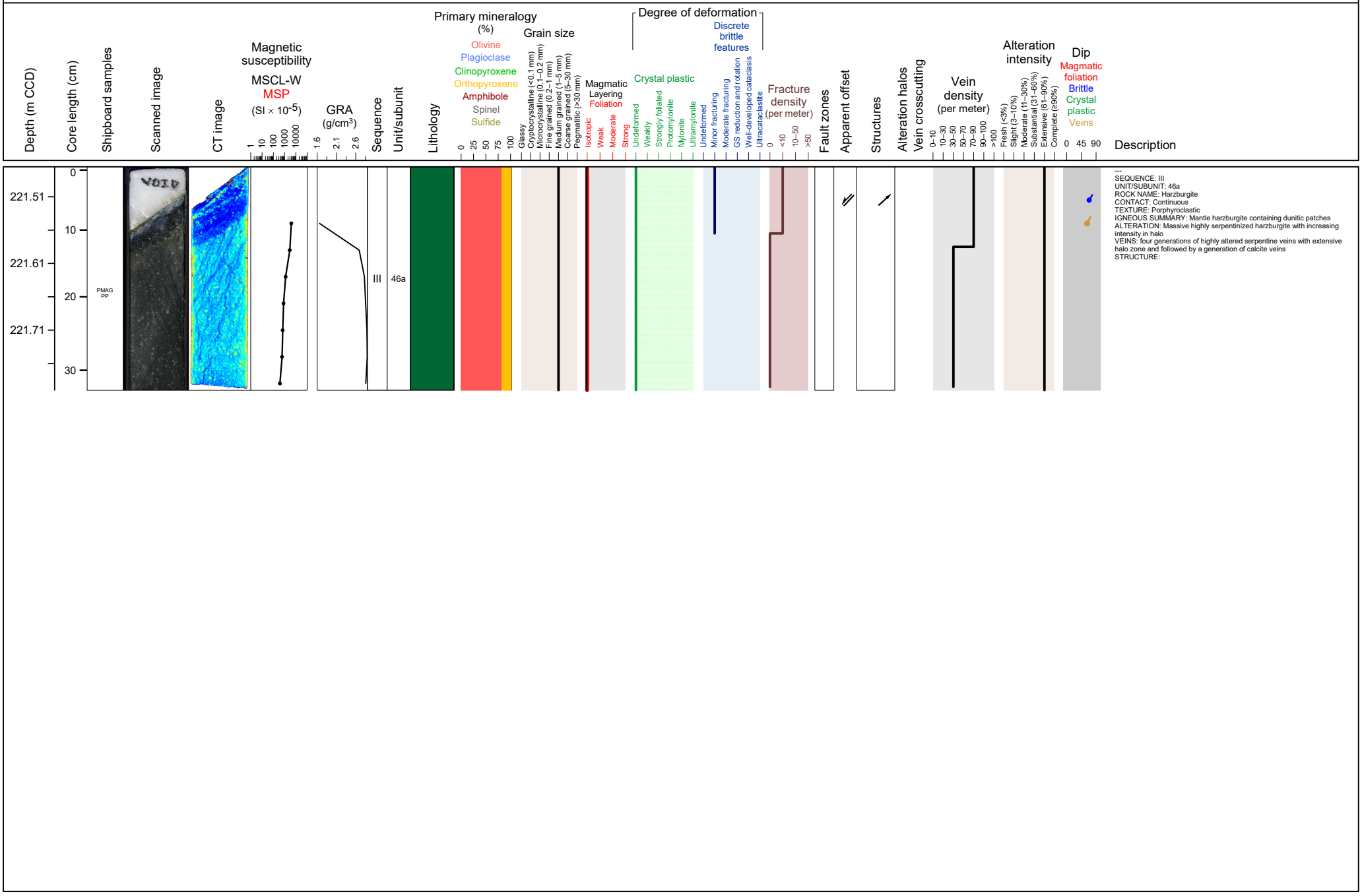
Hole CM2B-99Z Section 2, Top of Section 219.56 (m CCD)



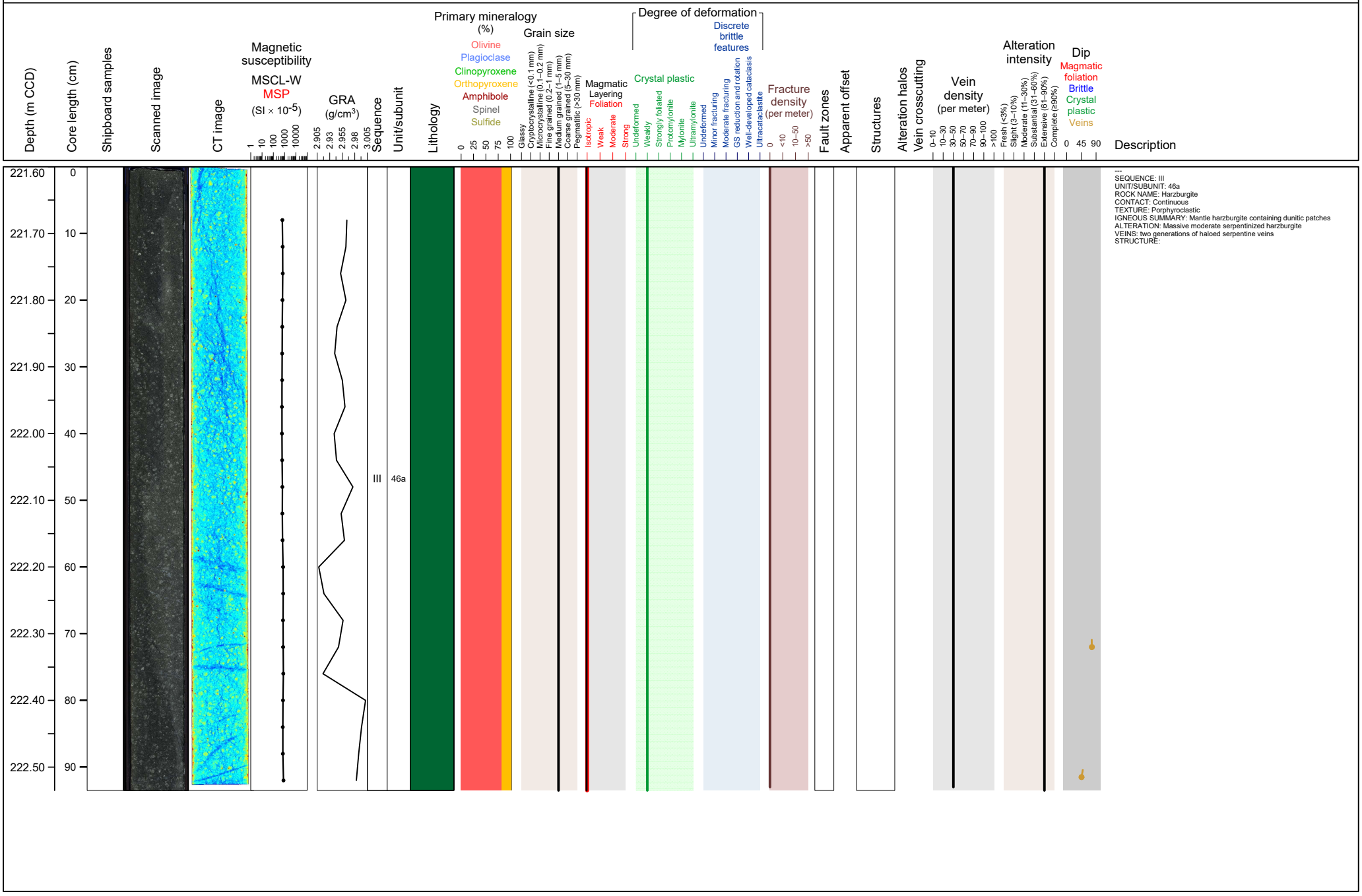
Hole CM2B-99Z Section 3, Top of Section 220.52 (m CCD)



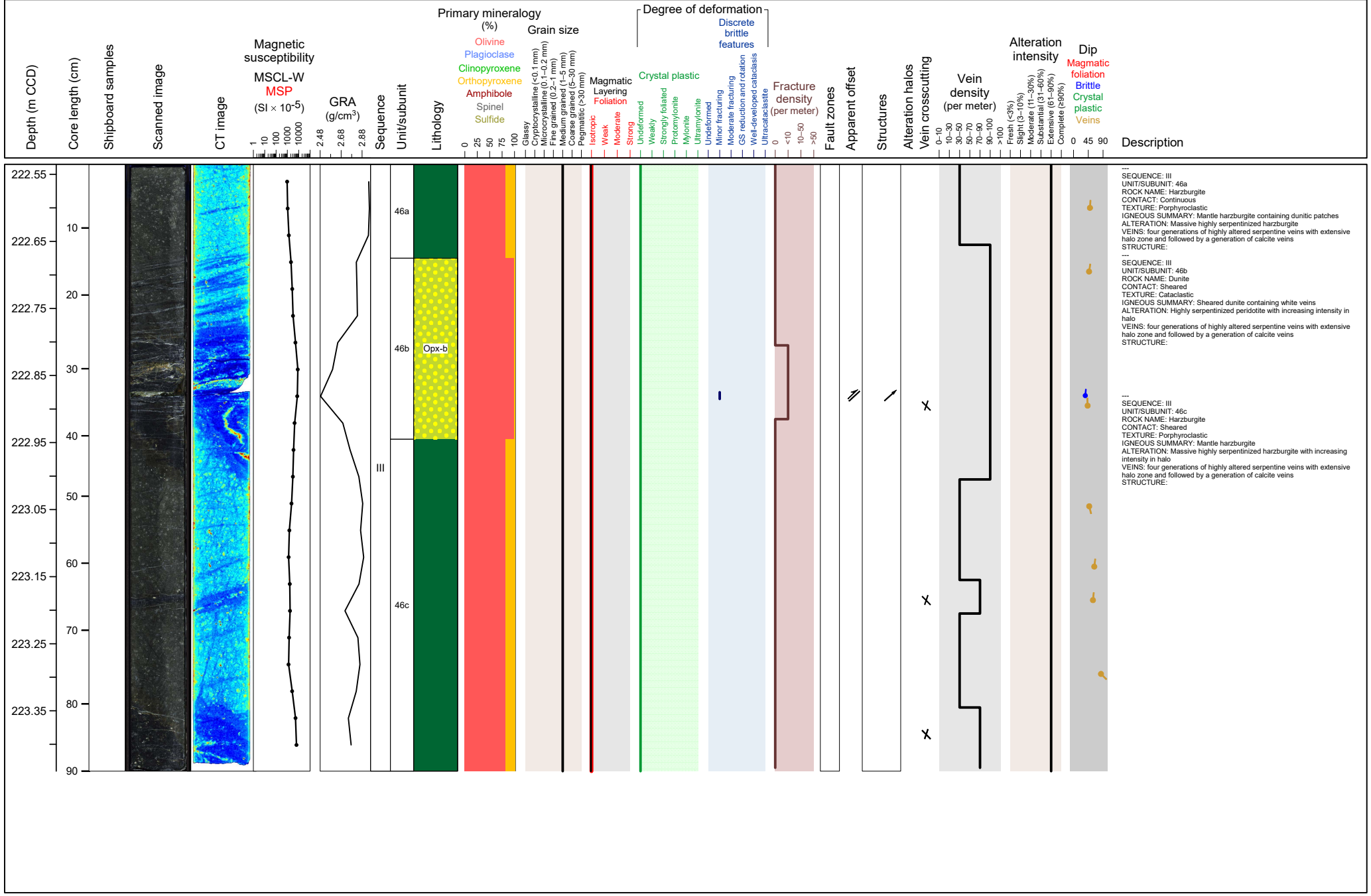
Hole CM2B-99Z Section 4, Top of Section 221.47 (m CCD)



Hole CM2B-100Z Section 1, Top of Section 221.60 (m CCD)



Hole CM2B-100Z Section 2, Top of Section 222.54 (m CCD)

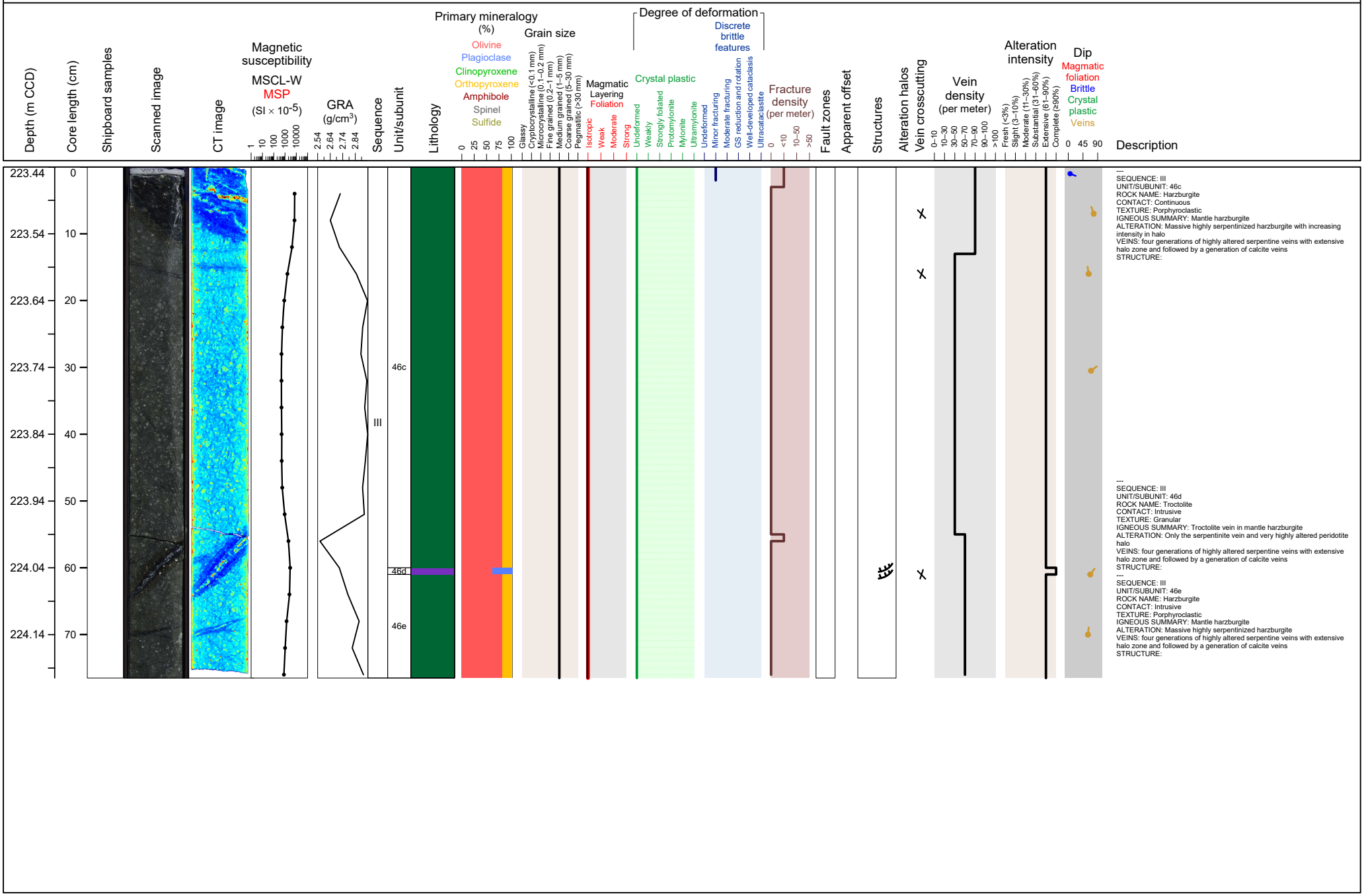


SEQUENCE: III
UNIT/SUBUNIT: 46a
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite containing dunitic patches
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

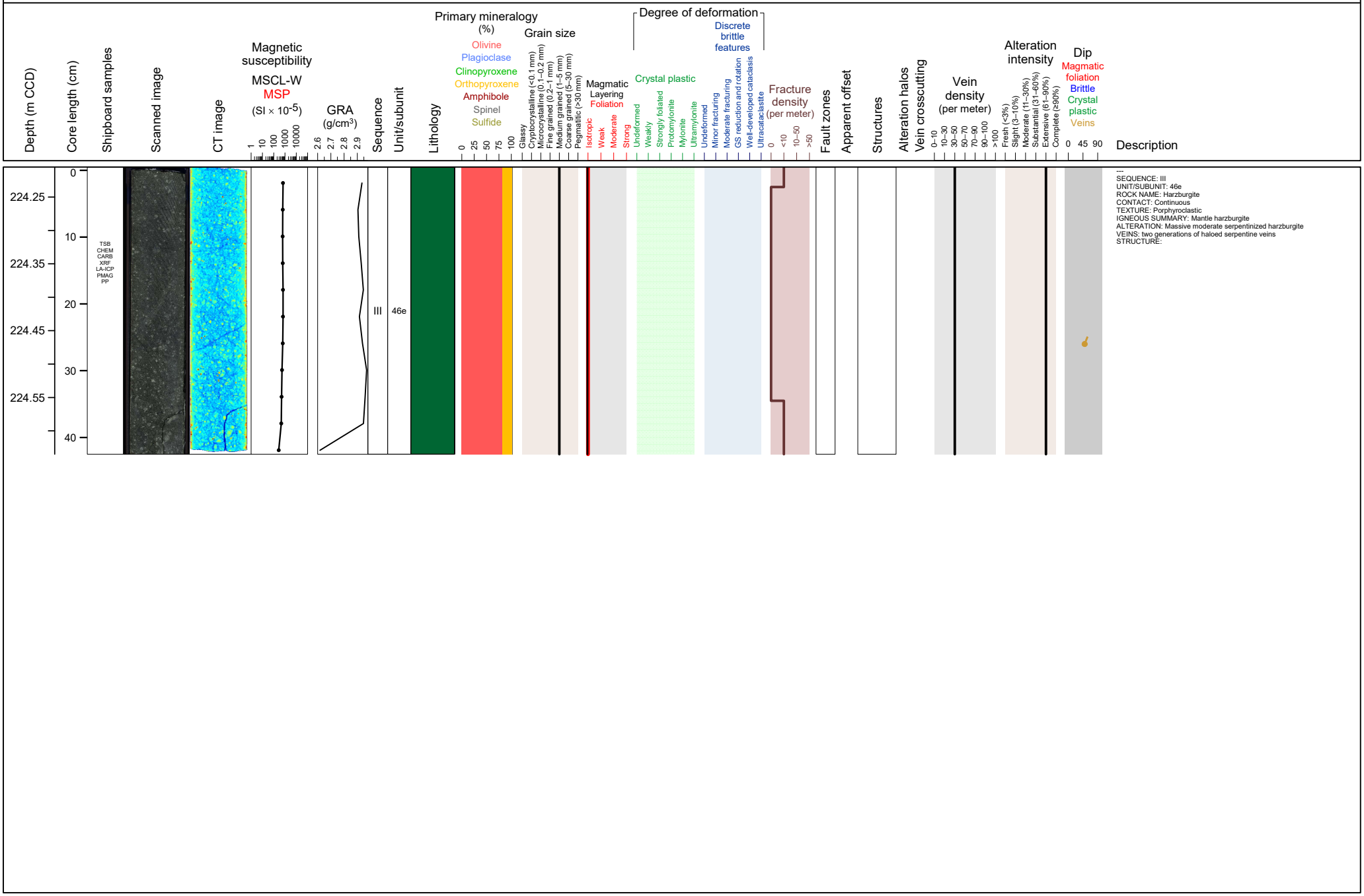
SEQUENCE: III
UNIT/SUBUNIT: 46b
ROCK NAME: Dunite
CONTACT: Sheared
TEXTURE: Cataclastic
IGNEOUS SUMMARY: Sheared dunite containing white veins
ALTERATION: Highly serpentinized peridotite with increasing intensity in halo
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 46c
ROCK NAME: Harzburgite
CONTACT: Sheared
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-100Z Section 3, Top of Section 223.44 (m CCD)

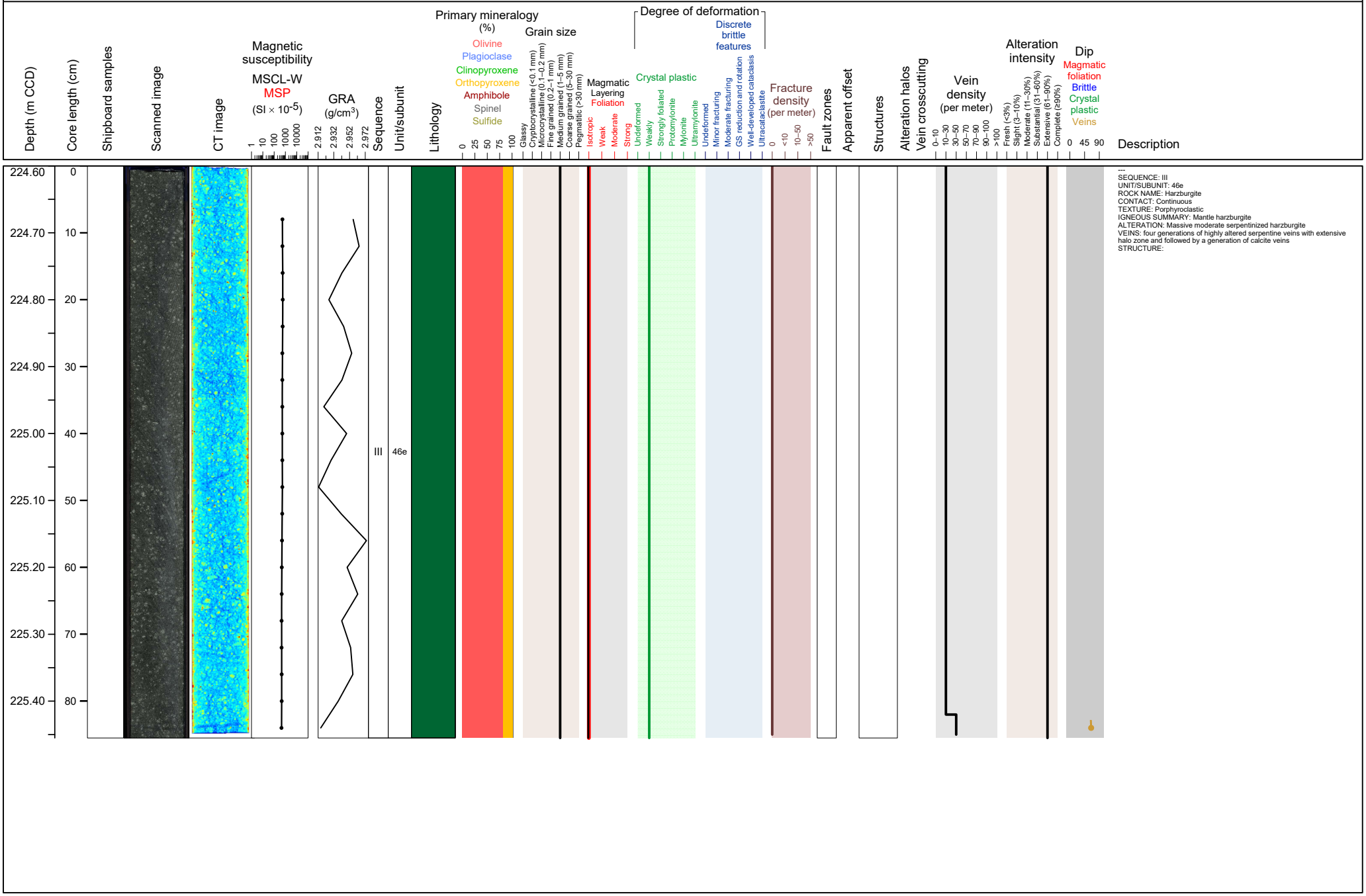


Hole CM2B-100Z Section 4, Top of Section 224.21 (m CCD)

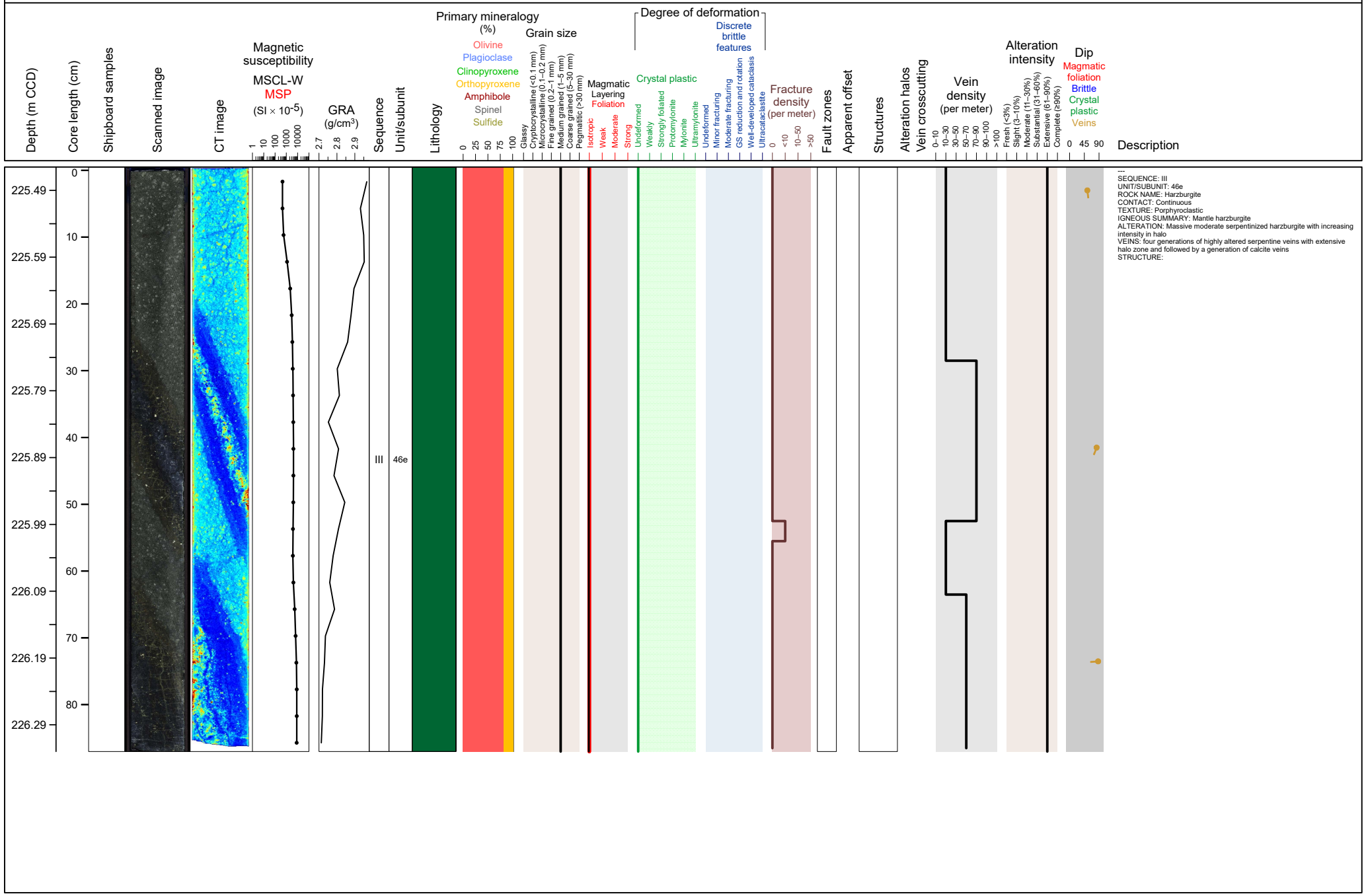


SEQUENCE: III
UNIT/SUBUNIT: 46e
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive moderate serpentinized harzburgite
VEINS: two generations of haloed serpentine veins
STRUCTURE:

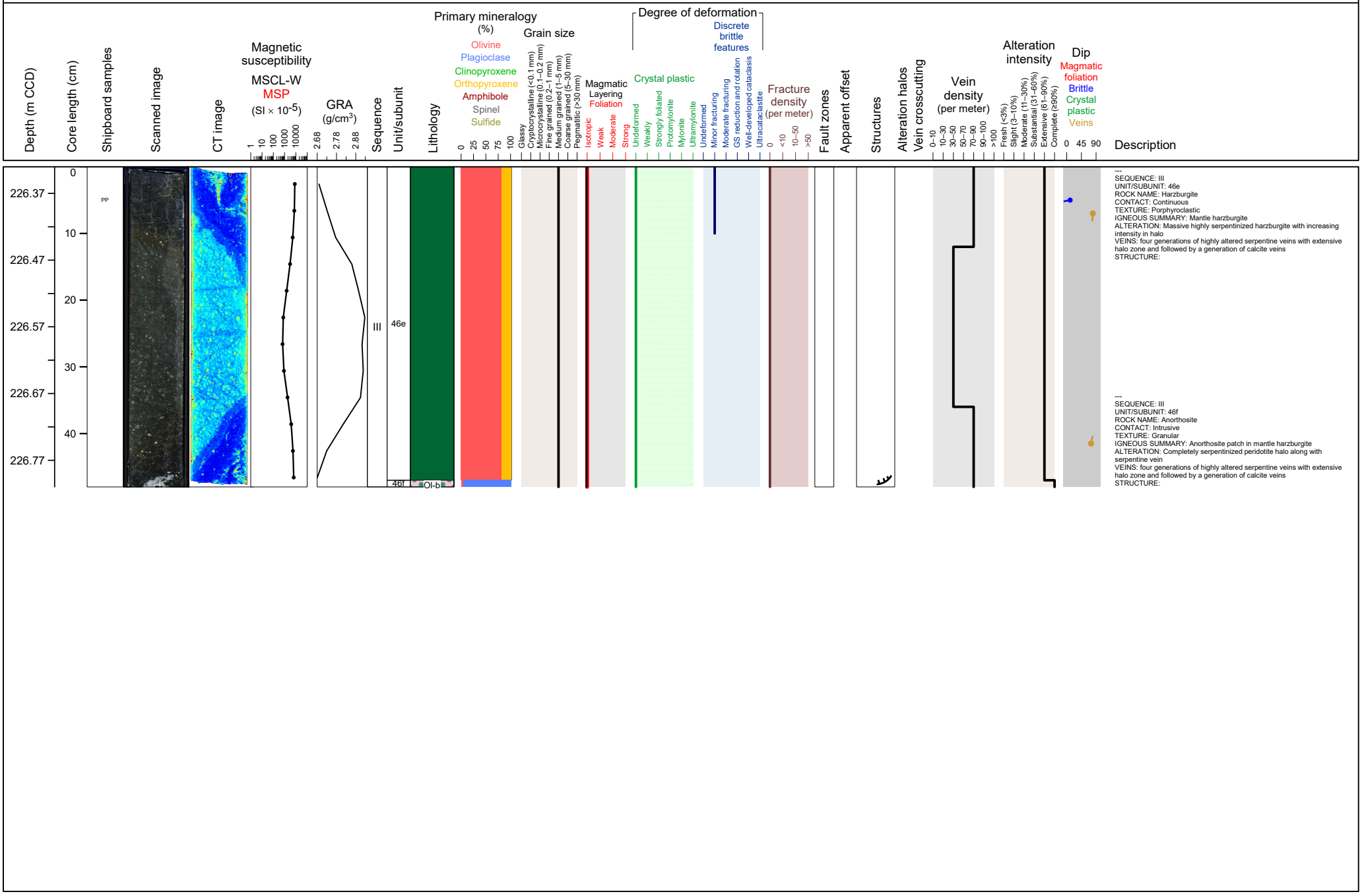
Hole CM2B-101Z Section 1, Top of Section 224.60 (m CCD)



Hole CM2B-101Z Section 2, Top of Section 225.46 (m CCD)



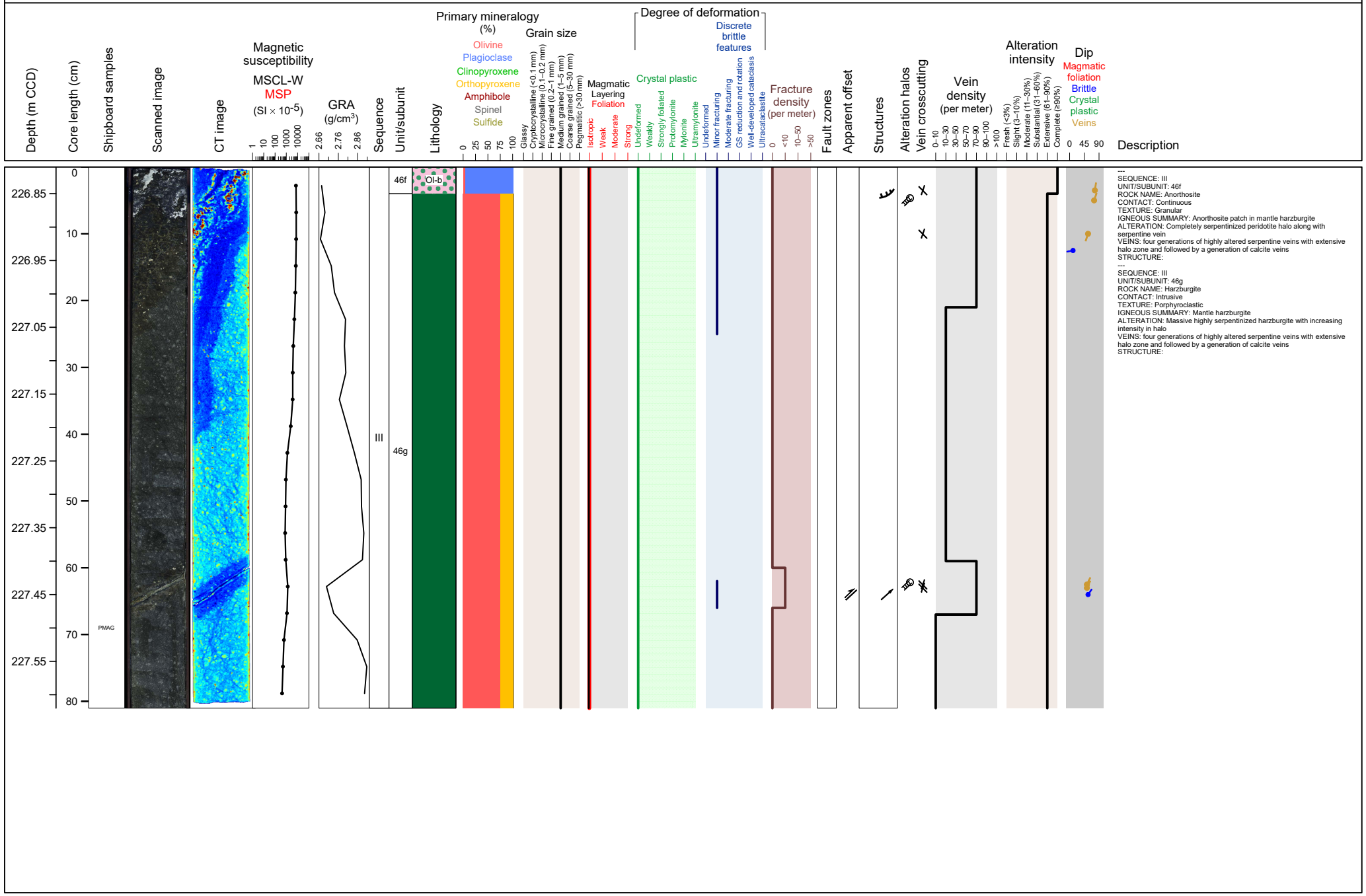
Hole CM2B-101Z Section 3, Top of Section 226.33 (m CCD)



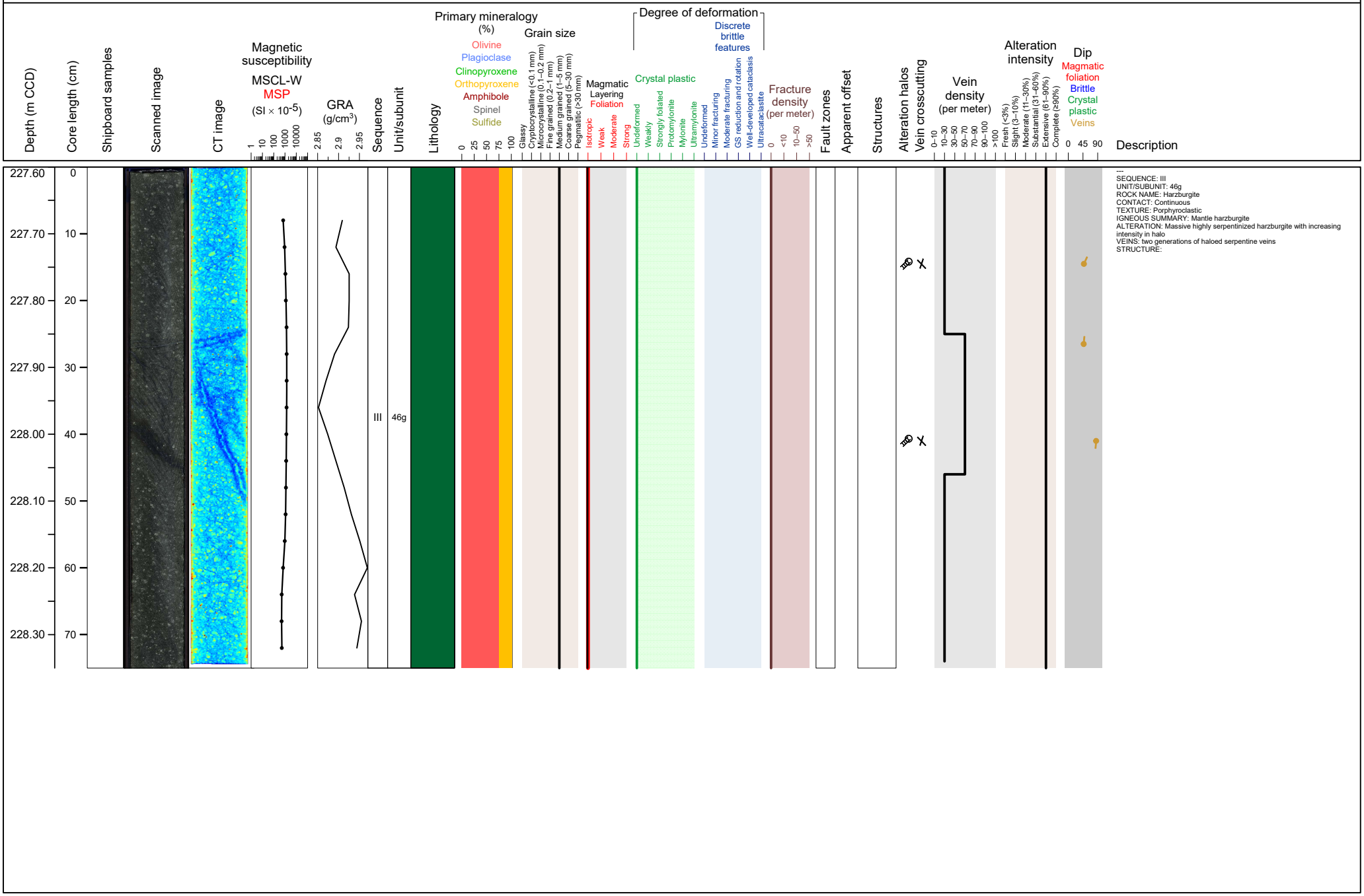
SEQUENCE: III
UNIT/SUBUNIT: 46e
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 46f
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite patch in mantle harzburgite
ALTERATION: Completely serpentinized peridotite halo along with serpentine vein
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

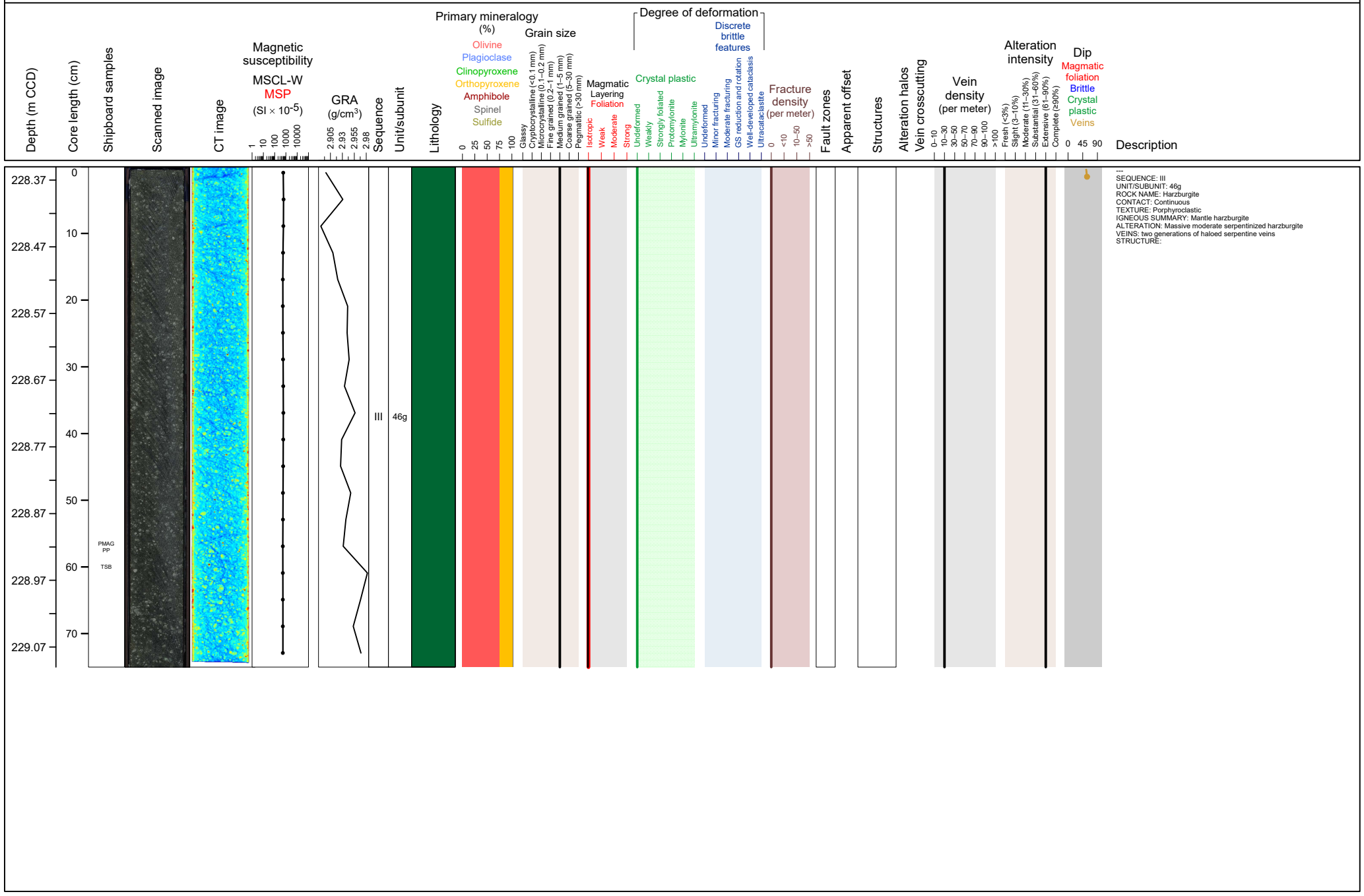
Hole CM2B-101Z Section 4, Top of Section 226.81 (m CCD)



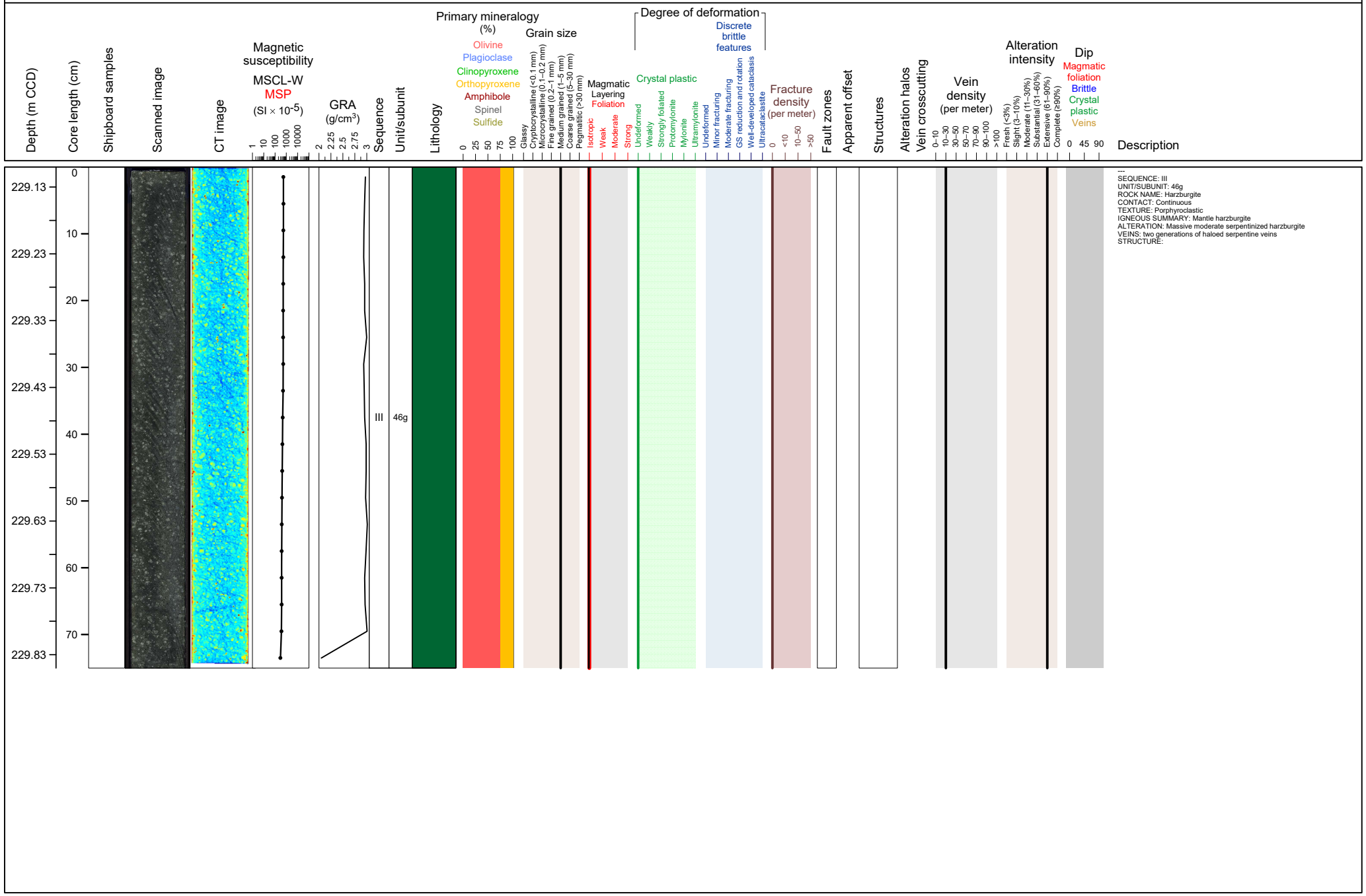
Hole CM2B-102Z Section 1, Top of Section 227.60 (m CCD)



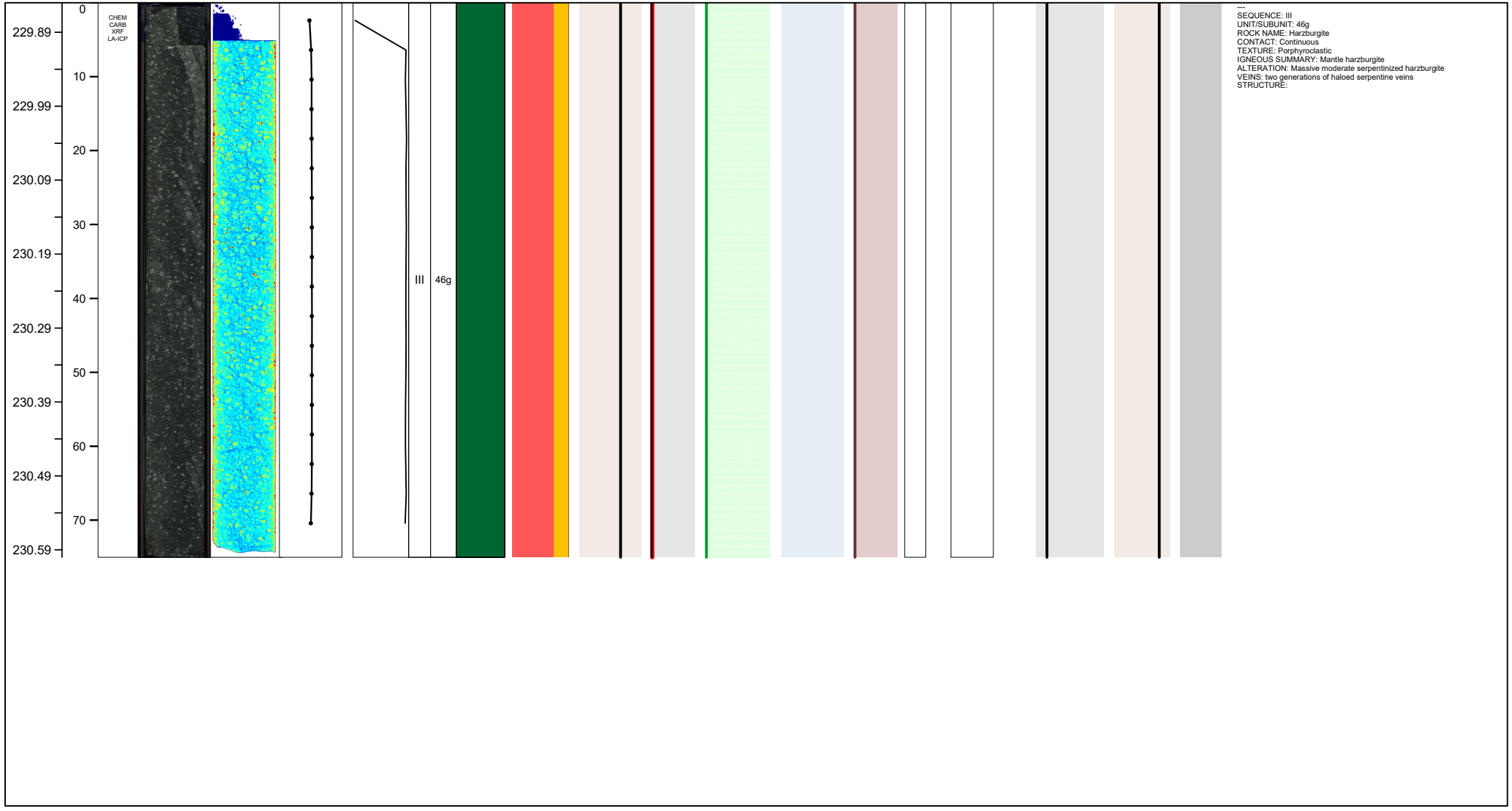
Hole CM2B-102Z Section 2, Top of Section 228.35 (m CCD)



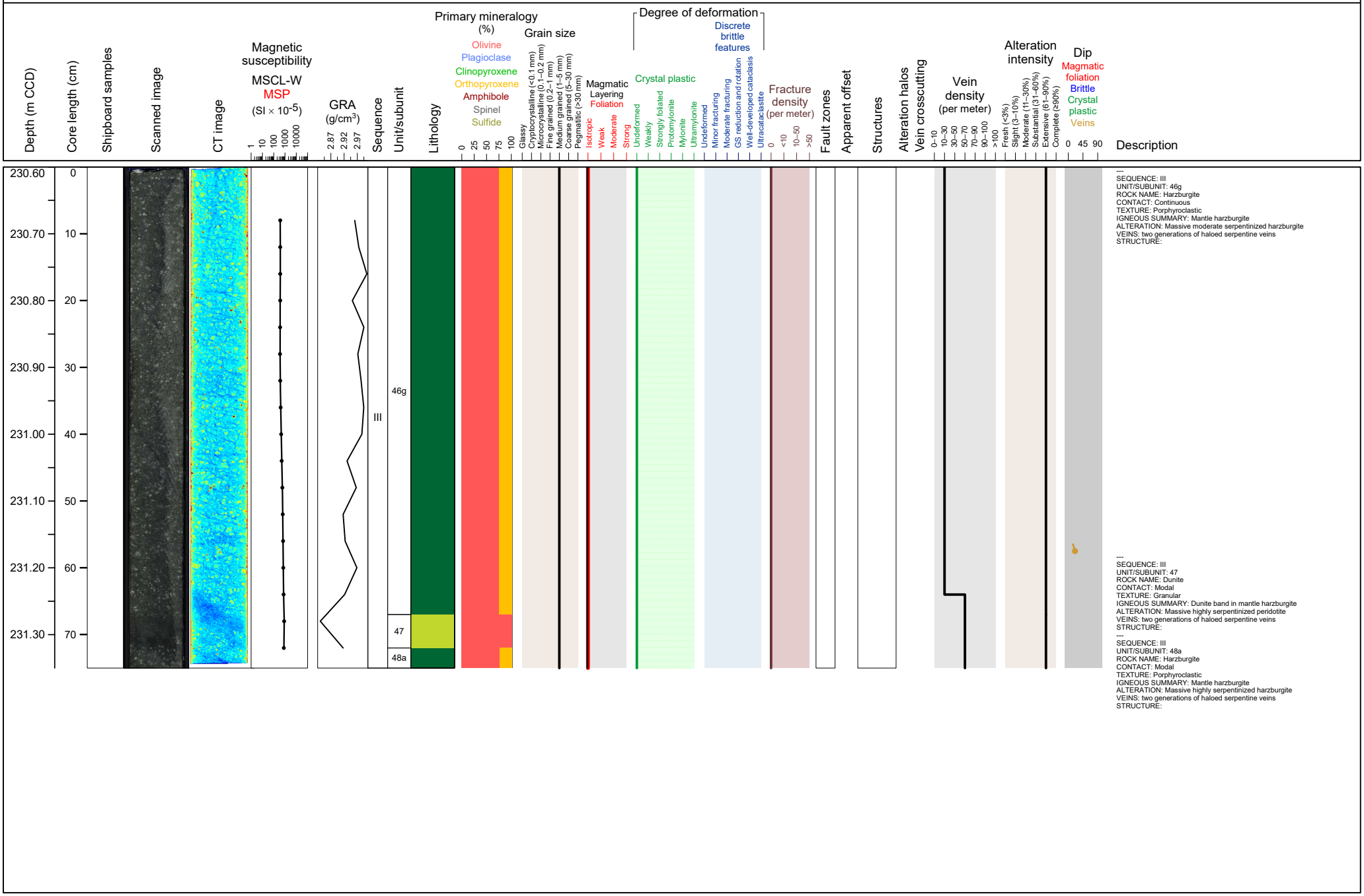
Hole CM2B-102Z Section 3, Top of Section 229.10 (m CCD)



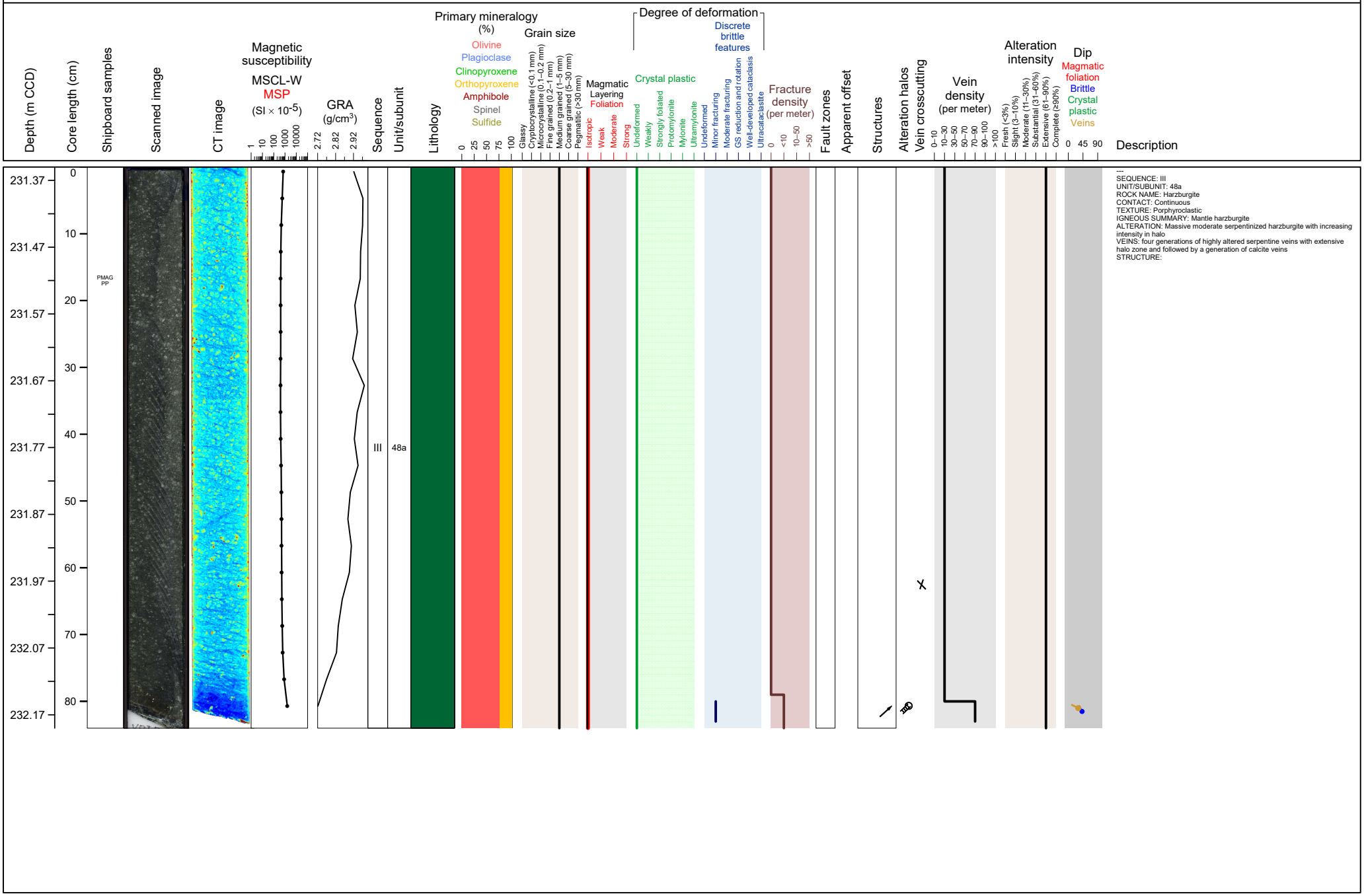
Hole CM2B-102Z Section 4, Top of Section 229.85 (m CCD)



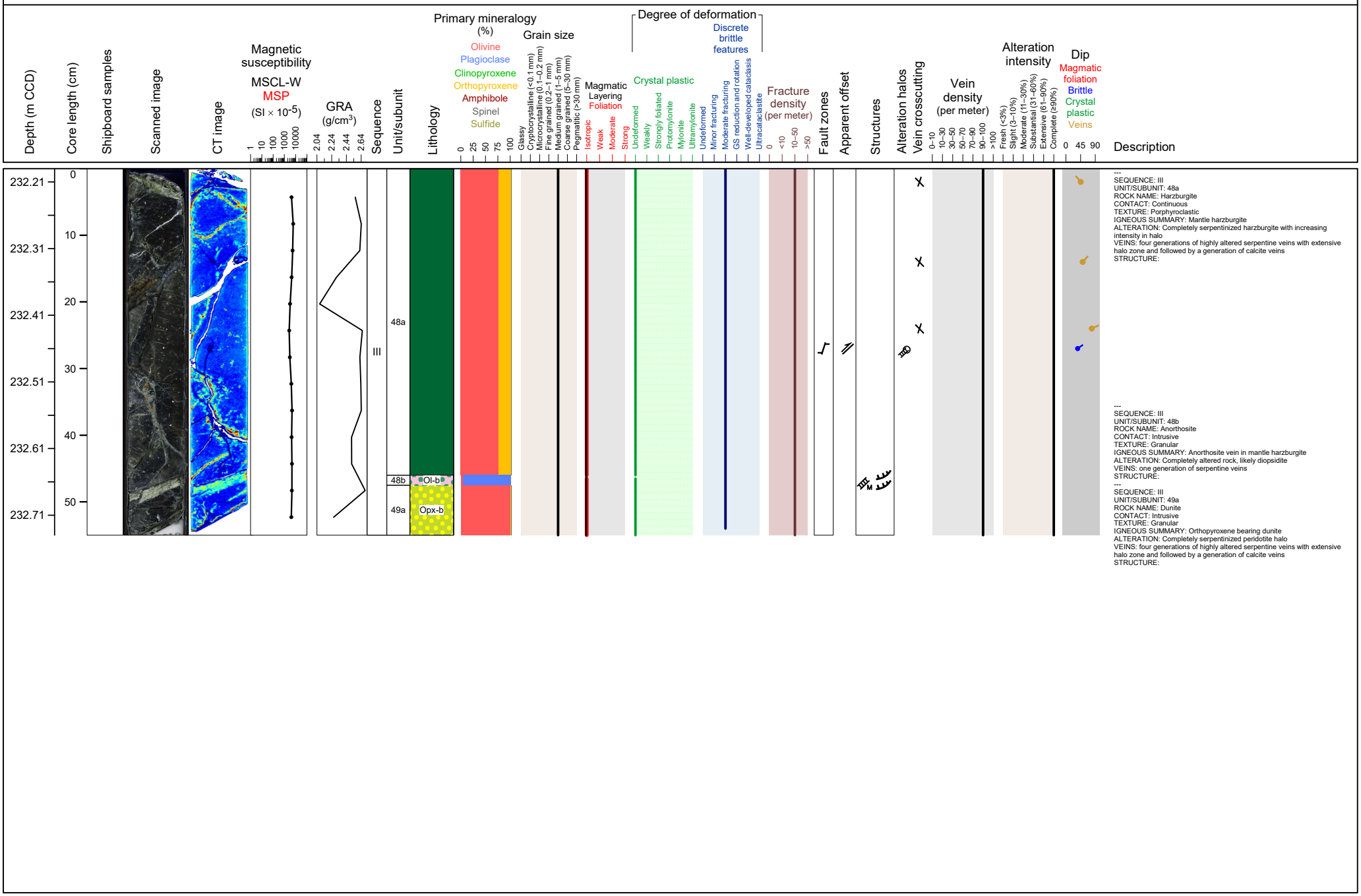
Hole CM2B-103Z Section 1, Top of Section 230.60 (m CCD)



Hole CM2B-103Z Section 2, Top of Section 231.35 (m CCD)



Hole CM2B-103Z Section 3, Top of Section 232.19 (m CCD)

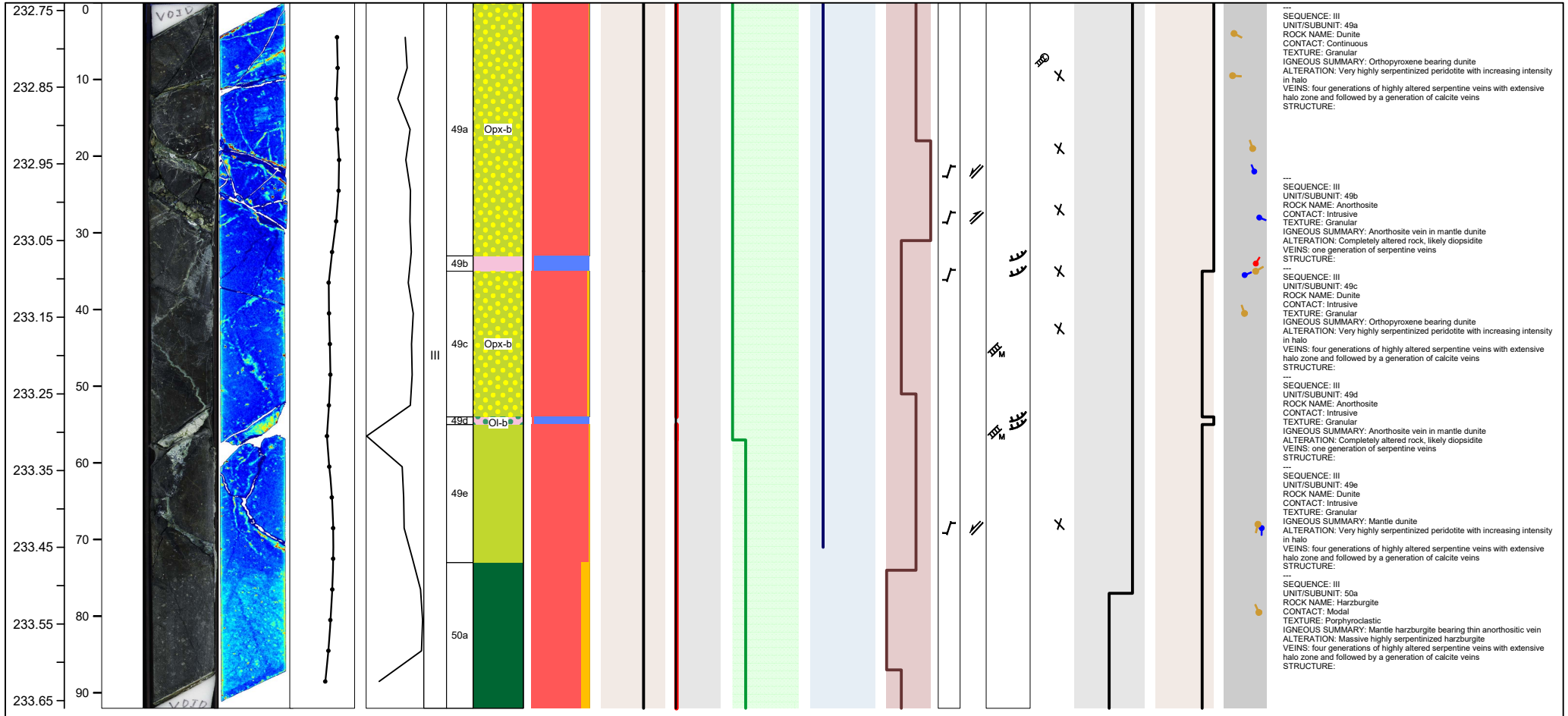


SEQUENCE: III
UNIT/SUBUNIT: 48a
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Completely serpentinized harzburgite with increasing intensity in halo
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 48b
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle harzburgite
ALTERATION: Completely altered rock, likely diopsidite
VEINS: one generation of serpentine veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 49a
ROCK NAME: Dunite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Orthopyroxene bearing dunite
ALTERATION: Completely serpentinized peridotite halo
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-103Z Section 4, Top of Section 232.74 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 49a
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Orthopyroxene bearing dunite
ALTERATION: Very highly serpentinized peridotite with increasing intensity in halo
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 49b
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle dunite
ALTERATION: Completely altered rock, likely diopsidite
VEINS: one generation of serpentine veins
STRUCTURE:

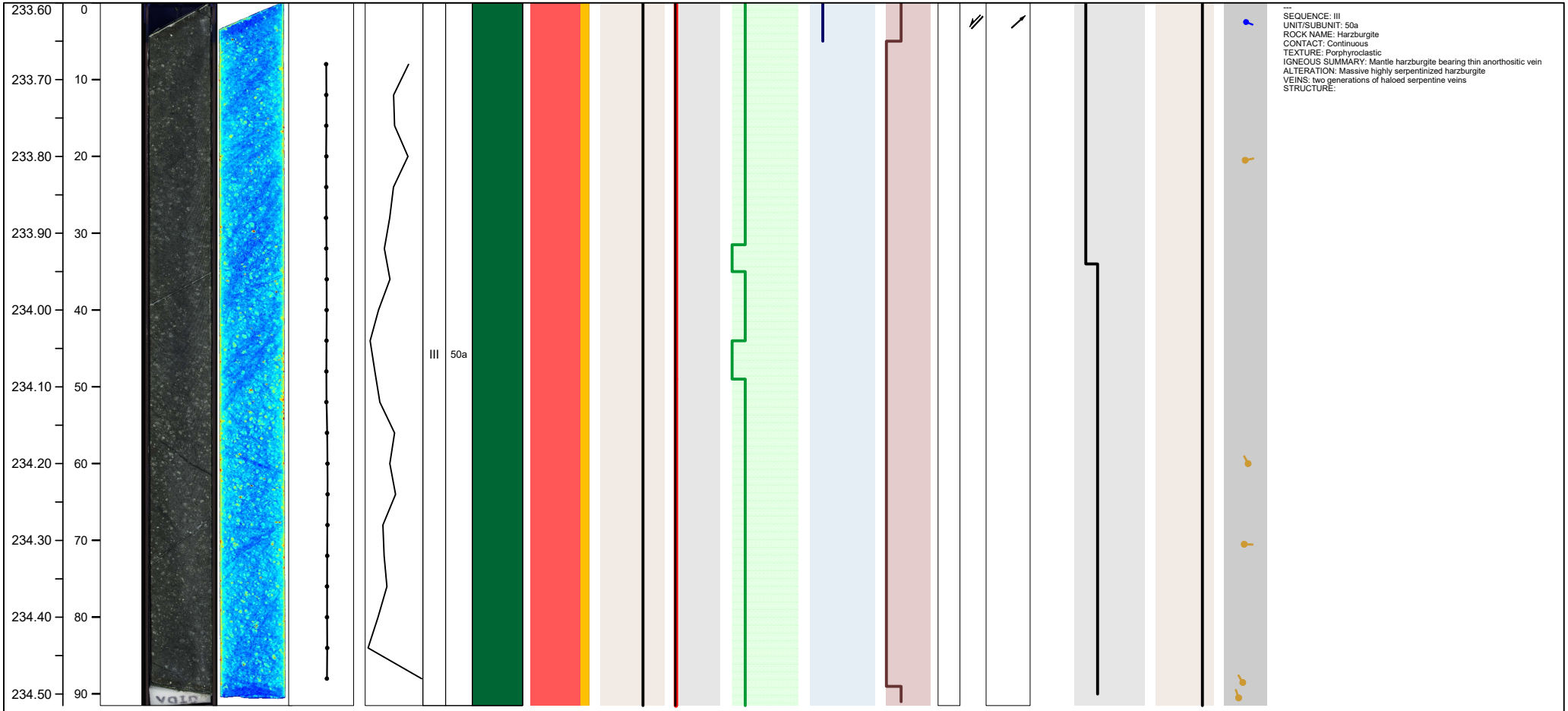
SEQUENCE: III
UNIT/SUBUNIT: 49c
ROCK NAME: Dunite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Orthopyroxene bearing dunite
ALTERATION: Very highly serpentinized peridotite with increasing intensity in halo
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 49d
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle dunite
ALTERATION: Completely altered rock, likely diopsidite
VEINS: one generation of serpentine veins
STRUCTURE:

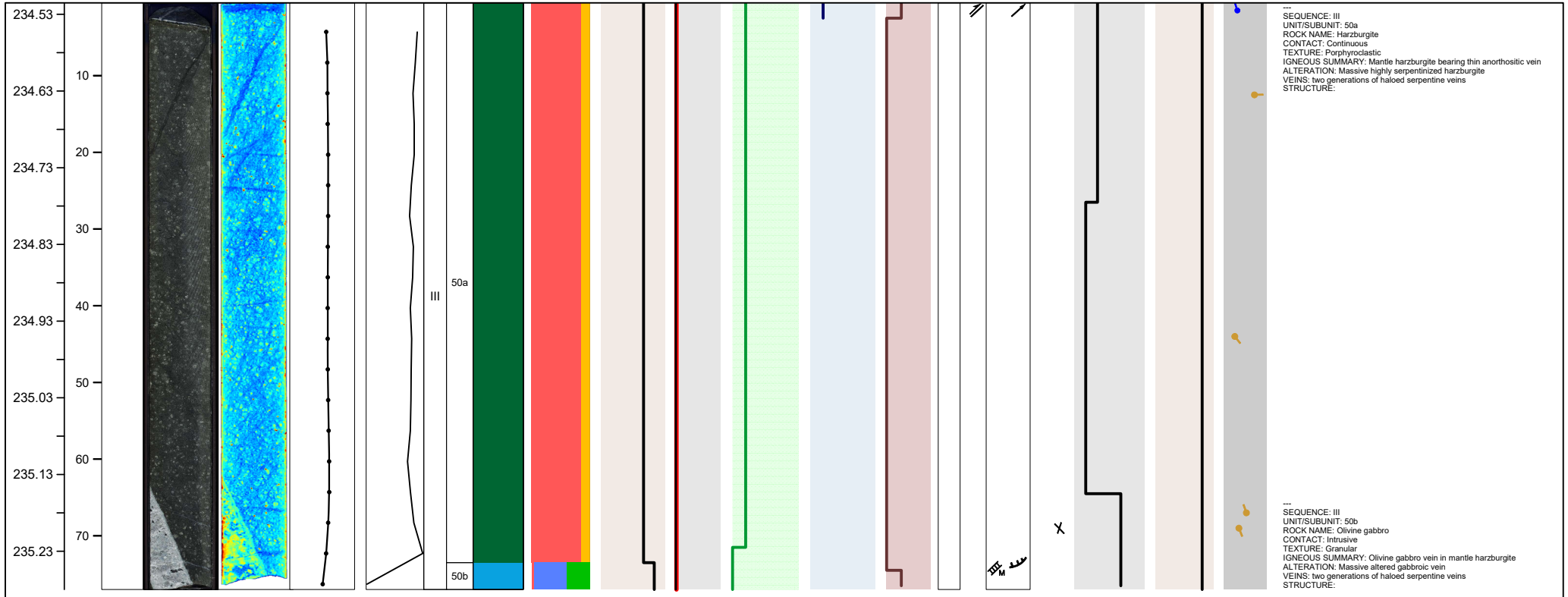
SEQUENCE: III
UNIT/SUBUNIT: 49e
ROCK NAME: Dunite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Mantle dunite
ALTERATION: Very highly serpentinized peridotite with increasing intensity in halo
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 50a
ROCK NAME: Harzburgite
CONTACT: Modal
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite bearing thin anorthositic vein
ALTERATION: Massive highly serpentinized harzburgite
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

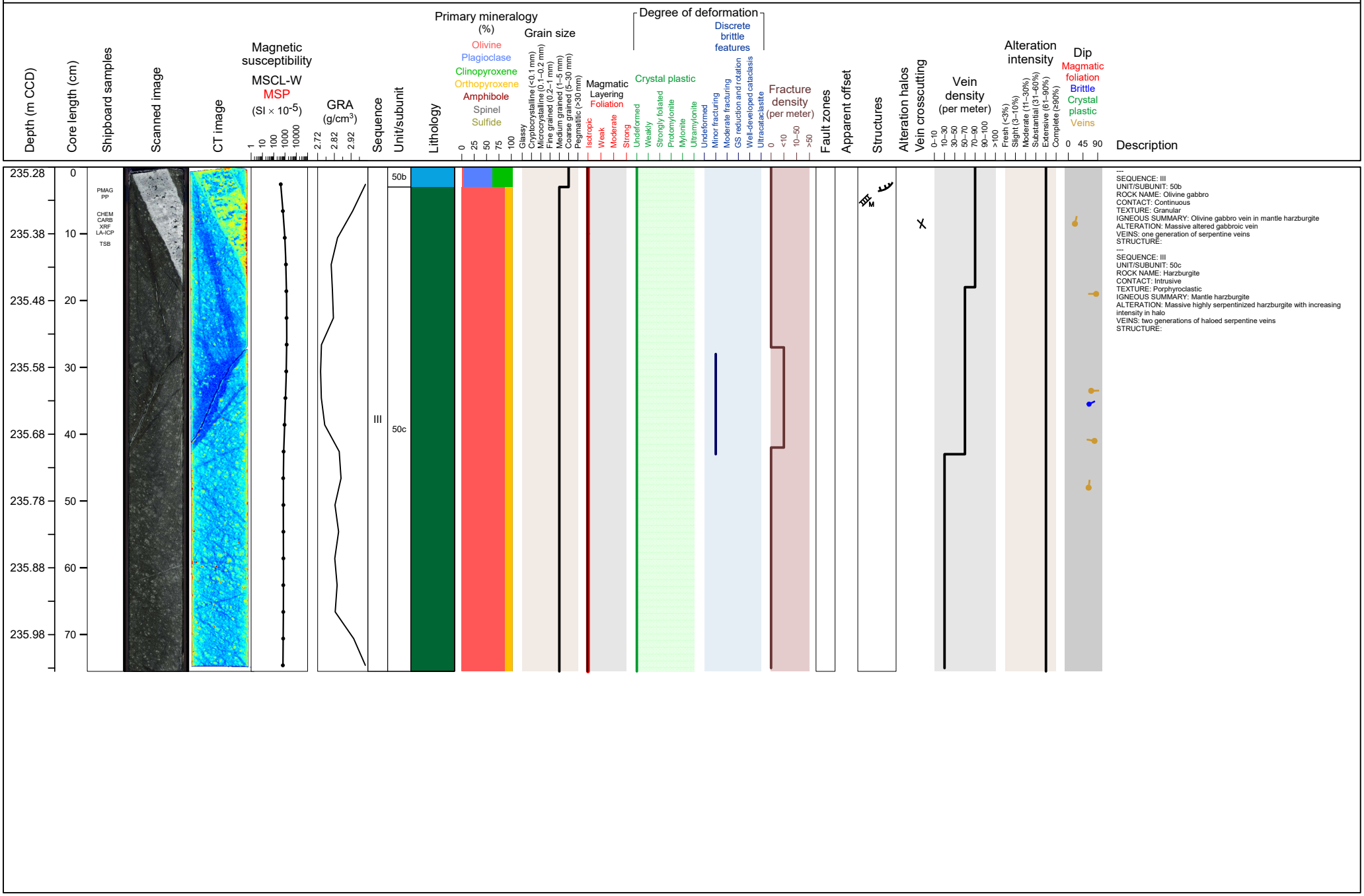
Hole CM2B-104Z Section 1, Top of Section 233.60 (m CCD)



Hole CM2B-104Z Section 2, Top of Section 234.52 (m CCD)



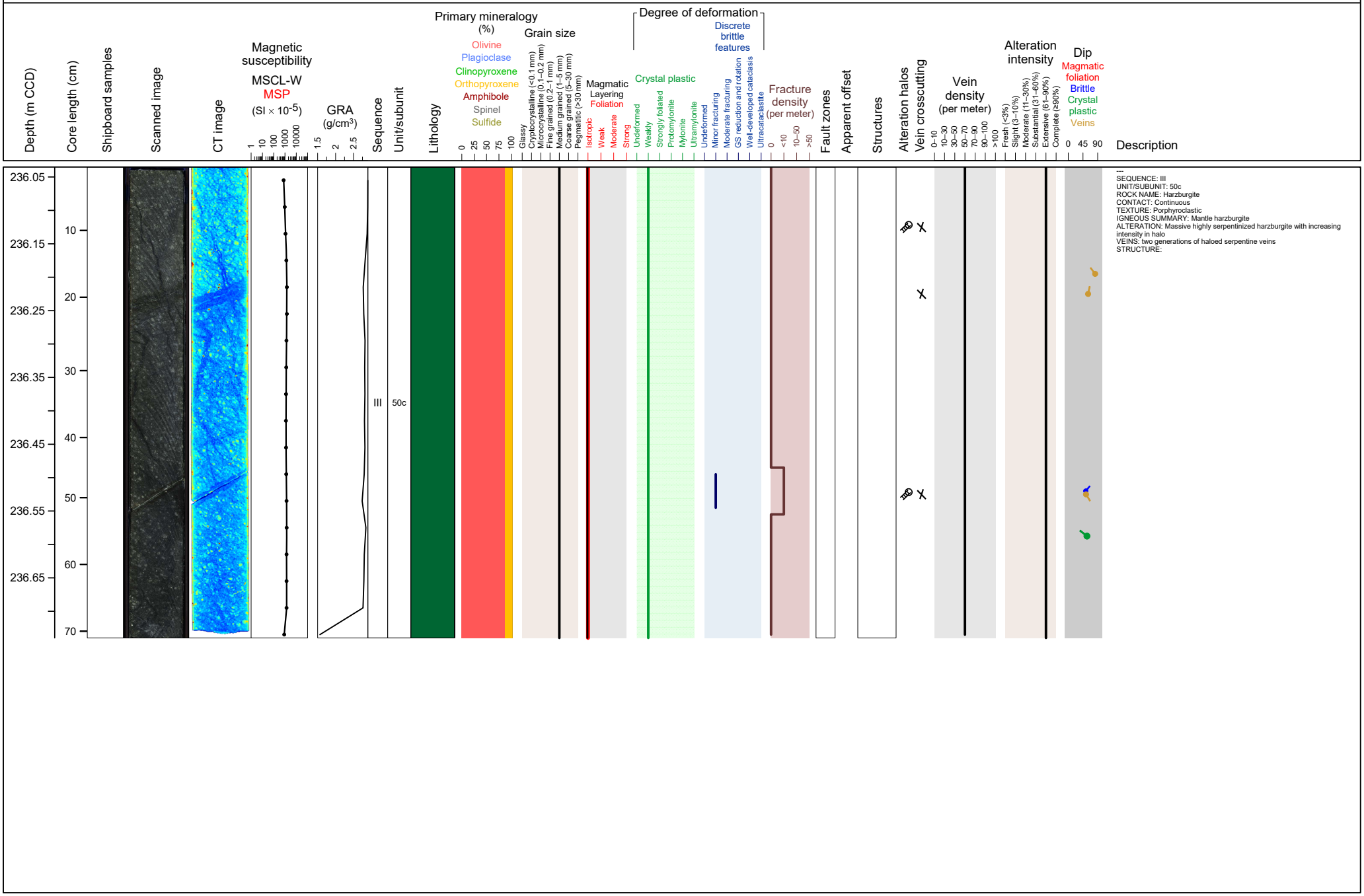
Hole CM2B-104Z Section 3, Top of Section 235.28 (m CCD)



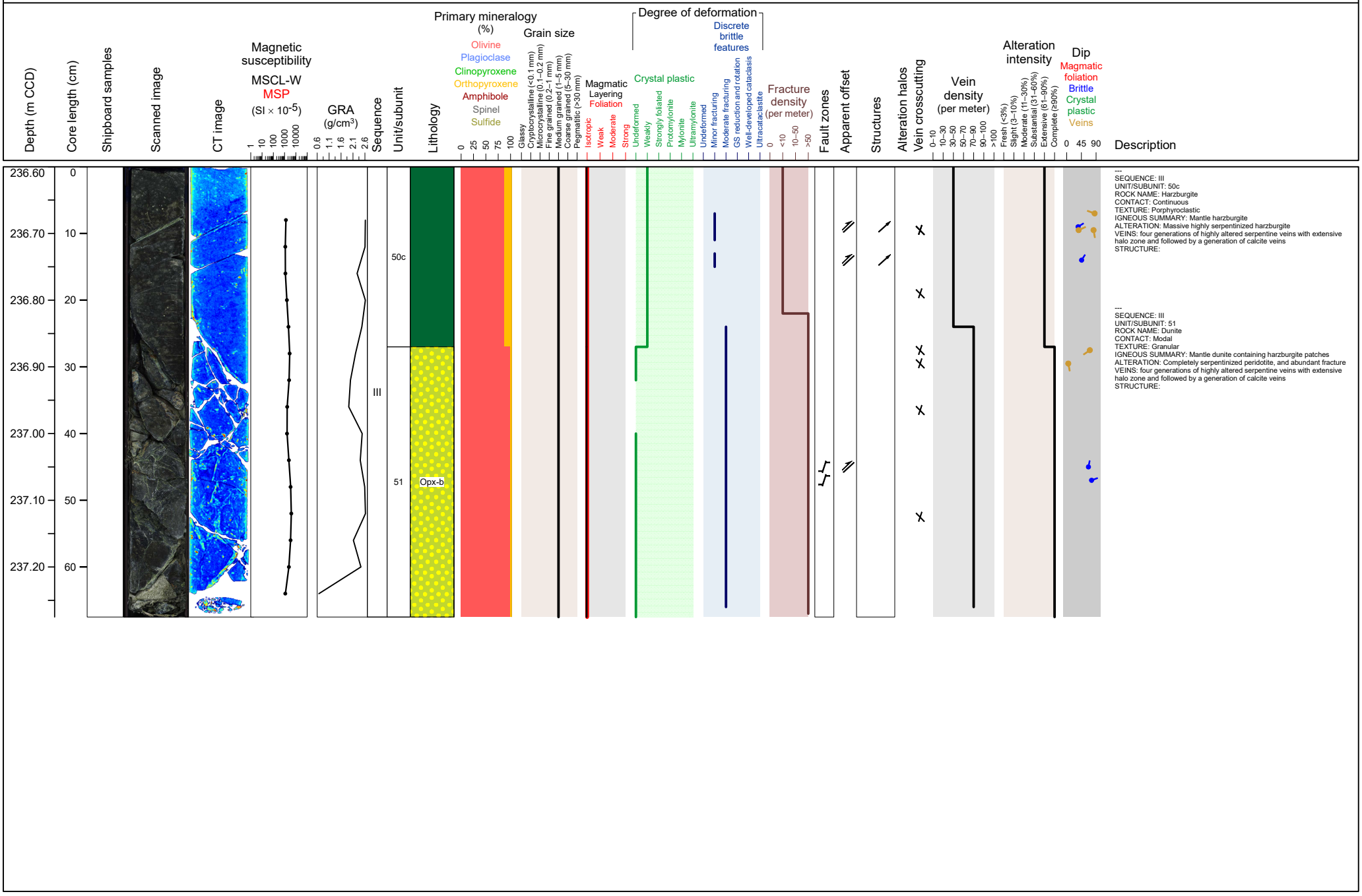
SEQUENCE: III
UNIT/SUBUNIT: 50b
ROCK NAME: Olivine gabbro
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Olivine gabbro vein in mantle harzburgite
ALTERATION: Massive altered gabbroic vein
VEINS: one generation of serpentine veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 50c
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: two generations of haloed serpentine veins
STRUCTURE:

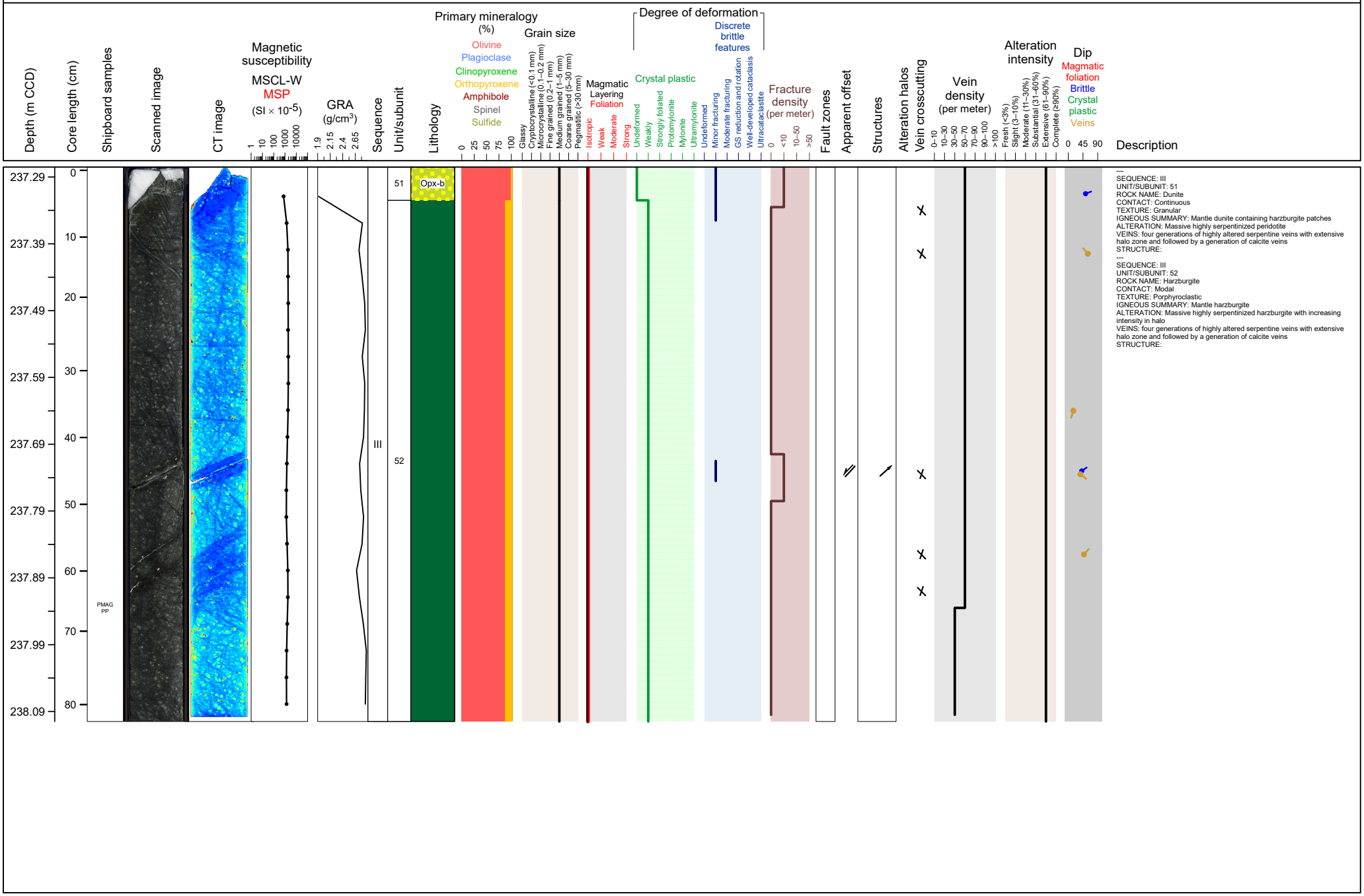
Hole CM2B-104Z Section 4, Top of Section 236.04 (m CCD)



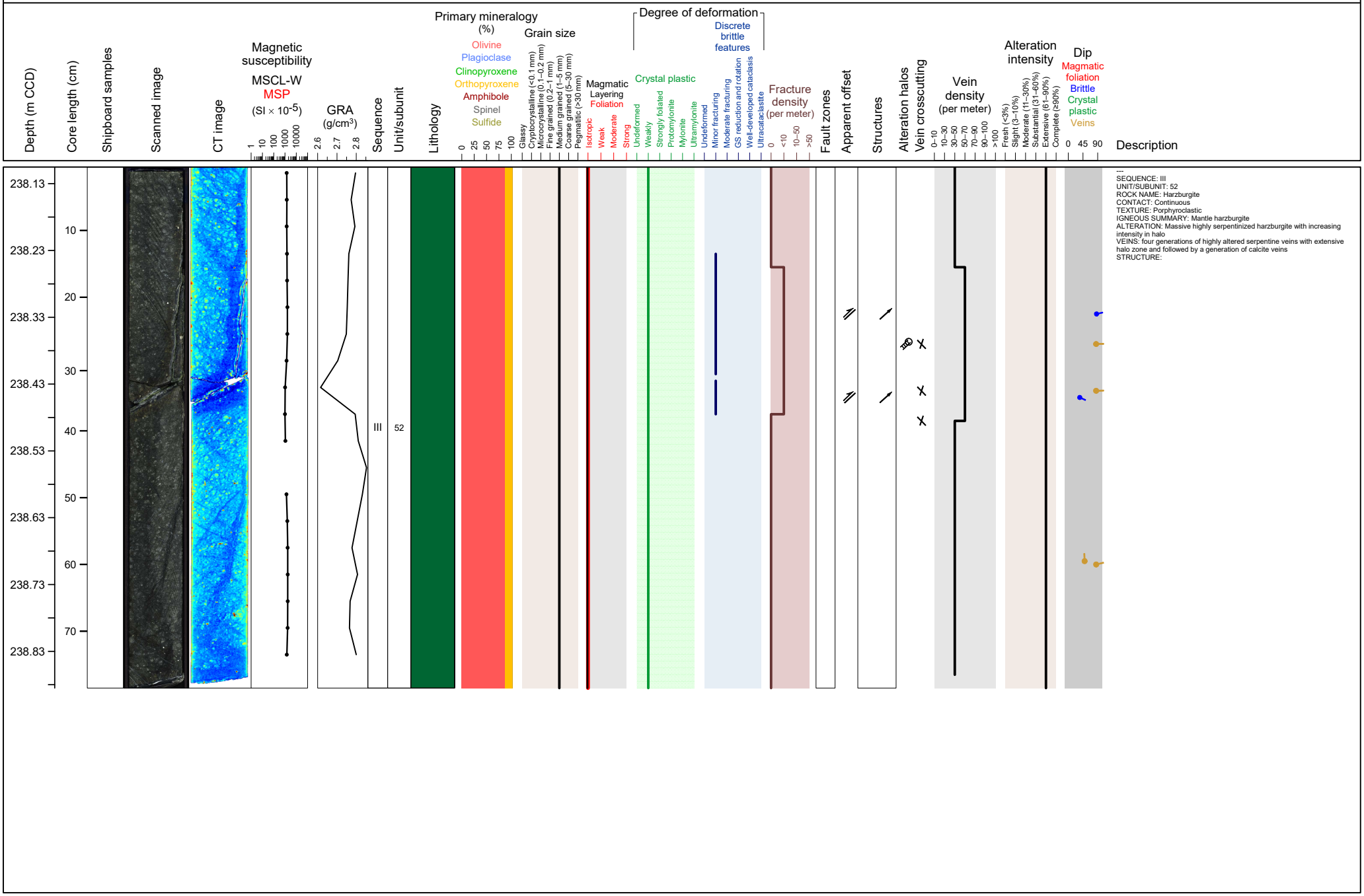
Hole CM2B-105Z Section 1, Top of Section 236.60 (m CCD)



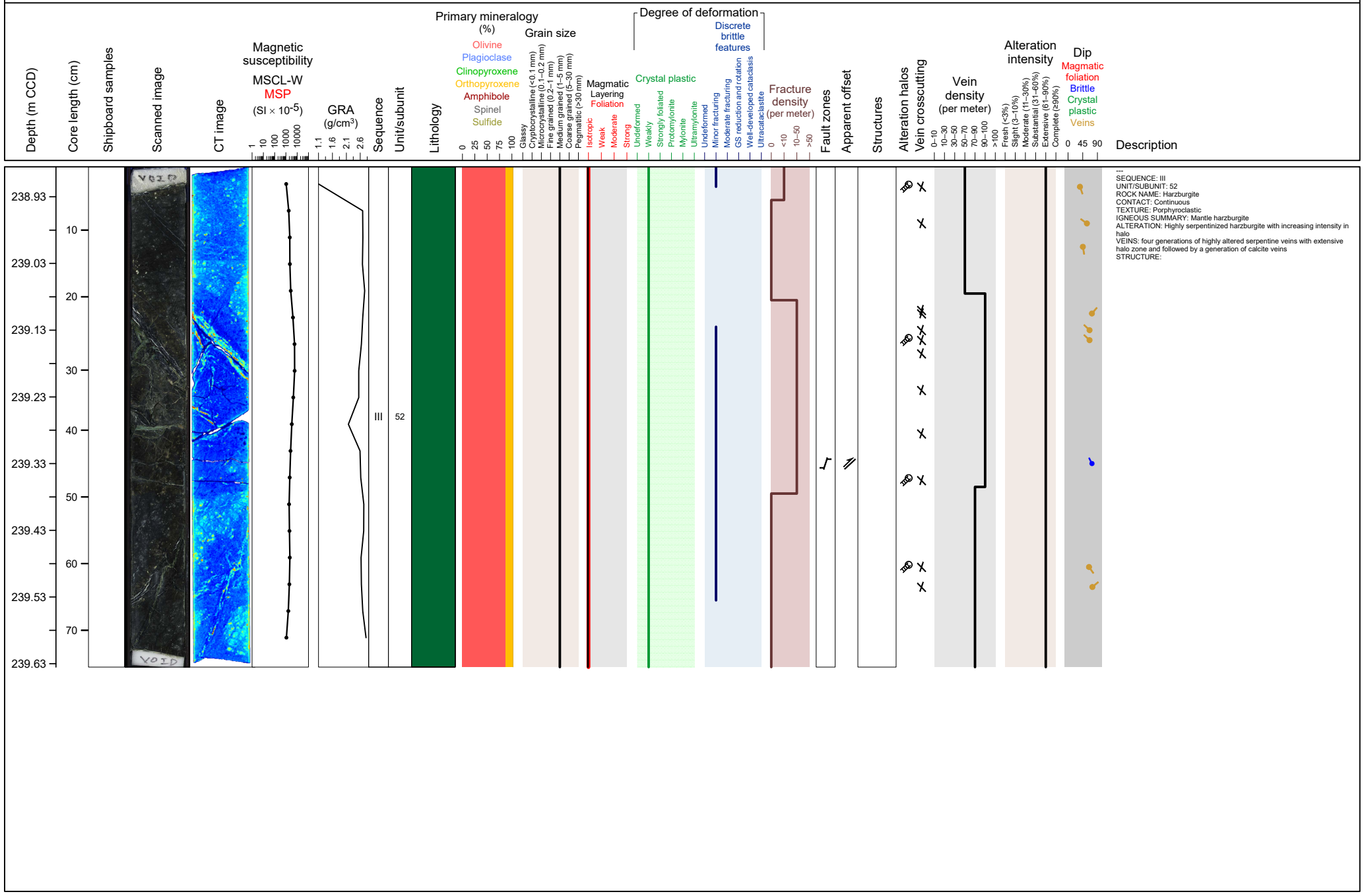
Hole CM2B-105Z Section 2, Top of Section 237.28 (m CCD)



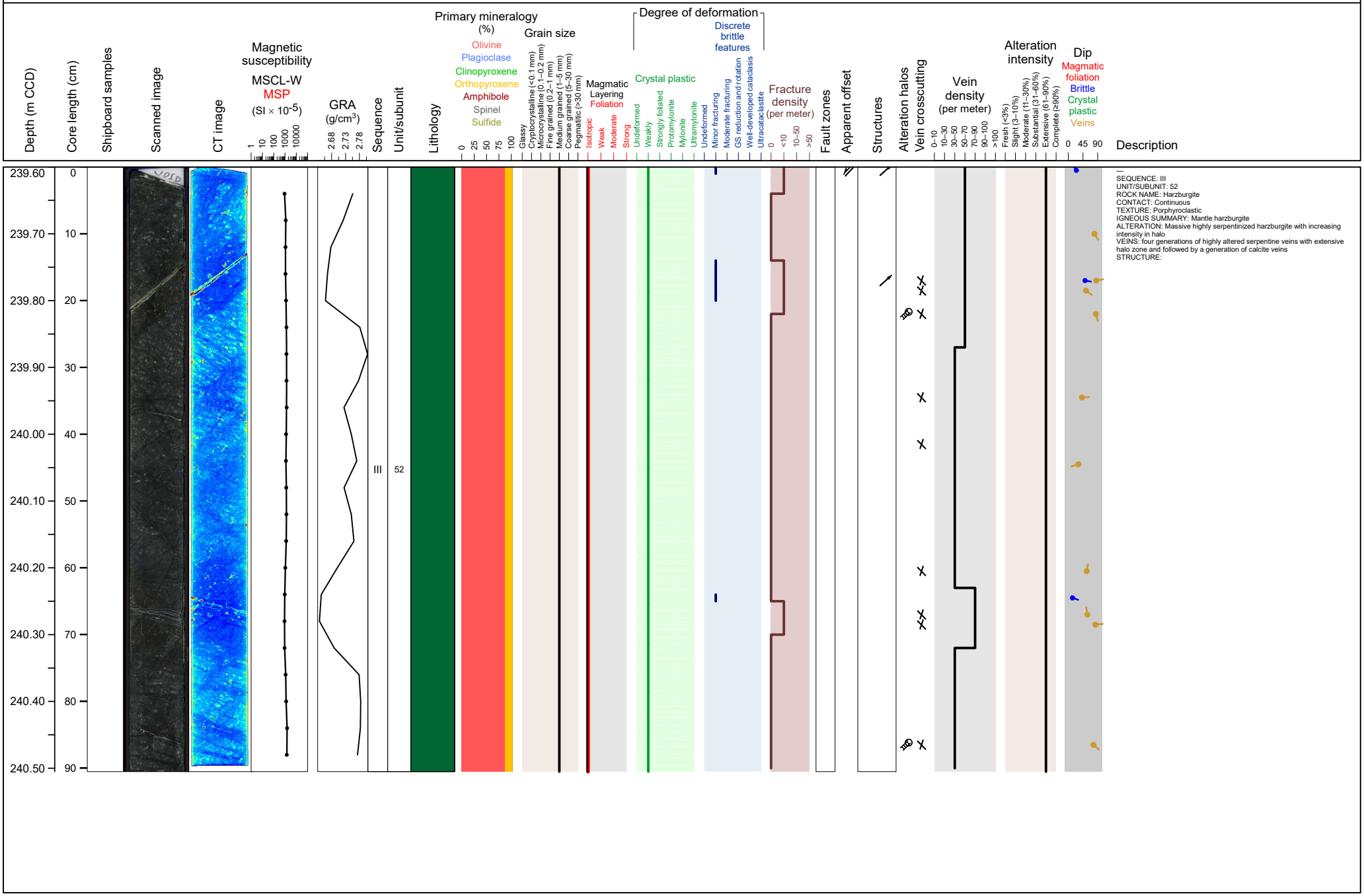
Hole CM2B-105Z Section 3, Top of Section 238.11 (m CCD)



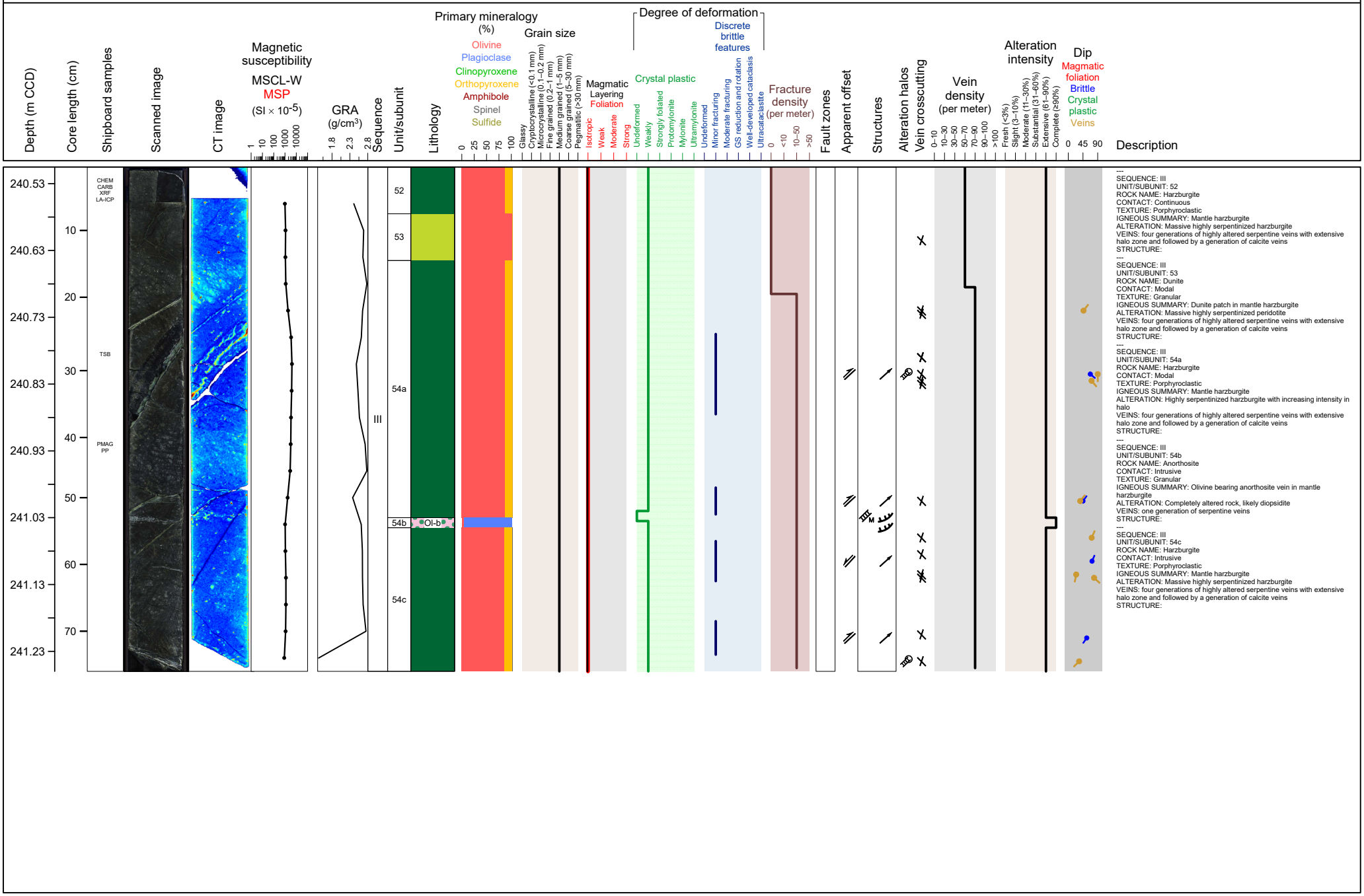
Hole CM2B-105Z Section 4, Top of Section 238.89 (m CCD)



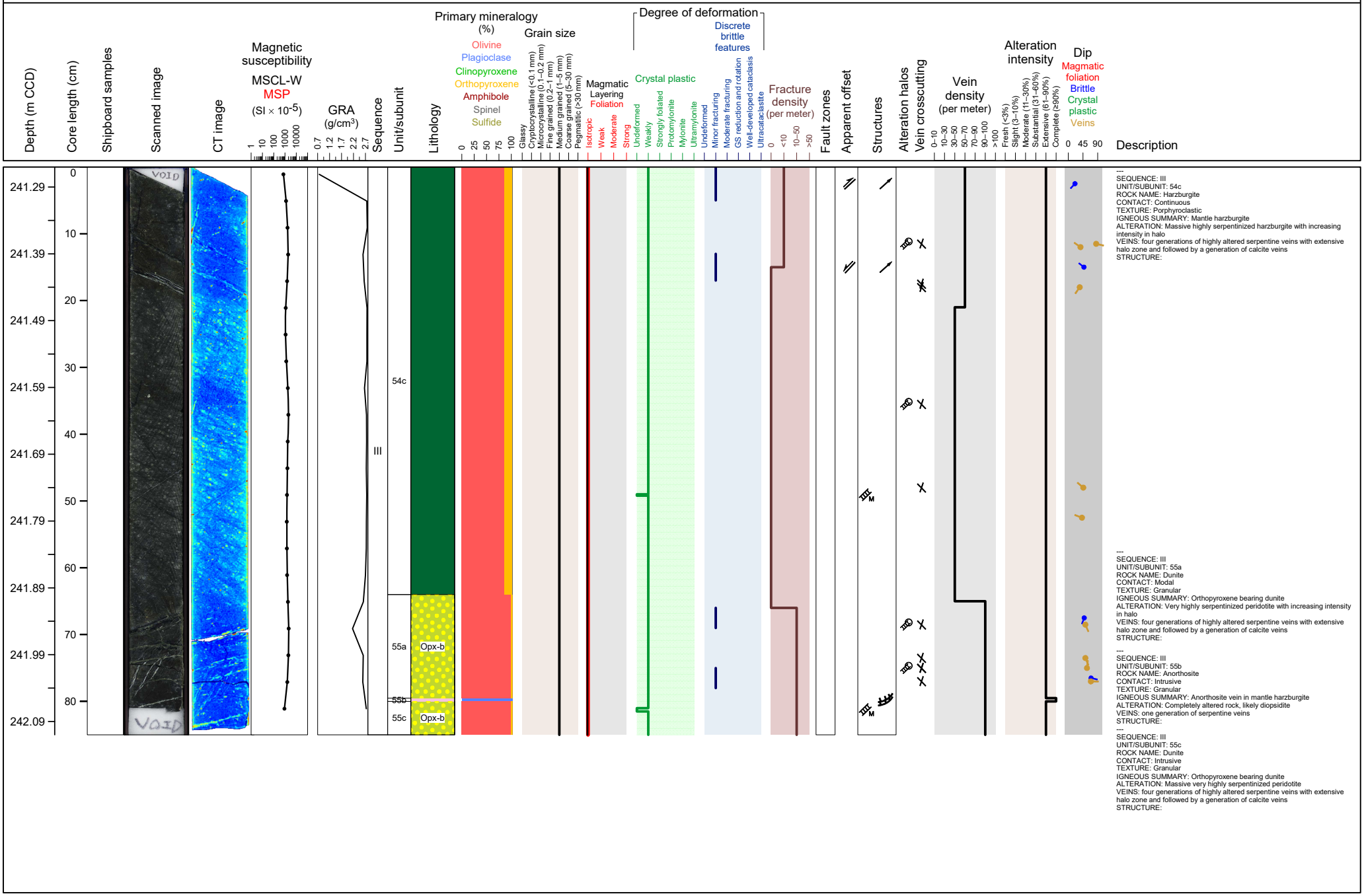
Hole CM2B-106Z Section 1, Top of Section 239.60 (m CCD)



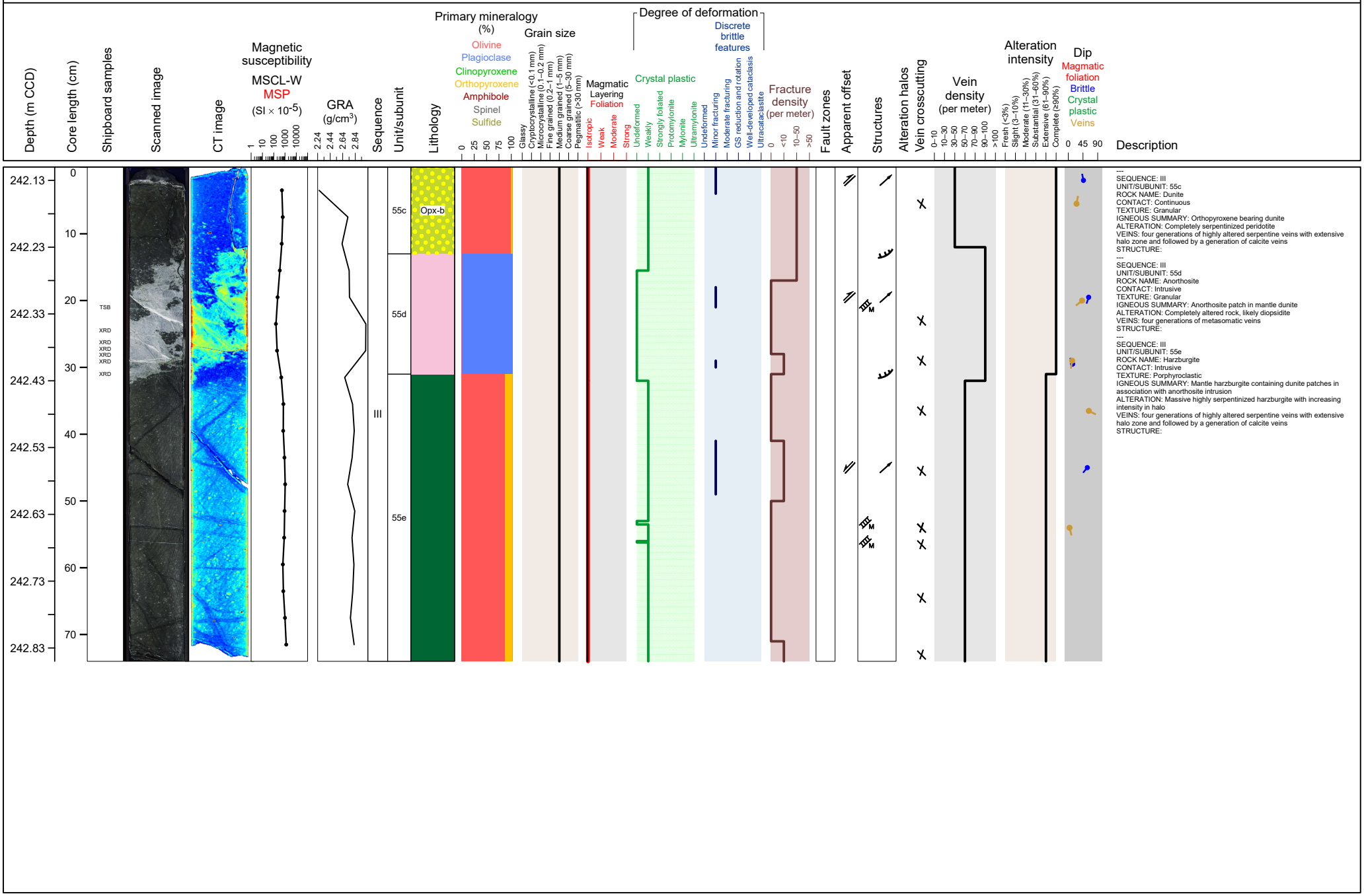
Hole CM2B-106Z Section 2, Top of Section 240.51 (m CCD)



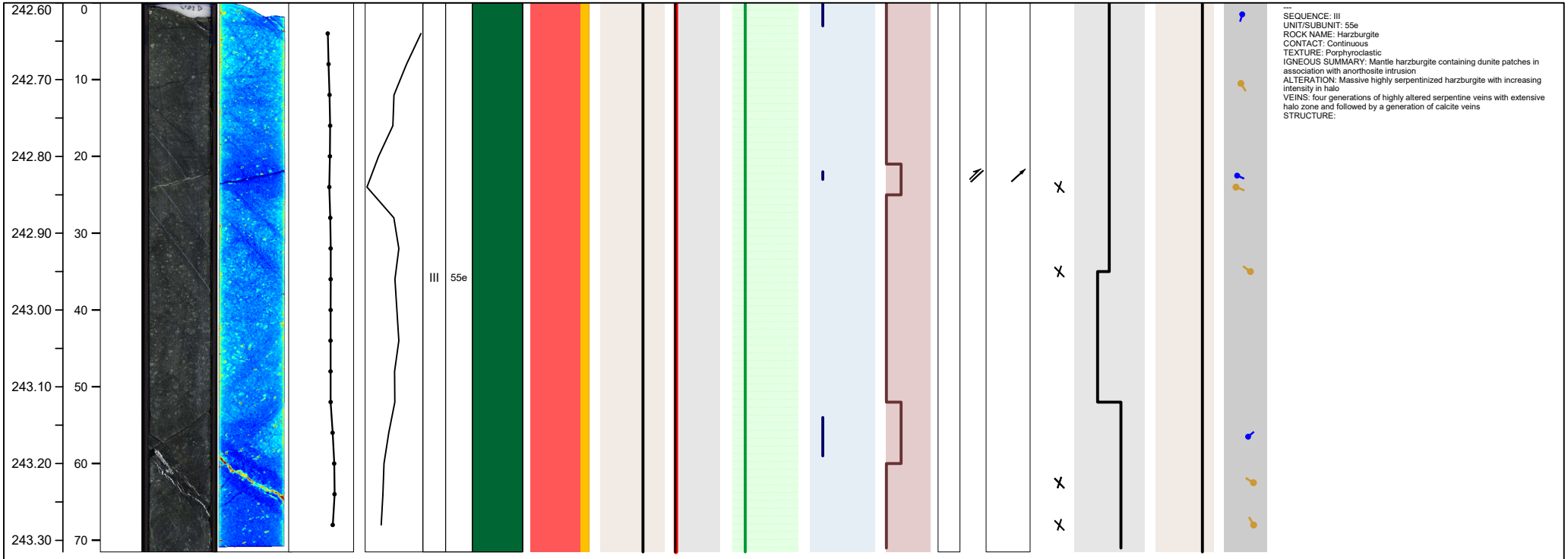
Hole CM2B-106Z Section 3, Top of Section 241.26 (m CCD)



Hole CM2B-106Z Section 4, Top of Section 242.11 (m CCD)

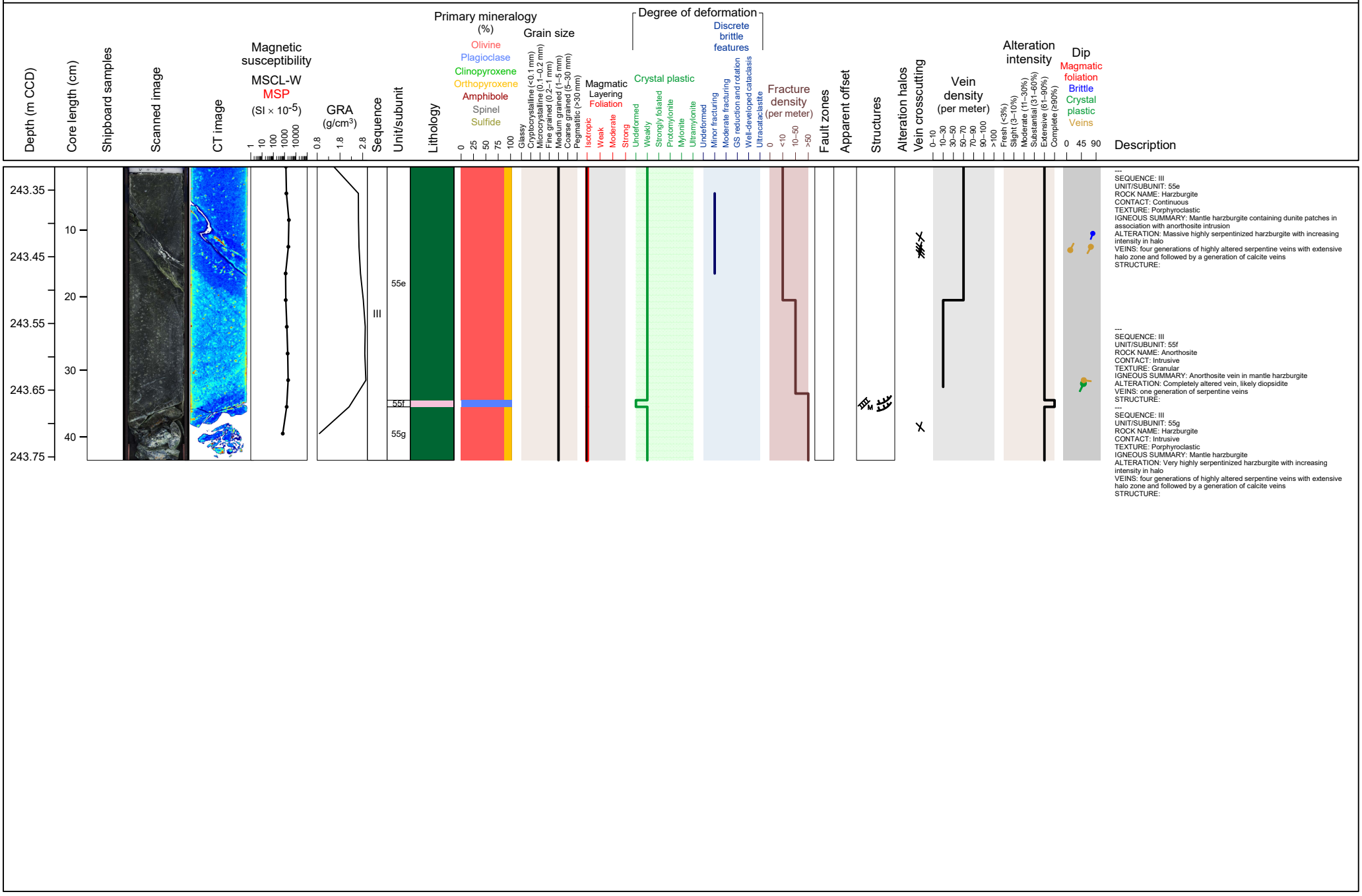


Hole CM2B-107Z Section 1, Top of Section 242.60 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 55e
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite containing dunite patches in association with anorthosite intrusion
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-107Z Section 2, Top of Section 243.32 (m CCD)

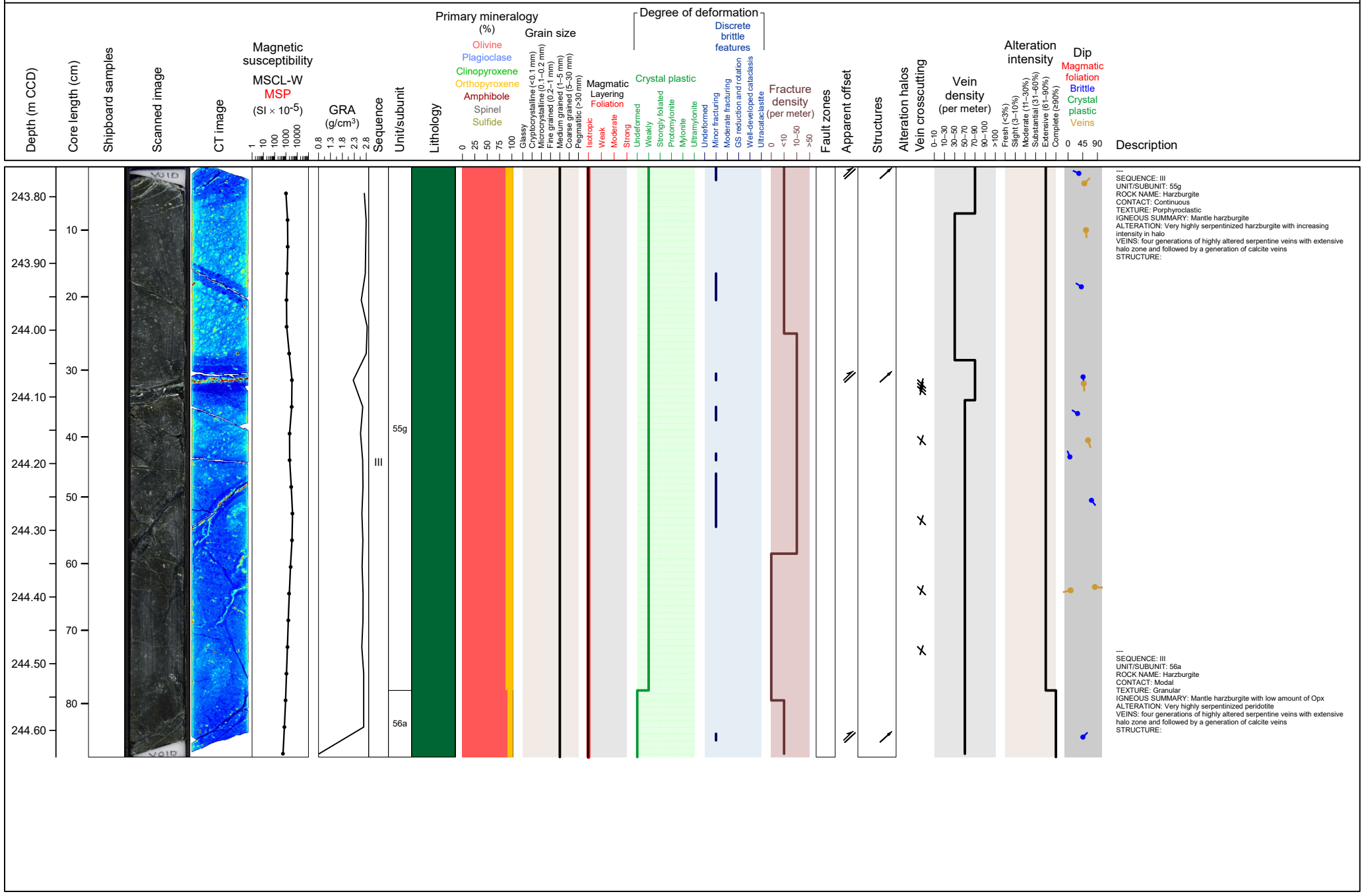


SEQUENCE: III
UNIT/SUBUNIT: 55e
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite containing dunite patches in association with anorthosite intrusion
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

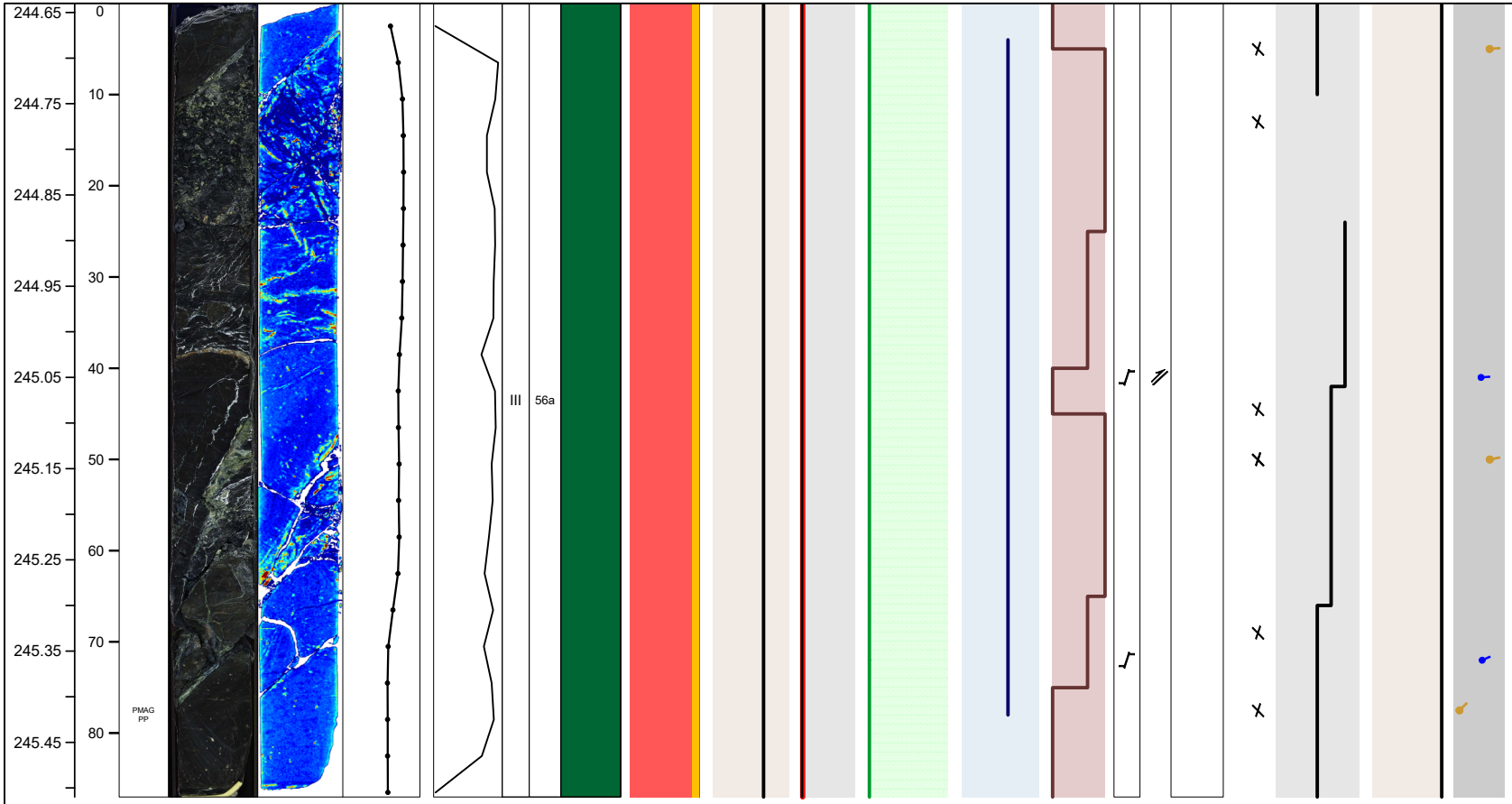
SEQUENCE: III
UNIT/SUBUNIT: 55f
ROCK NAME: Anorthosite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Anorthosite vein in mantle harzburgite
ALTERATION: Completely altered vein, likely diopsidite
VEINS: one generation of serpentine veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 55g
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Very highly serpentinized harzburgite with increasing intensity in halo
VEINS: four generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

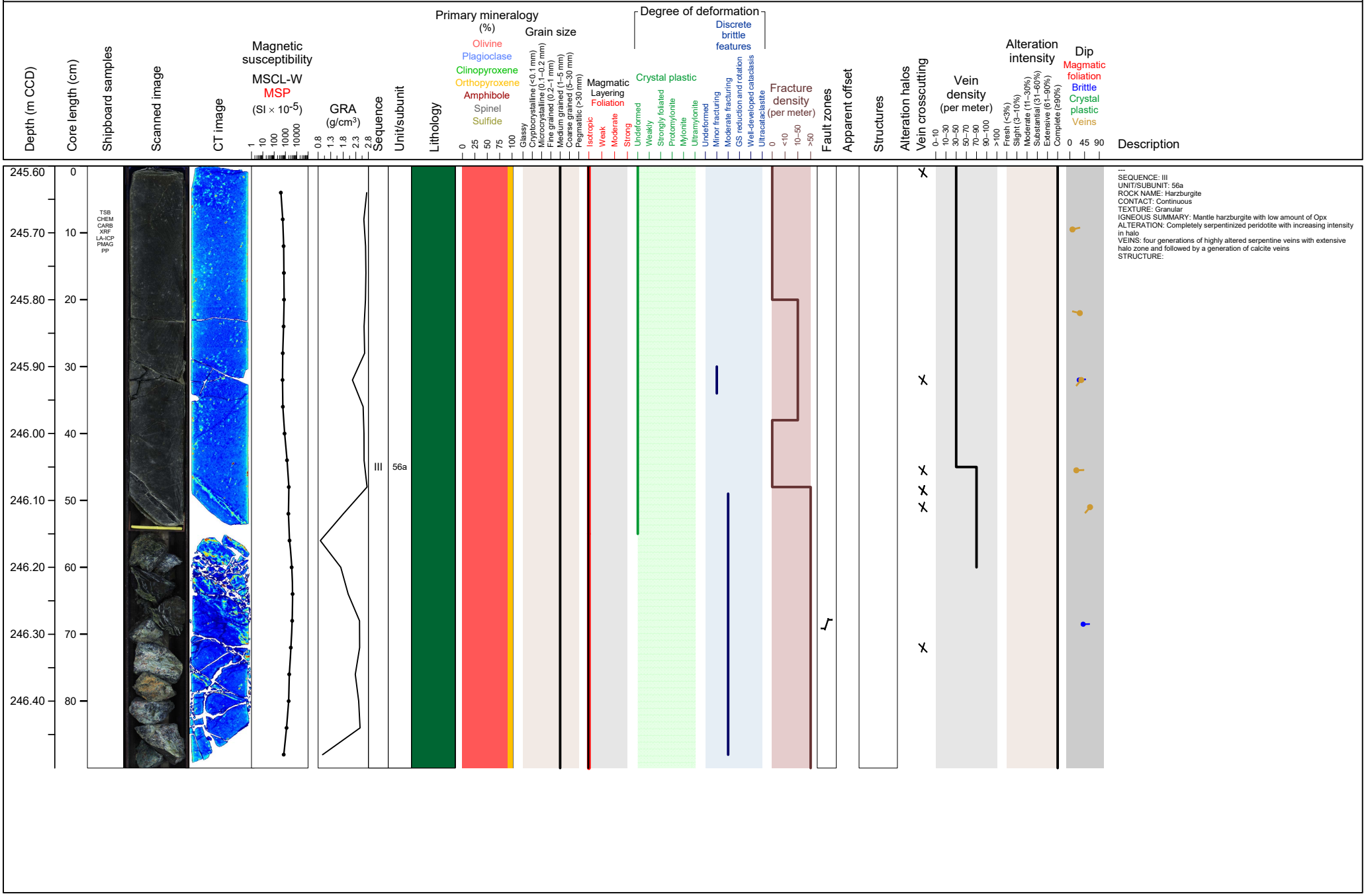
Hole CM2B-107Z Section 3, Top of Section 243.76 (m CCD)



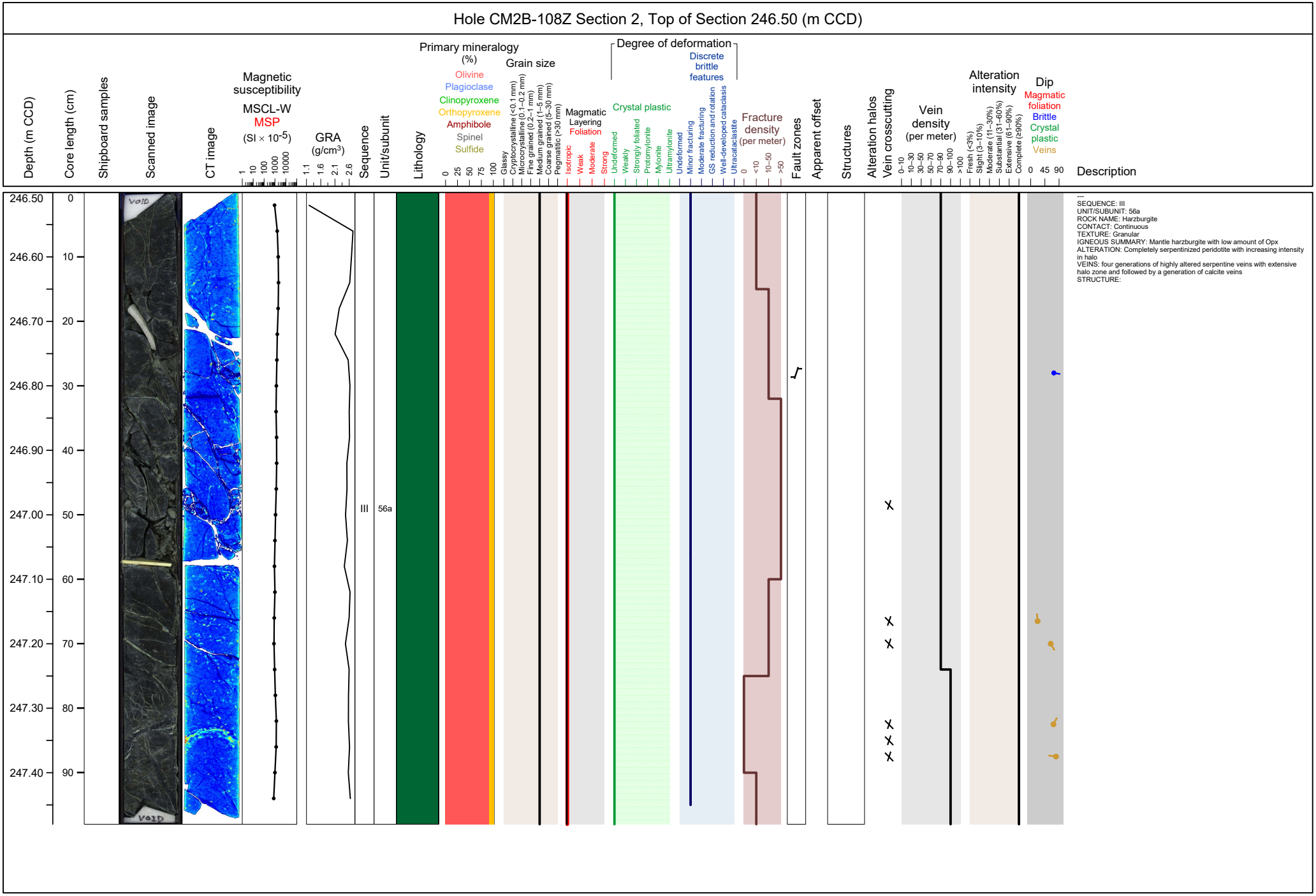
Hole CM2B-107Z Section 4, Top of Section 244.64 (m CCD)



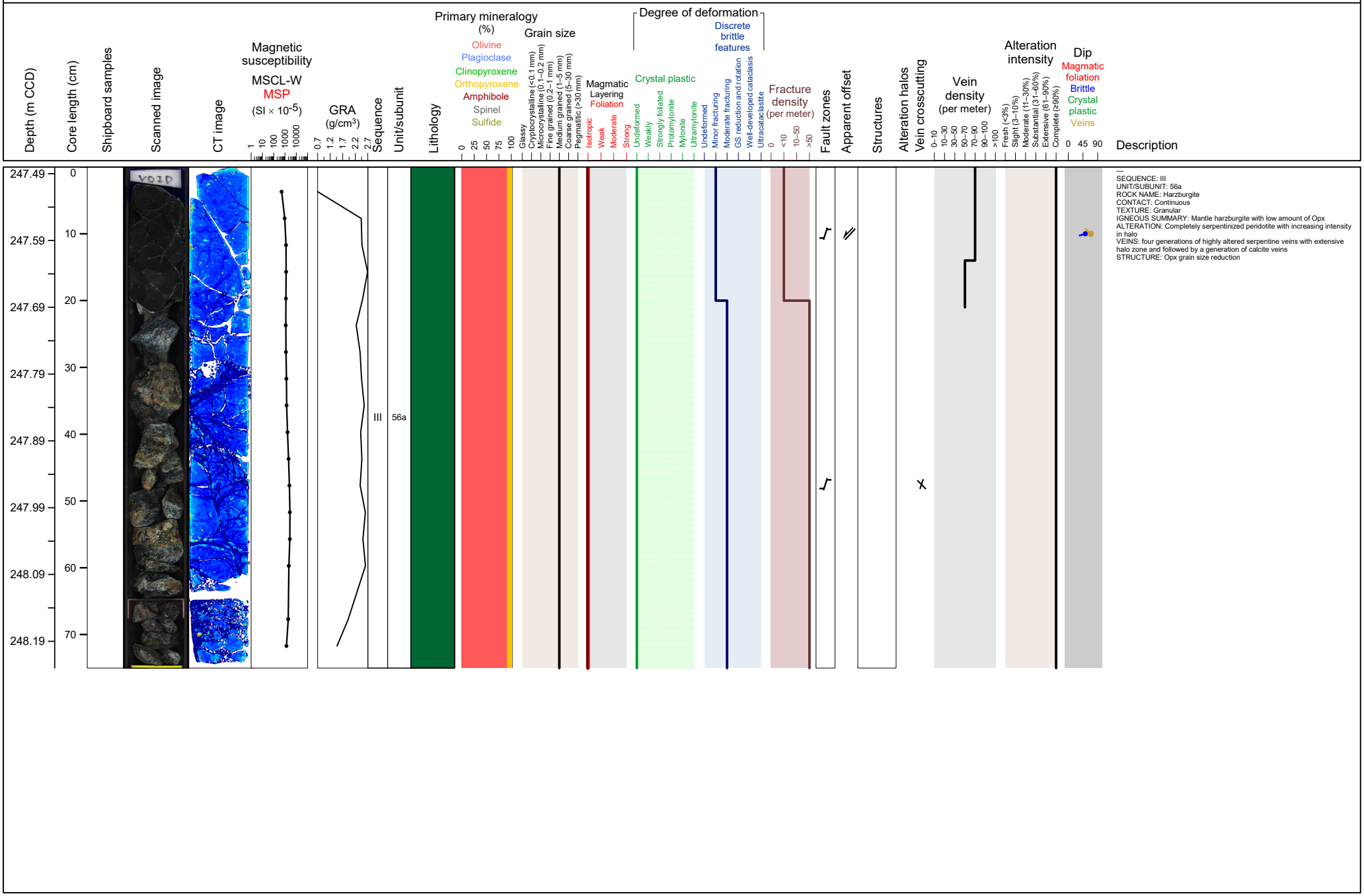
Hole CM2B-108Z Section 1, Top of Section 245.60 (m CCD)



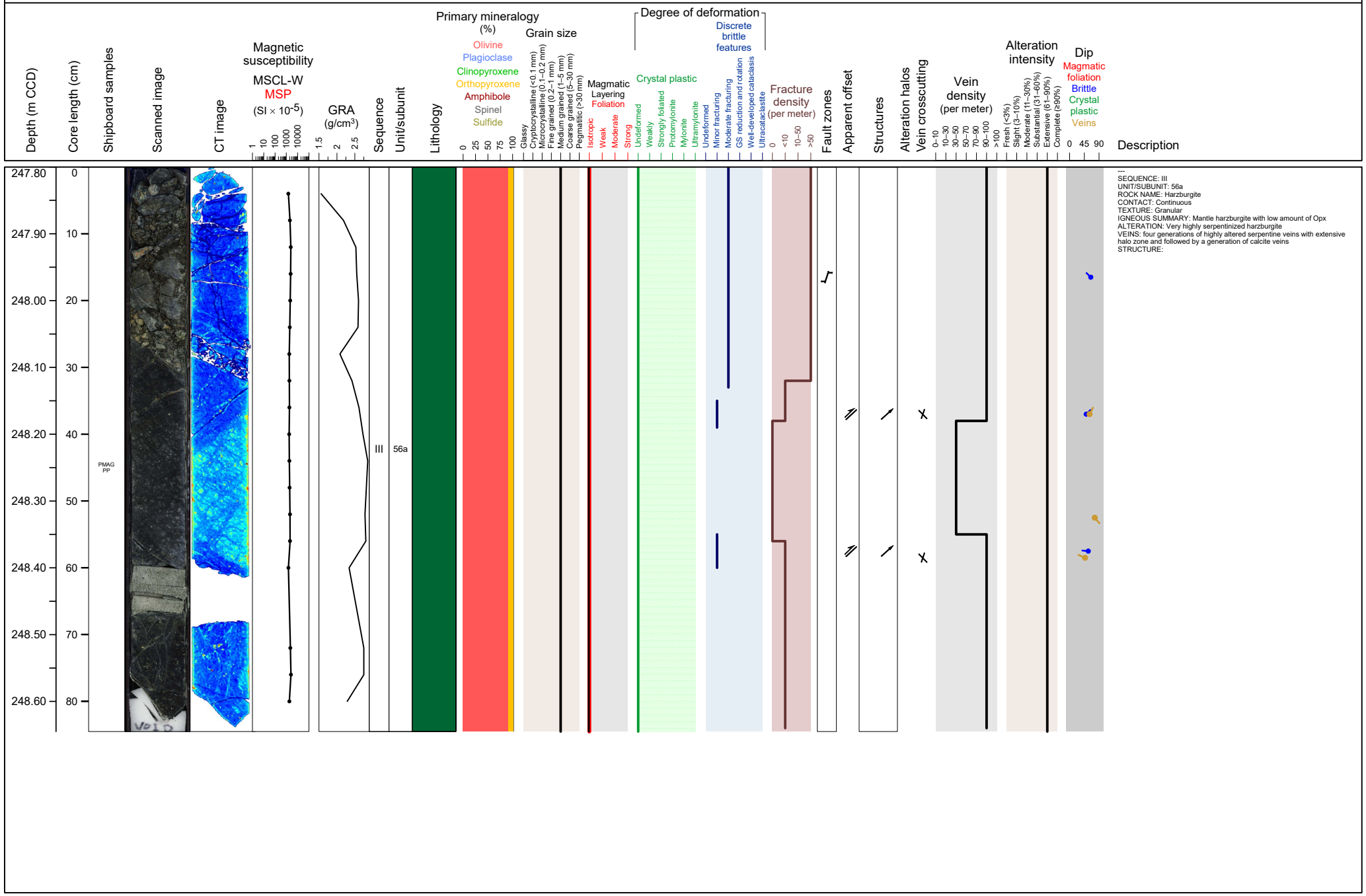
Hole CM2B-108Z Section 2, Top of Section 246.50 (m CCD)



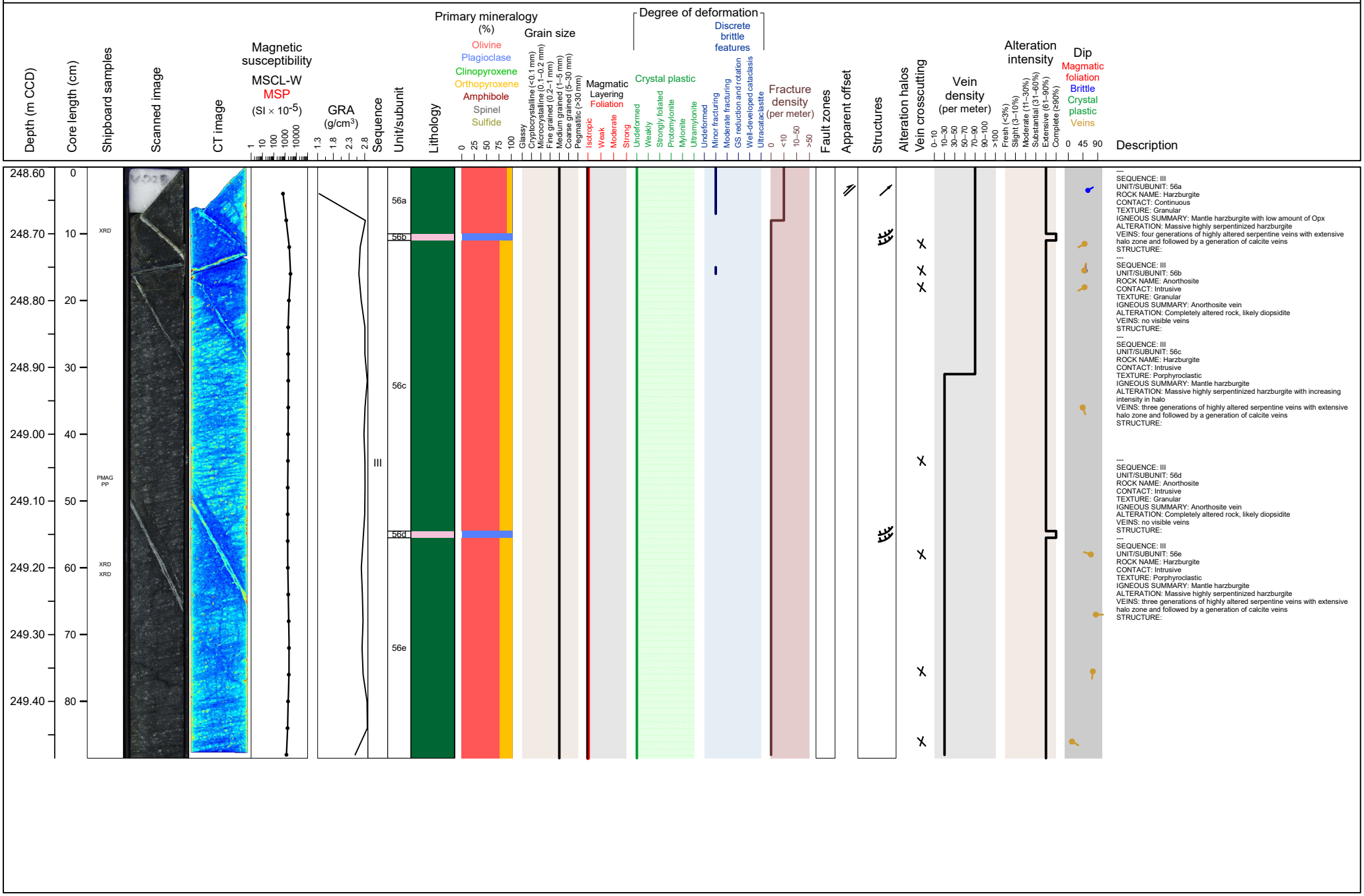
Hole CM2B-108Z Section 3, Top of Section 247.48 (m CCD)



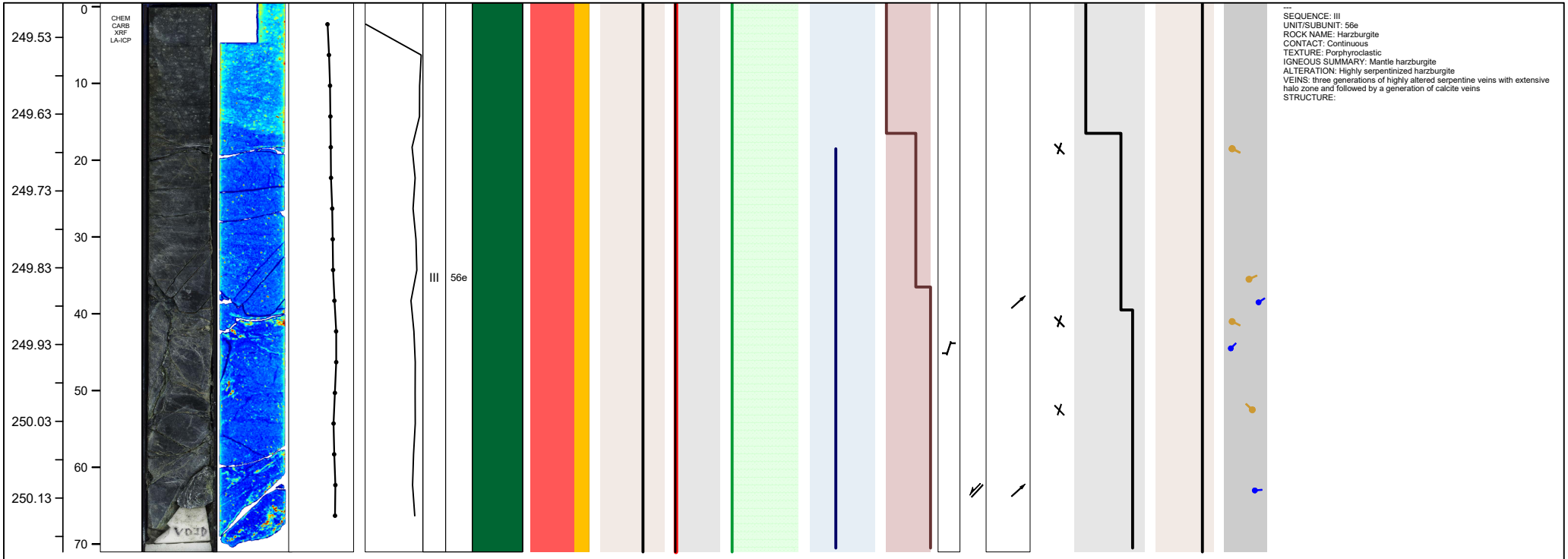
Hole CM2B-109Z Section 1, Top of Section 247.80 (m CCD)



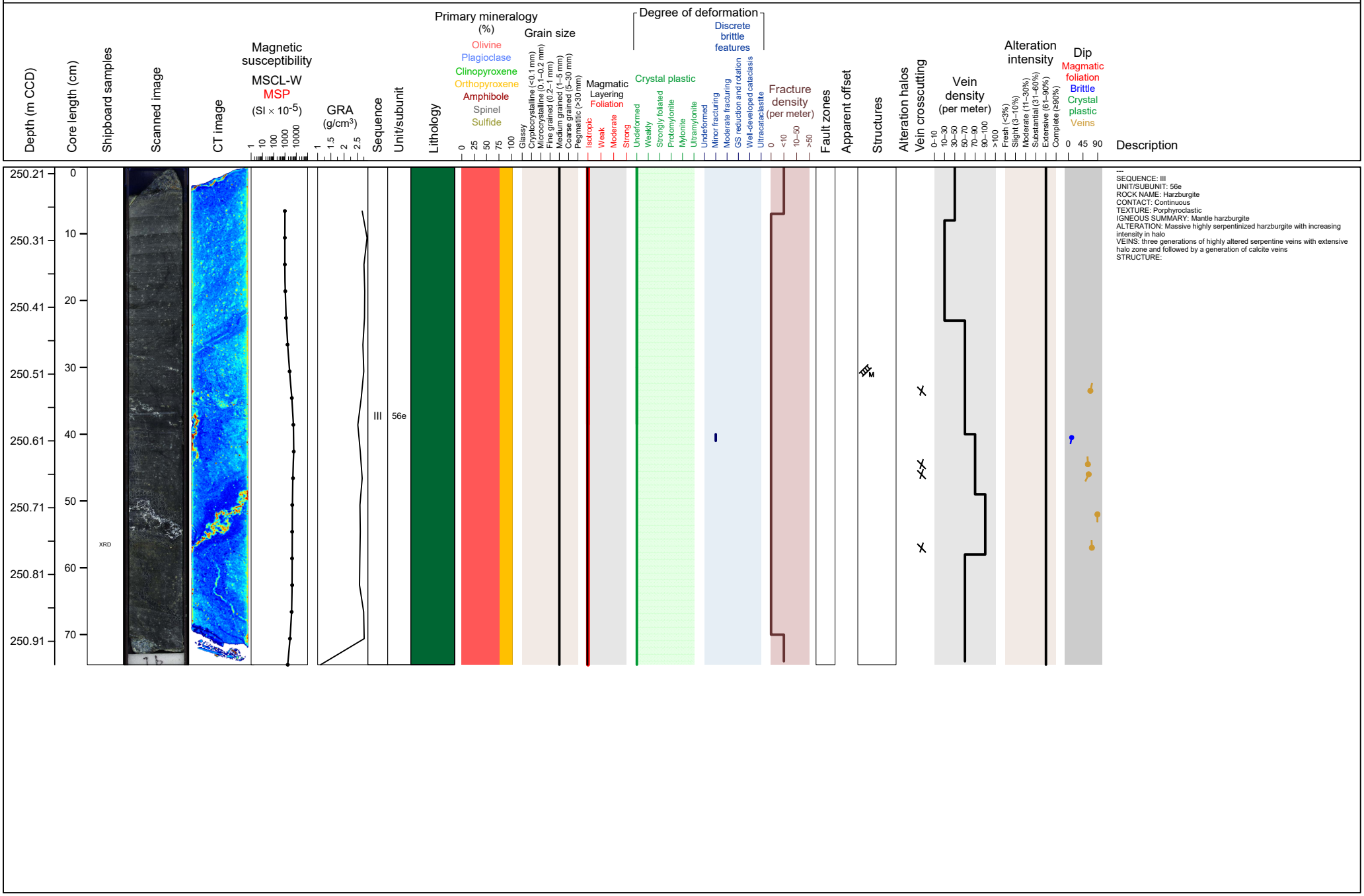
Hole CM2B-110Z Section 1, Top of Section 248.60 (m CCD)



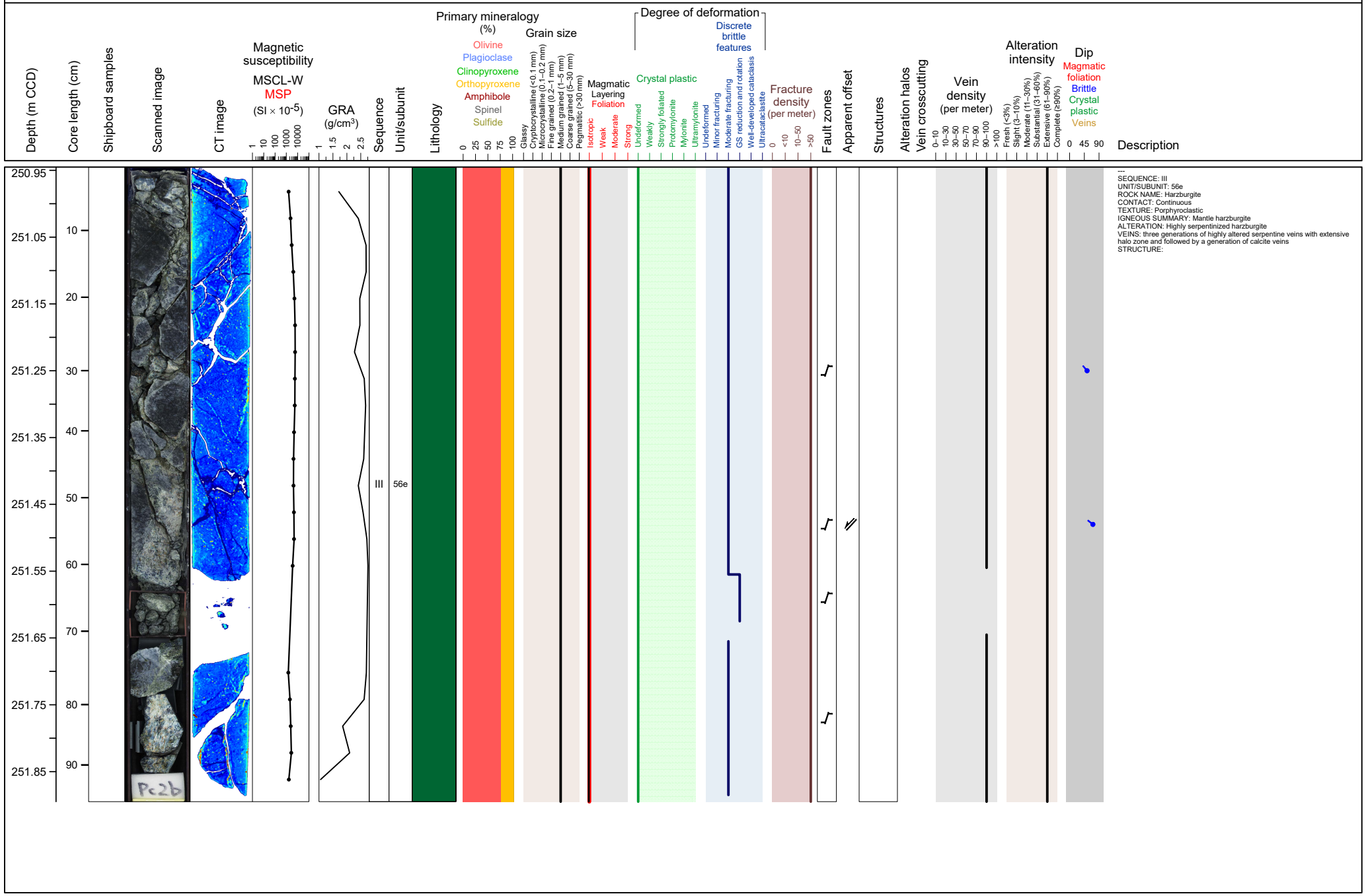
Hole CM2B-110Z Section 2, Top of Section 249.49 (m CCD)



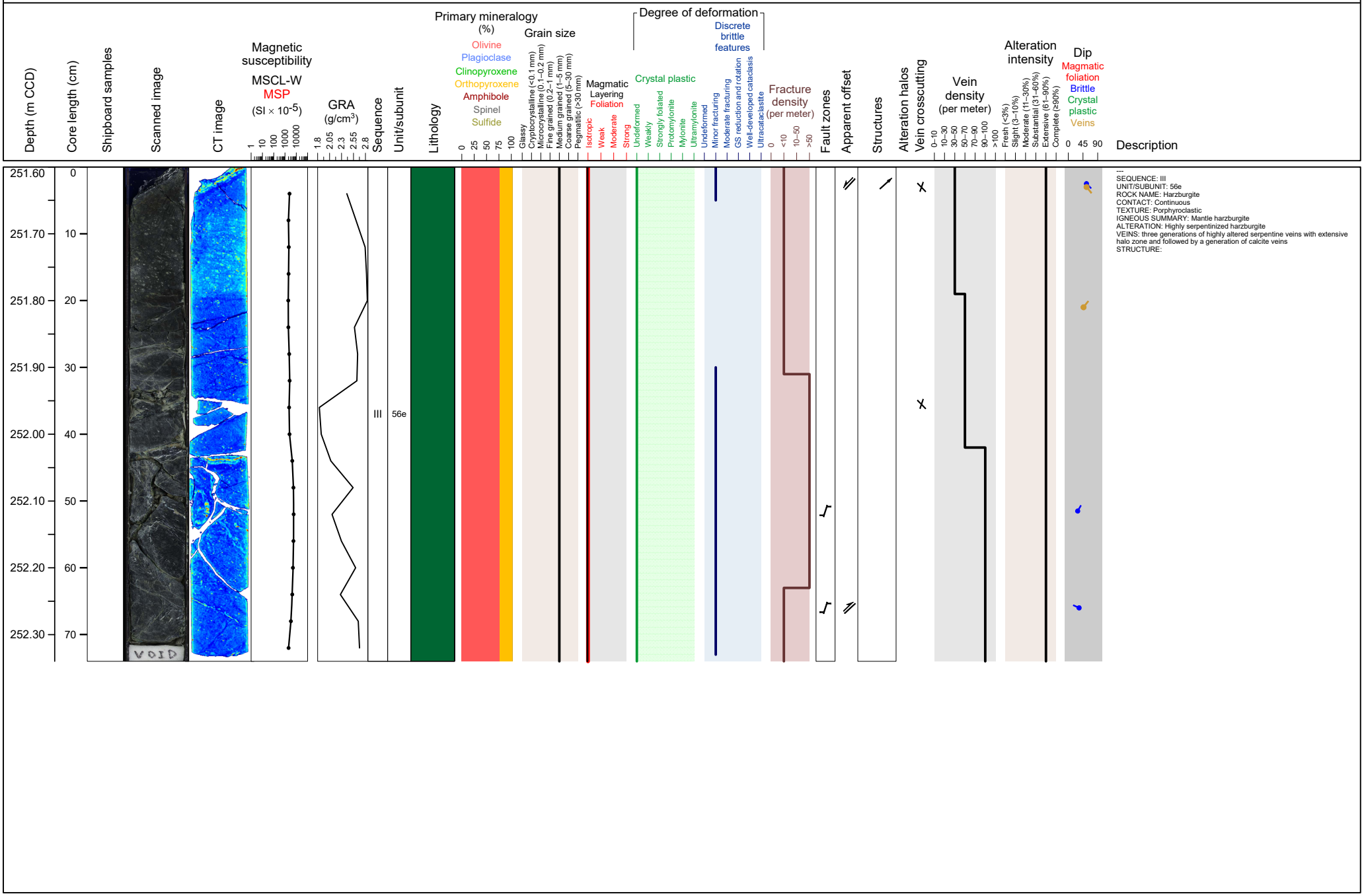
Hole CM2B-110Z Section 3, Top of Section 250.20 (m CCD)



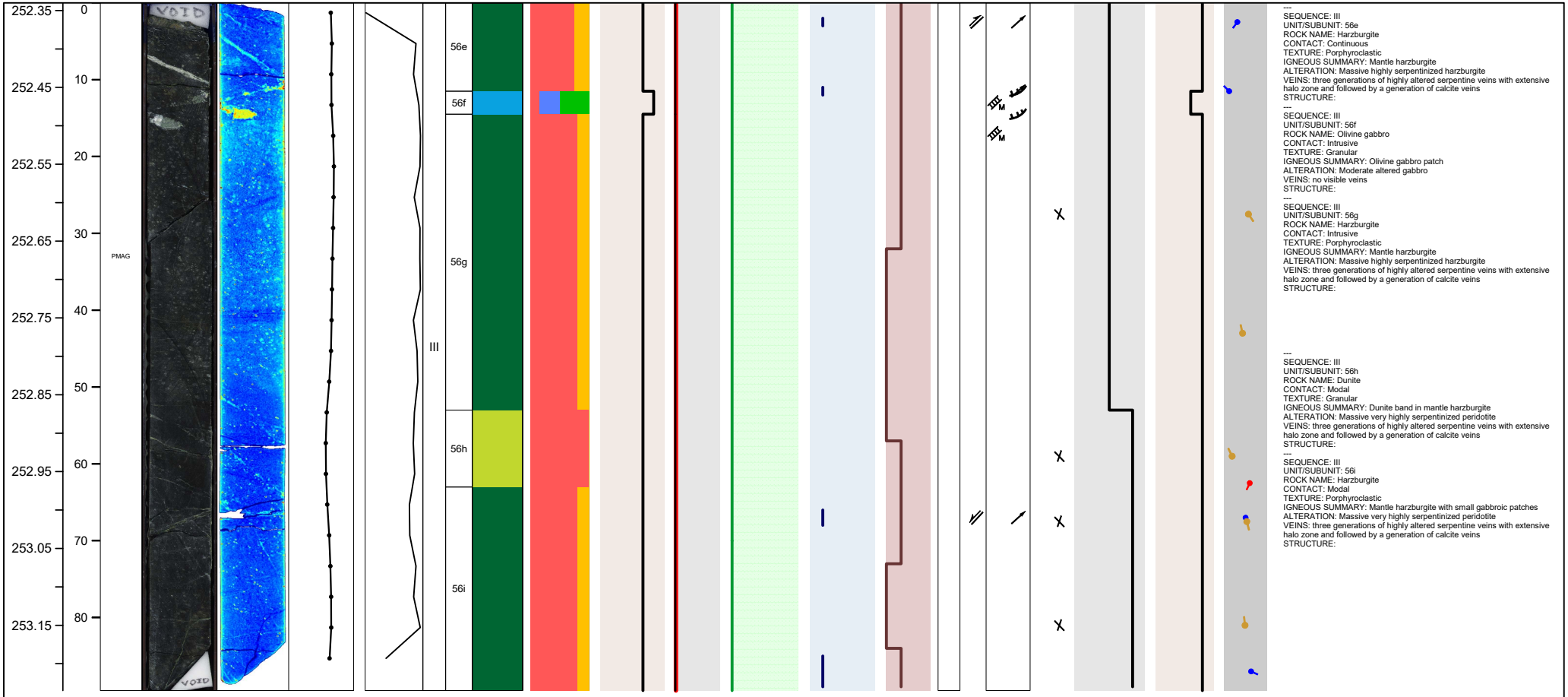
Hole CM2B-110Z Section 4, Top of Section 250.95 (m CCD)



Hole CM2B-111Z Section 1, Top of Section 251.60 (m CCD)



Hole CM2B-111Z Section 2, Top of Section 252.34 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 56e
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

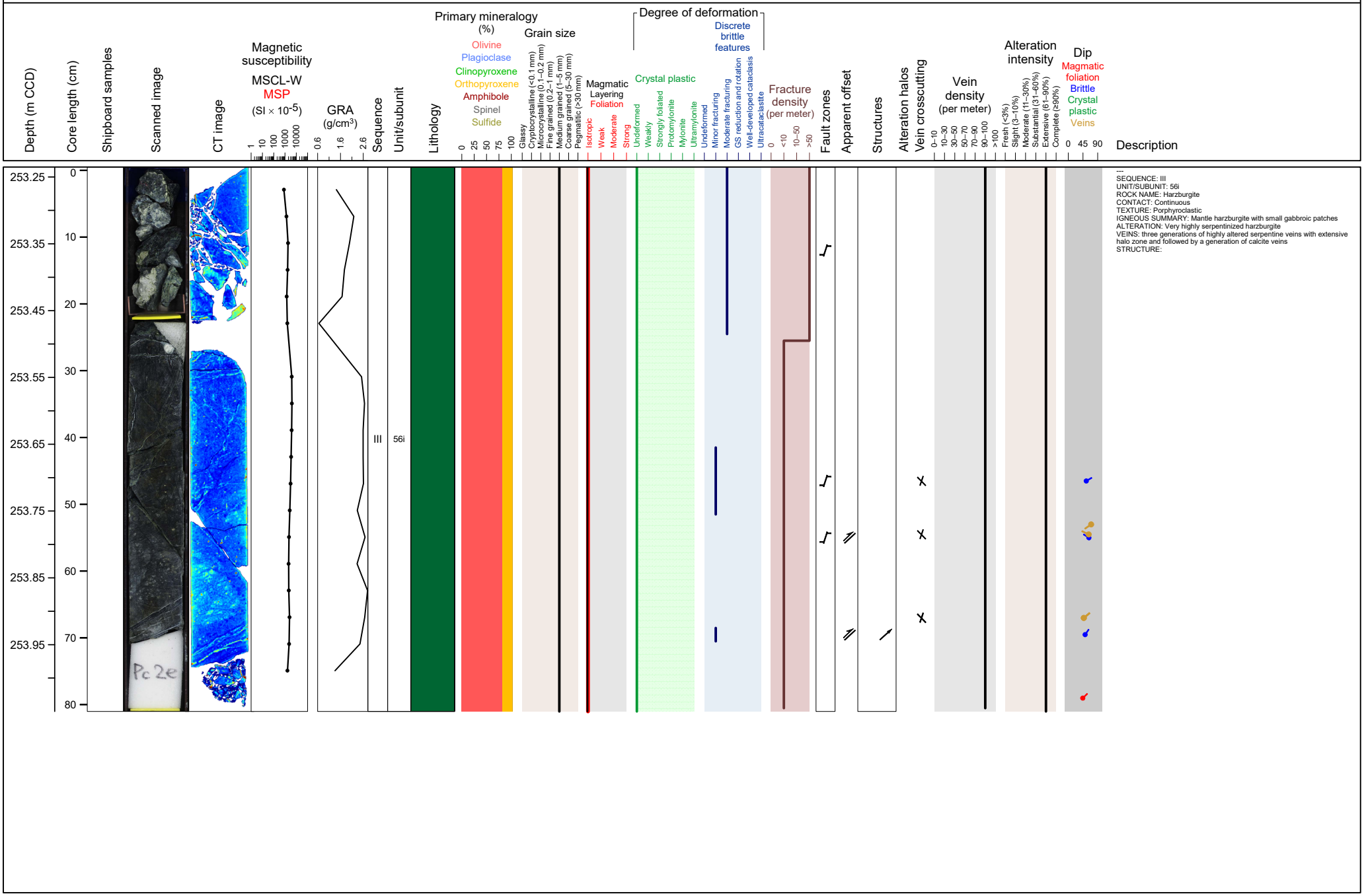
SEQUENCE: III
UNIT/SUBUNIT: 56f
ROCK NAME: Olivine gabbro
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Olivine gabbro patch
ALTERATION: Moderate altered gabbro
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 56g
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

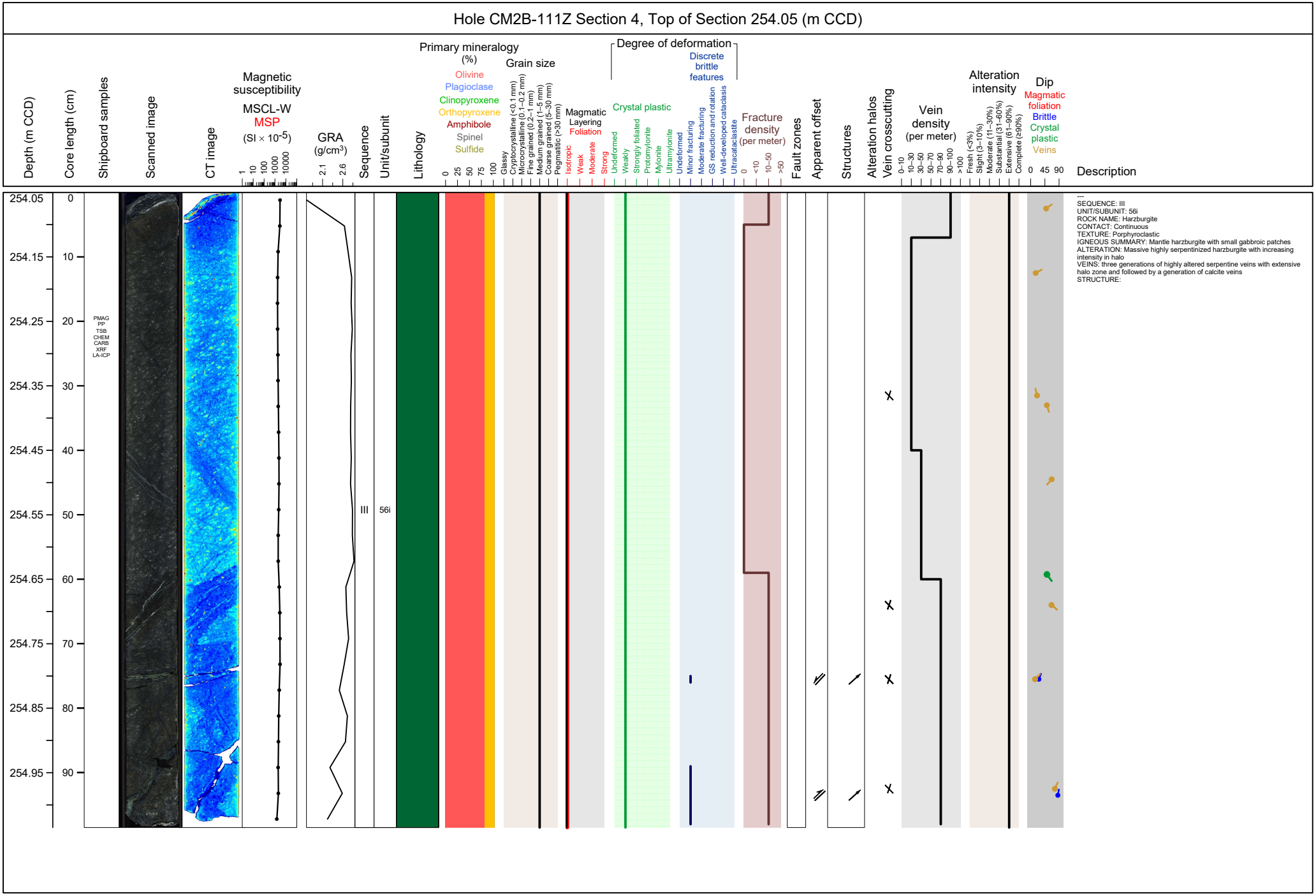
SEQUENCE: III
UNIT/SUBUNIT: 56h
ROCK NAME: Dunite
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Dunite band in mantle harzburgite
ALTERATION: Massive very highly serpentinized peridotite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 56i
ROCK NAME: Harzburgite
CONTACT: Modal
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite with small gabbroic patches
ALTERATION: Massive very highly serpentinized peridotite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

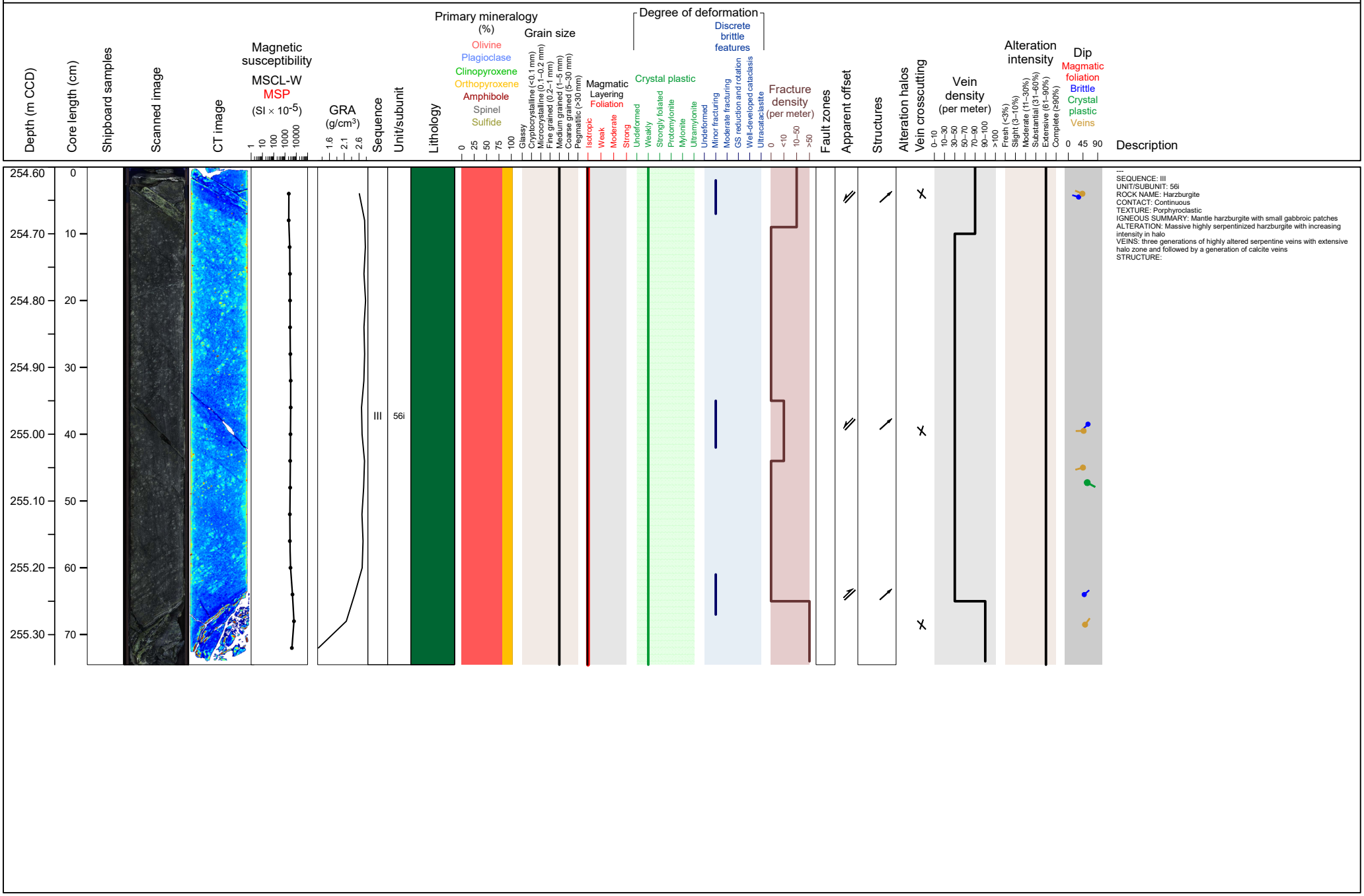
Hole CM2B-111Z Section 3, Top of Section 253.24 (m CCD)



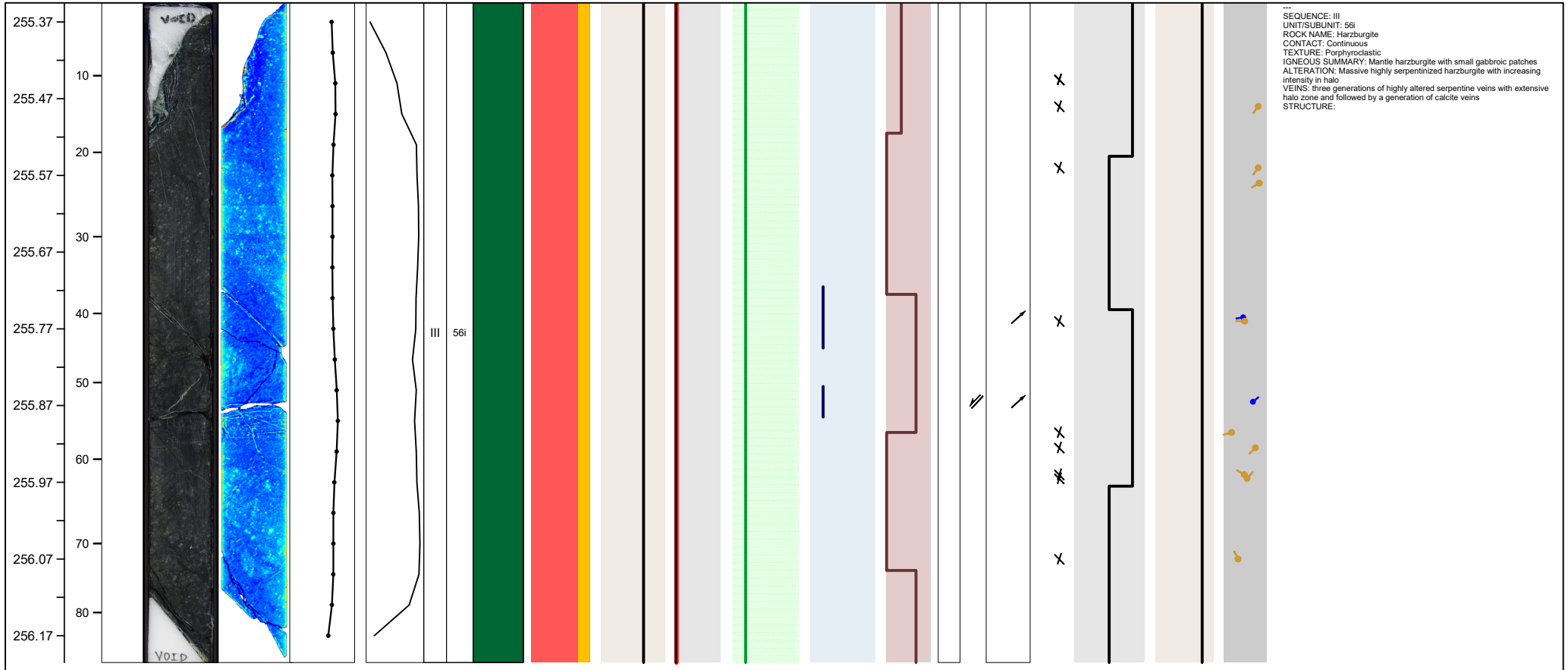
Hole CM2B-111Z Section 4, Top of Section 254.05 (m CCD)



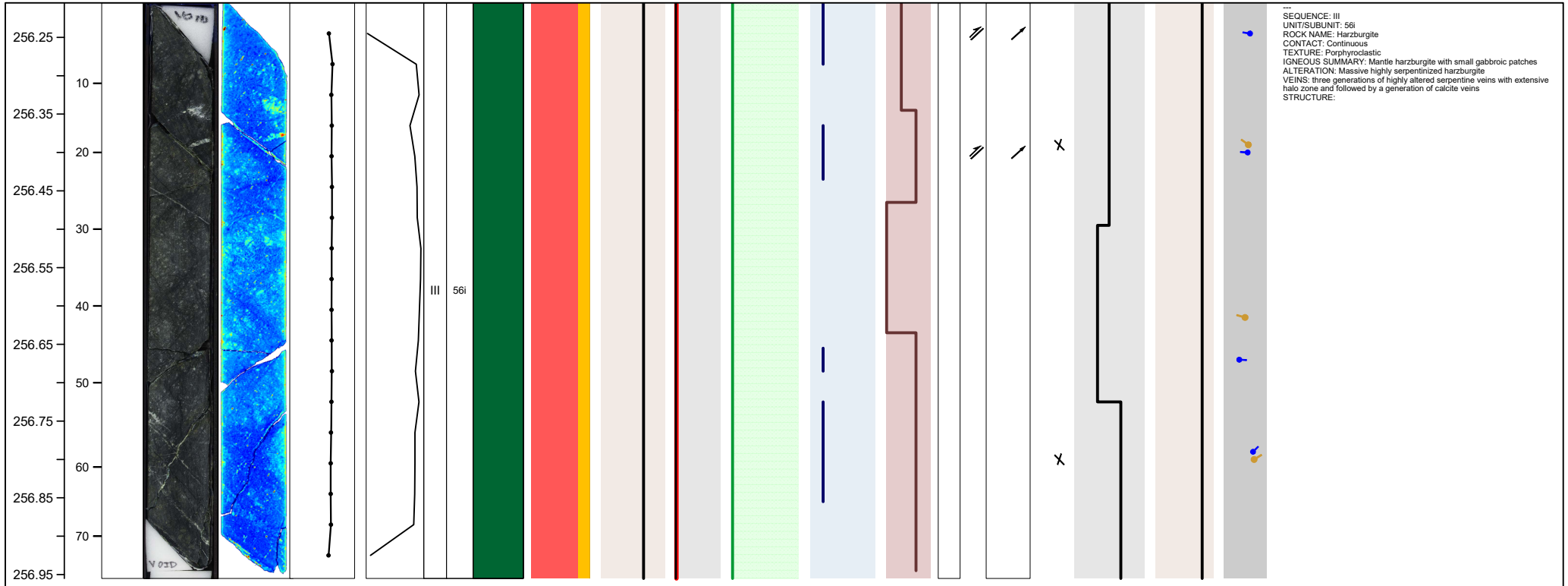
Hole CM2B-112Z Section 1, Top of Section 254.60 (m CCD)



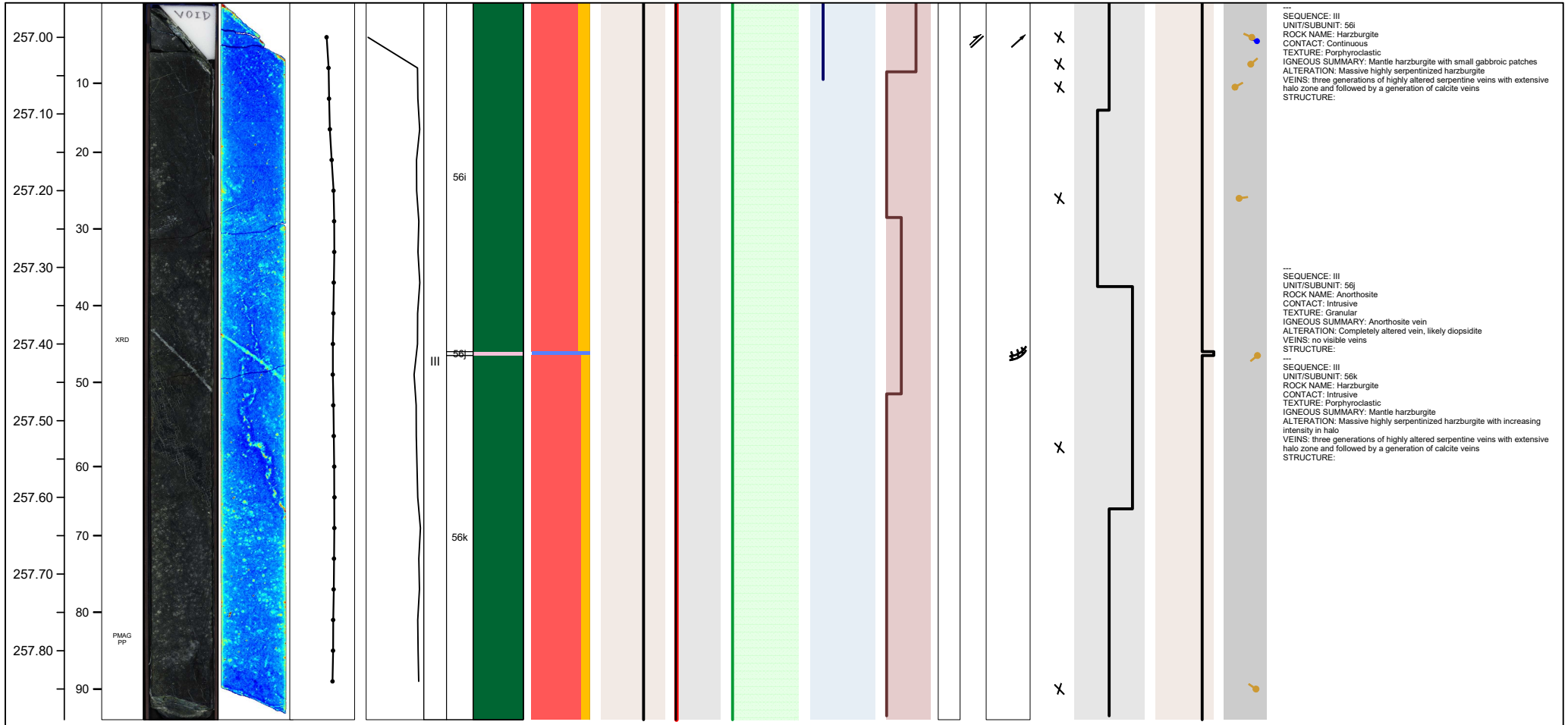
Hole CM2B-112Z Section 2, Top of Section 255.35 (m CCD)



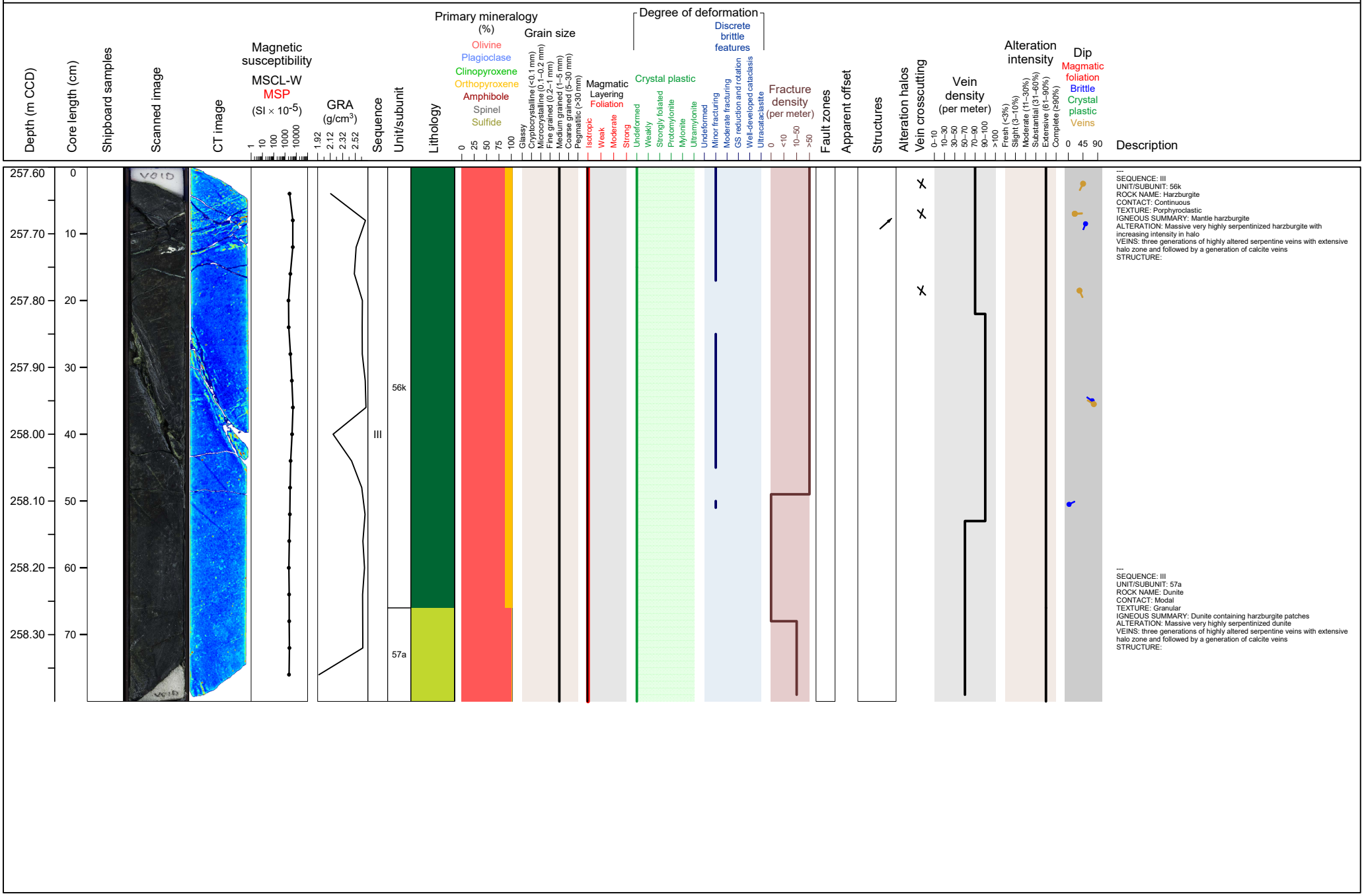
Hole CM2B-112Z Section 3, Top of Section 256.21 (m CCD)



Hole CM2B-112Z Section 4, Top of Section 256.96 (m CCD)



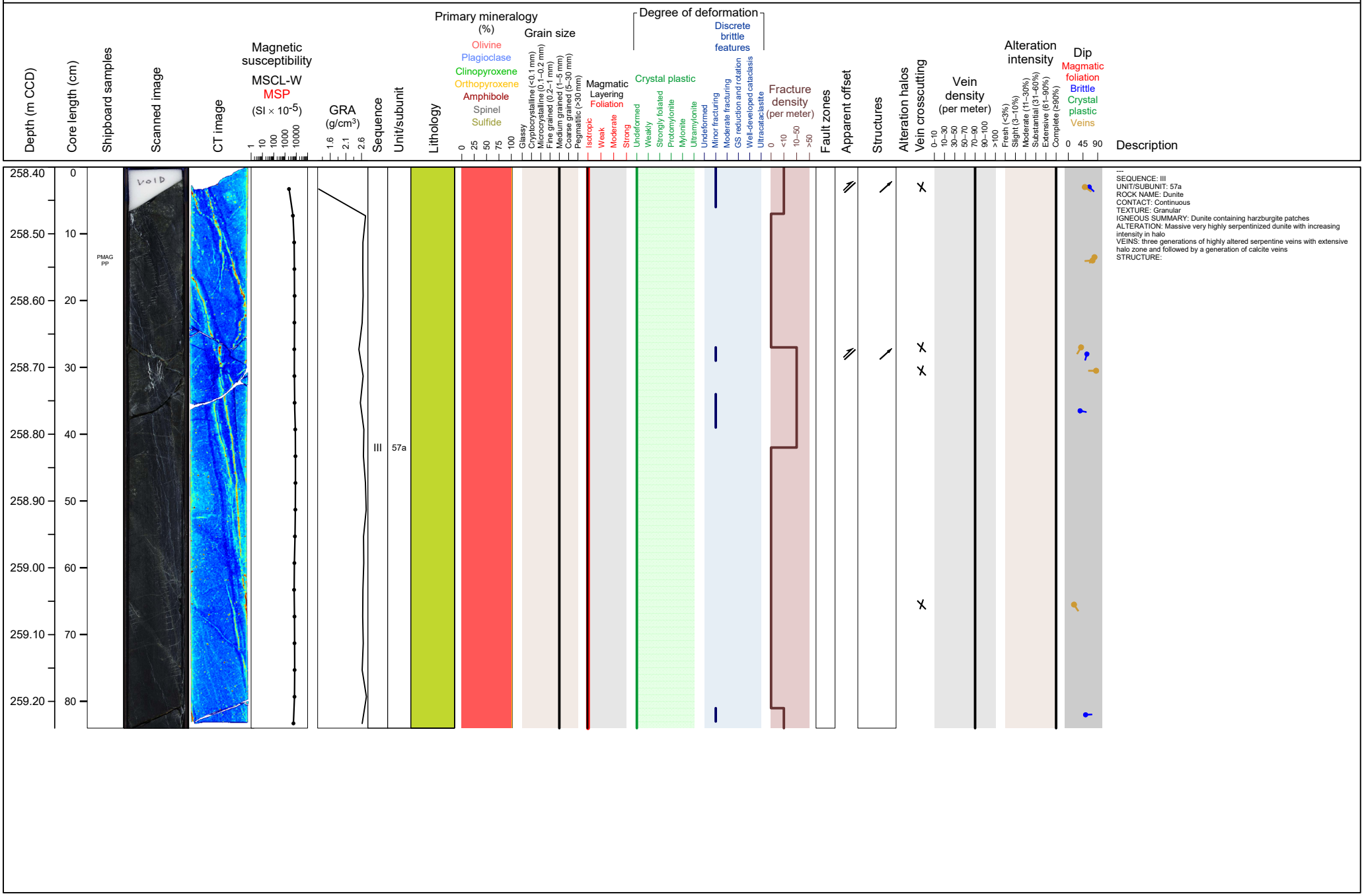
Hole CM2B-113Z Section 1, Top of Section 257.60 (m CCD)



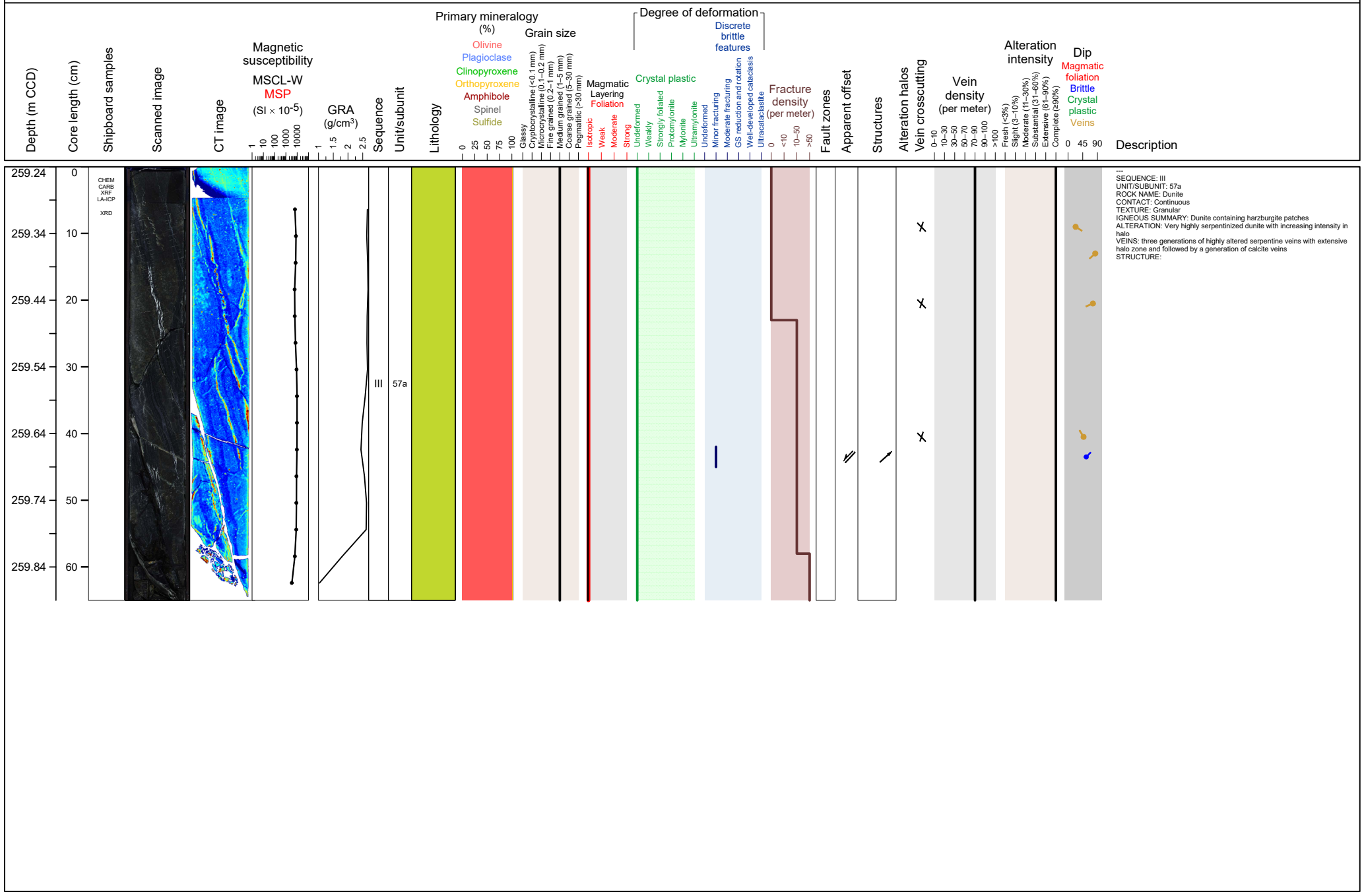
SEQUENCE: III
UNIT/SUBUNIT: 56k
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive very highly serpentinized harzburgite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 57a
ROCK NAME: Dunite
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Dunite containing harzburgite patches
ALTERATION: Massive very highly serpentinized dunite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

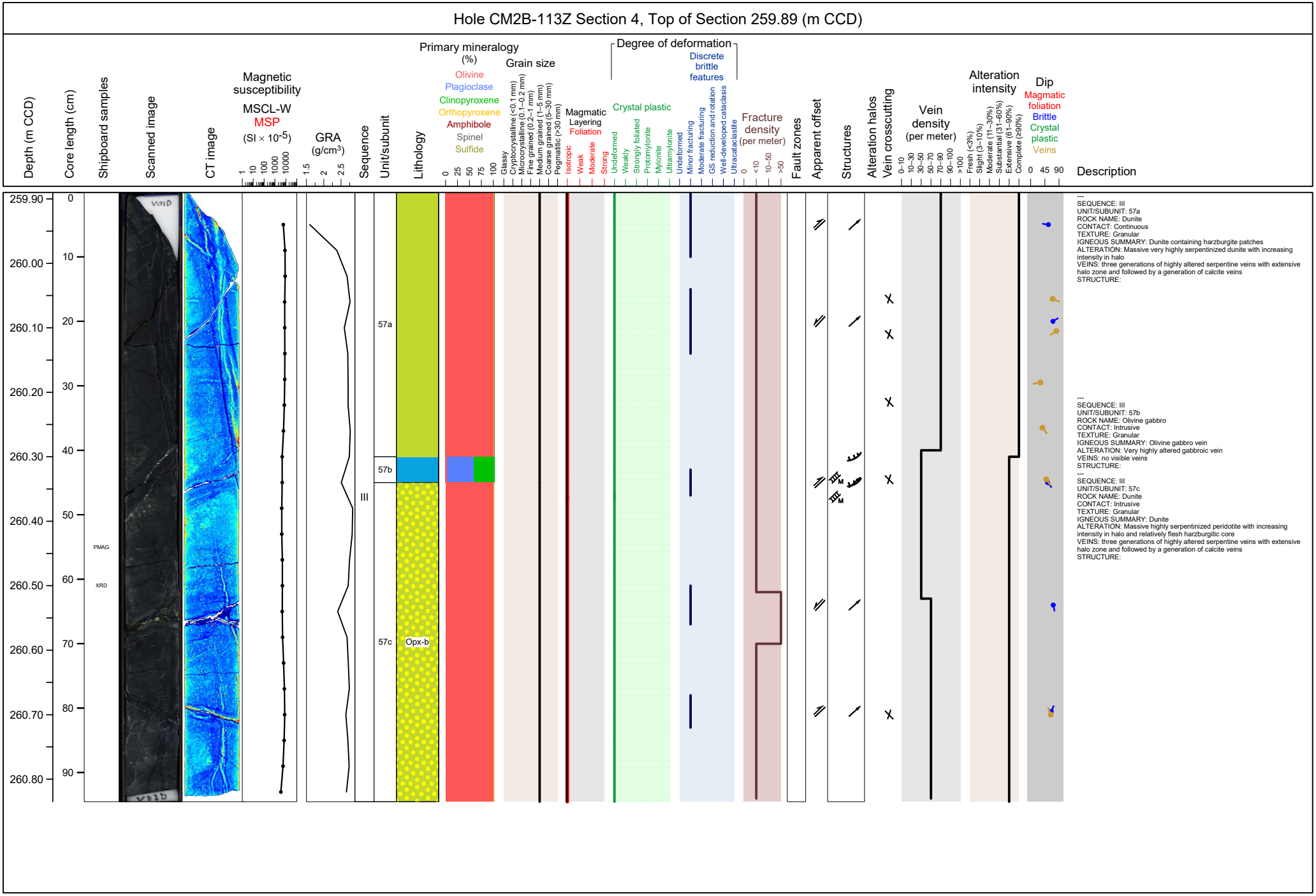
Hole CM2B-113Z Section 2, Top of Section 258.40 (m CCD)



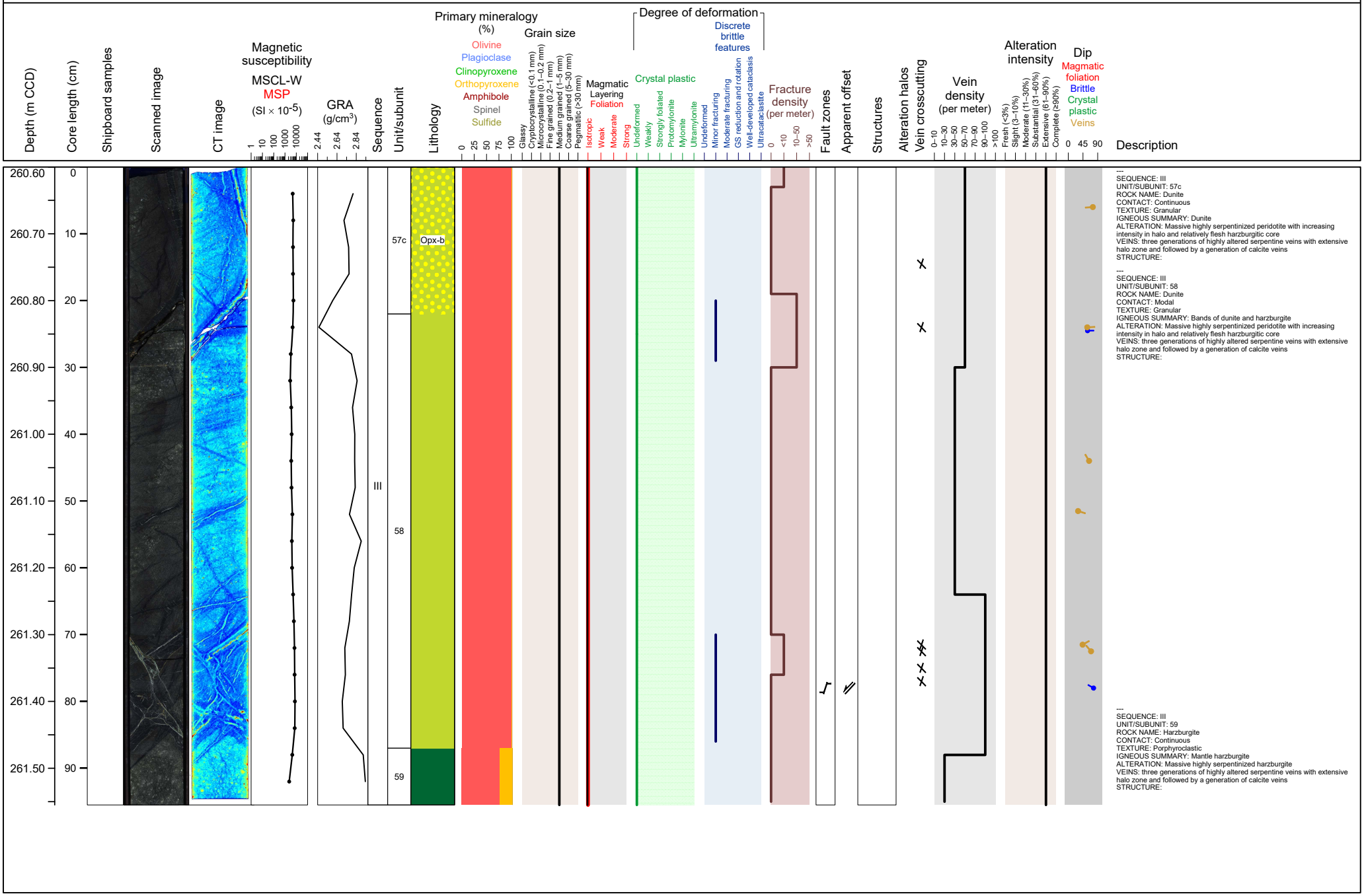
Hole CM2B-113Z Section 3, Top of Section 259.24 (m CCD)



Hole CM2B-113Z Section 4, Top of Section 259.89 (m CCD)



Hole CM2B-114Z Section 1, Top of Section 260.60 (m CCD)

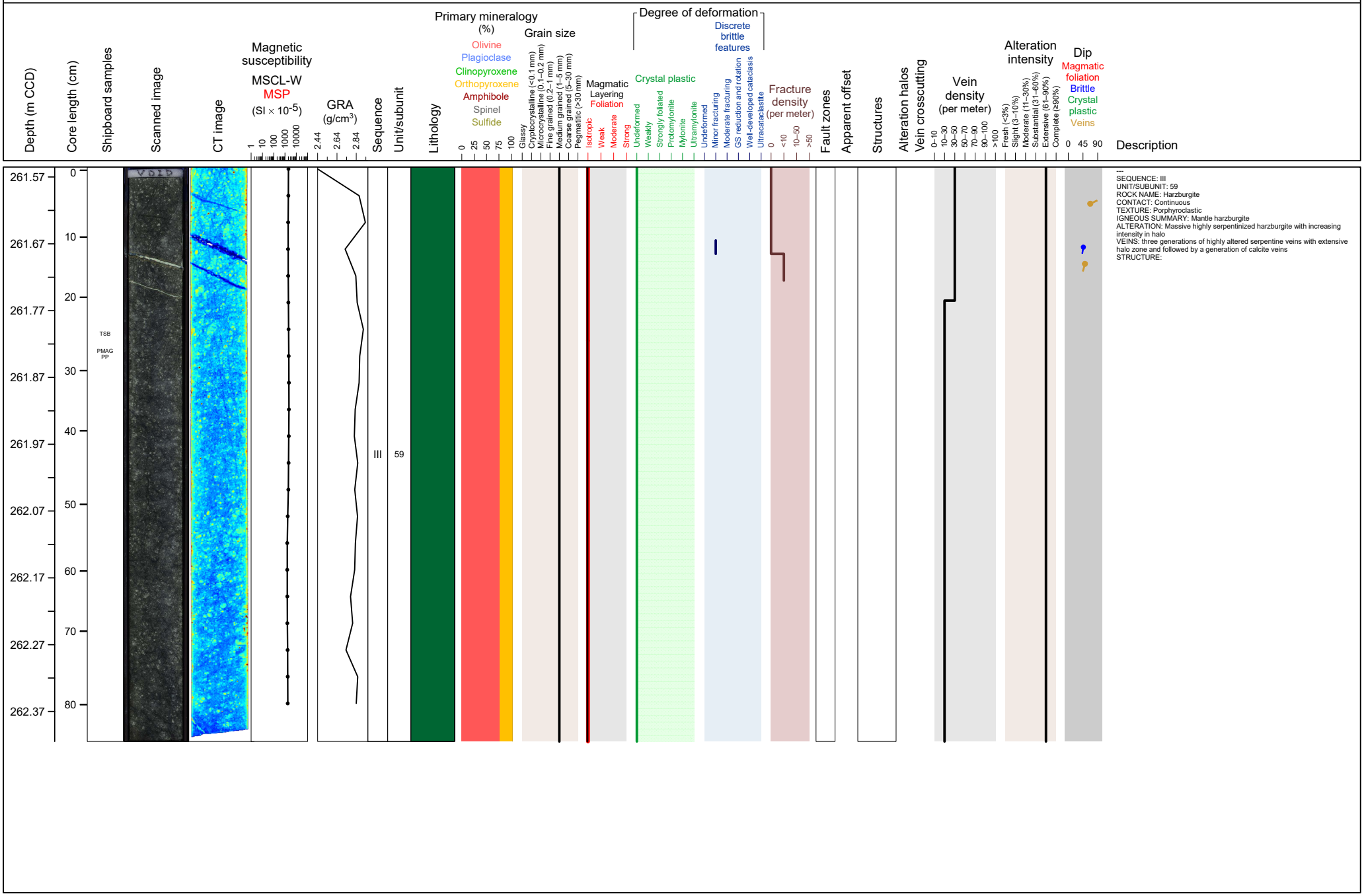


SEQUENCE: III
UNIT/SUBUNIT: 57c
ROCK NAME: Dunite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Dunite
ALTERATION: Massive highly serpentinized peridotite with increasing intensity in halo and relatively flesh harzburgitic core
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

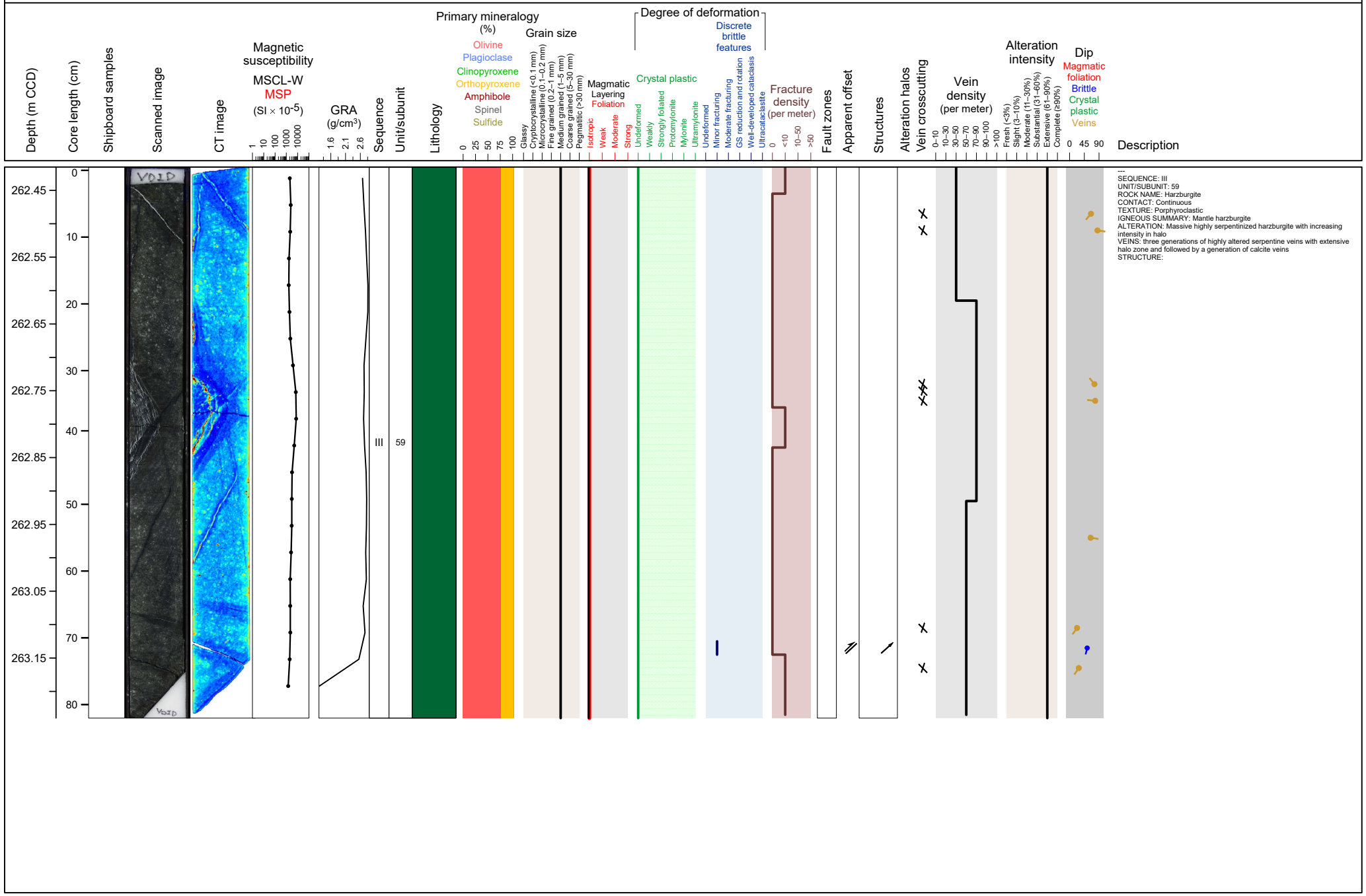
SEQUENCE: III
UNIT/SUBUNIT: 58
ROCK NAME: Dunite
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Bands of dunite and harzburgite
ALTERATION: Massive highly serpentinized peridotite with increasing intensity in halo and relatively flesh harzburgitic core
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 59
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

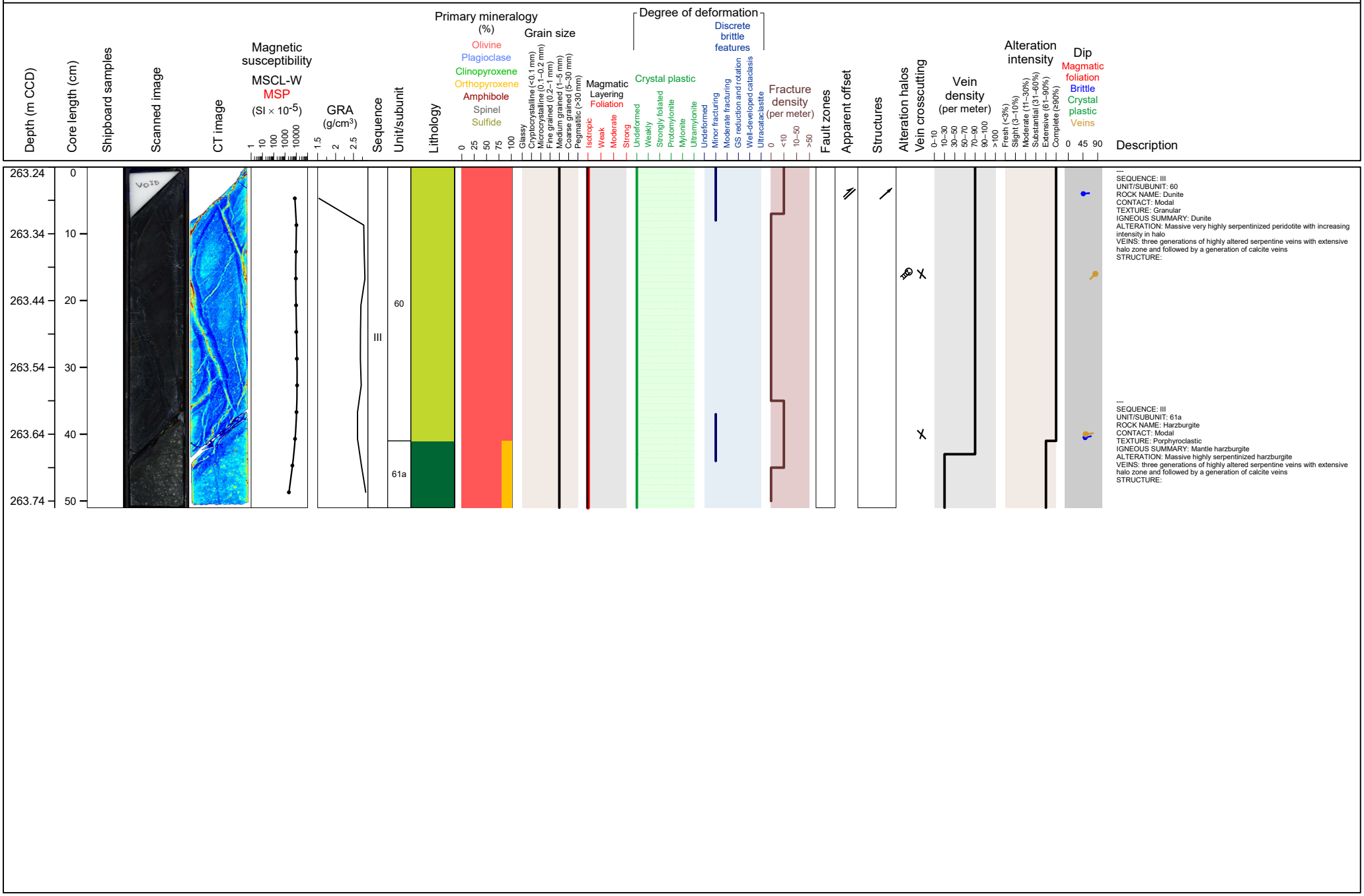
Hole CM2B-114Z Section 2, Top of Section 261.56 (m CCD)



Hole CM2B-114Z Section 3, Top of Section 262.42 (m CCD)



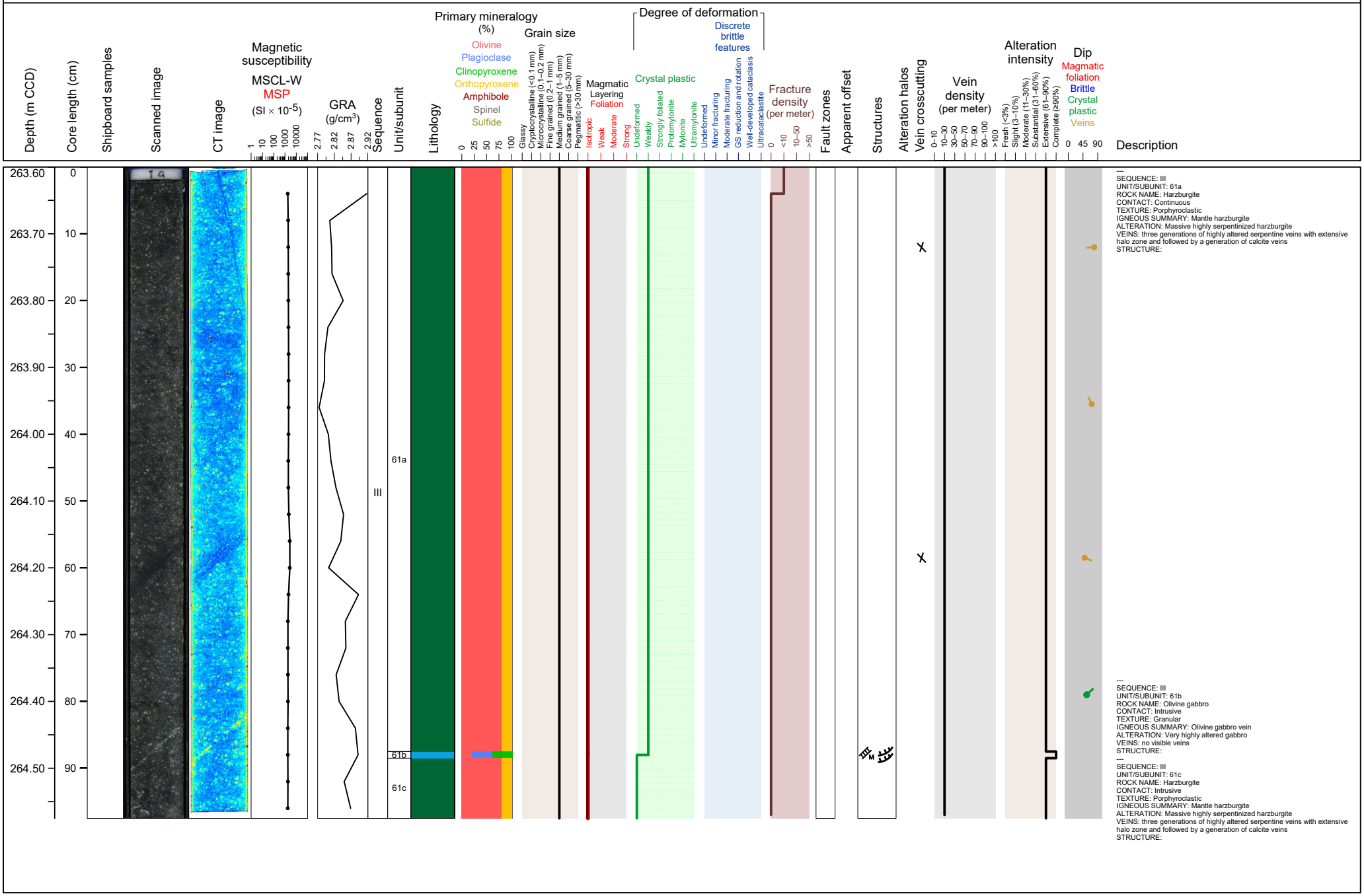
Hole CM2B-114Z Section 4, Top of Section 263.24 (m CCD)



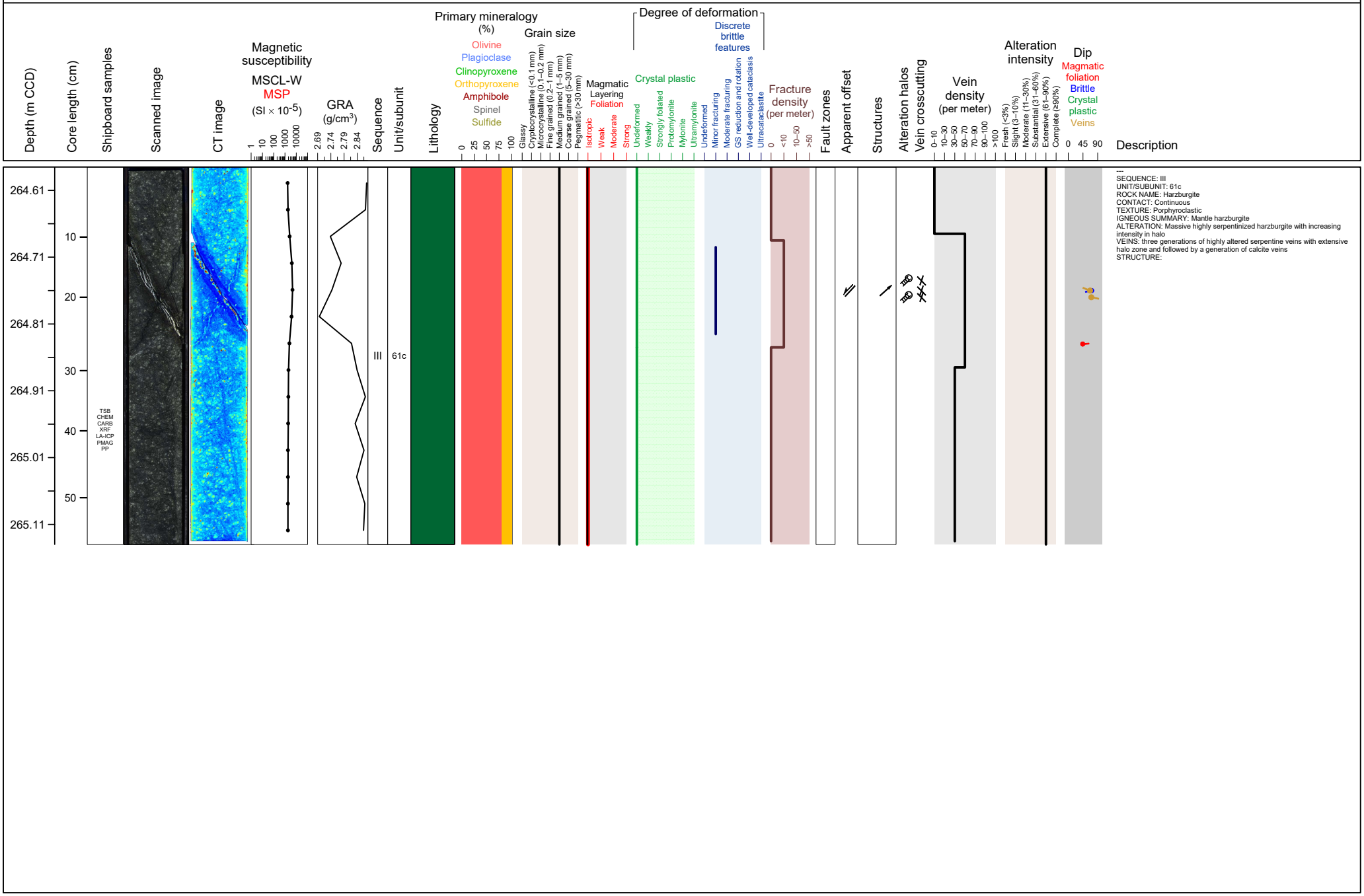
SEQUENCE: III
UNIT/SUBUNIT: 60
ROCK NAME: Dunite
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Dunite
ALTERATION: Massive very highly serpentinized peridotite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61a
ROCK NAME: Harzburgite
CONTACT: Modal
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

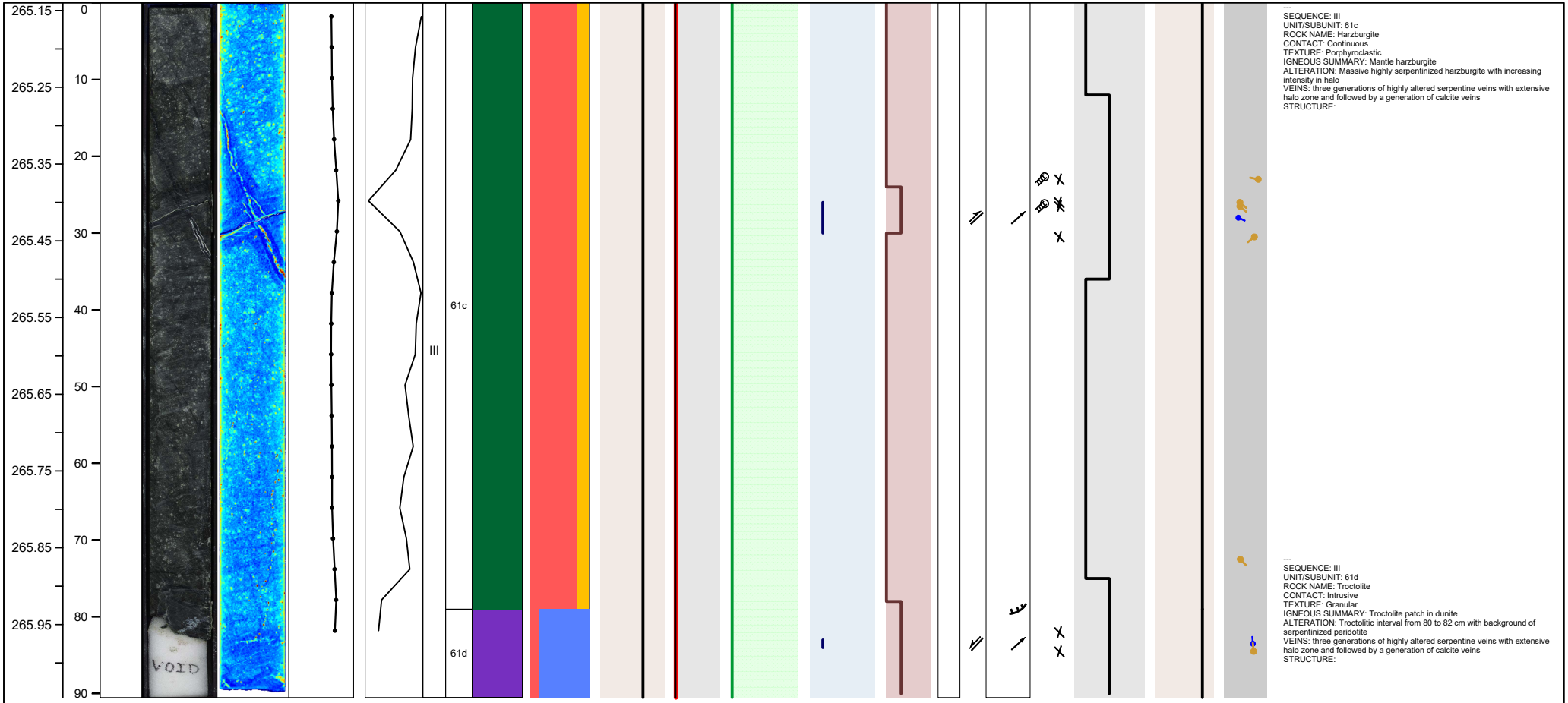
Hole CM2B-115Z Section 1, Top of Section 263.60 (m CCD)



Hole CM2B-115Z Section 2, Top of Section 264.58 (m CCD)



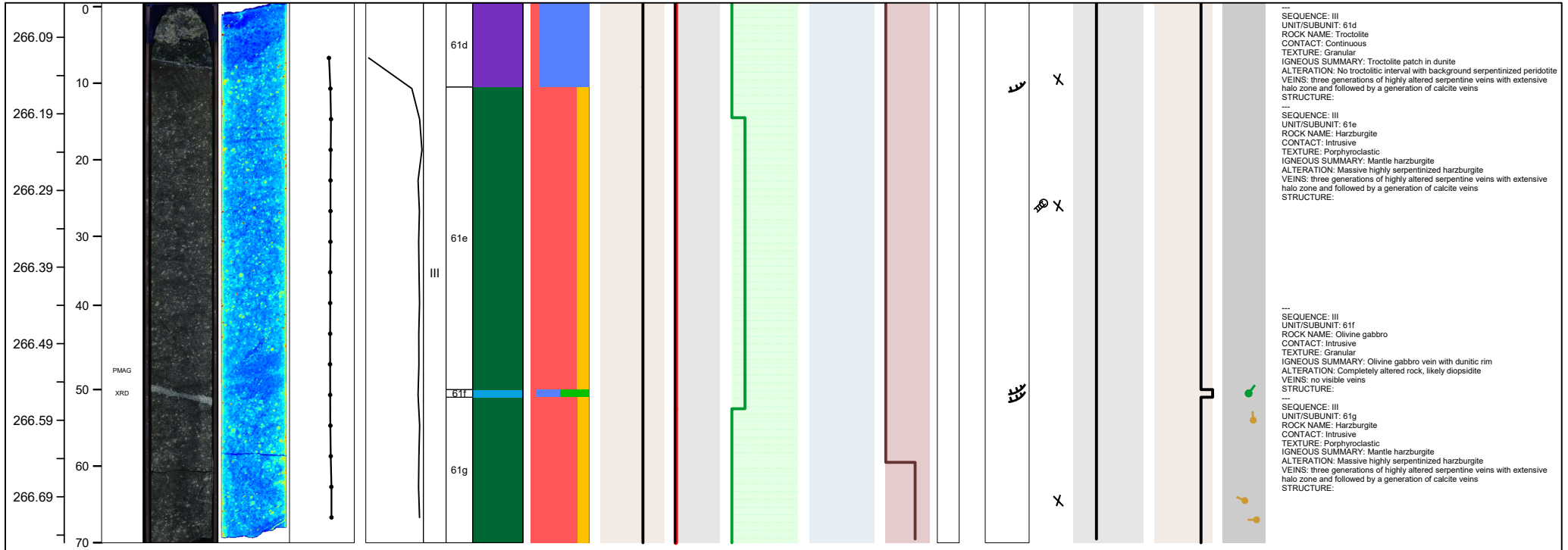
Hole CM2B-115Z Section 3, Top of Section 265.14 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 61c
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61d
ROCK NAME: Troctolite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Troctolite patch in dunite
ALTERATION: Troctolitic interval from 80 to 82 cm with background of serpentinized peridotite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-115Z Section 4, Top of Section 266.05 (m CCD)



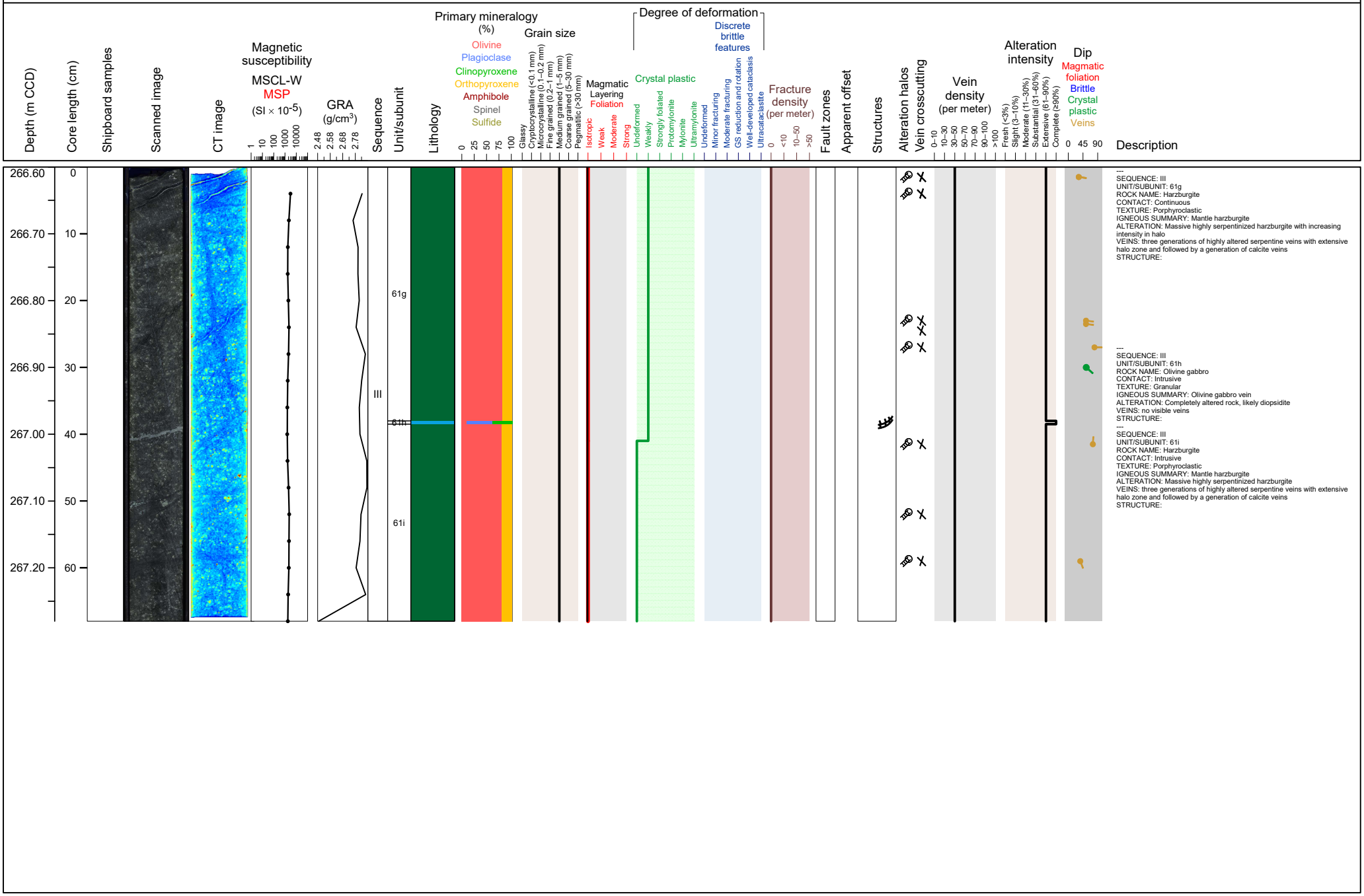
SEQUENCE: III
UNIT/SUBUNIT: 61d
ROCK NAME: Troctolite
CONTACT: Continuous
TEXTURE: Granular
IGNEOUS SUMMARY: Troctolite patch in dunite
ALTERATION: No troctolitic interval with background serpentinized peridotite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61e
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61f
ROCK NAME: Olivine gabbro
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Olivine gabbro vein with dunitic rim
ALTERATION: Completely altered rock, likely diopsidite
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61g
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-116Z Section 1, Top of Section 266.60 (m CCD)

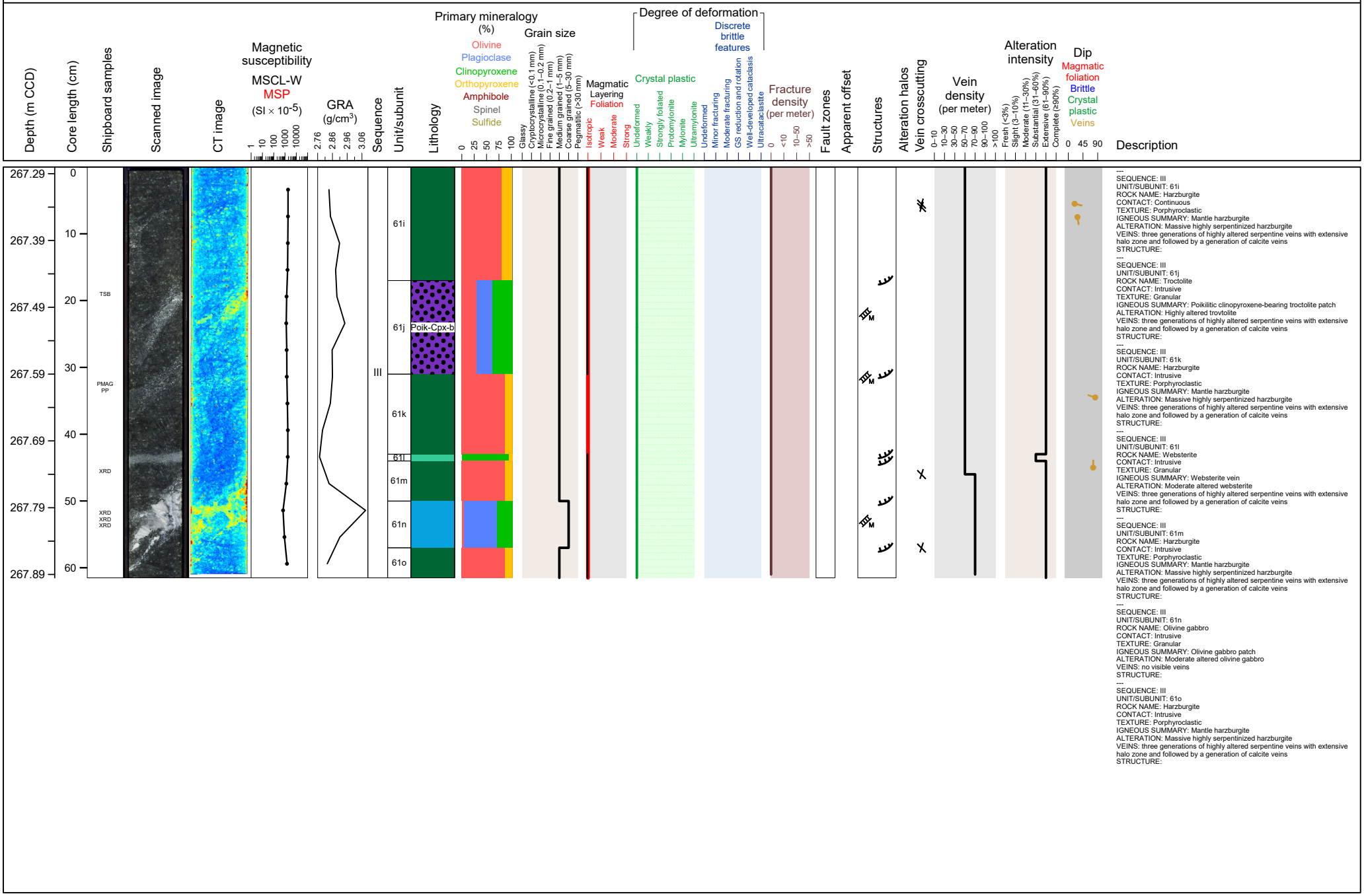


SEQUENCE: III
UNIT/SUBUNIT: 61g
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61h
ROCK NAME: Olivine gabbro
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Olivine gabbro vein
ALTERATION: Completely altered rock, likely diopsidite
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61i
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-116Z Section 2, Top of Section 267.28 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 61i
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61j
ROCK NAME: Troctolite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Poikilitic clinopyroxene-bearing troctolite patch
ALTERATION: Highly altered trovtolite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61k
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

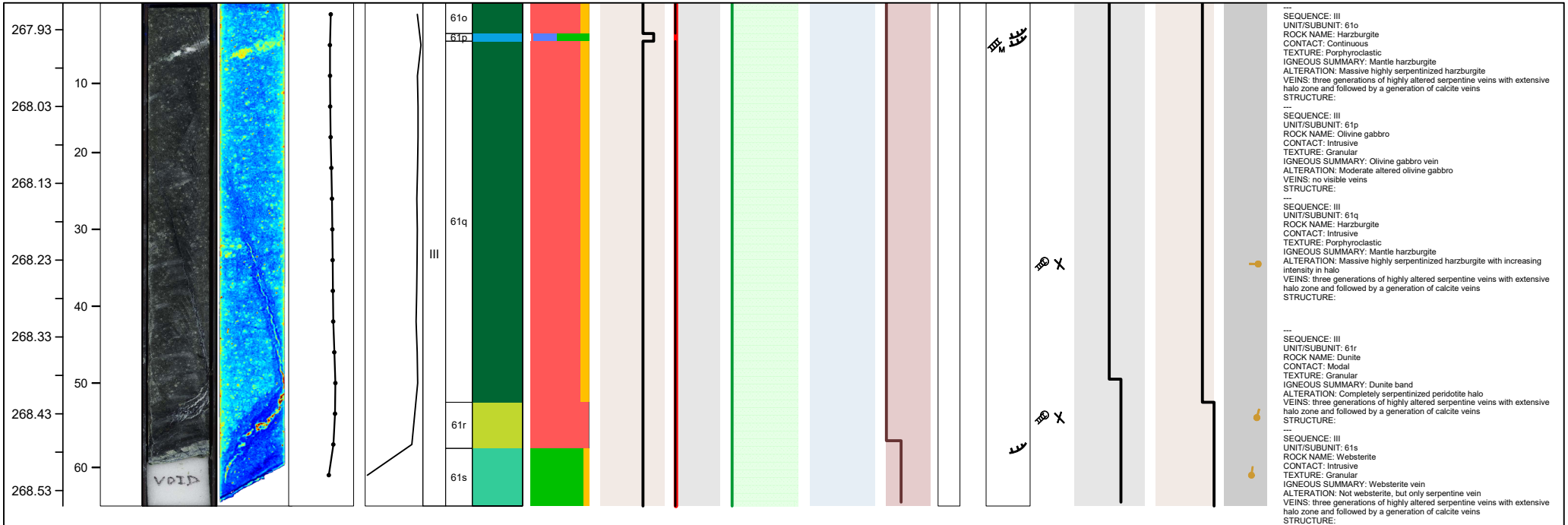
SEQUENCE: III
UNIT/SUBUNIT: 61l
ROCK NAME: Websterite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Websterite vein
ALTERATION: Moderate altered websterite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61m
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61n
ROCK NAME: Olivine gabbro
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Olivine gabbro patch
ALTERATION: Moderate altered olivine gabbro
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61o
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-116Z Section 3, Top of Section 267.90 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 61o
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

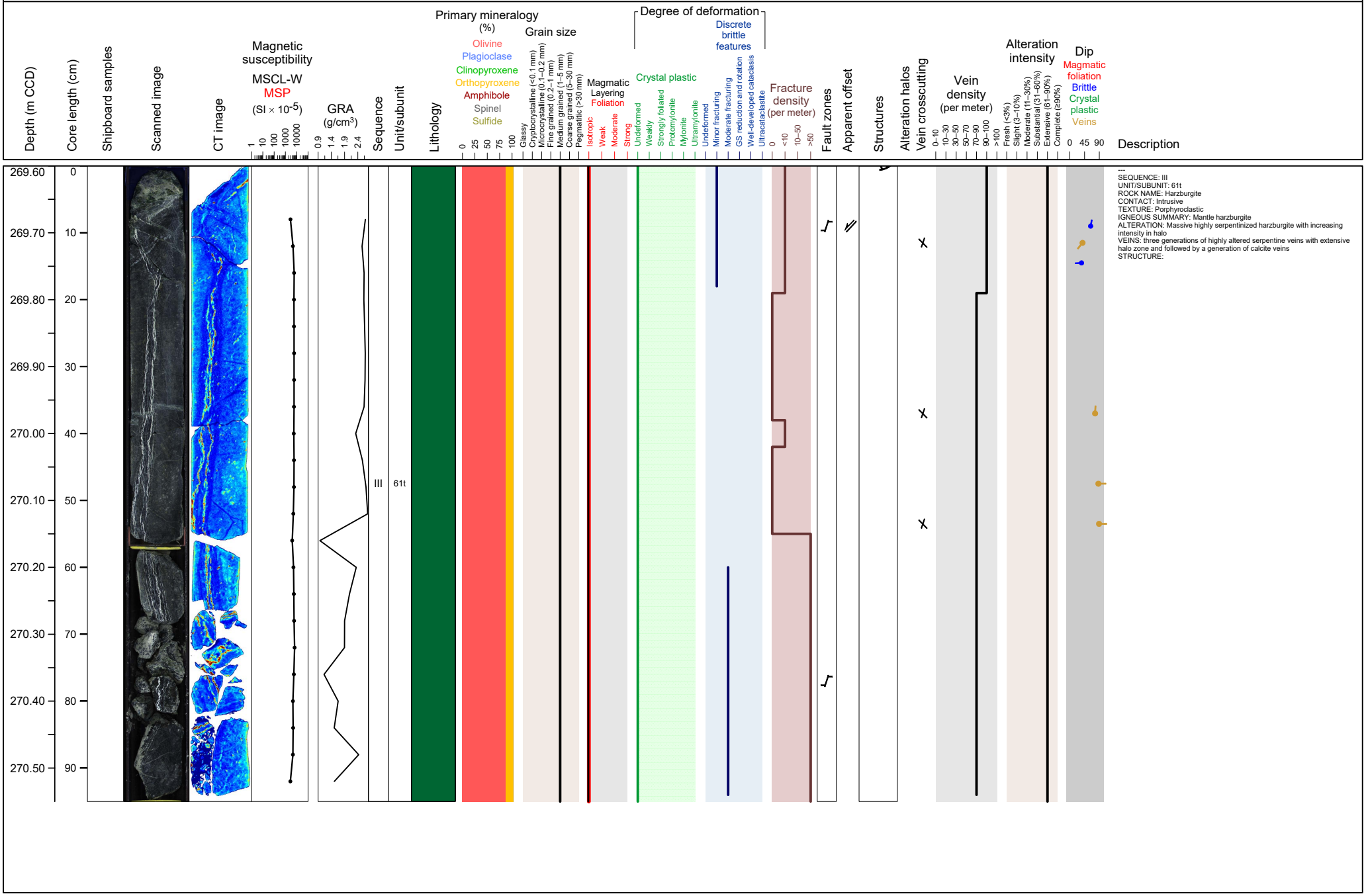
SEQUENCE: III
UNIT/SUBUNIT: 61p
ROCK NAME: Olivine gabbro
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Olivine gabbro vein
ALTERATION: Moderate altered olivine gabbro
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61q
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

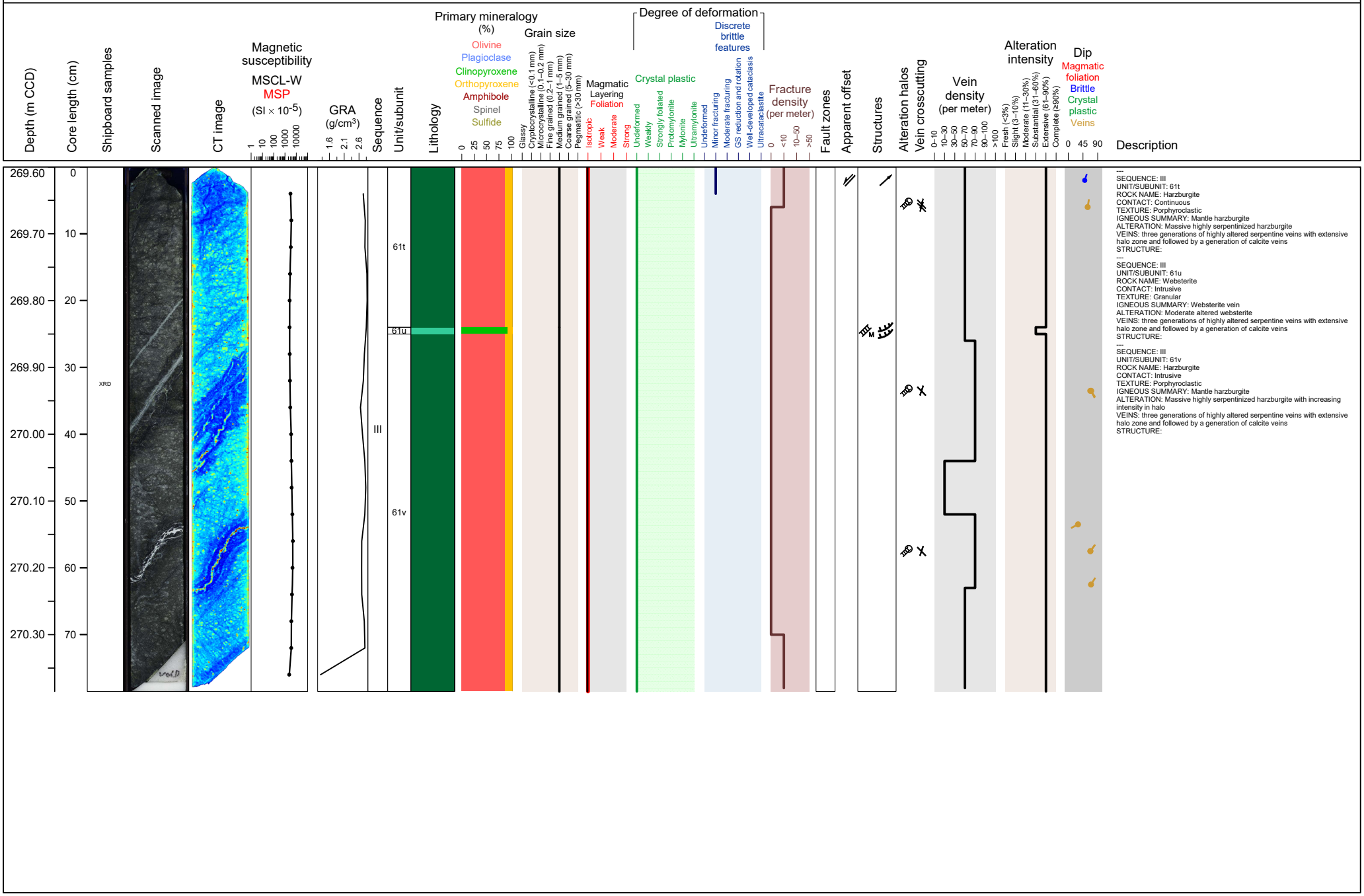
SEQUENCE: III
UNIT/SUBUNIT: 61r
ROCK NAME: Dunite
CONTACT: Modal
TEXTURE: Granular
IGNEOUS SUMMARY: Dunite band
ALTERATION: Completely serpentinized peridotite halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61s
ROCK NAME: Websterite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Websterite vein
ALTERATION: Not websterite, but only serpentine vein
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-117Z Section 1, Top of Section 269.60 (m CCD)



Hole CM2B-118Z Section 1, Top of Section 269.60 (m CCD)

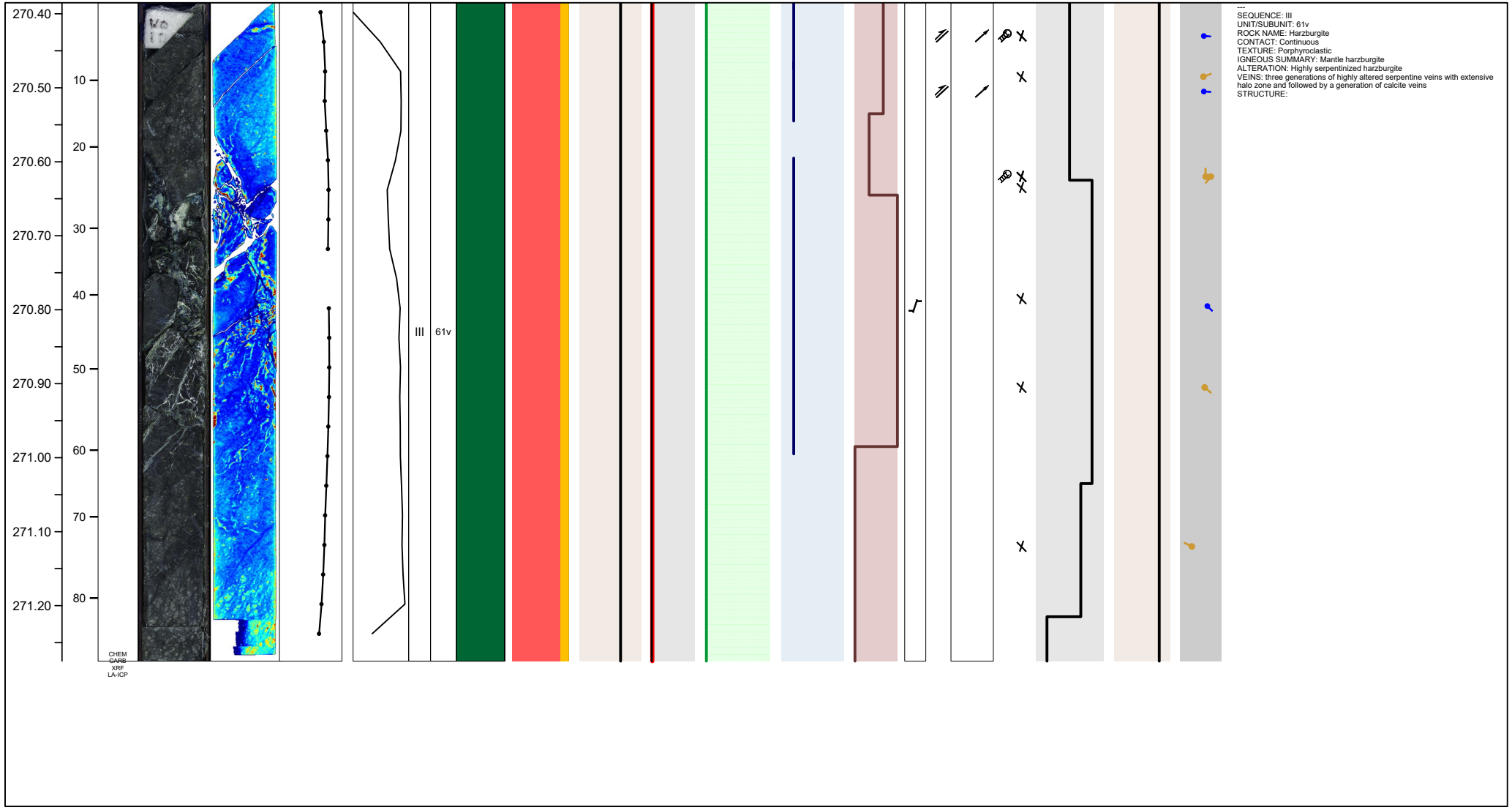


SEQUENCE: III
UNIT/SUBUNIT: 61t
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

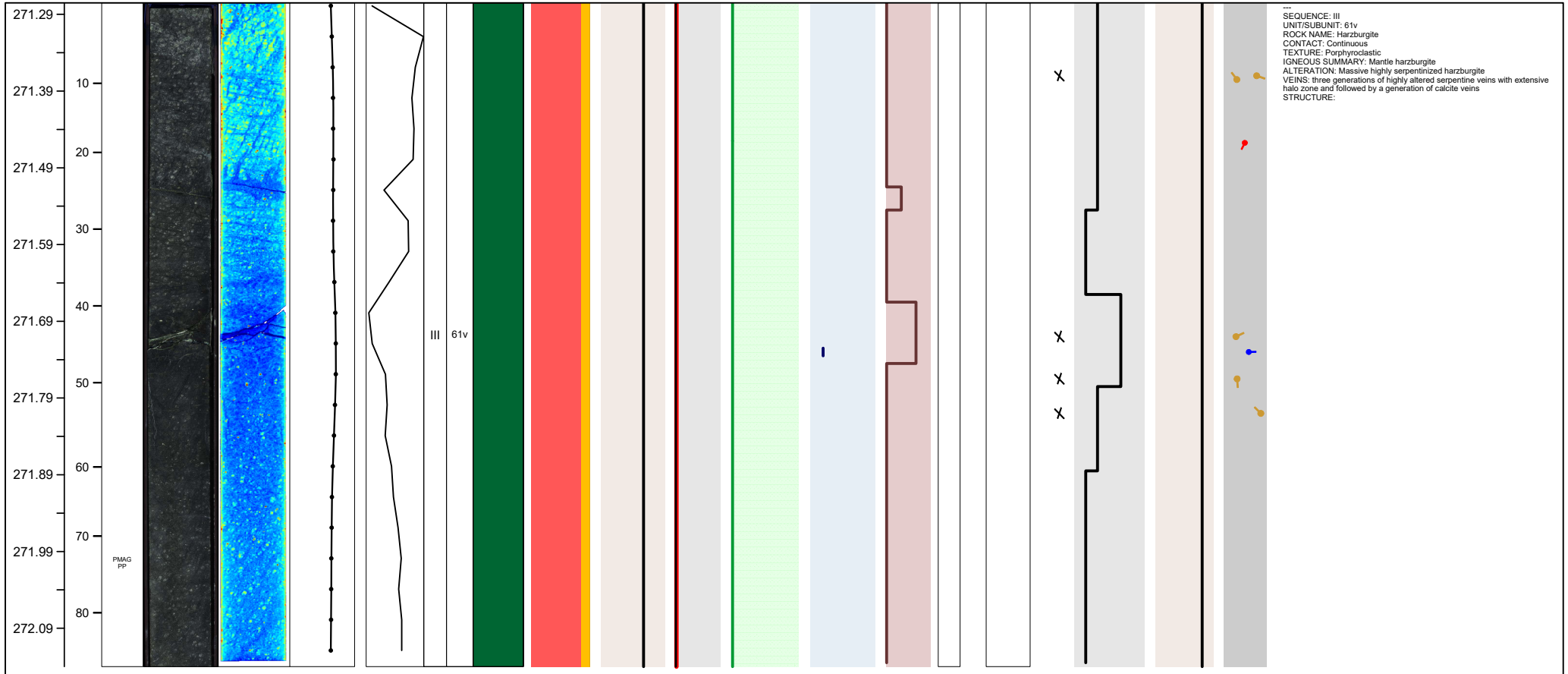
SEQUENCE: III
UNIT/SUBUNIT: 61u
ROCK NAME: Websterite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Websterite vein
ALTERATION: Moderate altered websterite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61v
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

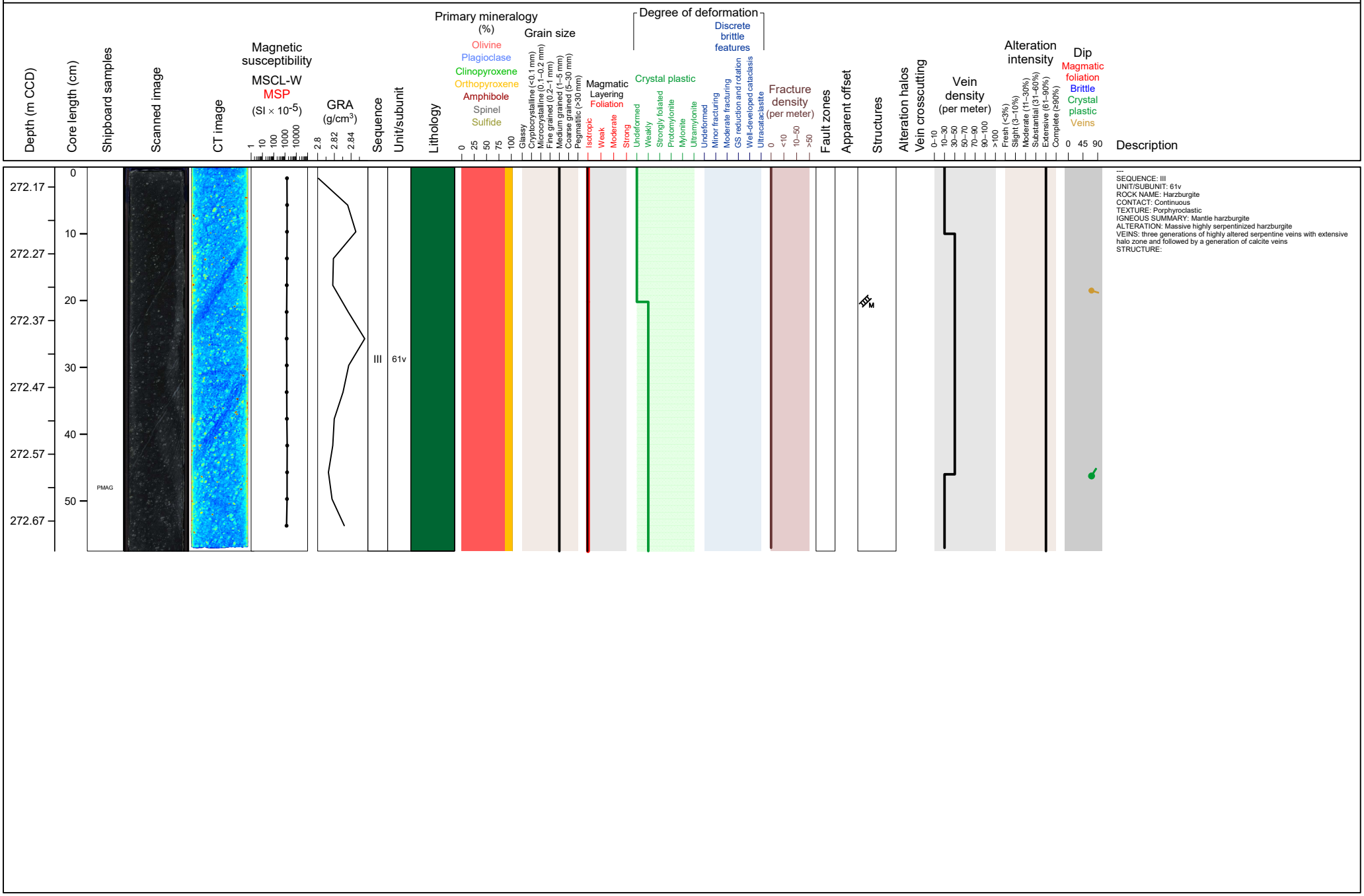
Hole CM2B-118Z Section 2, Top of Section 270.39 (m CCD)



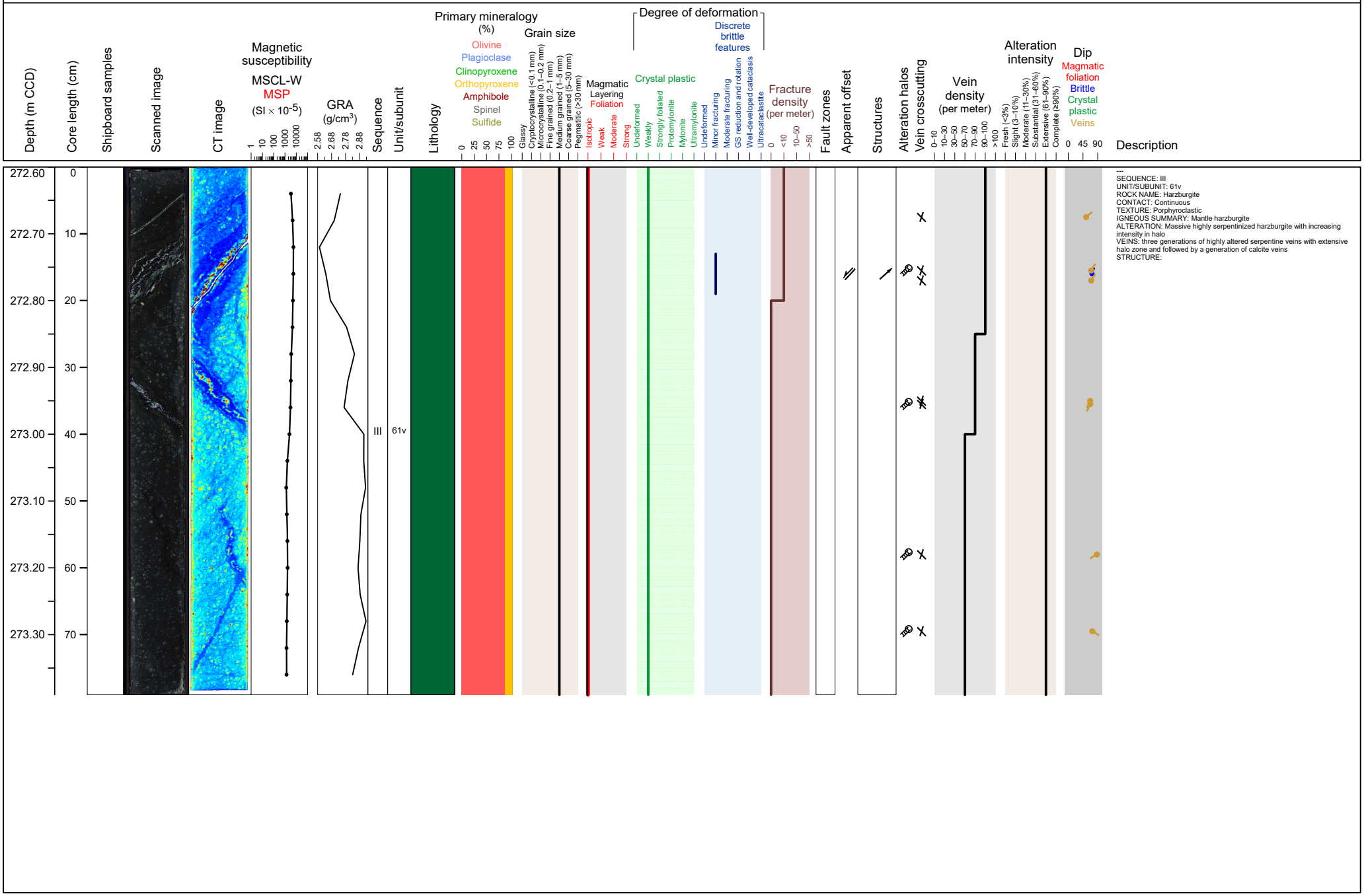
Hole CM2B-118Z Section 3, Top of Section 271.28 (m CCD)



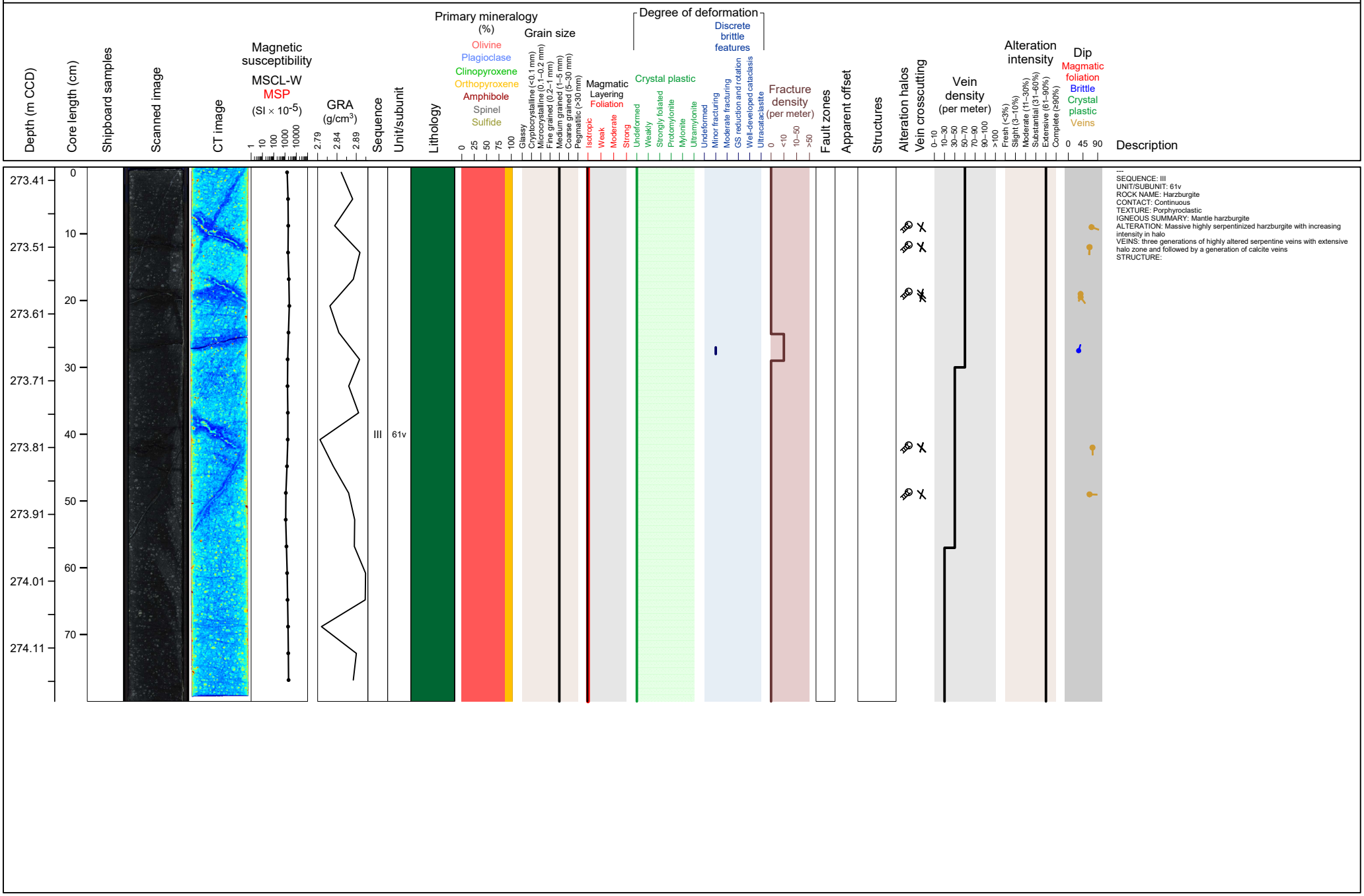
Hole CM2B-118Z Section 4, Top of Section 272.14 (m CCD)



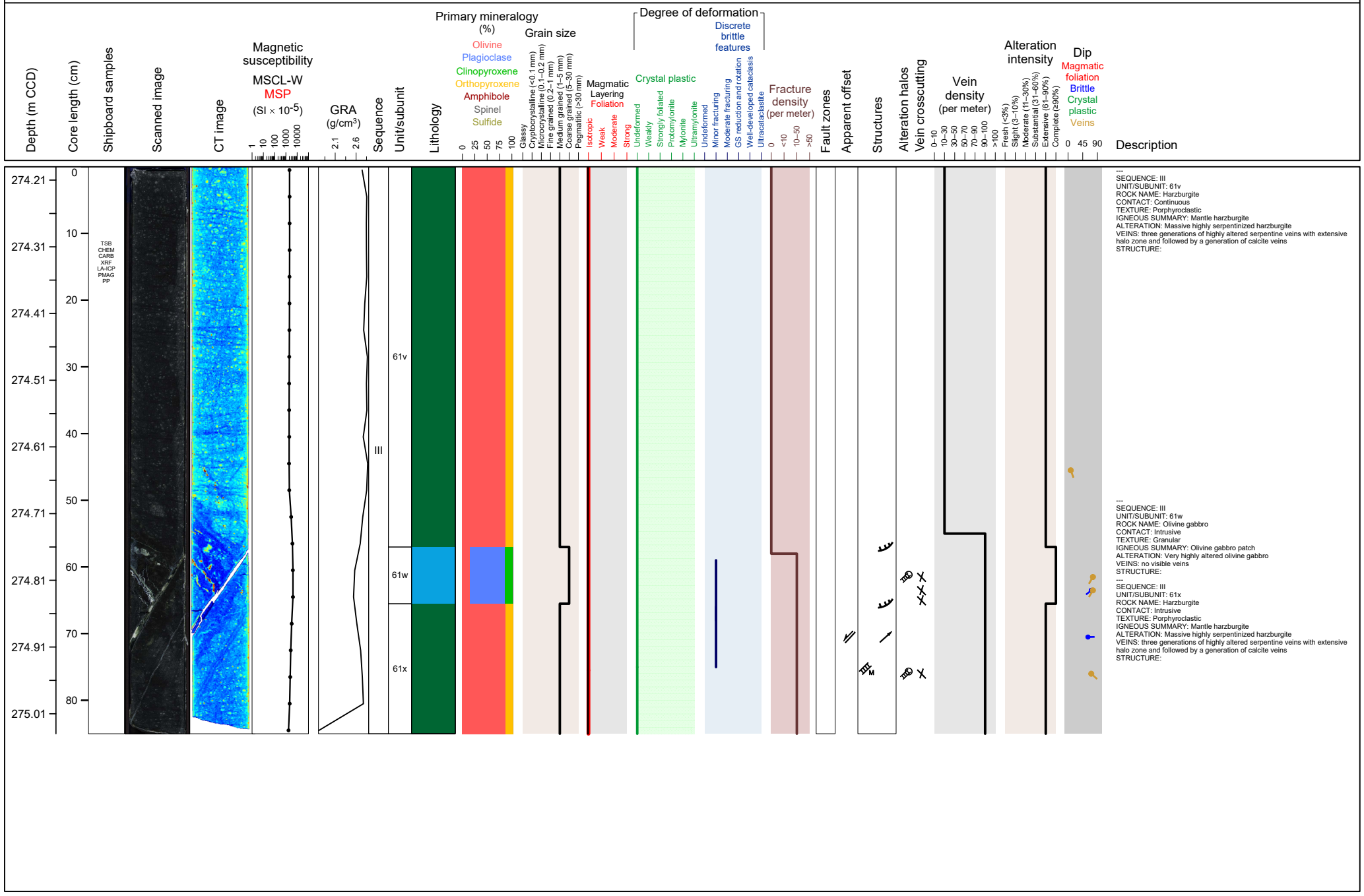
Hole CM2B-119Z Section 1, Top of Section 272.60 (m CCD)



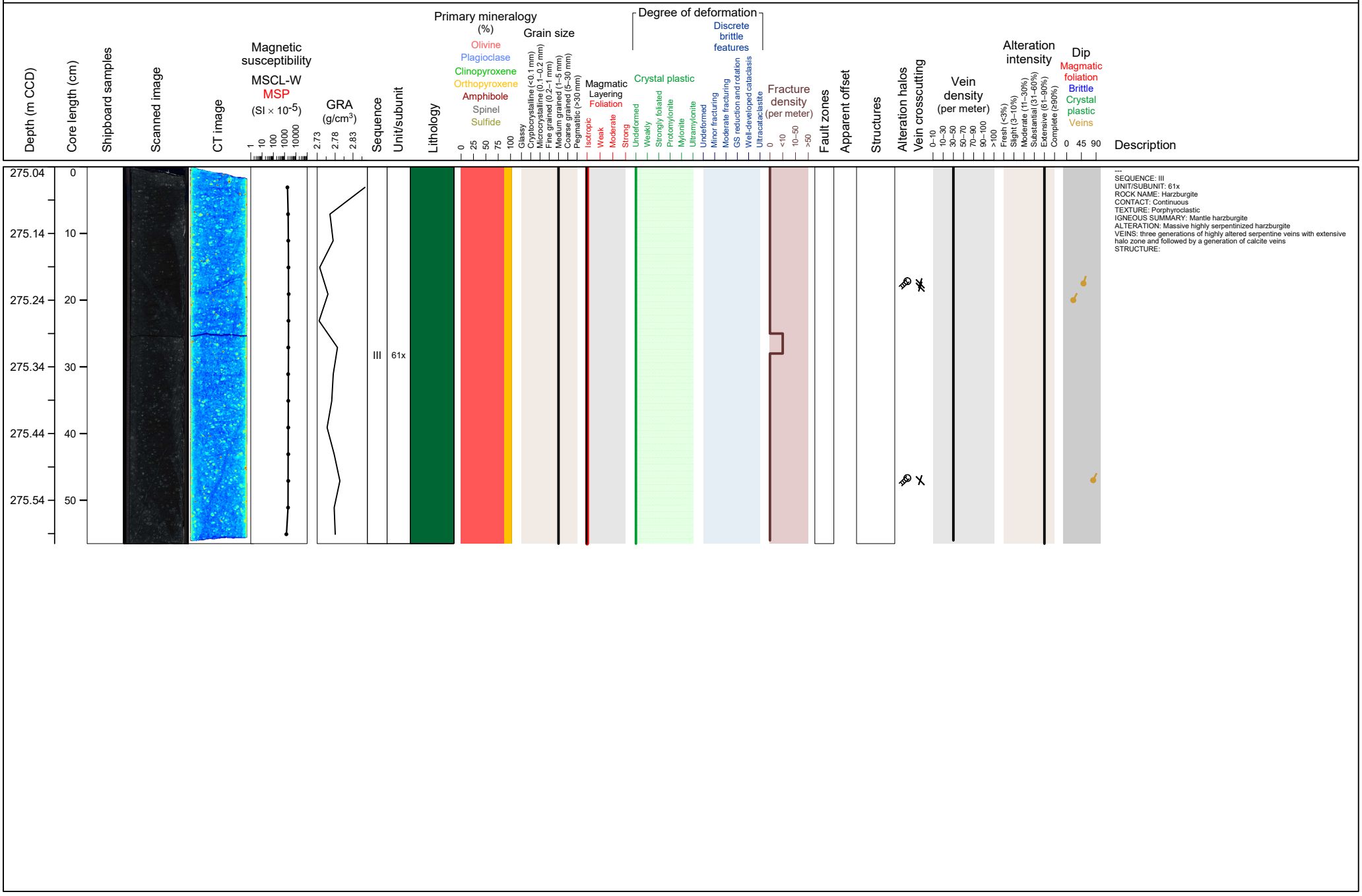
Hole CM2B-119Z Section 2, Top of Section 273.39 (m CCD)



Hole CM2B-119Z Section 3, Top of Section 274.19 (m CCD)

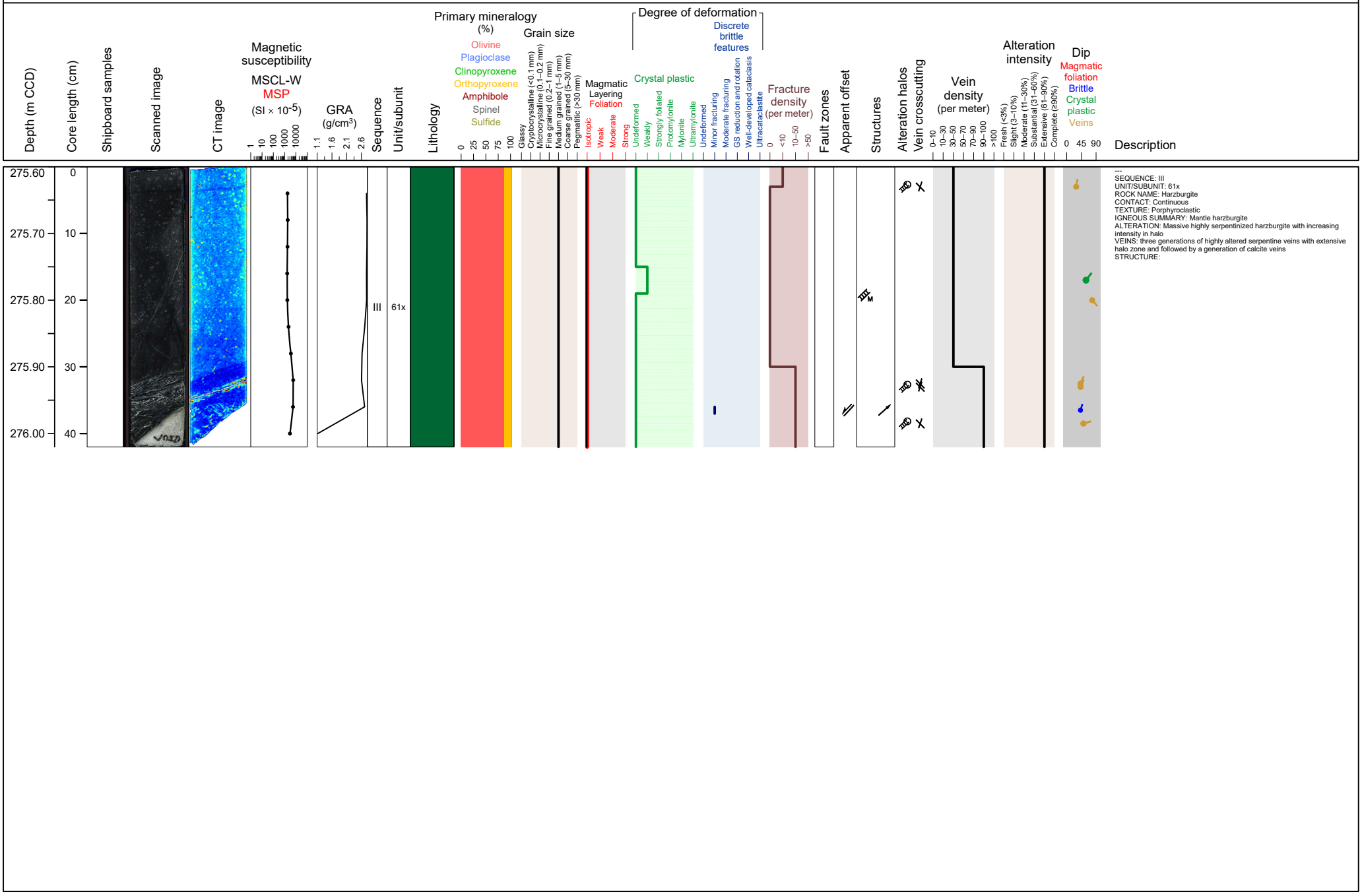


Hole CM2B-119Z Section 4, Top of Section 275.04 (m CCD)

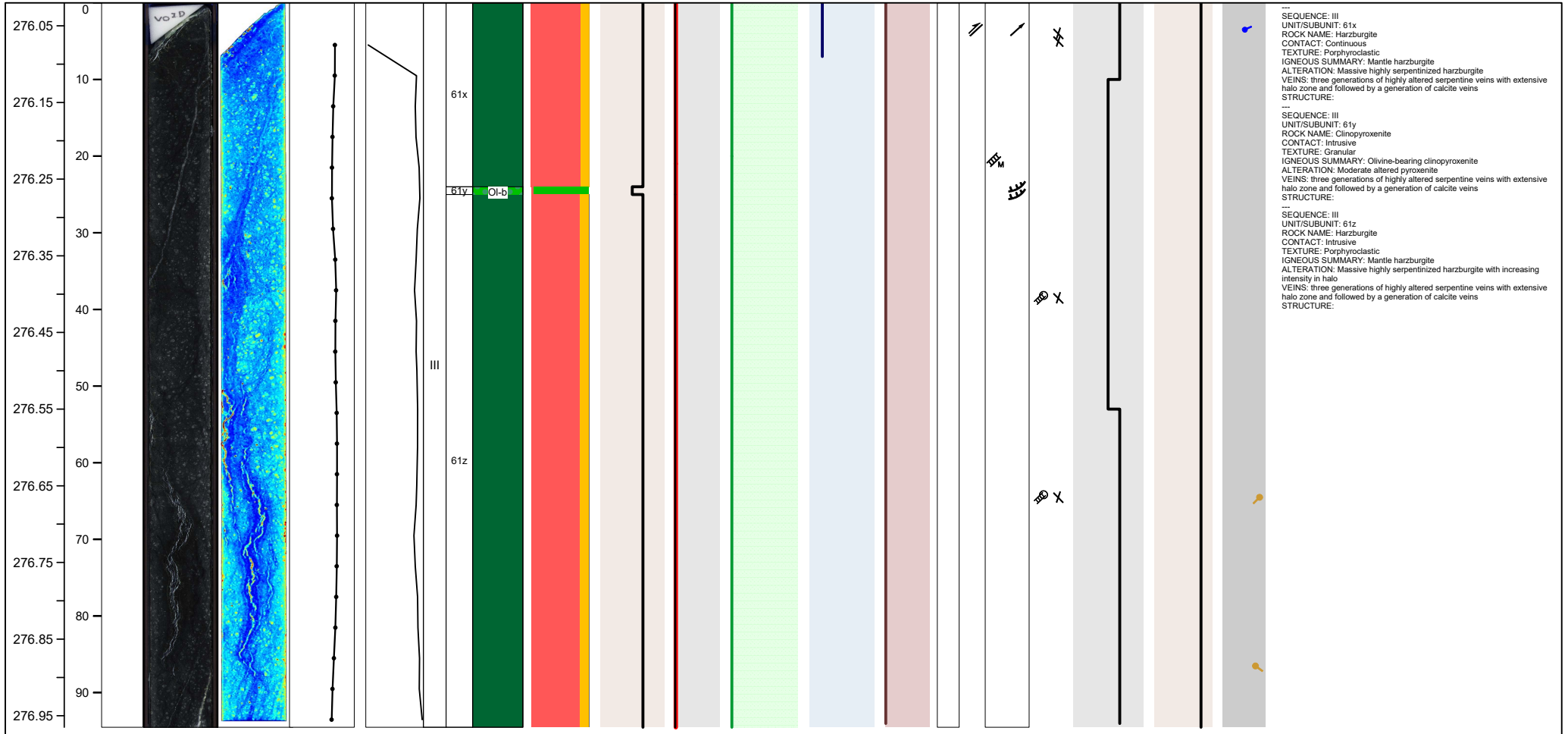


SEQUENCE: III
UNIT/SUBUNIT: 61x
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

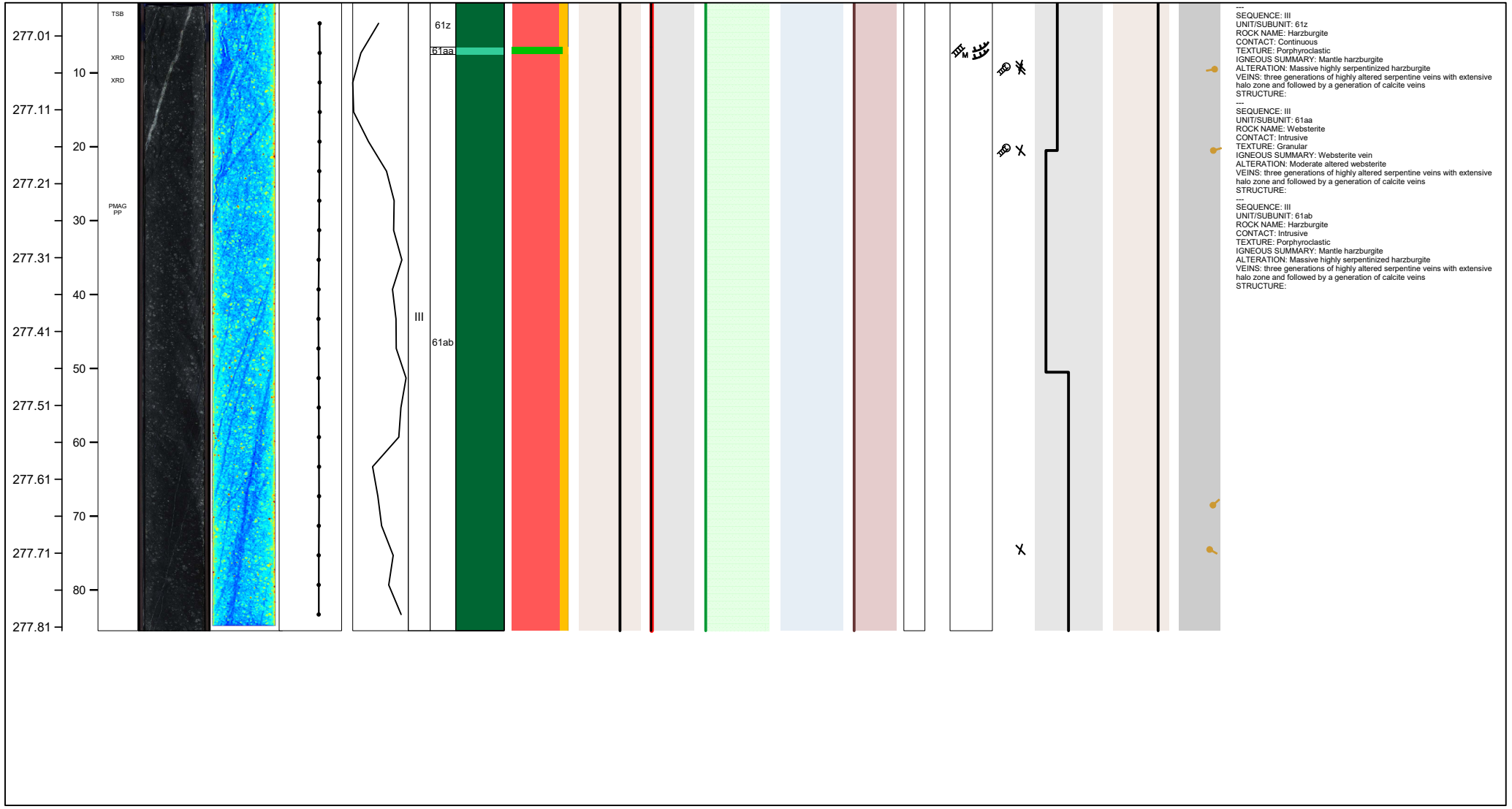
Hole CM2B-120Z Section 1, Top of Section 275.60 (m CCD)



Hole CM2B-120Z Section 2, Top of Section 276.02 (m CCD)



Hole CM2B-120Z Section 3, Top of Section 276.97 (m CCD)

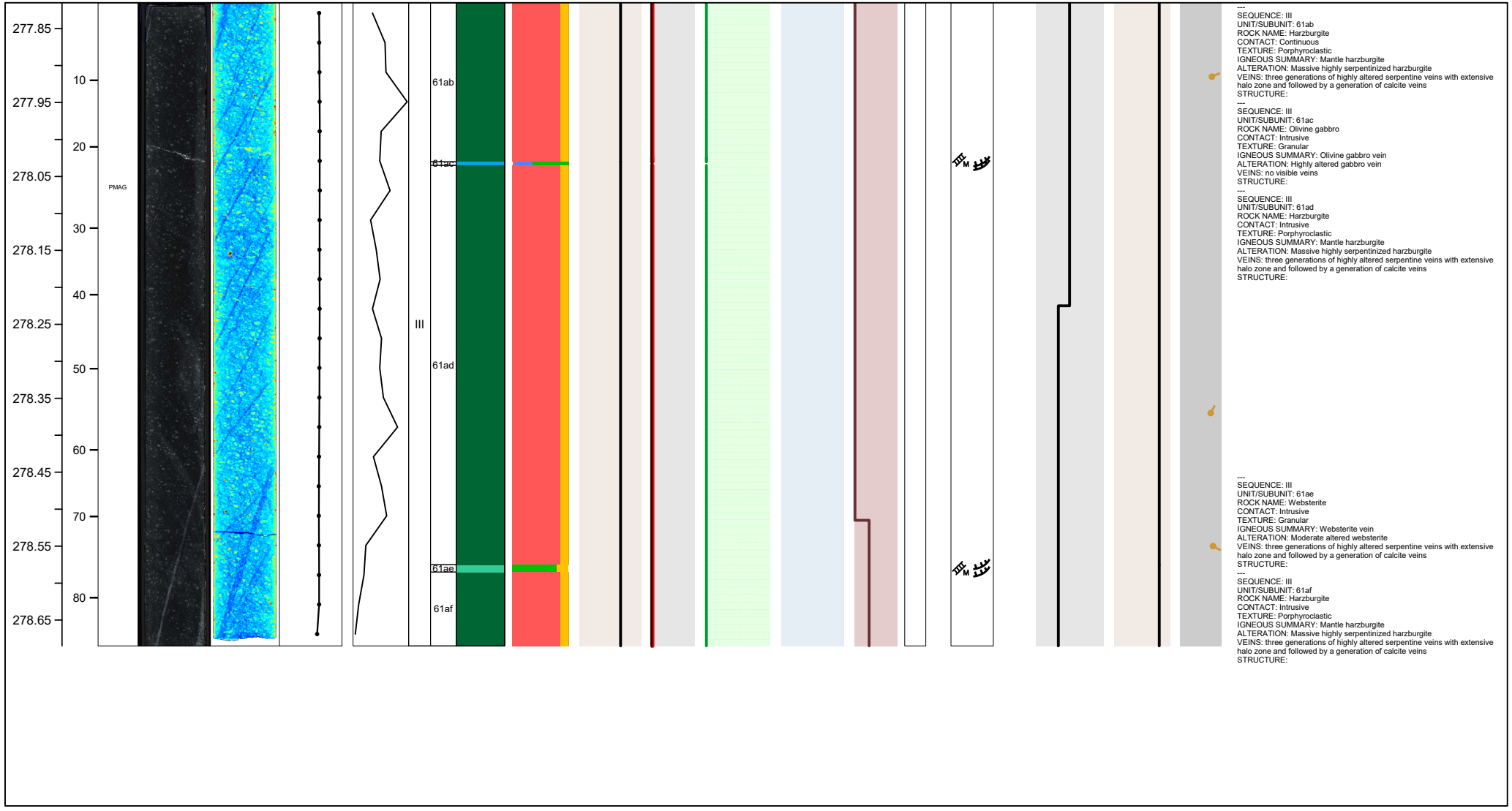


SEQUENCE: III
UNIT/SUBUNIT: 61z
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61aa
ROCK NAME: Websterite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Websterite vein
ALTERATION: Moderate altered websterite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61ab
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-120Z Section 4, Top of Section 277.82 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 61ab
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

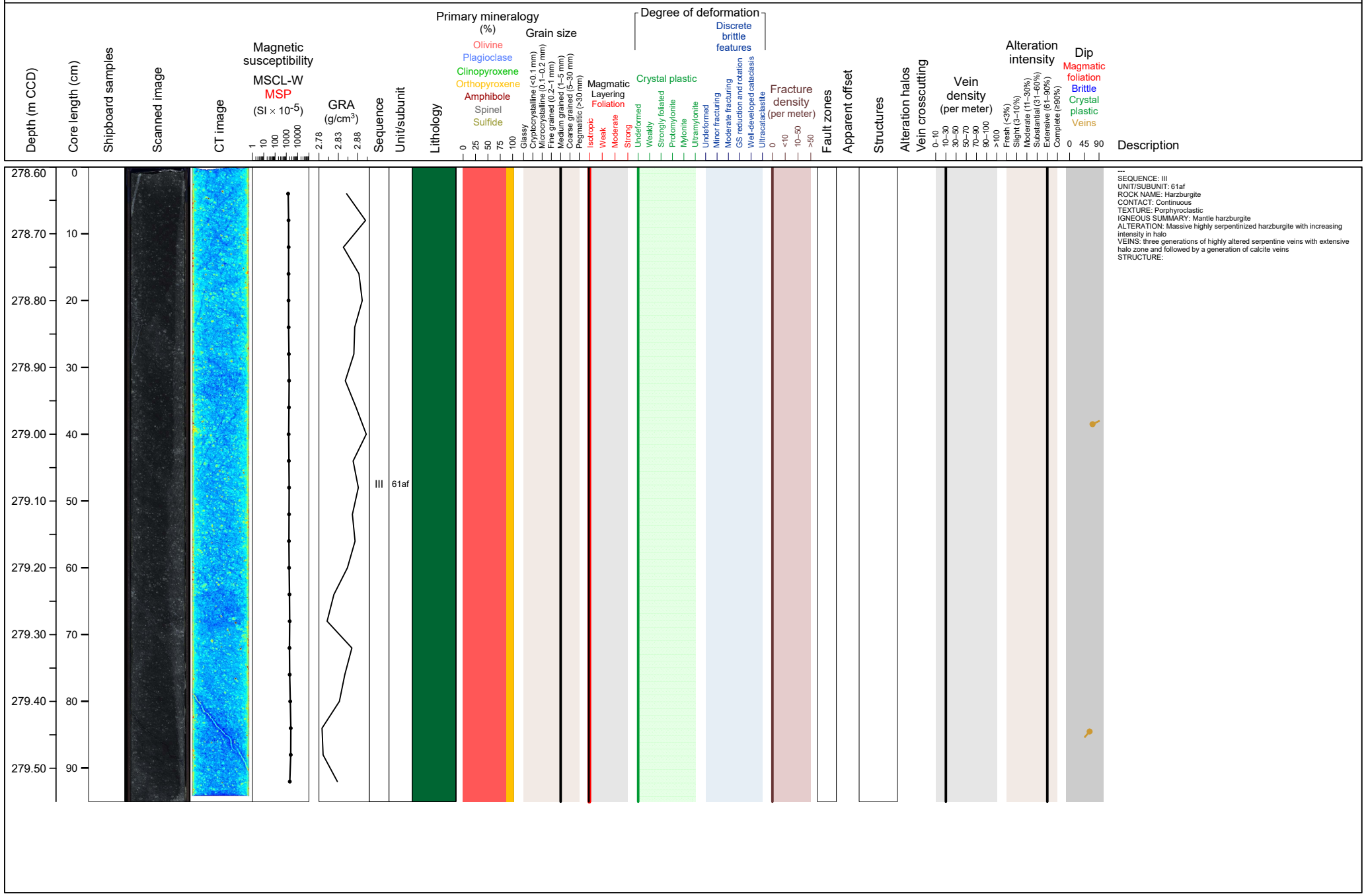
SEQUENCE: III
UNIT/SUBUNIT: 61ac
ROCK NAME: Olivine gabbro
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Olivine gabbro vein
ALTERATION: Highly altered gabbro vein
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61ad
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61ae
ROCK NAME: Websterite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Websterite vein
ALTERATION: Moderate altered websterite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

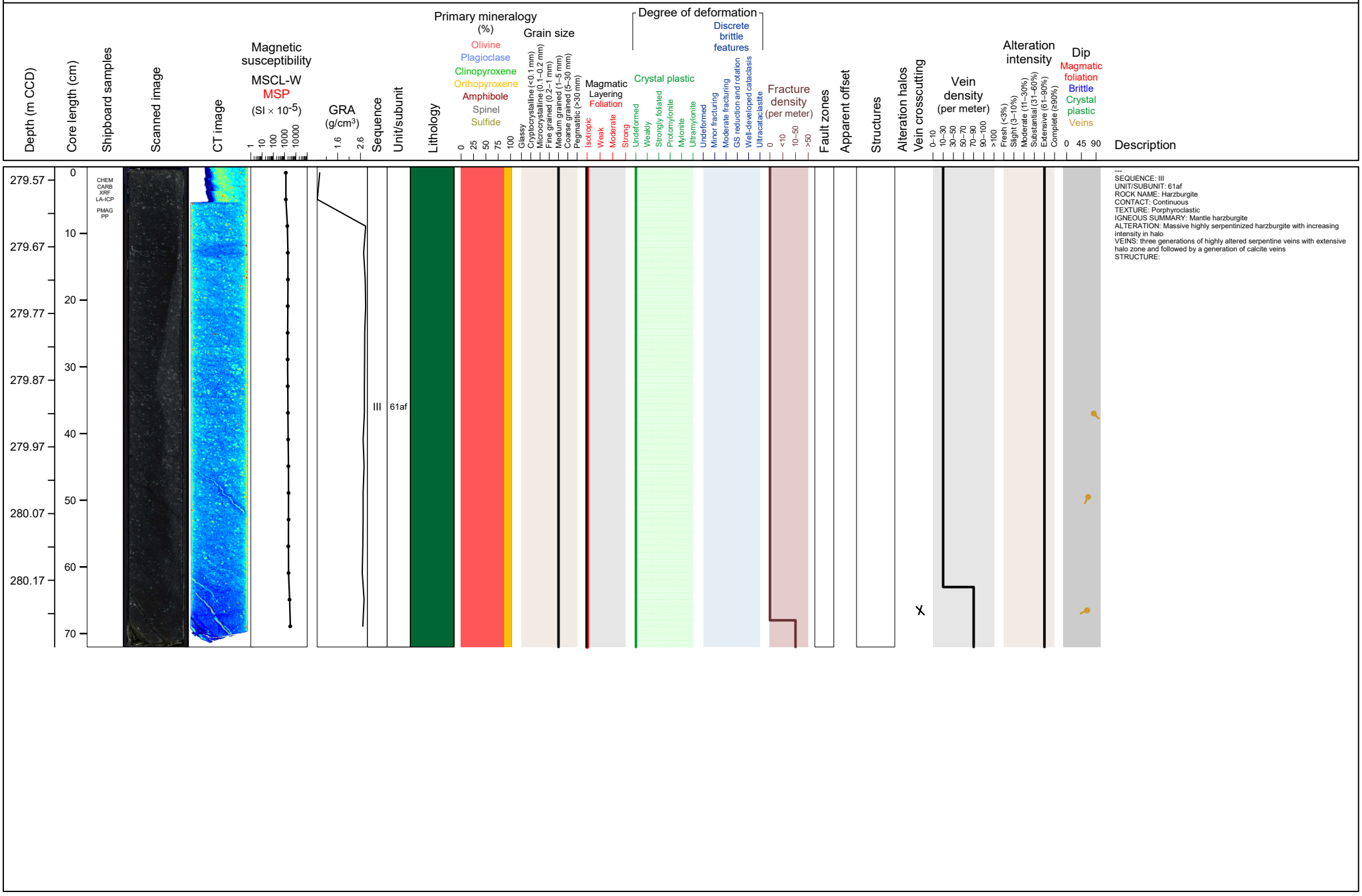
SEQUENCE: III
UNIT/SUBUNIT: 61af
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-121Z Section 1, Top of Section 278.60 (m CCD)



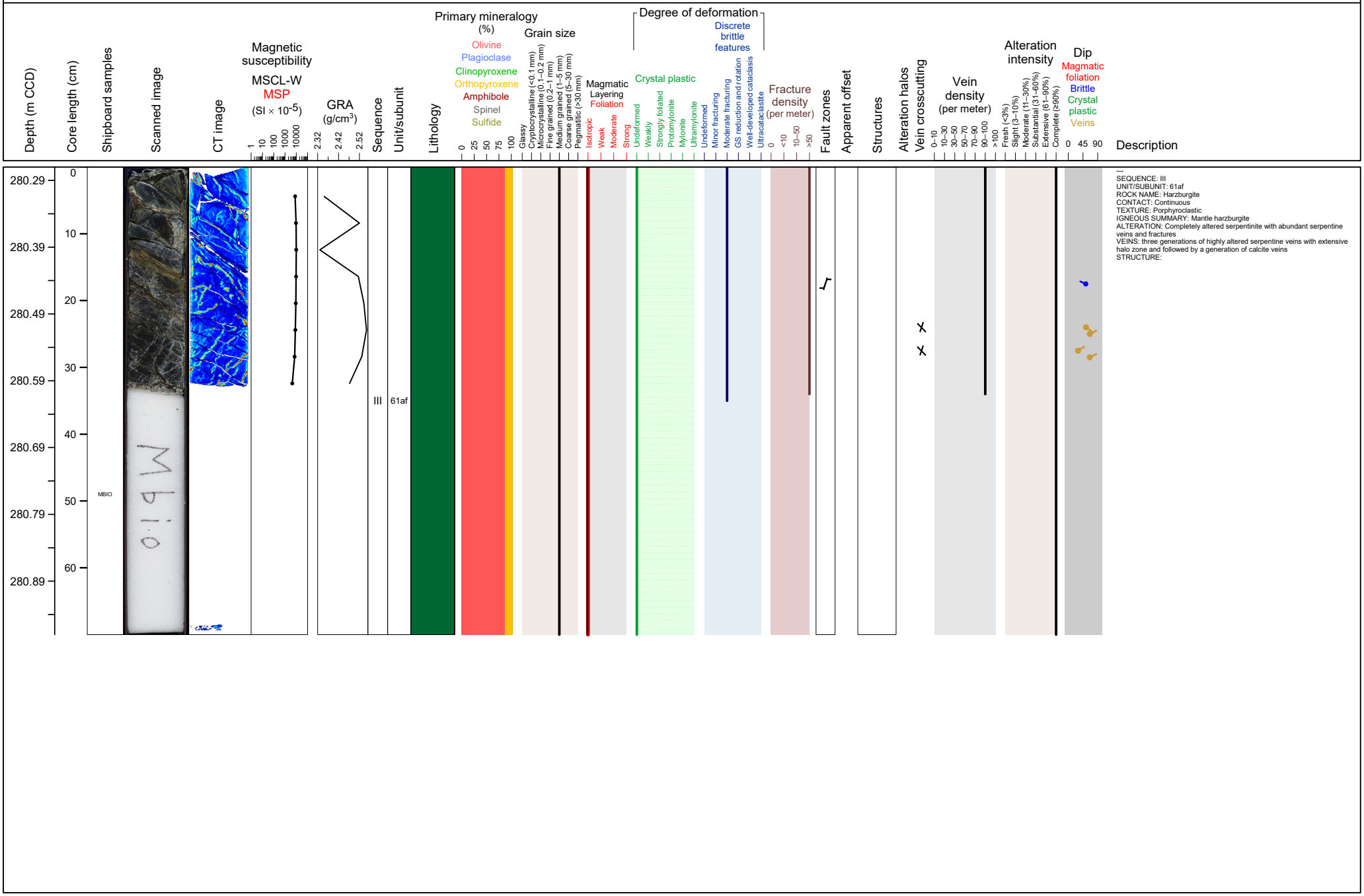
SEQUENCE: III
UNIT/SUBUNIT: 61af
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-121Z Section 2, Top of Section 279.55 (m CCD)

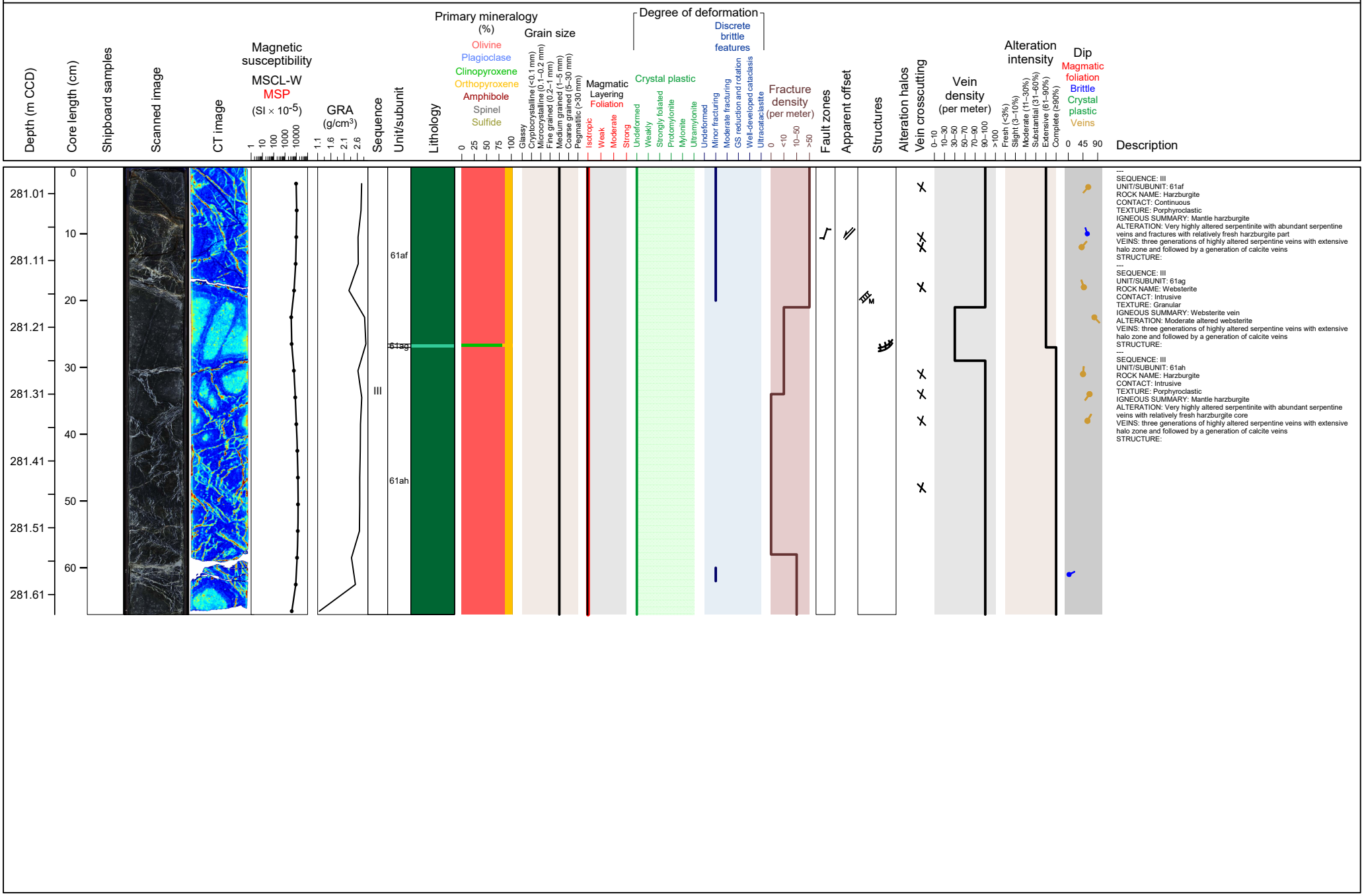


SEQUENCE: III
UNIT/SUBUNIT: 61af
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-121Z Section 3, Top of Section 280.27 (m CCD)



Hole CM2B-121Z Section 4, Top of Section 280.97 (m CCD)

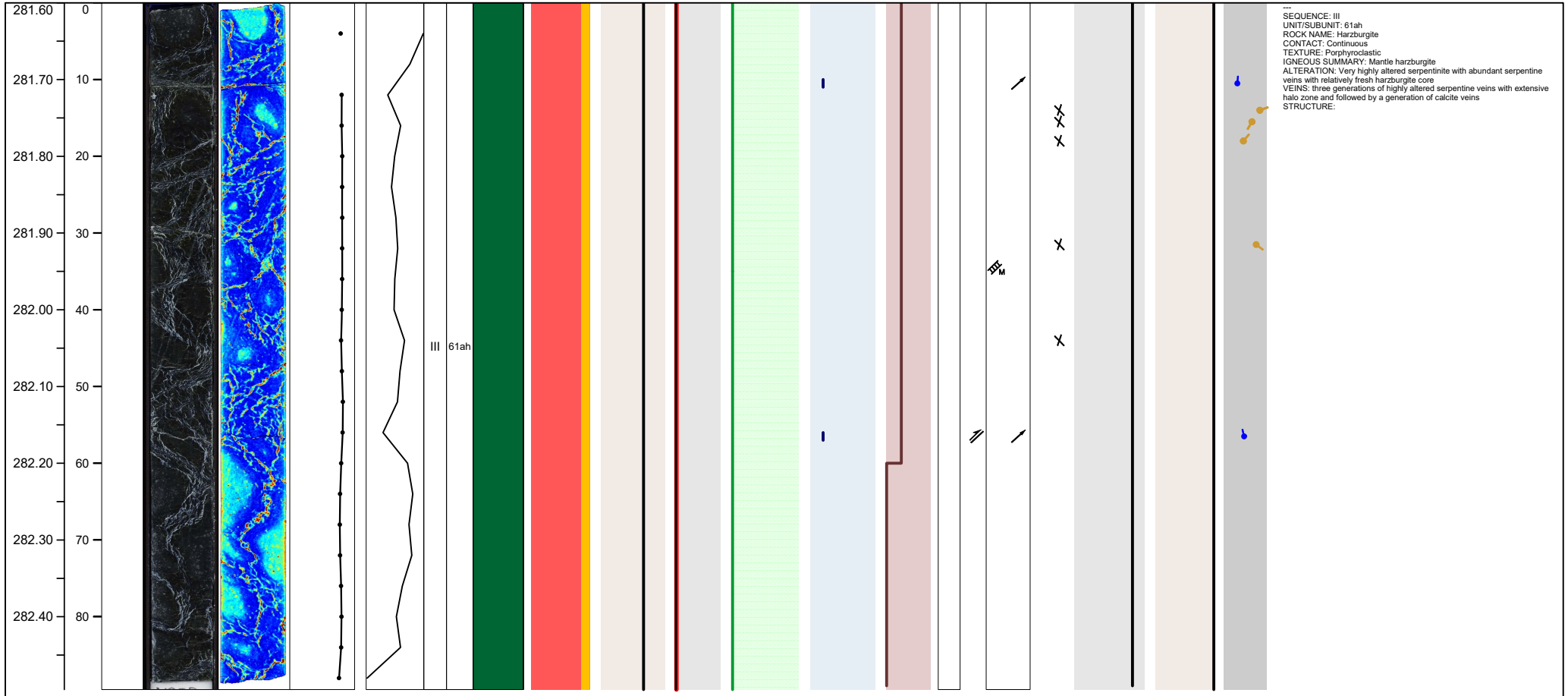


SEQUENCE: III
UNIT/SUBUNIT: 61af
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Very highly altered serpentinite with abundant serpentine veins and fractures with relatively fresh harzburgite part
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

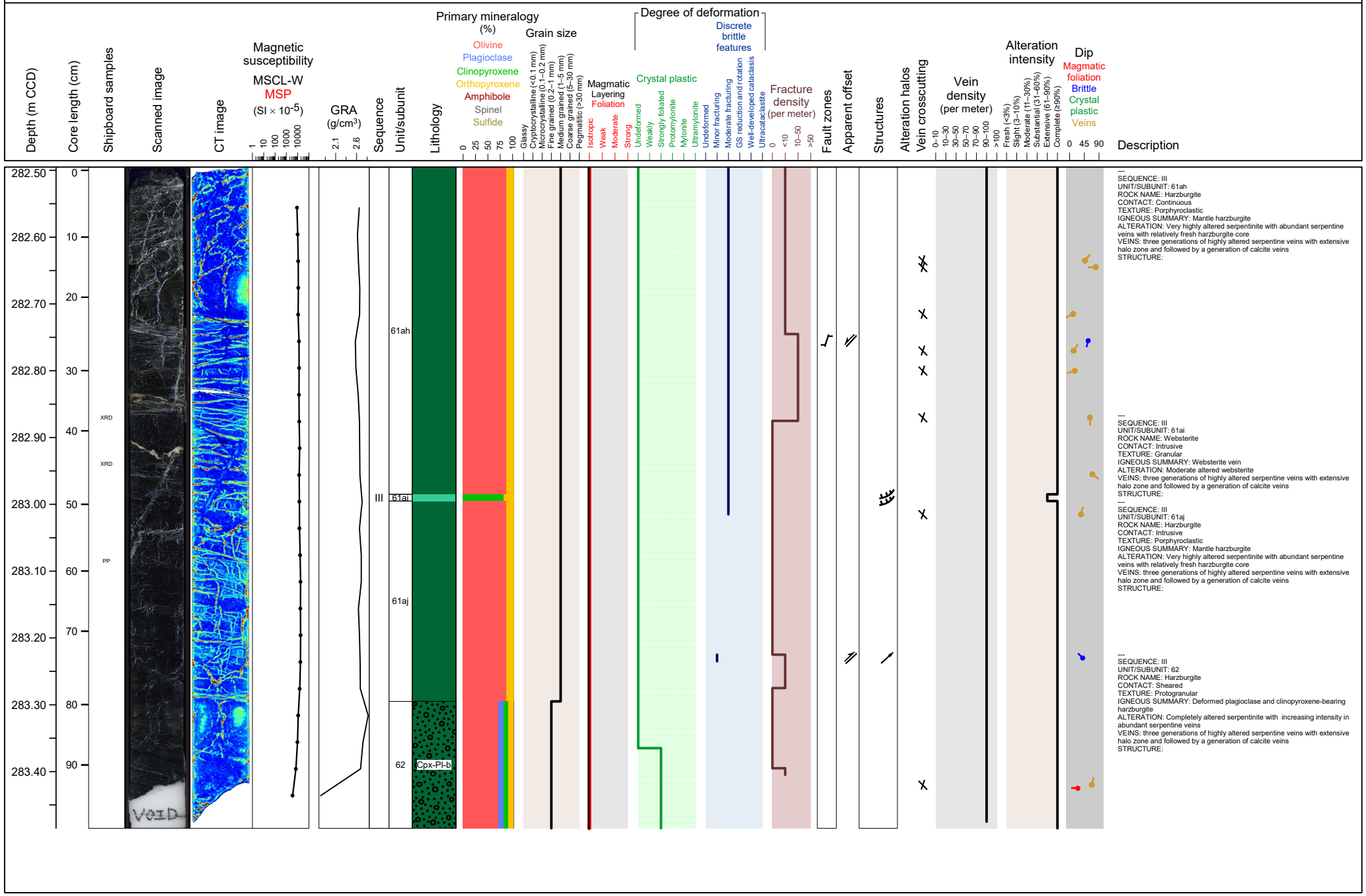
SEQUENCE: III
UNIT/SUBUNIT: 61ag
ROCK NAME: Websterite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Websterite vein
ALTERATION: Moderate altered websterite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61ah
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Very highly altered serpentinite with abundant serpentine veins with relatively fresh harzburgite core
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-122Z Section 1, Top of Section 281.60 (m CCD)



Hole CM2B-122Z Section 2, Top of Section 282.50 (m CCD)



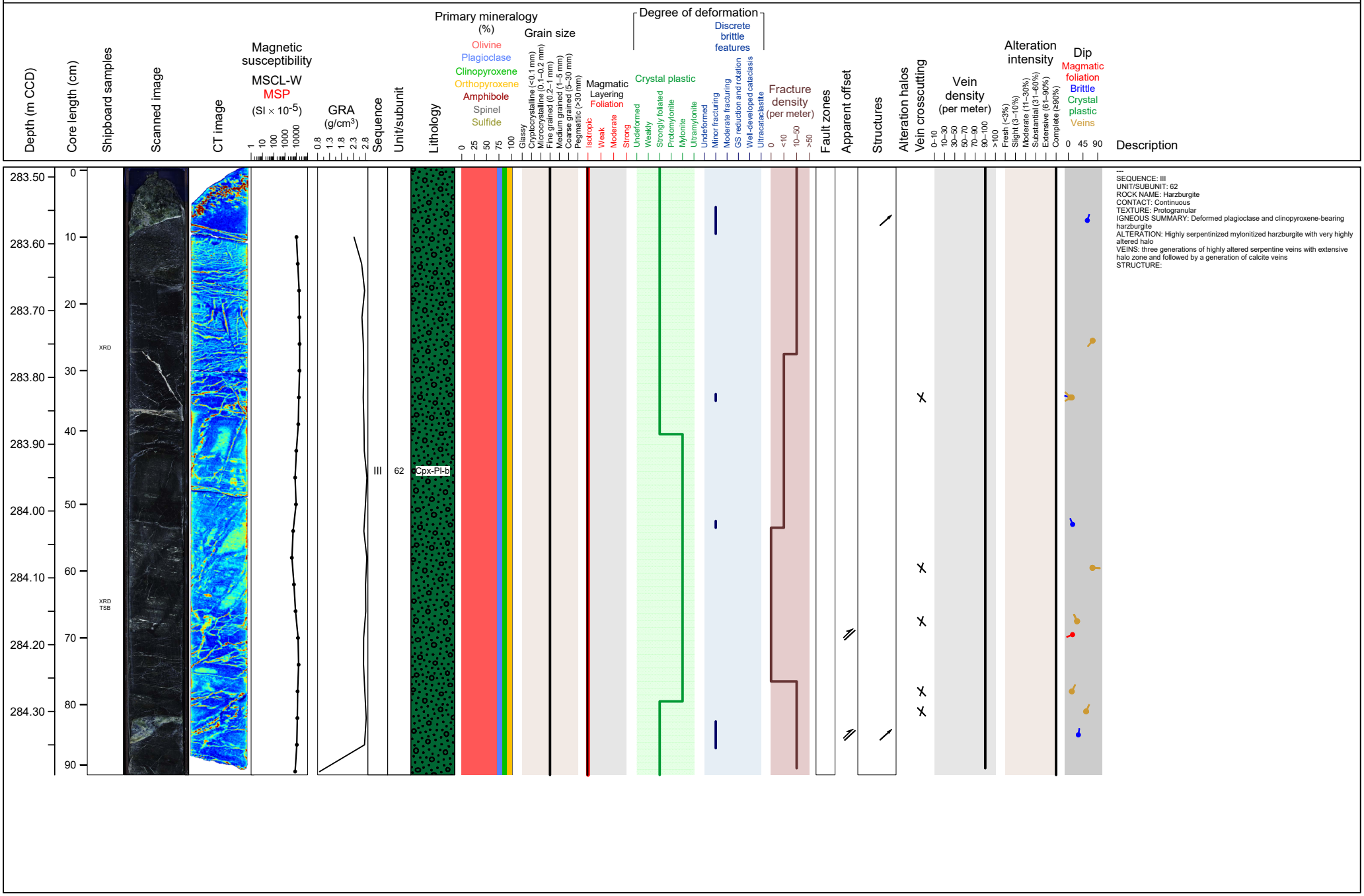
SEQUENCE: III
UNIT/SUBUNIT: 61ah
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Very highly altered serpentinite with abundant serpentine veins with relatively fresh harzburgite core
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 61ai
ROCK NAME: Websterite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Websterite vein
ALTERATION: Moderate altered websterite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

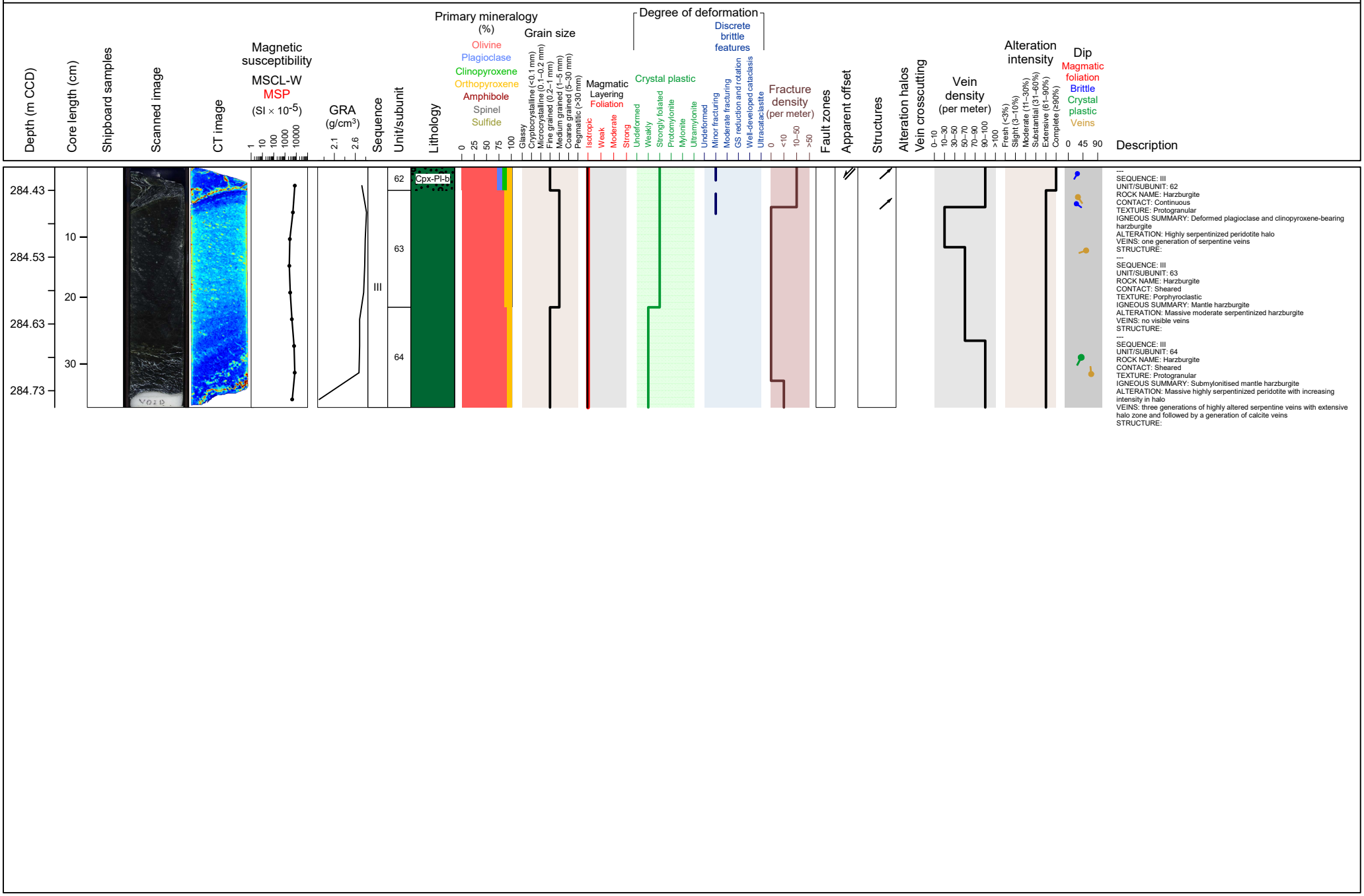
SEQUENCE: III
UNIT/SUBUNIT: 61aj
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Very highly altered serpentinite with abundant serpentine veins with relatively fresh harzburgite core
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 62
ROCK NAME: Harzburgite
CONTACT: Sheared
TEXTURE: Protogranular
IGNEOUS SUMMARY: Deformed plagioclase and clinopyroxene-bearing harzburgite
ALTERATION: Completely altered serpentinite with increasing intensity in abundant serpentine veins
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-122Z Section 3, Top of Section 283.49 (m CCD)



Hole CM2B-122Z Section 4, Top of Section 284.40 (m CCD)

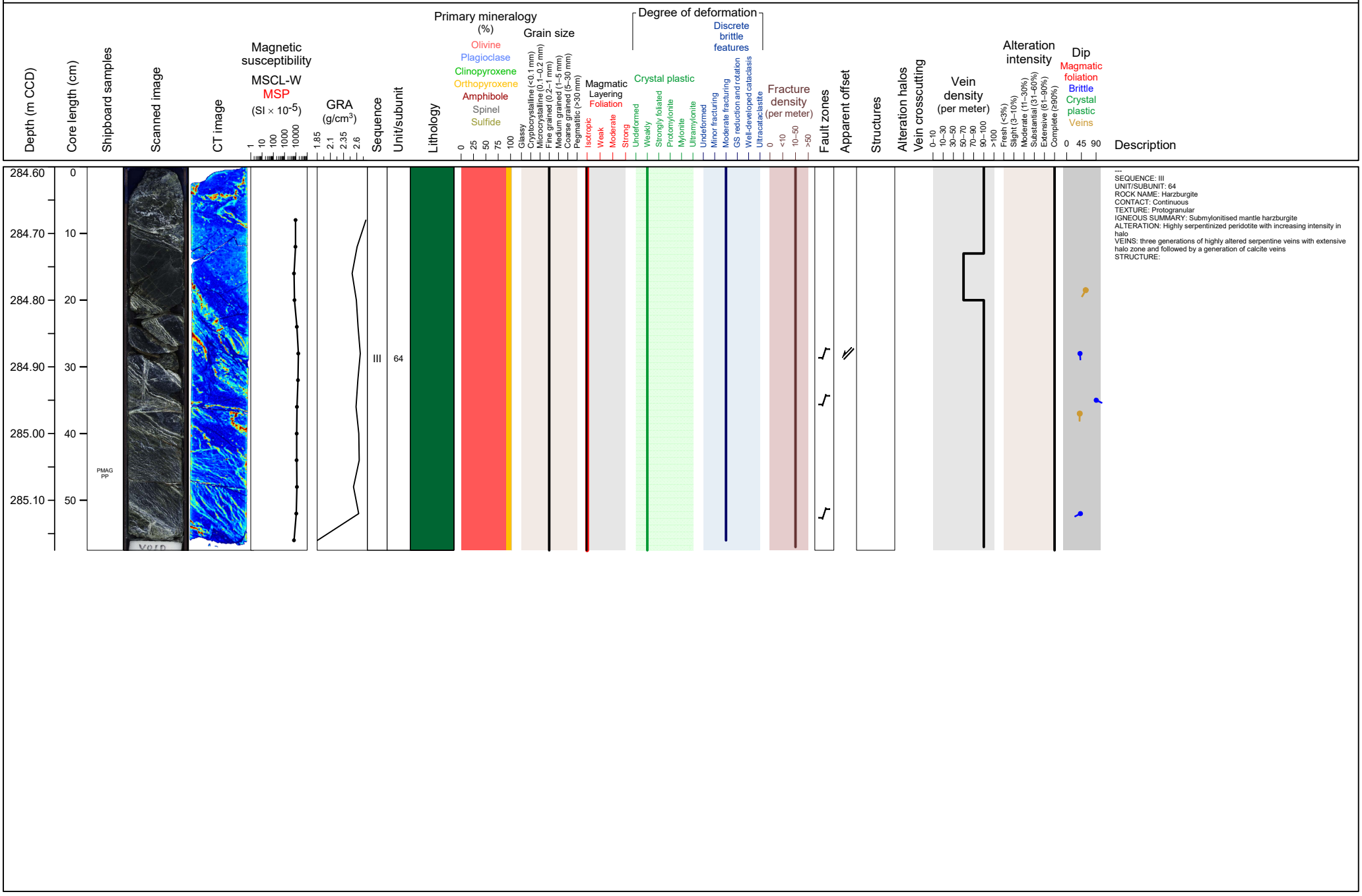


SEQUENCE: III
UNIT/SUBUNIT: 62
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Protogranular
IGNEOUS SUMMARY: Deformed plagioclase and clinopyroxene-bearing harzburgite
ALTERATION: Highly serpentinized peridotite halo
VEINS: one generation of serpentine veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 63
ROCK NAME: Harzburgite
CONTACT: Sheared
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive moderate serpentinized harzburgite
VEINS: no visible veins
STRUCTURE:

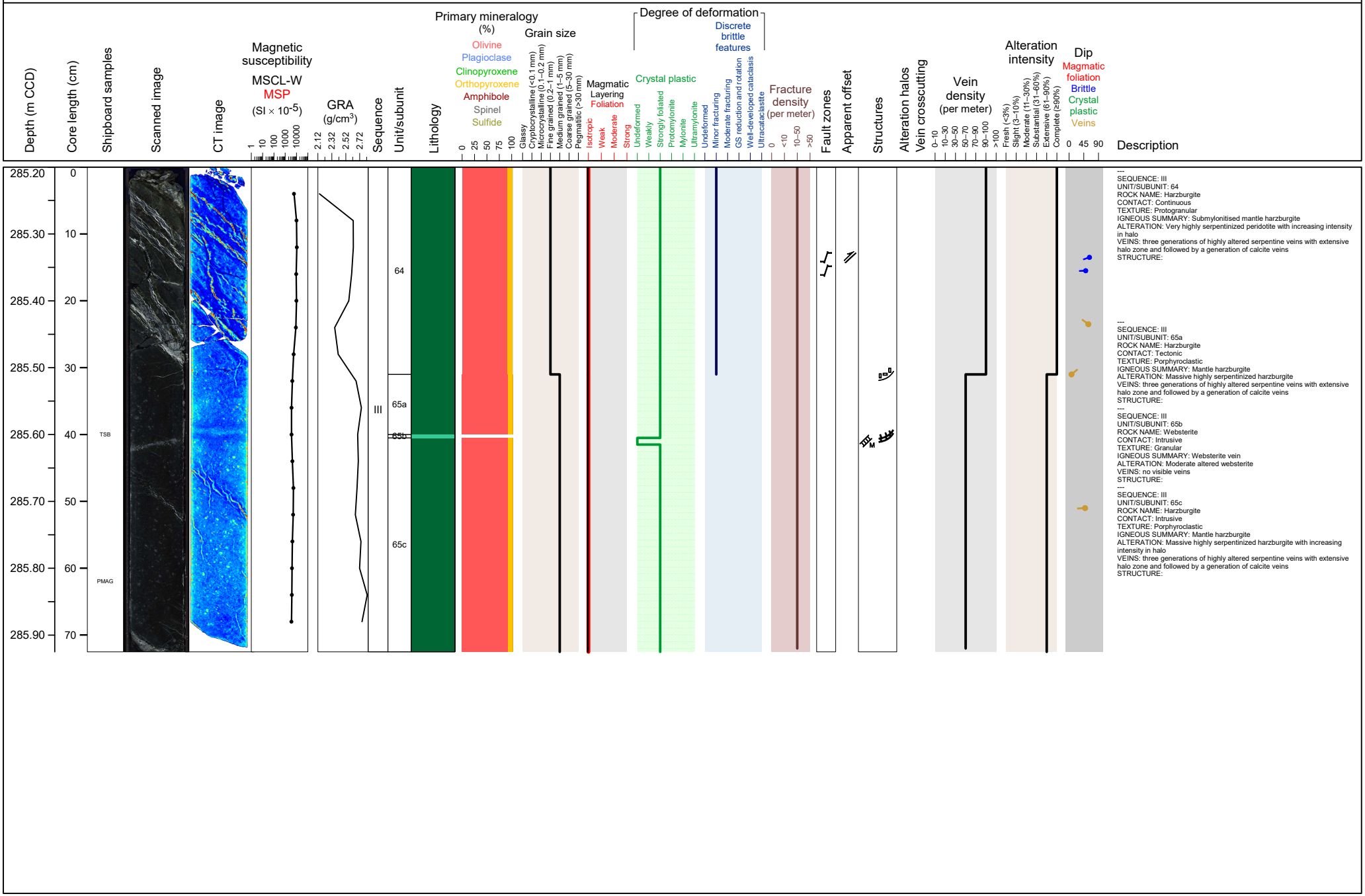
SEQUENCE: III
UNIT/SUBUNIT: 64
ROCK NAME: Harzburgite
CONTACT: Sheared
TEXTURE: Protogranular
IGNEOUS SUMMARY: Submylonitised mantle harzburgite
ALTERATION: Massive highly serpentinized peridotite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-123Z Section 1, Top of Section 284.60 (m CCD)

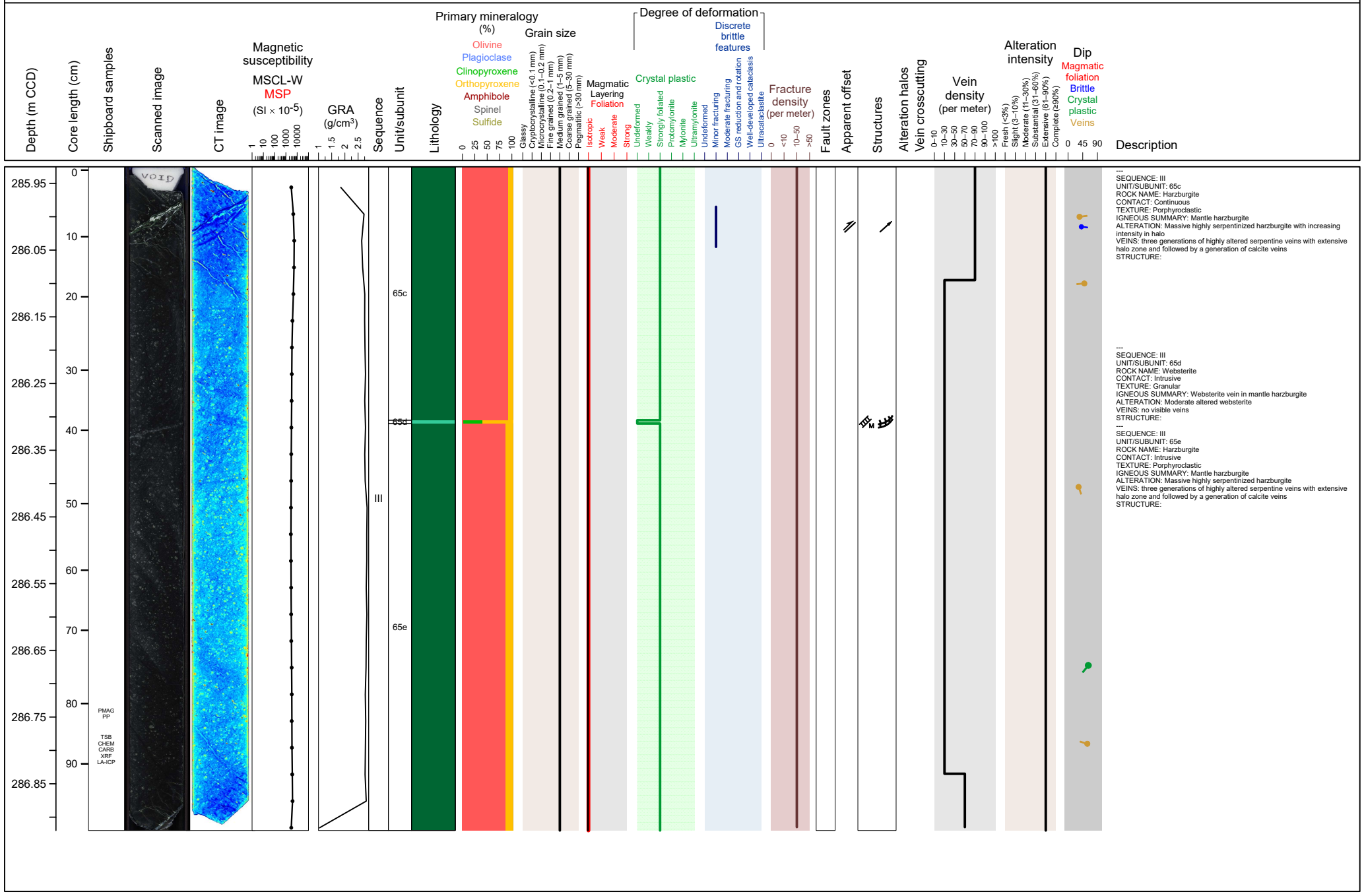


SEQUENCE: III
UNIT/SUBUNIT: 64
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Protogranular
IGNEOUS SUMMARY: Submylonitised mantle harzburgite
ALTERATION: Highly serpentinized peridotite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-124Z Section 1, Top of Section 285.20 (m CCD)



Hole CM2B-124Z Section 2, Top of Section 285.93 (m CCD)

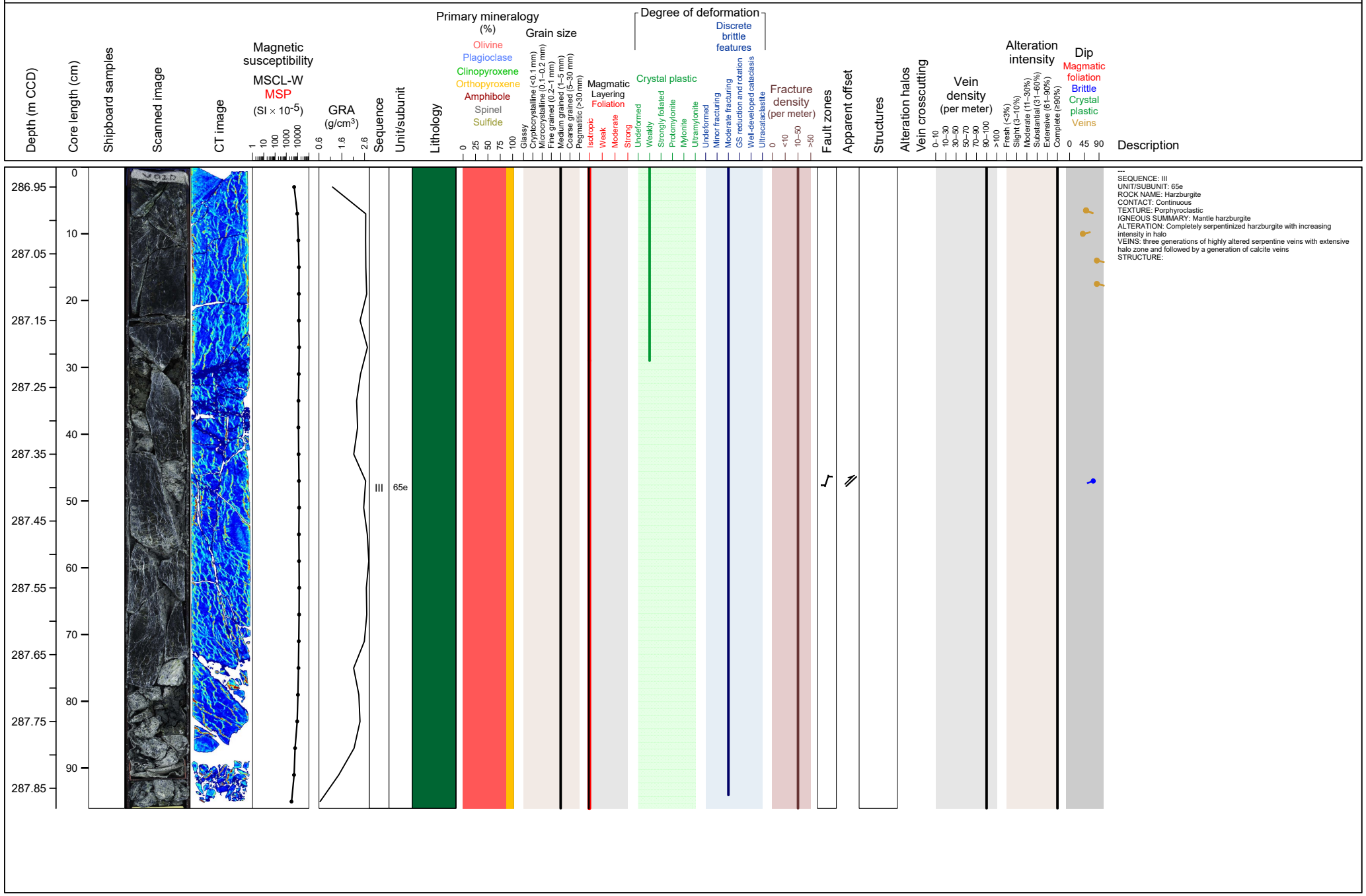


SEQUENCE: III
UNIT/SUBUNIT: 65c
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

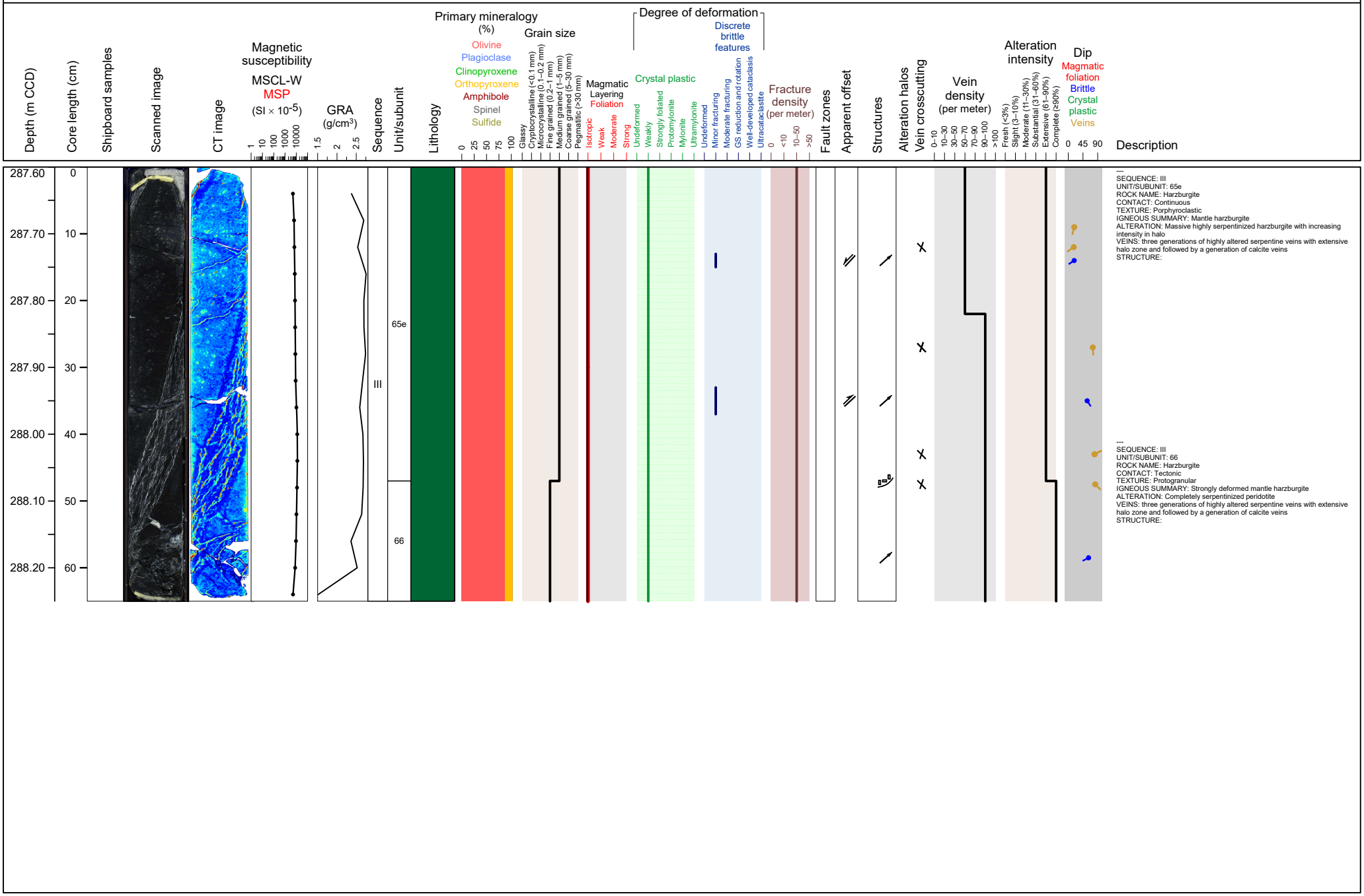
SEQUENCE: III
UNIT/SUBUNIT: 65d
ROCK NAME: Websterite
CONTACT: Intrusive
TEXTURE: Granular
IGNEOUS SUMMARY: Websterite vein in mantle harzburgite
ALTERATION: Moderate altered websterite
VEINS: no visible veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 65e
ROCK NAME: Harzburgite
CONTACT: Intrusive
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-124Z Section 3, Top of Section 286.92 (m CCD)



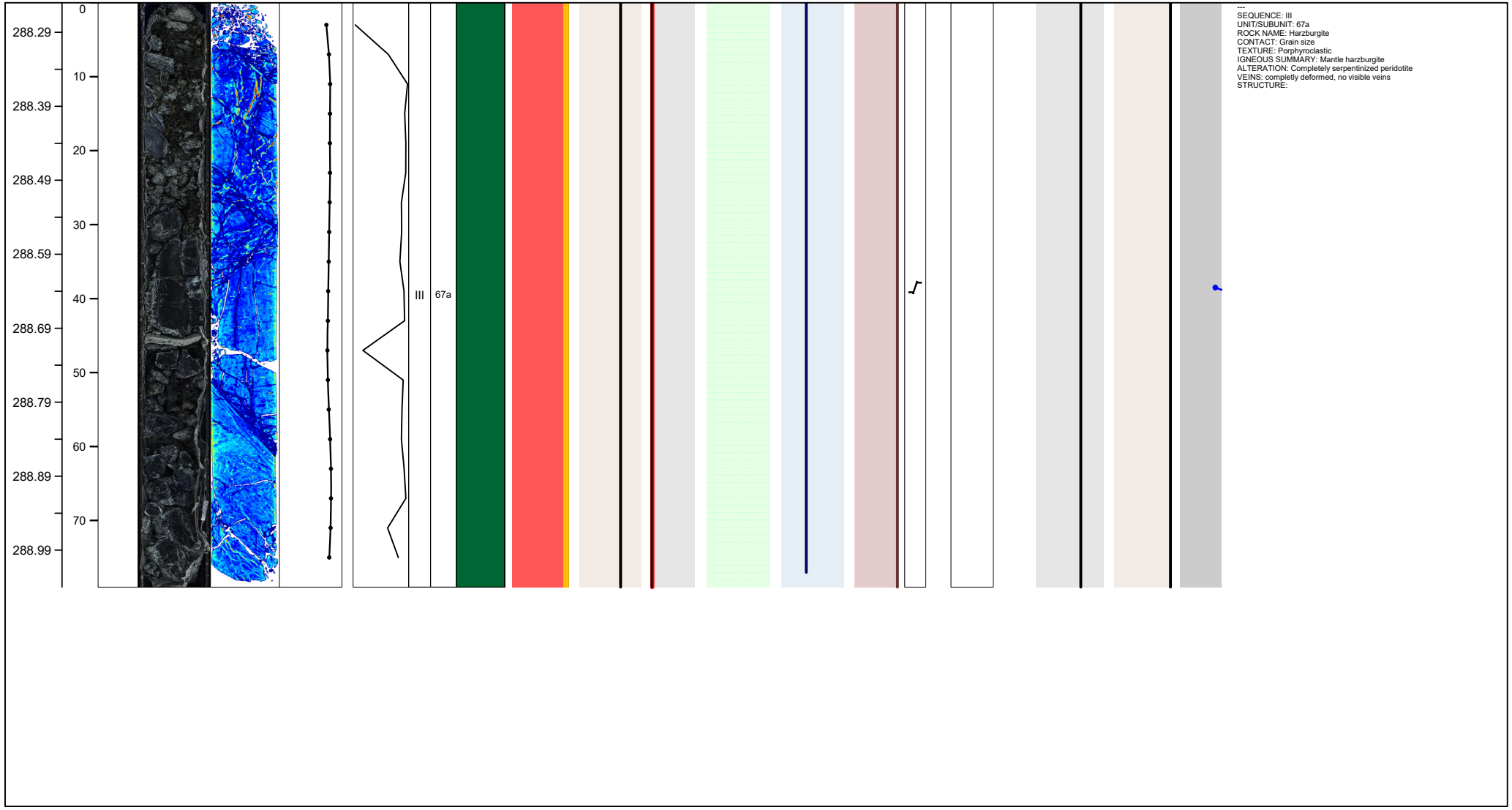
Hole CM2B-125Z Section 1, Top of Section 287.60 (m CCD)



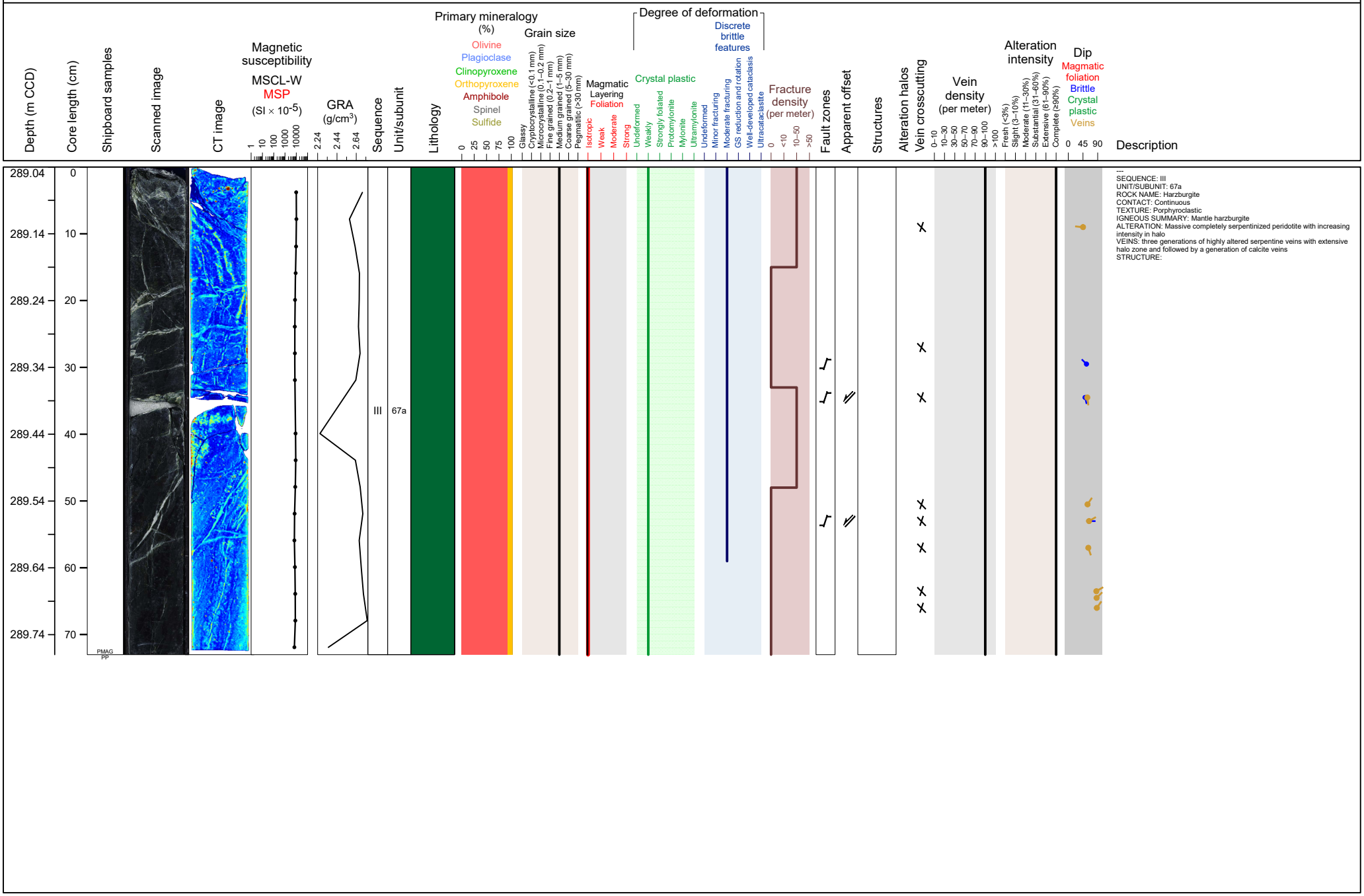
SEQUENCE: III
UNIT/SUBUNIT: 65e
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive highly serpentinized harzburgite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 66
ROCK NAME: Harzburgite
CONTACT: Tectonic
TEXTURE: Protogranular
IGNEOUS SUMMARY: Strongly deformed mantle harzburgite
ALTERATION: Completely serpentinized peridotite
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

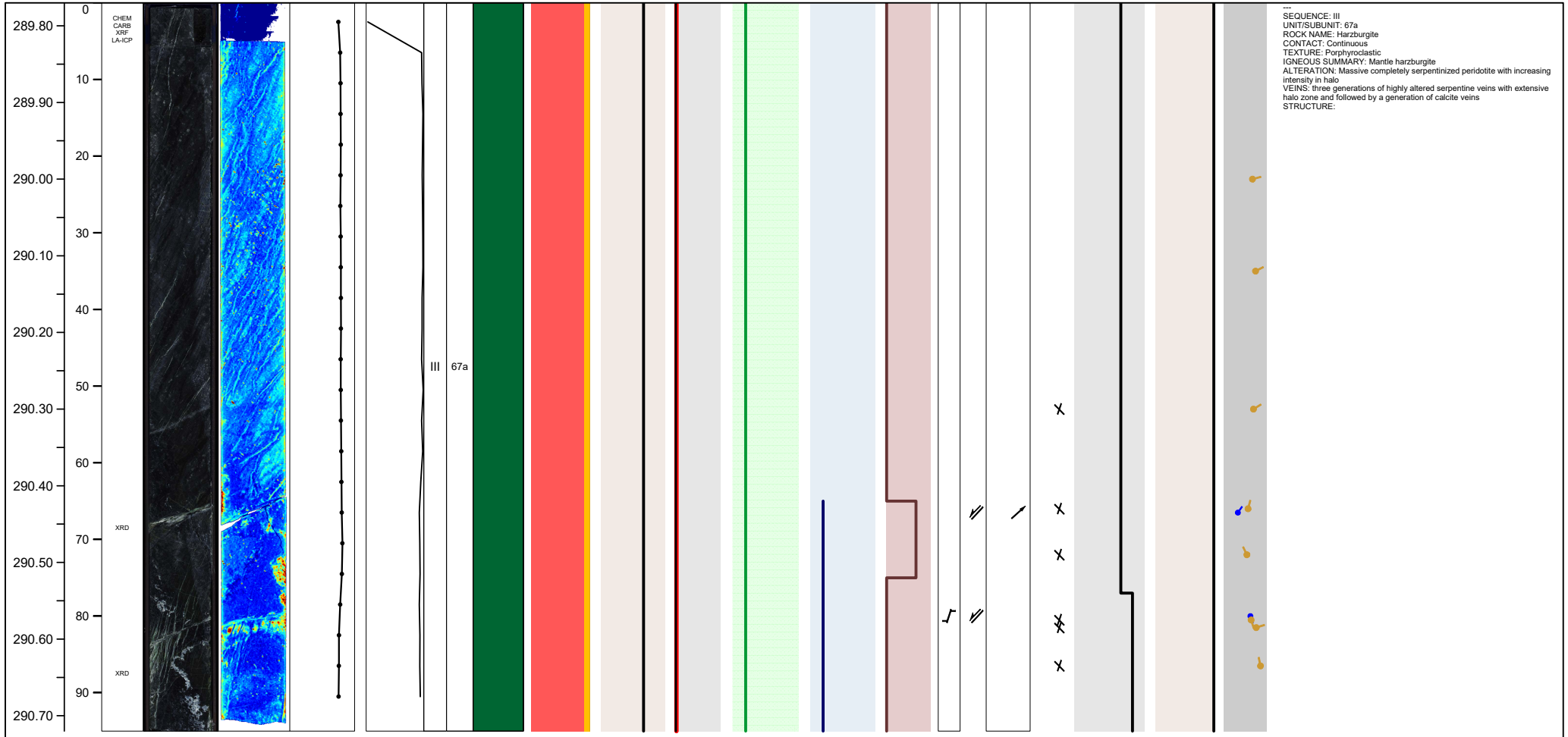
Hole CM2B-125Z Section 2, Top of Section 288.25 (m CCD)



Hole CM2B-125Z Section 3, Top of Section 289.04 (m CCD)

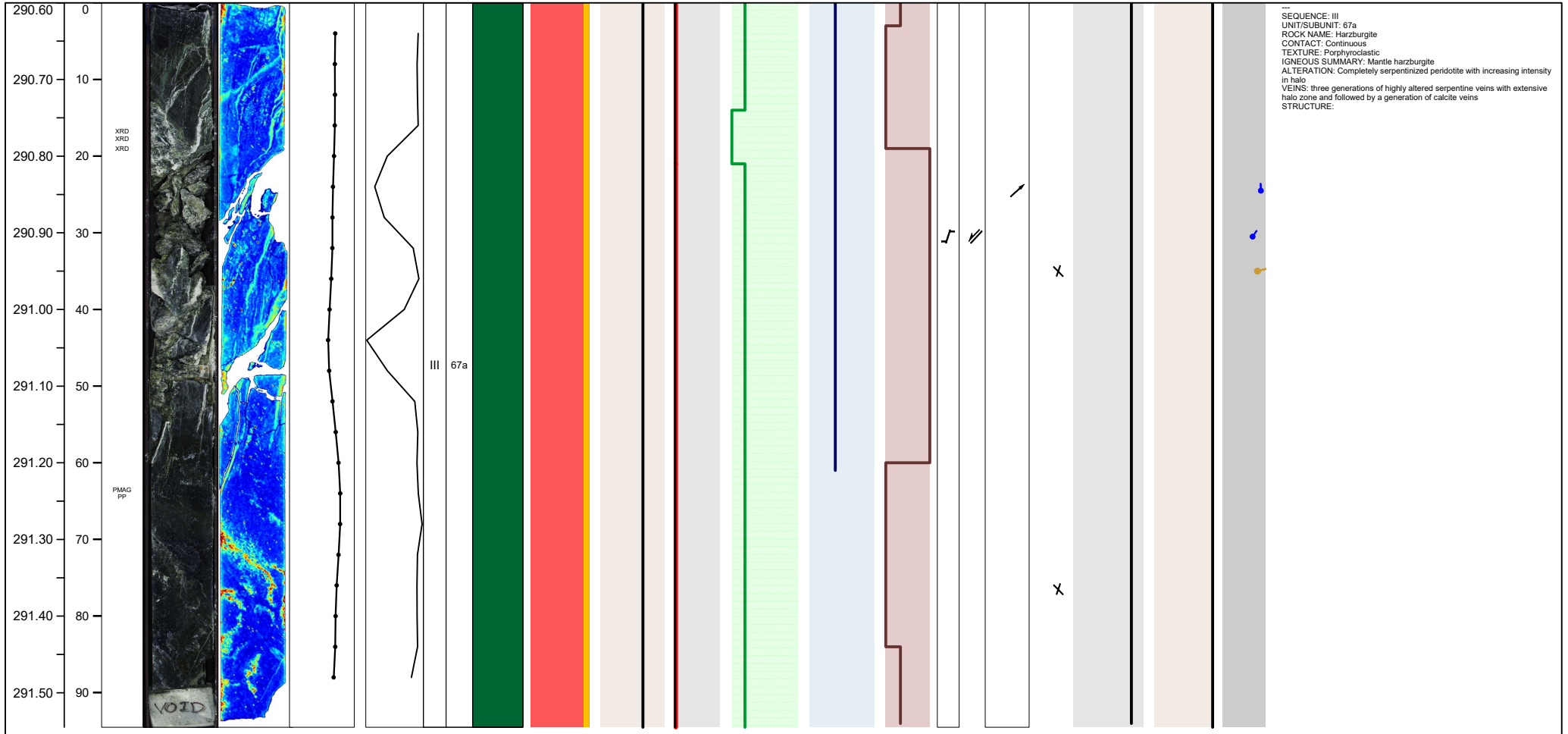


Hole CM2B-125Z Section 4, Top of Section 289.77 (m CCD)

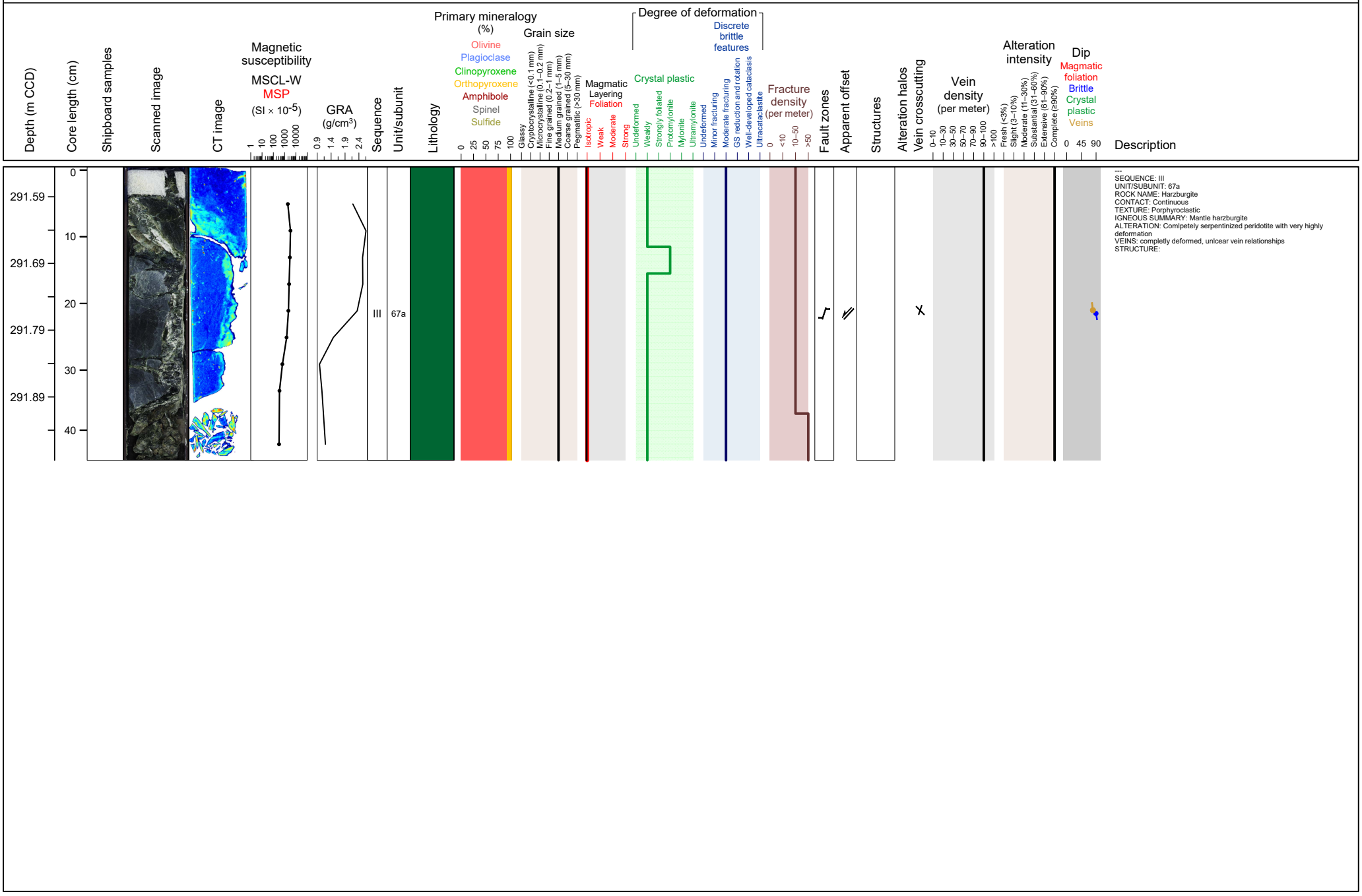


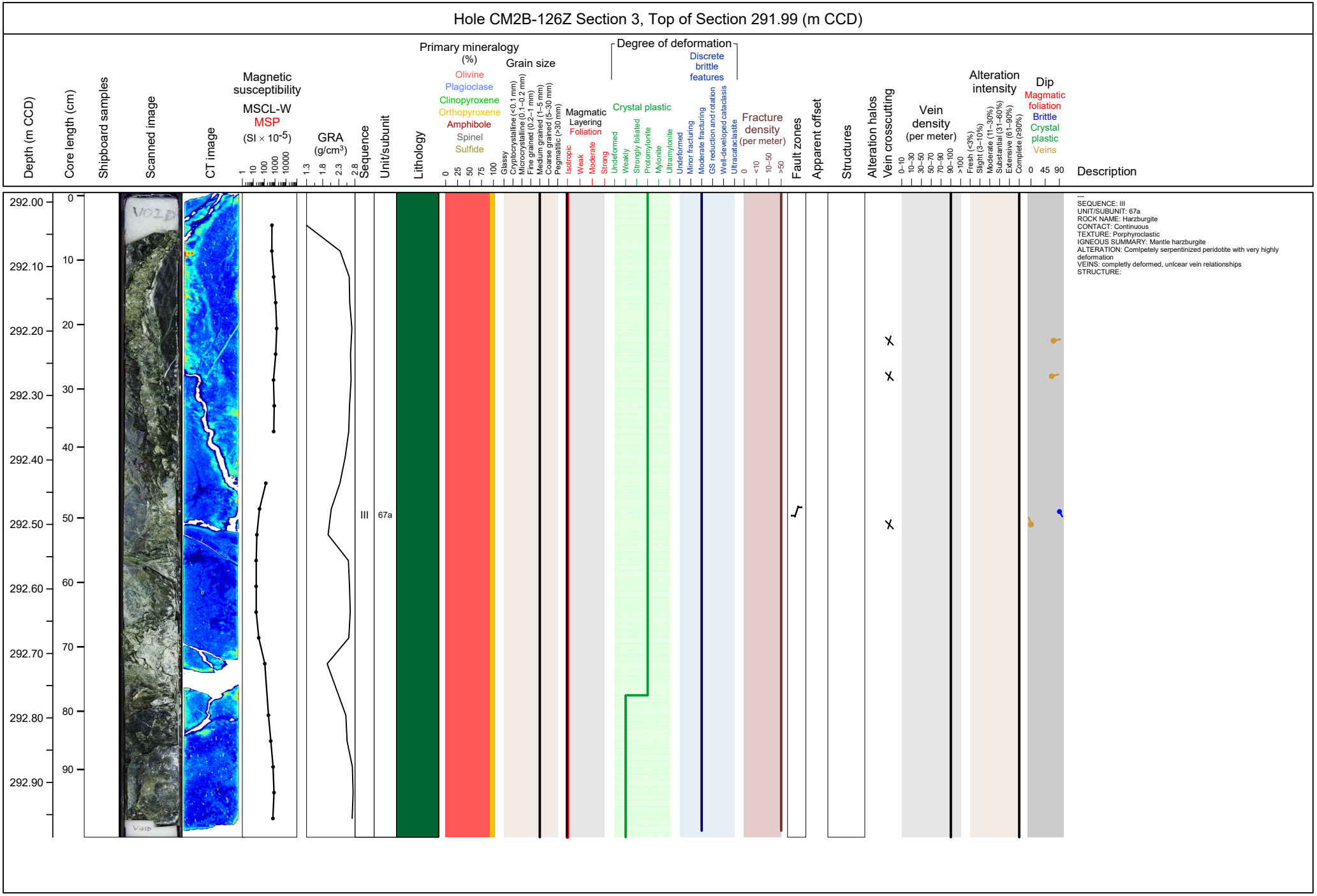
SEQUENCE: III
UNIT/SUBUNIT: 67a
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Massive completely serpentinized peridotite with increasing intensity in halo
VEINS: three generations of highly altered serpentine veins with extensive halo zone and followed by a generation of calcite veins
STRUCTURE:

Hole CM2B-126Z Section 1, Top of Section 290.60 (m CCD)



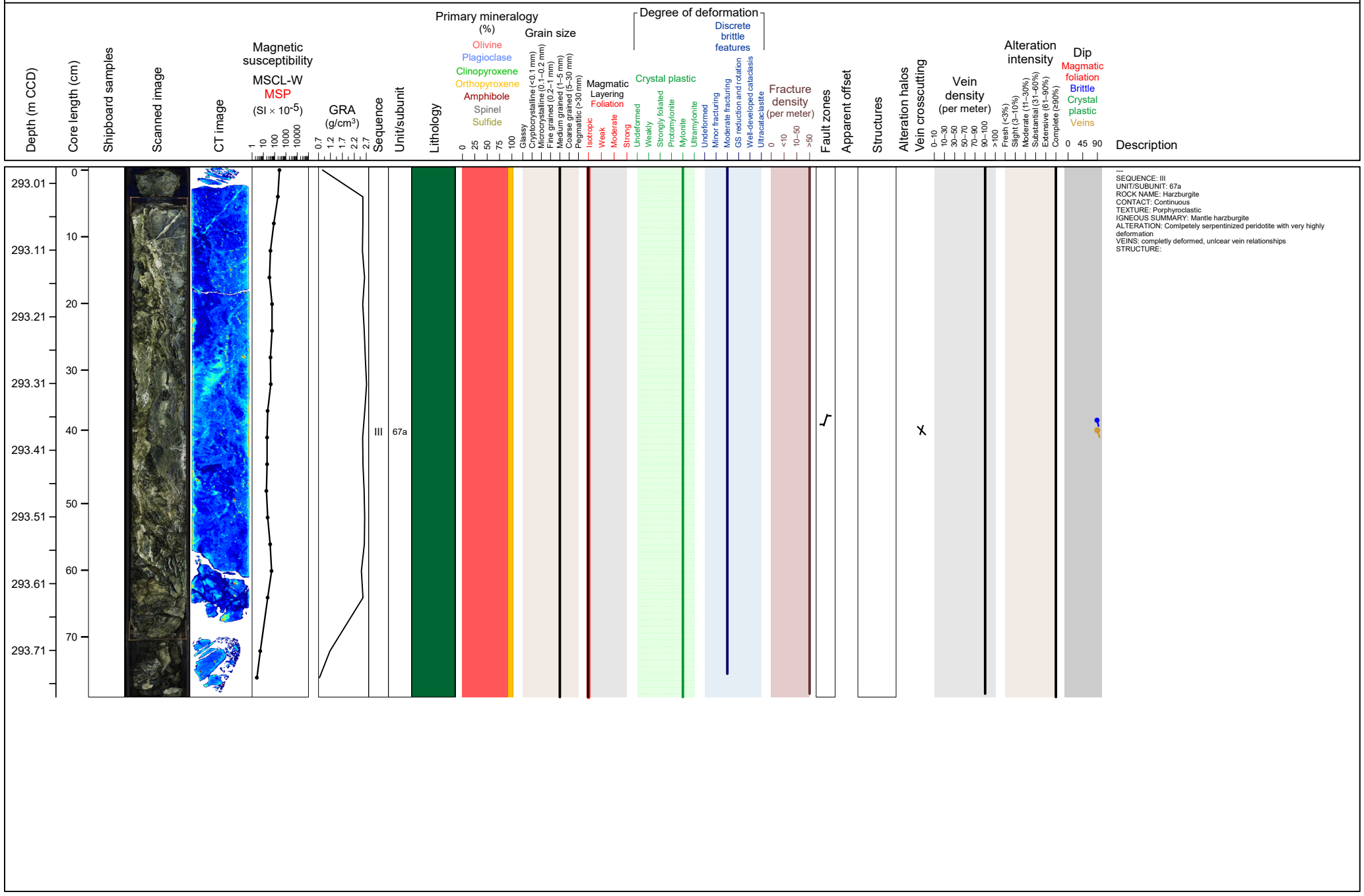
Hole CM2B-126Z Section 2, Top of Section 291.55 (m CCD)



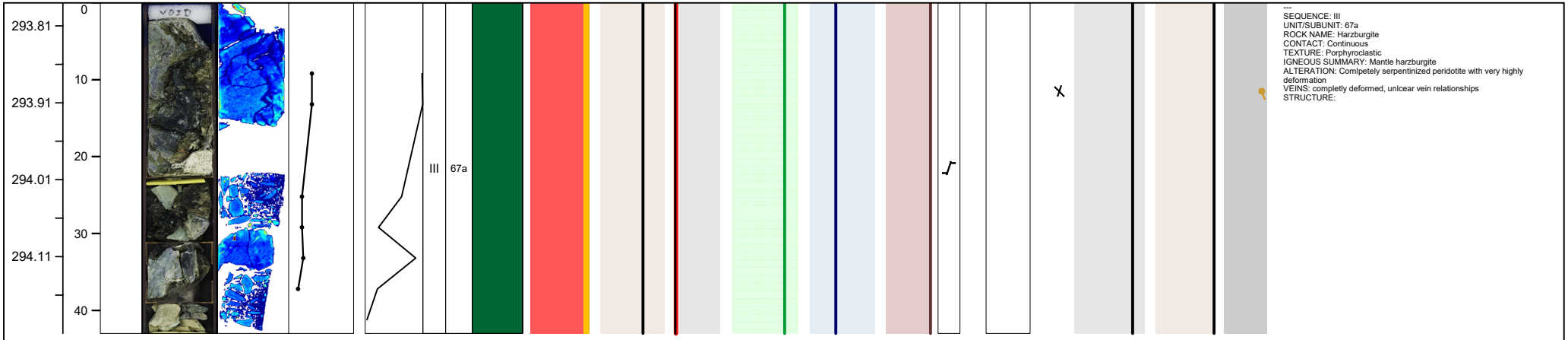

Hole CM2B-126Z Section 3, Top of Section 291.99 (m CCD)
Depth (m CCD)
Core length (cm)
Shipboard samples
Scanned image
CT image
Magnetic susceptibility
MSCL-W
MSP
(SI × 10-5)
GRA
(g/cm3)
Sequence
Unit/subunit
Lithology
Primary mineralogy
(%)
Olivine
Plagioclase
Clinopyroxene
Orthopyroxene
Amphibole
Spinel
Sulfide
Grain size
Glassy
Cryptocrystalline (<0.1 mm)
Microcrystalline (0.1–0.2 mm)
Fine grained (0.2–1 mm)
Medium grained (1–5 mm)
Coarse grained (5–30 mm)
Pegmatitic (>30 mm)
Magmatic Layering Foliation
Isotropic
Weak
Moderate
Strong
Degree of deformation
Crystal plastic
Undeformed
Weakly
Strongly foliated
Protomylonite
Mylonite
Ultramylonite
Discrete brittle features
Undeformed
Minor fracturing
Moderate fracturing
GS reduction and rotation
Well-developed cataclasis
Ultracataclasite
Fracture density
(per meter)
0
<10
10–50
>50
Fault zones
Apparent offset
Structures
Alteration halos
Vein crosscutting
Vein density
(per meter)
0–10
10–30
30–50
50–70
70–90
90–100
>100
Alteration intensity
Fresh (<3%)
Slight (3–10%)
Moderate (11–30%)
Substantial (31–60%)
Extensive (61–90%)
Complete (≥90%)
Dip
Magmatic foliation
Brittle
Crystal plastic
Veins
0 45 90
Description
292.00
292.10
292.20
292.30
292.40
292.50
292.60
292.70
292.80
292.90
III
67a

SEQUENCE: III
UNIT/SUBUNIT: 67a
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Comlpetely serpentinized peridotite with very highly deformation
VEINS: completly deformed, unlcear vein relationships
STRUCTURE:

Hole CM2B-126Z Section 4, Top of Section 292.99 (m CCD)

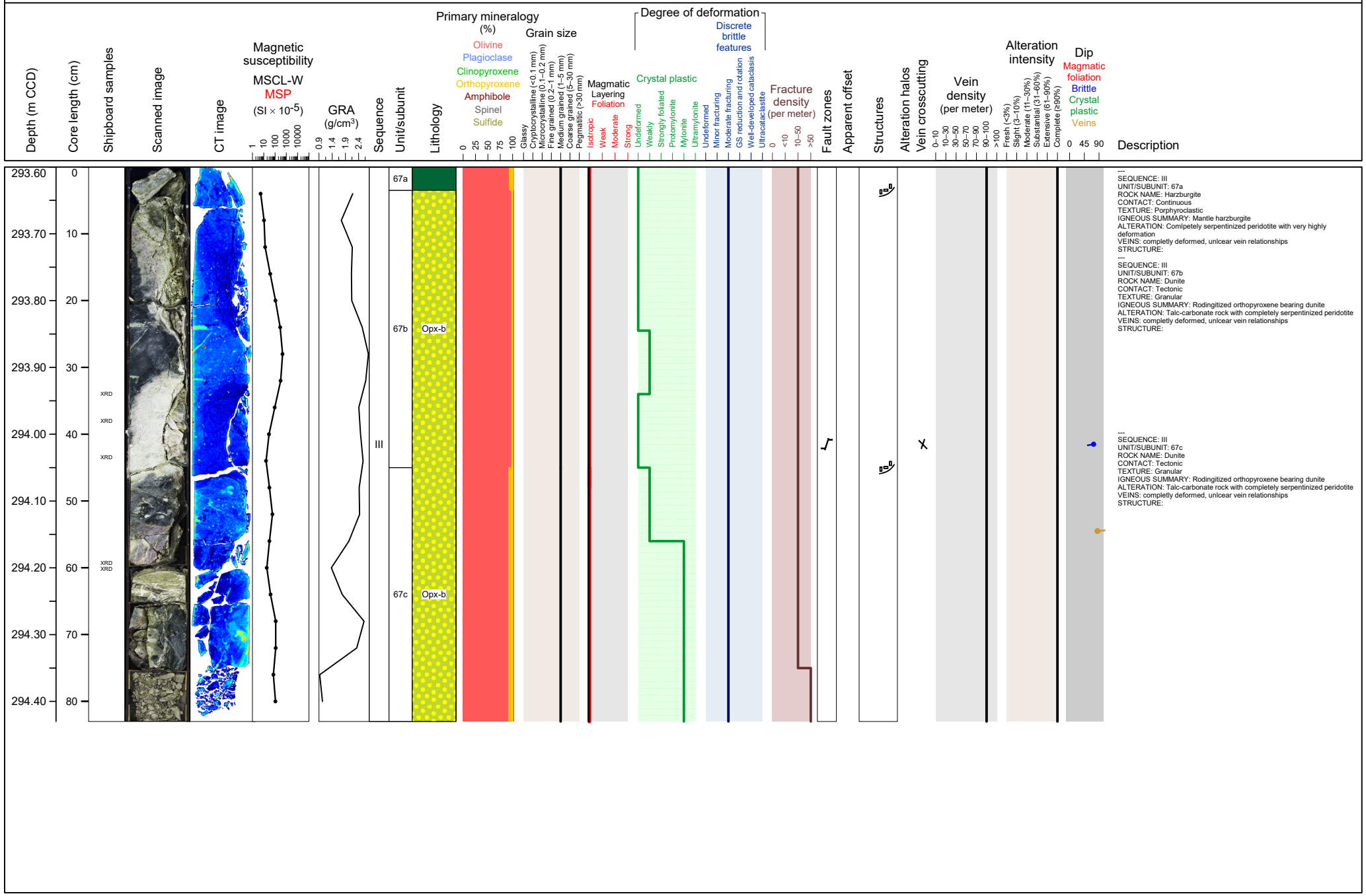


Hole CM2B-126Z Section 5, Top of Section 293.78 (m CCD)



SEQUENCE: III
UNIT/SUBUNIT: 67a
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Comlpetely serpentinized peridotite with very highly deformation
VEINS: completly deformed, unlcear vein relationships
STRUCTURE:

Hole CM2B-127Z Section 1, Top of Section 293.60 (m CCD)

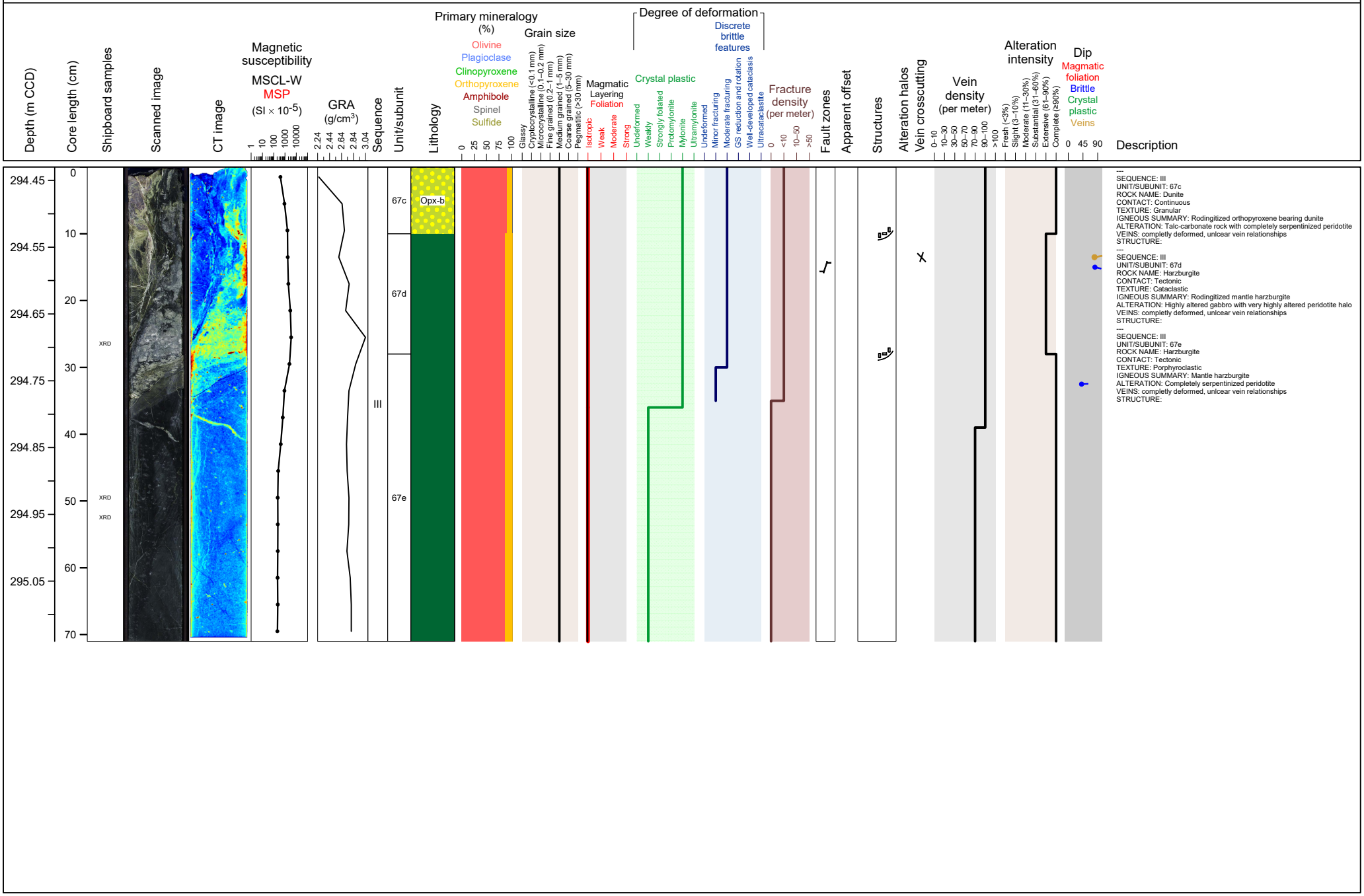


SEQUENCE: III
UNIT/SUBUNIT: 67a
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Mantle harzburgite
ALTERATION: Comlpetely serpentinized peridotite with very highly deformation
VEINS: completly deformed, unlcear vein relationships
STRUCTURE:

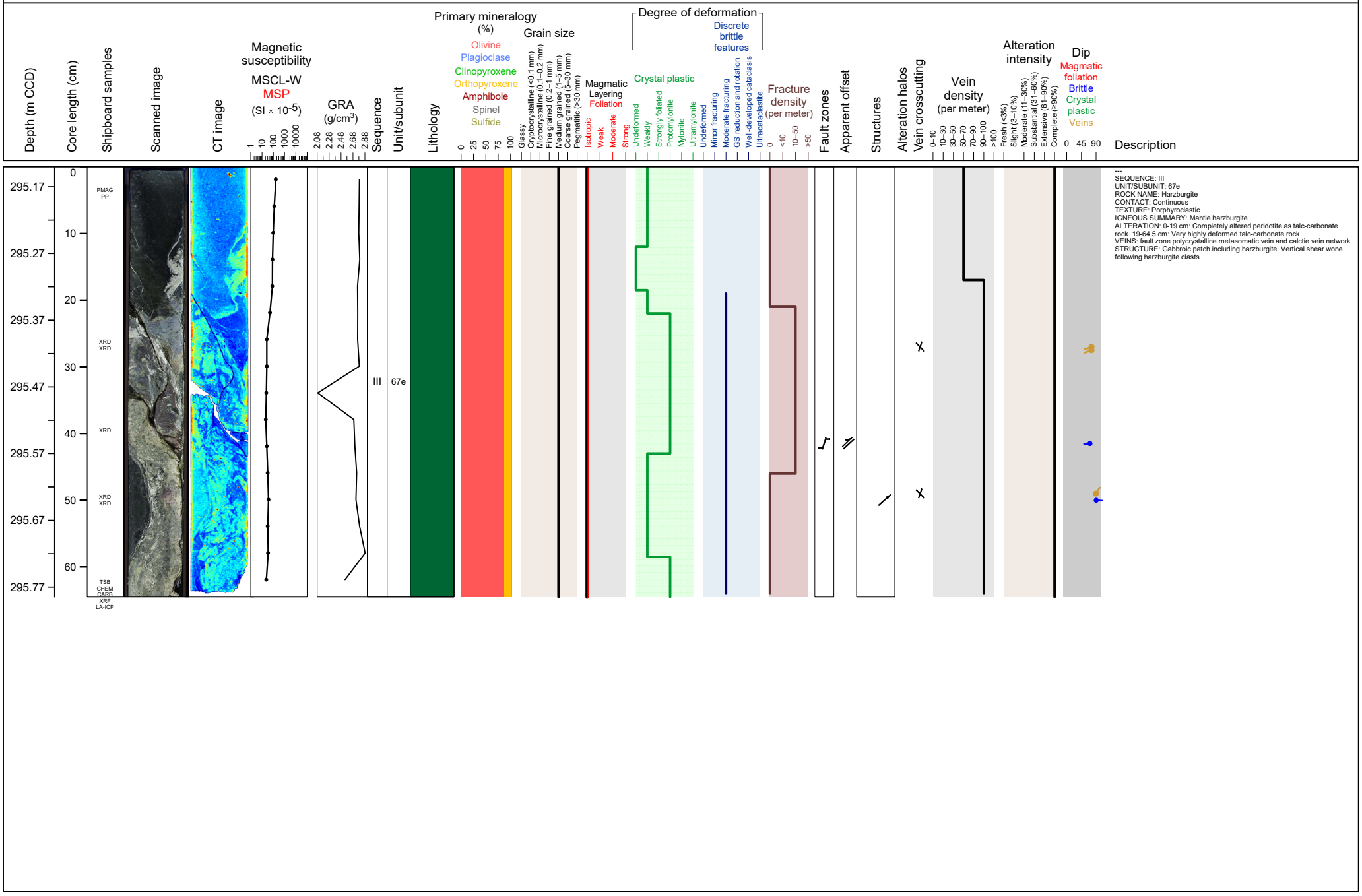
SEQUENCE: III
UNIT/SUBUNIT: 67b
ROCK NAME: Dunite
CONTACT: Tectonic
TEXTURE: Granular
IGNEOUS SUMMARY: Rodingitized orthopyroxene bearing dunite
ALTERATION: Talc-carbonate rock with completely serpentinized peridotite
VEINS: completly deformed, unlcear vein relationships
STRUCTURE:

SEQUENCE: III
UNIT/SUBUNIT: 67c
ROCK NAME: Dunite
CONTACT: Tectonic
TEXTURE: Granular
IGNEOUS SUMMARY: Rodingitized orthopyroxene bearing dunite
ALTERATION: Talc-carbonate rock with completely serpentinized peridotite
VEINS: completly deformed, unlcear vein relationships
STRUCTURE:

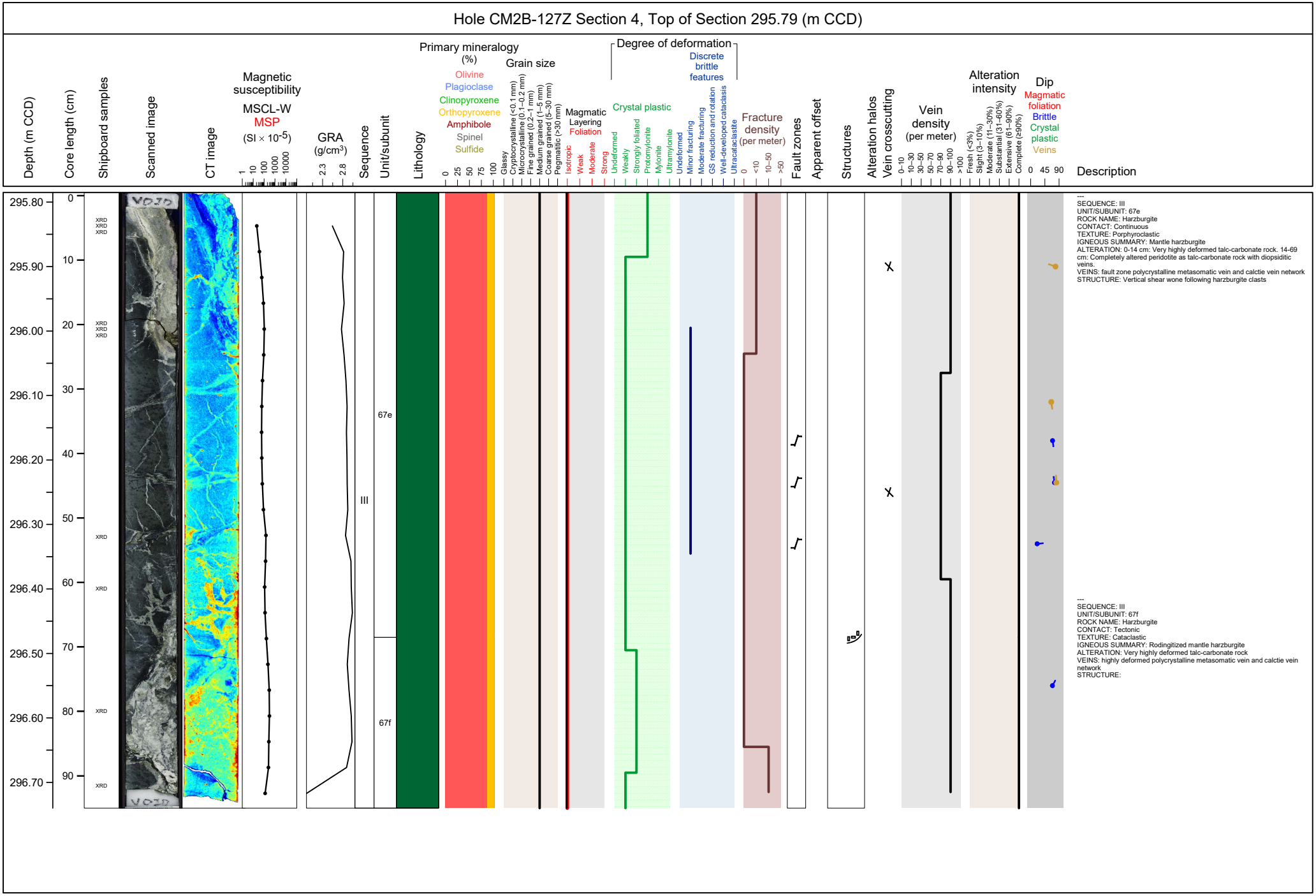
Hole CM2B-127Z Section 2, Top of Section 294.43 (m CCD)



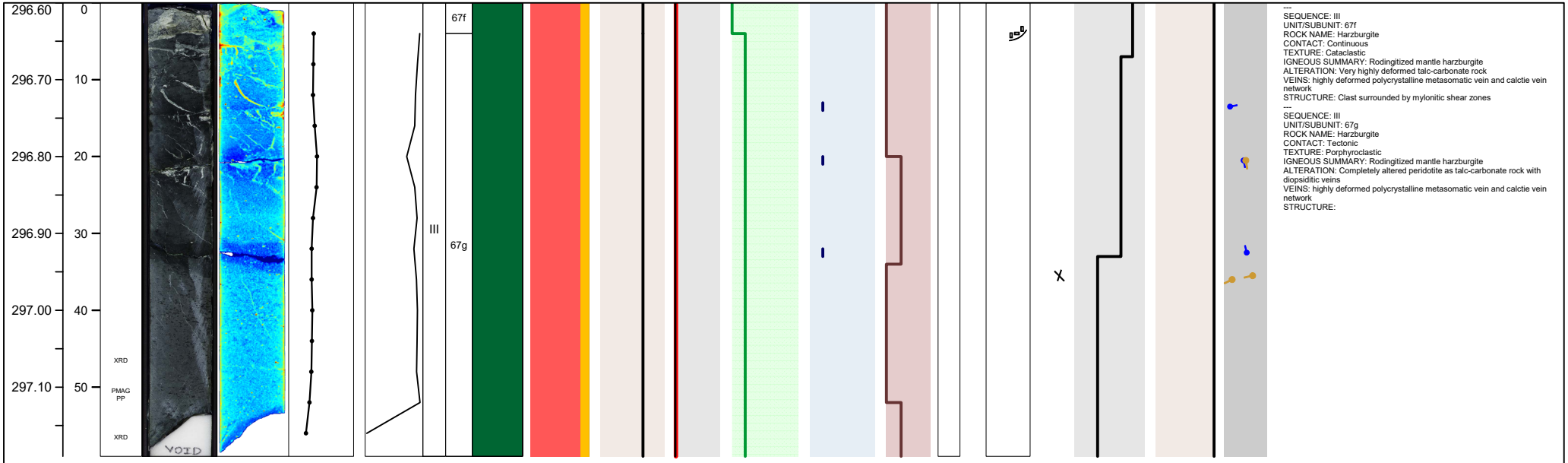
Hole CM2B-127Z Section 3, Top of Section 295.14 (m CCD)



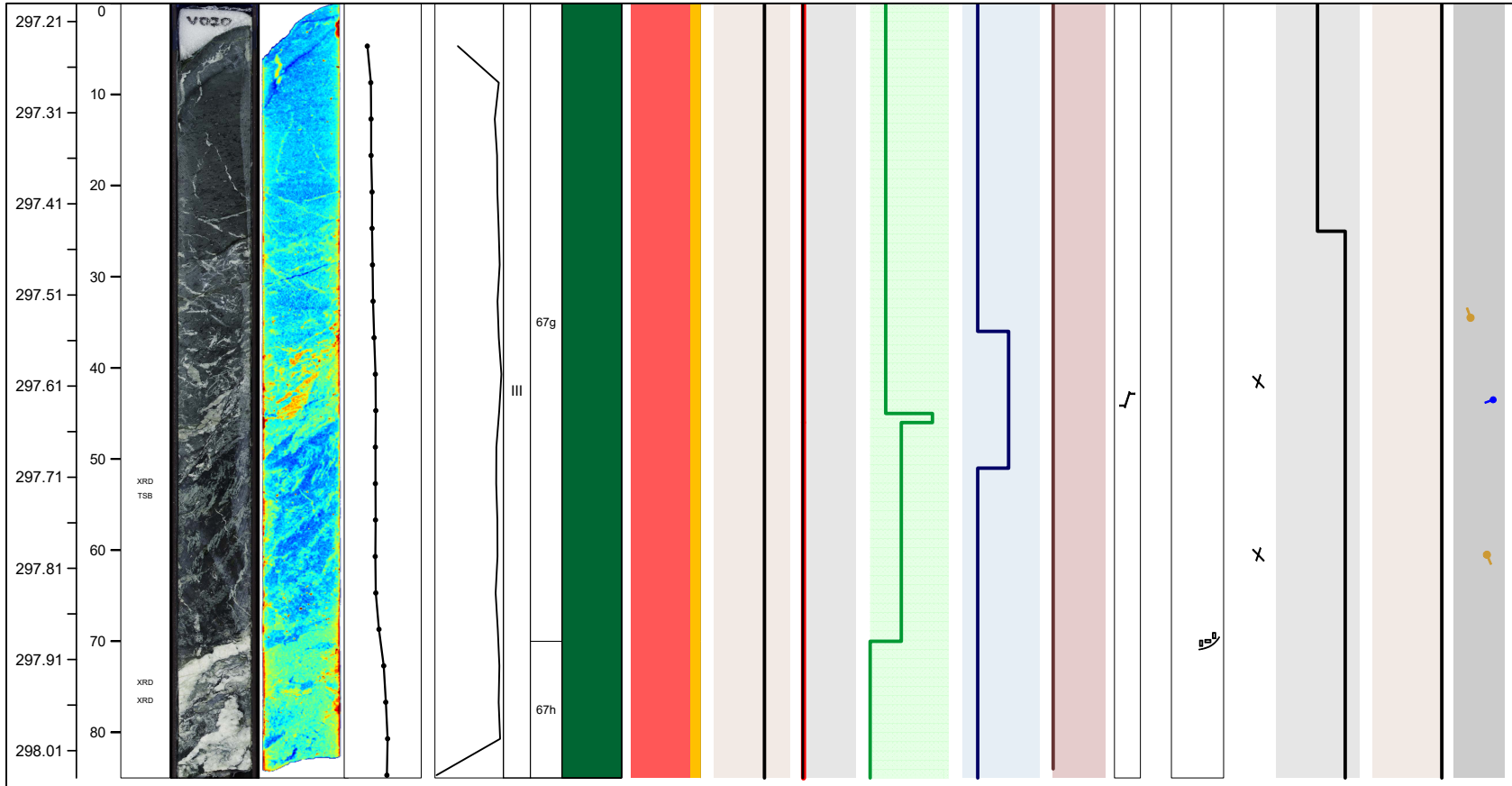
Hole CM2B-127Z Section 4, Top of Section 295.79 (m CCD)



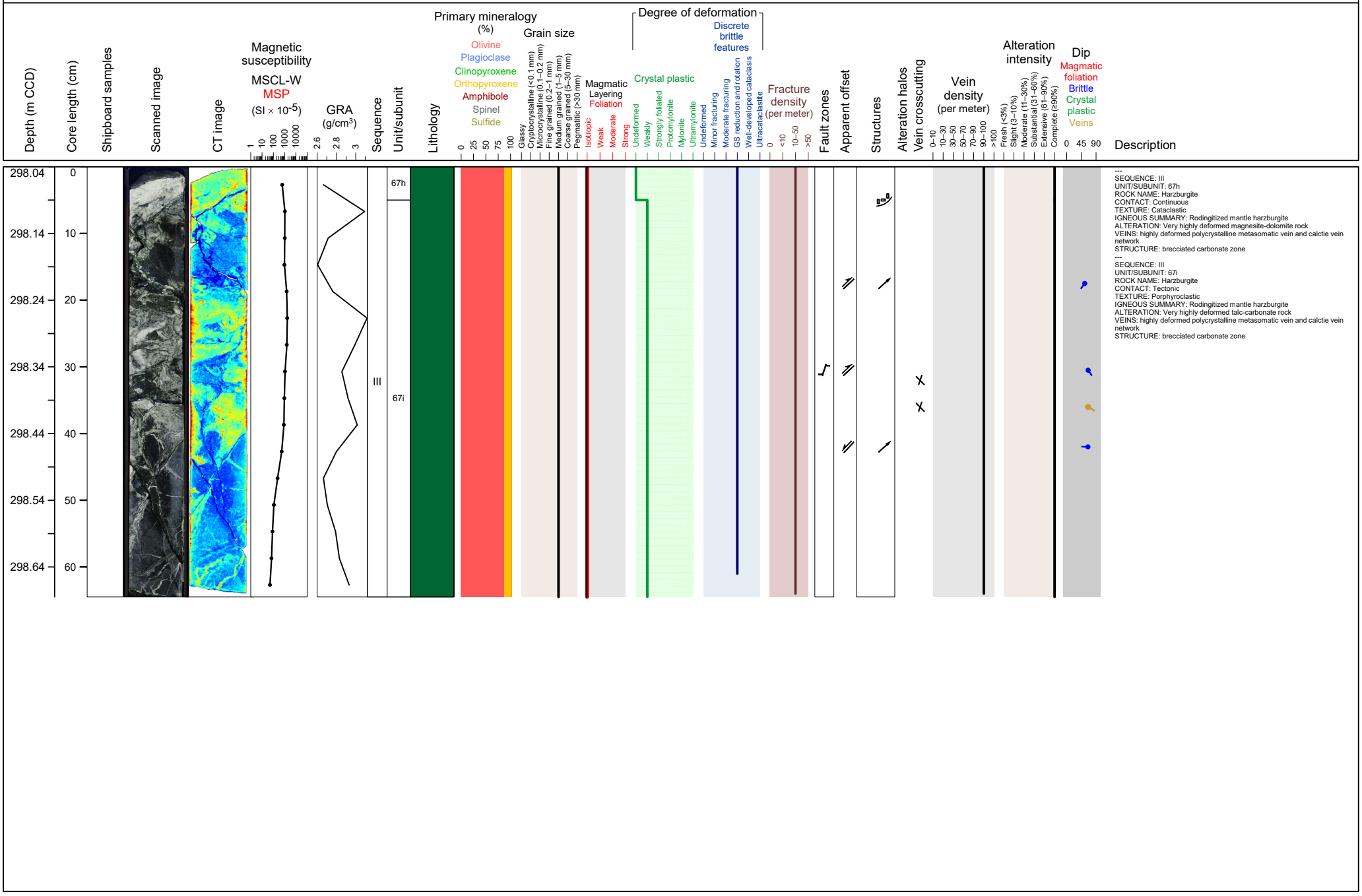
Hole CM2B-128Z Section 1, Top of Section 296.60 (m CCD)



Hole CM2B-128Z Section 2, Top of Section 297.19 (m CCD)



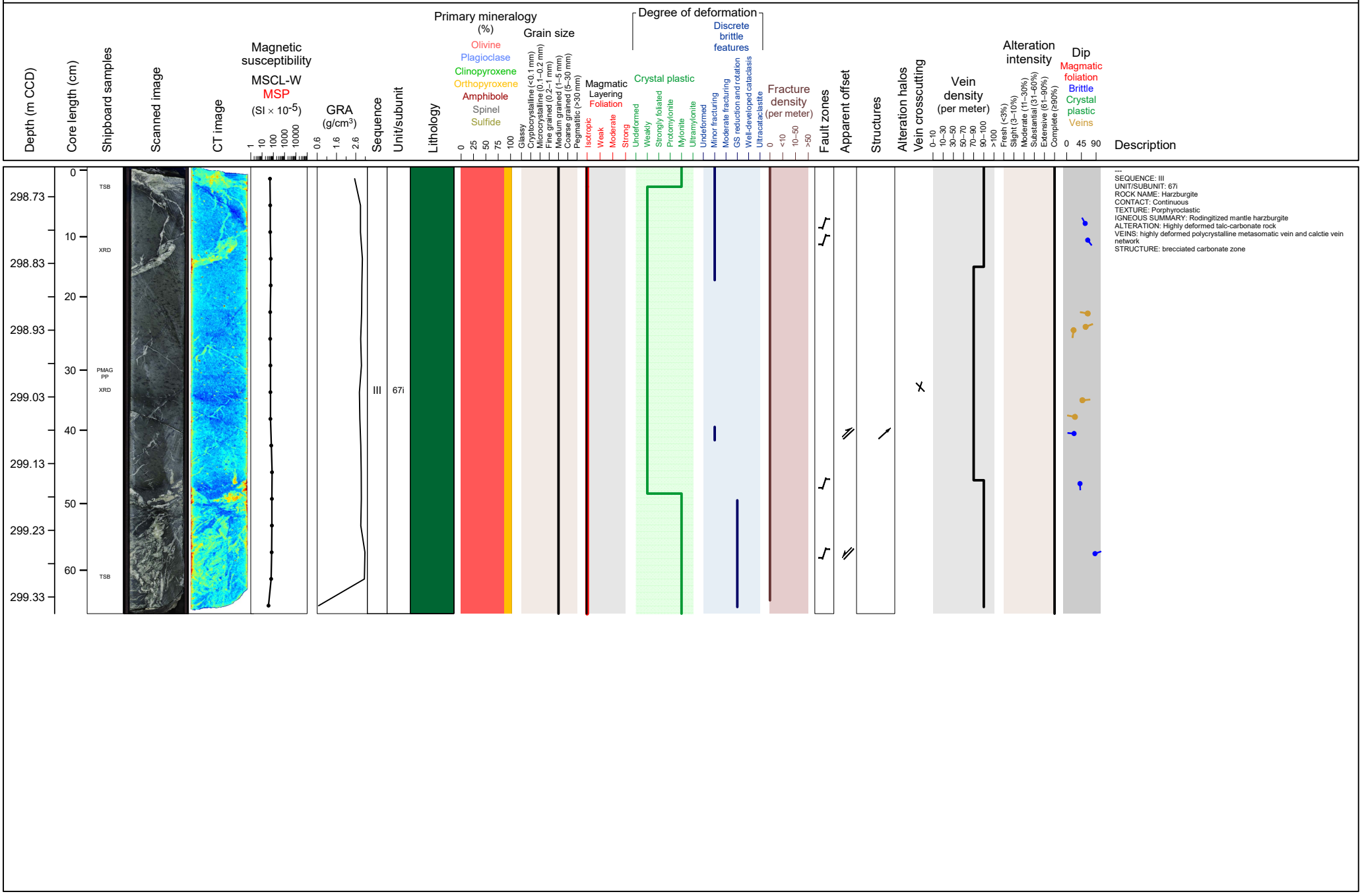
Hole CM2B-128Z Section 3, Top of Section 298.04 (m CCD)



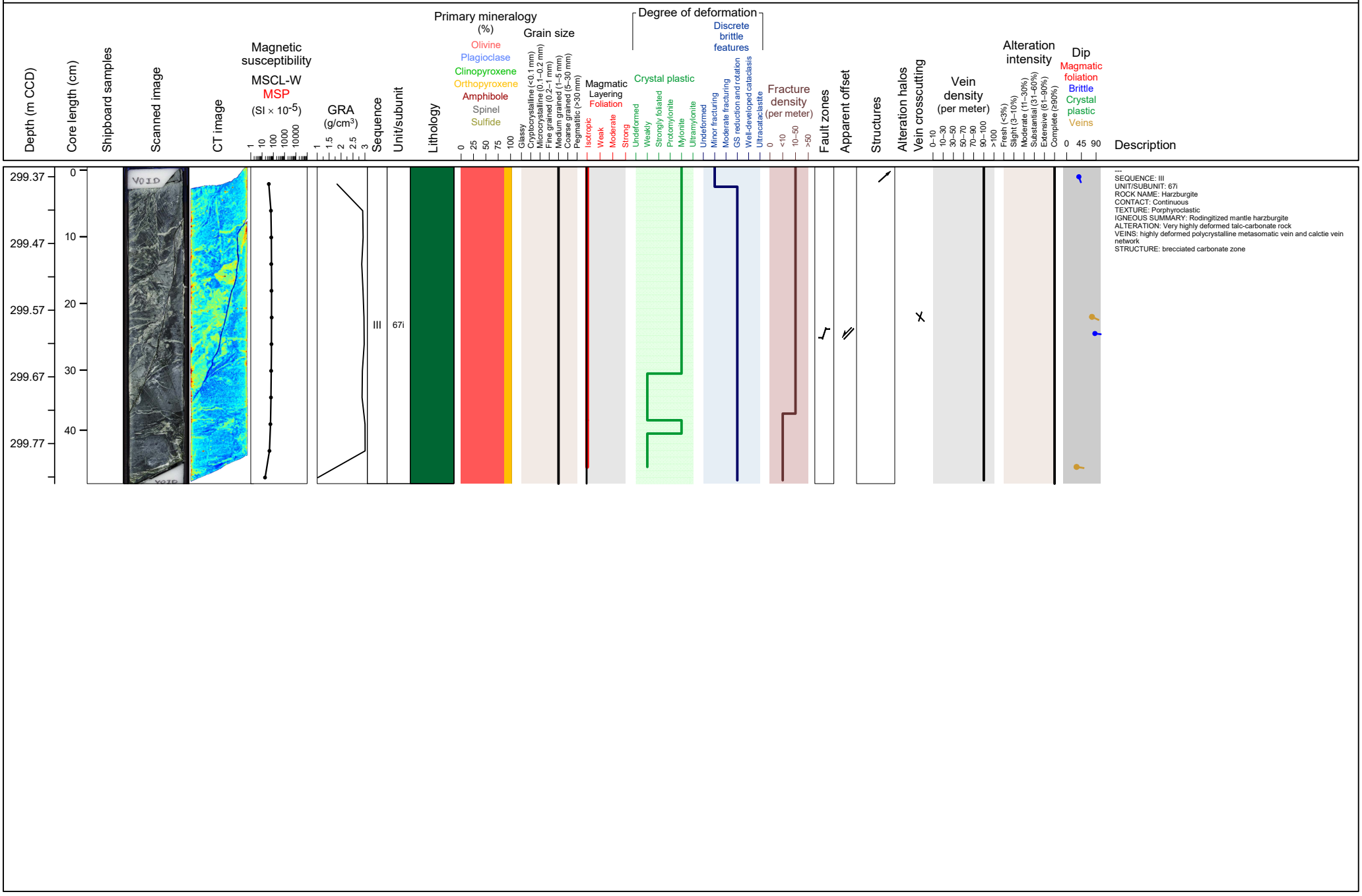
SEQUENCE: III
UNIT/SUBUNIT: 67h
ROCK NAME: Harzburgite
CONTACT: Continuous
TEXTURE: Cataclastic
IGNEOUS SUMMARY: Rodingitized mantle harzburgite
ALTERATION: Very highly deformed magnesite-dolomite rock
VEINS: highly deformed polycrystalline metasomatic vein and calctie vein network
STRUCTURE: brecciated carbonate zone

SEQUENCE: III
UNIT/SUBUNIT: 67i
ROCK NAME: Harzburgite
CONTACT: Tectonic
TEXTURE: Porphyroclastic
IGNEOUS SUMMARY: Rodingitized mantle harzburgite
ALTERATION: Very highly deformed talc-carbonate rock
VEINS: highly deformed polycrystalline metasomatic vein and calctie vein network
STRUCTURE: brecciated carbonate zone

Hole CM2B-128Z Section 4, Top of Section 298.69 (m CCD)



Hole CM2B-128Z Section 5, Top of Section 299.36 (m CCD)



Hole CM2B-129Z Section 1, Top of Section 299.60 (m CCD)

