Data identification

Title	Longterm monthly average of direct normal irradiation in March – Maldives
Date	2018-10
Date type	Publication
Abstract	Longterm monthly average of daily totals of direct normal irradiation (DNI) in kWh/m2, calculated for March and covering the years from 1999 to 2017
Purpose	Assessment of Concentrated PV (CPV) and Concentrated Solar Power (CSP) technologies
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, DNI, direct normal irradiation, Long-term average, Solargis, World Bank, ESMAP, Maldives
Legal constrains	Copyright: Solar resource data © 2018 Solargis. The data is published under a Creative Commons Attribution license (CC BY 3.0 IGO)

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Topic category	Climatology, meteorology, atmosphere

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 atospheric data by NASA; GFS data by NOAA.

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