

**ERRATUM: “LONG-TERM X-RAY VARIABILITIES OF SEYFERT GALAXY
MCG-2-58-22: GRADUAL DECREAS AND FLARES” (JKAS, 35, 1, [2002])**

CHUL-SUNG CHOI¹, TADAYASU DOTANI², HEON-YOUNG CHANG³, AND INSU YI³

¹ Korea Astronomy Observatory, Taejon 305-348, Korea; cschoi@kao.re.kr.

² Institute of Space and Astronautical Science, 3-1-1 Yoshinodai, Sagami-hara,
Kanagawa 229-8510, Japan; dotani@astro.isas.ac.jp.

³ Korea Institute for Advanced Study, Seoul 130-012, Korea; hyc@kias.re.kr and iyi@kias.re.kr.

(Received April 2, 2003; Accepted April 9, 2003)

Proof correction to the equation in the third paragraph of the DISCUSSION AND CONCLUSION has not been carried faithfully to the published version of the paper. The corrected equation should read $\approx 10^{-3} M_8^{4/3} (N_*/10^6 \text{ pc}^{-3}) (\sigma/300 \text{ km s}^{-1})^{-1} (r/r_t) \text{ yr}^{-1}$, where M_8 is the mass of the SMBH in units of $10^8 M_\odot$, σ is the virial velocity of the stars, r_t is the tidal radius of the SMBH.

This estimates the frequency that a star would pass within a sphere with the radius r from the SMBH, rather than the frequency of the tidal disruption event. Therefore, it increases with the mass of the SMBH. However, the loss cone effect should also be taken into account, which reduces the actual event rate. Here, we adopted a factor of one hundred to consider the deficiency from the isotropic rate.

The authors sincerely regret this error.