**Correction2: Page 1, the last sentence of the abstract.** “The FY-3D fire dataset can be downloadedat http://satellite.nsmc.org.cn/portalsite/default.aspx (NSMC, 2021).” is revised as “The FY-3D fire dataset can be downloaded at http://satellite.nsmc.org.cn/portalsite/default.aspx (NSMC, 2021), or at http://figshare.com with the identifier doi: “https://doi.org/10.6084/m9.figshare.20102210 (Chen et al., 2022).”.

**Correction3: Page 18, Line 33.** Add “Chen, J., Yao, Q., Chen, Z., Li, M., Hao, Z., Liu, C., Zheng, W., Xu, M., Chen, X., Yang, J., Lv, Q., and Gao, B.: FY-3D Global Active Fire Product, https://doi.org/10.6084/M9.FIGSHARE.20102210, 2022.”

**Correction5: Page 2, Line 104, TS7.** “http://satellite.nsmc.org.cn/portalsite/default.aspx)” is revised as “http://satellite.nsmc.org.cn/portalsite/default.aspx, last access 10 January 2021 or at http://figshare.com with the identifier https://doi.org/10.6084/m9.figshare.20102210)”.

**Correction7: Page 3, Line 78, TS10.** “$ε=1.σ$” is revised as “$ε=1.0$”.

**Correction17: Page 8, Line 40-41.** Lowercase “k” is revised as uppercase “K”.

**Correction18: Page 9, Line 11.** “$S\_{i}$” is revised as “$ΔS\_{i}$”.

**Correction23: Page 17, Line 65-68.** “For the convenience of data checking and trial experiments, a test account is provided with the account name “1256931756@qq.com” and password “yangjing1211”.” is revised as “FY-3D fire products are also available at http://figshare.com with the identifier https://doi.org/10.6084/m9.figshare.20102210 (Chen et al., 2022).”.