

Analysis of the First Optical Detection of a Meteoroidal Impact on the Lunar Surface Recorded from Brazil

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Supplementary Materials

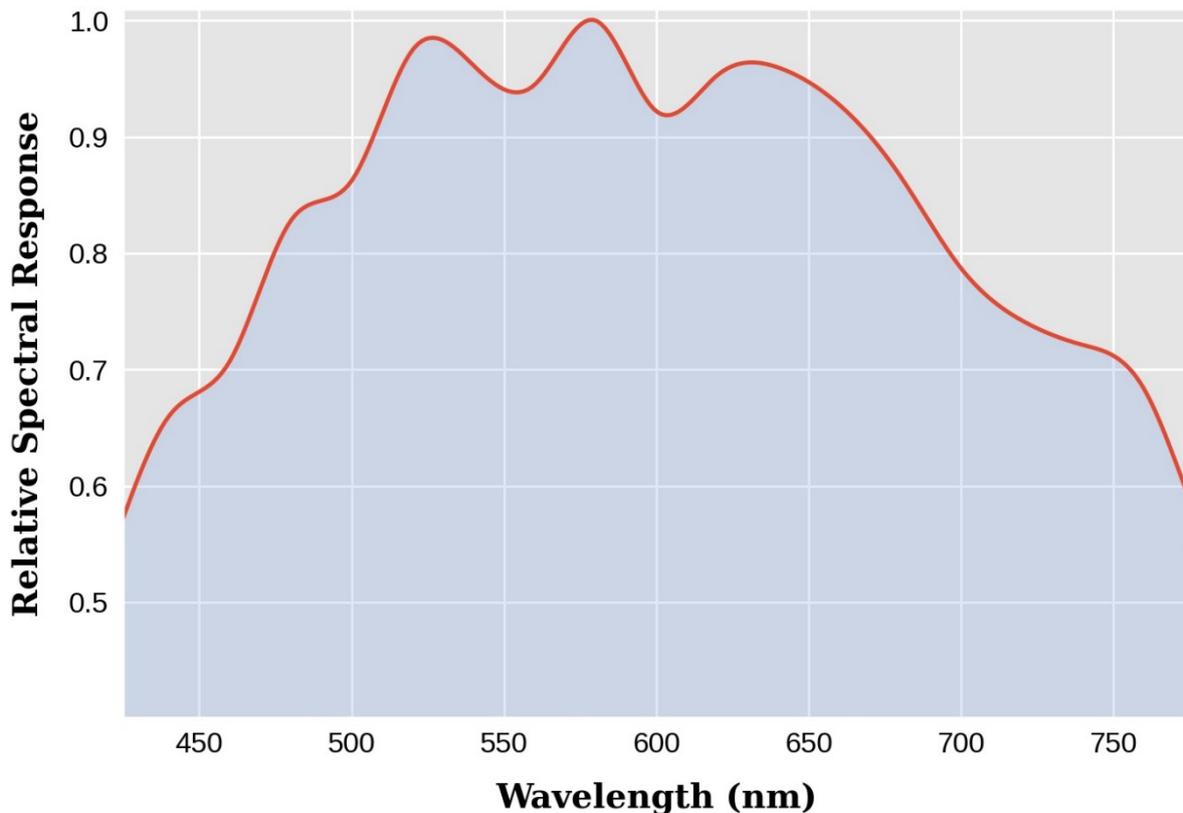


Figure S1. The relative spectral response of the ZWO ASI1600MM-Cool camera, employed in the Maceió recordings.

2017 12 14 07:13:46.787



Figure S2. The original first frame of detection of Flash 1, as recorded in Maceió, non-cropped, representing the effective FOV of the setup that was used in the site.

2017 12 14 07:13:46:787



Figure S3. TIFF file generated by LunarScan for the frame with the peak of Flash 1, from the Maceió recordings. Inverted colors.

2017 12 14 07:13:46:323

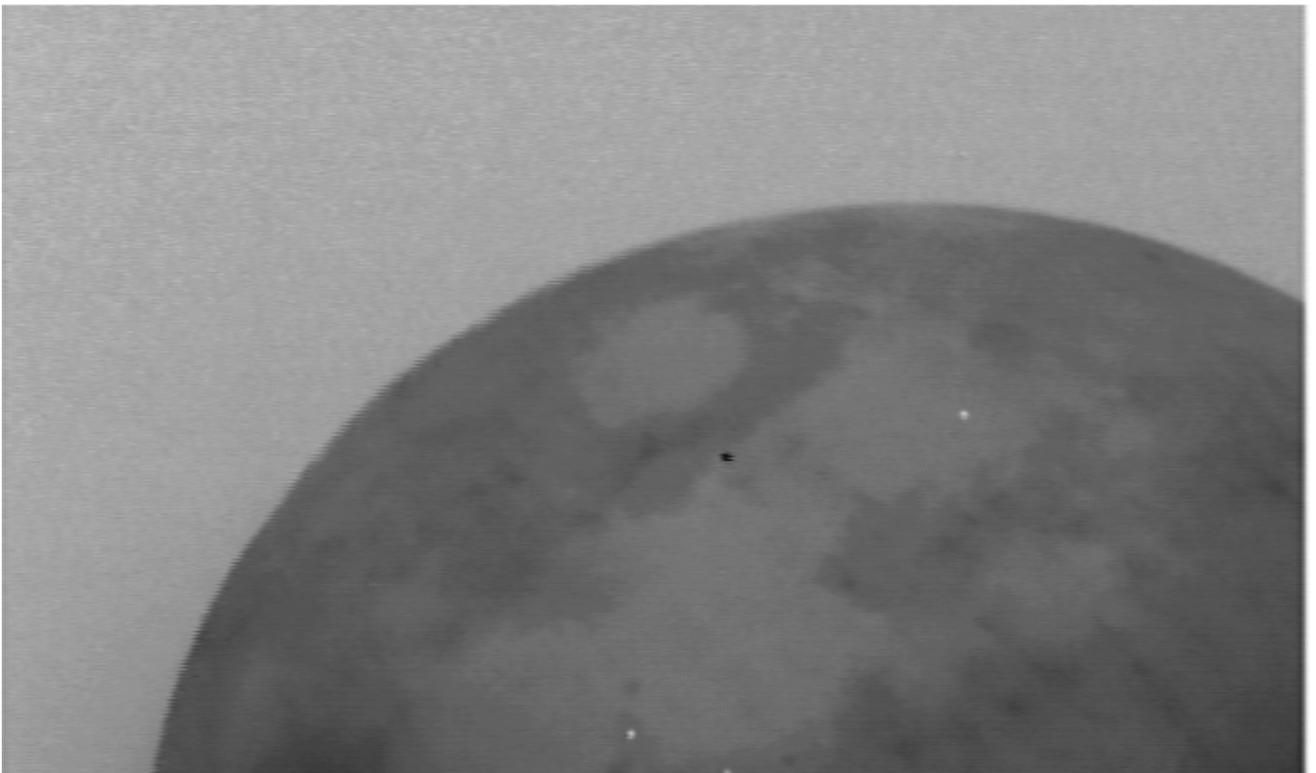


Figure S4. TIFF file generated by LunarScan for the frame with the peak of Flash 1, from the Araruna recordings. Inverted colors. The black spot is the flash. The white dots are hot pixels.

2017 12 14 07:14:29:384

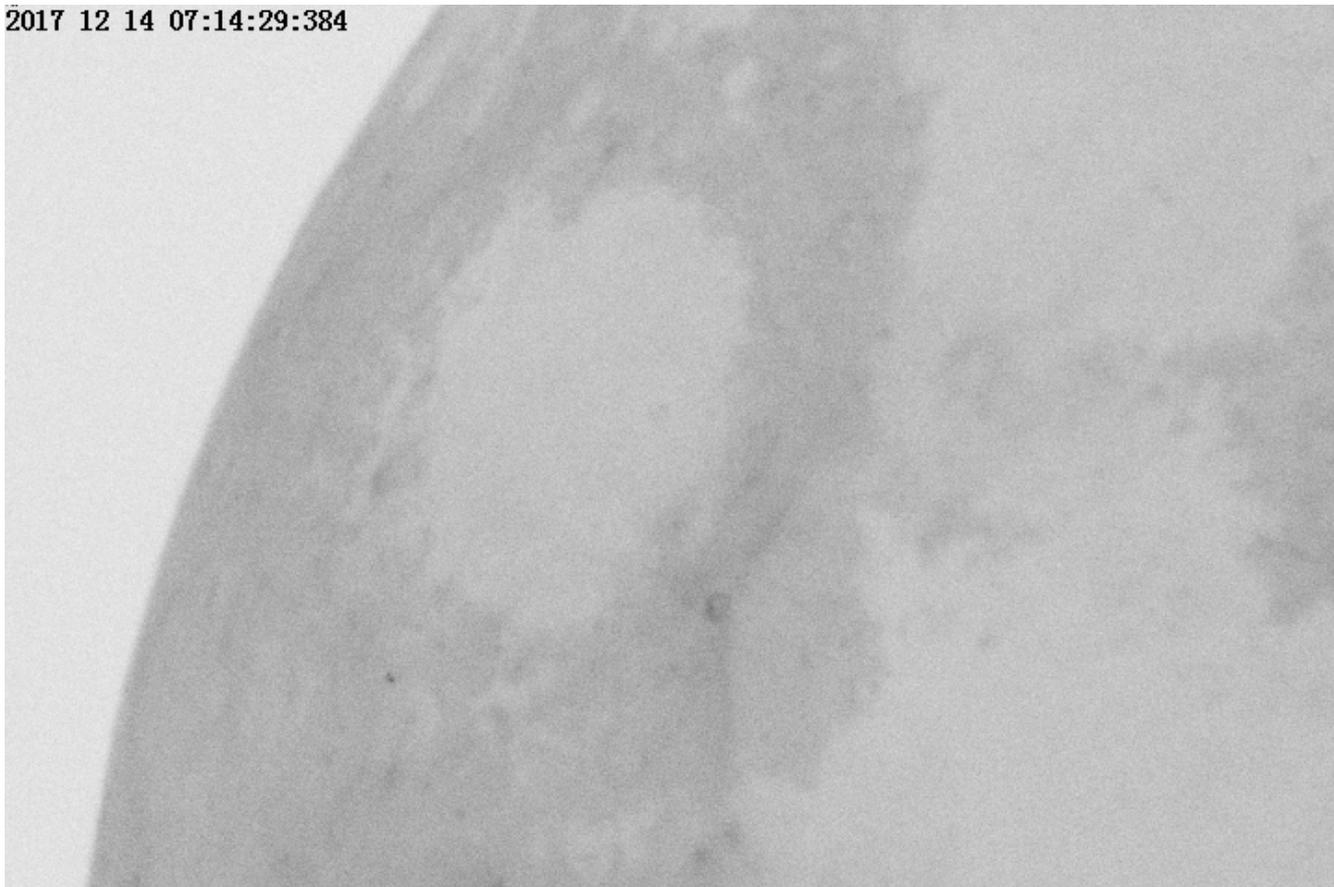


Figure S5. TIFF file generated by LunarScan for the frame with the peak of Flash 2, from the Maceió recordings. Inverted colors.

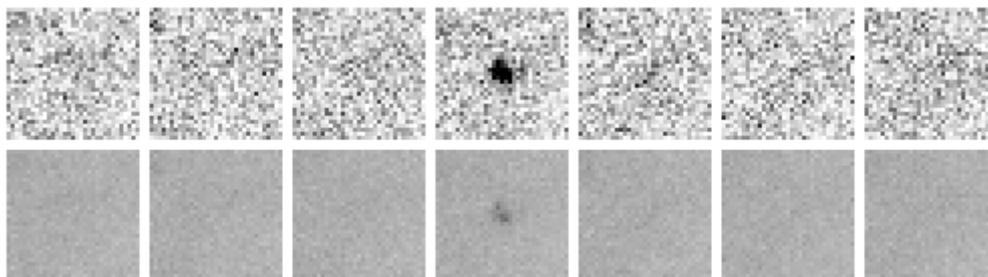


Figure S6. TIFF file of seven-frame sequence generated by LunarScan for Flash 2, from the recordings at Maceió, at 4.46 FPS.

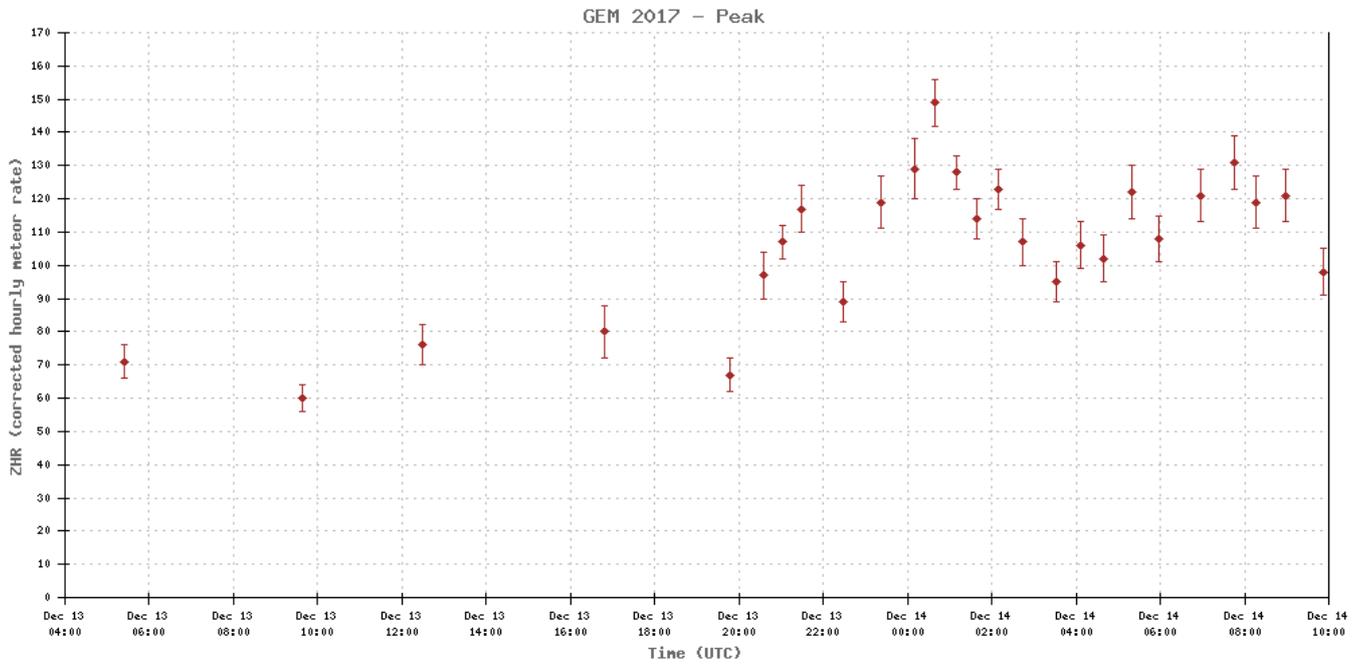


Figure S7. Reported ZHR of the Geminid meteor shower around its 2017 peak, according to the IMO.