

**The Mastcam-Z Radiometric Calibration Targets on NASA's Perseverance Rover:
Derived Irradiance Time-Series, Dust Deposition, and Performance over the First
350 Sols on Mars.**

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Additional Supporting Information (Files uploaded separately)

Caption for Table S1

Caption for Movie S2

Introduction

The files described here as supporting information include a table in comma-separated values (CSV) format containing basic data about all the images from the Perseverance rover shown in the figures of the main article, and a short movie sequence of several color images of Mastcam-Z calibration targets taken from sol 0 to sol 350.

Table S1. Basic summary of all the images from Mastcam-Z instrument that are shown in the main article as figures. The table is provided as a comma-separated values (CSV) file. From left to right, the columns represent:

- *Image_ID*: Image ID of the IOF-calibrated image.
- *Sequence*: Number of the image sequence.
- *Sol*: Sol number.
- *LMST*: Local Mean Solar Time (LMST) at which the image was taken on Mars.
- *Instrument*: Instrument name.
- *ZCAM_Filter_name*: Name of the filter used.
- *Focal_length_mm*: Focal length in millimeters.
- *Figure_in_text*: Number of the figure in the main text in which the image is shown.
- *Gamma*: gamma used to display the image.
- *Channels*: color thresholds in Red, Green and Blue channels (or grayscale).

Movie S2. Video sequence of several color (RGB) images of Mastcam-Z calibration targets in chronological order from landing to sol 350. All the images were taken by the left "eye" of Mastcam-Z (filter L0) and have been aligned to reduce shifts and distortions between consecutive frames.