

Data identification

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|----------------------------|---|
| Title | Longterm monthly average of diffuse horizontal irradiation in April – Maldives |
| Date | 2018-10 |
| Date type | Publication |
| Abstract | Longterm monthly average of daily totals of diffuse horizontal irradiation (DIF) in kWh/m ² , calculated for April and covering the years from 1999 to 2017 |
| Purpose | Complementary parameter to GHI and DNI |
| Unique resource identifier | ac1f64e0-0dda-6d64-cf41-3afd40c3f464 |
| Supplemental information | This data layer is an output from the solar resource mapping of Maldives. It has been delivered by Solargis for the Energy Sector Management Assistance Program (ESMAP), a global initiative in support of renewable energy resource mapping together with Asia Sustainable and Alternative Energy Program (ASTAE), both administered by The World Bank, under a global initiative on Renewable Energy Resource Mapping. The uncertainty of the solar resource data has been reduced by regional model adaptation based on ground measurements collected at four solar meteorological stations across Maldives, funded by The World Bank in years 2015 to 2018. |
| Keywords | Solar resource data, DIF, diffuse horizontal irradiation, Long-term average, Solargis, World Bank, ESMAP, Maldives |
| Legal constraints | Copyright: Solar resource data © 2018 Solargis. The data is published under a Creative Commons Attribution license (CC BY 3.0 IGO) |

1. Point of contact

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|-------------------|--------------------------|
| Organisation name | THE WORLD BANK |
| Email | oknight@worldbank.org |
| Website | www.esmap.org/RE_Mapping |
| Role | Owner |

2. Point of contact

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|-------------------|----------------------|
| Organisation name | Solargis |
| Email | company@solargis.com |
| Website | solargis.com |
| Role | Originator |

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|----------------|--------------------------------------|
| Topic category | Climatology, meteorology, atmosphere |
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Extent

Geographic bounding box

| | |
|-------------|------|
| West bound | 72.0 |
| East bound | 74.0 |
| South bound | -1.0 |
| North bound | 8.0 |

Spatial resolution

| | |
|----------|---------|
| Units | arc-sec |
| Distance | 9.0 |

Lineage

| | |
|-------------|--|
| Statement | Solar radiation data from satellite-based model developed by Solargis company |
| Description | Solar radiation data is derived by Solargis algorithms (v2.1) from satellite digital images and atmospheric datasets: Meteosat PRIME and IODC by Eumetsat; GOES-East and GOES-West by NOAA; MTSAT and Himawari-8 by JMA; MACC-II/CAMS atmospheric data by ECMWF; MERRA-2 atmospheric data by NASA; GFS data by NOAA. |

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| File identifier | edcec13e-1efe-9a3f-f1d4-1abddf744d31 |
| Metadata language | eng |
| Character set | UTF8 |

Metadata author

| | |
|-------------------|---------------------|
| Organisation name | Solargis |
| Role | Originator |
| Date stamp | 2018-10-04T13:34:17 |