
Subject: Re: prespec git updates
Posted by [miree](#) on Tue, 19 Aug 2014 15:18:37 GMT
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Added two small programs to the repository.
They extract the first and last GTS timestamp in an lmd file (written by MBS system) or from the set of all psa_*.adf files in a NARVAL run folder. These tools can be used to verify if you're pairing the correct lmd file with a given NARVAL run.

they are located in the prespec/tools subdirectory and are installed when typing "make install" together with the preplay program.

use like this (for lmd files)

```
gts_timestamps_mbs /d/rising02/feb_14/data/Fe56_coulex_ar3_0106.lmd > /dev/null
```

outputs:

```
/d/.../Fe56_coulex_ar3_0106.lmd < Mon Feb 24 07:12:56 2014 > 23270254723987  
23375015876804
```

use like this (for adf files)

```
gts_timestamps_adf  
/SAT/hera/gamma/AGATAdata/040414_bentley/run_0011_46Ti_coulex/Data/
```

outputs:

```
/SAT/./Data/ <Sat Apr 5 03:50:07 2014 > 5630037697086  
7425940419075
```

The first/last number is the first/last GTS timestamp in the file/folder.
Yes, these numbers are large! They count the number of 10ns GTS time-ticks since the start of the GTS system.
By looking at them you can see if time ranges of two event sources do overlap or not.
