

Mercury Transit 2019

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Amateur Astronomers Association of Princeton
Peyton Hall

<http://www.princeton.edu/~rvdb>

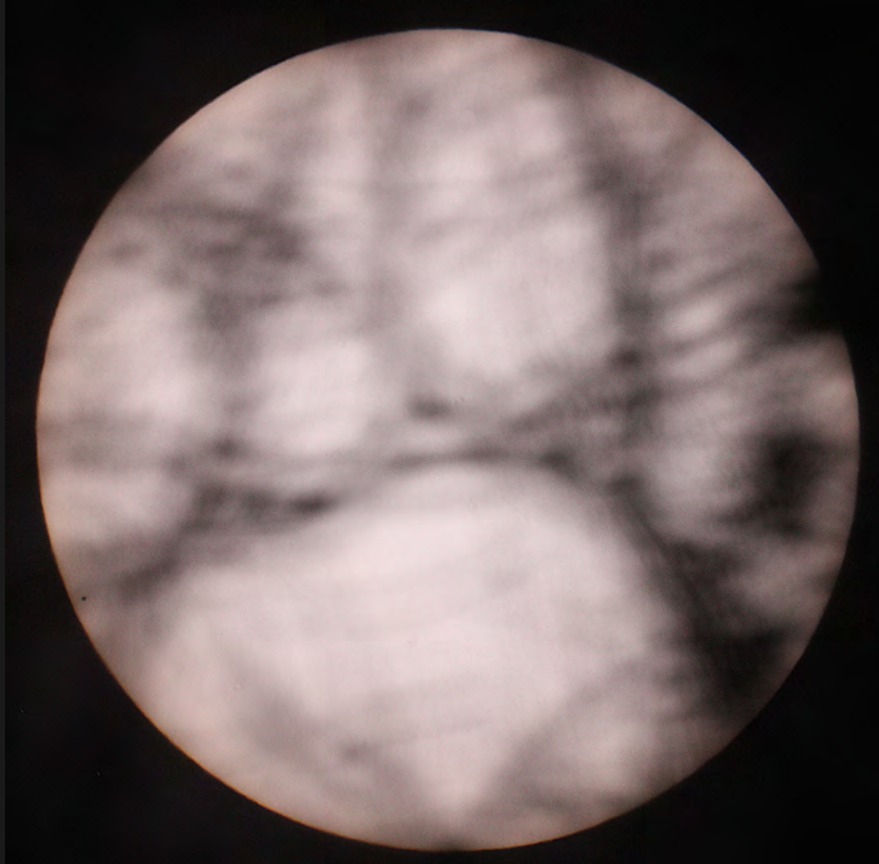
My Setup

Here's a pic of my Questar taking pics of the transit...



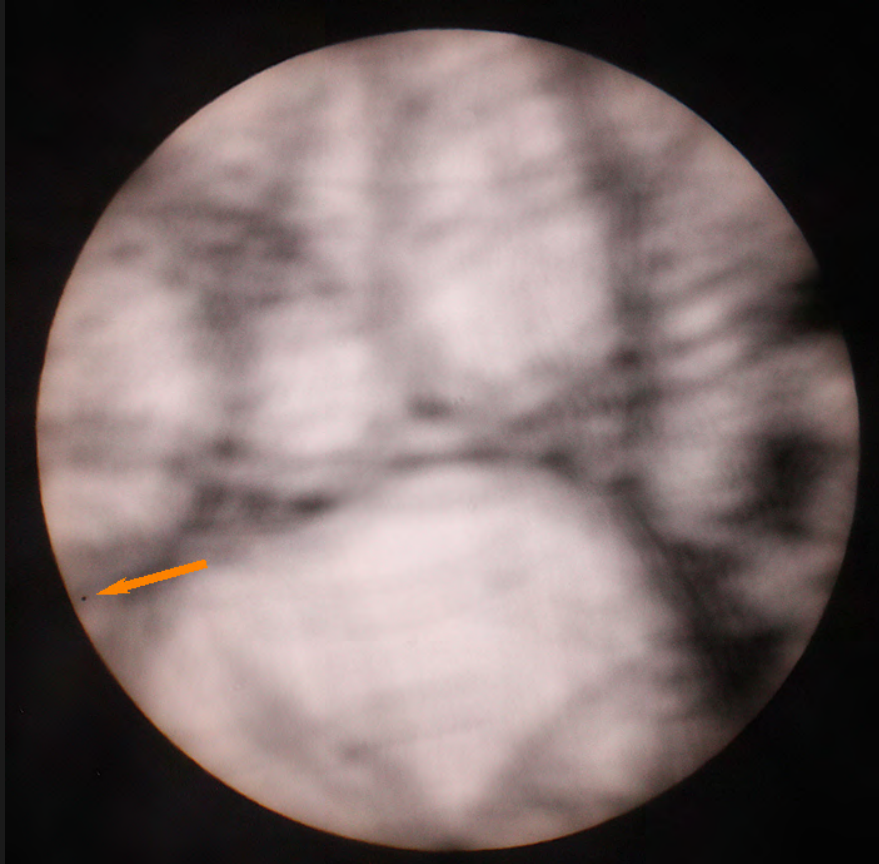
Shortly After Ingress

Here's how things looked at 7:40am...



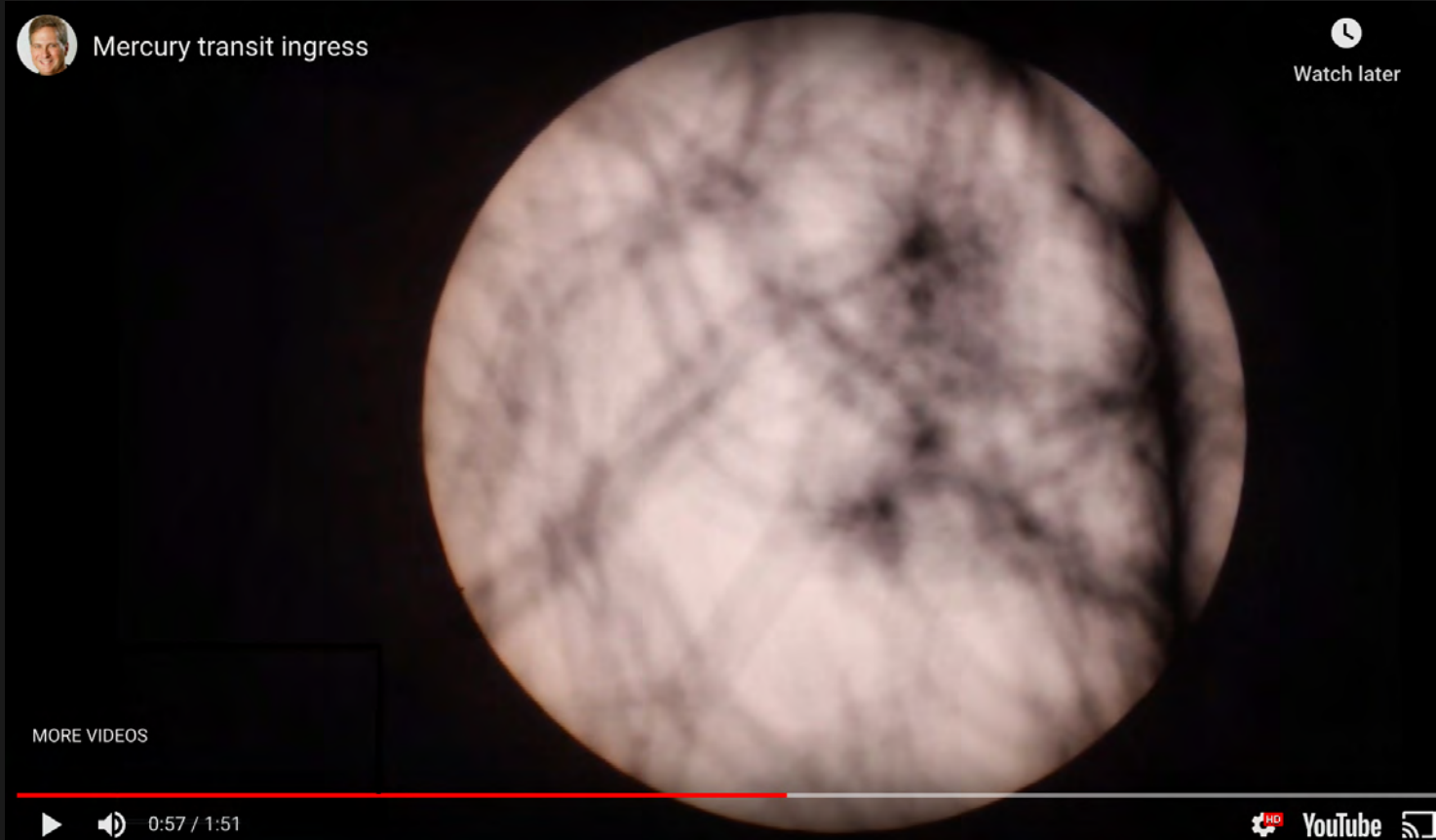
Shortly After Ingress

Here's how things look about 10 minutes after ingress...



Video of Ingress

Here's a video showing Mercury's ingress...



A YouTube video player interface. The main content is a circular, blurry image of Mercury's surface, showing dark spots and light-colored terrain. The video is titled "Mercury transit ingress" and is uploaded by a user with a profile picture of a man. In the top right corner, there is a "Watch later" button. In the bottom left corner, there is a "MORE VIDEOS" button. The video progress bar shows 0:57 / 1:51. The YouTube logo and a settings icon are visible in the bottom right corner.

Mercury transit ingress

Watch later

MORE VIDEOS

0:57 / 1:51

YouTube

Mid-Transit

Here's how things looked 10:30am...



Mid-Transit

Here's how things looked 10:30am...



Zoomed In

Same picture but cropped for a tight zoom in...



Angular diameter of Mercury was $9.9''$.

Third Contact



Fourth Contact

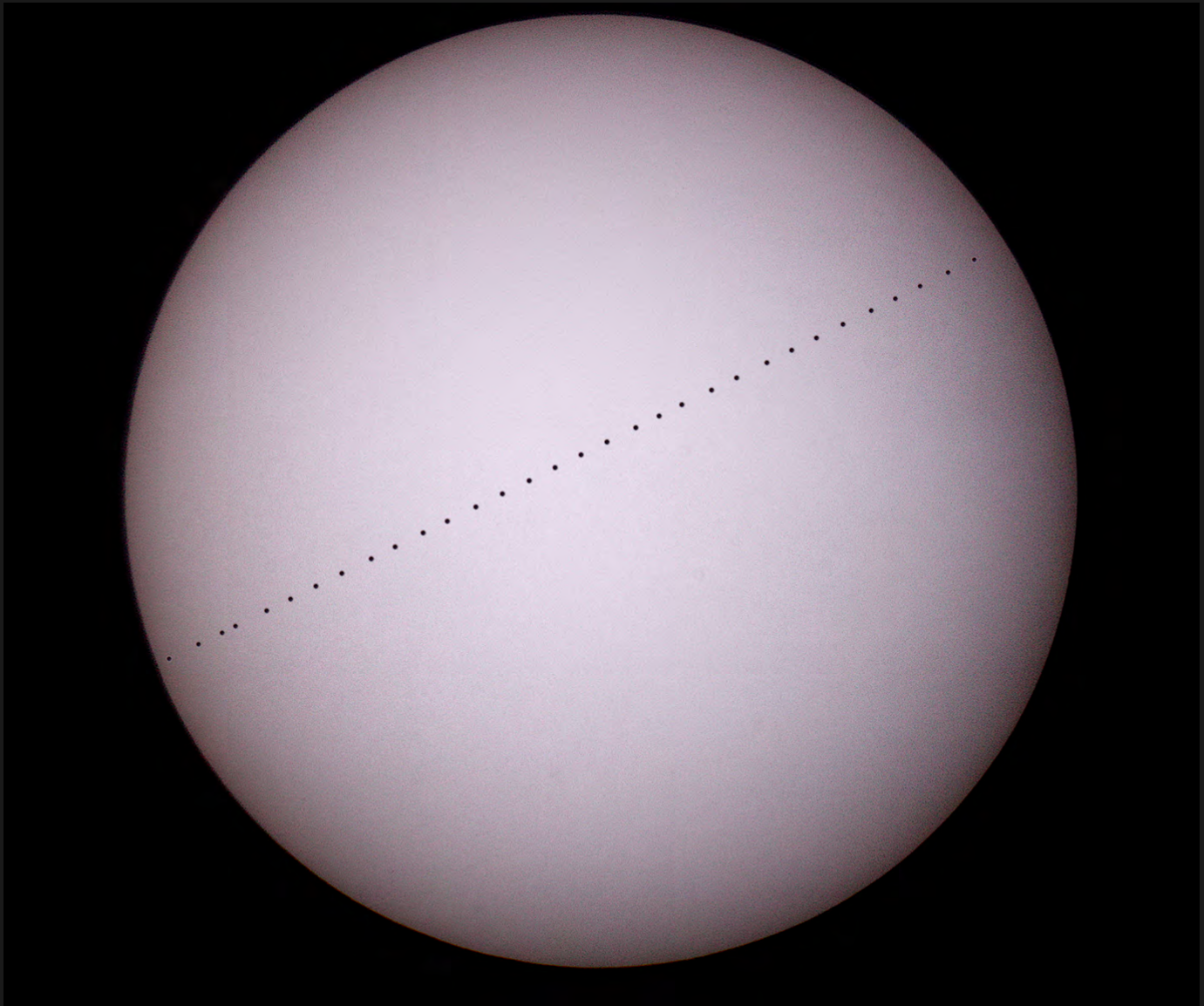


Video of Egress

Here's a video showing Mercury's egress...



Composite – Every 10 Minutes



Time Stamps

Event	Time	Altitude
Mercury Rise	6:43	0°0'
First Contact	7:38	8°59'
Second Contact	7:41	9°14'
Mercury Transit	11:42	32°13'
Third Contact	12:58	29°33'
Fourth Contact	1:01	29°21'