

A.1 Supplementary figures and OCT tomograms

Munch and optical coherence tomography. Unravelling historical and artist applied varnish layers in painting collections.

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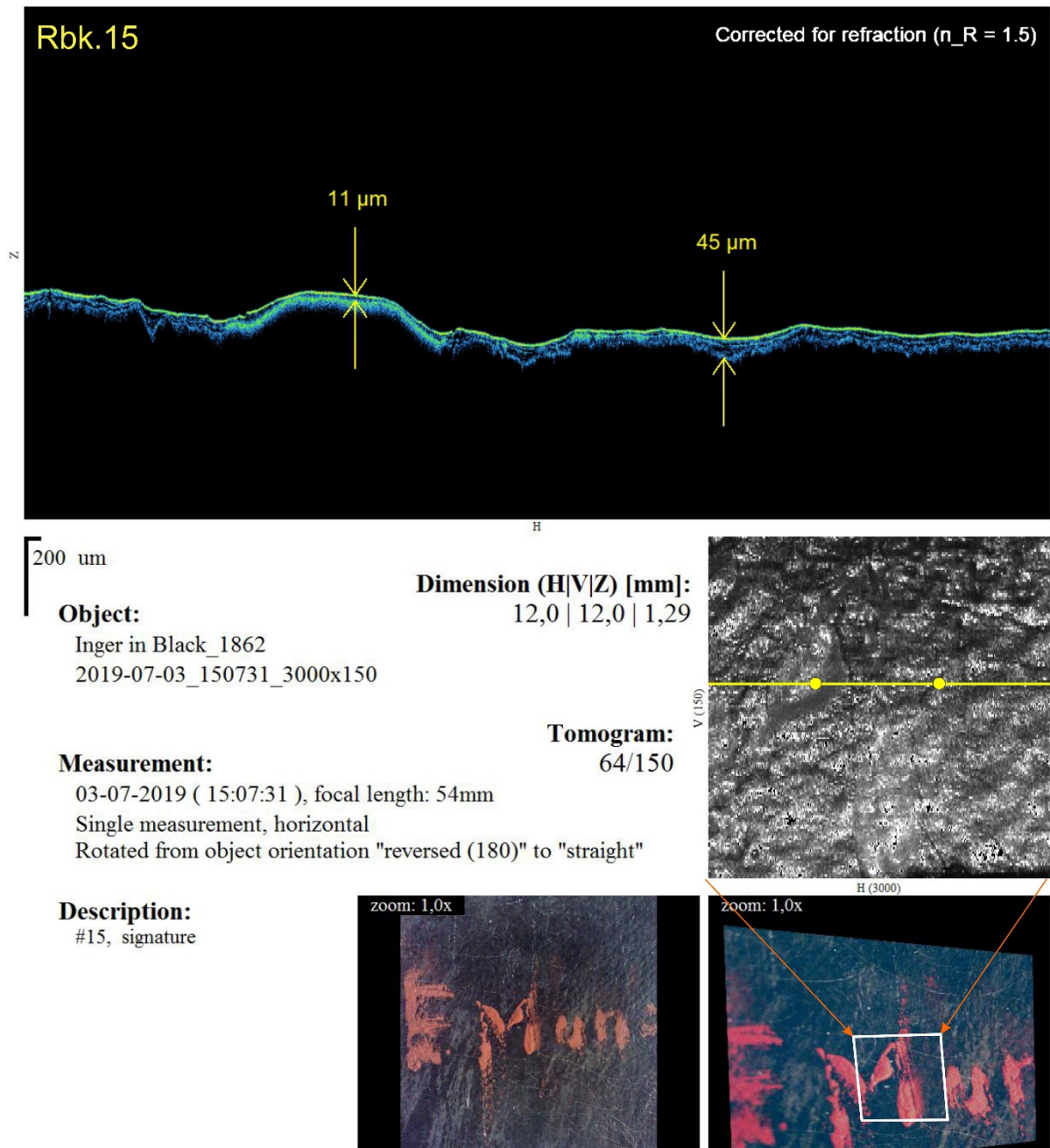


Fig. 1 *Inger Munch in Black* (Woll M 113), OCT tomogram and IR reflectogram from examination spot RBk.15 (red signature under 2 varnish layers)

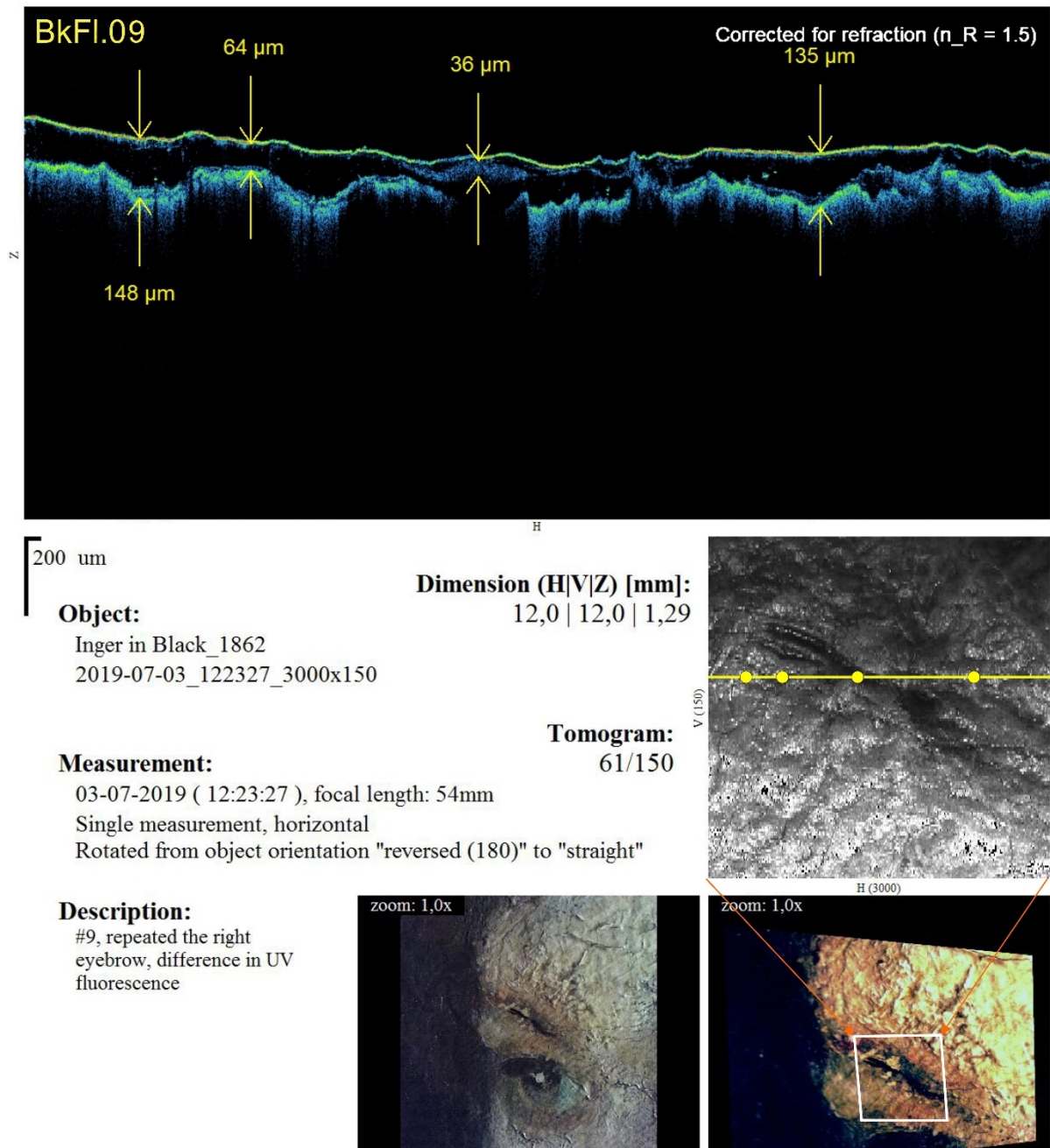


Fig. 2 *Inger Munch in Black* (Woll M 113), OCT tomogram and IR reflectogram from examination spot BkFl.09 (right eyebrow, semi-transparent black paint, artist's alteration)

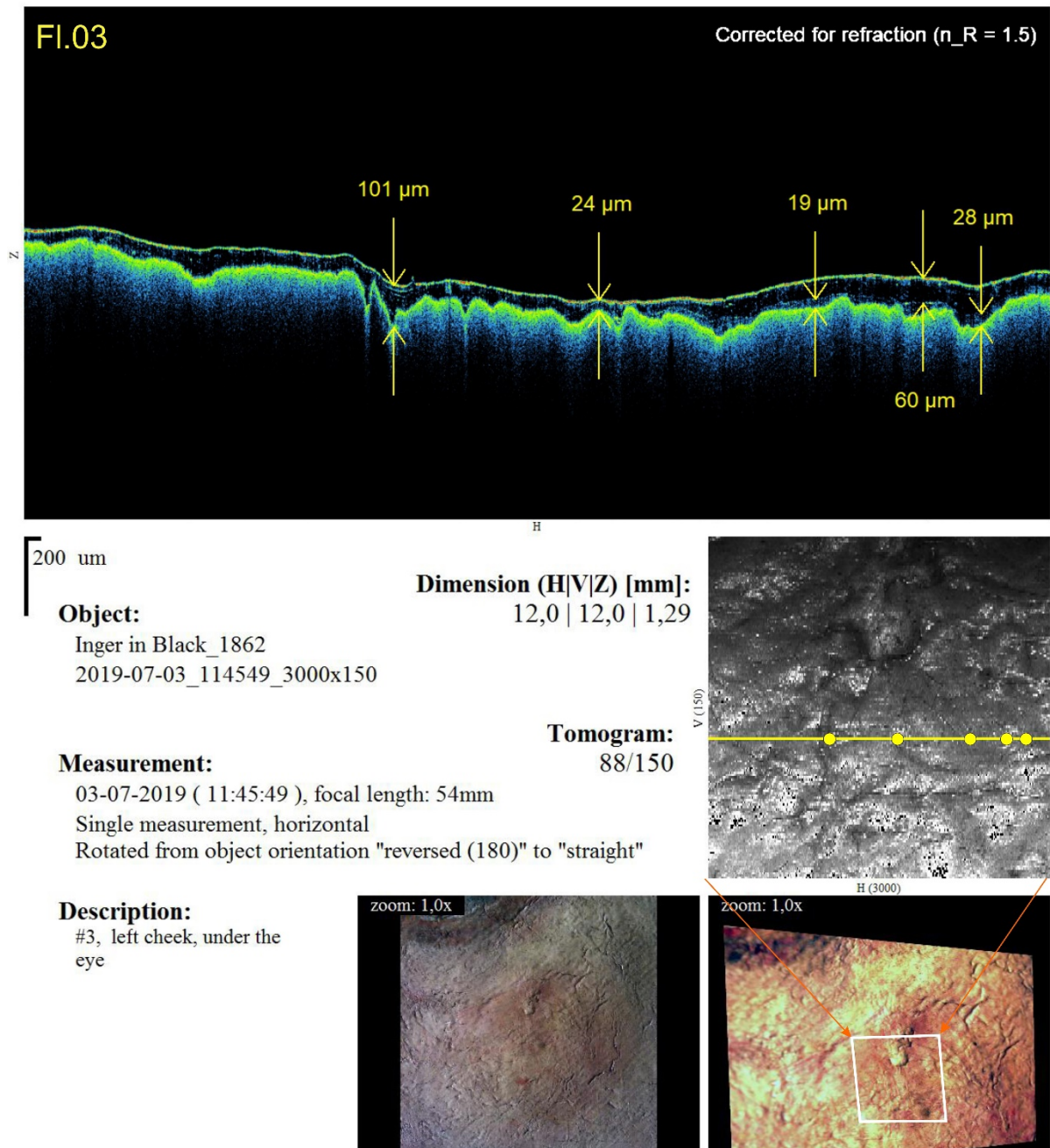


Fig. 3 *Inger Munch in Black* (Woll M 113), OCT tomogram and IR reflectogram from examination spot Fl.03 (left cheek with 4 varnish layers)

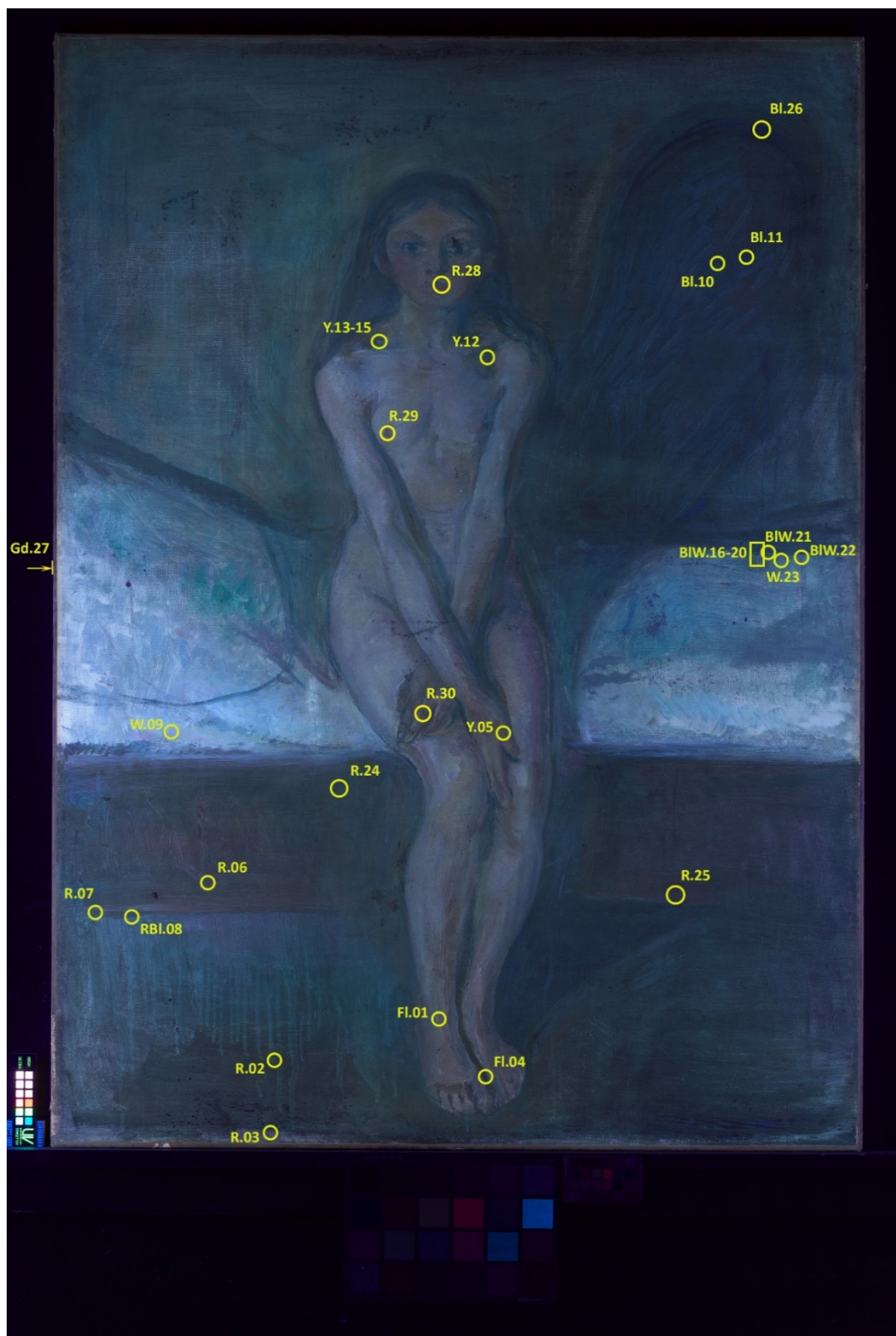


Fig. 4 *Puberty* (Woll M 347), UVA-induced fluorescence photography with location of OCT & pXRF examination spots

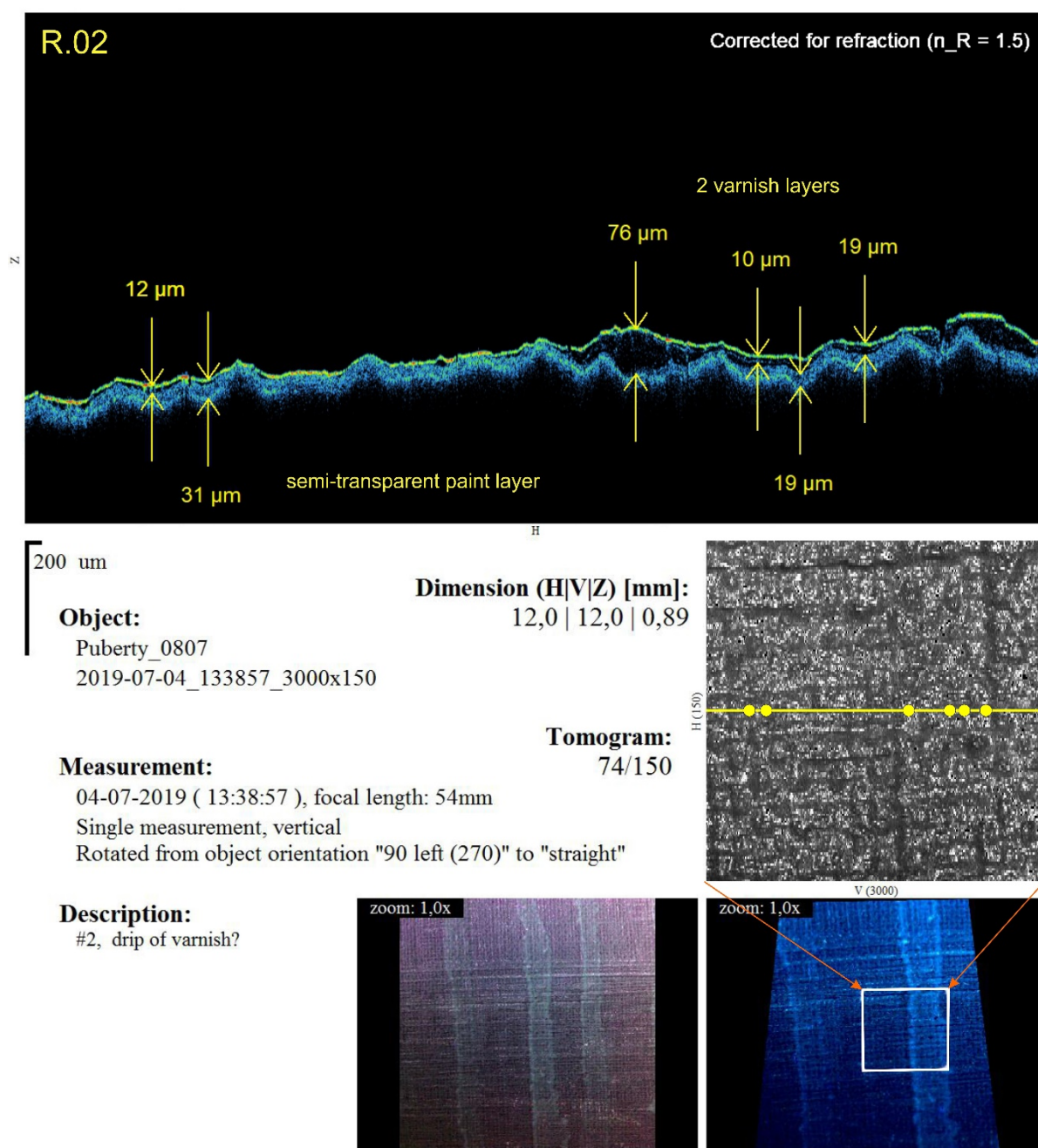


Fig. 5 *Puberty* (Woll M 347), OCT tomogram and IR reflectogram from examination spot R.02 (second transparent layer identified in drips in the red foreground)

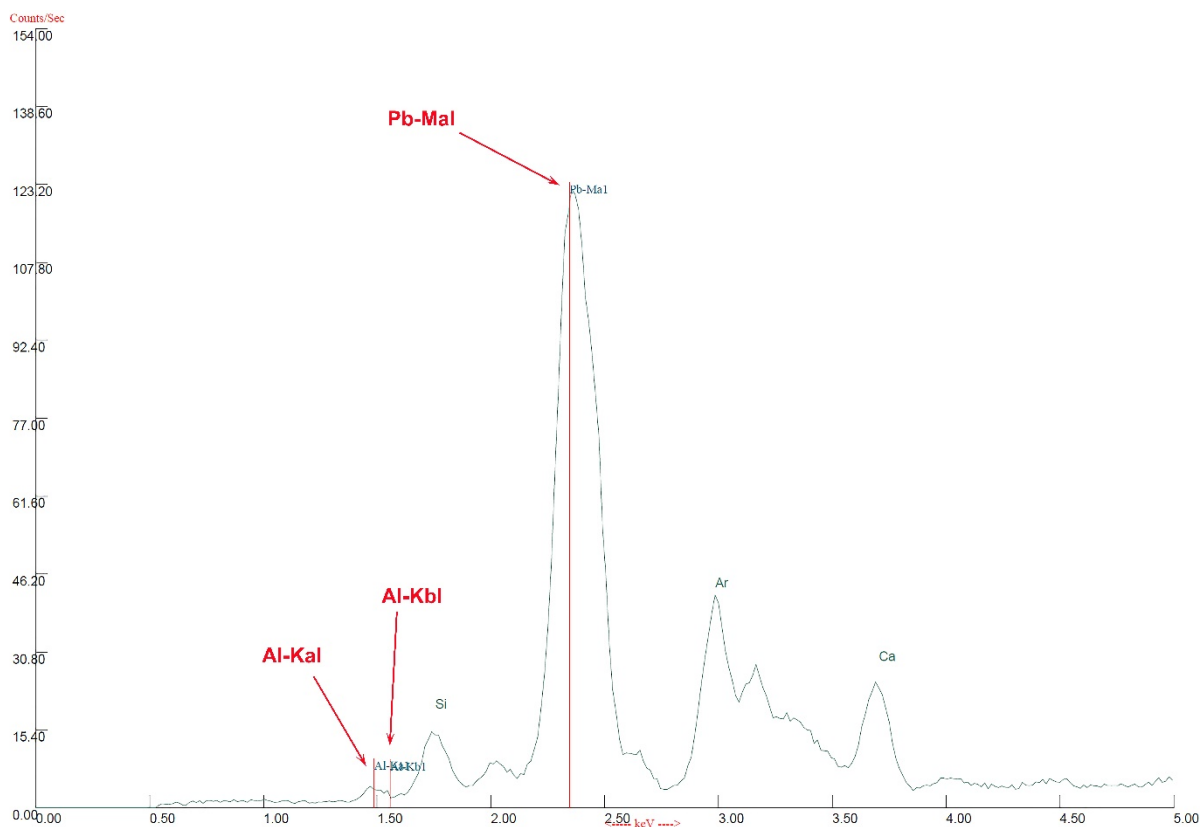


Fig. 6 *Puberty* (Woll M 347), XRF full spectra, spot R.06. The paint layer is thinly applied in this passage and the dominant peaks for Pb are from the commercially prepared lead white ground

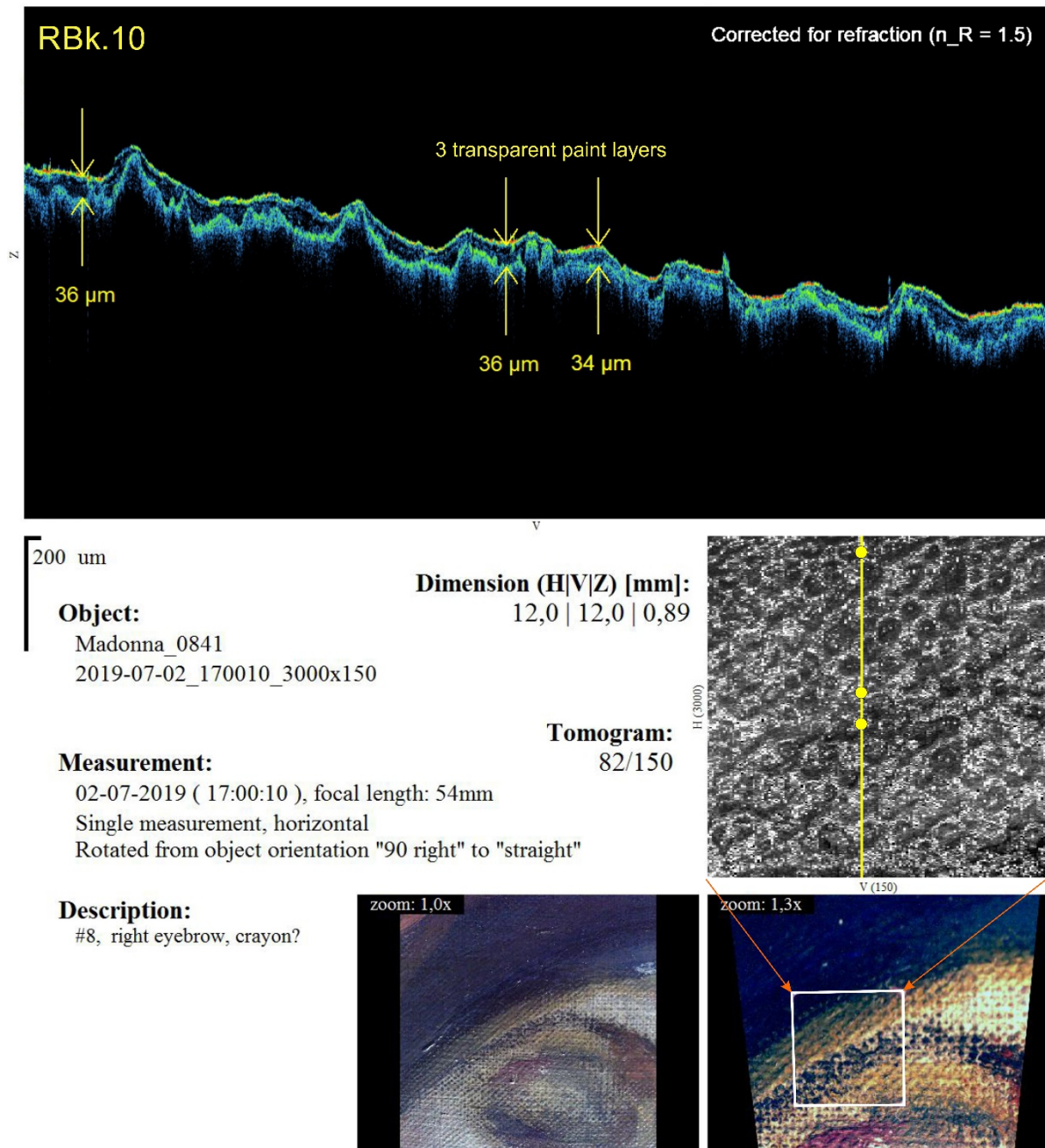


Fig. 7 *Madonna* (Woll M 366), OCT tomogram and IR reflectogram from examination spot RBk10 (lower transparent layer located beneath upper two restoration varnishes and on top of the dark contours)



Fig. 8 *The Dance of Life* (Woll M 464), UVA-induced fluorescence photography with location of OCT examination spots

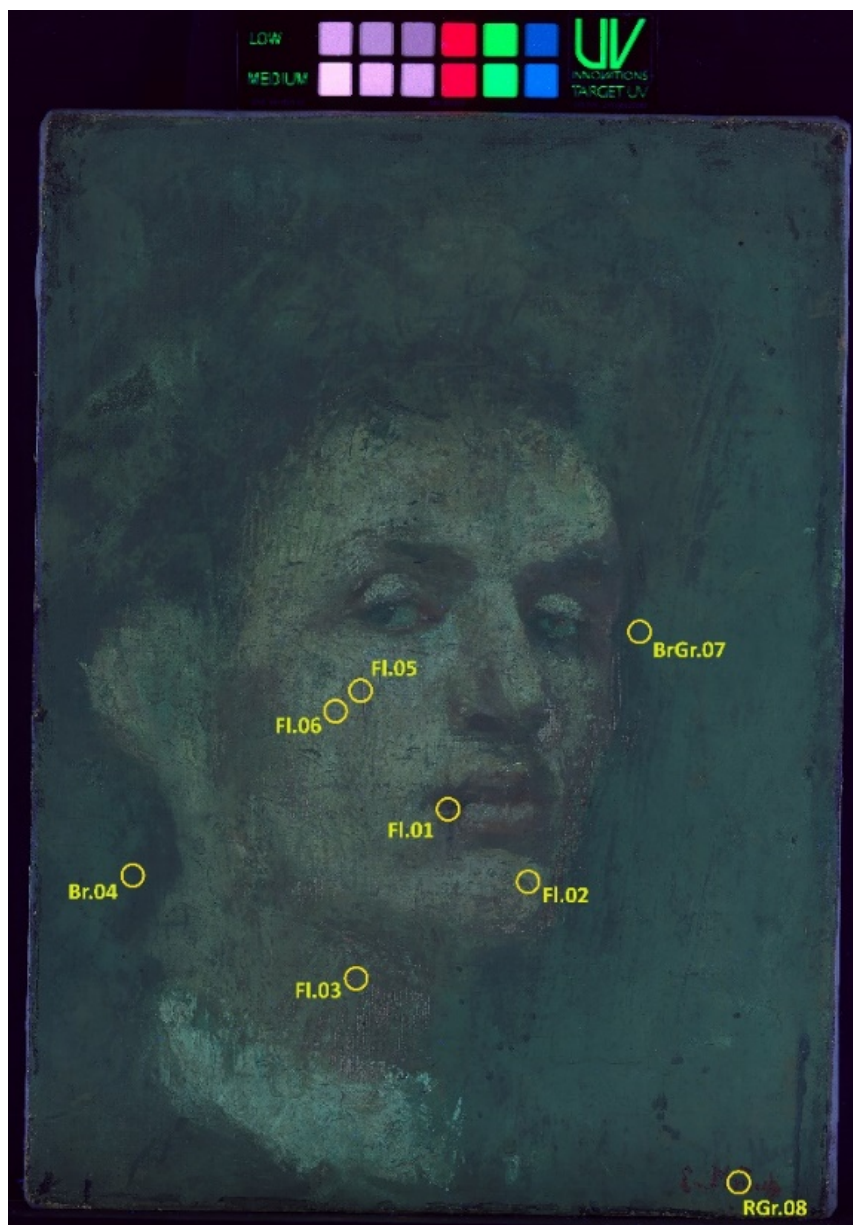


Fig. 9 *Self-portrait* (Woll M 133), UVA-induced fluorescence photography with location of OCT examination spots

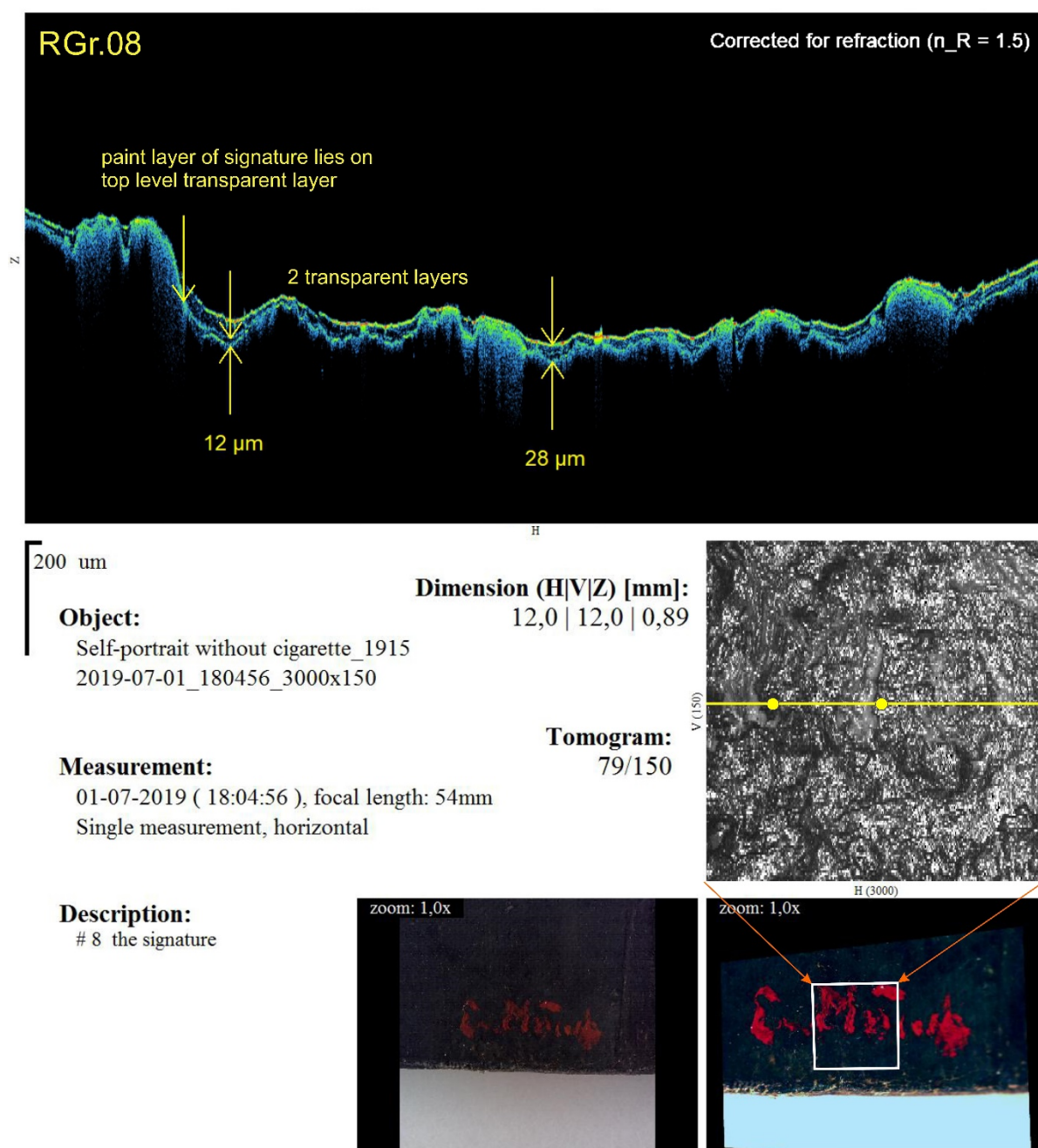


Fig. 10 *Self-portrait* (Woll M 133), OCT tomogram and IR reflectogram from examination spot RGr.08 (red signature lies between two transparent varnish layers)

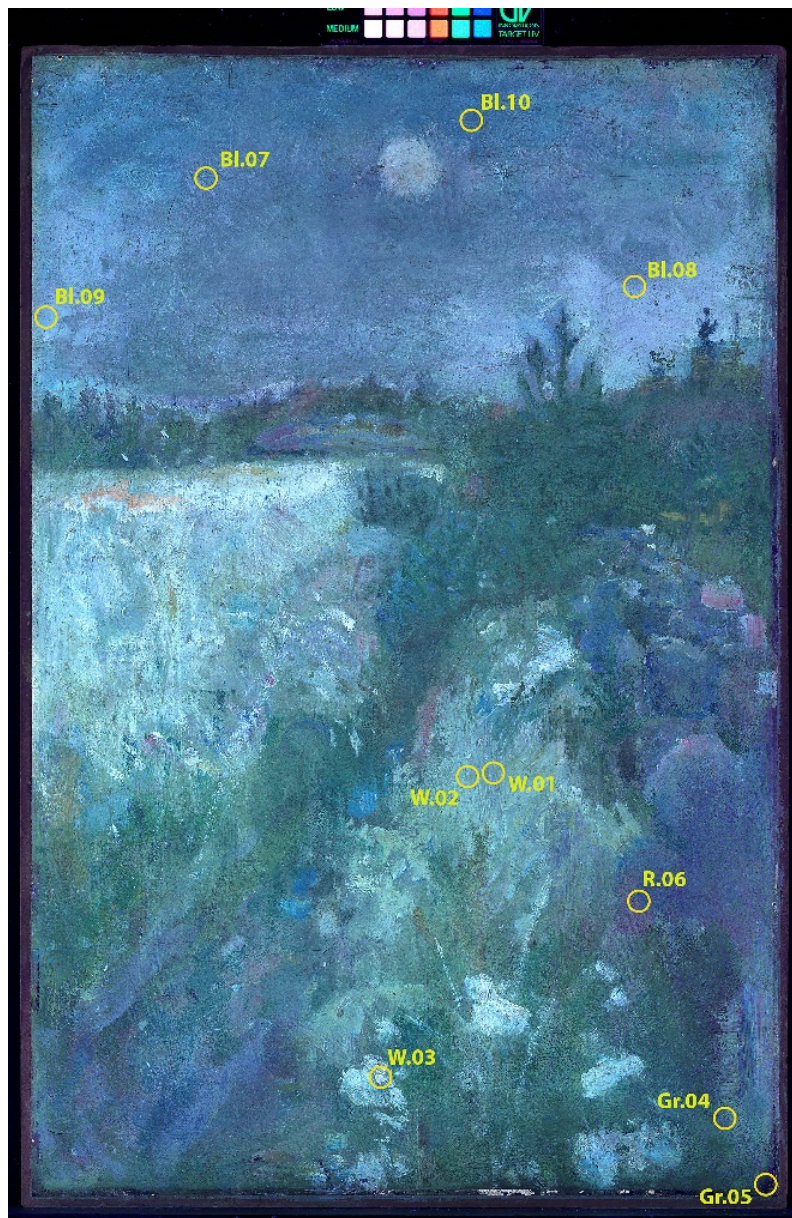


Fig. 11 *Flowery meadow at Veierland (Woll M 148)*, UVA-induced fluorescence photography with location of OCT examination spots

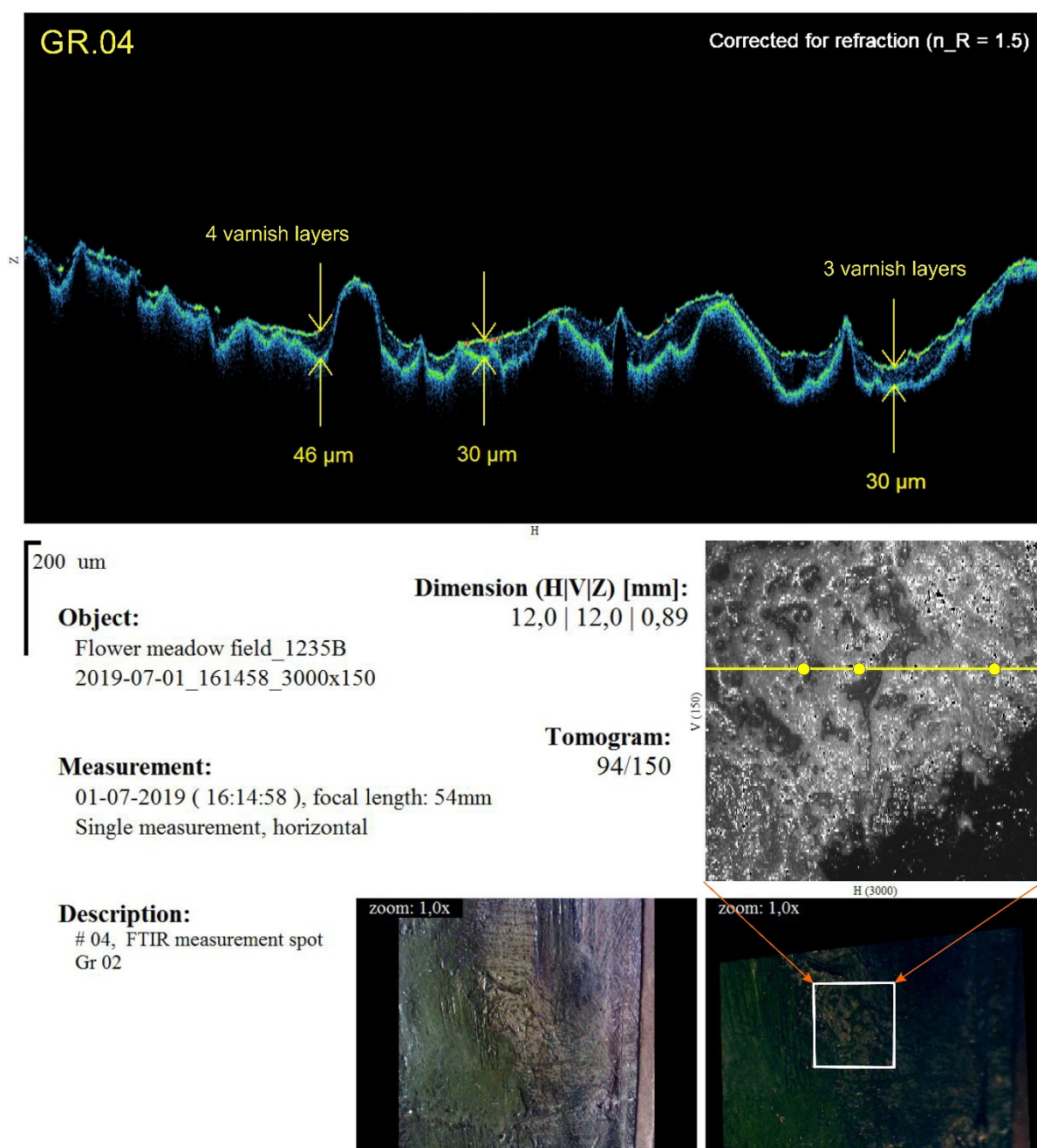


Fig. 12 *Flowery meadow at Veierland* (Woll M 148), OCT tomogram and IR reflectogram from examination spot Gr.04 (Four layers of varnish in the foreground)



Fig. 13 *The Day After* (Woll M 348), UVA-induced fluorescence photography with location of OCT examination spots

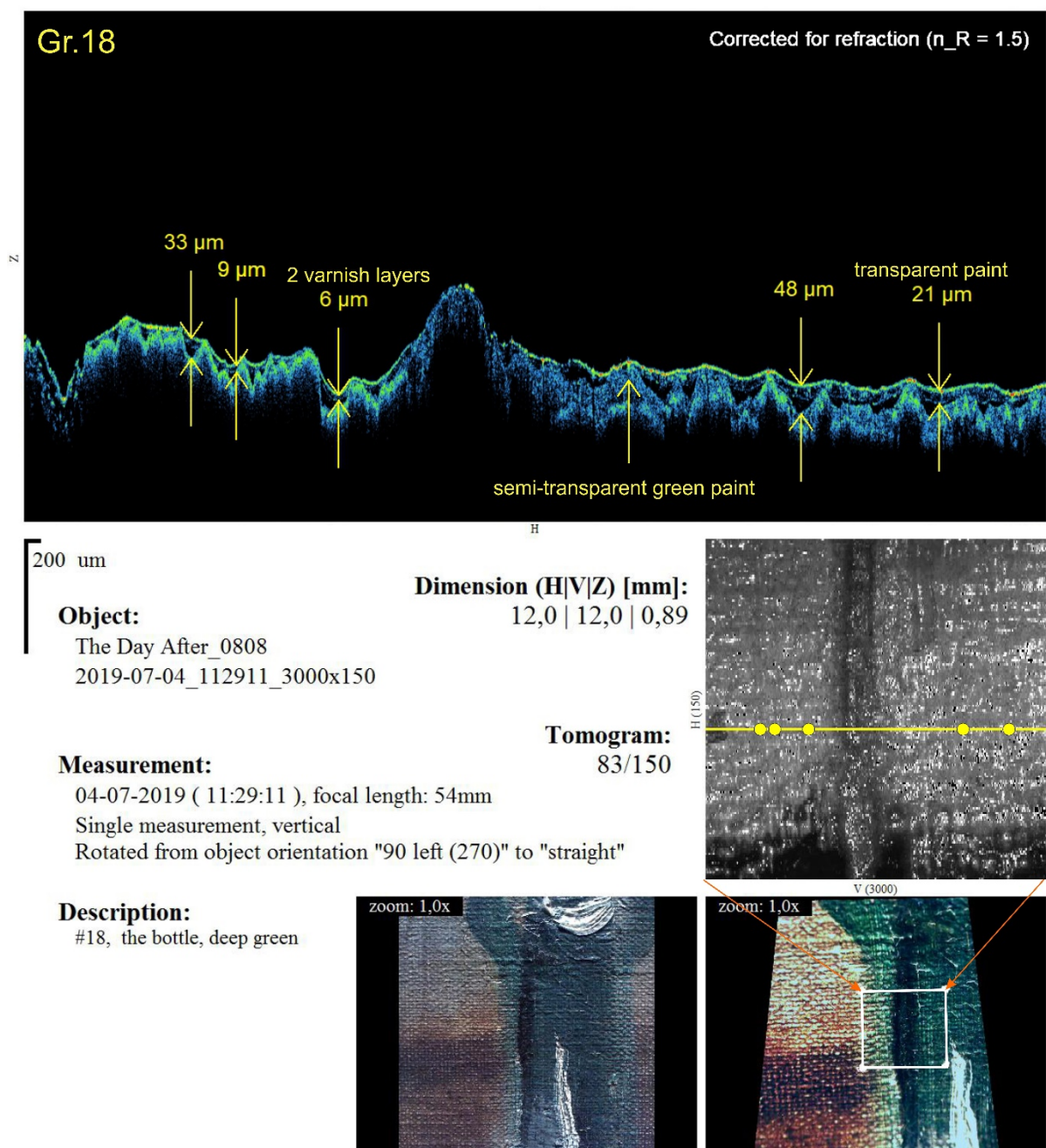


Fig. 14 *The Day After* (Woll M 348), OCT tomogram and IR reflectogram from examination spot Gr.18



Fig. 15 *Hans Jæger* (Woll M 174), UVA-induced fluorescence photography with location of OCT examination spots

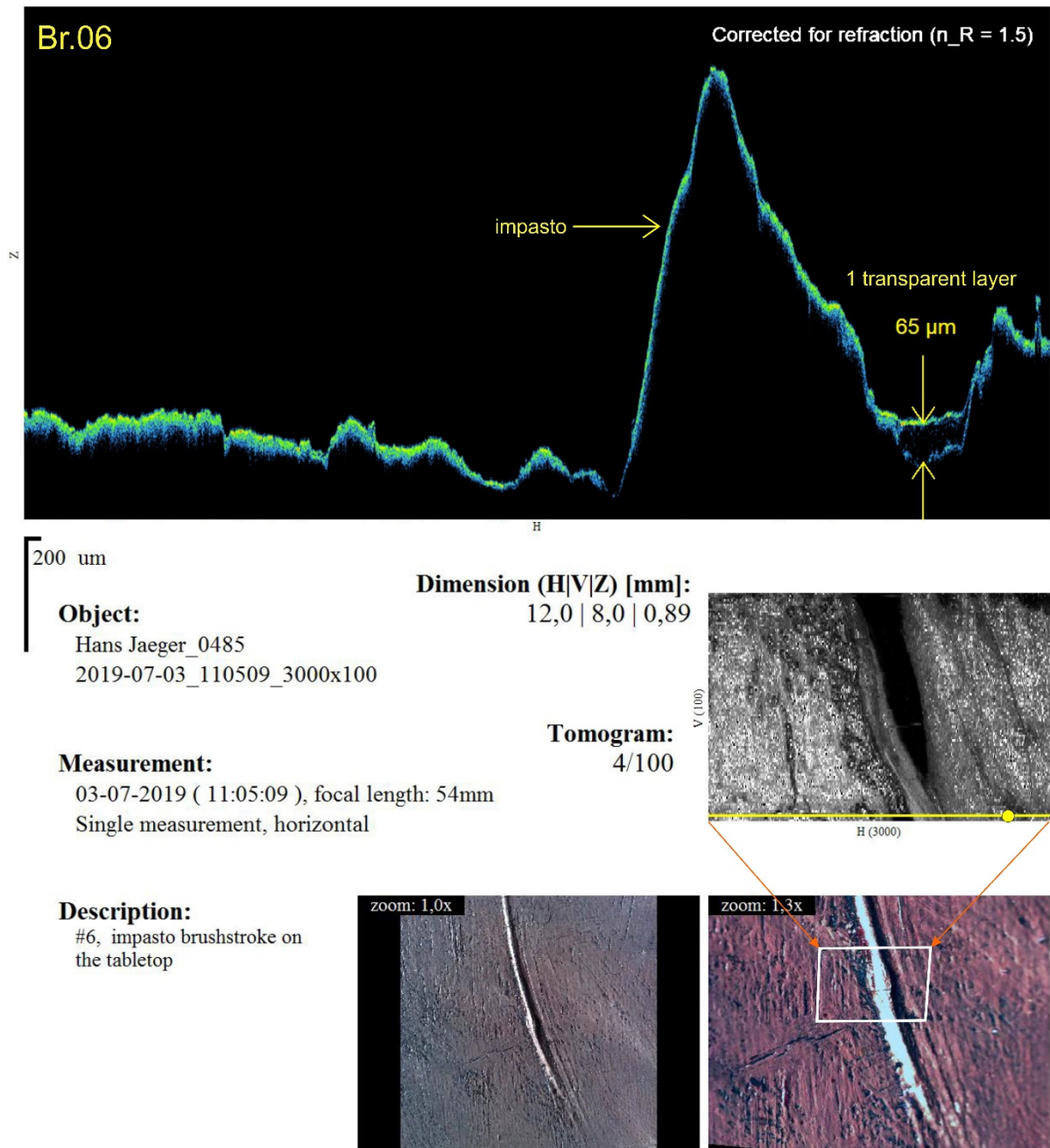


Fig. 16 *Hans Jæger* (Woll M 174), OCT tomogram and IR reflectogram from examination spot Br.06

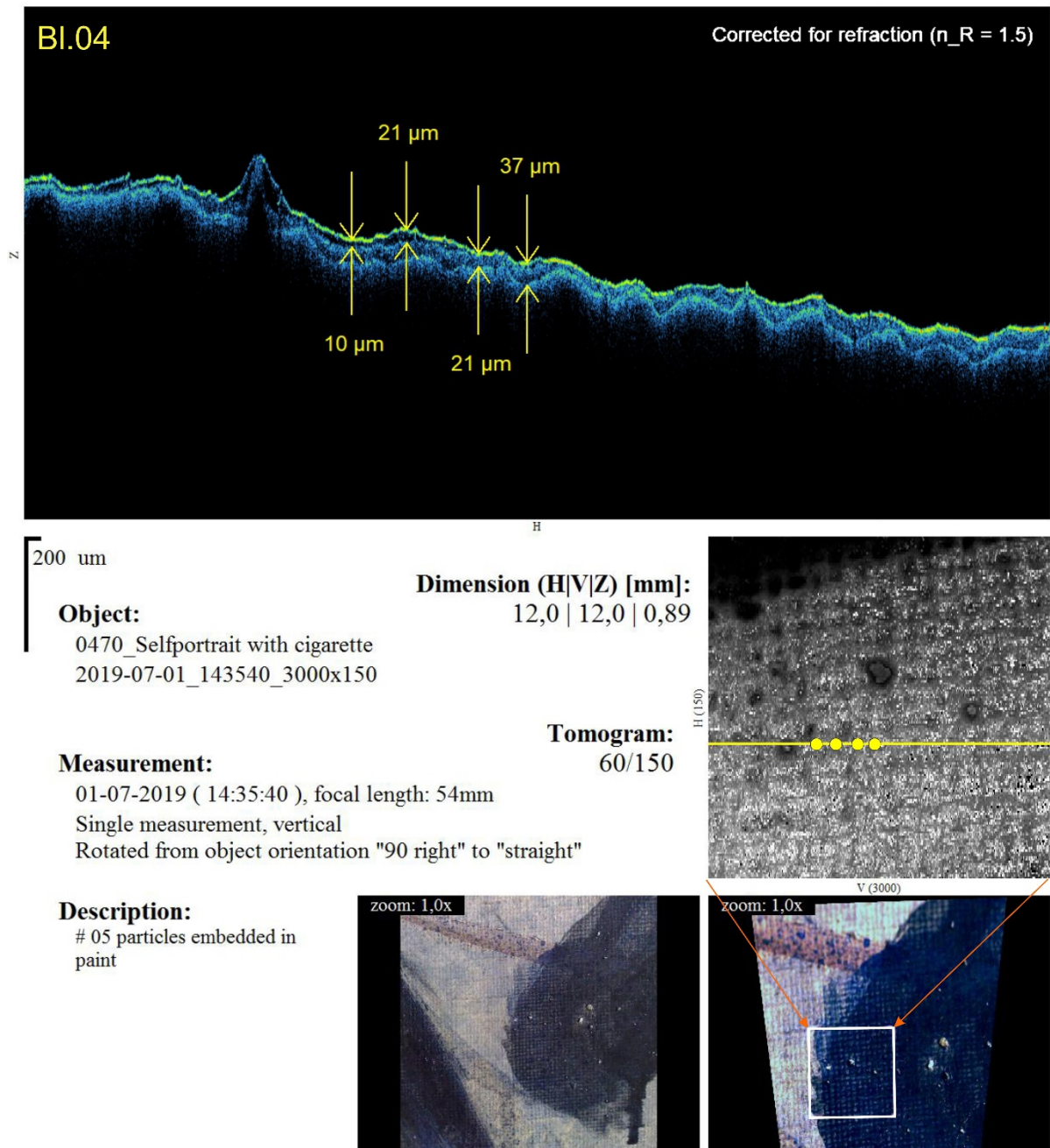


Fig. 17 *Self-portrait with cigarette* (Woll M 382) OCT tomogram and IR reflectogram from examination spot Bl.04 (evidence of semi-transparent paint layers/glazes)

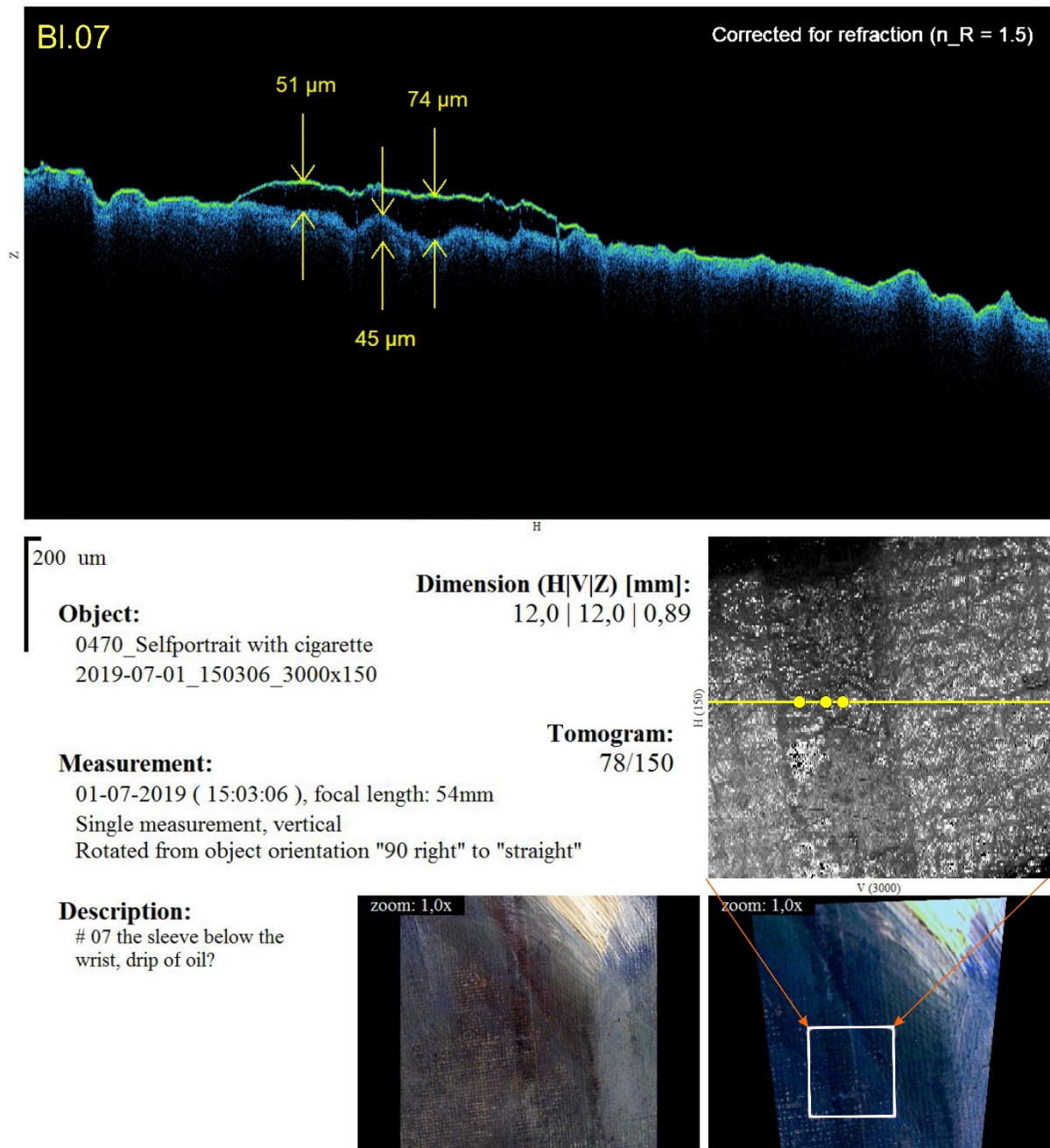


Fig. 18 *Self-portrait with cigarette* (Woll M 382) OCT tomogram and IR reflectogram from examination spot Bl.07 (residues of excess oil)

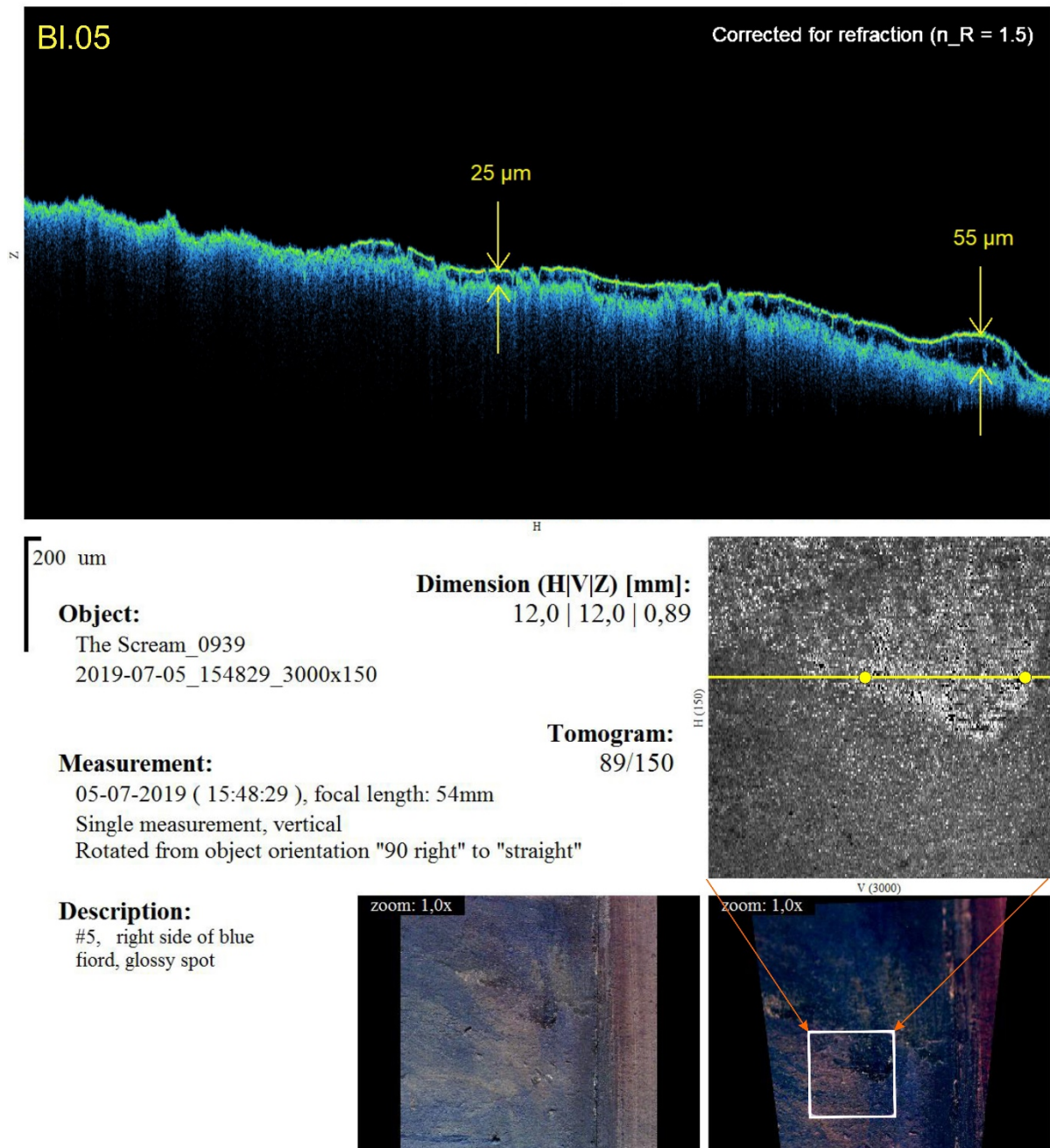


Fig. 19 *The Scream* (Woll M 333) OCT tomogram and IR reflectogram from examination spot Bl.05 (evidence of locally applied transparent layer)

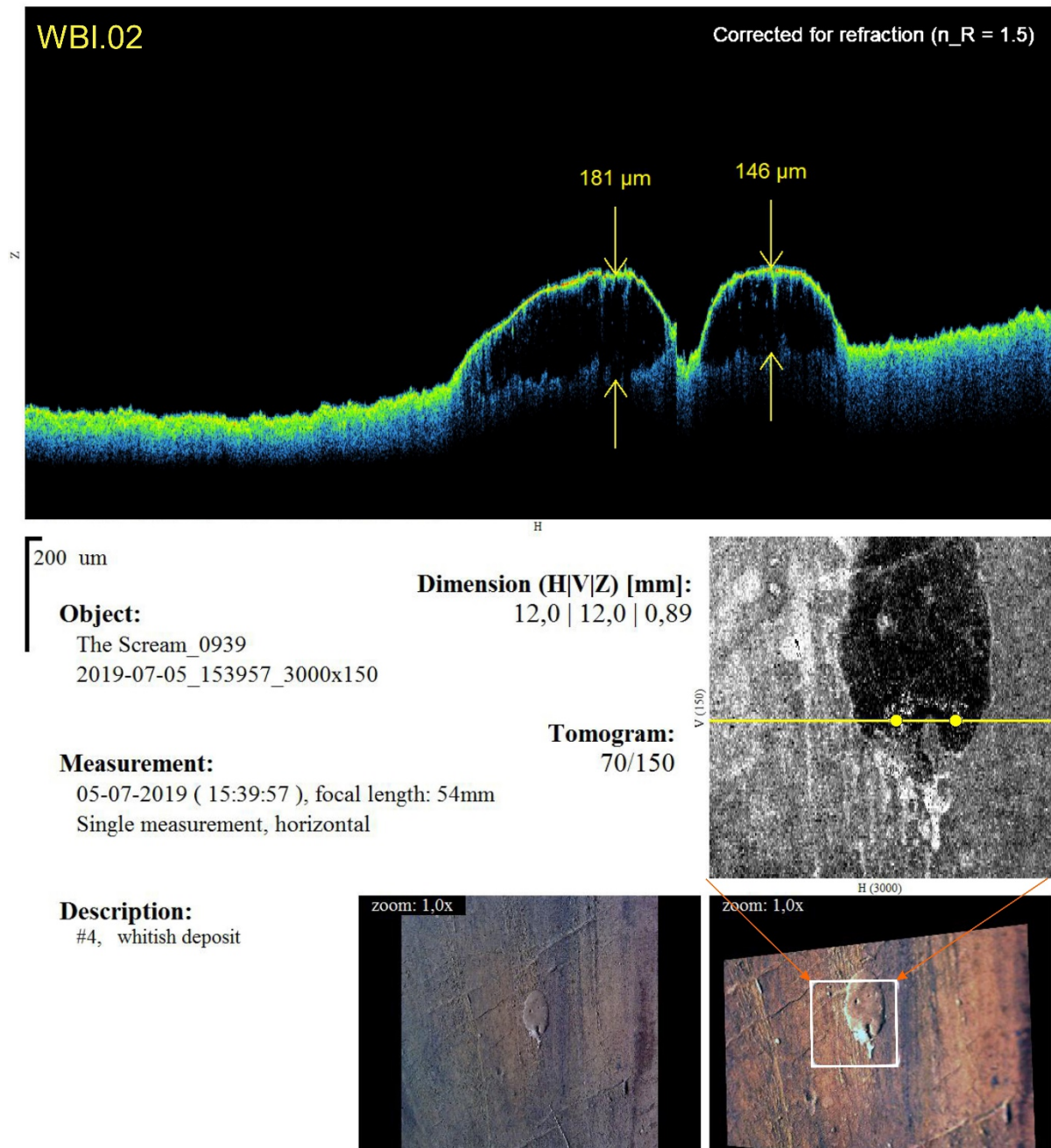


Fig. 20 *The Scream* (Woll M 333) OCT tomogram and IR reflectogram from examination spot WBI.02 (candlewax deposit),