NOAA/GML SURFRAD RadFlux Analysis Products (Radiation and Cloud), ISS Site

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Time of Interest - Surface radiation budget, net radiation, global, direct, and diffuse shortwave, upwelling and downwelling longwave, clear-sky radiation variables, cloud fraction, transmissivity, and meteorological parameters from RadFlux Analysis; See file RadFlux_ReadMe.txt

Area of Interest - ISS Site; 45.9449; -90.29365

Data Frequency - 1 minute

Data Spatial Type - point

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

File Names - List names of files transferred.

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

Digital Object Identifier (DOI) - https://doi.org/10.26023/EPE7-FWXN-CD0M

GCMD Keywords - earth radiation budget, net radiation, shortwave radiation, longwave radiation, albedo, cloud fraction, photosynthetically active radiation, surface temperature, surface pressure, relative humidity, surface winds

Publications (Optional) –

RadFlux_ReadMe.txt

RadFlux_Uncert_Table.pdf

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.

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