

Annex 3. Current Definition of Primary Products

1.1 “Primary Products/Source Image Data (Primary Products)” shall mean any original *GCM (GMES Contributing Mission)* product originating from a *GCME (GCM Entity)* and provided by ESA/ *GCME*. A *Primary Product* is understood to include spacecraft and instrument data and is a mono-mission Level 1 or Level 2 product according to the CEOS definition below (with exceptional provision of higher-level products such as mono-mission Level 3 on a case-by-case basis). The *Primary Products* are described in the applicable *EO-DAP* version.

CEOS Definitions

- Level 0 Reconstructed unprocessed data at full space-time resolution with all available supplemental information to be used in subsequent processing (e.g. ephemeris, health and safety) appended.
- Level 1A Reconstructed unprocessed data at full resolution, time-referenced, and annotated with ancillary information, including radiometric and geometric calibration coefficients and geo-referencing parameters (e.g. ephemeris) computed and appended but not applied to the Level 0 data.
- Level 1B Radiometrically corrected and calibrated data in physical units at full instrument resolution as acquired.
- Level 2 Derived geophysical parameters (e.g. sea surface temperature, leaf area index) at the same resolution and location as Level 1 source data.
- Level 3 Data or retrieved geophysical parameters which have been spatially and/or temporally re-sampled (i.e. derived from Level 1 or 2 products), usually with some completeness and consistency. Such re-sampling may include averaging and compositing.
- Level 4 Model output or results from analyses of lower level data (i.e. parameters that are not directly measured by the instruments, but are derived from these measurements).