
Subject: moving average of a large array

Posted by envi35@yahoo.ca on Thu, 23 Nov 2006 15:47:08 GMT

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Hi, I want to calculate the moving average of a large array: data[800,800,365]. The moving average is for the 3rd dimension - day of year. But TS_SMOOTH only works for a vector. Anyone knows if there is another function in IDL that I could use? I probably can use TS_SMOOTH and for loops to get this, but it will be slow. In addition, there are invalid data in my array as well.

I've read discussions in this list about adding Dimension and NAN keywords to other functions, such as Total, Median, etc., which are very useful. Why nobody cares about TS_SMOOTH? Or am I asking a silly question? Is there an obvious way to calculate the moving average of a large array?

Thanks,
Jenny
