Erratum: Estimates for secondary electron emission and desorption yields in grazing collisions of gold ions with beam pipes in the BNL Relativistic Heavy Ion Collider: Proposed mitigation [Phys. Rev. ST Accel. Beams 7, 093201 (2004)]

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We are grateful to Edgar Mahner for pointing out that desorption yield information we obtained from Refs. [10] and [11] of the original paper was quoted incorrectly. Regarding charge-state dependence, the value relevant to our work is a factor of ~ 3 desorption yield increase between charge state $27+$ and $53+$ for 4.2 MeV/amu lead ions at near grazing incidence on stainless steel. For the desorption they measured with 158 GeV/amu In $49+$ incident on stainless steel at 35 mrad, the correct yield is 4×10^4 molecules per ion. Thus, our very rough 1 mrad desorption yield estimate for 10 GeV/amu Au $79+$ incident on stainless steel with the surface roughness of the RHIC beam pipes is reduced from $\sim 10^7$ to $\sim 2 \times 10^6$. Most of the paper deals with secondary electron yields, and none of the other estimates or conclusions are affected.