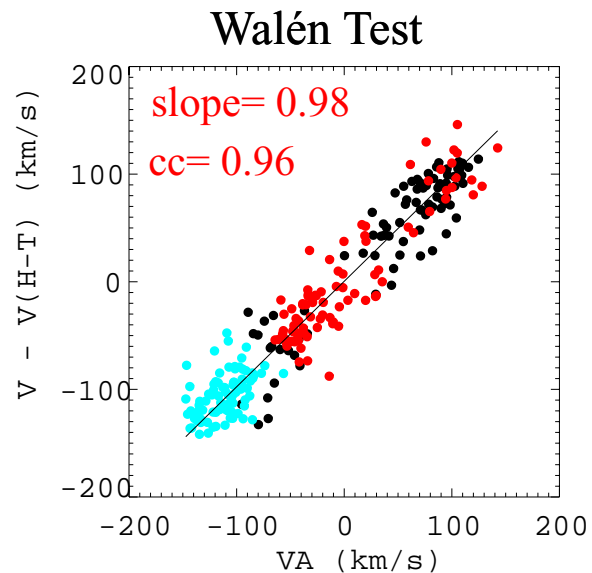
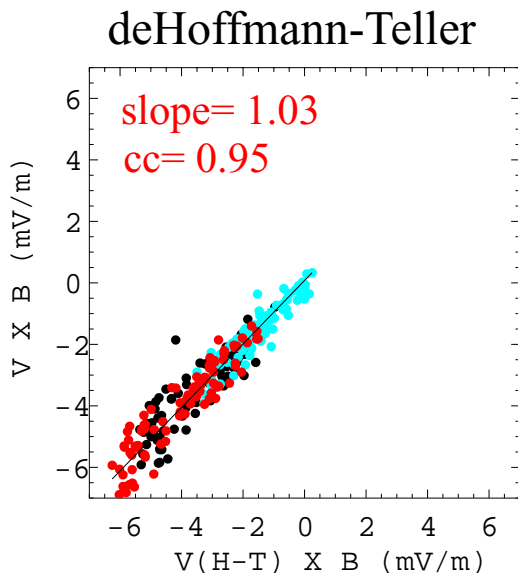
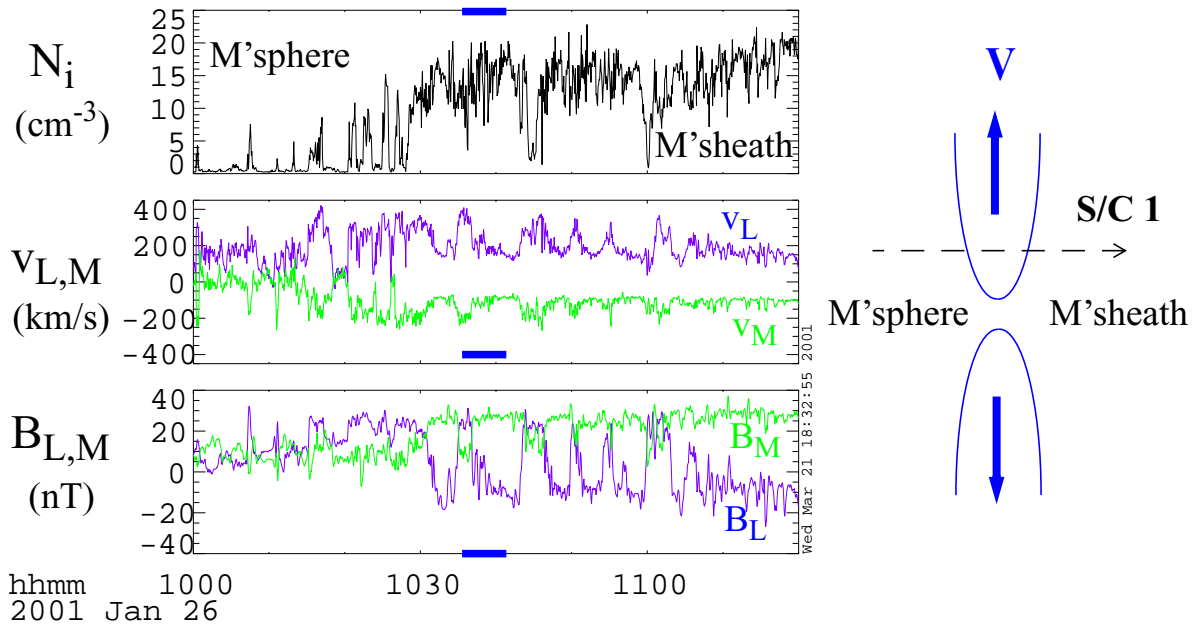


Test of Reconnection: Walén Test [Sonnerup 1987]

- (1) Good deHoffmann-Teller frame: $\mathbf{E}_{H-T} = (\mathbf{V} - \mathbf{V}_{H-T}) \times \mathbf{B} \approx 0$
- (2) $\mathbf{V} - \mathbf{V}_{H-T} = \pm \mathbf{V}_A$



- * Excellent agreement with theory !
- * Positive Walén slope --> crossing north of X-line