

Two-Beam Transmission Holography

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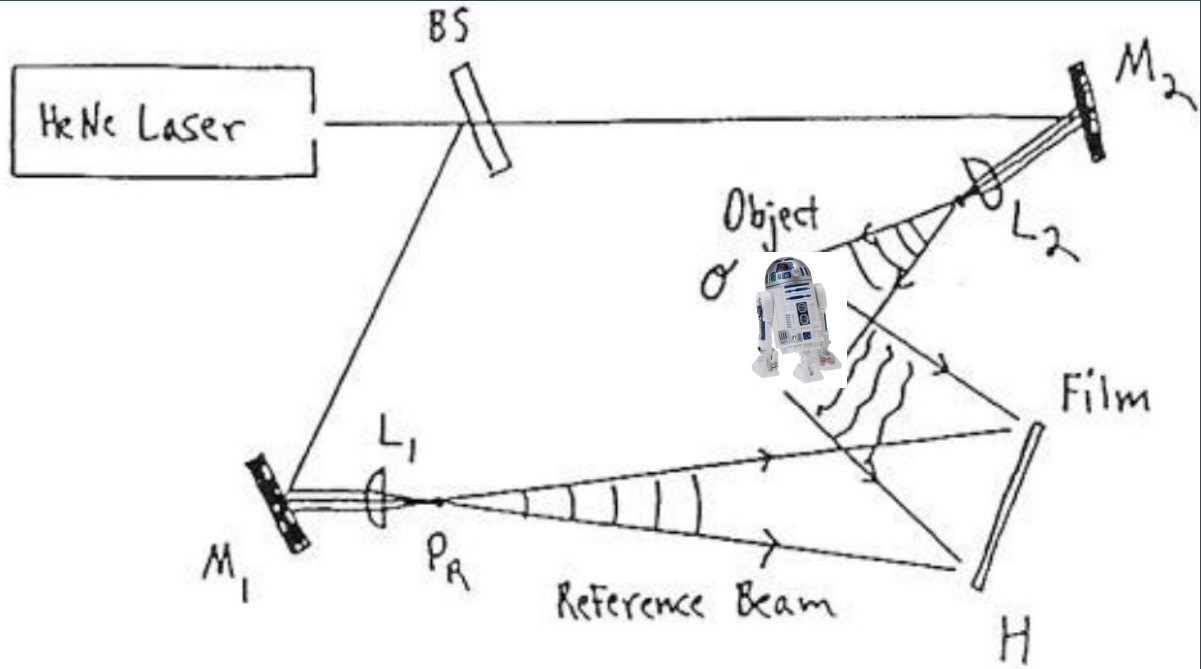
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Calculating the exposure time for the film

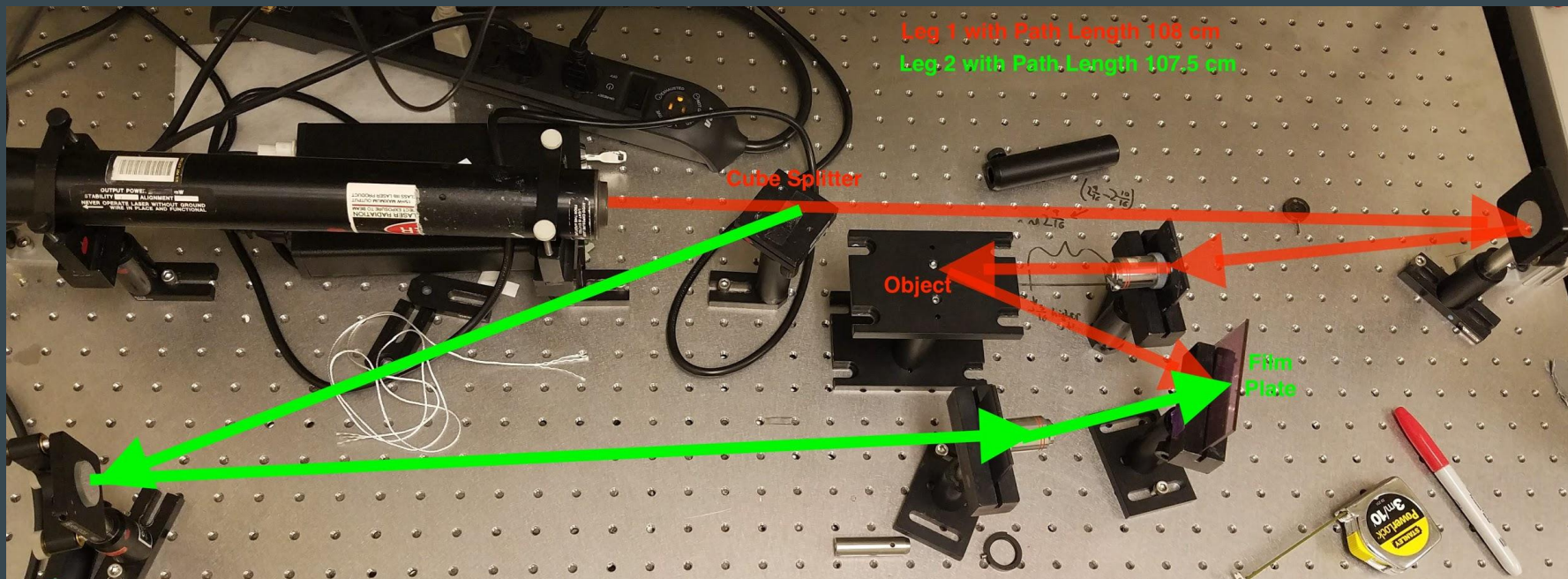
$$I \Delta t = \frac{P \Delta t}{A} = \text{exposure}$$

$$\Delta t = \frac{A \cdot \text{exposure}}{P}$$

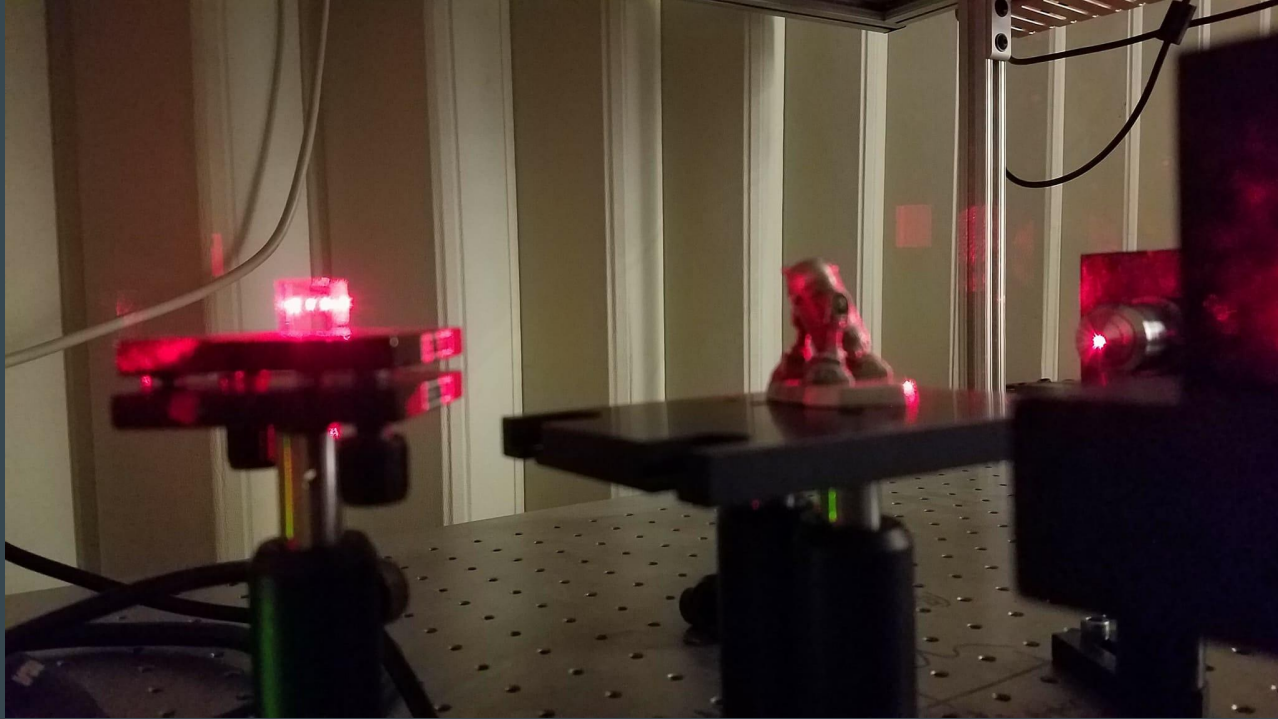
$$\Delta t = 6.5 \text{ minutes}$$



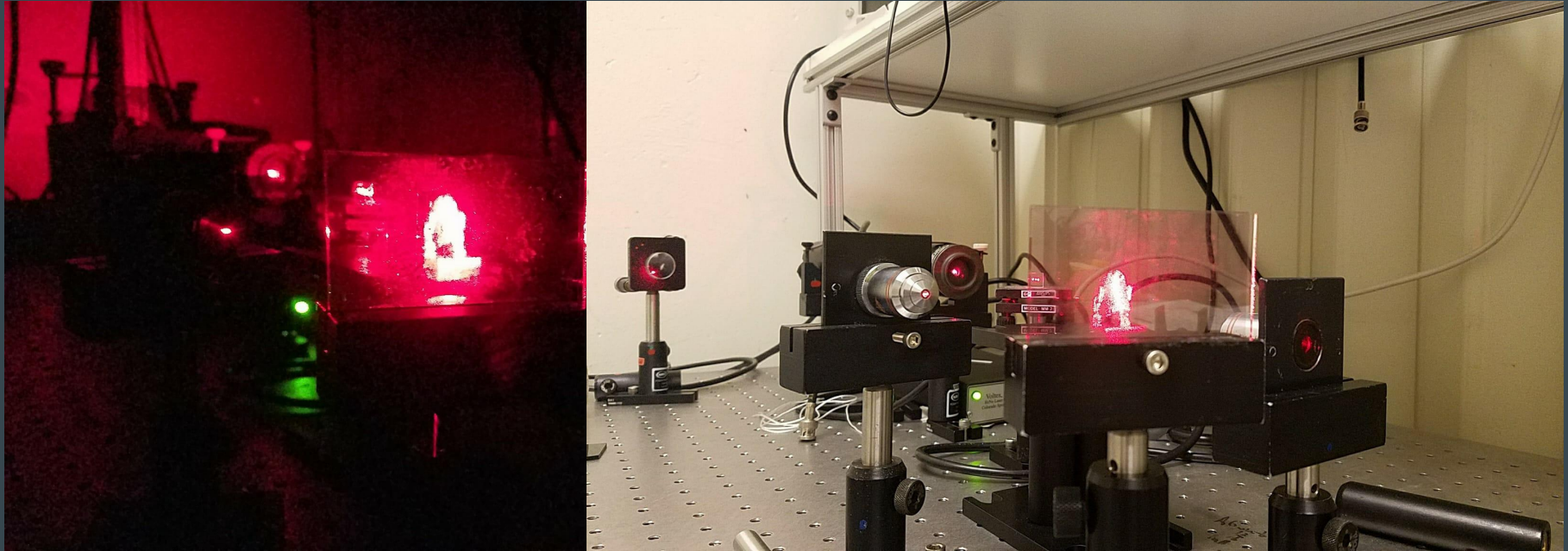
Experimental Setup



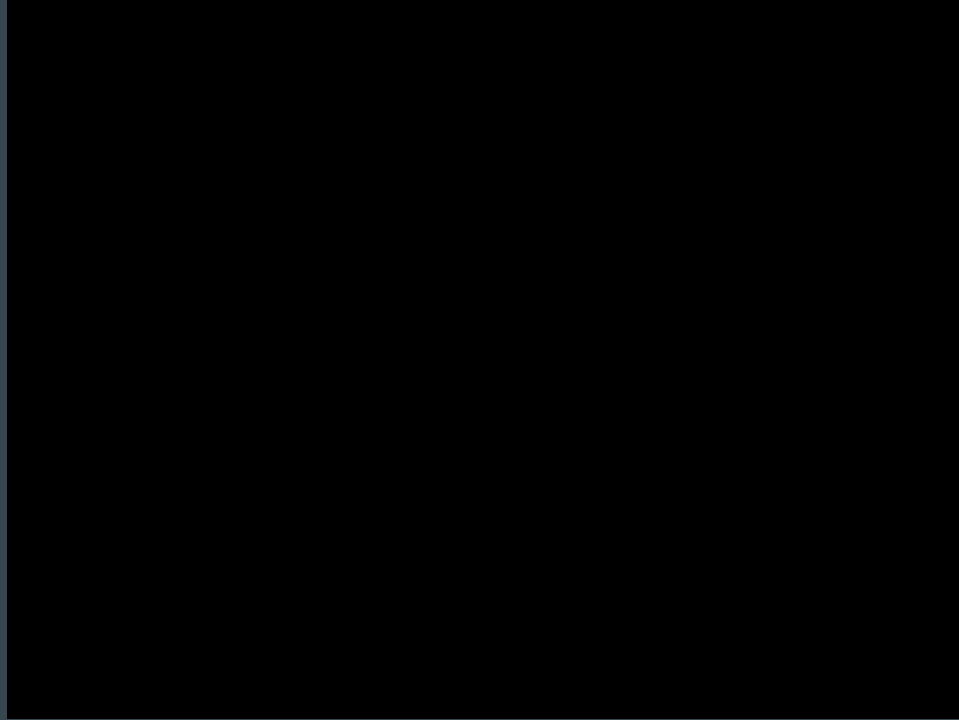
Re-positioning the target can alter one of the path lengths



After 6 minutes and 30 seconds of silent, motionless exposure



The orthoscopic-Image



Other targets were harder to image, requiring a longer exposure time.

