Title: Supplementary Movie 1:

Description: Example of GST writing: Focused laser light (not visible due to filter) is used to write the metalens "Metalens 1".

Title: Supplementary Movie 2:

Description: Example of GST erasing: an area of GST is written and subsequently erased

Title: Supplementary Movie 3:

Description: Animated sequence of writing and rewriting arbitrary images: each frame contains an image which is written in the same position as the previous one after erasing it.