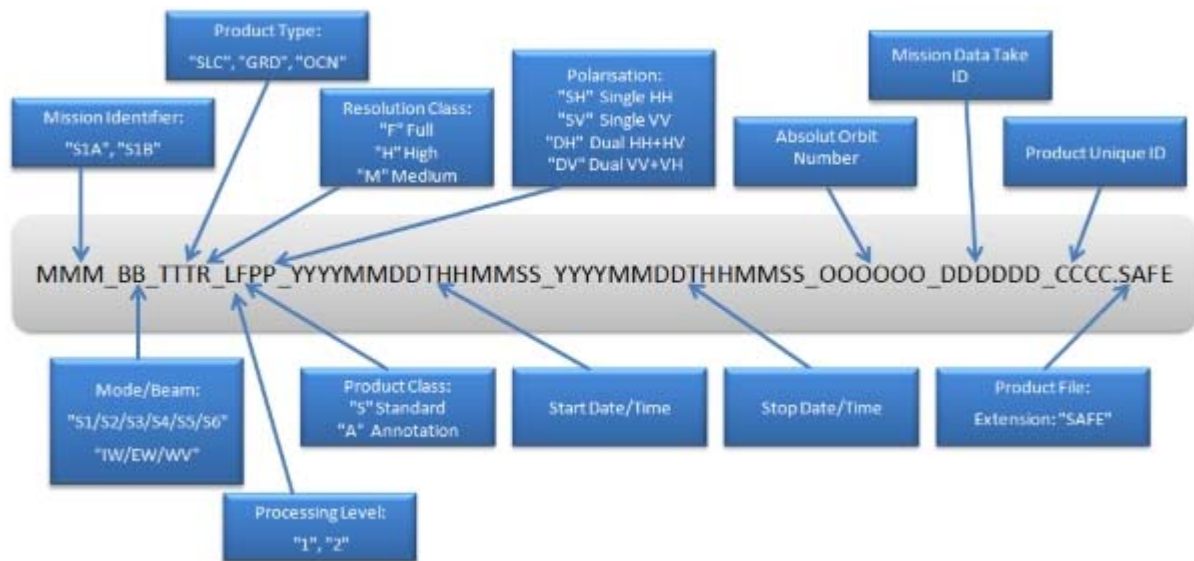


## Sentinel 1 – File name conventions and product folder description

The top-level SENTINEL-1 product folder name is composed of upper-case alphanumeric characters separated by an underscore (\_).



**Figure 1: Product naming convention**

The Mission Identifier (MMM) denotes the satellite and will be either S1A for the SENTINEL-1A instrument or S1B for the SENTINEL-1B instrument.

The Mode/Beam (BB) identifies the S1-S6 beams for SM products and IW, EW and WV for products from the respective modes.

Product Type (TTT) can be RAW, SLC, GRD or OCN.

Resolution Class (R) can be F (Full resolution), H (High resolution), M (Medium resolution), or \_ (underscore: not applicable to the current product type). Resolution Class is used for SLC and OCN only.

The Processing Level (L) can be 0, 1 or 2.

The Product Class can be Standard (S) or Annotation (A). Annotation products are only used internally by the PDGS and are not distributed. Polarisation (PP) can be one of:

- SH (single HH polarisation)
- SV (single VV polarisation)
- DH (dual HH+HV polarisation)
- DV (dual VV+VH polarisation)

The product start and stop date and times are shown as 14 digits representing the date and time, separated by the character "T".

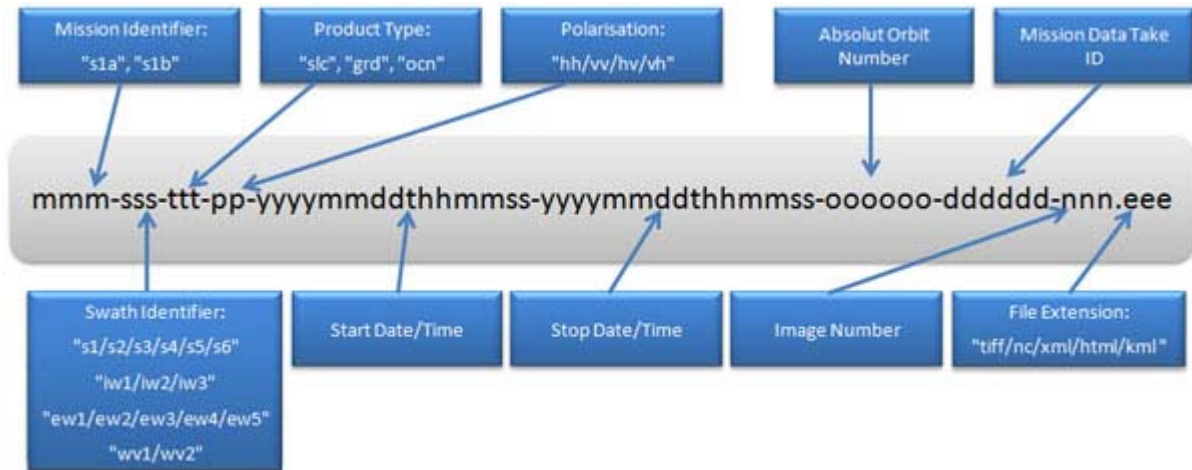
The absolute orbit number at product start time (OOOOOO) will be in the range 000001-999999.

The mission data-take identifier (DDDDDD) will be in the range 000001-FFFFFF.

The product unique identifier (CCCC) is a hexadecimal string generated by computing CRC-16 on the manifest file using CRC-CCITT.

The folder extension is always "SAFE".

Within a product folder, measurement datasets and annotation datasets follow a similar naming convention with lower case alphanumeric characters separated by a dash (-).



**Figure 2: Dataset naming convention**

The Mission Identifier (mmm) denotes the satellite and will be either s1a for the SENTINEL-1A instrument or s1b for the SENTINEL-1B instrument.

The Swath Identifier (sss) identifies the s1-s6 beams for SM mode, iw1-iw3 for IW mode, ew1-ew5 for EW mode and wv1-wv2 for WV mode.

Product Type (ttt) can be slc, grd or ocn.

Polarisation (pp) can be one of:

- hh (single HH polarisation)
- vv (single VV polarisation)
- hv (single HV polarisation)
- vh (single VH polarisation).

The product start and stop date and times are shown by fourteen digits representing the date and time separated by the character "t".

The absolute orbit number at product start time (oooooo) will be in the range 000001-999999.

The mission data-take identifier (dddddd) will be in the range 000001-FFFFFF.

The image number (nnn) identifies each individual image. WV vignettes each have their own image number as do each swath and polarization image for SM, IW and EW.

The file extension denotes the data format of the file and could be tiff, nc, xml, html, kml, xsd or png.

For specific details on the SENTINEL-1 naming conventions as they apply to each processing level, please refer to the SENTINEL-1 Technical Guide:

- [Level-0 Product Formatting](#)
- [Level-1 Product Formatting](#)
- [Level-2 Product Formatting](#)