
Subject: Convolving in-situ remote sensing reflectance with Landsat's spectral band responses

Posted by [Theo Awo](#) on Tue, 16 May 2017 06:32:20 GMT

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Hi All,

I am doing atmospheric correction on a bunch of Landat 8 images using in situ Lwn from Aeronet OC stations for validation. However, Aeronet OC instrument's band centres for Lwn collection are different from Landsat's:

Aeronet band	Landsat Band
441	443
488	482
551	562
667	655

I want to resample so these two bands match. Wondering if anyone has an idea of the equation to use/or how to do this. The resample spectra in ENVI can be used I guess but I need to do this for about 100 images.

Thanks.
