

## ctools - Bug #2174

### cstsmasplit does not work properly when it is initialized using an observation container

08/03/2017 05:56 PM - Di Venere Leonardo

<b>Status:</b>	New	<b>Start date:</b>	08/03/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			

#### Description

I initialized cstsmasplit using the following command:

```
obs = gammalib.GObservations("obslist.xml")
tsmasplit = cscripts.cstsmasplit(obs)
```

I specified all the parameters required by cstsmasplit except for inobs and inmodel.

The script runs and produces the cttsmmap command list output file, without complaining or querying further parameters.

However, the cttsmmap commands do not have the inobs and inmodel parameters, which means that they cannot be used as they are.

The reason is probably at line 202 in cstsmasplit.py :

```
if self[par.name()].is_query():
    continue
```

These lines prevents cstsmasplit from writing in the command list the parameters that were not previously queried, which is the case of inobs and inmodel if cstsmasplit is initialized as I showed before.

The issue extends also to the response parameters (calddb, irf, expcube, pscube, ...), since they are not queried if the response is already specified in the observation container.

There is no way to get the filename corresponding to a certain observation container and/or model, which is reasonable I think, since observations and models could also be created from scratch.

I could think about two possible solutions:

1. We could force cstsmasplit to query the inobs and inmodel parameters, even if they are not necessary.
2. We could save the observations and models in a temporary file, which is then passed to the cttsmmap commands. The same should be done also for the response parameters.

Any ideas/opinions?

#### History

##### #1 - 08/03/2017 05:56 PM - Di Venere Leonardo

- Subject changed from @cstsmasplit@ does not work properly when it is initialized using an observation container to cstsmasplit does not work properly when it is initialized using an observation container

##### #2 - 05/02/2021 01:13 AM - Knödlseeder Jürgen

- Target version set to 2.0.0

##### #3 - 06/04/2022 09:00 PM - Knödlseeder Jürgen

- Target version deleted (2.0.0)

I'm actually wondering whether `cstsmasplit` should be maintained in the long run. Implementation of parallel computing in `cttsmap` seems to be the preferable option.