Subject: Resample (neighborhood averaging) a 3D array with missing data
Posted by zhangj.sdu on Mon, 02 Dec 2013 01:51:50 GMT

Hello, everyone:

   I want to resample a 128x20000x32 (sample,line, band) image with missing data into a
32x5000x32 image, using neighborhood averaging over 4x4 pixels.
   The REBIN function cannot help, since it has no NaN keyword like MEAN; The "Average Arrays
with Missing Data" tip in the "Examples To Illuminate the IDL Way" is for two arrays
(http://www.idlcoyote.com/idl_way/smallexamples.html).

   The total amount of images is hundreds of gigabytes. Is there any fast solution to this?

Thanks.
Clark