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Subject: Entry comparison between two arrays

Posted by [crazywhiteboy311@gmail](#) on Tue, 20 May 2008 14:54:28 GMT

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Hello everyone,

I'm new to IDL (started using last week for a summer research position), and have been working on a problem of comparing two structures of arrays. The concept is that each of the structures contain arrays of a year fraction, a day-of-year fraction, and other data that I need compare. However, to do this comparison I need to make sure both sets of data are corresponding to the same time (within a range of error). My initial thought was to do this in a loop (only have previous experience programming with Java and C doing small data sets) that records the array indexes of corresponding pairs, and use those indexes to build an another array that contains the two sets of data from the two structures of arrays side by side in an array. This idea works fine, but when I start trying to accomplish it on two arrays of roughly 1 million entries each, it spikes up to taking my whole summer to run. So what I'm looking for is how I might do this in array based calculations in IDL. If anyone can give me an idea, or point me in the direction of a good tool to use, I'd appreciate it much. Thanks

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