

McDonald Observatory's Strategy with the Oil & Gas Industry

On behalf of Bill Wren
(Special Assistant to the Director)
and Craig Nance (Observatory
Superintendent)



Bill Wren at McDonald Observatory



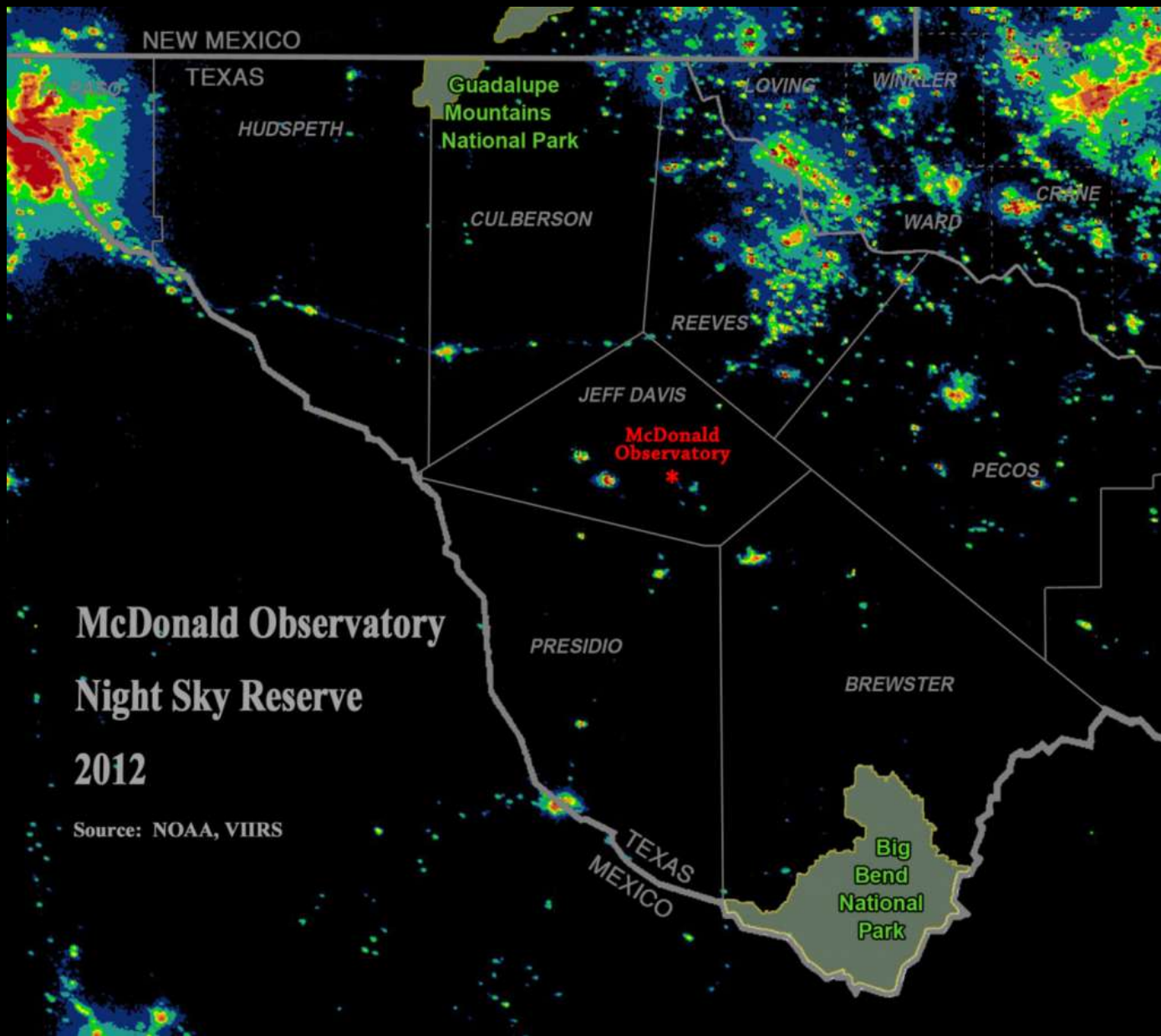
McDonald Observatory



McDonald Observatory at Night

- *Located in the Davis Mountains of Far West Texas: a very dark continental site in the southwest United States at 2,040m elevation*

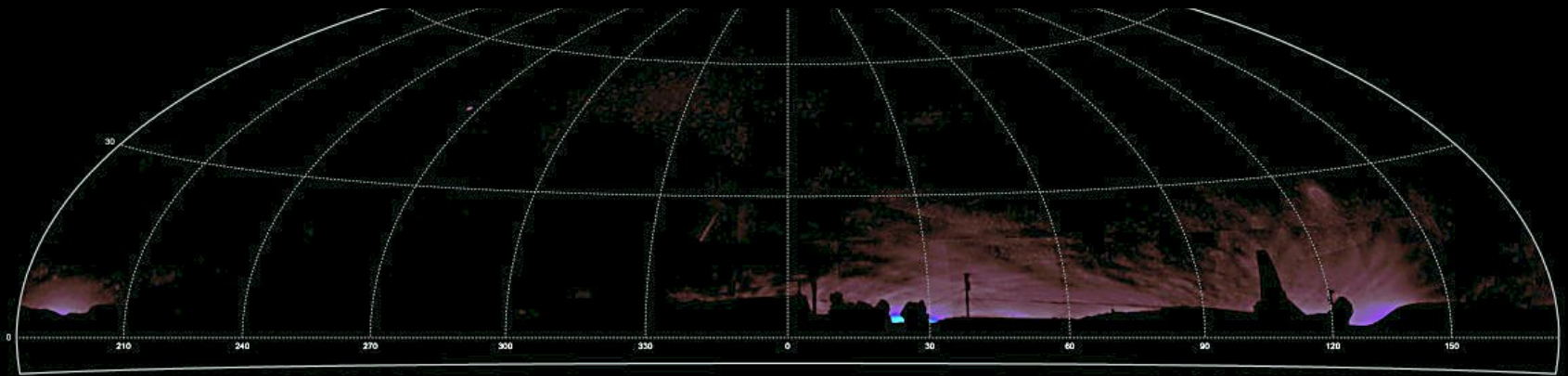




Night Sky at McDonald



Growth in NSB from a Ranch 10 mi SE



U.S. National Park Service
Night Skies Program

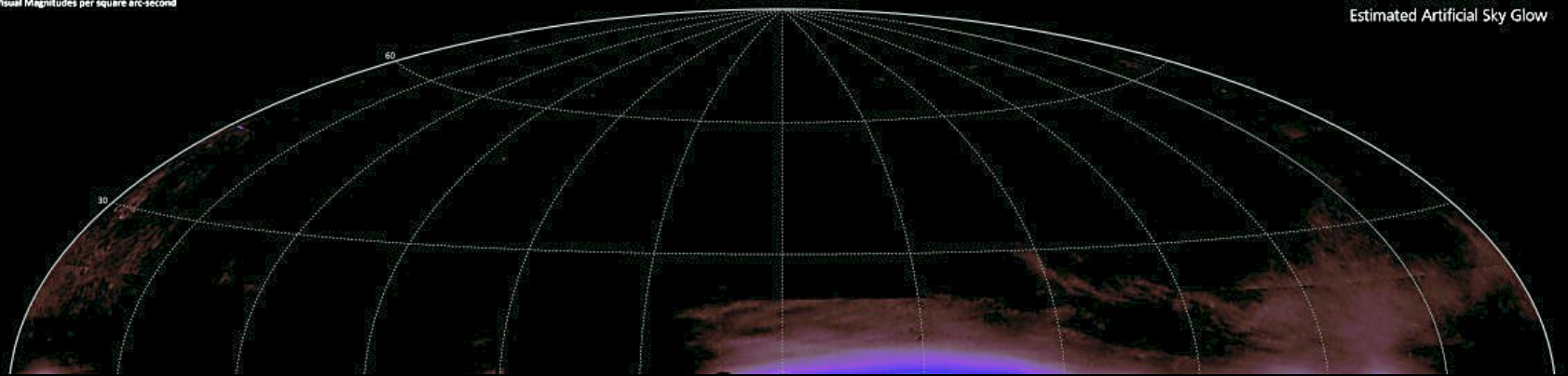
Data collected by: C Moore
Data processed by: B Meadows

Hammer-Aitoff Equal Area Projection



Prude Ranch NHS PR Observatory August 6, 2015 21.6 hours LMT

Estimated Artificial Sky Glow

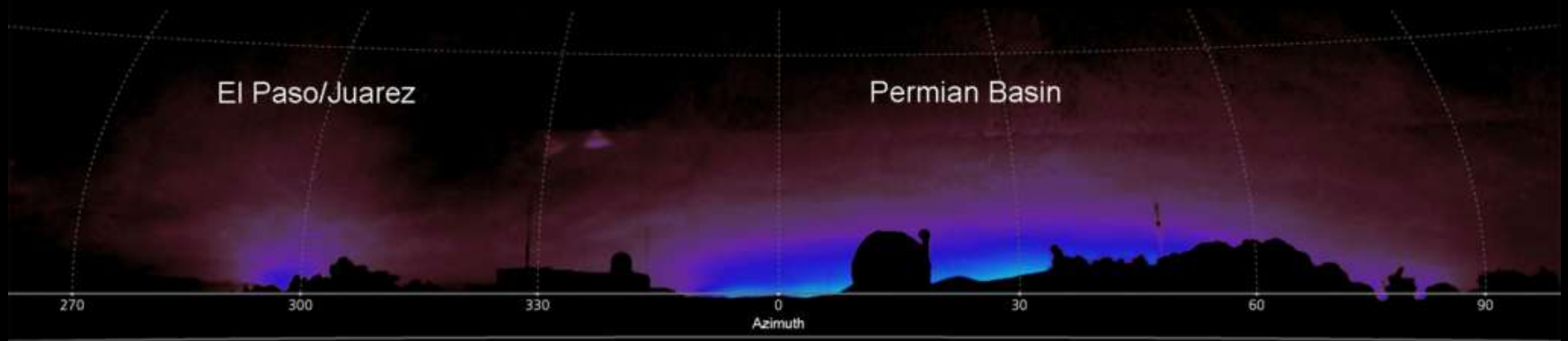


ERSNA Light Pollution Study McDonald Observatory Survey



In August 2015, Bill Wren from McDonald Observatory took measurements from the top of Enchanted Rock using equipment from the National Park Service to establish a baseline for light pollution from anthropogenic sources.

Light Pollution on the Horizon from Rigs



U.S. National Park Service
Night Skies Program

McDonald Observatory
August 5, 2015 20.6 hours LMT

Data collected by: B Wren
Data processed by: D Duriscoe

UT Arlington & Apache Corp. partner on water study



McDonald Observatory

The McDonald Observatory hopes to keep the West Texas skies dark. In the last five years, more than 5,000 drilling permits have been issued in nearby Reeves, Culberson and Pecos counties.











May Your Hard Work Pay Off, Bill!

