Figure S1. The ratios between surface NO2 concentrations of chemiluminescence to photolytic instruments. The ratios are calculated for each month from 7 sites with coincident photolytic measurements.
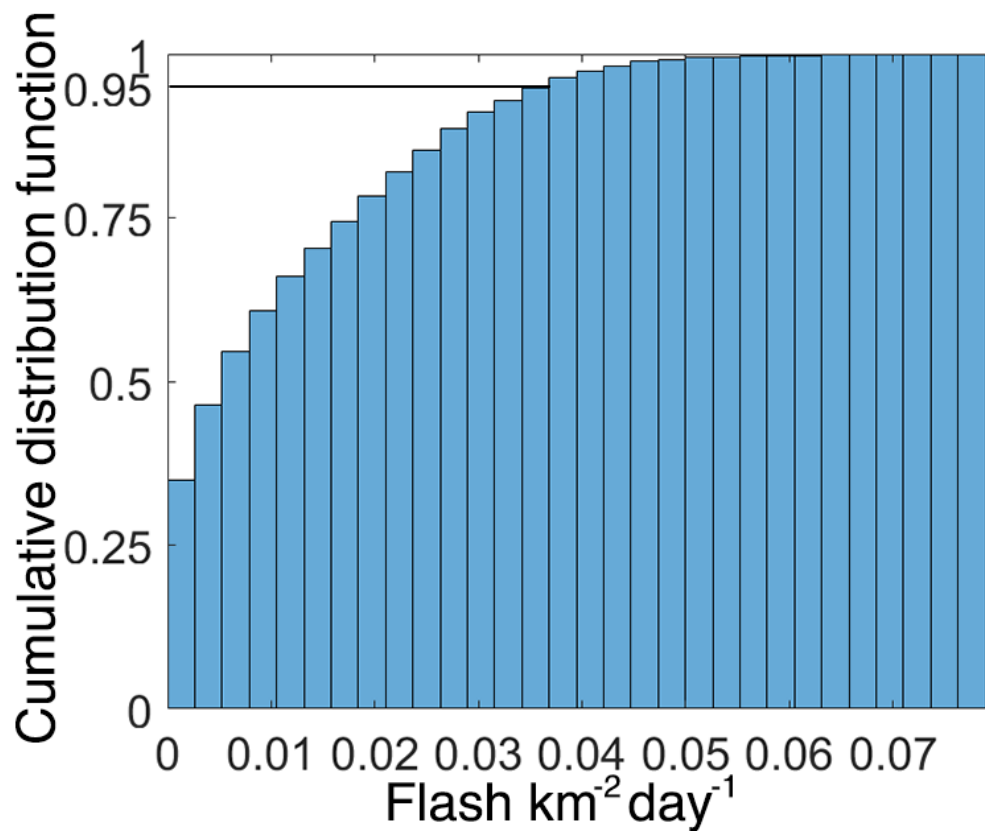
Figure S2. The cumulative distribution function of NLDN detected CG lightning density in the South.