

# Onsite, non-invasive and non-destructive Technical Examination Services for Wall paintings



Technical Photography  
Wall paintings

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## Consolidants and binders



Photo



Ultraviolet  
Fluorescence  
(UVF)

*“Practical notes on ultraviolet technical photography for art examination”*



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Ultraviolet Fluorescence photography (UVF) documents inpaints and organic materials, consolidants and binders.

Technical Photography  
Wall paintings

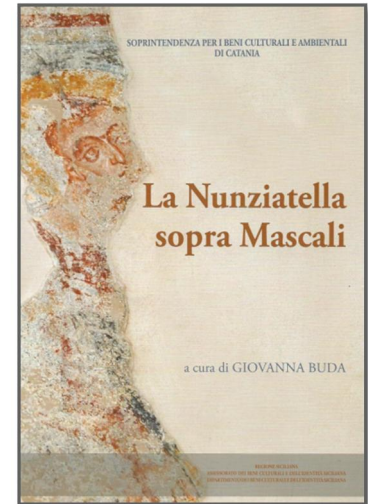
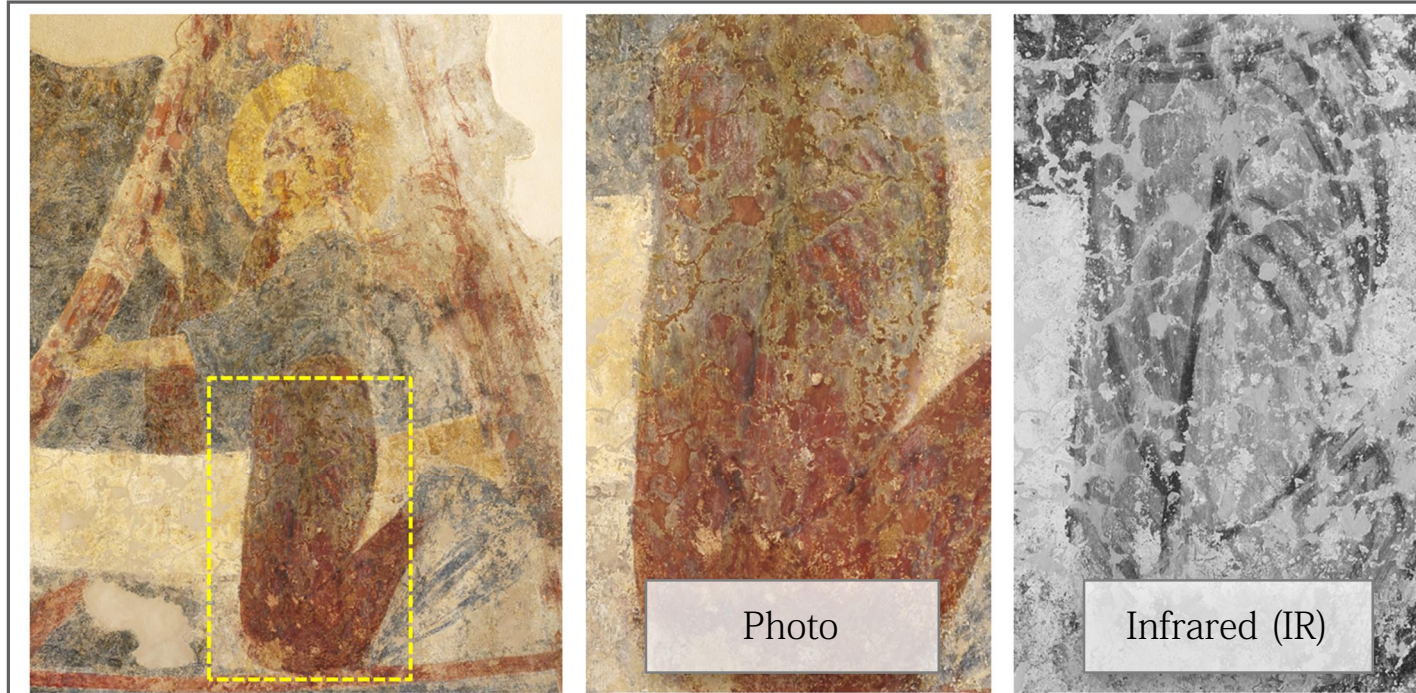
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# Underdrawing

*“Indagine diagnostica  
multispettrale sugli affreschi”*



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Infrared photography (IR) makes visible underdrawing and changes (*pentimenti*)

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# Inpaints with modern pigments



## *“Infrared Technical Photography for Art Examination”*



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Infrared False Color photography (IRFC) locates inpaints with modern pigments

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Wall paintings

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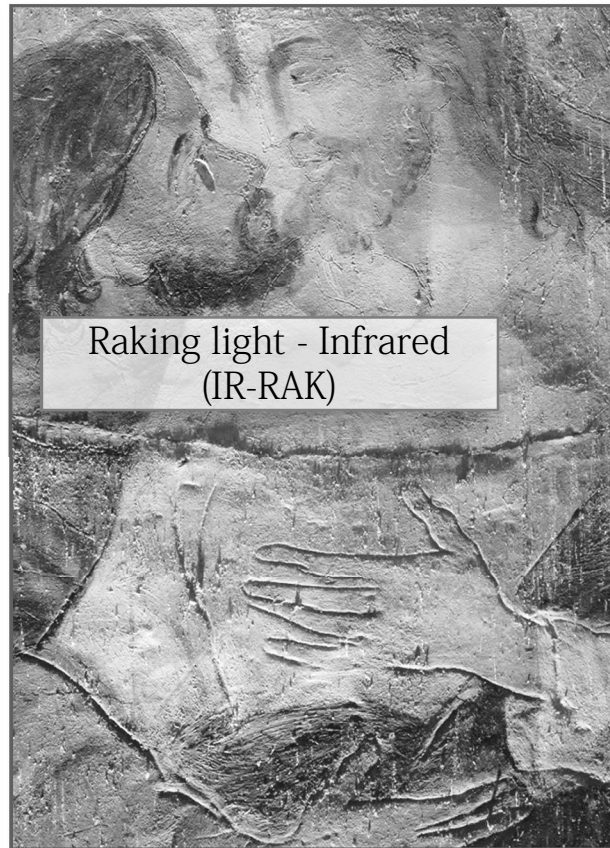




*“Technical Photography for mural paintings: the newly discovered frescoes in Aci Sant’Antonio (Sicily, Italy)”*



Raking light  
(RAK)



Raking light - Infrared  
(IR-RAK)



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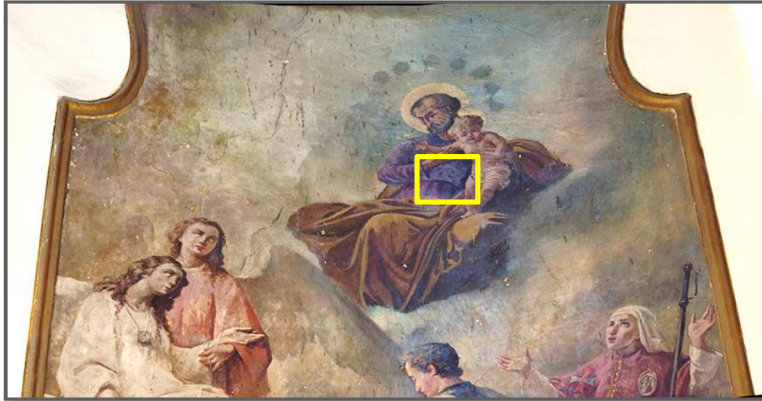
Raking Light photography (RAK) documents incisions which are indicative of the painting techniques.

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Wall paintings

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## Revealing invisible details

*“Panoramic Multispectral Imaging: Training and Case studies”*



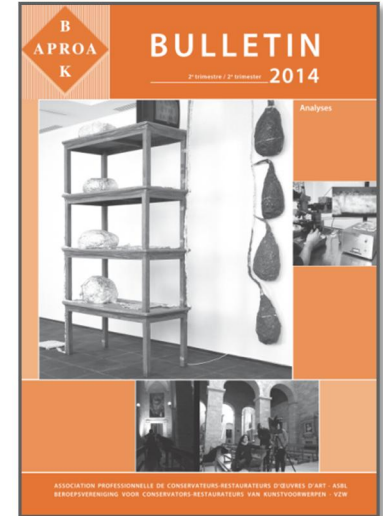
Infrared photography (IR) reveals lost details in wall paintings



Photo



Infrared (IR)



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## WALL PAINTINGS BY RAKING LIGHT

The 18th century wall paintings in the Crucifix chapel were revealed during maintenance works carried out in 2012 in the Mother Church in Aci Sant'Antonio (Sicily). *Cultural Heritage Science Open Source* Studio and International partners examined the paintings in 2014 with raking light and other imaging and spectroscopic techniques. Download "Technical Photography for mural paintings: the newly discovered frescoes in Aci Sant'Antonio (Sicily, Italy)".

For more information visit [chsopensource.org](http://chsopensource.org)

Start Exploring

*Introductory guide: Wall paintings Examination by Raking light*

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# Any questions?

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