

Table 35 Photosynthetically Active Radiation (PAR)

	Data type #2 MODIS PAR
<i>Spatial Dimensions</i>	
Area to cover	2000 km wide segments
Mapping unit	1 km for level 2 daily product
Positional accuracy	Depends on level of Geo-referencing
<i>Temporal Dimensions</i>	
When	Approx 10:30 am (Terra) and 1:30 pm (Aqua)
How often	Daily
Variable to map	Photosynthetic Active Radiation (PAR)
Environmental / Sensor Restrictions	Clouds, strong winds and breaking waves.
Processing technique	PAR algorithm from ATBD
(Output)	
Resources – Hardware and Software	PC Image processing software
Resource – Personnel	Trained in image analysis and experience with MODIS thermal data Knowledge of area to be mapped
References: Note these are some example references	Gower et al (2004) Van Laake and Sanchez-Azofeifa (2005)

Gower, J., Brown, L., and Borstad, G., (2004). "Observation of chlorophyll fluorescence in west coast waters of Canada using the MODIS satellite sensor: Remote sensing and resource management in nearshore and inland waters." Canadian journal of remote sensing, 30: 17-25.

Van Laake, P. E. and Sanchez-Azofeifa, G. A., (2005) "Mapping PAR using MODIS atmosphere products." Remote Sensing of Environment, 94: 554-563.