Interactive comment on "Gridded Satellite (GridSat) GOES and CONUS data" *by* Kenneth R. Knapp and Scott L. Wilkins

Anonymous Referee #2

Review of "Gridded Satellite (GridSat) GOES and CONUS data" Authors: Knapp and Wilkins Recommendation: Accept with minor revisions.

This paper describes a GOES-East and –West gridded satellite radiance product from NCEI which significantly increases availability and usefulness of this data (spanning 1994 – 2016). Historically, this data has been difficult to use in raw format and had a data volume which prohibits most scientific users. The authors have created a standardized product for both full disk and CONUS sectors, and included important metadata. Lead author Knapp has a proven record of rescuing geostationary data and making it easier to use for the community. This work represents another solid contribution. I found the paper to be well done and clearly presented with little need for revision, and recommend it for publication with just very minor revisions.

Specific comments: P2 L8: "from the archive" should be "from the NCEI archive"

P3 L14: "Next, simplified the scan times were selected". Fix grammar.

P3 L17: Once navigated.

P3 L24: It would be interesting for the authors to add some reason for why so many duplicate files, but not essential.

P4 L 4: Should be 120 images or sectors per day, not scans which also has the meaning of a scan line.

P4 L14: Was pleased to see the inclusion of delta_time for users which require this precision.

P5: Good job to include the list of future improvements.

Figure 1: List which channels are shown.

Table 2: Add a reference or be more specific for "Globally Merged IR", sounds too generic.

Table 3: Does this number of files mean all sectors? Please specify.