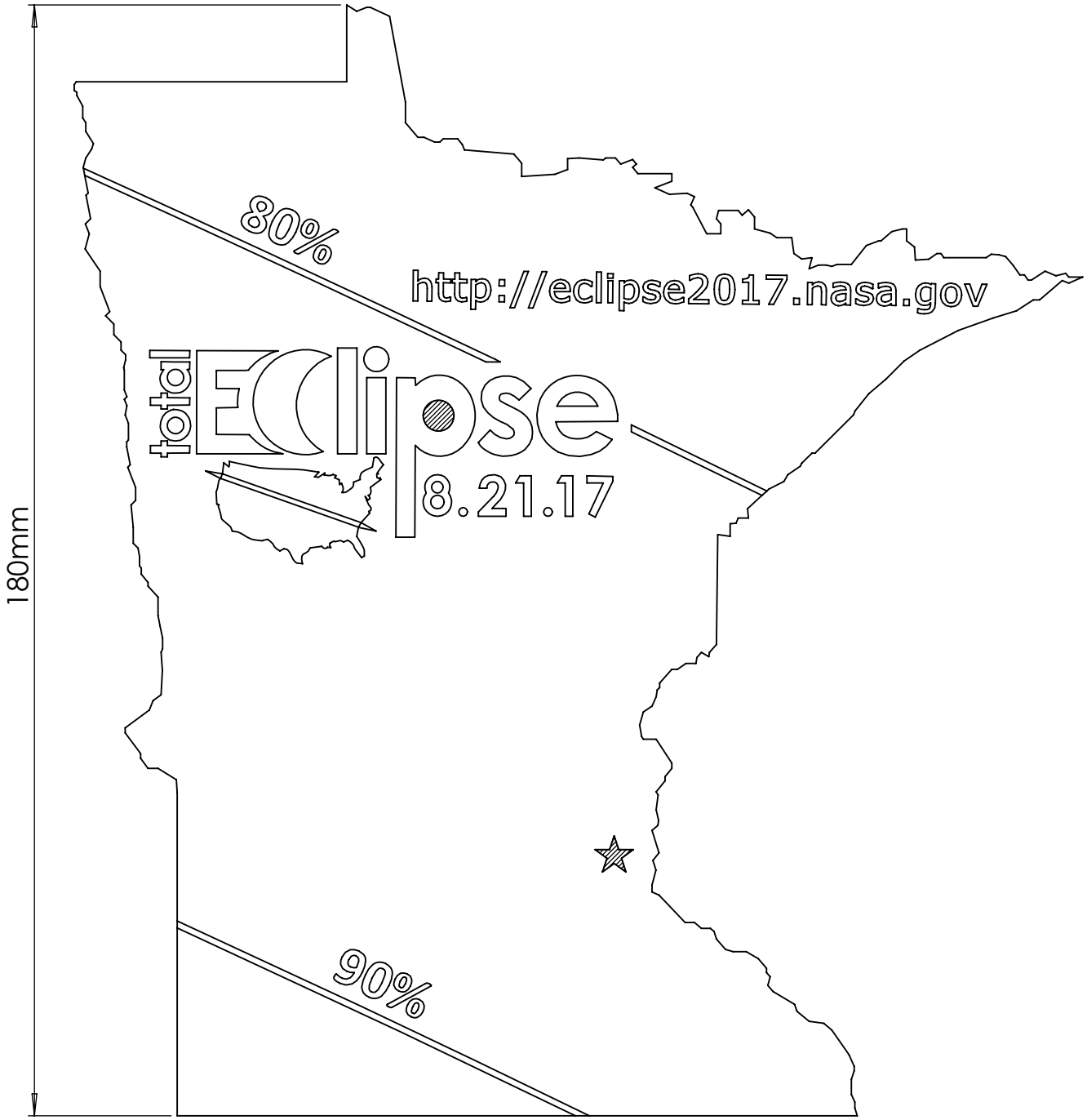
180mm
80%
http://eclipse2017.nasa.gov
total Eclipse
8.21.17
90%