
Subject: destripping satellite imagery - quest and/or problem

Posted by [gennari](#) on Sat, 07 Jun 1997 07:00:00 GMT

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Hi all,

I have some multi channel high resolution satellite data from the Japanese Earth Resource Satellite (JERS-1) that has horizontal stripping every 3 lines. I.e., lines 1 + 4 + 7 + 10 ... have the same darker contrast when compared to lines 2 + 5 + 8 and 3 + 6 + 9. This is a documented problem with the VNIR sensor on JERS-1.

ENVI has a destripping routine under Utility/Preprocessing/GenPurpose called DESTRIPE which seems to be exactly what i need, in definition at least.

However, it produced no desireable destripping on the imagery. The number of detectors in the DESTRIPE menu was to 3 (as it should be) and various other numbers with no luck. I even tried using a small (400x400) single channel subimage, the original arrays are huge.

Is the DESTRIPE routine effective for vertical stripping (Landsat) and not intended for horizontal stripping like I have?

I can remove the stripping by apply either a low pass or median but that just smooths the images reducing the resolution as expected.

Here's a sample 200x200 JPEG of the stripping

<ftp://kestrel.umd.edu/pub/wxsat/incoming/stripe.jpg>

Any pointers would be greatly appreciated.

Thanks,
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