

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Temporal evolution of solar eruptive activity observed by AIA and associated radio bursts detected by LOFAR. (a) LOFAR dynamic spectrum. Blue slices/boxes indicate the initial sampling range; orange plus symbols denote secondary selection of distinct repeating pairs across all frequencies; orange squares mark sources selected for imaging. (b) AIA time-density flux profile integrated over the active region. The red vertical line marks the time of the AIA images presented in the panels (c) and (d), where the left and right panels show the original and base-difference images, respectively. The red plus and blue diamond (connected by a turquoise line) indicate the centroids of the earlier and delayed components of a pair.