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Subject: Histogram Too Many Array Elements

Posted by [David Fanning](#) on Mon, 24 Aug 2009 22:40:45 GMT

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Folks,

When I am working with large images, and I want to plot a histogram, there are occasions when Histogram complains about "too many array elements". On the current image I am working on, for example, I am passing an array to Histogram that has 1,727,194 elements.

It is an odd sort of error. And it is not even clear to me that this is too many elements per se. It almost seems like the bin size plays a role, too.

In any case, does anyone know what, exactly, causes this error to occur? It seems to me it occurs most often when working with MODIS reflectance data where the data values are between 0 and 1. If it really is "too many" elements in the array, what would be the "just right" number?

Cheers,

David

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David Fanning, Ph.D.

Coyote's Guide to IDL Programming ([www.dfanning.com](http://www.dfanning.com))

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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