The scales on the images of the current density in the original version of the paper were missing a factor of c. The estimated value for the effective diffusivity needs to be corrected by a factor of 4π and should be replaced by $\eta_{\text{eff}} = 1.6 \times 10^{11} \text{ cm}^2 \text{ s}^{-1}$. Finally, the units on the y-axis of Fig. 16 should have been DN pix$^{-1}$ s$^{-1}$ instead of DN pix s. The new versions of the figures presented here have been corrected. These corrections do not affect the conclusions of the original paper.

**Fig. 10.** Cut through the loop at the apex (cross section perpendicular to the loop axis). (a) Temperature; (b) electron density; (c) magnitude of the velocity perpendicular to the loop axis; (d) emission in the 211 Å channel of AIA; (e) axial component of the velocity; (f) axial component of the Poynting flux; (g) axial component of the current density; and (h) emission as seen with the Al-poly filter of XRT. The black arrows illustrate the horizontal velocity field. The yellow box highlights the location of a vortex with enhanced temperature and density. The snapshot was taken at $t = 41.02$ min.
Fig. 13. Cut through the loop at the apex (cross section perpendicular to the loop axis). (a) Temperature; (b) sum of viscous and resistive heating; (c) squared current density; and (d) 2D histogram of the total numerical heating rate vs. the squared current density.

Fig. 14. 2D histograms of the temperature, total heating, squared current density, and X-ray emission at the apex vs. the velocity perpendicular to the loop axis. The X-ray emission has been computed to correspond to what XRT on Hinode would measure. The quantities have been averaged over a time range of 15 minutes.