Corona Loop Dynamics as Studied from EUV Observations

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During the Joint Observing Programme (JOP 165) campaign the Active region AR 10457 is followed from one limb to other through the disk over a span of 12 days from 5th September to 17th September 2003 so to investigate the oscillations in coronal loops and other magnetic structures. The e®ect of projection as the active region is seen o®-limb and on-disk is also one of the main emphasis of this investigation. Propagating intensity disturbances are found to be common in extended loop structures close to active regions. The origin and properties of these disturbances will be investigated. We would like to present here the observed variations in the speeds and periods of such oscillations among di®erent structures in AR 10457 as well as their variation from centre to limb using TRACE data. Co-temporal spectroscopic data from CDS is also used to check for the signatures of corresponding velocity variations and will also be discussed.

Keywords : sun; chromosphere; corona; active region; coronal heating