Annual Maps of Eastern Redcedar Forests in Oklahoma during 1984-2010 at 30-m Resolution from Landsat and PALSAR Images

Summary
Woody plant encroachment in grasslands has been rapidly increasing in Oklahoma. The researchers at the Earth Observation and Modeling Facility, University of Oklahoma carried out a pilot project to map and report the dynamics of eastern redcedar forest encroachment at 5-year interval (epoch) from 1984 to 2010 in Oklahoma.

Data and Methods
We use images from PASAR at 25-m spatial resolution in 2010 and Landsat TM and ETM+ at 30-m spatial resolution during 1984-2010. Detailed information on the eastern redcedar forest mapping algorithm and annual maps of eastern redcedar forests are reported in Wang et al., (2017).

Provisional Data Product for Eastern RedCedar Forests during 1984 - 2010
Figure 1 shows the spatial-temporal dynamics of eastern redcedar forests in Landsat P28/R35 tile

Reference

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