

Kalambo Falls, Zambia 2019: datafiles – waterlogged wood and related analyses

The five files in this database provide access to high resolution images of the woods recovered from archaeological excavations at Site BLB in 2019 and from the subsequent analyses (up to April 2023). Waterlogged deposits preserved wood from Acheulean/Sangoan contexts at Site BLB. The analyses include macrophotography (close ups) of wood surfaces, Reflectance Transformation Imaging (RTI) and photogrammetry models of the wood objects. Also included are RTI and SEM images taken as part of a pilot taphonomic study of the effects of flowing water on the preservation of surface modification marks (e.g. striations from scraping and facets from hewing).

The content of each file is described briefly and for the RTI and photogrammetry images links are given to the software needed to access these files.

File 1 Photographs: contains photographs of the wood as excavated and after storage, without annotations. No specialist software is needed to access these jpg images. The images are those submitted for publication in *Nature* (main article and Extended Data, figures 1-9);

File 2 RTI images: contains RTI files of each of the wood objects excavated in 2019. To view the RTI models a free viewer can be downloaded at https://culturalheritageimaging.org/What_We_Offer/Downloads/

File 3 Schematic 3D images: RTI composite images of individual wood objects from excavations BLB2, BLB3, BLB4 and BLB5. No specialist software needed to view.

File 4 Photogrammetry models: models of each piece of wood recovered in 2019. To view the photogrammetry models a free viewer can be downloaded at <https://www.agisoft.com/downloads/installer/>

File 5 Taphonomic experiment: These are the RTI and SEM images used in the Supplementary Information 6 as published in *Nature*. The numbering of the figures follows that from the published source. No specialist software needed to access these images.

Also included, is a file with RTI and SEM images from a pilot taphonomic experiment on the effects of flowing water on the preservation of shaping marks.

re organi

1) High resolution images of the archaeological