

## Products:

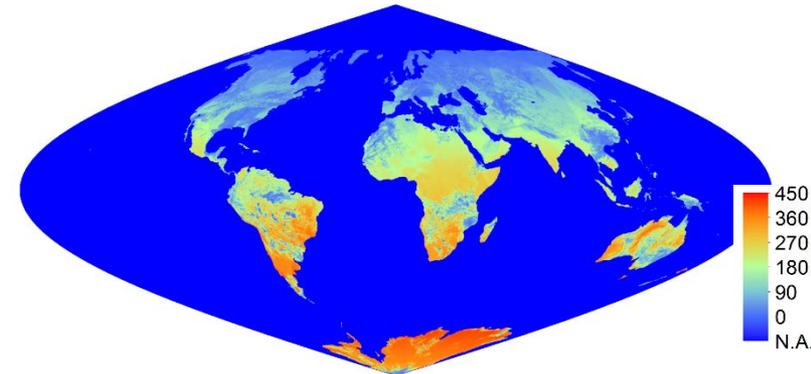
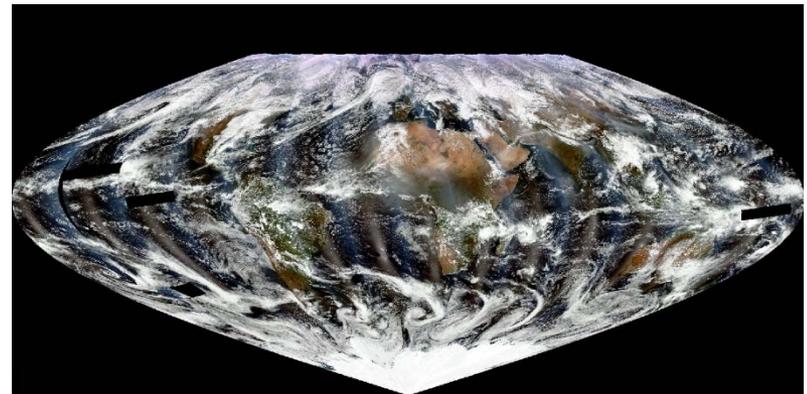
- SNPP/VIIRS Daily L3 1km DSR SIN Grid
- SNPP/VIIRS Daily L3 1km PAR SIN Grid
- Initially planned as intermediate input to MCD18
  - To improve temporal observation frequency
- Possibility of being released as independent products
  - Based on validation results

## Status and Updates:

- Operational production codes delivered in May 2020
- Extensive assessment of VIIRS results underway
- Documentation updates

## Recent Publications:

- Wang, D., Liang, S., Zhang, Y., Gao, X., Brown, M., & Jia, A. (2020). A new set of MODIS land products (MCD18): downward shortwave radiation and photosynthetically active radiation. *Remote Sensing*, 12,168
- Brown, M., Skakun, S., He, T. & Liang, S. (2020). Intercomparison of machine-learning methods for estimating surface shortwave and photosynthetically active radiation. *Remote Sensing*, 12, 372
- Huang, G., Li, Z., Li, X., Liang, S., Yang, K., Wang, D., & Zhang, Y. (2019). Estimating surface solar irradiance from satellites: Past, present, and future perspectives. *Remote Sensing of Environment*, 233, 111371



**Figure.** Global color-composite image (top) observed by SNPP/VIIRS on Jan. 11 2015 and the retrieved daily mean map (bottom) of land surface downward shortwave radiation from the VIIRS data.