



## **Reconnection signatures in the high and low latitude dayside magnetopause observed by Cluster and Double Star.**

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We focus on coordinated CLUSTER-Double Star conjunctions in the high and low latitude magnetopause for a number of dayside passes. We investigate reconnection associated signatures observed simultaneously at these different locations, both in terms of transient FTEs, arising from opened flux ropes during intermittent reconnection, and comparative boundary layer signatures during cusp and magnetopause transitions. We attempt to quantify differences in the structure and dynamics of the magnetopause boundary layer between the spacecraft locations. We also track the polarity and motion of flux tubes implied from the occurrence of FTEs, observed at the different spacecraft, in order to map to the most probable reconnection sites under a variety of upstream conditions. This work was borne out of the activities of an ISSI working group on comparative Cluster-Double Star measurements of the dayside magnetosphere (ISSI, Berne, Switzerland).