Dear Editor,

We sincerely thank you and the reviewer for the careful evaluation of our manuscript entitled "Near Real-Time Estimation of Daytime and Nighttime Evapotranspiration Using GOES-R Observations and Machine Learning Models" (MS No.: egusphere-2025-4400).

We appreciate the reviewer's careful reading of the manuscript and the technical comment regarding the units shown in the figure axes.

After carefully checking the manuscript, we confirm that the units are correct as presented. The evapotranspiration values were derived from latent heat flux (LE) measurements collected by the eddy covariance towers, which are available at a native half-hourly temporal resolution. Using the FAO-56 conversion (Allen et al., 1998), LE was converted to evapotranspiration expressed in millimeters per half-hour (mm hh^{-1}). Therefore, the figure labels correctly reflect the temporal resolution of the target variable used for model training and validation. We made this point clear in the figures caption to avoid any confusions.

We have provided a detailed response below for clarity.

We thank the reviewer and the editorial team for their careful attention to the manuscript.

Sincerely,
Sadegh Ranjbar
(on behalf of all co-authors)

RC1

Comment:

Technical correction: check the units visible in the figure axes for ET: $mm.hh^{-1} \rightarrow mm.h^{-1}$?

Response: Thank you for carefully checking the figure labels.

After re-examining the manuscript, we confirm that the units shown in the figures are correct and therefore no change has been made.

The ET values used throughout this study were derived from latent heat flux (LE) measurements collected by the eddy covariance towers (Section 2.1. Tower observations and ET calculations). Because the tower observations are provided at their native half-hourly temporal resolution, LE was converted to ET using Eq. (1) following Allen et al. (1998). Consequently, the resulting ET values are expressed in millimeters per half-hour ($mm\ hh^{-1}$).

Therefore, the figure axis labels correctly represent the temporal resolution of the observations used for model training, validation, and testing.

We made this point clear in the figures captions to avoid any confusions.