ON THE ARRIVAL TIMES OF HALO CORONAL MASS EJECTIONS IN THE VICINITY OF THE EARTH

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It is well known that the arrival times of Coronal Mass Ejections (CMEs) in the vicinity of the Earth play an important role for solar terrestrial environment. For the forecasting of Space Weather, it is necessary to predict the CMEs arrival time at 1 AU. Here, using LASCO halo CMEs data of 246 events observed during time period 1996-2008, we have tried to predict the arrival times as accurately as possible of full halo CMEs only. We have also studied arrival time of halo CMEs associated with type II radio bursts and X-class soft x-ray bursts, separately. The results obtained in the present investigation are discussed in the light recent scenario of CMEs understanding.