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## Grade (Event Grade)

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The grade is a number assigned to every event based on which pixels in its 3x3 island are above their threshold value. The initial grade is assigned by on-board processing, which first finds local maxima, then analyzes the values of the surrounding 3x3 neighboring pixels. Based on this pattern, the event is assigned a grade. For example, a single-pixel event has a grade of 0. See the [Events Grade](#) section of the Proposers' Observatory Guide for more information.

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URL:  
<http://cxc.harvard.edu/ciao3.4/dictionary/grade.html>  
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