Dataset Title - NOAA/GML RadSys RadFlux Analysis Products (Radiation and Cloud), ARV Lakeland 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 - ARV Site; 45.927, -89.730, 494m 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 -

radflux_noaa-gml_che-arv_20190628.lw1

radflux_noaa-gml_che-arv_20190629.lw1

radflux_noaa-gml_che-arv_20190630.lw1

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radflux_noaa-gml_che-arv_20191020.lw1

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

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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), 297ñ314.

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.