

LAND VCM Evaluation

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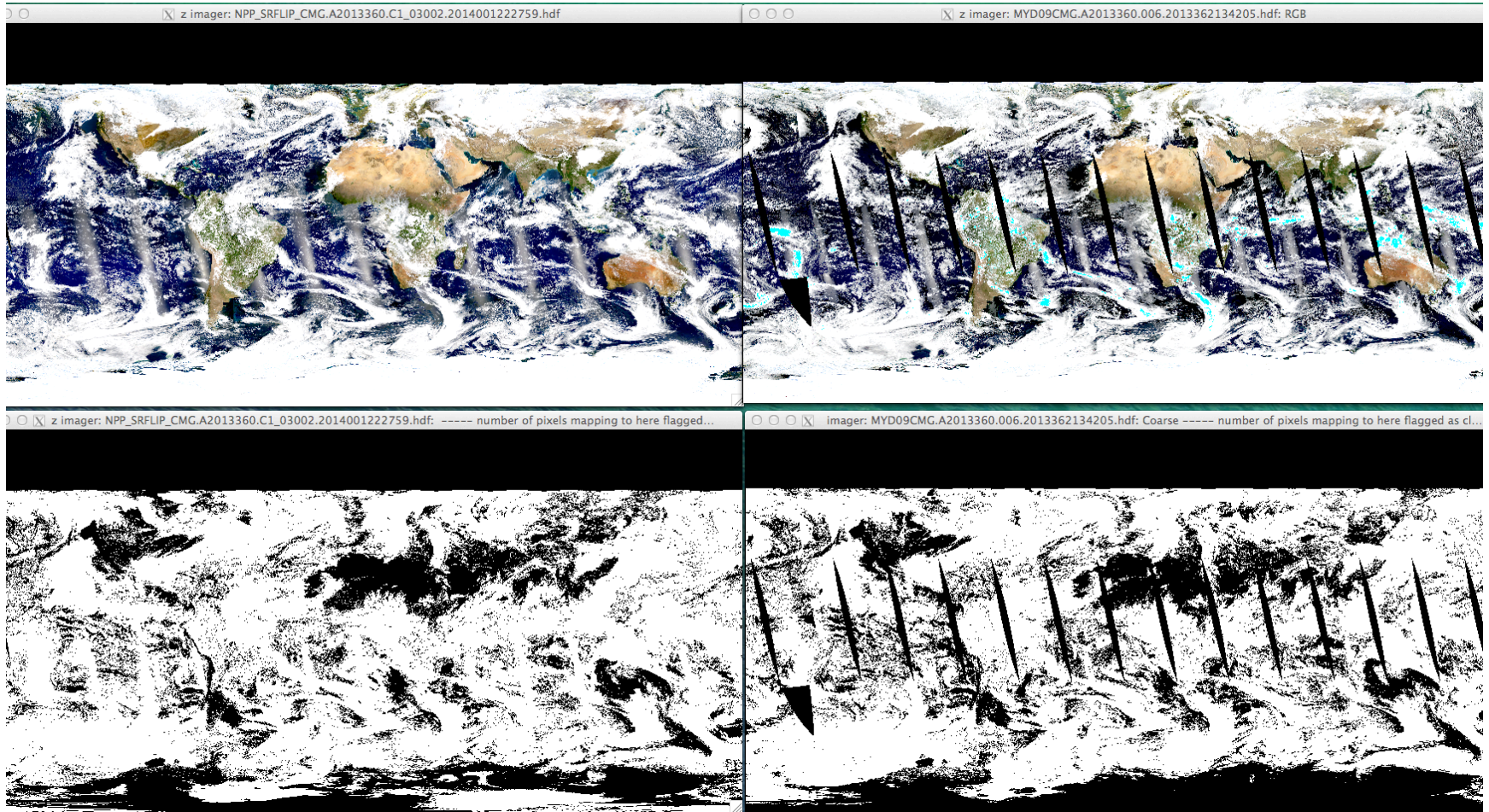
Evaluation

- Non snow area, not concerned about snow cloud/confusion
- Use CMG product, any cell (0.05×0.05 deg) containing cloud is flagged as cloud

2013 December 26

VIIRS CMG (Land Peate Adjusted)

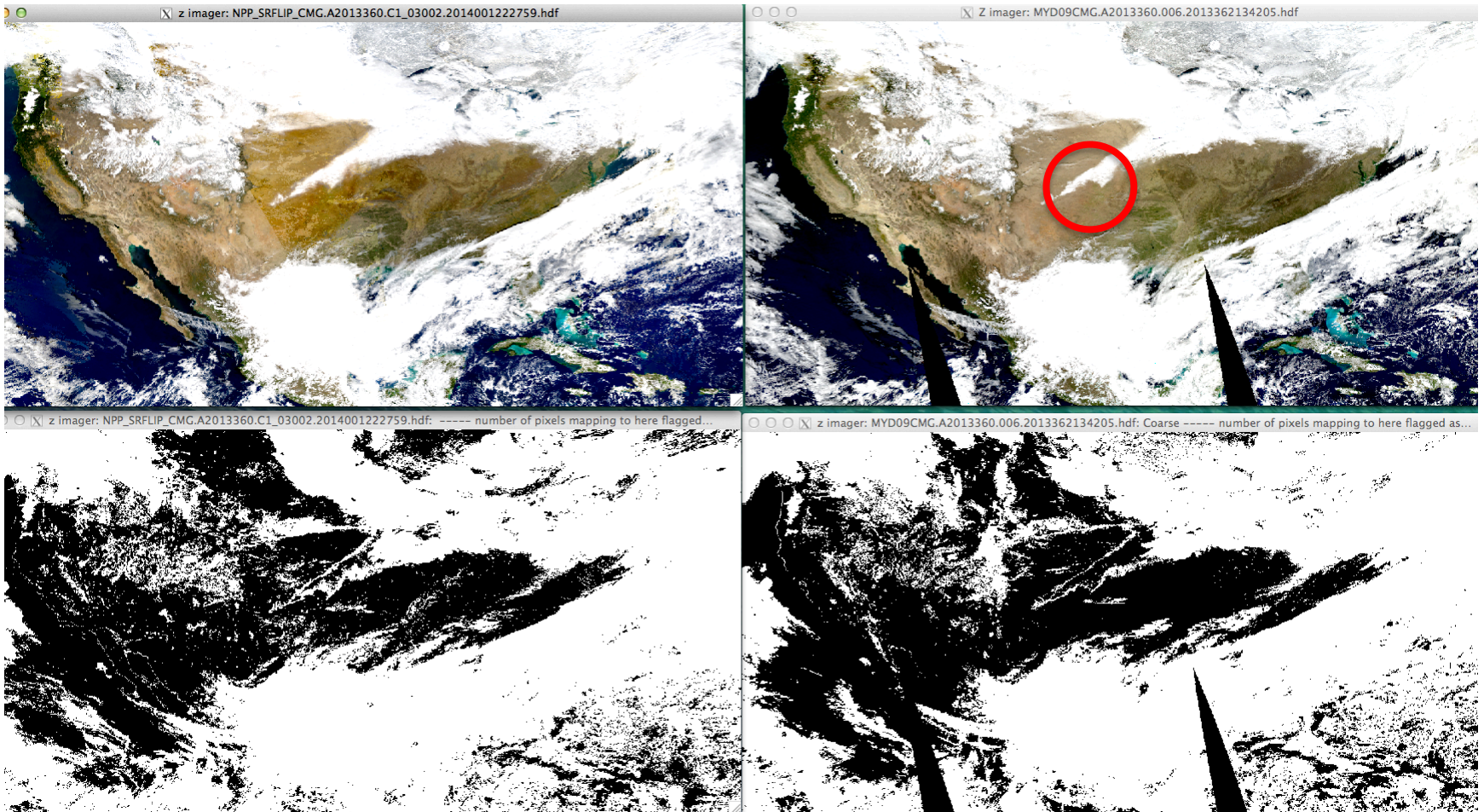
Aqua CMG



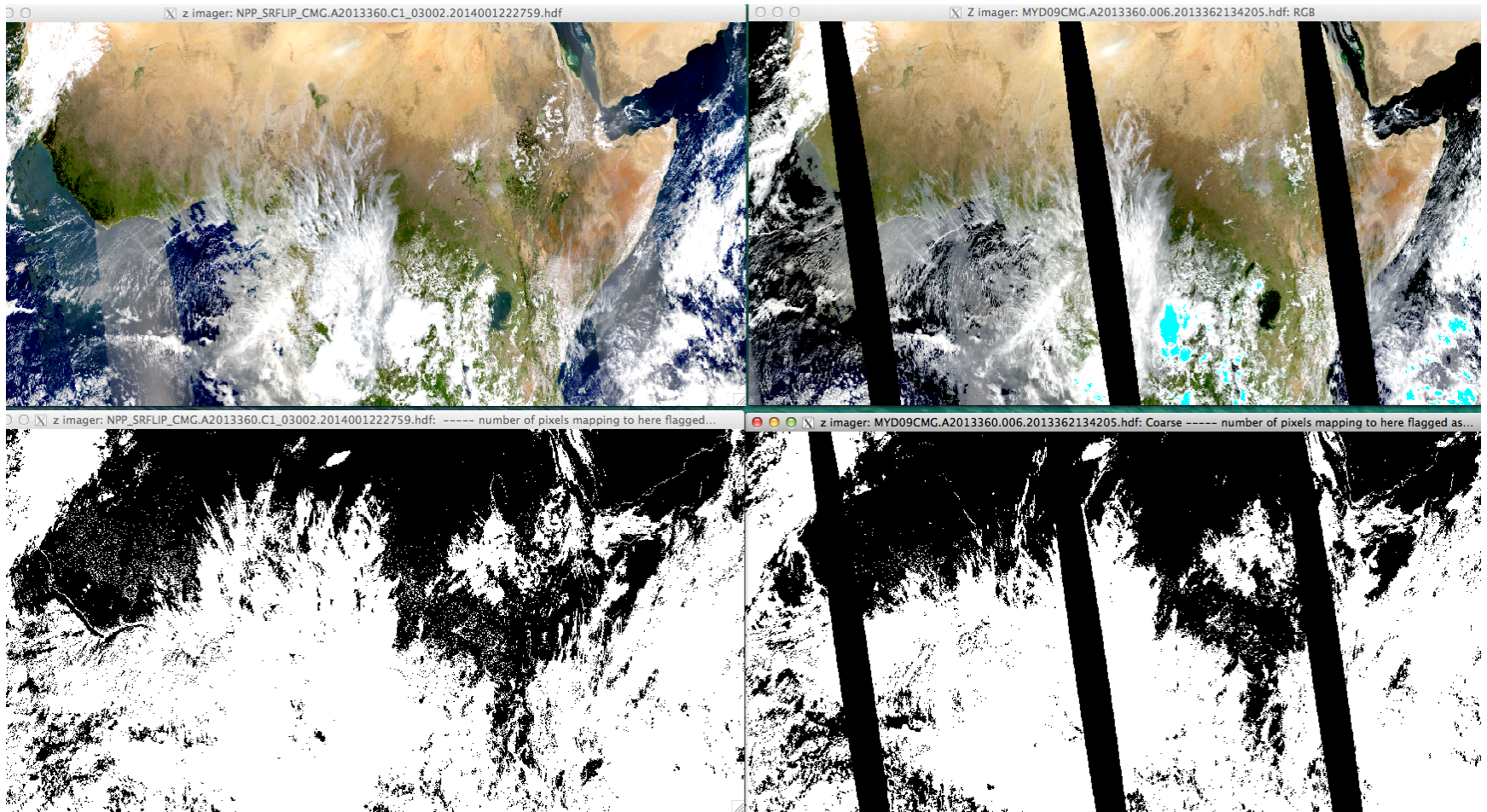
VIIRS Cloud Mask

Aqua Cloud Mask

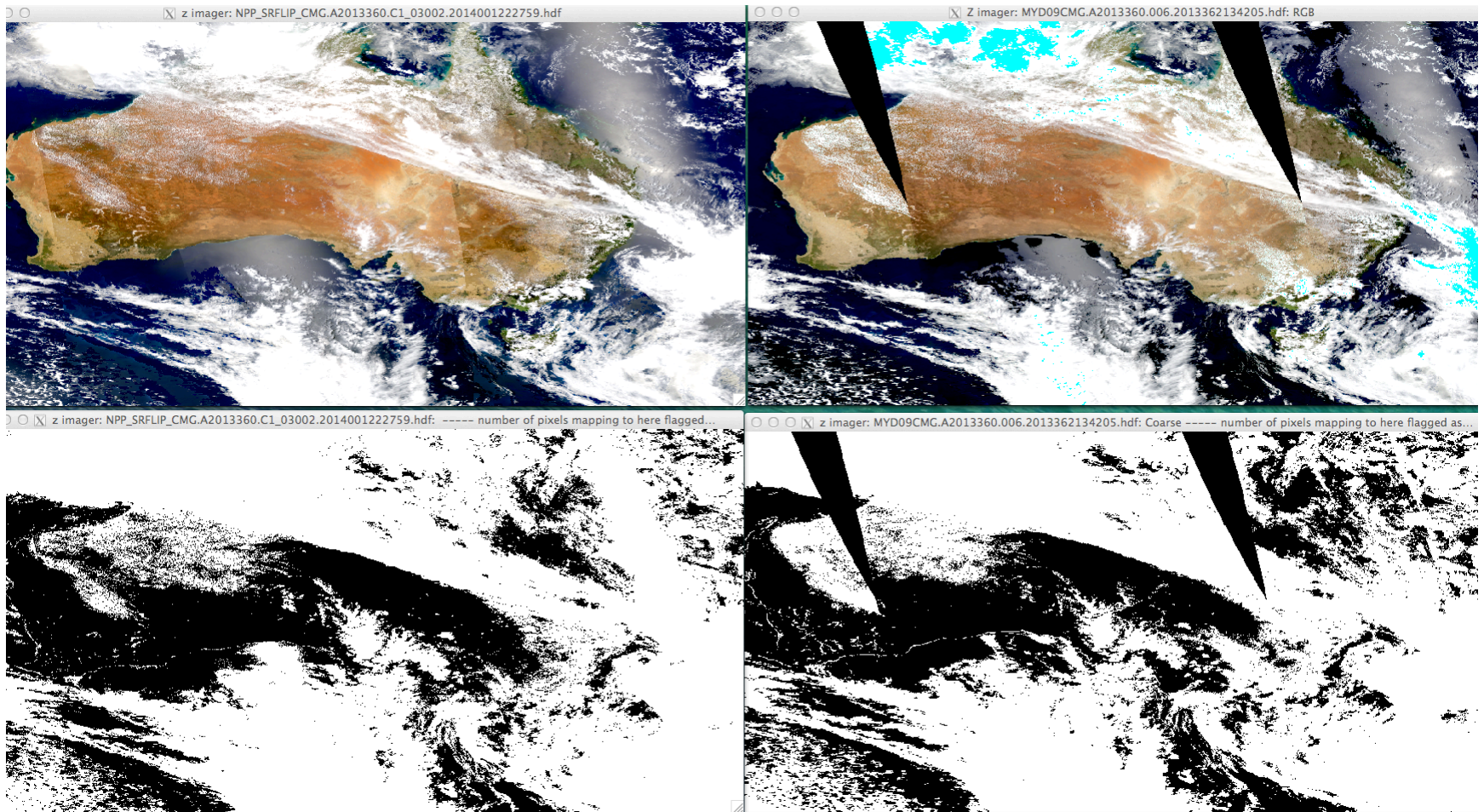
Cloud mask compare well with some small difference in
snow/cloud (not a concern to us)



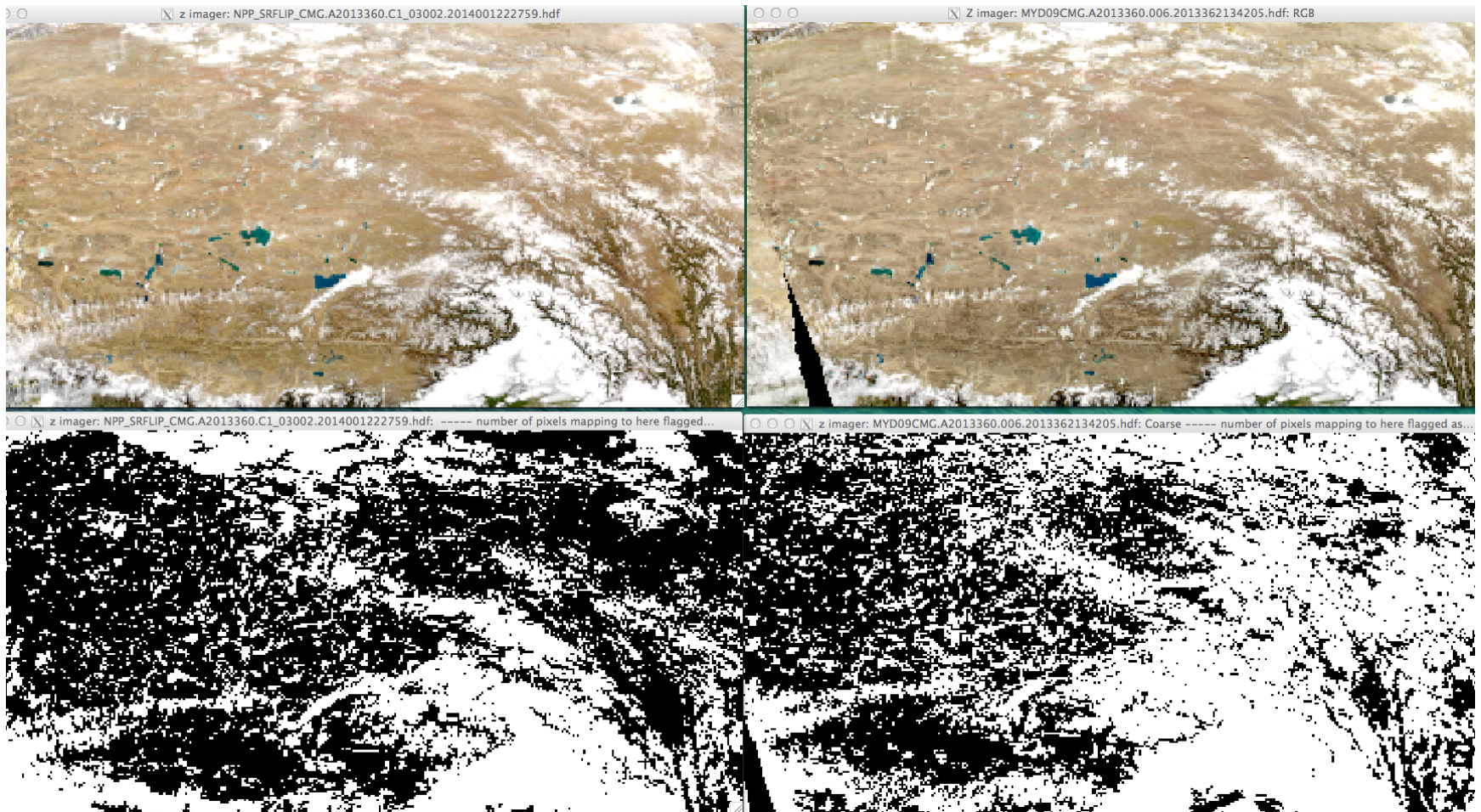
Good comparison over bright regions (Sahel)



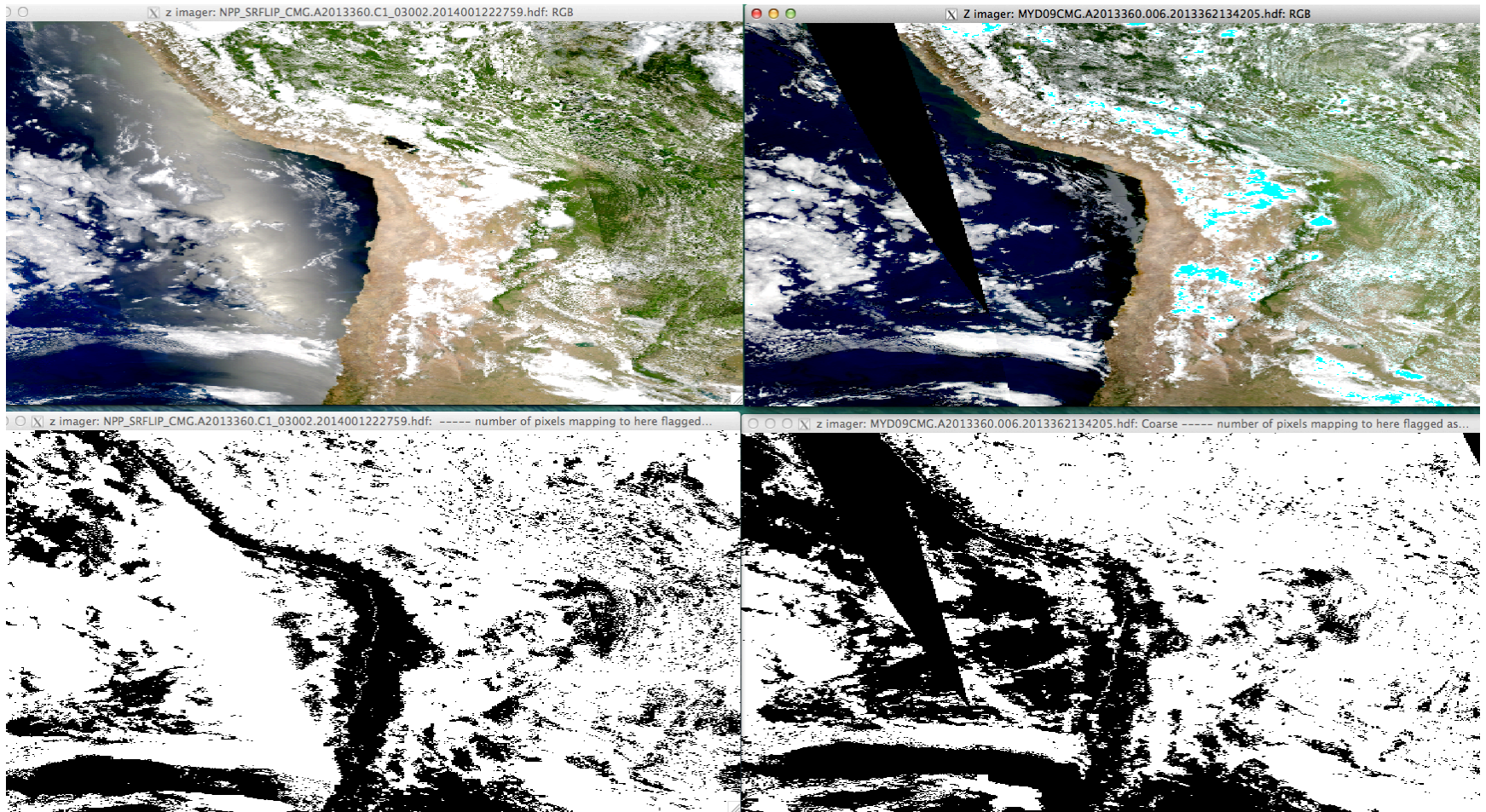
Good comparison over bright regions (Australia)



Good comparison over high altitude regions (Gobi desert)



Good comparison over high altitude regions (Andes)



Conclusion

- VCM is performing well, all previous artifact (bright sites, high altitude) have been addressed
- VCM compares well with MODIS Aqua internal cloud mask.