Fair Use of NOAA's CDR Data Sets, Algorithms and Documentation:

The development of a Climate Data Record (CDR) - including computer algorithms, data sets and documentation - is typically a painstaking process involving multiple scientists working over many years. These scientists rely on the fair use and proper acknowledgment of the CDR to sustain their professional reputations and careers.

The National Academy of Sciences has issued guidance for credit allocation in scientific work [1]. The CDR Program urges anyone using a NOAA CDR to honor this guidance by properly recognizing the CDR scientist and CDR Program following the acknowledgement and citation examples below. In cases where a NOAA CDR becomes a fundamental part of a study, publication, presentation or proposal, the CDR Program encourages users to offer coauthorship status to the original CDR developers. If the data are used we encourage the use of the data citation to ensure data provenance and attribution [2].

Acknowledgement Example: The Leaf Area Index and Fraction of Absorbed Photosynthetically Active Radiation (LAI-FAPAR) CDR used in this study was acquired from NOAA's National Centers for Environmental Information (http://www.ncei.noaa.gov). This CDR was originally developed by Eric Vermote and colleagues at NASA through support from NOAA's CDR Program.

Literature Citation Example for AVHRR and VIIRS: Claverie, M., Matthews, J., Vermote, E., Justice, C.,: A 30+ Year AVHRR LAI and FAPAR Climate Data Record: Algorithm Description and Validation. Remote Sensing, Vol 8, Issue 3: 263, 2016.

Data Citation Example for AVHRR: Martin Claverie, Eric Vermote, Chris Justice, Ivan Csiszar, Jeff Eidenshink, Ranga Myneni, Frederic Baret, Ed Masuoka, Robert Wolfe and NOAA CDR Program (2018): NOAA Climate Data Record (CDR) of Leaf Area Index and Fraction of Absorbed Photosynthetically Active Radiation (LAI/FAPAR), Version 5. [indicate subset used]. NOAA National Centers for Environmental Information. https://doi.org/10.7289/V5TT4P69 [access date]

Data Citation Example for VIIRS: Martin Claverie, Eric Vermote, Chris Justice, Ivan Csiszar, Ranga Myneni, Frederic Baret, Ed Masuoka, Robert Wolfe, James P. Ray and NOAA CDR Program (2018):.NOAA Climate Data Record (CDR) of Leaf Area Index and Fraction of Absorbed Photosynthetically Active Radiation (LAI/FAPAR), Version 1.0. [indicate subset used]. NOAA National Centers for Environmental Information. https://doi.org/10.25921/9x3m-0e02 [access date]

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- [1] On Being a Scientist: A Guide to Responsible Conduct in Research: 3rd Edition (2009), Committee on Science, Engineering, and Public Policy, National Academy of Sciences, National Academy of Engineering, and Institute of Medicine, 82 pages, ISBN-10: 0-309-11970-7. Available for download at: http://www.nap.edu/catalog.php?record id=12192.
- [2] Ruth E. Duerr, Robert R. Downs, Curt Tilmes, Bruce Barkstrom, W. Christopher Lenhardt, Joseph Glassy, Luis E. Bermudez and Peter Slaughter. On the utility of identification schemes for digital earth science data: an assessment and recommendations, Earth Science Informatics, Vol. 4, Num. 3, 139-160, 2011, doi:10.1007/s12145-011-0083-6.
- [3] http://www.whitehouse.gov/sites/default/files/omb/memoranda/2013/m-13-13.pdf
- [4] http://www.whitehouse.gov/the-press-office/2013/05/09/executive-order-making-open-and-machine -readable-new-default-government-
- [5] http://www.ncdc.noaa.gov/cdr/operationalcdrs.html