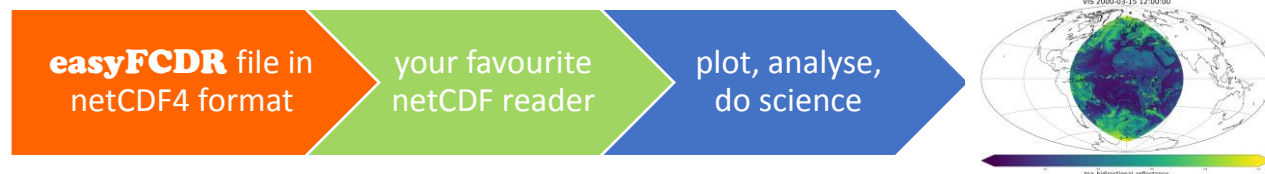


easyFCDR Quick Start Guide

FCDR = Fundamental Climate Data Record

Main contents:

- Top of the atmosphere reflectance (VIS) and radiances & brightness temperatures (IR/WV)
- Uncertainty estimates and error correlation information
- Geospatial information



Principal variables to explore:

- Toa_bidirectional_reflectance –TOA reflectance of the MVIRI VIS channel (0.7 μm)
- u_type_toa_bidirectional_reflectance – one of three components of uncertainty (independent, structured and common)
- Reconstructed spectral response functions and error covariance matrix across wavelengths
- Pixels not to use and flags
- Latitude, longitude, time, sun and satellite angles



What is the uncertainty information useful for?

- Enabling the uncertainty tracing from top of the atmosphere reflectance to inform the uncertainty attributable to variables that you retrieve
- use the uncertainty propagation tool to illustrate this for one-pixel-at-a-time retrieval functions

How do the uncertainty types (independent, structured and common) map onto “traditional” uncertainty names?

