The data file "Brightness_data.Rdata" contains a list pixel_wise_brightness_data that consists of two components:

1. The first component is a 2560000×2 location matrix with its rows representing coordinates of the pixel centers from the study area described in Section 7.2 of the manuscript. The coordinates are given in terms of the Albers Equal Area Conic projection with origin at 23°N and 96°W.

2. The second component contains the spatiotemporal data in form of a 2560000×120 matrix where first and second dimensions correspond to pixels and time points (months), respectively. The occurrences of NaN within this matrix indicate missing data at those space-time combinations.