**MERRA-2 Single-Level Diagnostics V5.12.4:**

**Strengths:**

* **Hourly data:** Offers the highest temporal resolution, ideal for analyzing short-term variations in solar potential.
* **Global coverage:** Provides data for any location on Earth.
* **Multiple parameters:** Includes GHI, DNI, and DHI, enabling comprehensive analysis.

<https://developers.google.com/earth-engine/datasets/catalog/NASA_GSFC_MERRA_slv_2>

<https://www.yellowhaze.in/solar-irradiance/>