

Sunoikisis Digital Classics 2017 – Session 16

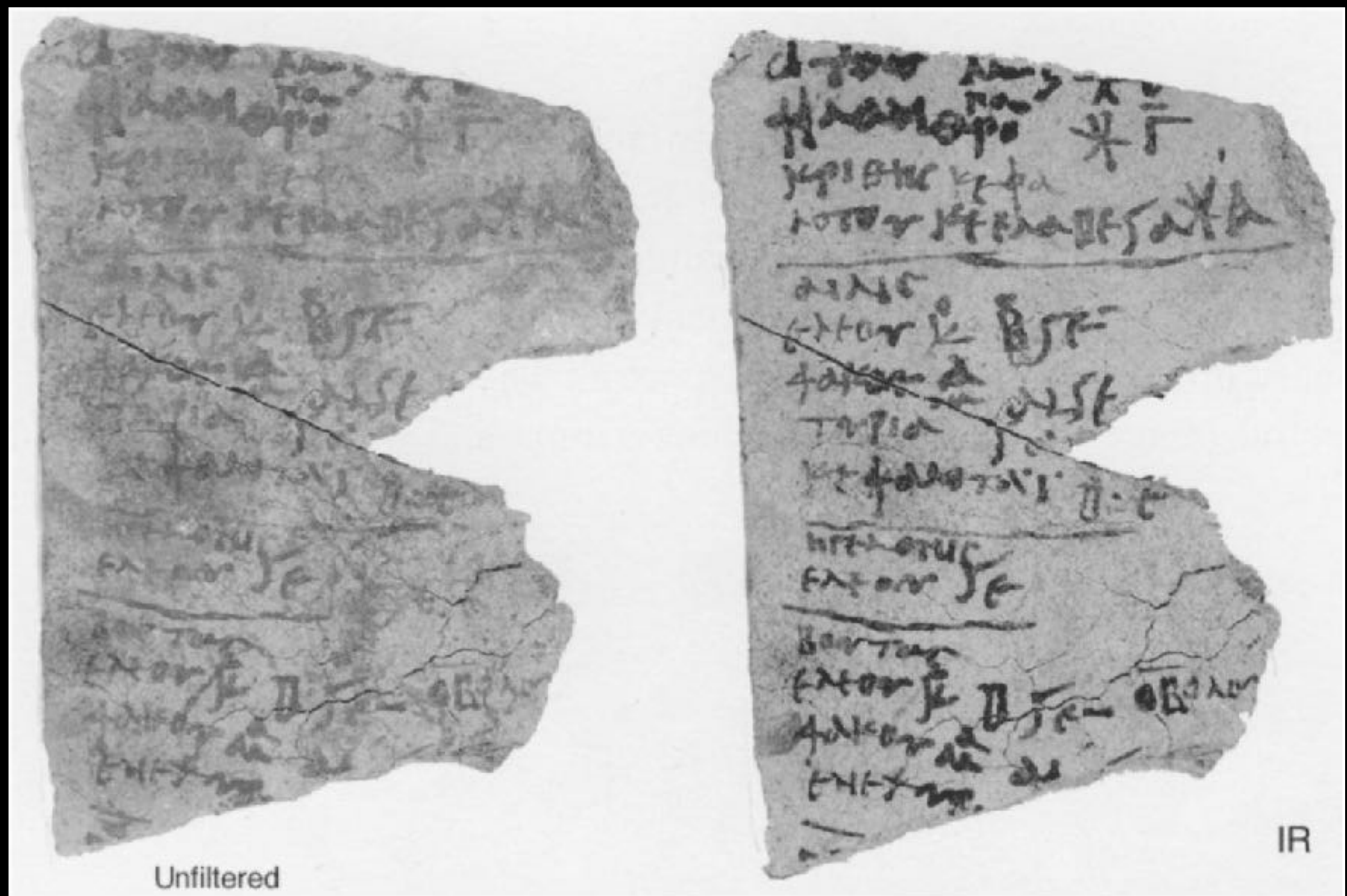
Digital Papyrology: literary and paraliterary texts
and linguistic annotation of documentary papyri

Advanced Imaging Technologies for Papyrology

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ostrakon captured with infrared photography,
which enhances the contrast

Image from: A. Bülow-Jacobsen, *Infra-Red Photography of Ostraca and Papyri*, ZPE 165 (2008), pp. 175-185, in part. p. 179, fig. 3.



severely discoloured papyrus from cartonnage, captured with infrared photography

Image from: A. Bülow-Jacobsen, *Infra-Red Photography of Ostraca and Papyri*, ZPE 165 (2008), pp. 175-185, in part. p. 179, fig. 4.



carbonised papyrus from
Herculaneum,
unfiltered black & white photo

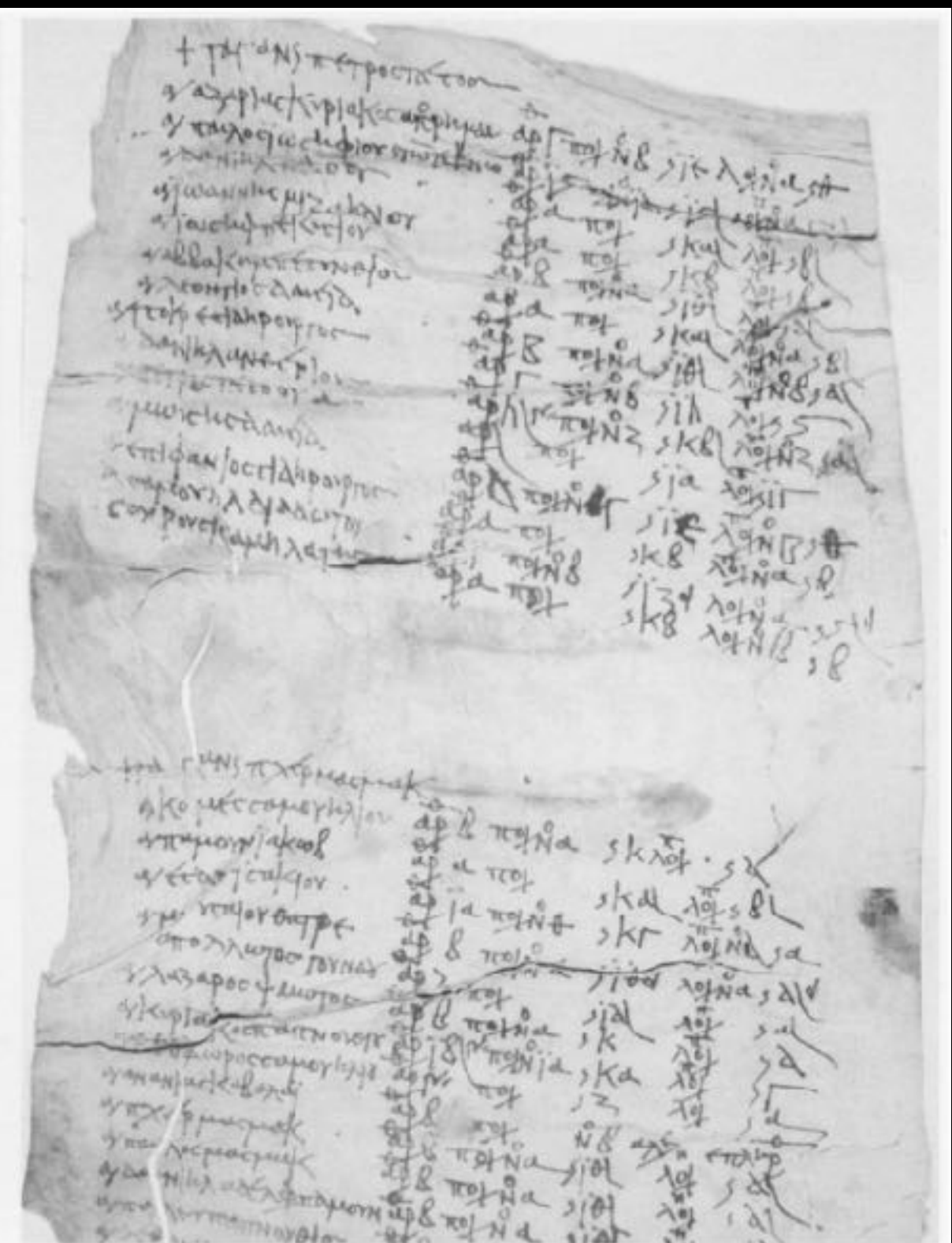


the same papyrus captured
with infrared photography

Images from: A. Bülow-Jacobsen, *Infra-Red Photography of Ostraca and Papyri*, ZPE 165 (2008), pp. 175-185, in part. p. 180, figg. 5a-5b.



Normal photo



Infrared

very darkened fragment of skin

Image from: A. Bülow-Jacobsen, *Infra-Red Photography of Ostraca and Papyri*, ZPE 165 (2008), pp. 175-185, in part. p. 183, fig. 7.

Vindolanda Tablet 291

Wood writing tablet written in ink. Party invitation from Claudia Severa to Lepidina

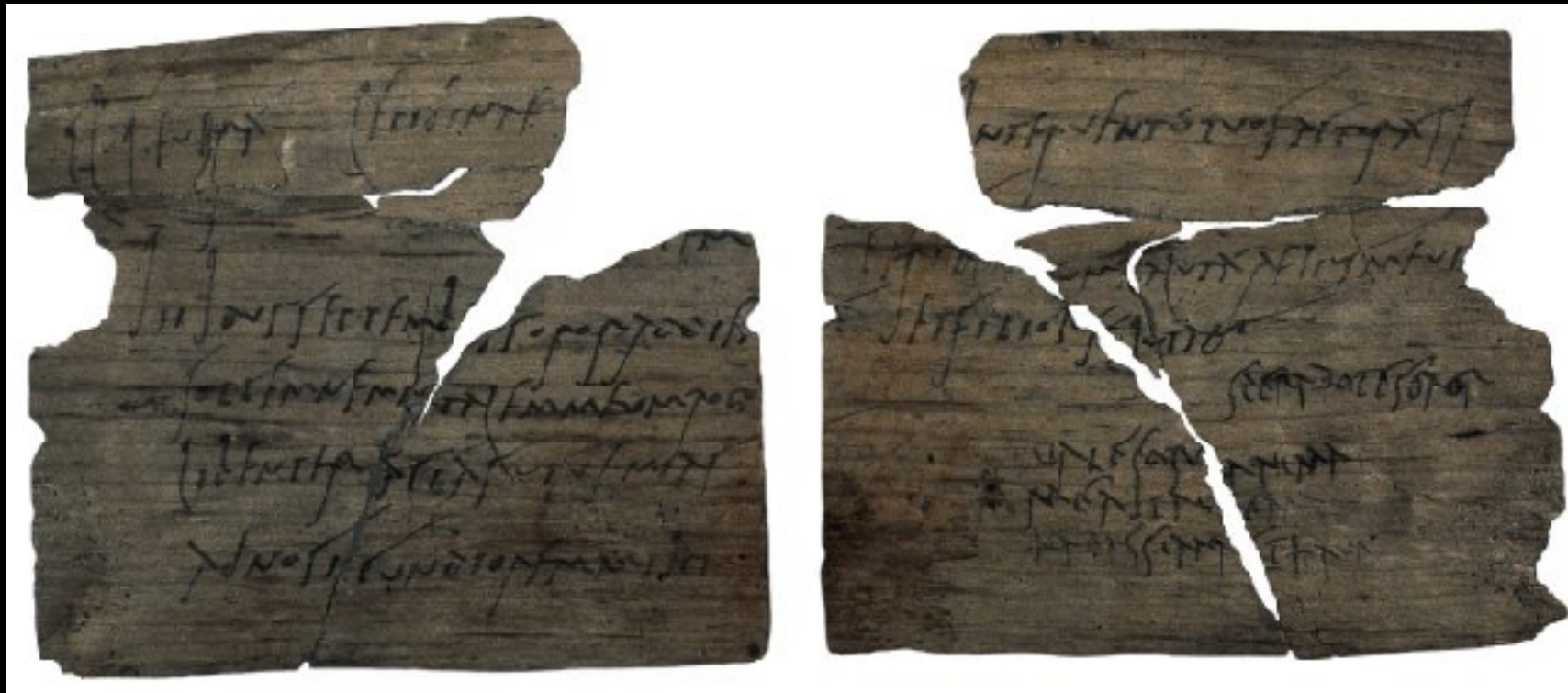
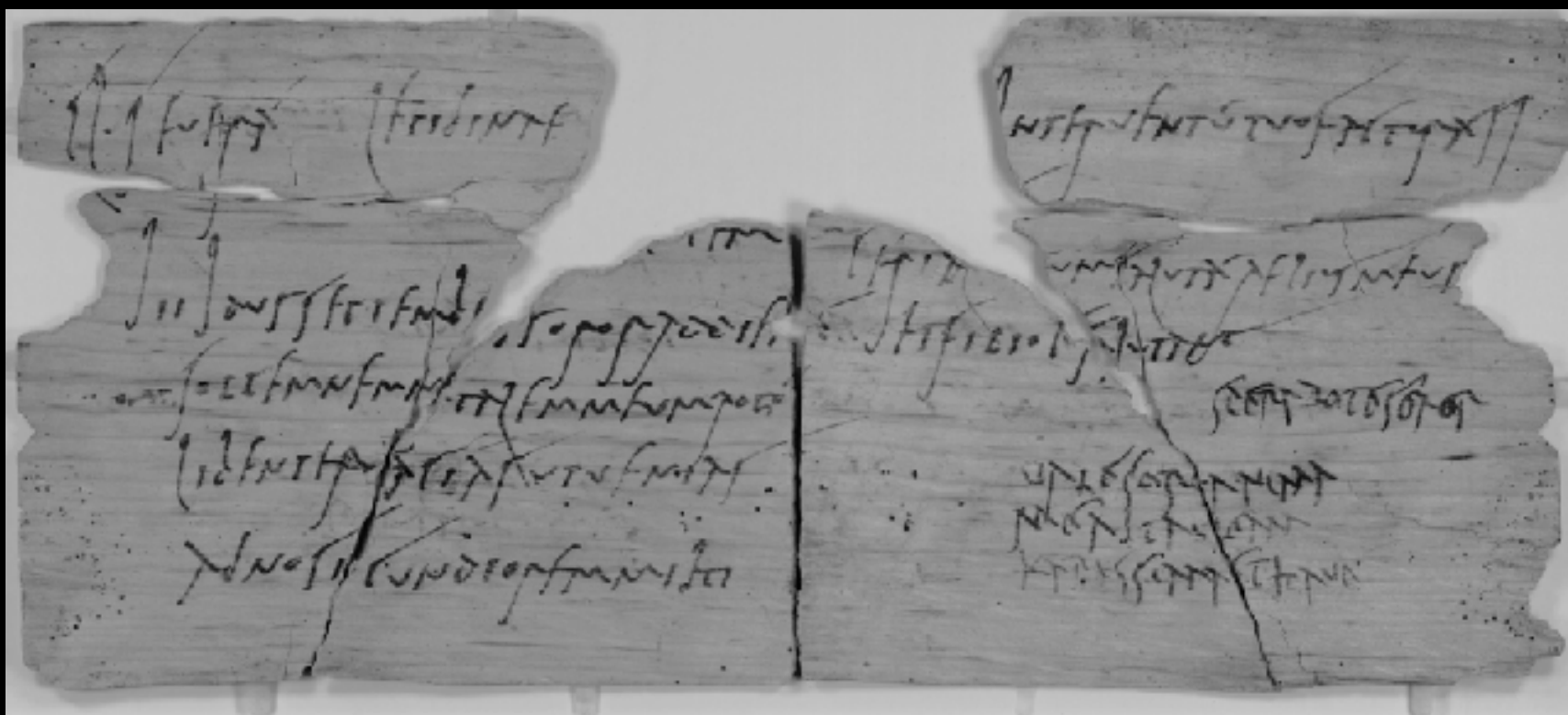


Image from: The British Museum, *Writing tablet*, britishmuseum.org/research/collection_online/collection_object_details/collection_image_gallery.aspx?partid=1&assetid=209936001&objectid=1362732



Captured by digital infrared photography

Image from: Centre for the Study of Ancient Documents (Oxford), The British Museum, *Vindolanda Tablets Online II*, vto2.classics.ox.ac.uk, tablet 291



Image from: S. Tarte, *Interpreting Textual Artefacts: Cognitive Insights into Expert Practices*, in *Proceedings of the Digital Humanities Congress 2012*, <https://www.hrionline.ac.uk/openbook/chapter/dhc2012-tarte>

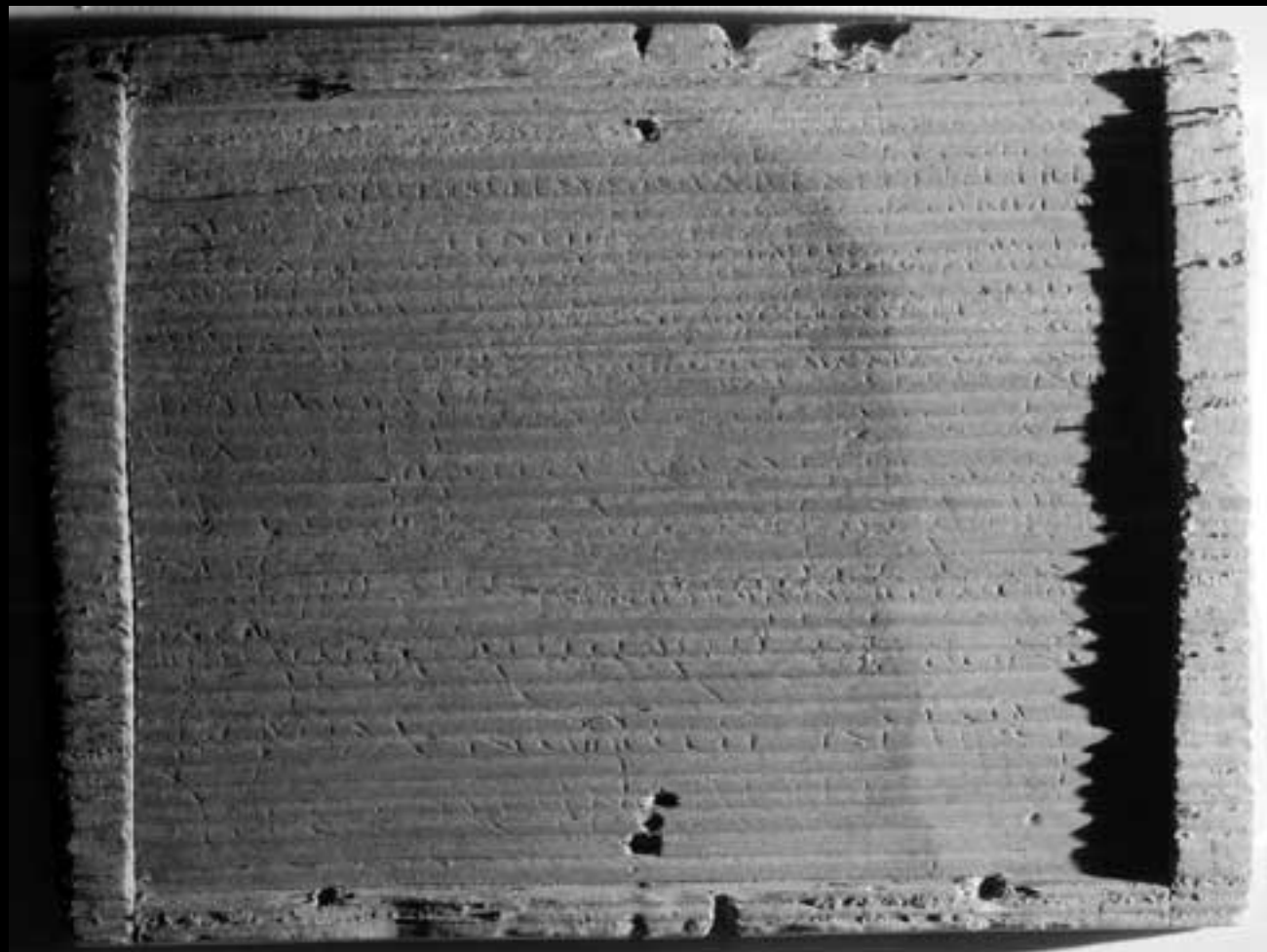


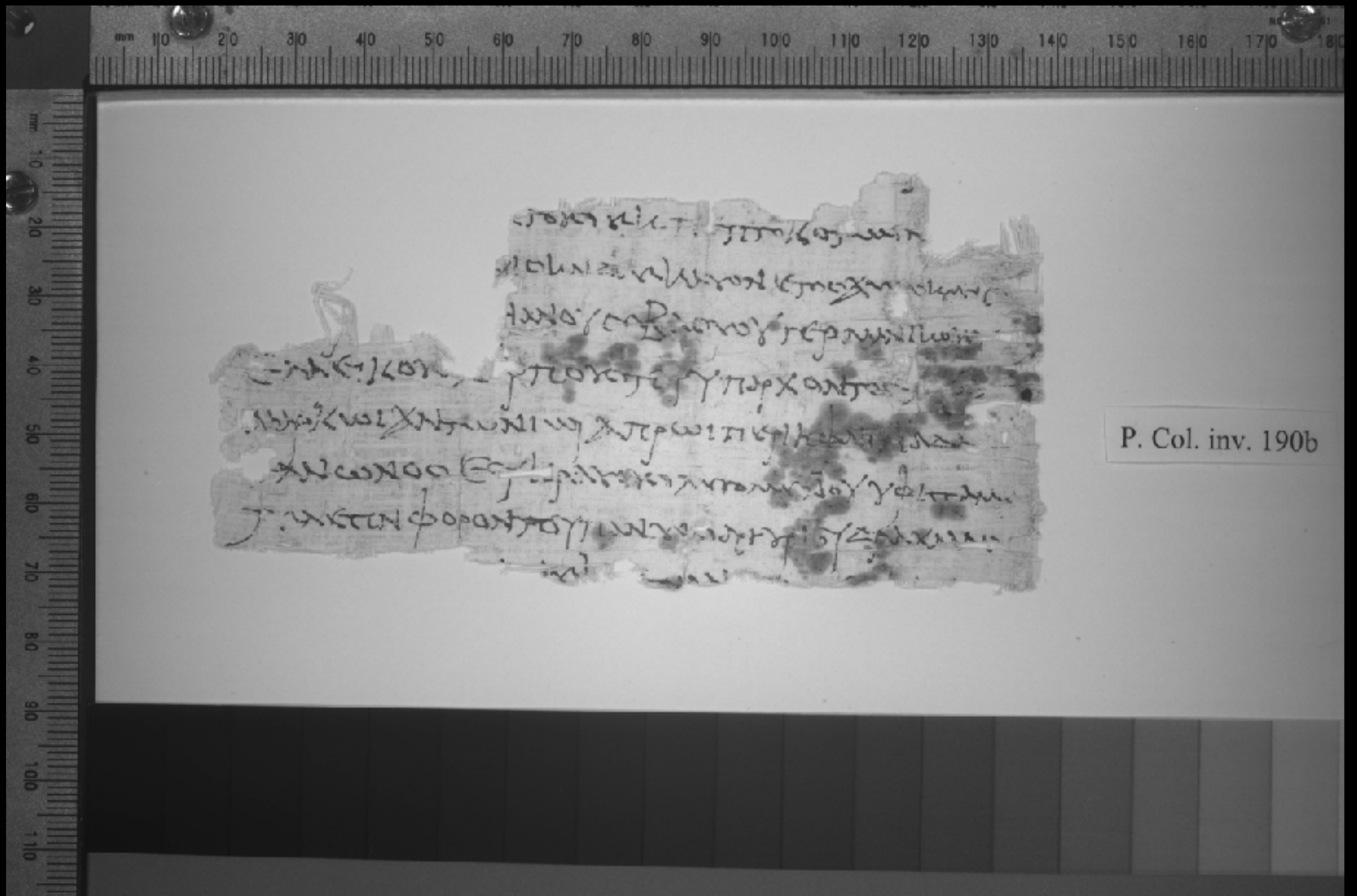
Image from: Centre for the Study of Ancient Documents, The British Museum, *Vindolanda Tablets Online*, *The use and formats of writing tablets*, <http://vindolanda.csad.ox.ac.uk/exhibition/docs-3.shtml>

A Vindolanda stylus tablet, lit from a low angle, reveals traces of writing



Image from: E. Kotoula & G. Earl, *Digital Research Strategies for Ancient Papyri: A Case Study on Mounted Fragments of The Derveni Papyrus*, in , pp. 145-154, in part. 146, fig. 1.

P.Derveni:
comparison of digital image (left) and RTI visualisation (right)



P.Col. inv. 190b, sites.lib.byu.edu/scholarsarchive/image-collections/byu-multi-spectral-imaging-project/

multispectral imaging visualisation



About the Project

A NOTE FROM THE IAA
DIRECTOR

THE IAA

THE DIGITAL LIBRARY

THE LEON LEVY AND
ARCADIA FUNDS

CREDITS

The Digital Library



Spectral imaging of a
Genesis scroll

In partnership with Google Research and Development Center in Israel, the Israel Antiquities Authority (IAA) has launched The Leon Levy Dead Sea Scrolls Digital Library to document the entire Dead Sea Scrolls collection online

deadseascrolls.org

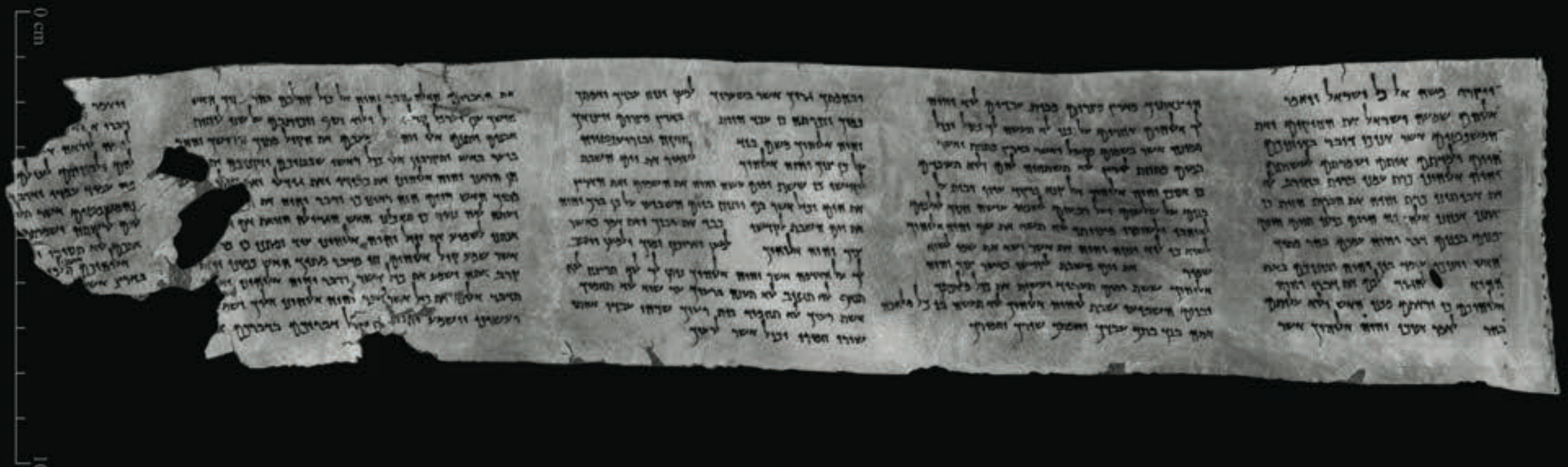
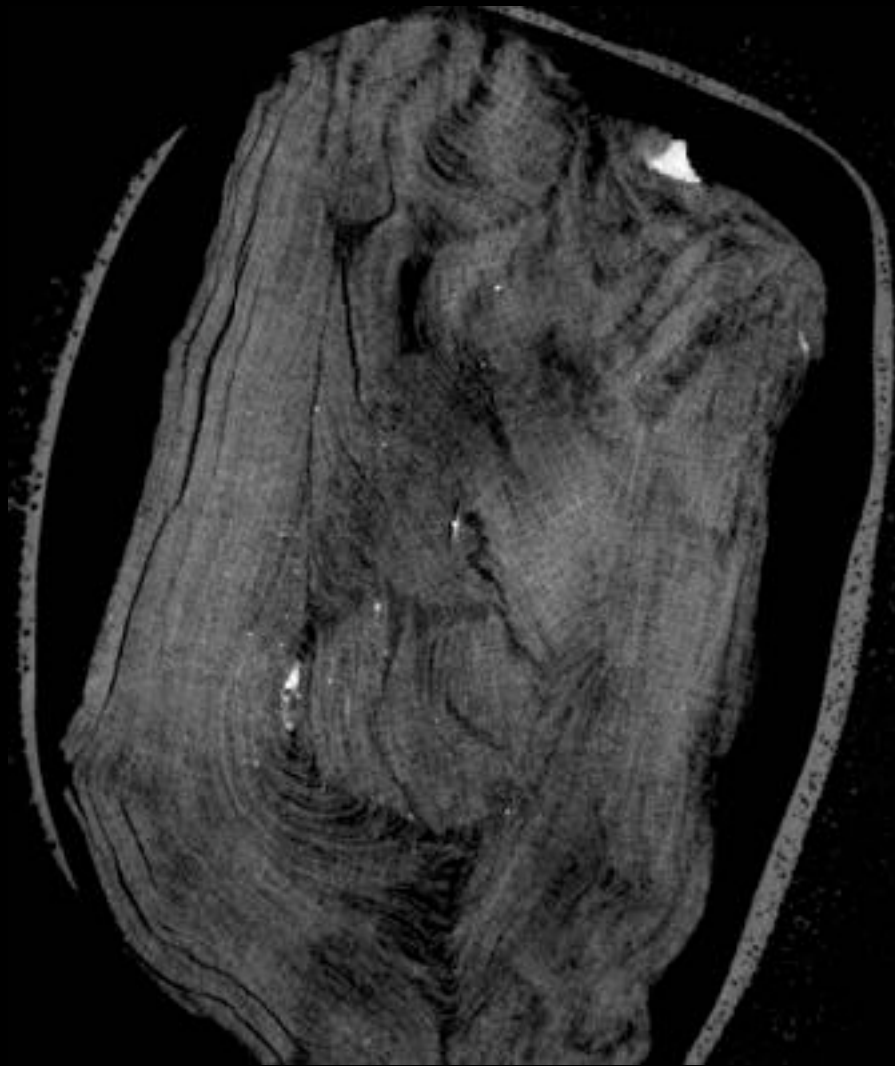


Image from: P. Shor et al., *The Leon Levy Dead Sea Scrolls Digital Library The Digitization Project of the Dead Sea Scrolls*, *Journal of Eastern Mediterranean Archaeology & Heritage Studies*, II, 2 (2014), pp. 71-89, in part. p. 85, fig. 19.

the ten commandments Deuteronomy scroll
(4Qdeutn), multispectral image

EDUCE project: first steps in virtually unrolling Herculaneum papyri



3D scan of a roll (PHerc Paris 3),
a complete unopened scroll from
Herculaneum

Image from: The University of Kentucky Center for
Visualization & Virtual Environments, *First Scans of the
Herculaneum Papyri*, [vis.uky.edu/blog/2009/07/10/first-
scans-of-herculaneum-papyri/](http://vis.uky.edu/blog/2009/07/10/first-scans-of-herculaneum-papyri/)