

URL: http://cxc.harvard.edu/ciao3.4/faq/tre_range.html Last modified: 26 October 2007

What does this warning mean?

tg_resolve_events (CIAO 3.4): The following error occurred 38950 times: WARNING: Event chip position is outside of valid range. Grating coordinates not computed for this event.

The warning indicates that some of the events chip coordinates are outside of the valid range, so tg resolve events cannot compute grating coordinates for them. Most grating observations will cause the tool to generate this message. It may be ignored, as long as the number of events outside the valid range is a small fraction of the total number of events in the file. For example:

unix% <u>dmlist</u> hrc_evtl.fits blocks				
Dataset: hrc_evt1.fits blocks				
Block Name		Туре	Dimensions	
Block	1: PRIMARY	Null		
Block	2: EVENTS	Table	20 cols x 5866359 rov	NS
Block	3: GTI	Table	2 cols x 18 rov	VS
(38950 /	5866359) * 100 = 0.663955			

Since there are 5866359 events in the file, the 38950 for which grating coordinates *were not* computed make up just 0.66% of the total events.

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