



# **1 Coordinated observations of the global configuration of reconnection at the magnetopause.**

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In a previous study, we examined Double Star TC1 plasma and magnetic field data for magnetopause crossings occurred during the first year of the mission in the 06 - 18 LT interval. We identified 23 events of reconnection flow reversals, that is reconnection jets moving in opposite direction detected within a short time interval at a magnetopause crossing, which can be associated with passages near the X point. The location of the reconnection flow reversals, for different orientations of the IMF, is consistent with the component merging model prediction. Here we study Cluster and ground based observations for the reversal events to further exploit the global configuration of reconnection at the magnetopause.