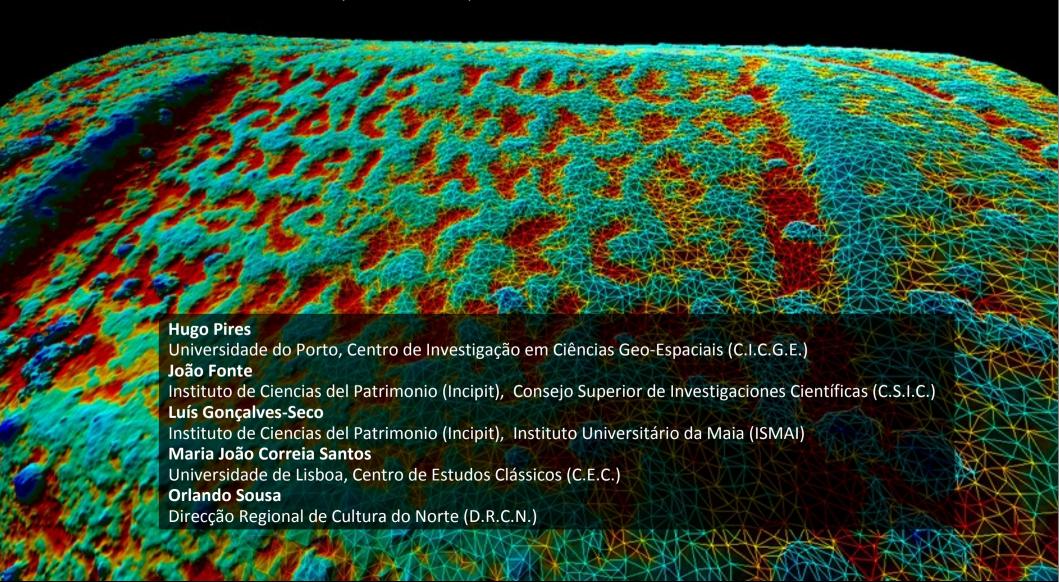
Morphological Residual Model

A NEW TOOL FOR ENHANCING EPIGRAPHIC READINGS

EAGLE 2014 International Conference | 17 SEP 2014 | Paris - France



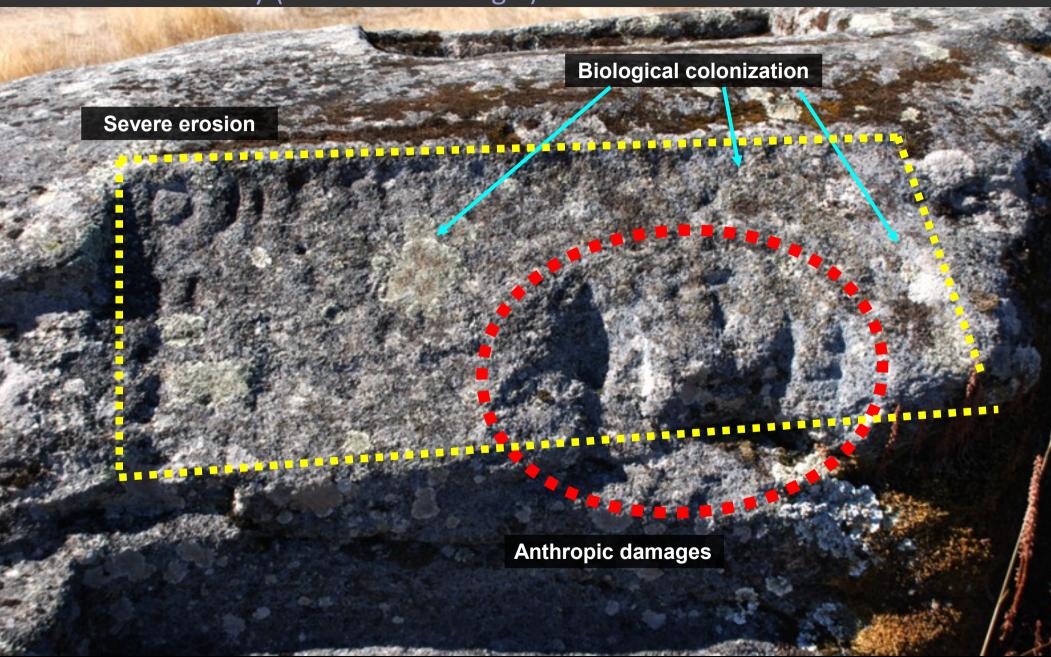
Case-study

Panóias Sanctuary (Vila Real - Portugal)

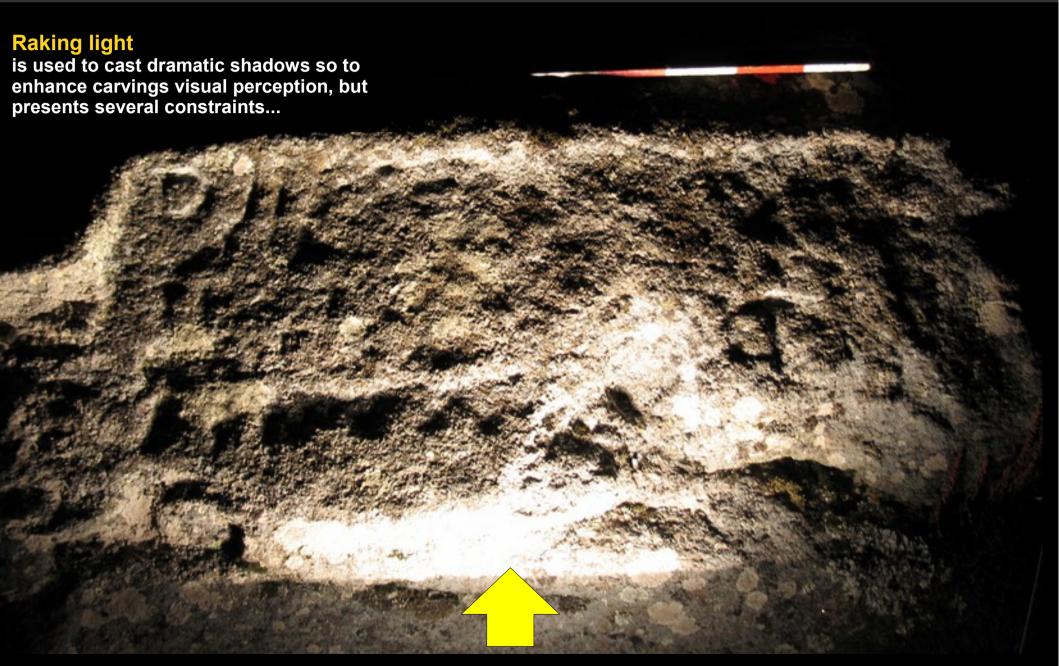


Case-study

Panóias Sanctuary (Vila Real - Portugal)



Raking light photography

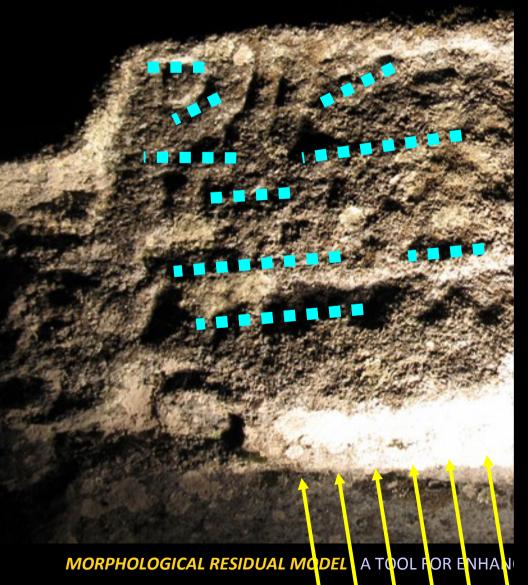


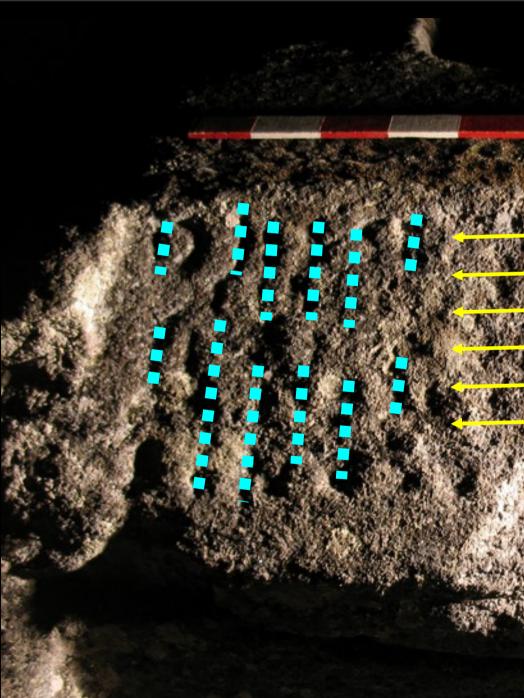
Raking light photography



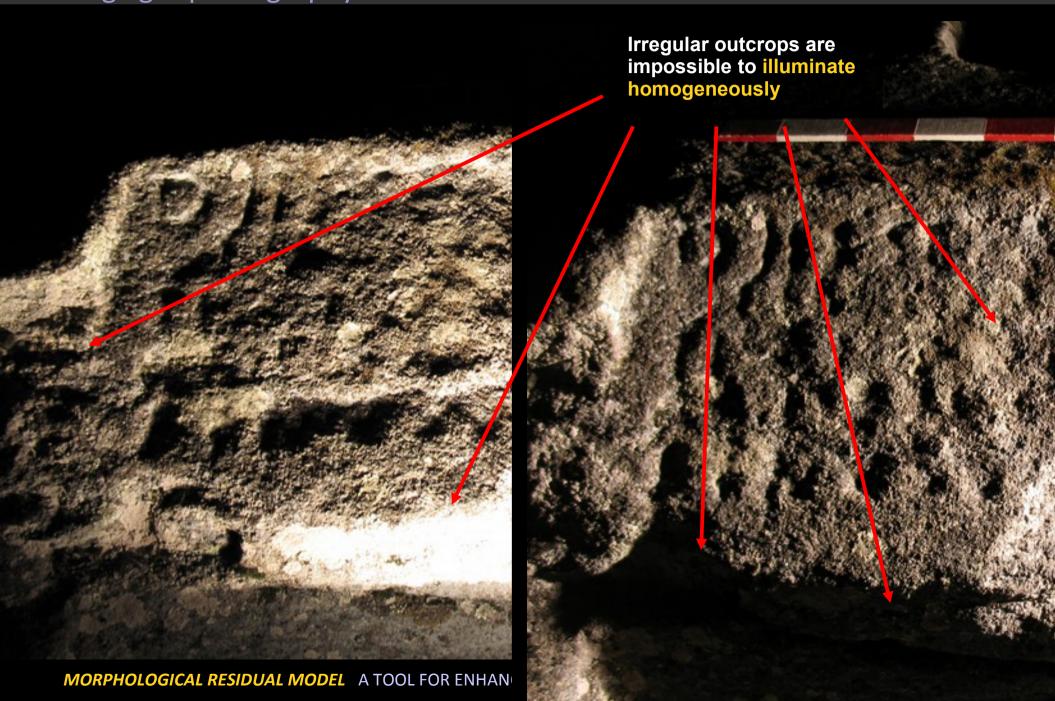
Raking light photography

The visual appearance of carvings changes dramatically according to light direction.





Raking light photography



Is 3D scan the solution?



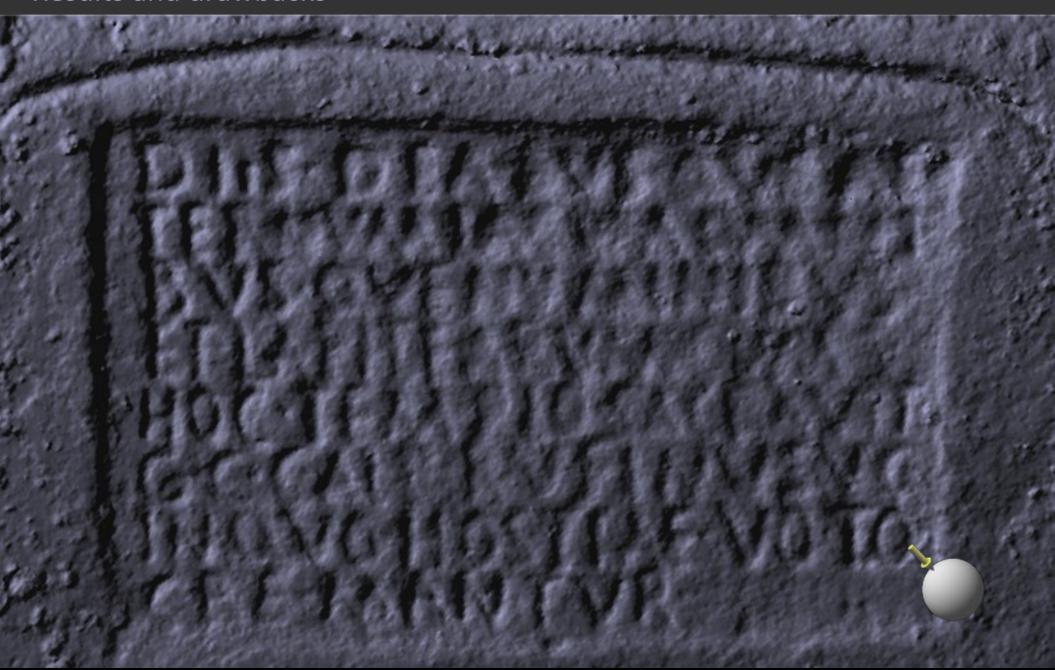
3D Scan
Results and drawbacks



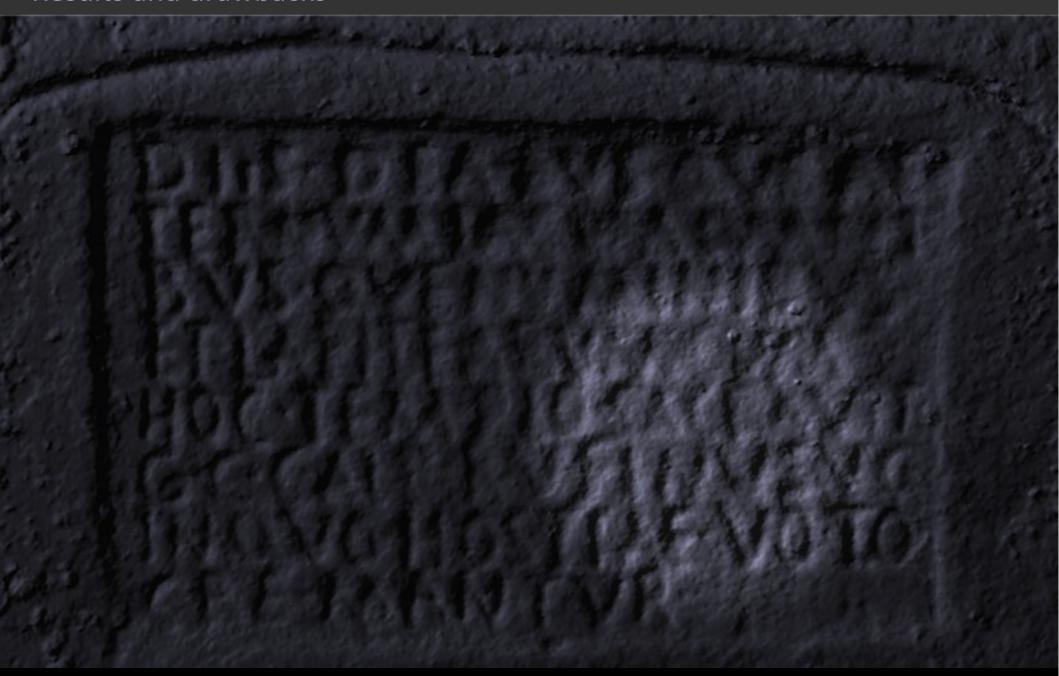
3D Scan
Results and drawbacks



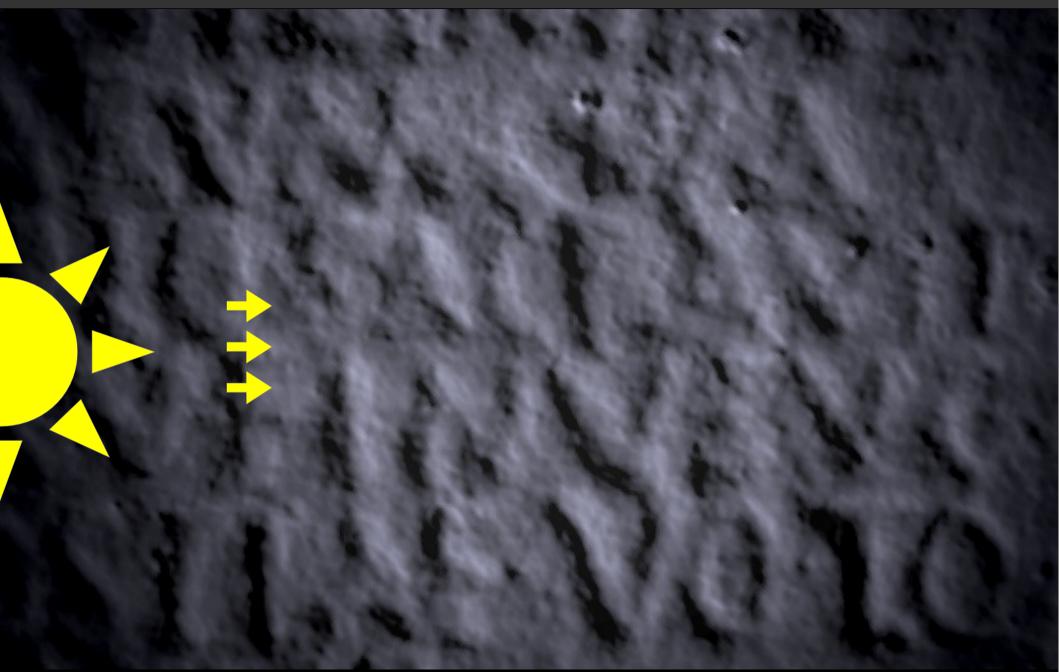
3D Scan
Results and drawbacks



3D Scan
Results and drawbacks

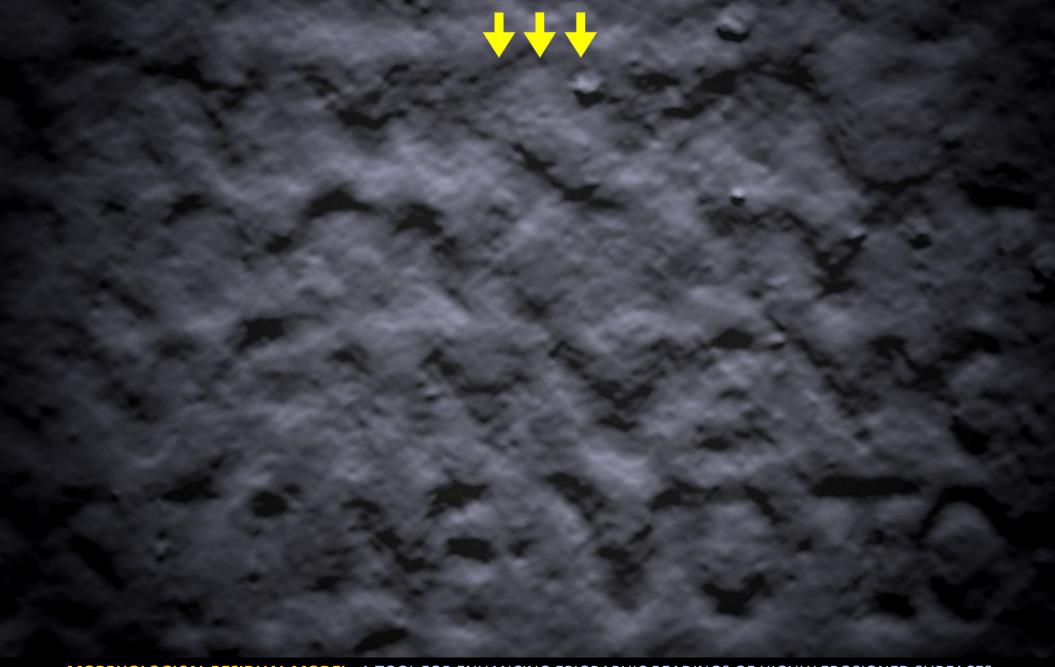


3D Scan
Results and drawbacks

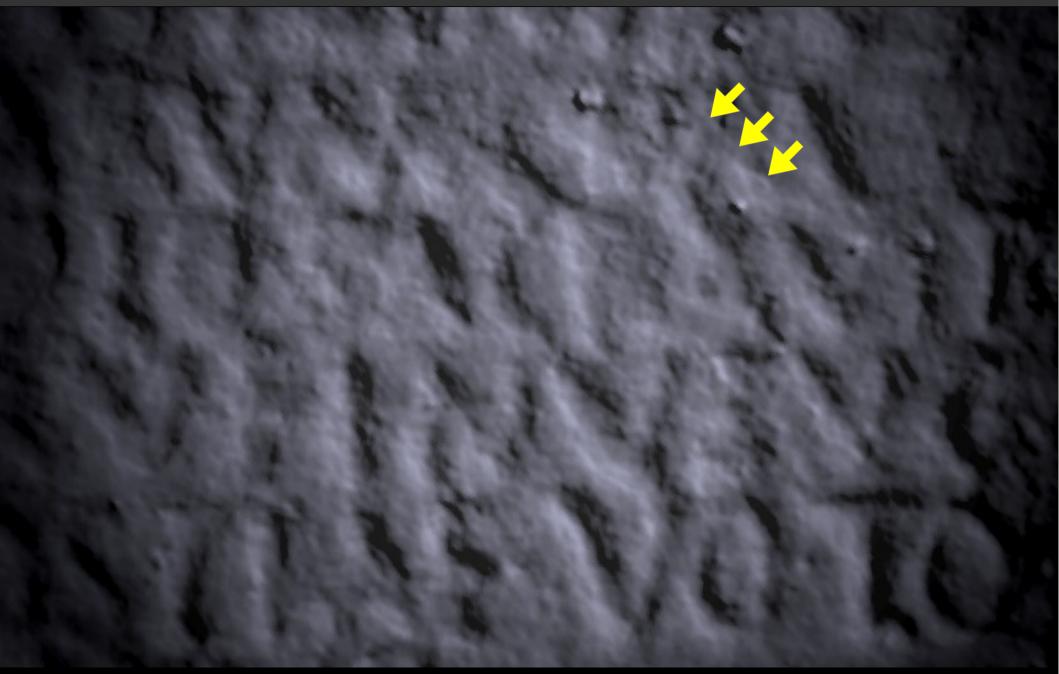


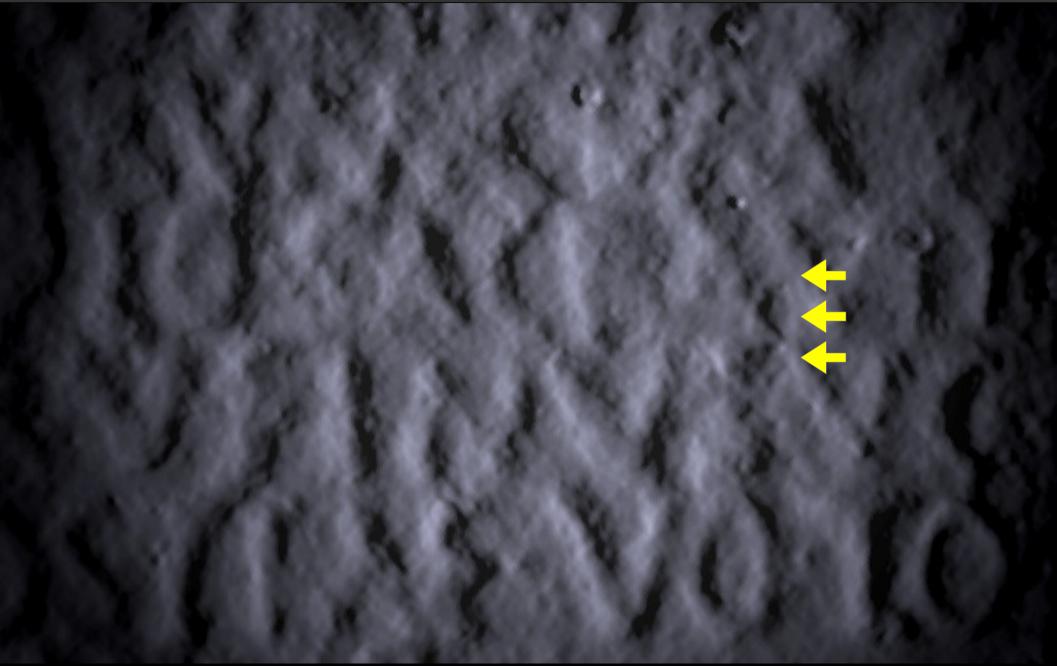
3D Scan
Results and drawbacks



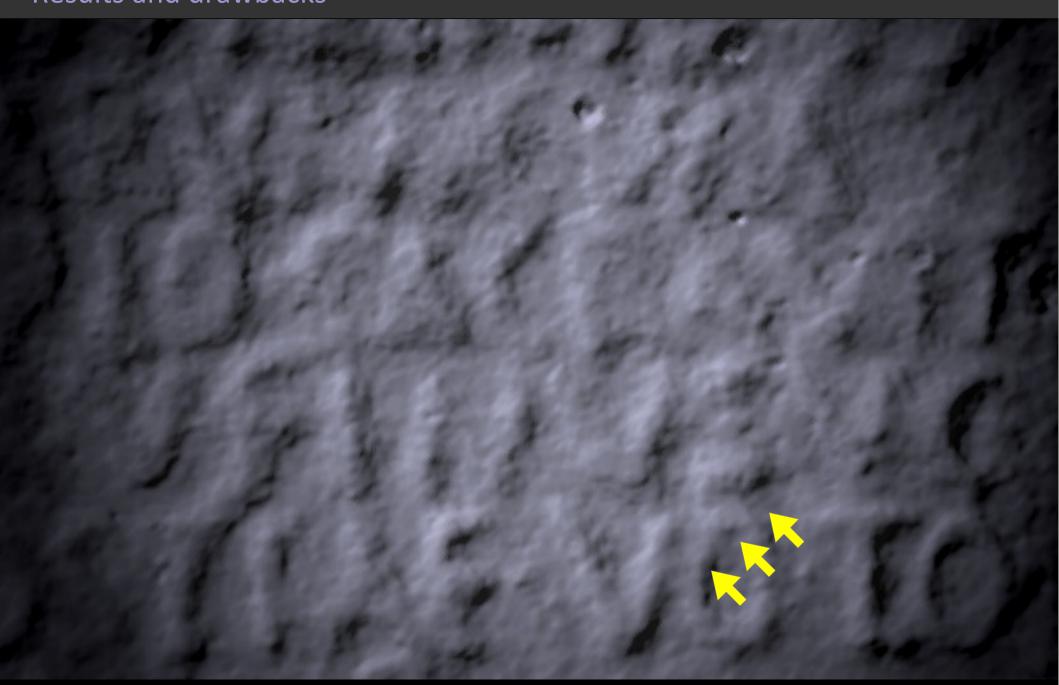


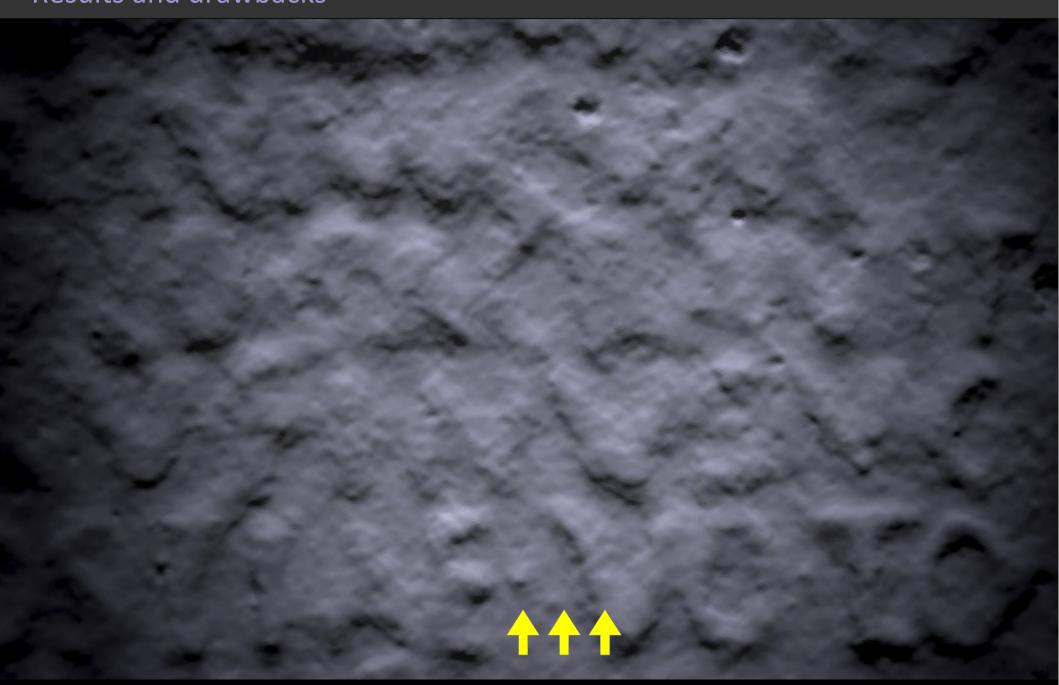
3D Scan
Results and drawbacks

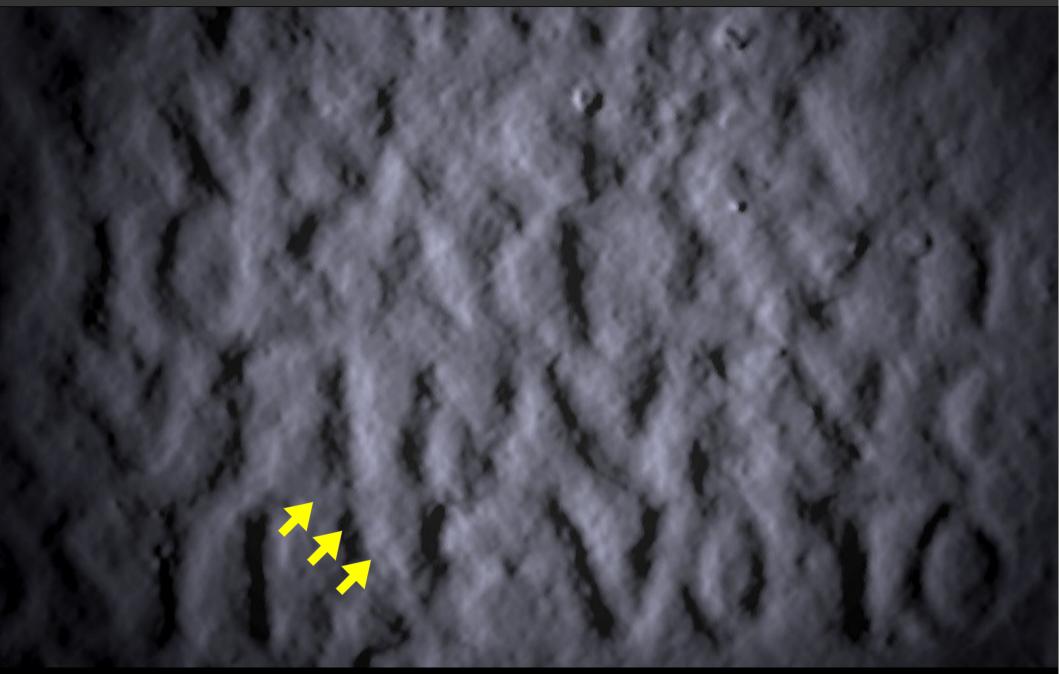




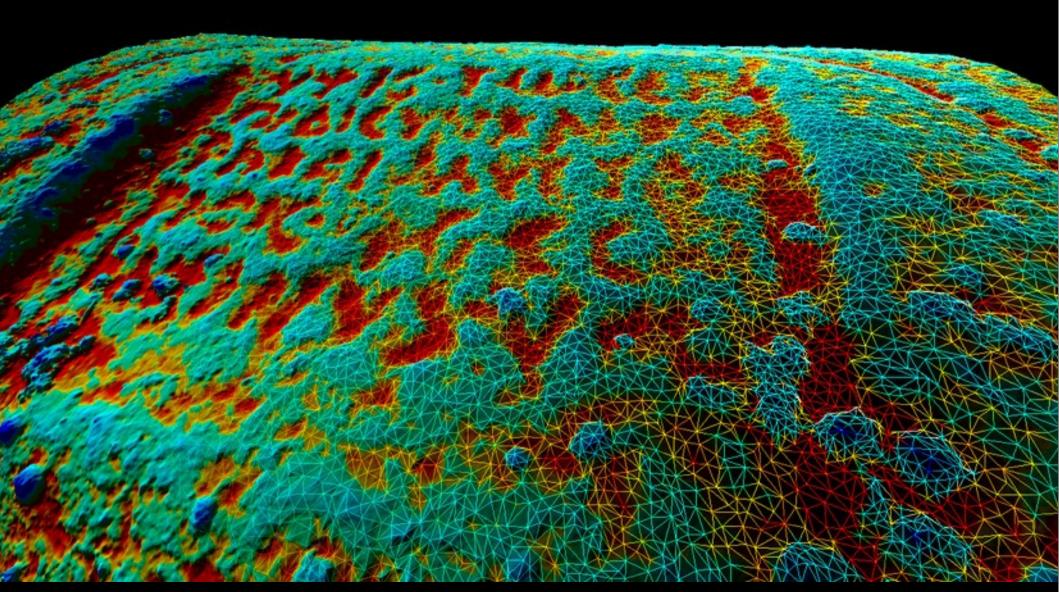
3D Scan
Results and drawbacks



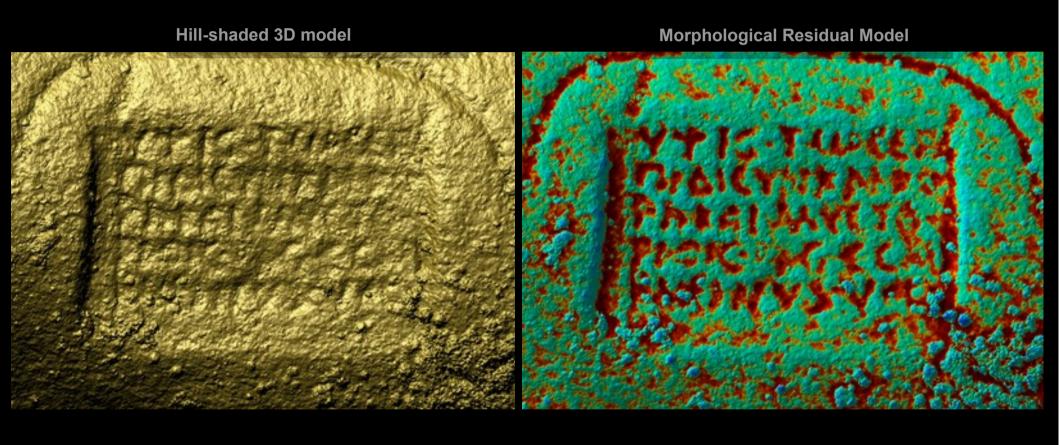




The MRM approach to the detection of engravings



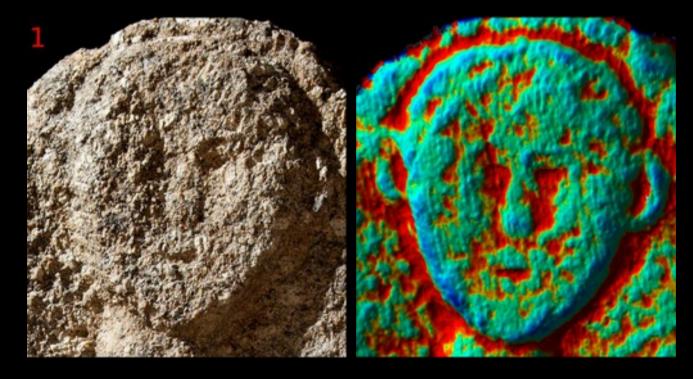
The MRM approach to the detection of engravings



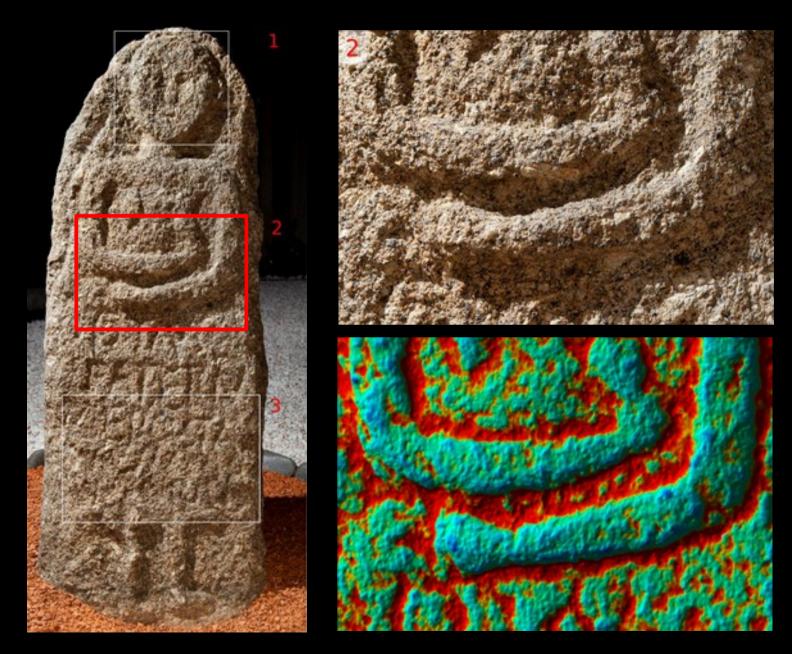
The MRM approach to the detection of engravings



Lighting does not affect visual perception of the carvings.



The MRM approach to the detection of engravings



Irregular surfaces are contrasted regardless of factors like shape or light orientation.

The MRM approach to the detection of engravings



Heterogeneous surface colour doesn't affect carvings visualization.