

Dataset Title - NOAA/GML RadSys RadFlux Analysis Products (Radiation and Cloud), PRW Prentice Site

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Time of Interest - 2019/06/29 00:00:00 UTC to 2019/10/22 16:03:00 UTC

Area of Interest - PRW Site; 45.593, -90.281, 477m ASL

Data Frequency - 1 minute

Data Spatial Type - point

General Dataset Description - Surface radiation, global, direct, and diffuse shortwave, longwave, clear-sky shortwave and longwave, cloud fraction, and meteorological parameters from RadFlux Analysis; See file RadFlux_ReadMe.txt

File Names - List names of files

radflux_noaa-gml_che-prw_20190628.lw1
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radflux_noaa-gml_che-prw_20191020.lw1

Data restrictions - Please contact author(s). Please see the [CHEESEHEAD Data Policy](#).

Digital Object Identifier (DOI) - <https://doi.org/10.26023/76TC-GYJV-DT06>

GCMD Keywords - shortwave radiation, longwave radiation, cloud fraction, surface temperature, relative humidity

Publications (Optional) -

RadFlux_ReadMe.txt

Augustine, J. A., J. J. DeLuisi, and C. N. Long (2000), SURFRAD—A national surface radiation budget network for atmospheric research, *Bull. Am. Meteorol. Soc.*, 81, 2341–2357.

Dutton, E. G., J. J. Michalsky, T. Stoffel, B. W. Forgan, J. Hickey, D. W. Nelson, T. L. Alberta, and I. Reda, 2001: Measurement of broadband diffuse solar irradiance using current commercial instrumentation with a correction for thermal offset errors. *J. Atmos. and Ocean. Tech.*, 18(3), 297–314.

Long, C. N., and Y. Shi, (2008): An Automated Quality Assessment and Control Algorithm for Surface Radiation Measurements, *TOASJ*, 2, 23-37, doi: 10.2174/1874282300802010023.

Long, C. N. and Y. Shi, (2006): The QCRad Value Added Product: Surface Radiation Measurement Quality Control Testing, Including Climatologically Configurable Limits, Atmospheric Radiation Measurement Program Technical Report, ARM TR-074, 69 pp., Available via <http://www.arm.gov>.