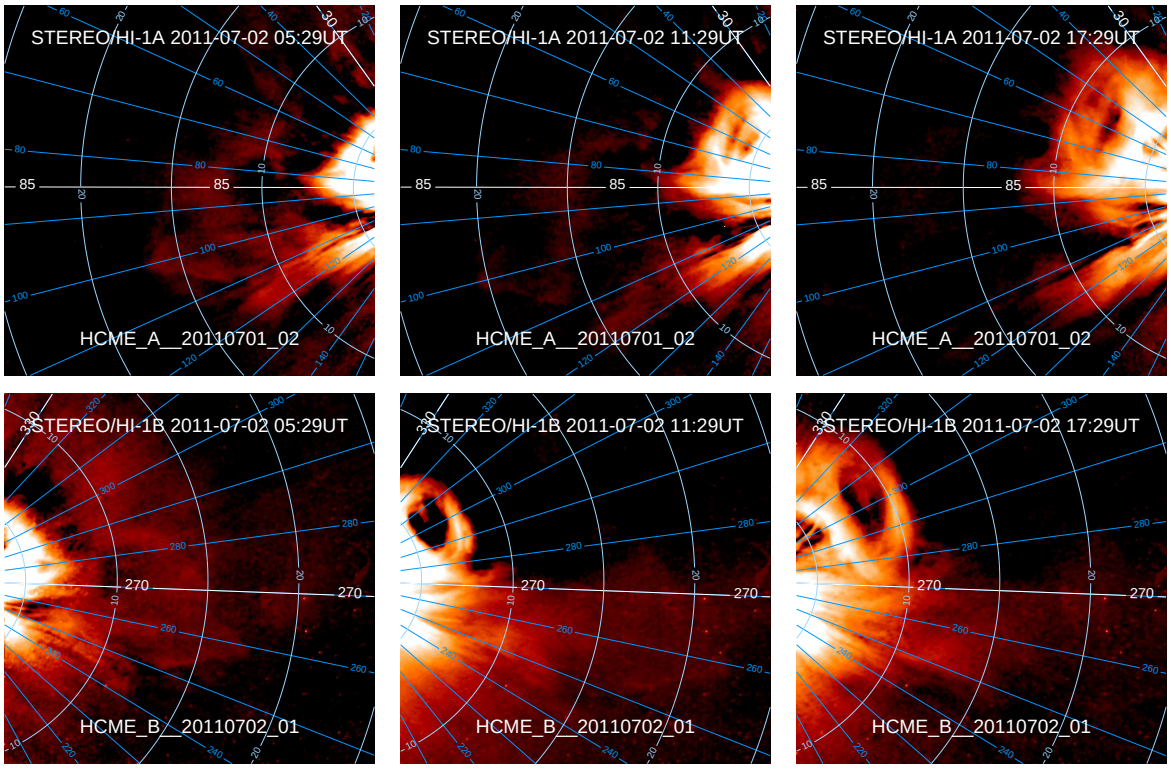

Figure 1: Example of a CME observed by both STEREO A (top row) and B (bottom row). From left to right, the columns show images taken 6, 12 and 18 hours after the CME entered the HI-1A field of view.

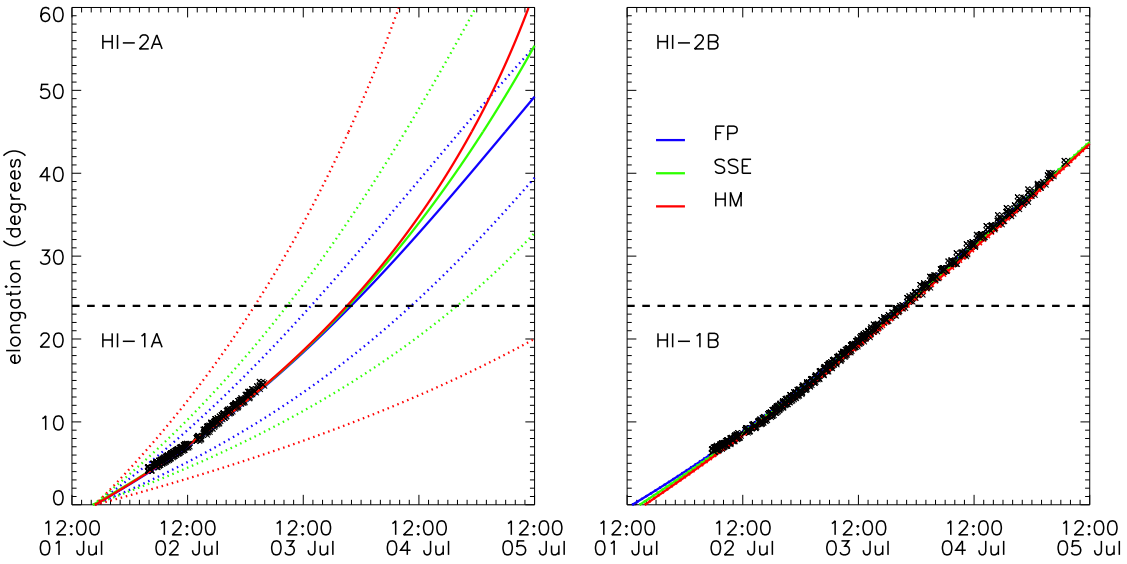

Figure 2: Time elongation plot for the CME in figure 1, as observed using both STEREO A and B. Each of the three fits and their uncertainties are over-plotted.

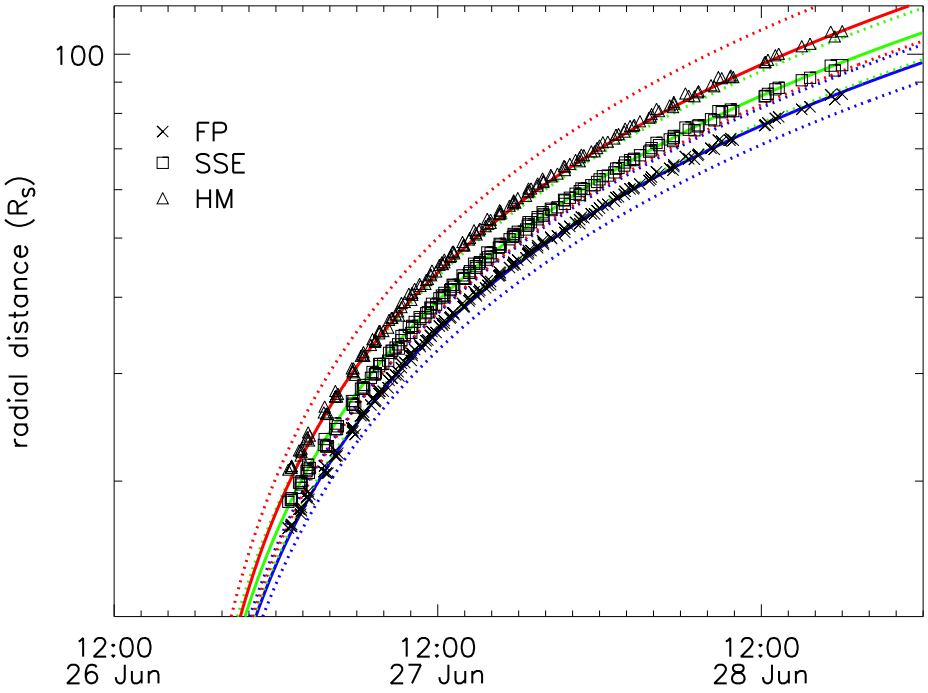

Figure 3: Height time profile for HCME_A__20090626_01 for each of the three fitting methods.

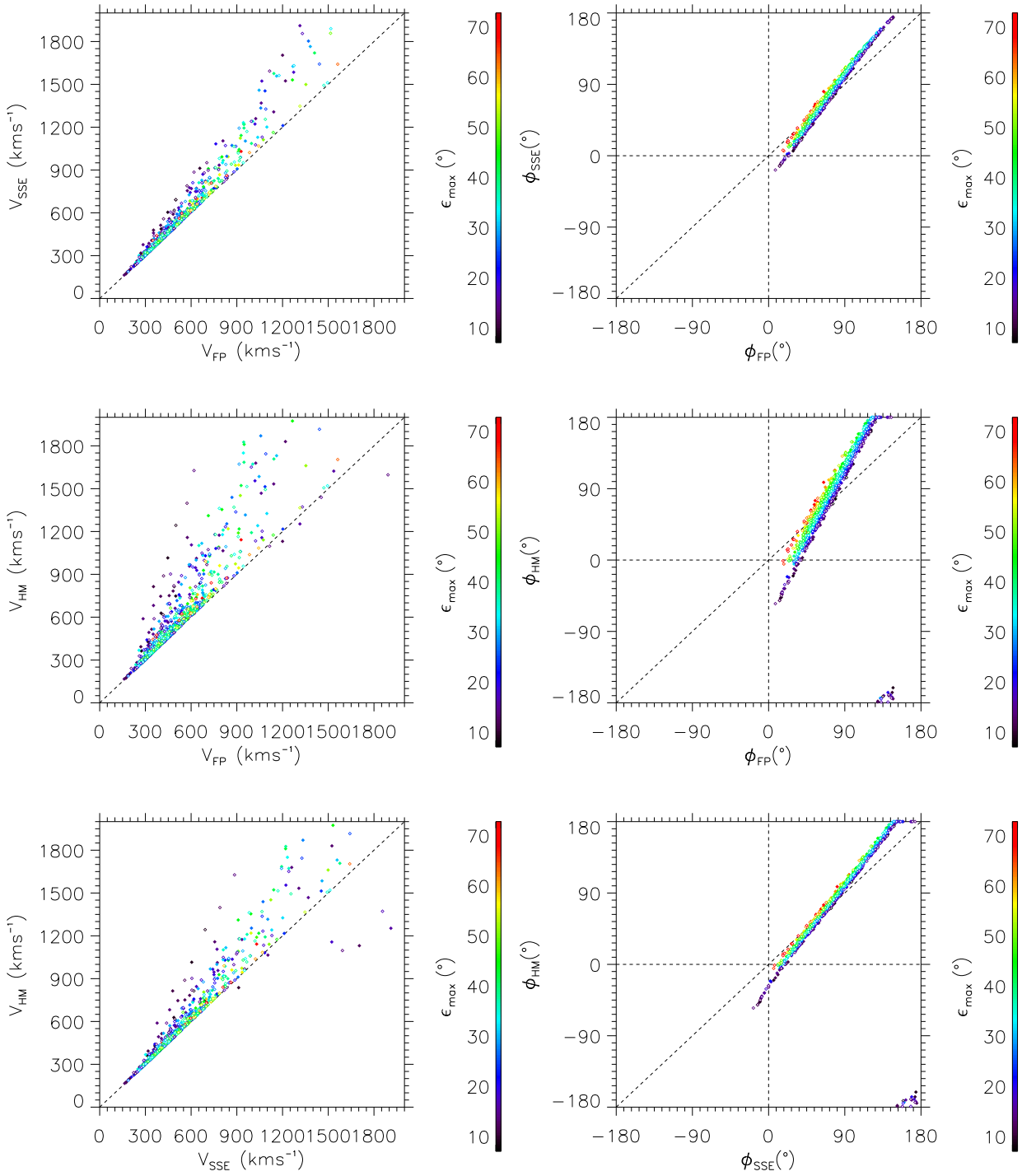

Figure 4: Comparison between each of the three fitting methods for speeds and directions.

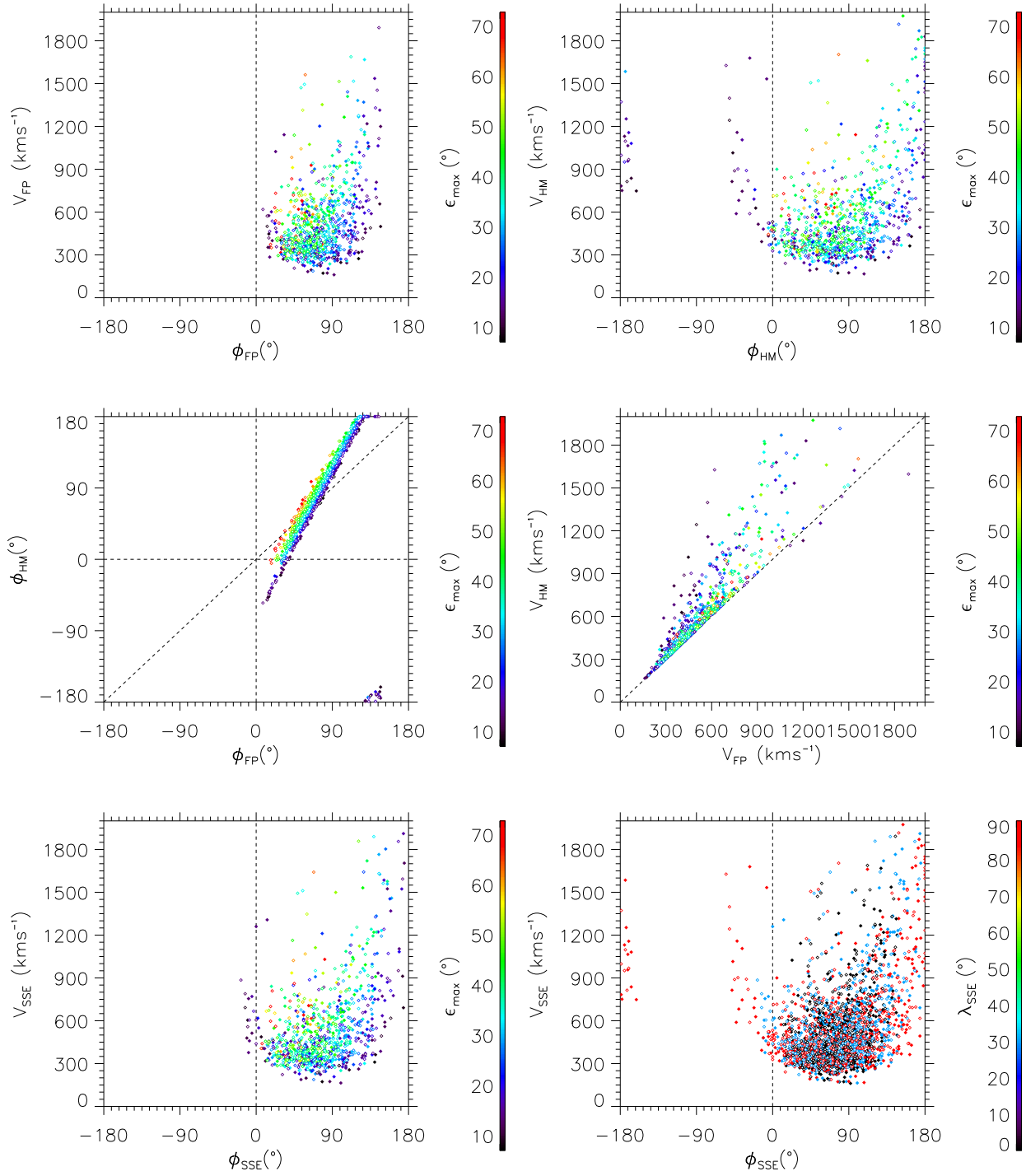

Figure 5: Reproduced plots from figure 3 in [Davies et al., 2012] using the new catalogue.

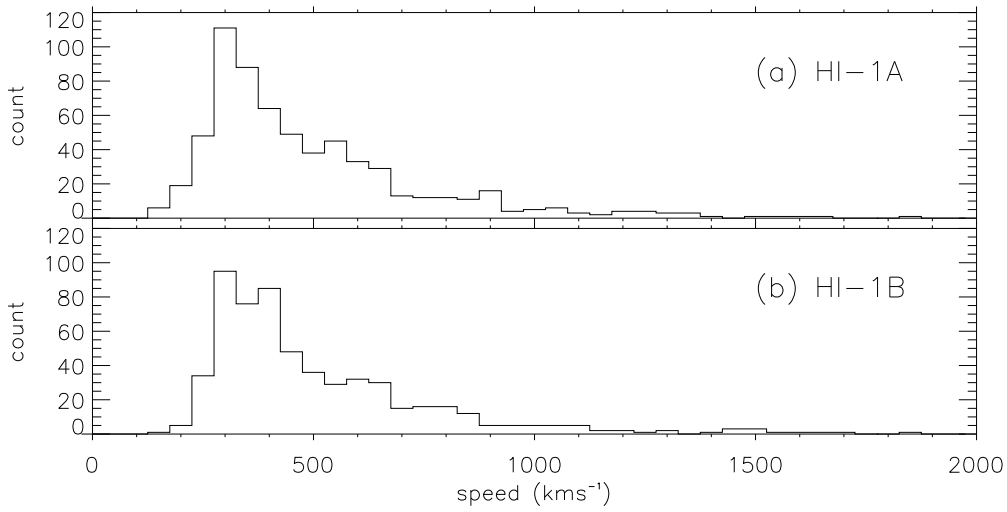

Figure 6: Distribution of CME speeds determined from STEREO A and B using SSE fitting.

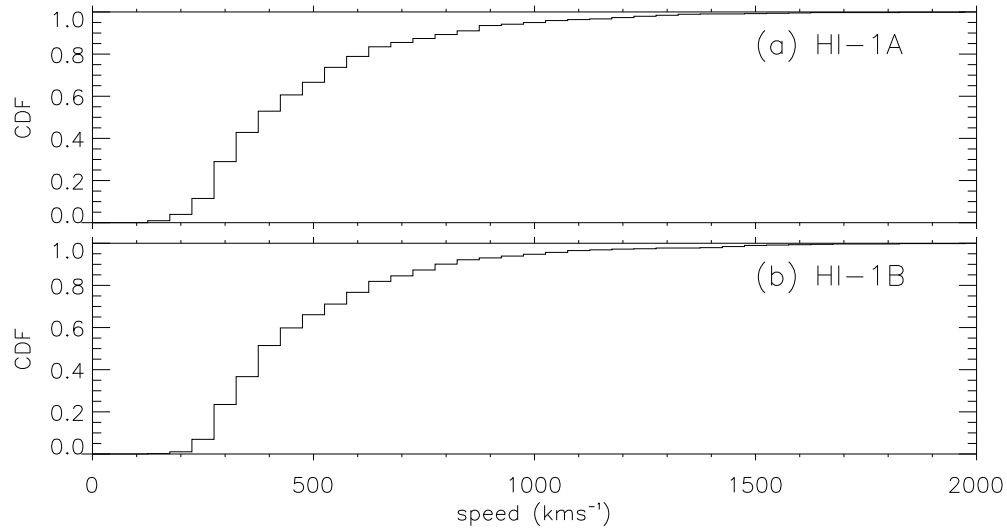

Figure 7: Normalised cumulative distribution function from figure 6.

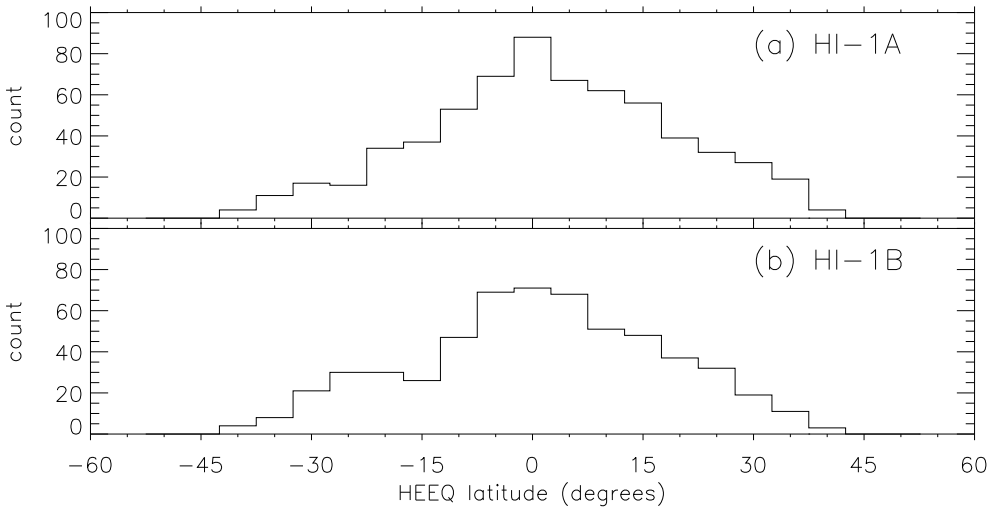

Figure 8: Distribution of CME latitudes from SSE fitting.

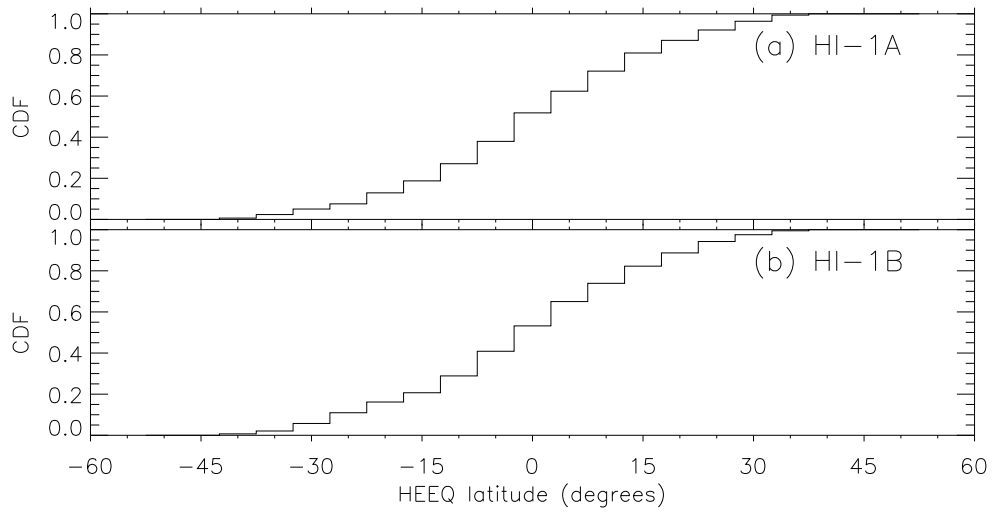

Figure 9: Normalised cumulative distribution function from figure 8.

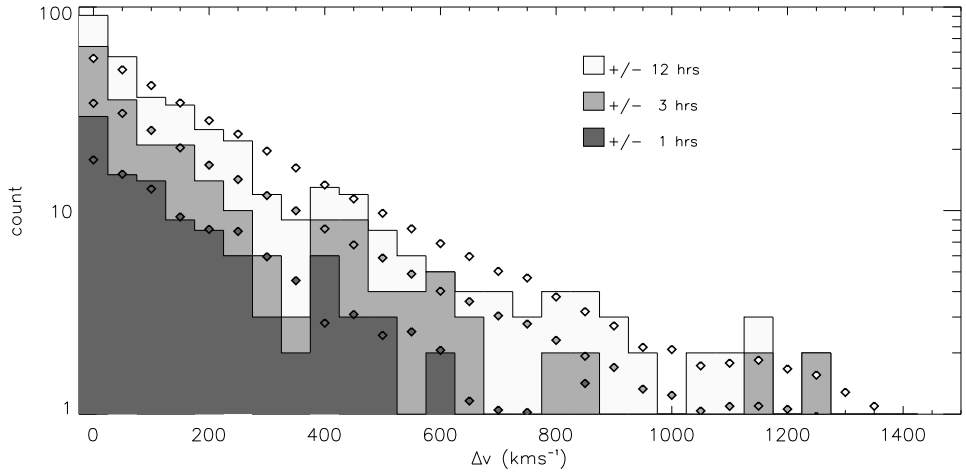

Figure 10: The difference in (SSE) speeds of CMEs coincident in the FOV of both spacecraft. Two CMEs are defined as coincident if they enter the FOV of both HI-1A and HI-1B within a given time-window (1, 3 or 12 hours). The diamonds show the result if CME speeds are compared at random, based on the distributions in figure 6.

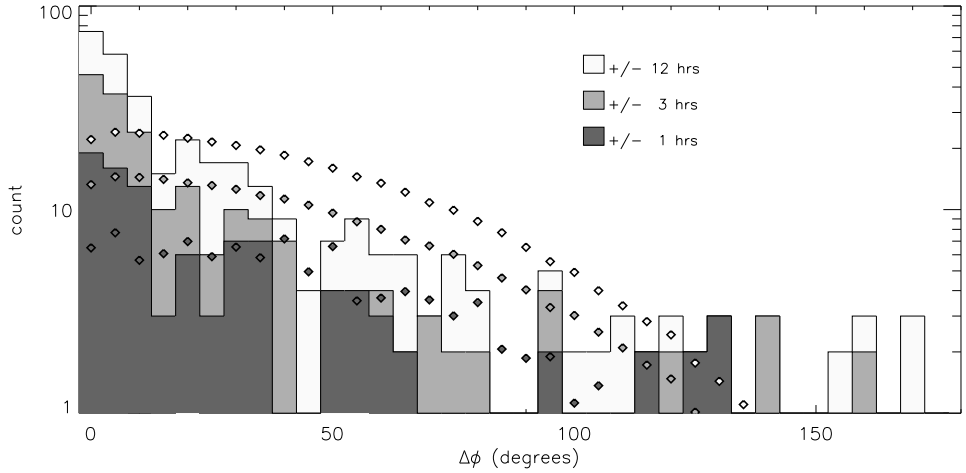

Figure 11: Same format as figure 10, but for the difference in angle, ϕ.

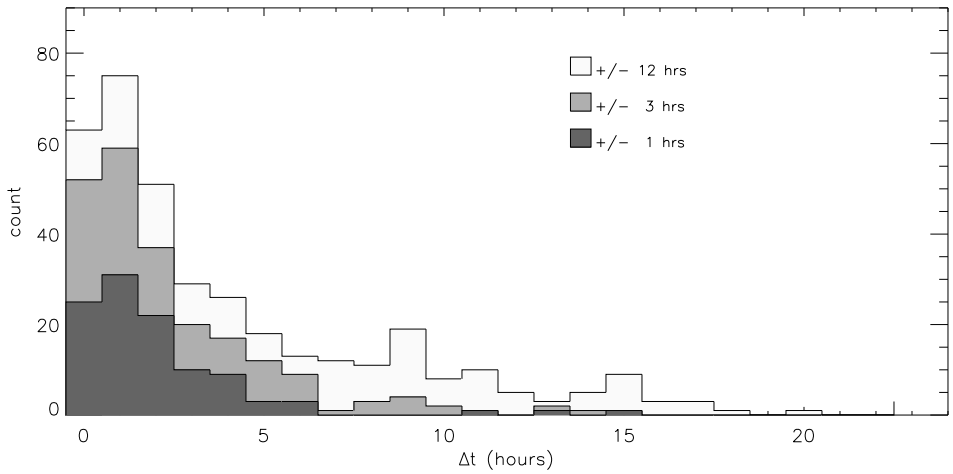

Figure 12: Same format as figure 10, but for the difference in launch times.

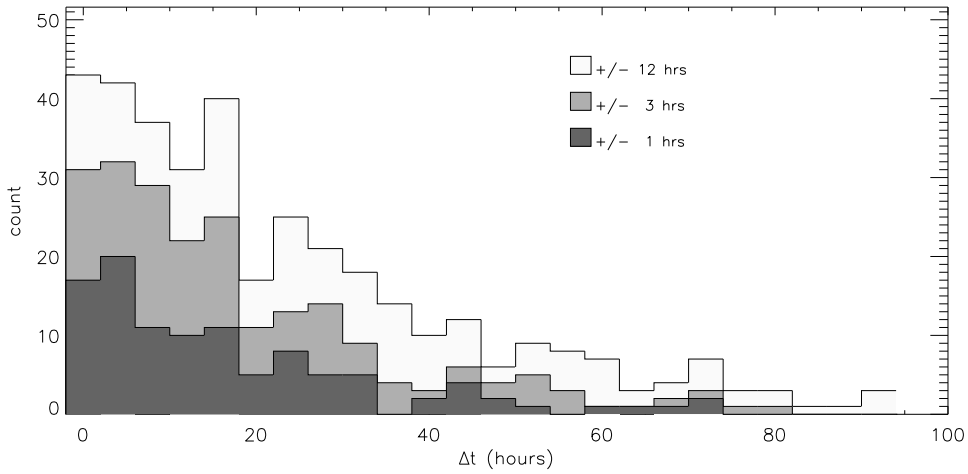

Figure 13: Same format as figure 10, but for the difference in 1AU arrival time.

References

J. A. Davies, R. A. Harrison, C. H. Perry, C. Mstl, N. Lugaz, T. Rollett, C. J. Davis, S. R. Crothers, M. Temmer, C. J. Eyles, and N. P. Savani. A self-similar expansion model for use in solar wind transient propagation studies. *The Astrophysical Journal*, 750(1):23, 2012. URL `http://stacks.iop.org/0004-637X/750/i=1/a=23`.