Astrophysics and Space Science (2022) 367:82
https://doi.org/10.1007/s10509-022-04117-7

CORRECTION

Correction to: Calibration and parameter corrections for the new generation of the TSI monitor on the FY-3E satellite

Baoqi Song[1,2] · Wolfgang Finsterle[3] · Xin Ye[1] · Dongjun Yang[1] · Ruidong Jia[1] · Wei Fang[1]

Published online: 26 August 2022

Correction to: Astrophys Space Sci (2021) 366:27
https://doi.org/10.1007/s10509-021-03932-8

Figures 4 and 5 in Section 3.1 of the original publication showed the result of measuring the air to vacuum ratio of the instrument. The result is based on the measured irradiance value in vacuum and the ambient irradiance. The original Figs. 4 and 5 directly list the daily statistical results of the air to vacuum measurement ratio and the measurement ratio of the two channels.

It was pointed out to us, though, that the solar irradiance measure of the instrument in vacuum and under ambient conditions should rather be provided and that listing the ratio is not sufficient. Also, the timing of when the curves measured is different from that of the actual measurement.

Upon checking the data we found that the final results in Table 1 are correct but the represented curves in Figs. 4 and 5 as originally published are not and could easily mislead a reader. We therefore provided new Figs. 4 and 5. As of the publication date of this Erratum, the old figures have been replaced by these new figures and their associated modified figure captions.

Acknowledgements The authors express their thanks to Drs Wang Yupeng, Wang Kai and Luo Zhitao for bringing the above to their attention.

The original article can be found online at https://doi.org/10.1007/s10509-021-03932-8

✉ B. Song

[1] Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, Changchun 130033, China

[2] University of Chinese Academy of Sciences, Beijing 100059, China

[3] PMOD/WRC, Dorfstrasse 33, 7260 Davos Dorf, Switzerland