



## Corrigendum to “Statistical analysis of storm-time near-Earth current systems” published in Ann. Geophys., 33, 965–982, 2015

Michael W. Liemohn<sup>1</sup>, Roxanne M. Katus<sup>2</sup>, and Raluca Ilie<sup>3</sup>

<sup>1</sup>Department of Climate and Space Sciences and Engineering, University of Michigan, Ann Arbor, MI, USA

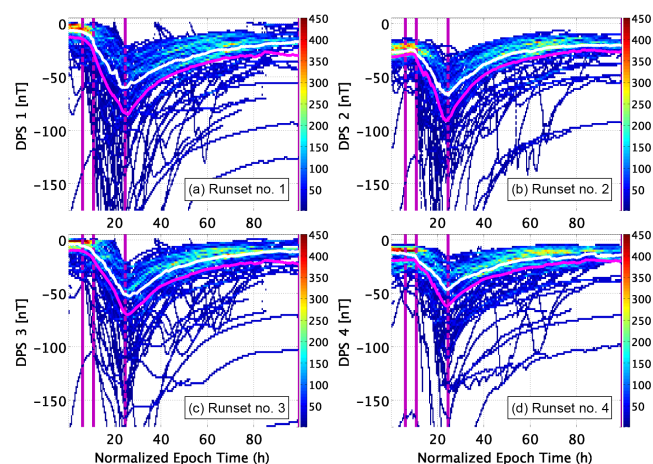
<sup>2</sup>Department of Mathematics, Eastern Michigan University, Ypsilanti, MI, USA

<sup>3</sup>Department of Electrical and Computer Engineering, University of Illinois, Champaign-Urbana, IL, USA

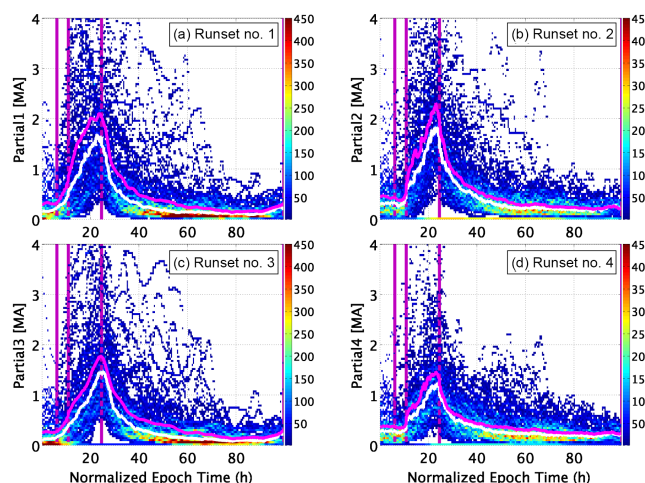
**Correspondence:** Michael W. Liemohn (liemohn@umich.edu)

Published: 16 October 2018

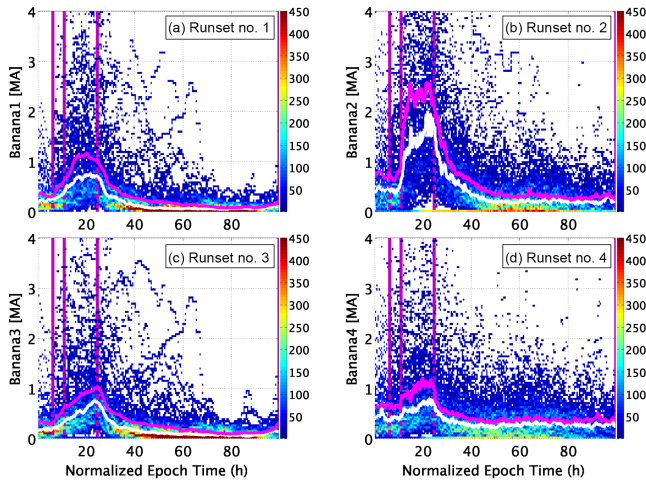
Figures 5–12 were omitted from the final published version of this paper, instead repeating Fig. 4 in each of the figure locations in the paper. We present these omitted figures here.



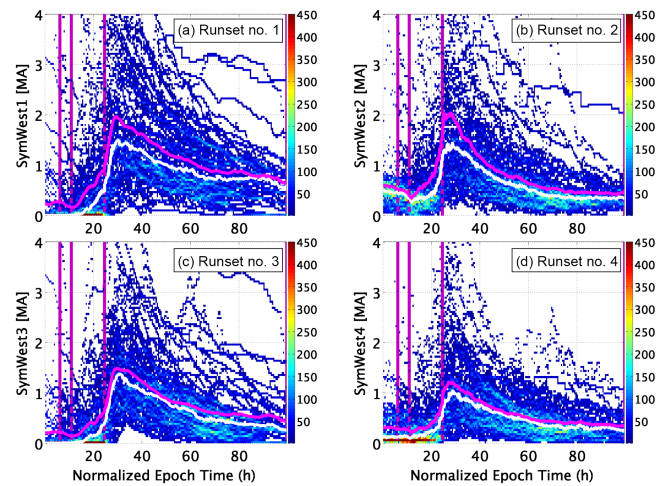
**Figure 5.** Normalized-timeline superposed epoch analysis of the DPS\* time series from HEIDI for the four different runsets. The  $x$  axis (epoch time) is binned every 30 min and the  $y$  axis (DPS\*) is divided into 5 nT bins, with the color showing the number of values from all storms in each bin. The white curve displays the median and the purple curve shows the mean of the DPS\* values. The four purple vertical lines are epoch time markers showing, from left to right, the start of the initial phase, the start of the main phase, the point in the main phase when the superposed average of Dst shows an inflection kink, and the storm peak.



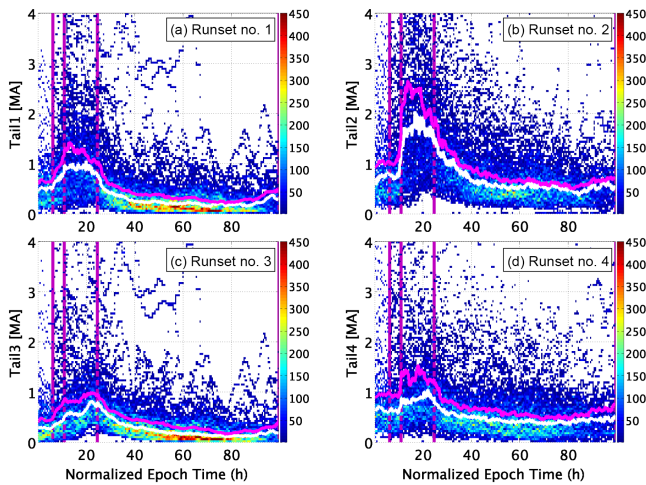
**Figure 6.** Normalized-timeline superposed epoch analysis of current within the HEIDI simulation domain classified as partial ring current, for the four runsets. The color shows the number of values in each 30 min by 0.05 MA bin. The white curve is the median and the purple curve is the mean of the superposed currents and the four vertical purple lines are the epoch time markers used for normalization and/or reference.



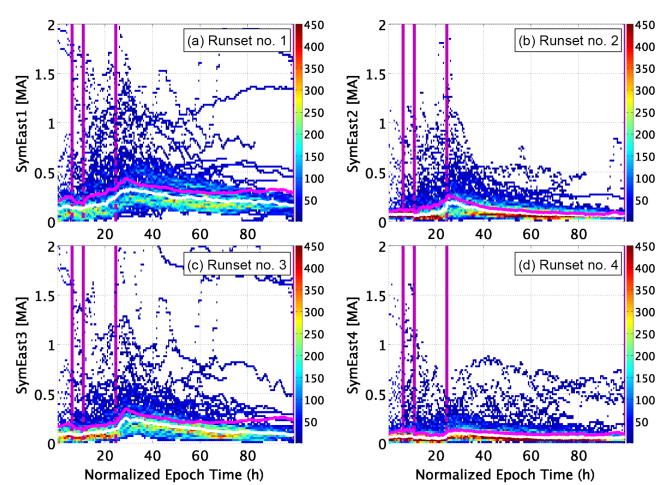
**Figure 7.** Normalized-timeline superposed epoch analysis of current in the HEIDI simulation domain classified as banana current, for the four runsets. The format is the same as Fig. 6.



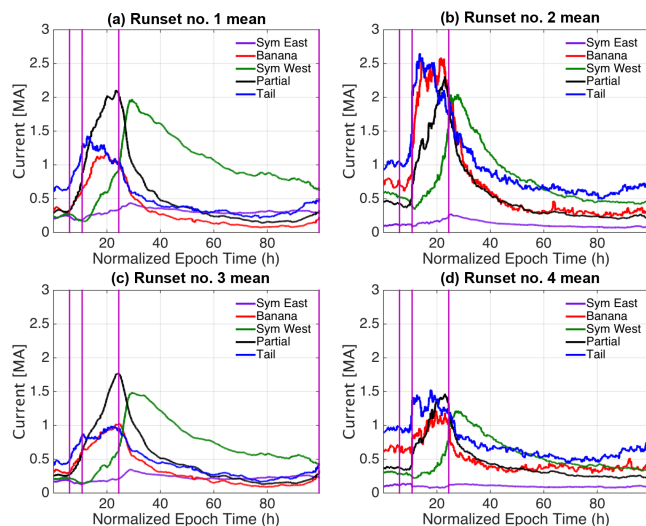
**Figure 9.** Normalized-timeline superposed epoch analysis of current designated westward symmetric ring current inside of HEIDI from the four runsets. The format is the same as Fig. 6.



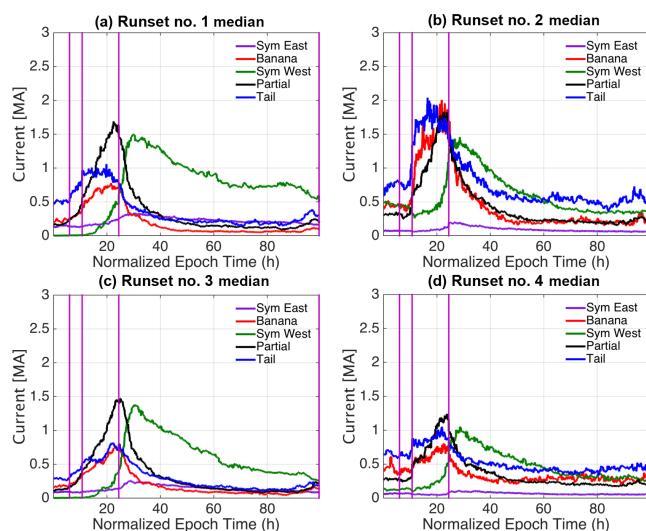
**Figure 8.** Normalized-timeline superposed epoch analysis of current designated as tail current inside of the HEIDI simulation domain for the four runsets. The format is the same as Fig. 6.



**Figure 10.** Normalized-timeline superposed epoch analysis of current designated eastward symmetric ring current inside of HEIDI from the four runsets. The format is the same as Fig. 6.



**Figure 11.** Normalized-timeline superposed epoch analysis showing the mean values of all current systems from HEIDI for the four runsets.



**Figure 12.** Normalized-timeline superposed epoch analysis showing the median values of all current systems from HEIDI for the four runsets.