Subject: destripping satellite imagery - quest and/or problem
Posted by gennari on Sat, 07 Jun 1997 07:00:00 GMT
View Forum Message <> Reply to Message

Hi all,

I have some multi channel high resolution satellite data from the
Japanese Earth Resource Satellite (JERS-1) that has horizonal
stripping every 3 lines. I.e., lines 1 + 4 + 7 + 10 ... have the same
darker conntrast 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 shoud be) and various other numbers with no 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,
Scott

gennari@Hawaii.Edu

 --- ------
University of Hawaii   voice (808) 956 5392
Dept. of Information & Computer Sciences fax (808) 956 9399
2565 The Mall, Keller 304A
Honolulu, HI 96822   email gennari@Hawaii.Edu