

ctools - Change request #1013

Make `ctbin` less strict for the input event lists it accepts?

12/03/2013 07:12 PM - Deil Christoph

<b>Status:</b>	New	<b>Start date:</b>	12/03/2013
<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>			
<b>Description</b>			
<p>I'd like to use `ctbin` to create a count cube for an event list I have and am annoyed by the things I have to "fake" to make it work (see attached script).</p> <p>It still doesn't work because `ctbin` requires a `GTI` extension:</p> <pre>*** ERROR encountered in the execution of ctbin. Run aborted ... *** ERROR in GCTAEventCube::set_time(): No Good Time Intervals (GTIs) have been found. Every CTA event cube needs associated GTIs to allow the computation of the ontime.</pre> <p>In principle I think having an event list format verification is good, but it would be nice if some things were declared optional about the CTA event list format and if the ctools printed warnings for missing things instead of aborting with an error.</p> <p>Some suggestions:</p> <ul style="list-style-type: none"><li>• Event list columns like 'EVENT_ID', 'MULTIP', 'DIR_ERR', 'AZ', 'COREX', 'COREY', 'CORE_ERR', 'XMAX', 'XMAX_ERR', 'ENERGY_ERR' should be optional. Not all CTA event lists will have these columns filled and filling the hard disk with zeros e.g. when running large-scale simulations with `ctobssim` is bad.</li><li>• Having 'TSTART', 'TSTOP', 'MJDREF', 'RA_PNT', 'DEC_PNT' as header keywords is problematic. In my case I have 10,000 runs with ~ 100 events each. Do I really have to write 10,000 files, i.e. is there no way to create combined event lists for several runs?</li><li>• `ctbin` could print a warning, but still run if the `GTI` extension is not present?</li></ul>			

History

#1 - 12/03/2013 09:37 PM - Knödseder Jürgen

Good Time Intervals are mandatory. You have to know the effective observing time that was used for data taking.

#2 - 12/03/2013 09:38 PM - Knödseder Jürgen

- Tracker changed from Bug to Change request

Files

make_fits_event_list.py	2.31 KB	12/03/2013	Deil Christoph
-------------------------	---------	------------	----------------