

Referee report for gmd-2014-8: Development of a semi-parametric PAR partitioning model for the Contiguous United States.

I was the original Referee #1 who reviewed the first submission of this paper. Most of my concerns have been addressed, where a complete re-analysis of an expanded dataset has been performed allowing the derivation of seasonally dependent co-efficients for use in the PAR parameterization and an additional figure included showing the distribution of the measurement sites exploited for the derivation of the approach. I feel there has been significant improvement to the manuscript compared to the original format. Therefore I think that the paper can be published, after the title has been changed to provide the full acronym for PAR as requested by Referee #2 and answered in the authors response.