**Appendices**



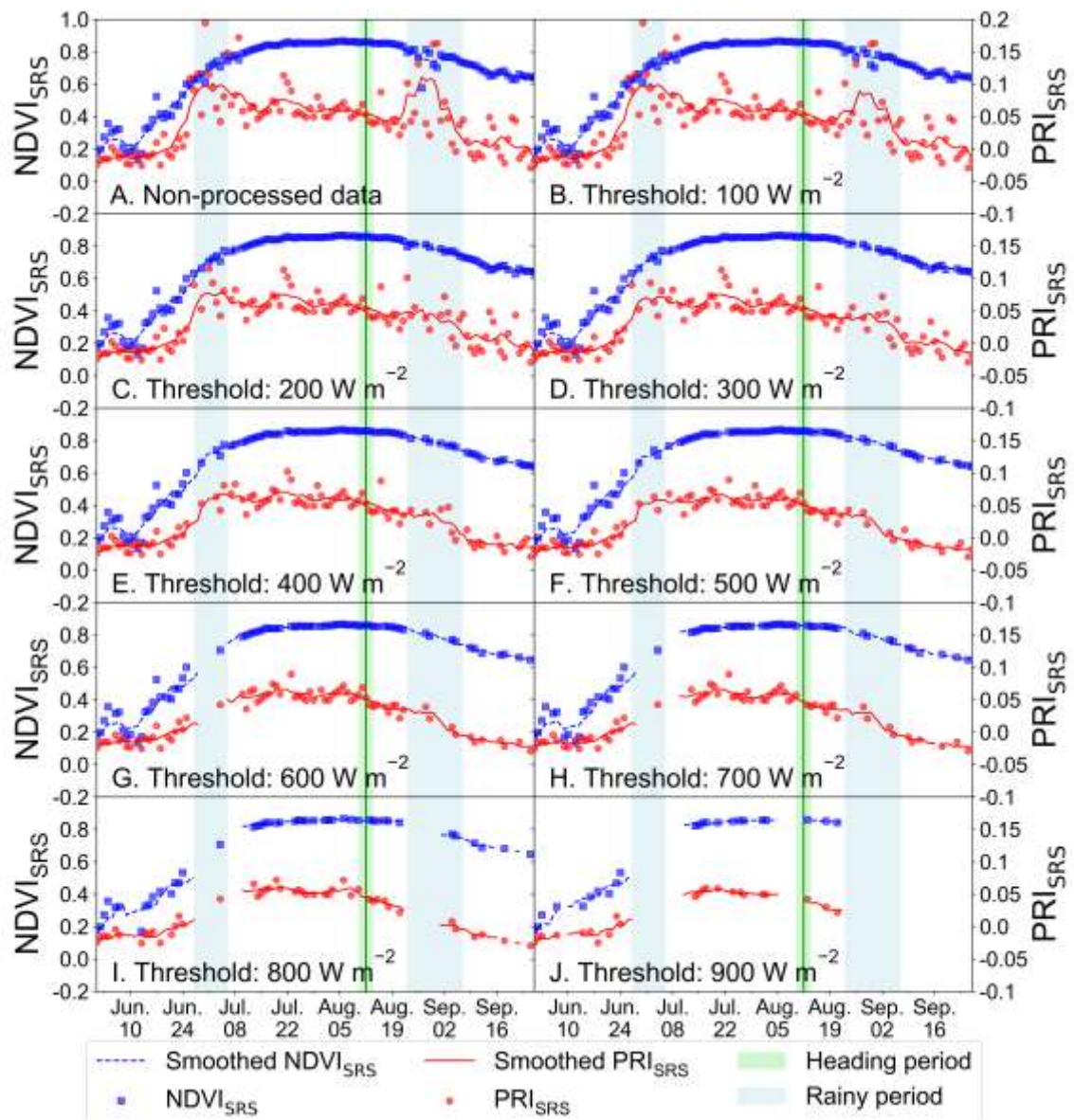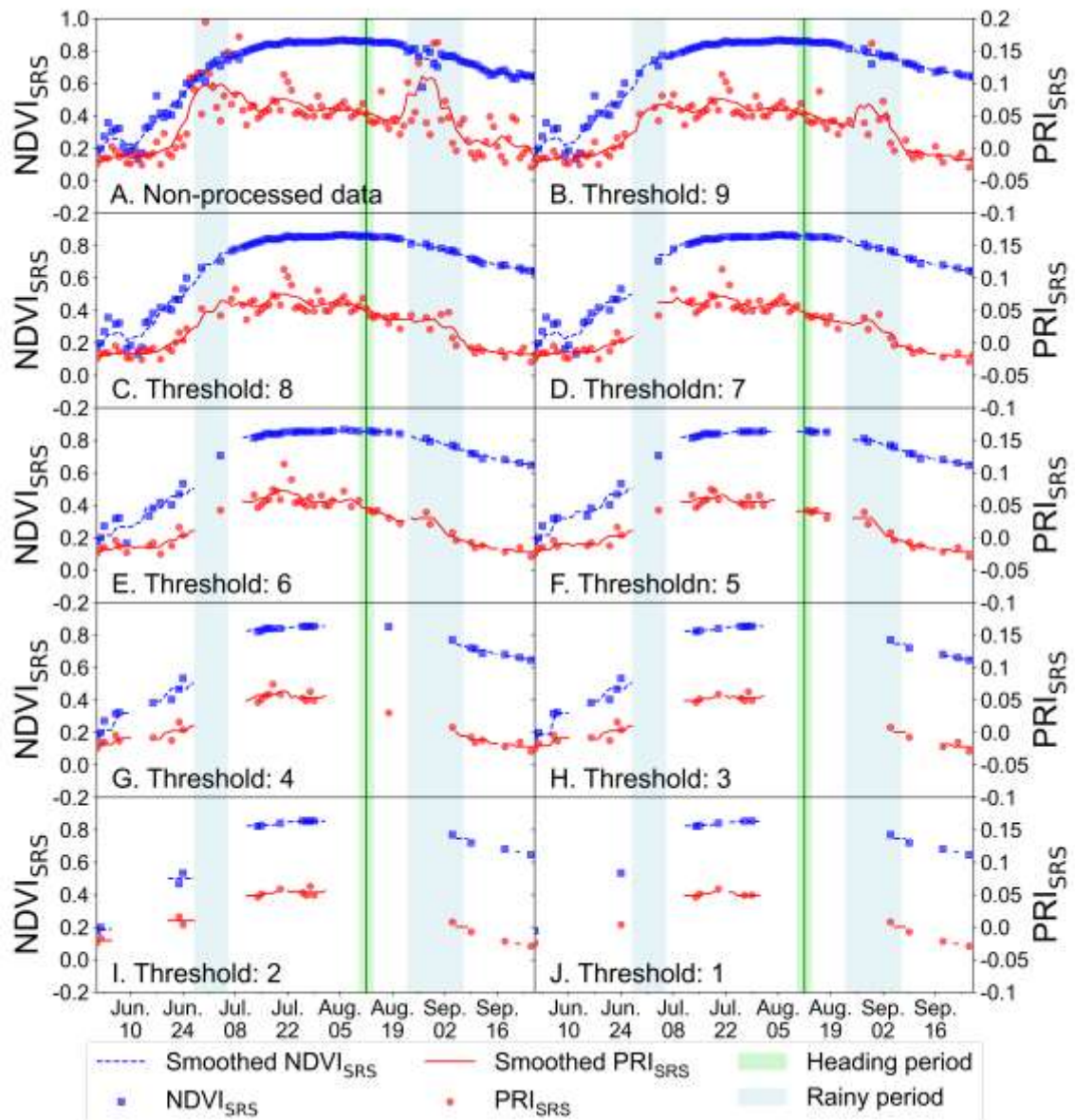**Appendix A.** Time series of PRI$_{SRS}$ and NDVI$_{SRS}$ that were processed depending on threshold of insolation. The threshold values of mean insolation from 11:00 to 14:00 local times were changed every 100 W m$^{-2}$ from 100 W m$^{-2}$ to 900 W m$^{-2}$. In Figure A1, the same data (Paddy rice in 2018) with Fig. 7 were used to compare the effects of threshold value on each meteorological variable. The distorted values of PRI$_{SRS}$ and NDVI$_{SRS}$ were excluded under the high insolation. NDVI, normalized difference vegetation index; PRI, photochemical reflectance index; SRS, spectral reflectance sensor.

**Appendix B** Time series of $PRI_{SRS}$ and $NDVI_{SRS}$ that were processed depending on threshold of cloudiness. The threshold values of mean cloudiness from 11:00 to 14:00 local times were changed every 1 from 1 to 9. In Appendix B, the same data (Paddy rice in 2018) with Fig. 7 and Appendix A were used. The distorted values of $PRI_{SRS}$ and $NDVI_{SRS}$ were excluded under the low cloudiness conditions. NDVI, normalized difference vegetation index; PRI, photochemical reflectance index; SRS, spectral reflectance sensor.