

Attachment: Tech Team Mts., 3/13/97 (E. Vermate)

HDF-EOS only allows geolocation mappings in whole pixel increments. However, the along track mapping offset between the 500m and 1km MODIS data is 0.5, and the along track mapping offset between the 250m and 1km MODIS data is 1.5. The result is that HDF-EOS will not provide the correct georeferencing information when we link the fine resolution data bands to the 1km geolocation data. There will be a sub-kilometer (250 m for the 500 m data and 125 m for the 250 m data) error in the along track direction.

This is not just a land problem, the L1B 500 m and 250 m will be labeled wrong also. The along scan direction is not an issue because we are saved by the triangular sampling function.