

**Supporting Information for
“CME Evolution in the Structured Heliosphere and Effects at Earth
and Mars During Solar Minimum”**

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1. Captions for Movies S1 to S5

Caption for Movie S1

Eruptive events (leading to CME1 and CME2) on 20 August 2018 as seen by SDO/AIA in the 211 Å channel. The “empty” frames between 06:40 UT and 07:40 UT (extremes included) are due to Earth crossing the camera’s field of view.

Caption for Movie S2

Propagation through the solar corona of CME1 and CME2 as seen in running-difference images from STEREO/SECCHI/COR2-A with a fixed temporal separation of 1 hour.

Caption for Movie S3

Propagation through the solar corona of CME2 (CME1 was not visible) as seen in running-difference images from SOHO/LASCO/C2 with a fixed temporal separation of 1 hour.

Caption for Movie S4

Propagation through the inner heliosphere of CME1 and CME2 as seen in running-difference images from STEREO/SECCHI/HI1-A with a fixed temporal separation of 40 minutes.

Caption for Movie S5

(Left) WSA–Enlil simulation results for the solar wind radial speed V_r on the ecliptic plane. (Right) Corresponding solar wind speed V time series at Earth and Mars.