scientific reports

Published online: 03 October 2022

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OPEN Author Correction: Direct observations of pure electron outflow in magnetic reconnection

K. Sakai, T. Moritaka, T. Morita, K. Tomita, T. Minami, T. Nishimoto, S. Egashira, M. Ota, Y. Sakawa, N. Ozaki, R. Kodama, T. Kojima, T. Takezaki, R. Yamazaki, S. J. Tanaka, K. Aihara, M. Koenig, B. Albertazzi, P. Mabey, N. Woolsey, S. Matsukiyo, H. Takabe, M. Hoshino & Y. Kuramitsu

Correction to: Scientific Reports https://doi.org/10.1038/s41598-022-14582-3, published online 30 June 2022

In the original version of this Article, Y. Kuramitsu was omitted as a corresponding author. Correspondence and requests for materials should also be addressed to kuramitsu@eei.eng.osaka-u.ac.jp.

In addition, the original version of this Article contained errors in the main text.

"The estimates use fits to the CTS spectra to infer ionization states of +1 for proton and +3 for carbon, typical flow velocities of 100 km/s, the electron temperature of 10 eV, and the ion temperature of 50 eV, the initial-attarget magnetic field of 3 kG, and the lowest electron density of $e17 \text{ cm}^{-3}$."

now reads:

"The estimates use fits to the CTS spectra to infer ionization states of +1 for proton and +3 for carbon, typical flow velocities of 100 km/s, the electron temperature of 10 eV, and the ion temperature of 50 eV, the initial-attarget magnetic field of 3 kG, and the lowest electron density of 10^{17} cm⁻³."

And,

 $r_{ge}\sim 36\,\mu{
m m}$ and $\sigma_e\sim 0.22$ for electron, $r_{gp}\sim 4.9\,{
m mm}$ and $\sigma_p\sim 8.7e-2$ for proton, and $r_{gc}\,14\,{
m mm}$ and $\sigma_c \sim 1.3e - 2$ for carbon.

now reads:

 $r_{ge} \sim 36 \,\mu$ m and $\sigma_e \sim 0.22$ for electron, $r_{gp} \sim 4.9 \,\text{mm}$ and $\sigma_p \sim 8.7 \times 10^{-2}$ for proton, and $r_{gc} \,14 \,\text{mm}$ and $\sigma_c \sim 1.3 \times 10^{-2}$ for carbon.

The original Article has been corrected.

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