

OR/19/049 Summary

From Earthwise

[Jump to navigation](#) [Jump to search](#)

Kearsey, T, Gillespie, M, Entwisle, D, Damaschke, M, Wylde, S, Fellgett, M, Kingdon, A, Burkin, J, Starcher, V, Shorter, K, Barron, H, Elsome, J, Barnett, M, and Monaghan, A. 2019. UK Geoenergy Observatories Glasgow: GGC01 cored, seismic monitoring borehole — intermediate data release. *British Geological Survey Internal Report*, OR/19/049.

This report gives an overview of information related to an intermediate data release of the borehole information pack for UK Geoenergy Observatories: Glasgow borehole GGC01.

The cored, seismic monitoring borehole GGC01 (BGS SOBI number NS66SW BJ 3754, BGS ID 20650619) was drilled between 19 November and 12 December 2018 producing a core of 102 mm diameter. The borehole was wireline logged in December 2018 and a string of 5 seismometers were installed in February 2019.

The core was transported to the National Geological Repository (NGR) at BGS Keyworth and was curated into 1 m core boxes. State-of-the-art core scanners are being used to collect radiographic, CT, optical images, geophysical log and XRF along core datasets. Optical images and radiographic images are included in the intermediate release. Also included are sedimentary, discontinuity and engineering logs.

Contributions to this report and the intermediate data release are as follows:

- **Tim Kearsey, Joel Burkin** - sedimentary log and stratigraphical interpretation
- **Martin Gillespie** - discontinuity log
- **David Entwisle** - engineering geology log, Suzanne Self - drawing up engineering log
- **Magret Damaschke, Simon Wylde** - core scanning and processing
- **Mark Fellgett, Andy Kingdon** - core scanning, workflow and results
- **Alison Monaghan** - coordinating intermediate data release

The datasets and descriptions from the initial data release are included in this data release to form the definitive dataset for this borehole. Authorship for the initial dataset was as follows:

- **Vanessa Starcher:** Technical overview, wireline log data acquisition
- **Kirsty Shorter:** Fluid and geomicrobiology samples, tracer information, field measurements, photo metadata
- **Hugh Barron:** On-site core and data acquisition, initial geological interpretation
- **Joel Burkin:** Geomicrobiology samples, on site core management and initial geological interpretation
- **Jack Elsome:** Fluid and geomicrobiology samples
- **Mark Fellgett:** Wireline log data checking and documentation
- **Andy Kingdon:** Wireline log data checking and documentation
- **Megan Barnett:** Geomicrobiology samples
- **Alison Monaghan:** Coordinating initial data pack, initial geological interpretation

IMPORTANT — Note that core and borehole depths given in this intermediate and the initial data release are ‘drillers’ depths’ and have not been depth-shifted to account for intervals of non-recovery. These ‘drillers’ depths’ used for the sedimentary, discontinuity and engineering logs,

sample depths, core scan images and labelling of core boxes in the National Geological Repository (NGR) core store (BGS Keyworth) are internally consistent. There are some mismatches of up to c. 1 m with the downhole geophysical (wireline) log data due to non-recovery intervals and oversized core stick lengths.

Depth-shifts to align log, core box and sample depths with downhole geophysical (wireline) depths are being undertaken such that the final borehole data pack will contain reference to drillers' depths and corrected depths, for studies that require this core-downhole log integration.

Retrieved from 'http://earthwise.bgs.ac.uk/index.php?title=OR/19/049_Summary&oldid=45078'
[Category](#):

- [OR/19/049 UK Geoenergy Observatories Glasgow: GGC01 cored, seismic monitoring borehole - intermediate data release](#)

Navigation menu

Personal tools

- Not logged in
- [Talk](#)
- [Contributions](#)
- [Log in](#)
- [Request account](#)

Namespaces

- [Page](#)
- [Discussion](#)

Variants

Views

- [Read](#)
- [Edit](#)
- [View history](#)
- [PDF Export](#)

More

Search

Navigation

- [Main page](#)
- [Recent changes](#)
- [Random page](#)
- [Help about MediaWiki](#)

Tools

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Permanent link](#)
- [Page information](#)
- [Cite this page](#)
- [Browse properties](#)

• This page was last modified on 21 January 2020, at 10:01.

- [Privacy policy](#)
- [About Earthwise](#)
- [Disclaimers](#)

