

Jessica Wellman
Coronal Mass Ejections

My question is, "How fast do coronal mass ejections move when directed toward Earth?" It is hypothesized that coronal mass ejections move at a high speed, approximately 500 to 2,000 km/s. This was tested by observing images from different sites (sciencebuddies.org and hao.ucar.edu). From there, the lengths of the gases that were released from the image displayed as the sun were measured in centimeters. Using the table, the data was organized and eventually converted into kilometers for the average acceleration and velocity. Each measurement was checked twice for accuracy. Throughout this procedure, all data was recorded into both of my tables, one for each set of images. The results, however, did not support my hypothesis.