Joint SDO/AIA and IRIS Observations of Propagating Coronal Disturbances

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Propagating disturbances have been observed frequently in long coronal loops at the edges of active regions. In this study, we analyse AIA imaging observations in different wavelengths and both IRIS Slit-Jaw images and spectral data. Careful alignment and comparing the timing of events in the different wavelengths allows us to track the evolution of these disturbances as they propagate through the atmosphere. Within a spatio-temporal resolution element, the data show a complex and challenging interplay of signatures of shocks, twist, flows and waves.