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Subject: mnf and masks

Posted by [msauer](#) on Thu, 30 Jun 2005 19:40:10 GMT

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I've recently applied forward mnf in ENVI to an image in which I've employed a mask to knock out the region surrounding the one I'm interested in. The MNF output shows that the masked area has values of zero while the region I'm interested in has + or - values. Good. However, when I apply the inversion using the stats from this transform, the image that results shows that the previously masked areas have values, the same throughout, and z-profiles that appear to approximate the mean spectra of the whole region I'm interested in. Thought that these previously masked areas should still be 0 with a flat line for a spectrum, indicating no data. I've done a map difference image thru band math which seems to indicate a difference of ~0.002 (rounding error?). Why does area in the inversion corresponding to the mask employed in the mnf have a spectrum and data values?

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