

Mutual events of the Saturnian satellites: a test of the dynamical models

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In 1995-1996 mutual events of the Saturnian satellites occurred. These events lead to high accurate astrometric measurements and allow dynamicians to constrain the models of the motions of these satellites. During this period we organized an international campaign to get observations of these events. After collecting the data, performing the reduction of various photometric records, we are able to provide some final results: thanks to the analysis of almost sixty observations, we have computed longitude corrections issued from a comparison to the theoretical Dourneau's model and from the Vienne and Duriez model (TASS) showing the present accuracy of these models.