

PURPOSE

Aim: Clearly and concisely describe the validation activities which have been undertaken for the product, including the main findings.

Audience: Users requiring information on the quality of the data product.

For more details, see the Validation template.

SECTIONS OF VALIDATION REPORT

1. **Introduction:** Include subsections describing product name, purpose of document, definitions of parameters.
2. **Product Validation Study #1:** One section to be provided for each study, for example, validation of individual sites, validation in a modelling environment etc. Subsections to include:
 - A. **Method:** Details of the method applied in the study, see **blue box** for more details.
 - B. **Results:** Results and analysis relating to the method.
3. **Inter-comparisons:** Details of comparisons which the product has been involved in (note comparisons are likely to be undertaken after the first issue of the validation document.).

Method Information:

- Geographic sites used.
- In-situ / other measurements used.
- Meta-information on measurements (uncertainties and quality).
- Scaling method used.
- Details of standards / best practice guidance used.

Example: GCOS Requirements Compliance Table for Black Sky Albedo

GCOS requirement		Achieved?	Evidence
Horizontal Resolution	1 km	Yes	Product provided at 500 m resolution.
Temporal Accuracy	Max(5%; 0.0025)	No	Temporal accuracy at 10 %.
Stability	Max(5%; 0.0025)	Yes	Stability at 4 %.

Maturity Matrix Requirements:

- Comprehensive validation report available.
- Paper on product validation published with information on uncertainties etc.
- Report on inter-comparisons to other CDRs etc. available.

4. **GCOS Requirements:** A statement, including demonstrable evidence, on the degree to which the GCOS requirements are met (see **table**).
5. **Validation Summary:** A summary of the validation studies undertaken, their results and what this means in the wider context of using the product.