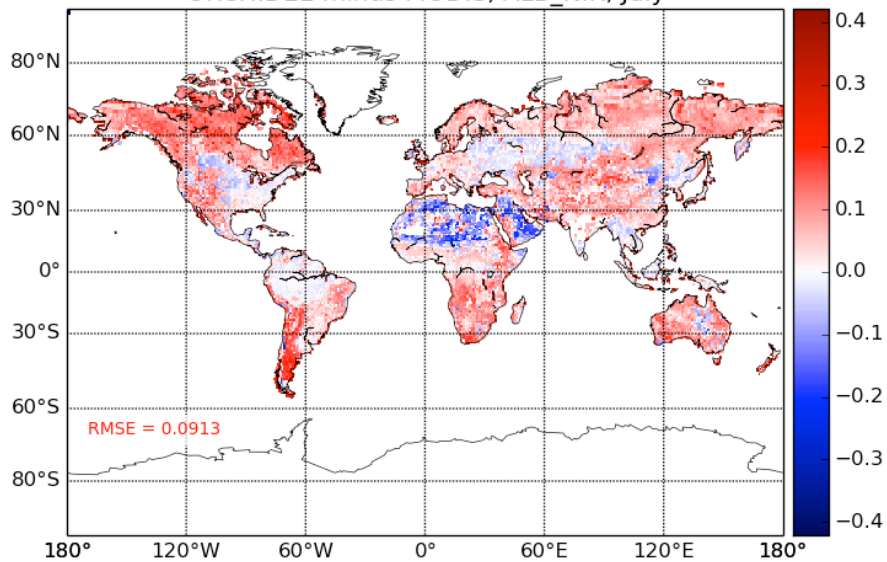


# New Albedo for the TRUNK

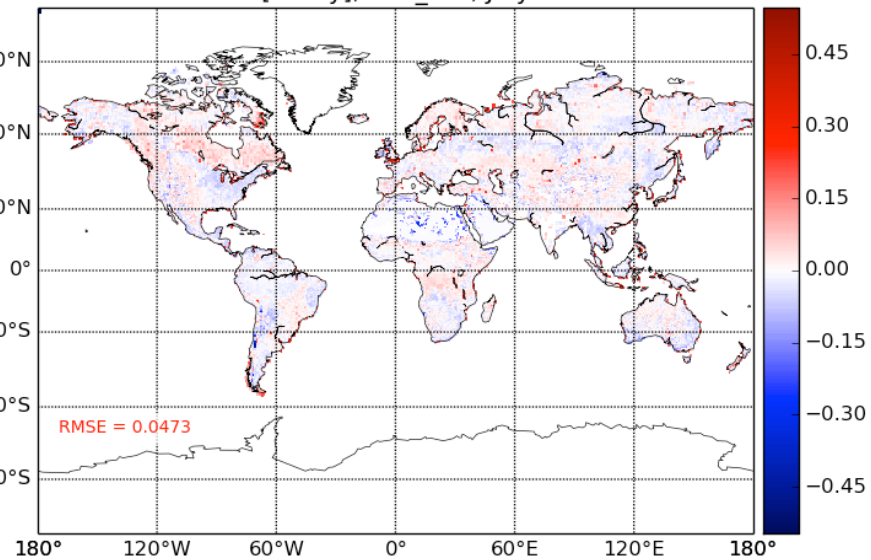
- Change Bare Soil Alb. (function of color class) to Background albedo from MODIS
- Optimize the coefficient of vegetation albedo (NIR, VIS) for the 12 PFTs
- USING MODIS albedo as the “observations” (target)
- → Large impact of changing Bare Soil Albedo
- → Very small impact of the PFTs albedo optimization
- → Check all results under:

<http://orchidas.lsce.ipsl.fr/dev/albedo3.php>

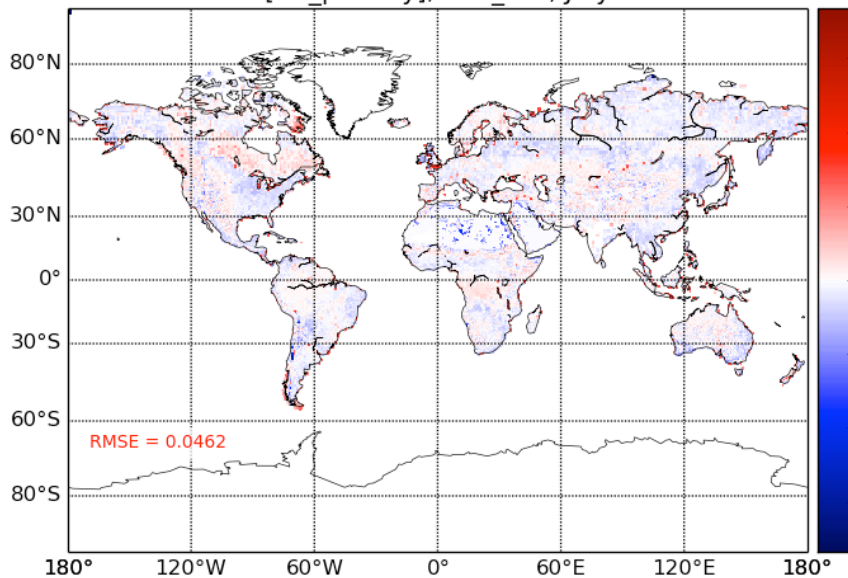
ORCHIDEE minus MODIS, ALB\_NIR, July



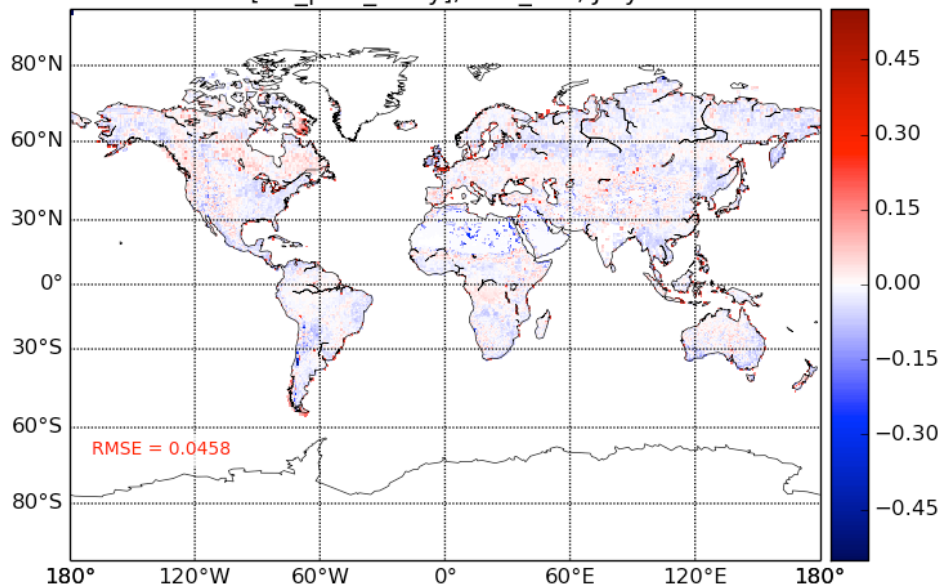
[Hx - y], ALB\_NIR, July



[Hx\_post - y], ALB\_NIR, July

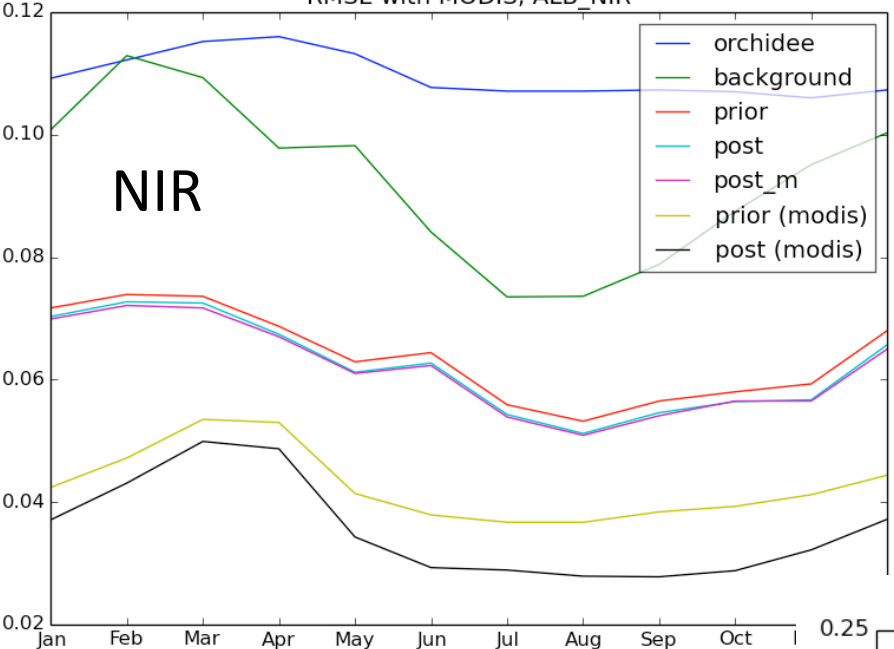


[Hx\_post\_m - y], ALB\_NIR, July



# RMSE between ORCHIDEE-new optimized albedo and MODIS

RMSE with MODIS, ALB\_NIR



RMSE with MODIS, ALB\_VIS

