OTB – TimeSeriesGapFilling

> I need some documentation about the otb commande "TimeSeriesGapFilling".

> What I need is to know is how to use the input "time series" and input "Maskseries"

> Is it a concatenation of the images or the list of all bands used at

> all dates (in my case about 100 images) and what about which mask to

> use (saturation cloud ..?)

Here are some comments about the parameters:

-in <string> Input time series (mandatory)

A multiband image resulting from the concatenation of your different dates. If the images are multispectral, the order of the bands should

be:

date1b1 date1b2 ... date1bN date2b1 date2b2 ...

-mask <string> Mask time series (mandatory)

A validity mask (you choose what validity means: clouds, saturation, etc.; a valid pixel has a value of 0). This is a time series with the same order of dates as the input time series.

-out <string> [pixel] Output time series [pixel=uint8/uint16/int16/uint32/int32/float/double] (default value is float) (mandatory)

The gapfilled time series. It will have the same number of dates as the input time series unless you provide an output date file (see -od).

-comp <int32> Number of components per date. (mandatory)

The number of bands of each date (all dates have to have the same number of bands, of course).

-it <string> Interpolation type (linear, spline) (mandatory)

self explanatory

-id <string> Input date file (optional, off by default)

An ascii file containing the dates of the input time series. The date format is YYYYMMDD. See this example:

<http://tully.ups-tlse.fr/jordi/temporalgapfilling/blob/master/data/TimeSeriesInputDateFile.txt>

if no date file is provided, the time gap between dates is supposed to be regular.

-od <string> Output date file (optional, off by default)

Same format as the input date file. If provided, the output image time series will be resampled to correspond to the dates provided in the file. This is useful if you want to have a regular temporal sampling when your input time series is irregular. If no file is provided, the input dates are used.

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