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Characteristics of CMEs with respect to their source region during 23rd sunspot cycle.

Abstract content

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Abstract Different properties (speed, angular width, measurement position angle, etc) of coronal mass ejection have been studied based on the observations form Large Angel and Spectrometric Coronagraph (LASCO) on board of the Solar and Heliospheric Observatory (SOHO) space craft during the period Jan 1996 – Apr 2006 by using the data of the web site : http://cdaw.gsfc.nasa.gov/CME list during the 23rd sunspot cycle. Statistically, it is observed that the rate of occurrence of Class B CMEs (those occur with measurement position angle between 2000-3500) is greater than class A CMEs (those occur with measurement position angle between 500-2000). The occurrence trend of both classes generally follows the trend of the phase of sunspot cycle. Further, it is noticed that the maximum number of class B CMEs have occurred in the measurement position angle (MPA) range 2000-3000. Further more, minimum number of class A CMEs have occurred in the MPA range 00-500.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

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