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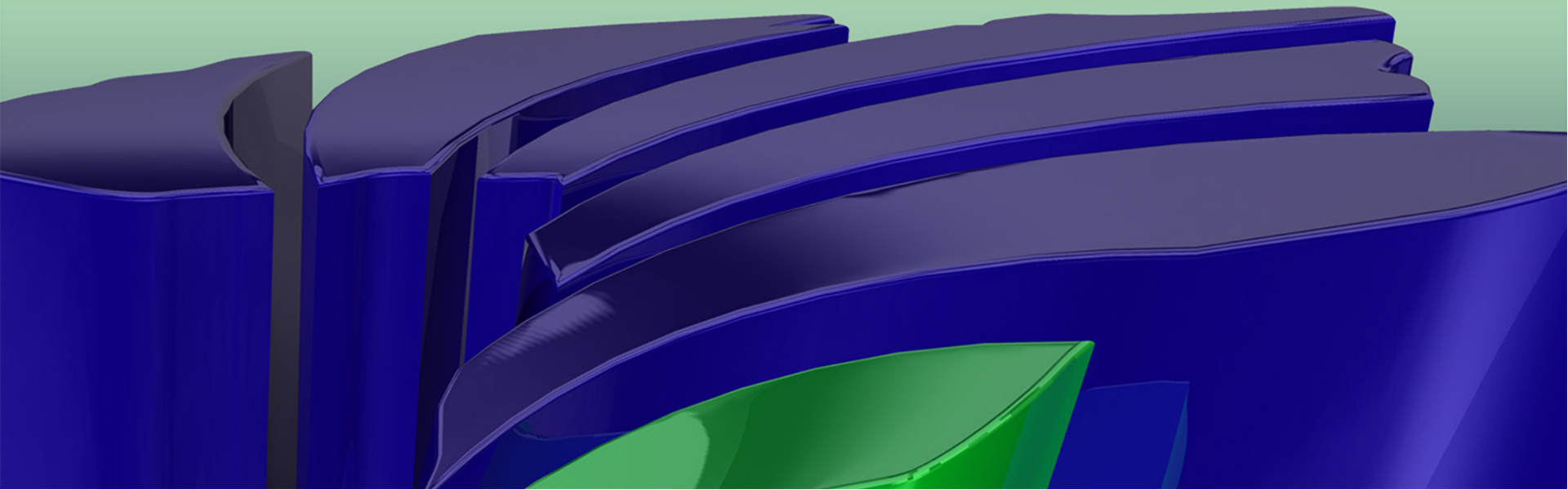
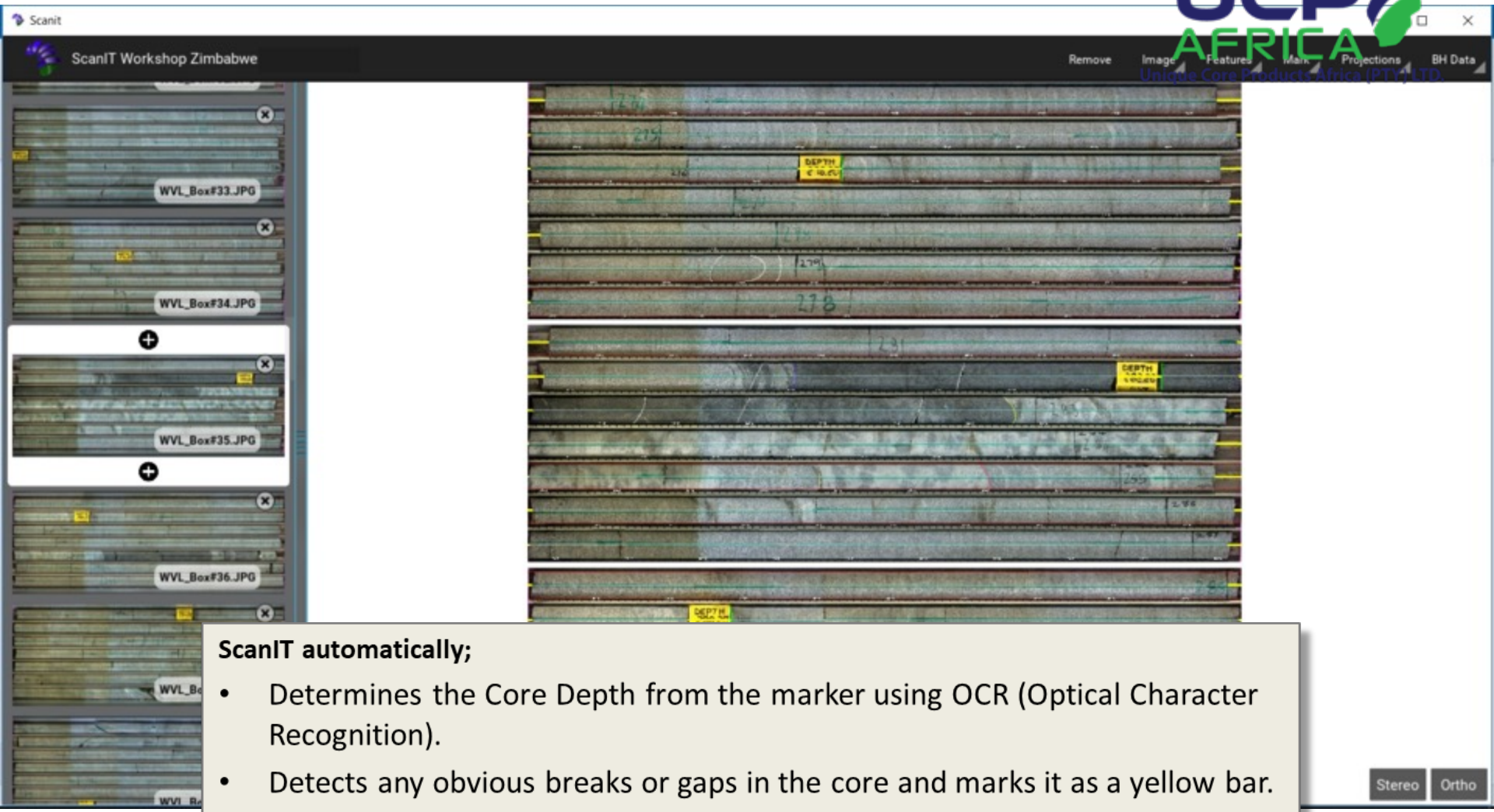
# ScanIT

## Core logging software



# ScanIT –




**ScanIT automatically;**

- Determines the Core Depth from the marker using OCR (Optical Character Recognition).
- Detects any obvious breaks or gaps in the core and marks it as a yellow bar.
- Calculates the Solid Core Recovered and the amount of Core Loss.
- Marks the temporary up-hole and down-hole depths on the image

# **ScanIT** – depth referencing

- Best logging practices
- Core depth markers
- Rulers
- Forced breaks
- Natural gaps
- Core loss
- Core gain
- Solid core recovery

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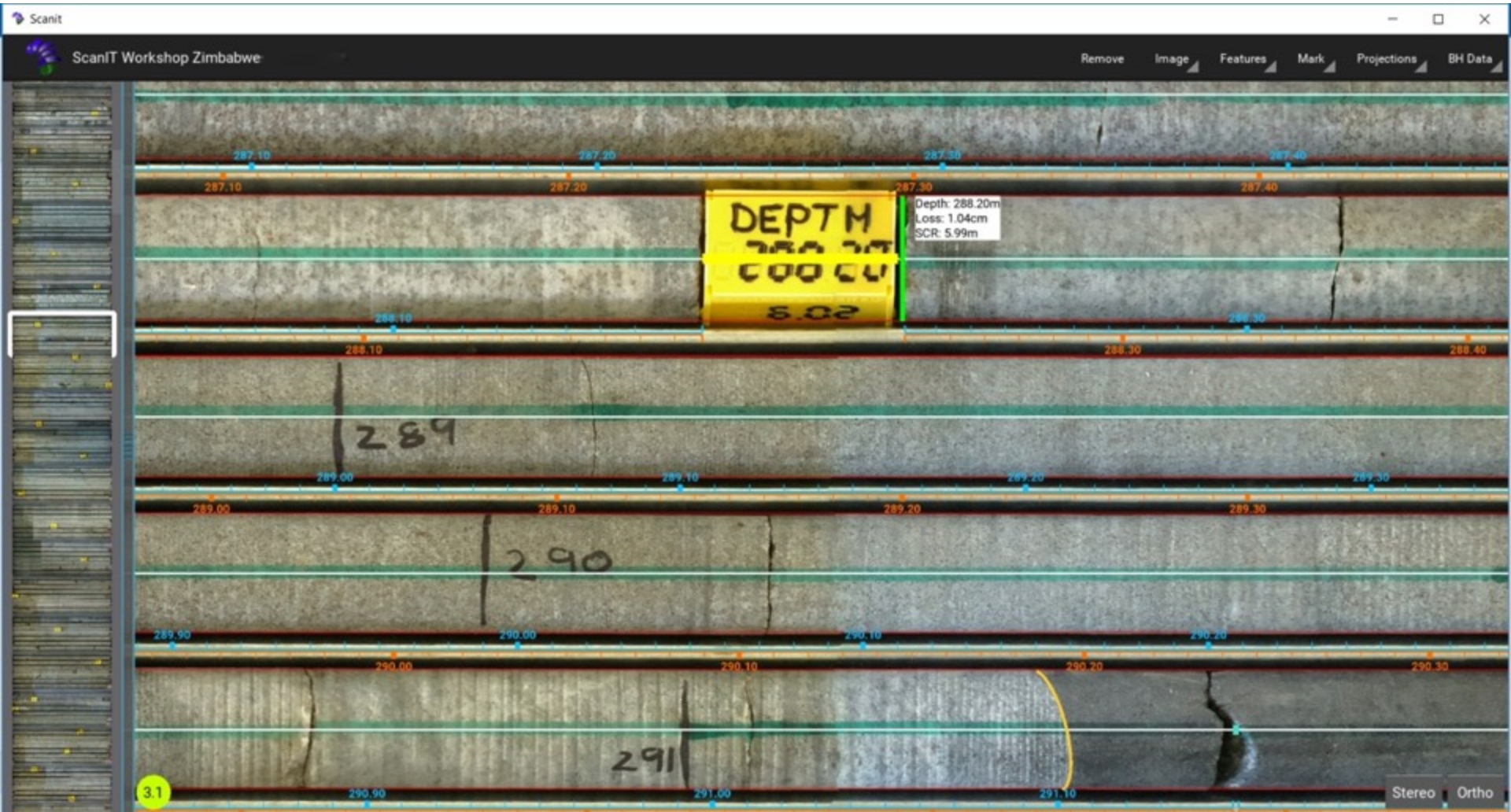
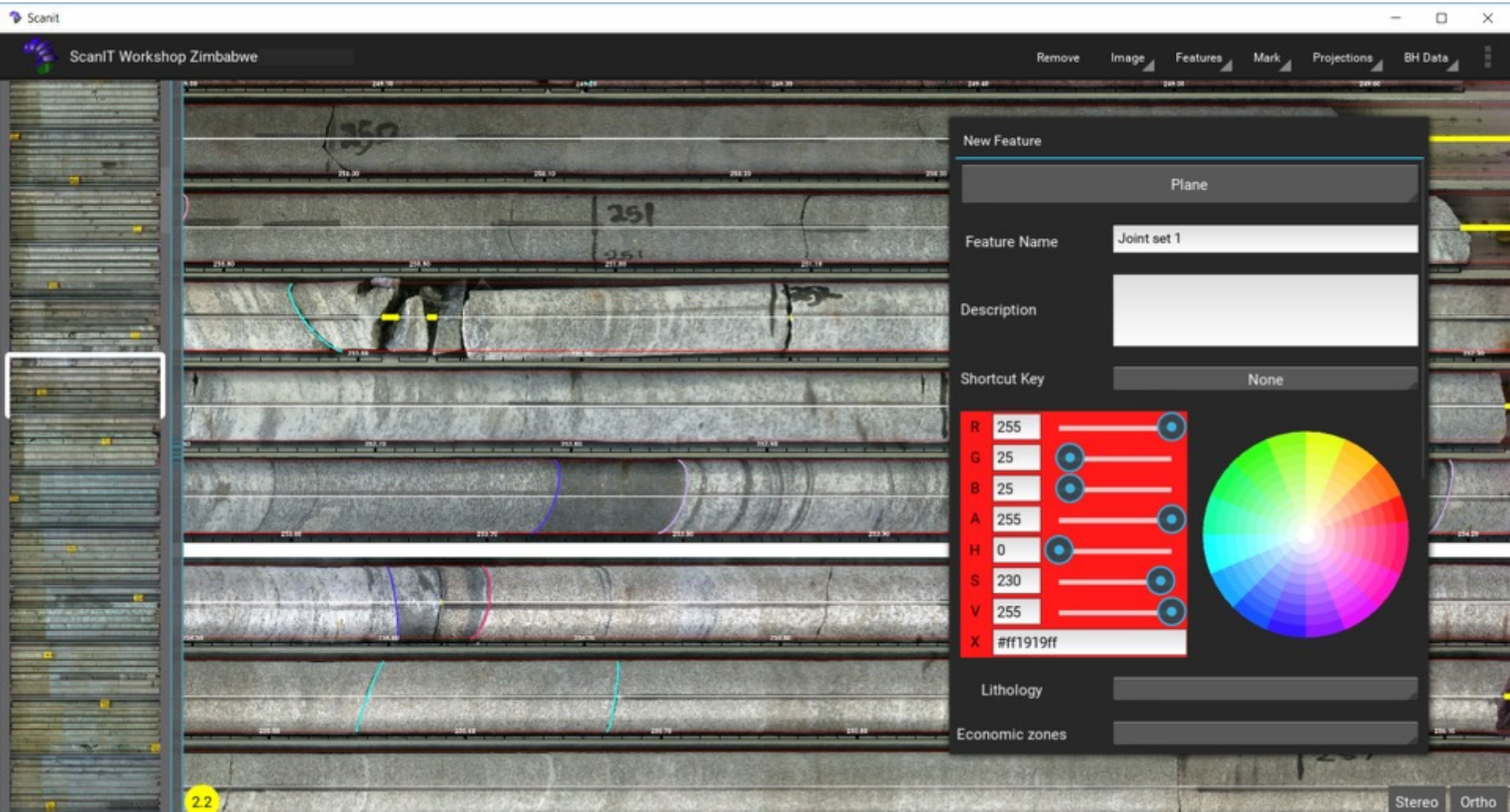


# **ScanIT** – features

- Lithologies, planes, lineations
- Customised RGB colours
- Import project specific logging dictionaries
- Features shortcut keys



# **ScanIT** – logging

- Best fit plane
- Dropdown parameters
- Instant editing

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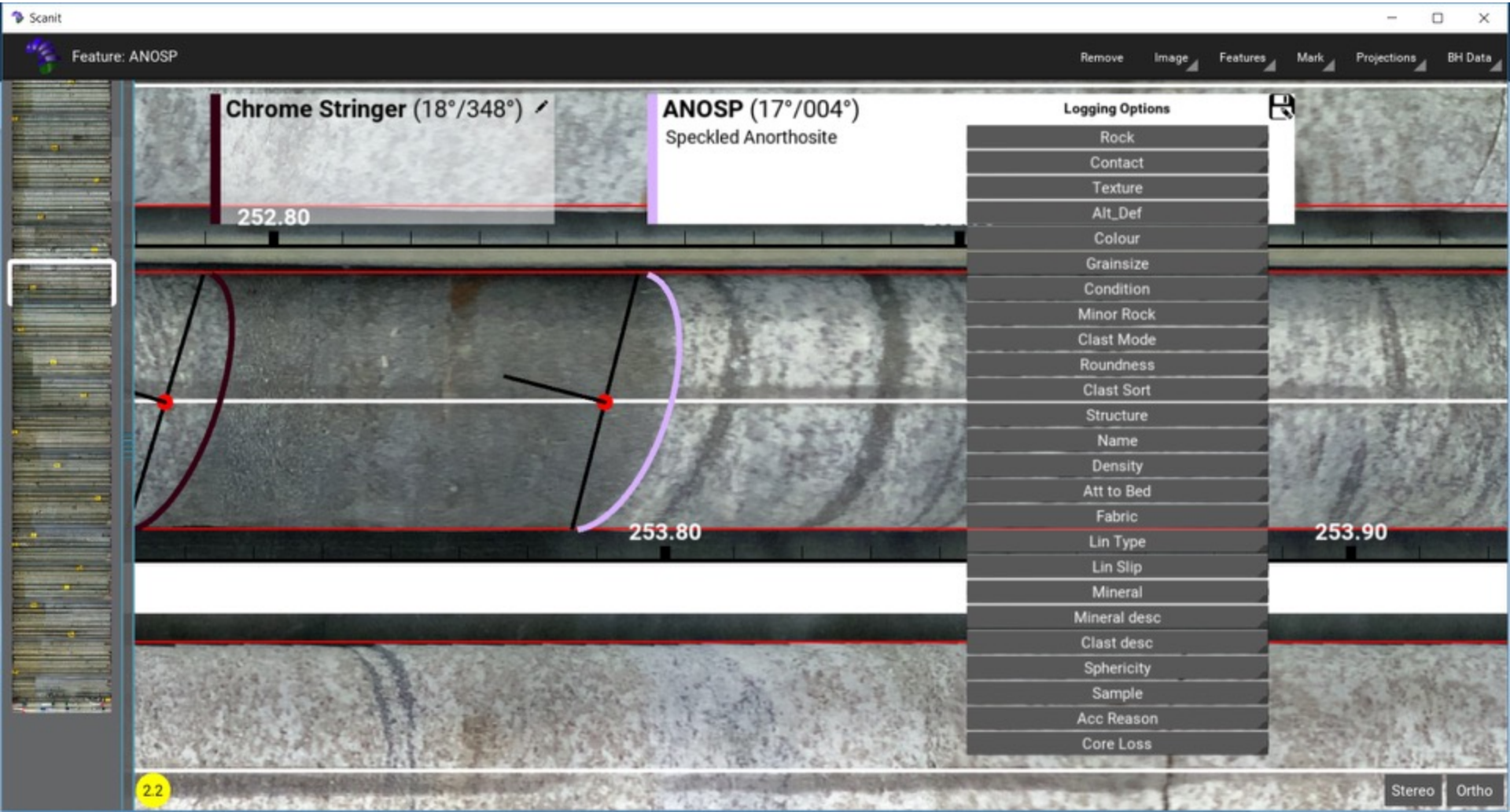
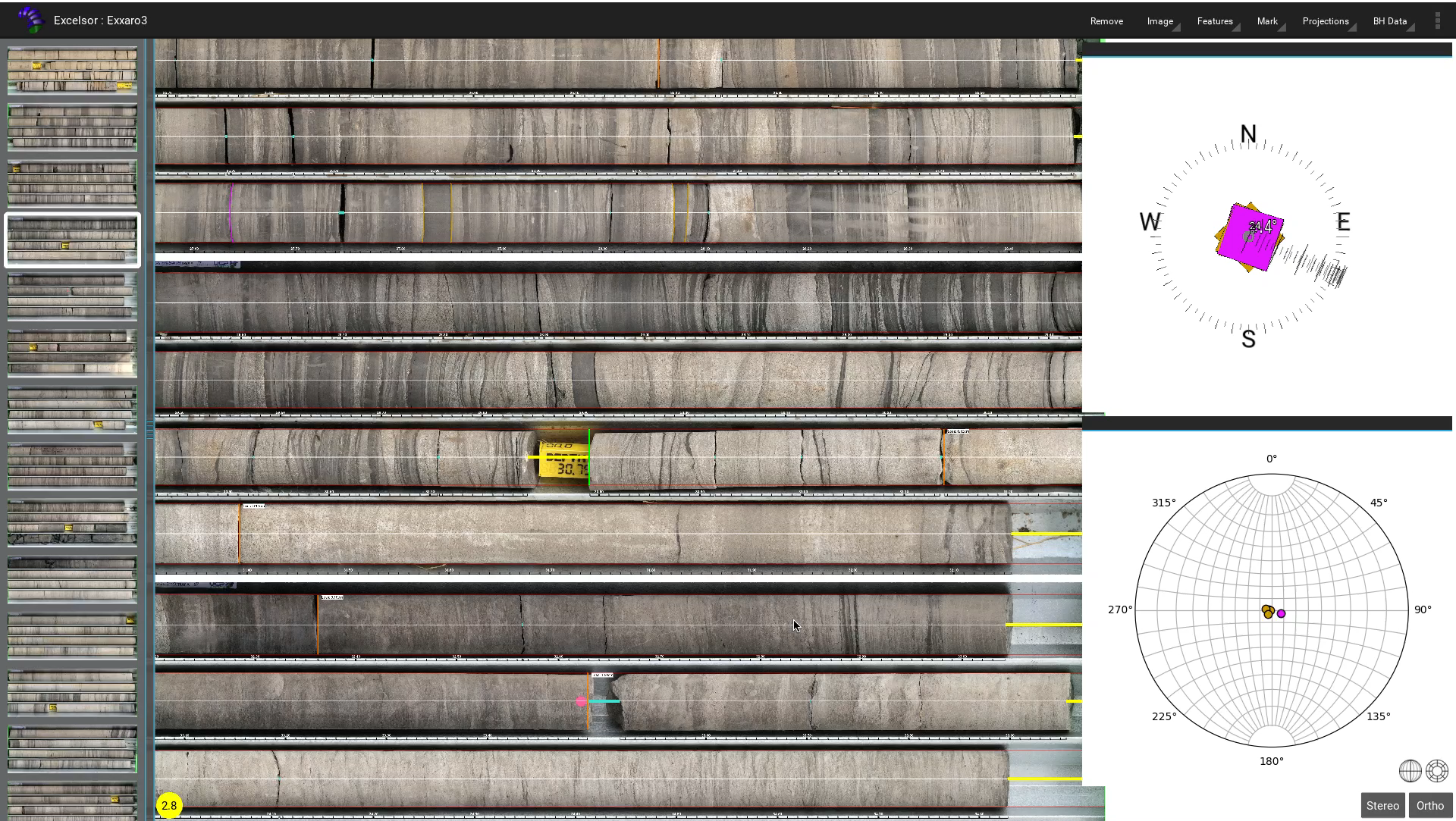


# **ScanIT** – live logging

- Live stereonet
- Live orthographic projection
- Live validation

Immediate data QAQC



# **ScanIT** – stereonet

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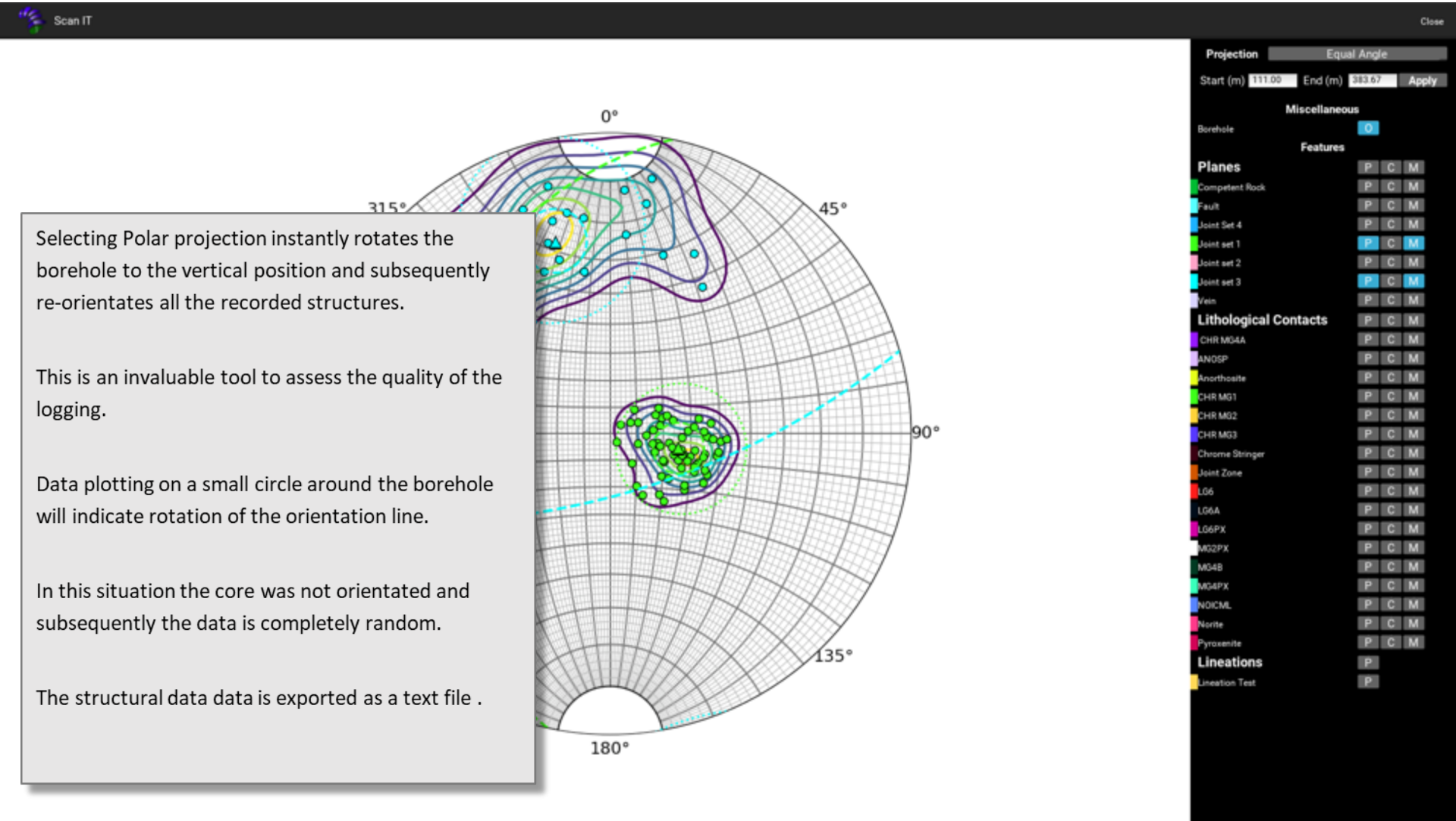



Selecting Polar projection instantly rotates the borehole to the vertical position and subsequently re-orientates all the recorded structures.

This is an invaluable tool to assess the quality of the logging.

Data plotting on a small circle around the borehole will indicate rotation of the orientation line.

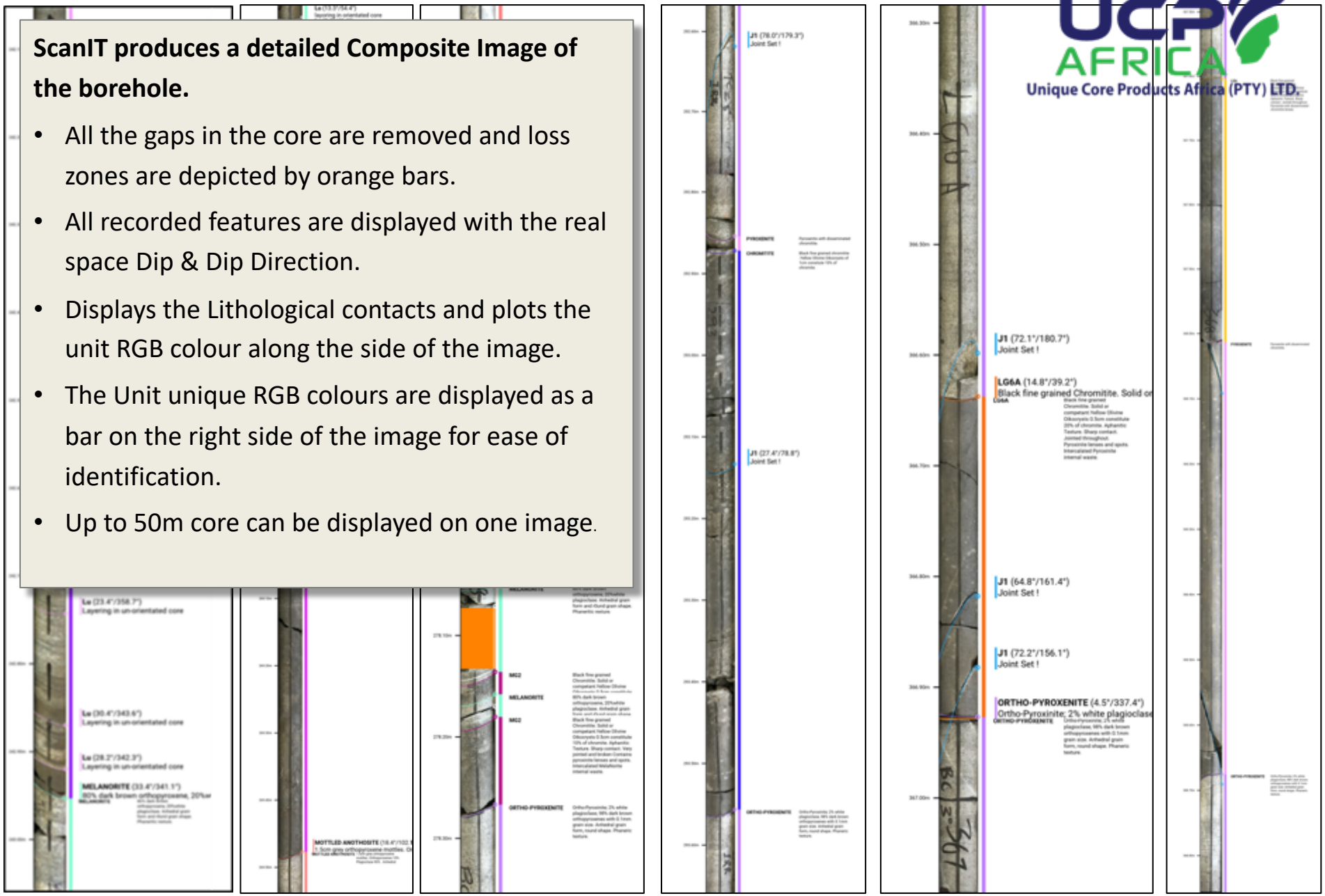
In this situation the core was not orientated and subsequently the data is completely random.

The structural data data is exported as a text file .

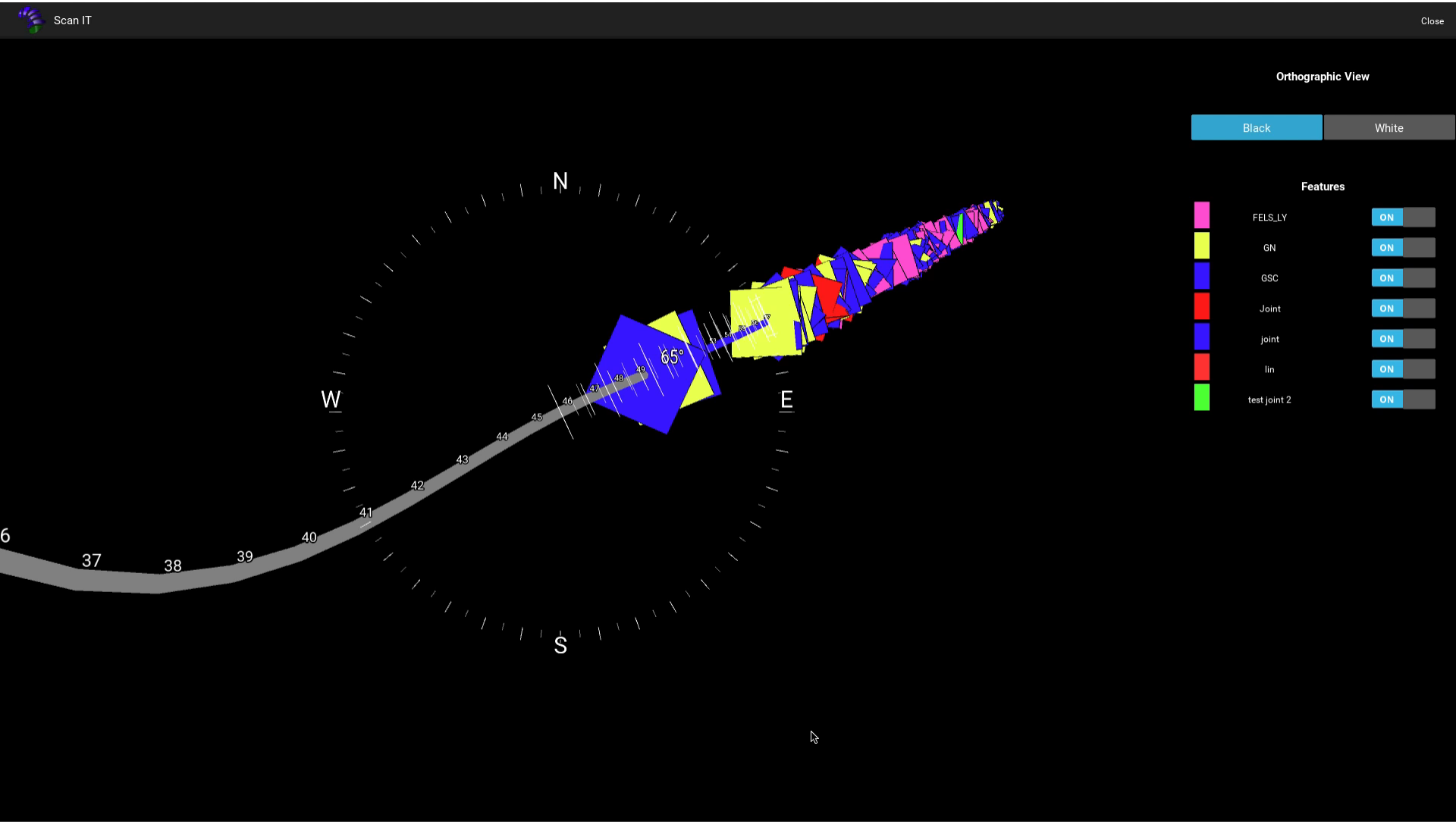
# **ScanIT** – composite log

**ScanIT produces a detailed Composite Image of the borehole.**

- All the gaps in the core are removed and loss zones are depicted by orange bars.
- All recorded features are displayed with the real space Dip & Dip Direction.
- Displays the Lithological contacts and plots the unit RGB colour along the side of the image.
- The Unit unique RGB colours are displayed as a bar on the right side of the image for ease of identification.
- Up to 50m core can be displayed on one image.



# **ScanIT** – 3D orthographic



# **ScanIT** – composite log

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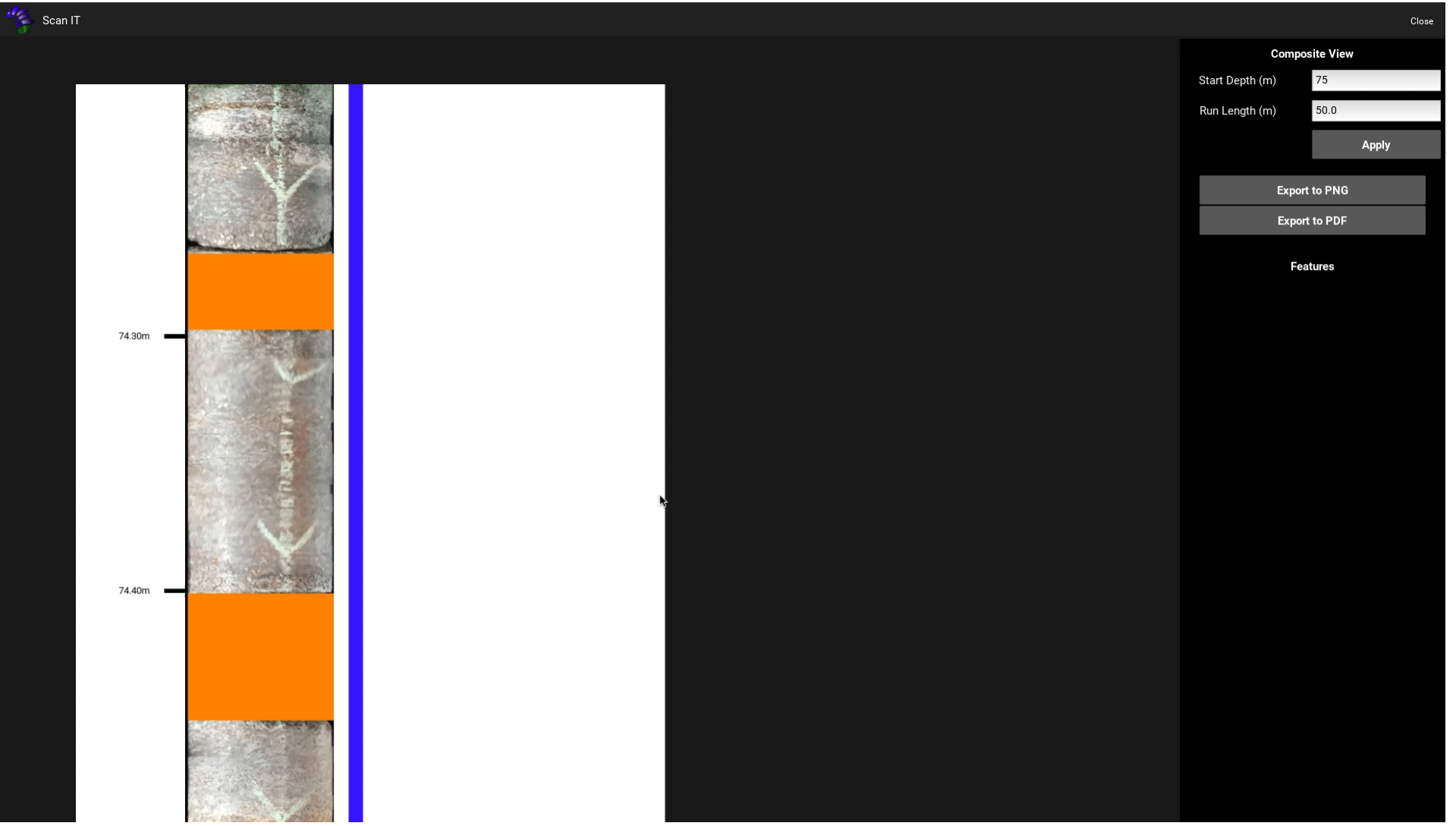

# **ScanIT** – logging dictionary

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| Colour qualifier | | Primary Colour | | Secondary Colour | | Grainsize | | LITHOLOGY | | Description 1 | | Description 2 | | Top contact | | Bottom contact | | Hangingwall | | Footwall | | Weathering | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| d | Dull | BL | black | BL | /black, | VFG | very fine grained | DS | SANDSTONE | DS | clayey soil, | DS | very soft and friable, | BRISS | Brecciated top contact | BRISS | Brecciated bottom contact | c | Competant hangingwall | c | Competant footwall | fr | highly weathered. |
| l | Light | BR | brown | BR | /brown, | s | fine grained | SD | SILTSTONE | SD | Intercalated with carbonaceous l | MM | with occasional gritty bans | BRKC | Broken top contact | BRKC | Broken bottom contact. | b | Hangingwall very friable and brok | b | Footwall very friable and broken | LA | Moderate weathering |
| d | Dark | CR | cream | CR | /cream, | FMG | fine-medium grained. | FR | BITUMAOUS COAL | FR | friable and highly broken in parts. | | | CHILC | Chilled top contact | CHILC | Chilled bottom contact. | | | | | WQ | Unweathered |
| b | Bright | GR | green | GR | /green, | r | medium grained | QW | ANTHRACITE | QW | ,with upward fining cycles. | | | DIFC | Diffuse top contact | DIFC | Diffuse bottom contact | | | | | | |
| | | GY | grey | GY | /grey | FCG | fine-coarse grained. | LK | DOLERITE DYKE | LK | Irregular bedding. | | | DISC | Disseminated top contact | DISC | Disseminated bottom contact | | | | | | |
| | | OL | olive | OL | /olive, | CVG | coarse-very coarse | SY | SOIL | II | , with occasional minor buff coloured sanstone layers. | | | DISRC | Disrupted irregular top c | DISRC | Disrupted irregular bottom contact | | | | | | |
| | | ORNG | orange | ORNG | /orange, | FX | fine crystalline | AR | ARCOSE | MM | massive with very little bedding. | | | EROSC | Erosional top contact | EROSC | Erosional bottom contact | | | | | | |
| | | | | | | MX | medium crysalline grained. | | | | | | | FAULC | Faulted top contact | FAULC | Faulted bottom contact | | | | | | |
| | | | | | | MC | medium to coarse grained. | | | | | | | FRZC | Frozen top contact | FRZC | Frozen | | | | | | |
| | | | | | | CX | coarsely crystalline | | | | | | | GRADC | Gradational top contact | GRADC | Gradational | | | | | | |
| | | | | | | | | | | | | | | GRADCI | Gradational and Irregular | GRADC | Gradational Irregular | | | | | | |
| | | | | | | | | | | | | | | GRNDC | Ground top contact | GRNDC | Ground | | | | | | |
| | | | | | | | | | | | | | | INTRC | Intrusive top contact | INTRC | Intrusive | | | | | | |
| | | | | | | | | | | | | | | IRC | Irregular | IRC | Irregular | | | | | | |
| | | | | | | | | | | | | | | INTDC | Jointed | INTDC | Jointed | | | | | | |
| | | | | | | | | | | | | | | SC | Sharp top contact | POTC | Potholed | | | | | | |
| | | | | | | | | | | | | | | SFRZC | Sharp frozen | SC | Sharp bottom contact | | | | | | |
| | | | | | | | | | | | | | | SIRC | Sharp irregular | SFRZC | Sharp frozen | | | | | | |
| | | | | | | | | | | | | | | SWVYC | Sharp wavy | SIRC | Sharp irregular | | | | | | |
| | | | | | | | | | | | | | | SHRC | Sheared | SWVYC | Sharp wavy | | | | | | |
| | | | | | | | | | | | | | | VAGC | Vague | SHRC | Sheared | | | | | | |
| | | | | | | | | | | | | | | | | VAGC | Vague | | | | | | |

Lithological Logging Dictionary +

**ScanIT allows the user to customize their project specific logging codes.**

- Each project is different therefore by having the logging dictionary customizable to suite each operation.
- Structures and Lithologies can have different codes.
- ScanIT allows user to view logging descriptions while logging instead of translating codes into words.
- Codes are populated into the excel export log and are easily imported into any geodatabase or modelling program.

# **ScanIT export** – geological log

| From | To | Length | TST* | TST^ | | Unit | Description |
|---|---|---|---|---|---|---|---|
| 134.9 | 136.38 | 1.48 | 0.96 | | | LEUCONORITE | 70% white plagioclase, 30% dark brown orthopyroxene |
| 136.38 | 136.56 | 0.18 | 0.12 | | | PEGMATITE VEIN | Pegmatite Vein |
| 136.56 | 225.22 | 88.66 | 57.36 | | | LEUCONORITE | 70% white plagioclase, 30% dark brown orthopyroxene |
| 225.22 | 235.24 | 10.02 | 6.48 | | | MELANORITE | 80% dark brown orthopyroxene, 20%white plagioclase. Anhedral grain form and r0und grain shape. Phaneritic rexture. |
| 235.24 | 236.39 | 1.15 | 0.74 | | | CHROMITITE | Black fine grained chromitite .Yellow Olivine Oikocrysts of 1cm consitute 10% of chromite. |
| 236.39 | 238.09 | 1.7 | 1.10 | | | MELANORITE | 80% dark brown orthopyroxene, 20%white plagioclase. Anhedral grain form and r0und grain shape. Phaneritic rexture. |
| 238.09 | 239.23 | 1.14 | 0.74 | | | CHROMITITE | Black fine grained chromitite .Yellow Olivine Oikocrysts of 1cm consitute 10% of chromite. |
| 239.23 | 242.25 | 3.02 | 1.95 | | | PYROXENITE | Pyroxenite with disseminated chromitite. |
| 242.25 | 242.94 | 0.69 | 0.45 | | | MG4 | Chromite stringers. Sharp contact. Contains numerous Anothosite bands as internal waste. |
| 242.94 | 268.29 | 25.35 | 16.40 | | | MELANORITE | 80% dark brown orthopyroxene, 20%white plagioclase. Anhedral grain form and r0und grain shape. Phaneritic rexture. |
| 268.29 | 269.48 | 1.19 | 0.77 | | | MG3 | Black fine grained Chromitite. Solid or competant. Yellow Olivine Oikocrysts 0.5cm with 5% modal abundance. Aphanitic |
| 269.48 | 270.69 | 1.21 | 0.78 | | | MOTTLED ANOTHOSITE | 1.5cm grey orthopyroxene mottles. Orthopyroxenes 10% Plagioclase 90% . Anhedral |
| 270.69 | | | | | | MOTTLED ANOTHOSITE | 1.5cm grey orthopyroxene mottles. Orthopyroxenes 10% Plagioclase 90% . Anhedral |
| | | | | | | | itite. Solid or competant.Yellow Olivine Oikocrysts 0.5cm constitute 10% of chromite. Aphanitic |
| | | | | | | | ite plagioclase, 98% dark brown orthopyroxenes with 0.1mm grain size. Anhedral grain form, round |
| | | | | | | | |
| | | | | | | | ite plagioclase, 98% dark brown orthopyroxenes with 0.1mm grain size. Anhedral grain form, round |
| | | | | | | | ated chromitite. |
| | | | | | | | itite .Yellow Olivine Oikocrysts of 1cm consitute 10% of chromite. |
| | | | | | | | ite plagioclase, 98% dark brown orthopyroxenes with 0.1mm grain size. Anhedral grain form, round |
| | | | | | | | itite .Yellow Olivine Oikocrysts of 1cm consitute 10% of chromite. |
| | | | | | | | ite plagioclase, 98% dark brown orthopyroxenes with 0.1mm grain size. Anhedral grain form, round |
| | | | | | | | itite .Yellow Olivine Oikocrysts of 1cm consitute 10% of chromite. |
| 318.16 | 318.32 | 0.16 | 0.10 | | | ORTHO-PYROXENITE | Ortho-Pyroxinite; 2% white plagioclase, 98% dark brown orthopyroxenes with 0.1mm grain size. Anhedral grain form, round |
| 318.32 | 318.34 | 0.02 | 0.01 | | | CHROMITITE | Black fine grained chromitite .Yellow Olivine Oikocrysts of 1cm consitute 10% of chromite. |
| 318.34 | 319.29 | 0.95 | 0.61 | | | ORTHO-PYROXENITE | Ortho-Pyroxinite; 2% white plagioclase, 98% dark brown orthopyroxenes with 0.1mm grain size. Anhedral grain form, round |
| 319.29 | 319.4 | 0.11 | 0.07 | | | CHROMITITE | Black fine grained chromitite .Yellow Olivine Oikocrysts of 1cm consitute 10% of chromite. |
| 319.4 | 347.8 | 28.4 | 18.37 | | | ORTHO-PYROXENITE | Ortho-Pyroxinite; 2% white plagioclase, 98% dark brown orthopyroxenes with 0.1mm grain size. Anhedral grain form, round |
| 347.8 | 347.85 | 0.05 | 0.03 | | | PEGMATITE VEIN | Pegmatite Vein |
| 347.85 | 352.69 | 4.84 | 3.13 | | | ORTHO-PYROXENITE | Ortho-Pyroxinite; 2% white plagioclase, 98% dark brown orthopyroxenes with 0.1mm grain size. Anhedral grain form, round |
| 352.69 | 352.84 | 0.15 | 0.10 | | | PEGMATITE VEIN | Pegmatite Vein |
| 352.84 | 366.64 | 13.8 | 8.93 | | | ORTHO-PYROXENITE | Ortho-Pyroxinite; 2% white plagioclase, 98% dark brown orthopyroxenes with 0.1mm grain size. Anhedral grain form, round |
| 366.64 | 366.93 | 0.29 | 0.19 | | | LG6A | Black fine grained Chromitite. Solid or competant.Yellow Olivine Oikocrysts 0.5cm constitute 20% of chromite. Aphanitic |
| 366.93 | 367.61 | 0.68 | 0.44 | | | ORTHO-PYROXENITE | Ortho-Pyroxinite; 2% white plagioclase, 98% dark brown orthopyroxenes with 0.1mm grain size. Anhedral grain form, round |
| 367.61 | 368.03 | 0.42 | 0.27 | | | LG6 | Black fine grained Chromitite. Solid or competant.Yellow Olivine Oikocrysts 0.5cm constitute 30% in modal abundance. |
| 368.03 | 368.68 | 0.65 | 0.42 | | | PYROXENITE | Pyroxenite with disseminated chromitite. |
| 368.68 | 402 | 33.32 | 21.56 | | | ORTHO-PYROXENITE | Ortho-Pyroxinite; 2% white plagioclase, 98% dark brown orthopyroxenes with 0.1mm grain size. Anhedral grain form, round |

The **True Stratigraphic Thickness** is calculated from the Lithological Contact alpha angle in un-orientated core, or the Dip and Dip Direction in orientated core.

Borehole Setup | Survey Data Input Template | Geological Borehole Log | Features | Structural data In

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# **ScanIT export** – survey data

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| | Drill Hole No | CollarEasting | CollarNorthing | CollarElevation | Final Length | Survey No | Depth [m] | Inclination | Azimuth | Northing | Easting | Elevation [m] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0 | 0 | 400 | 1 | 0 | -69,90 | 53 | 0,00 | 0,00 | 0,00 |
| 3 | | | | | | 2 | 24 | -69,90 | 53 | 5,10 | 6,65 | -22,49 |
| 4 | | | | | | 3 | 30 | -70,00 | 53 | 6,34 | 8,29 | -28,13 |
| 5 | | | | | | 4 | 36 | -69,90 | 53 | 7,58 | 9,93 | -33,76 |
| 6 | | | | | | 5 | 42 | -70,00 | 52 | 8,84 | 11,56 | -39,40 |
| 7 | | | | | | 6 | 48 | -69,90 | 52 | 10,11 | 13,17 | -45,04 |
| 8 | | | | | | 7 | 54 | -70,00 | 52 | 11,39 | 14,79 | -50,67 |
| 9 | | | | | | 8 | 60 | -70,10 | 52 | 12,65 | 16,40 | -56,31 |
| 10 | | | | | | 9 | 66 | -69,90 | 52 | 13,92 | 18,01 | -61,95 |
| 11 | | | | | | 10 | 72 | -69,80 | 52 | 15,19 | 19,64 | -67,58 |
| 12 | | | | | | 11 | 78 | -69,70 | 51 | 16,49 | 21,26 | -73,21 |
| 13 | | | | | | 12 | 84 | -69,80 | 52 | 17,78 | 22,89 | -78,84 |
| 14 | | | | | | 13 | 90 | -69,90 | 53 | 19,04 | 24,53 | -84,47 |
| 15 | | | | | | 14 | 96 | -70,00 | 53 | 20,29 | 26,16 | -90,11 |
| 16 | | | | | | 15 | 102 | -70,10 | 53 | 21,52 | 27,80 | -95,75 |
| 17 | | | | | | 16 | 108 | -70,10 | 53 | 22,74 | 29,44 | -101,39 |
| 18 | | | | | | 17 | 114 | -70,30 | 53 | 23,96 | 31,07 | -107,04 |
| 19 | | | | | | 18 | 120 | -70,30 | 54 | 25,16 | 32,69 | -112,69 |
| 20 | | | | | | 19 | 126 | -70,40 | 54 | 26,34 | 34,32 | -118,34 |
| 21 | | | | | | 20 | 132 | -70,60 | 54 | 27,52 | 35,94 | -123,99 |
| 22 | | | | | | 21 | 138 | -70,70 | 54 | 28,69 | 37,55 | -129,65 |
| 23 | | | | | | 22 | 144 | -70,90 | 55 | 29,84 | 39,16 | -135,32 |
| 24 | | | | | | 23 | 150 | -71,00 | 55 | 30,96 | 40,76 | -140,99 |

Borehole Setup | **Survey Data Input Template** | geological borehole log | Structural Logging Dictio ...

# **ScanIT export** – structural log

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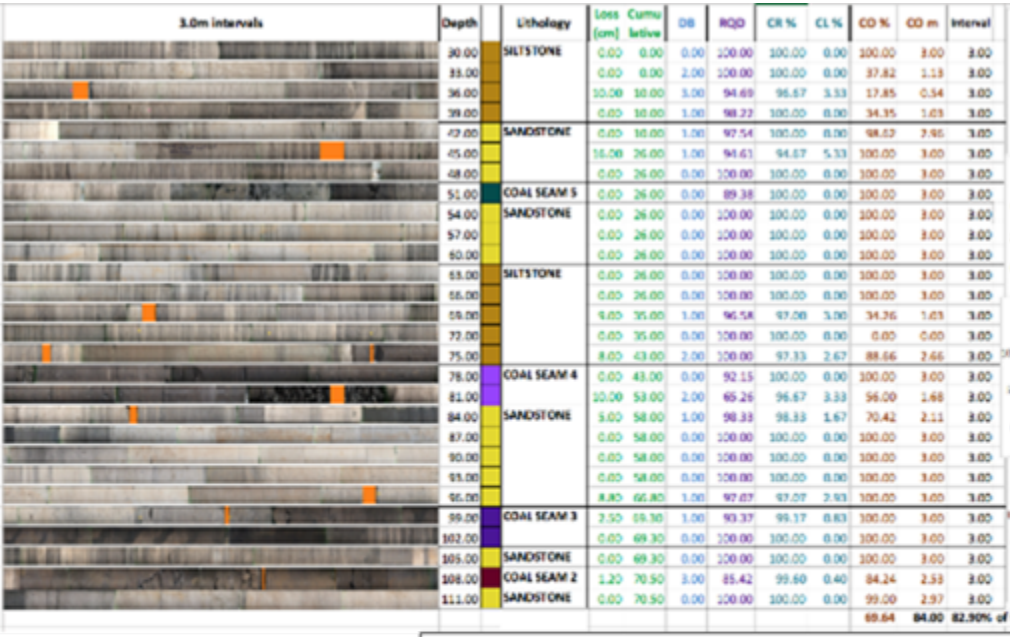
| | COORDINATES | | | PLANAR STRUCTURES | | | | | LINEAR STRUCTURES | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEPTH (m) | X | Y | Z | Plane ID | Description | alpha (0) | Dip | Dip Direction | Line ID | Description | Plunge | Trend |
| 134.90 | 28700.83 | -41677.00 | 993.74 | **LEUCONORITE** | 70% white plagioclase, 30% dark | 73.14 | 16.16 | 63.90 | | | | |
| 135.56 | 28700.84 | -41677.00 | 993.08 | **Lu** | Layering in un orientated core | 70.62 | 19.12 | 0.12 | | | | |
| 135.90 | 28700.84 | -41677.00 | 992.74 | **J1** | Joint Set ! | 27.96 | 61.36 | 81.95 | | | | |
| 136.38 | 28700.85 | -41677.00 | 992.26 | **PEGMATITE VEIN** | Pegmatite Vein | 48.99 | 41.71 | 242.77 | | | | |
| 136.56 | 28700.85 | -41676.99 | 992.08 | **LEUCONORITE** | 70% white plagioclase, 30% dark | 65.74 | 24.95 | 254.34 | | | | |
| 137.15 | 28700.85 | -41676.99 | 991.49 | **Lo** | layoring in orientated core | 58.11 | 31.65 | 137.81 | | | | |
| 138.09 | 28700.87 | -41676.99 | 990.55 | **Lu** | Layering in un orientated core | 65.99 | 23.76 | 135.27 | | | | |
| 138.71 | 28700.87 | -41676.98 | 989.93 | **Lu** | Layering in un orientated core | 68.18 | 21.32 | 110.40 | | | | |
| 139.08 | 28700.88 | -41676.98 | 989.56 | **J1** | Joint Set ! | 19.65 | 70.99 | 270.45 | | | | |
| 139.92 | 28700.89 | -41676.98 | 988.72 | **Lo** | layoring in orientated core | 64.42 | 24.86 | 60.43 | | | | |
| 140.78 | 28700.90 | -41676.97 | 987.86 | **Lu** | Layering in un orientated core | 71.39 | 17.96 | 37.16 | | | | |
| 142.98 | 28700.92 | -41676.96 | 985.66 | **Fault Zone** | | 24.28 | 64.99 | 59.94 | | | | |
| 144.06 | 28700.93 | -41676.96 | 984.58 | **J1** | Joint Set ! | 34.33 | 55.12 | 107.99 | | | | |
| 144.96 | 28700.94 | -41676.95 | 983.69 | **J2** | | 5.51 | 85.13 | 215.88 | | | | |
| 146.58 | 28700.96 | -41676.94 | 982.06 | **J1** | Joint Set ! | 60.49 | 28.84 | 38.76 | | | | |
| 148.41 | 28700.99 | -41676.93 | 980.23 | **J1** | Joint Set ! | 51.93 | 37.54 | 112.73 | | | | |
| 149.84 | 28701.00 | -41676.92 | 978.80 | **Lu** | Layering in un orientated core | 66.82 | 23.41 | 315.57 | | | | |
| 150.09 | 28701.01 | -41676.92 | 978.55 | **Lu** | Layering in un orientated core | 63.36 | 26.86 | 316.05 | | | | |
| 150.84 | 28701.02 | -41676.92 | 977.80 | **Lu** | Layering in un orientated core | 70.79 | 19.45 | 313.69 | | | | |
| 151.47 | 28701.02 | -41676.91 | 977.18 | **J1** | Joint Set ! | 51.08 | 39.33 | 183.41 | | | | |
| 151.87 | 28701.03 | -41676.91 | 976.77 | **J1** | Joint Set ! | 53.38 | 37.07 | 185.68 | | | | |
| 152.53 | 28701.04 | -41676.91 | 976.11 | **J2** | | 12.96 | 76.97 | 334.16 | | | | |
| 154.40 | 28701.06 | -41676.89 | 974.24 | **Lo** | layoring in orientated core | 78.07 | 12.08 | 317.21 | | | | |
| 156.72 | 28701.09 | -41676.88 | 971.92 | **Lu** | Layering in un orientated core | 55.69 | 34.34 | 328.65 | | | | |
| 157.16 | 28701.09 | -41676.87 | 971.49 | **Lu** | Layering in un orientated core | 66.89 | 23.35 | 312.81 | | | | |
| 157.24 | 28701.09 | -41676.87 | 971.41 | **Lu** | Layering in un orientated core | 57.32 | 32.89 | 315.41 | | | | |
| 159.98 | 28701.13 | -41676.85 | 968.66 | **Lu** | Layering in un orientated core | 76.17 | 14.14 | 302.42 | | | | |
| 170.73 | 28701.25 | -41676.76 | 957.92 | **Lo** | layoring in orientated core | 71.75 | 17.73 | 349.20 | | | | |
| 171.04 | 28701.25 | -41676.76 | 957.61 | **Lo** | layoring in orientated core | 68.47 | 21.16 | 338.65 | | | | |
| 171.78 | 28701.26 | -41676.75 | 956.86 | **Lo** | layoring in orientated core | 55.81 | 33.44 | 6.76 | | | | |
| 172.45 | 28701.27 | -41676.74 | 956.19 | **Lo** | layoring in orientated core | 65.03 | 24.06 | 25.36 | | | | |
| 172.63 | 28701.27 | -41676.74 | 956.02 | **Lo** | layoring in orientated core | 60.08 | 29.05 | 18.93 | | | | |
| 175.56 | 28701.31 | -41676.70 | 953.09 | **Lo** | layoring in orientated core | 64.61 | 24.73 | 356.31 | | | | |
| 175.63 | 28701.31 | -41676.70 | 953.01 | **Lo** | layoring in orientated core | 59.24 | 29.97 | 6.77 | | | | |
| 176.60 | 28701.32 | -41676.69 | 952.04 | **Lo** | layoring in orientated core | 66.04 | 23.26 | 359.78 | | | | |
| 178.36 | 28701.35 | -41676.67 | 950.29 | **Lo** | layoring in orientated core | 62.23 | 27.29 | 343.70 | | | | |

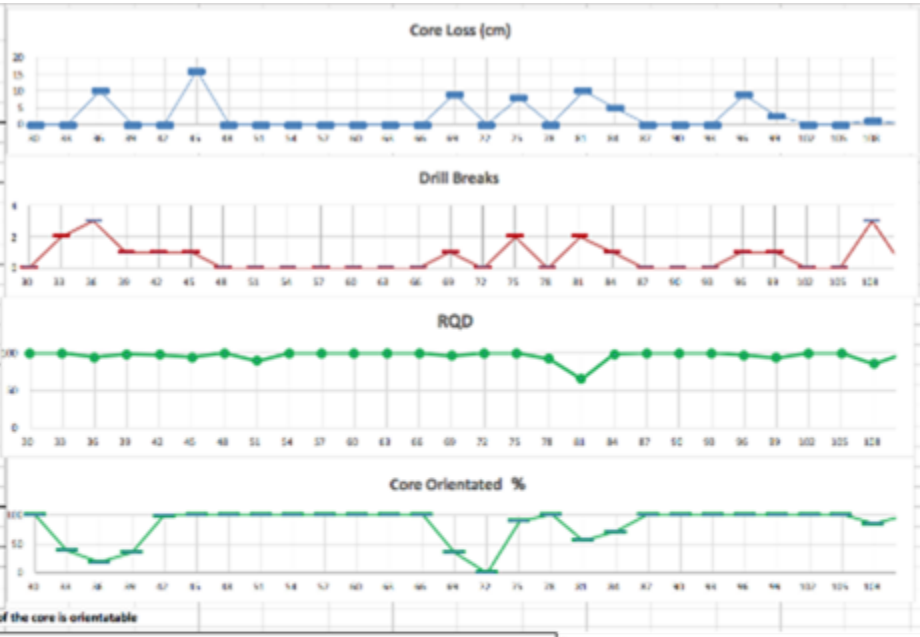
Borehole Setup | Survey Data Input Template | Geological Borehole Log | Features | Structural data Internal Angles | **Structural Dip & Dip Direction** | Geotech

# **ScanIT export** – geotechnical data output

Unique Core Products Africa (PTY) LTD.



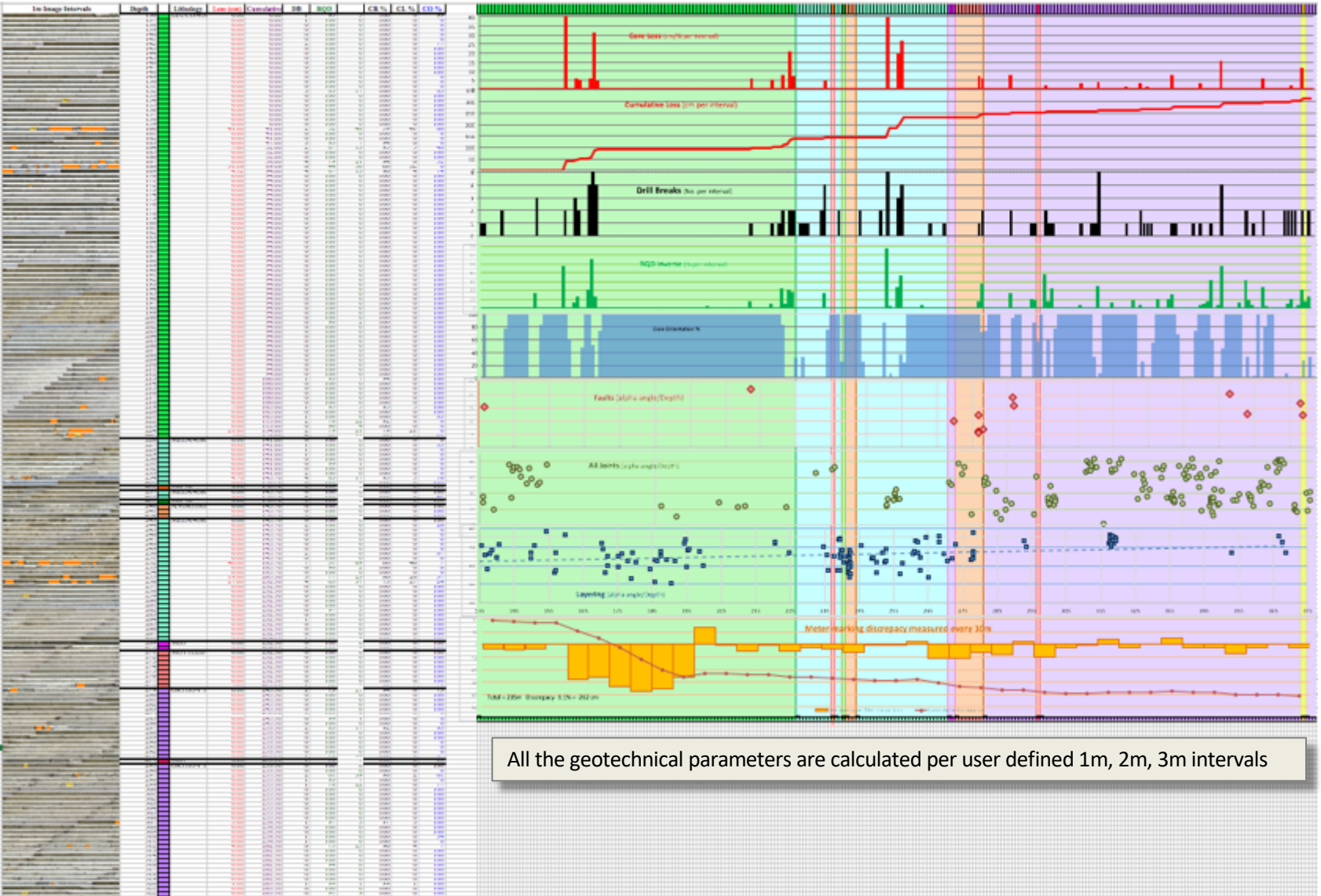
| 3.0m intervals | Depth | | Lithology | Loss (cm) | Cumulative | DB | RQD | CR % | CL % | CO % | CO m | Interval |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 30.00 | | SILTSTONE | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 33.00 | | | 0.00 | 0.00 | 2.00 | 100.00 | 100.00 | 0.00 | 37.82 | 1.13 | 3.00 |
| | 36.00 | | | 10.00 | 10.00 | 1.00 | 94.69 | 96.67 | 3.33 | 17.85 | 0.54 | 3.00 |
| | 39.00 | | | 0.00 | 10.00 | 1.00 | 98.22 | 100.00 | 0.00 | 34.35 | 1.03 | 3.00 |
| | 42.00 | | SANDSTONE | 0.00 | 10.00 | 1.00 | 97.54 | 100.00 | 0.00 | 98.02 | 2.95 | 3.00 |
| | 45.00 | | | 16.00 | 26.00 | 1.00 | 94.61 | 94.67 | 5.33 | 100.00 | 3.00 | 3.00 |
| | 48.00 | | | 0.00 | 26.00 | 0.00 | 100.00 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 51.00 | | COAL SEAM 5 | 0.00 | 26.00 | 0.00 | 89.38 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 54.00 | | SANDSTONE | 0.00 | 26.00 | 0.00 | 100.00 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 57.00 | | | 0.00 | 26.00 | 0.00 | 100.00 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 60.00 | | | 0.00 | 26.00 | 0.00 | 100.00 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 63.00 | | SILTSTONE | 0.00 | 26.00 | 0.00 | 100.00 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 66.00 | | | 0.00 | 26.00 | 0.00 | 100.00 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 69.00 | | | 9.00 | 35.00 | 1.00 | 96.58 | 97.00 | 3.00 | 34.36 | 1.03 | 3.00 |
| | 72.00 | | | 0.00 | 35.00 | 0.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 3.00 |
| | 75.00 | | | 8.00 | 43.00 | 2.00 | 100.00 | 97.33 | 2.67 | 88.66 | 2.66 | 3.00 |
| | 78.00 | | COAL SEAM 4 | 0.00 | 43.00 | 0.00 | 92.15 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 81.00 | | | 10.00 | 53.00 | 2.00 | 65.26 | 96.67 | 3.33 | 56.00 | 1.68 | 3.00 |
| | 84.00 | | SANDSTONE | 5.00 | 58.00 | 1.00 | 98.33 | 98.33 | 1.67 | 70.42 | 2.11 | 3.00 |
| | 87.00 | | | 0.00 | 58.00 | 0.00 | 100.00 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 90.00 | | | 0.00 | 58.00 | 0.00 | 100.00 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 93.00 | | | 0.00 | 58.00 | 0.00 | 100.00 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 96.00 | | | 8.80 | 66.80 | 1.00 | 97.07 | 97.07 | 2.93 | 100.00 | 3.00 | 3.00 |
| | 99.00 | | COAL SEAM 3 | 2.50 | 69.30 | 1.00 | 93.37 | 99.17 | 0.83 | 100.00 | 3.00 | 3.00 |
| | 102.00 | | | 0.00 | 69.30 | 0.00 | 100.00 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 105.00 | | SANDSTONE | 0.00 | 69.30 | 0.00 | 100.00 | 100.00 | 0.00 | 100.00 | 3.00 | 3.00 |
| | 108.00 | | COAL SEAM 2 | 1.20 | 70.50 | 1.00 | 85.42 | 99.60 | 0.40 | 84.24 | 2.53 | 3.00 |
| | 111.00 | | SANDSTONE | 0.00 | 70.50 | 0.00 | 100.00 | 100.00 | 0.00 | 99.00 | 2.97 | 3.00 |
| | | | | | | | | | | 69.64 | 84.00 | 82.90% of the core is orientatable |




ScanIT automatically calculates the basic geotechnical parameters per 1, 2 or 3m intervals:

- **COLLATED IMAGE** illustrates the composite image broken down according to the interval size.
- **CORE LOSS** refers to actual amount of core lost during drilling in cm or % per interval.
- **RQD (Rock Quality Designation) i**s calculated using the Natural Breaks in the interval.
- **DRILL BREAKS** or **ORIENTATION DICONTINUITES** are calculated from no. of breaks per interval.
- **CORE ORIENTATION** is the amount of core that can be reliably orientated, measured as meters or percentage.

# **ScanIT** – borehole statistics




All the geotechnical parameters are calculated per user defined 1m, 2m, 3m intervals