
Subject: Re: averaging w.r.t time resolution
Posted by [Phillip Bitzer](#) on Mon, 20 Jan 2014 16:23:35 GMT
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On Monday, January 20, 2014 7:22:05 AM UTC-6, Madhavan Bomidi wrote:

>
> I have a data array for 86400 seconds each day (i.e., @ 1 second resolution). Is there any direct function in IDL which can be used to get the different time resolution (i.e., say 1 minute or 5 minute or 15 minute or 1 hour etc.) averages of the data array with respective time stamp automatically?
>

Well, you need to decide what is statistically correct for averaging your data. Simple boxcar smoothing can be done with SMOOTH.
<http://www.exelisvis.com/docs/SMOOTH.html>

Look at this as well, and links therein:
<http://www.exelisvis.com/Company/PressRoom/Blogs/IDLDataPointDetail/TabId/902/ArtMID/2926/ArticleID/13080/Beware-the-behavior-of-SMOOTH.aspx>
