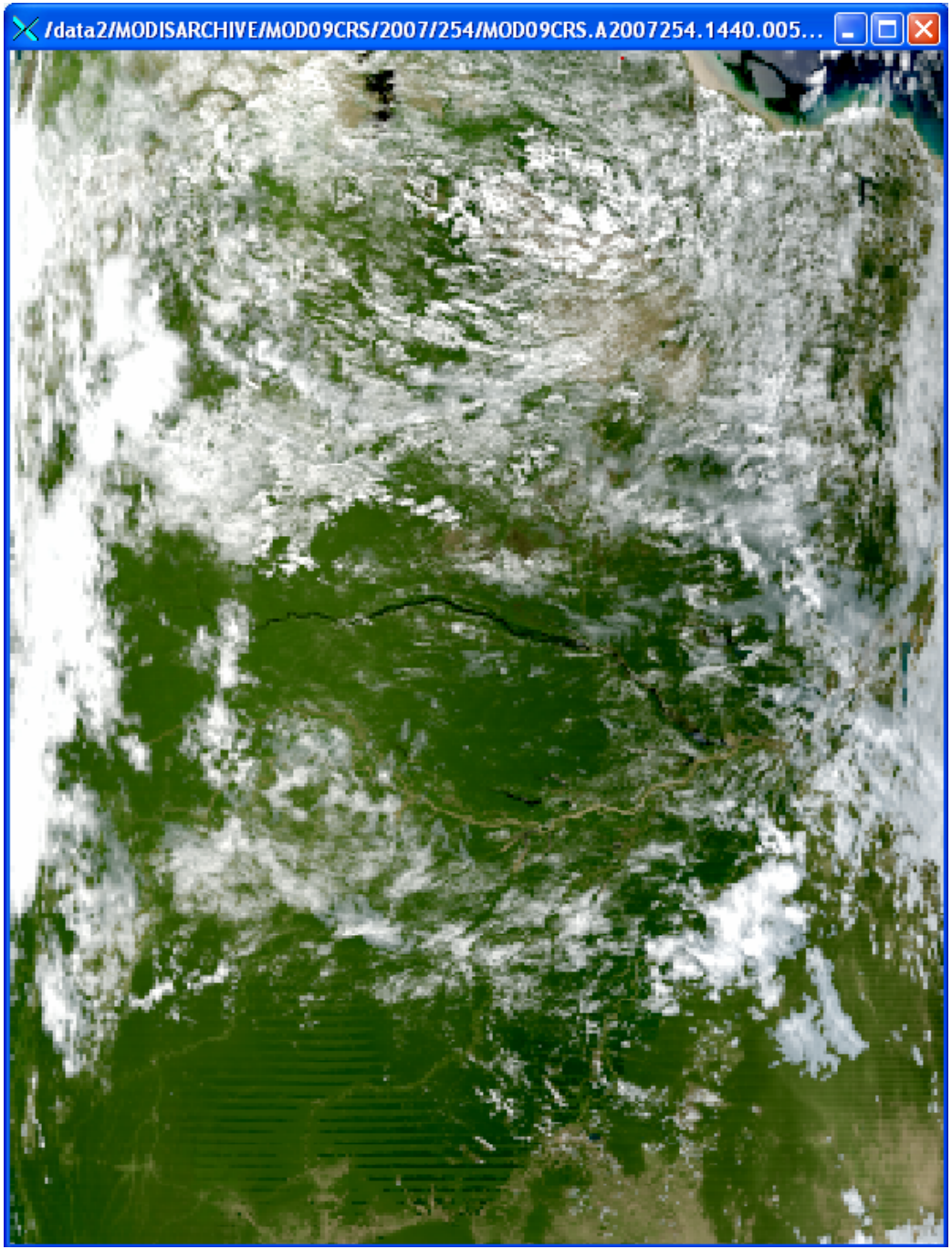
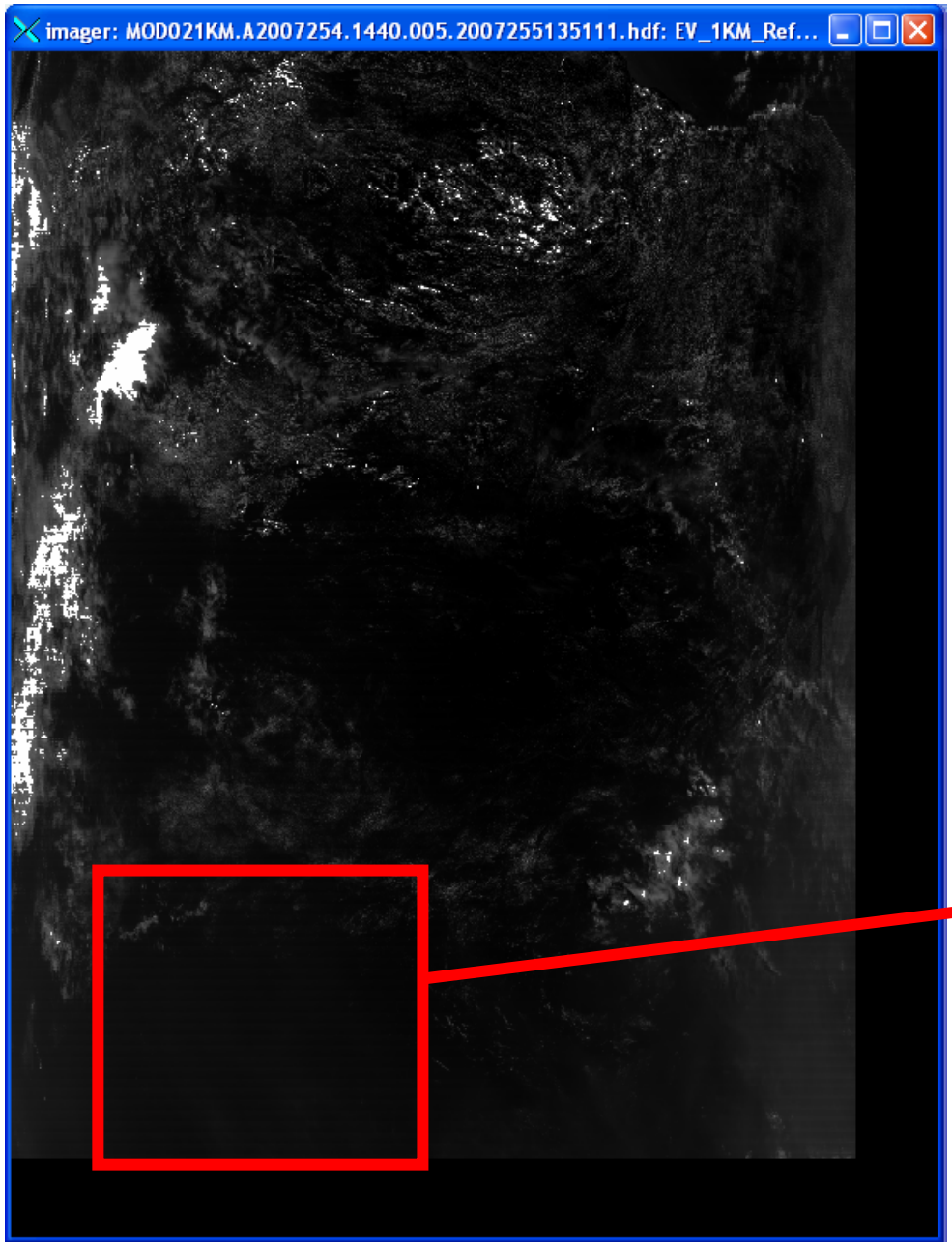
Polarization effect at 412nm depending on mirror side for Terra (band 8)

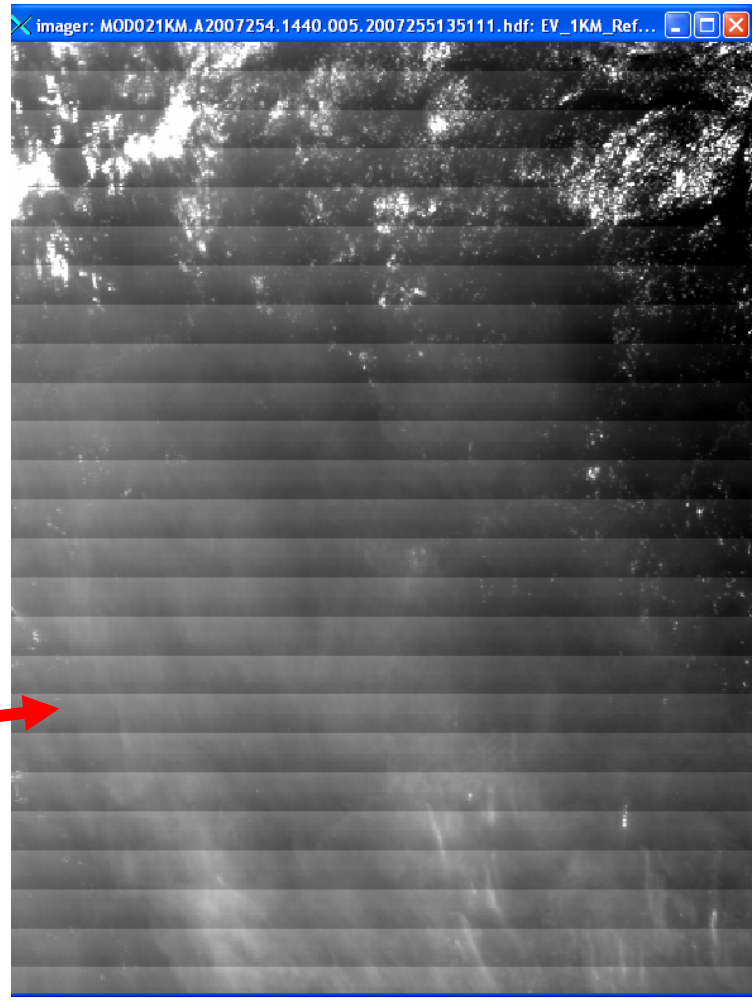
Eric Vermote



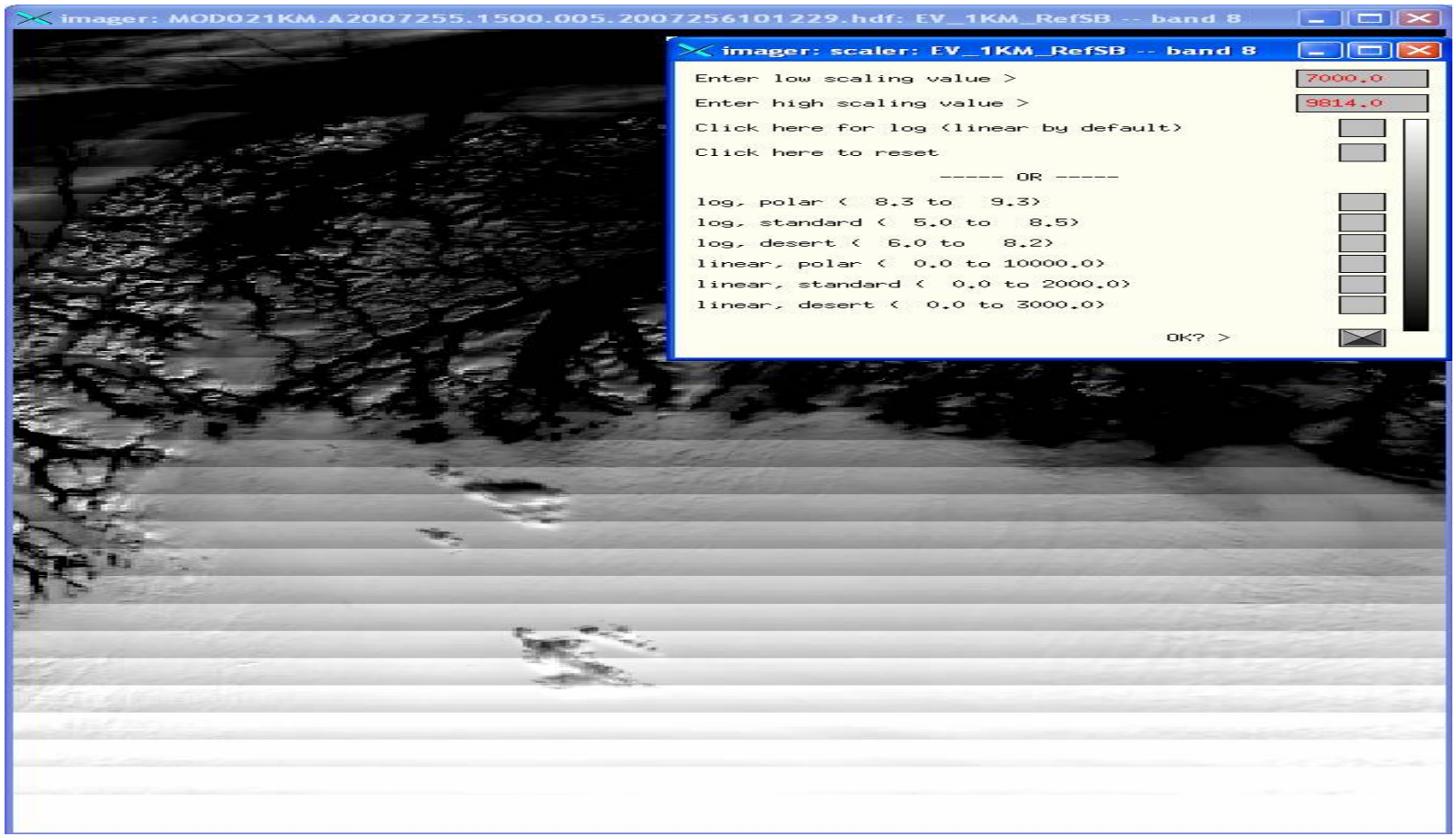
- Pbs detected over the rain forest at high aerosol level (between 0.8-1.2): band 8 noise make the aerosol model switch to high to low absorption

Band 8/ Band 8 details

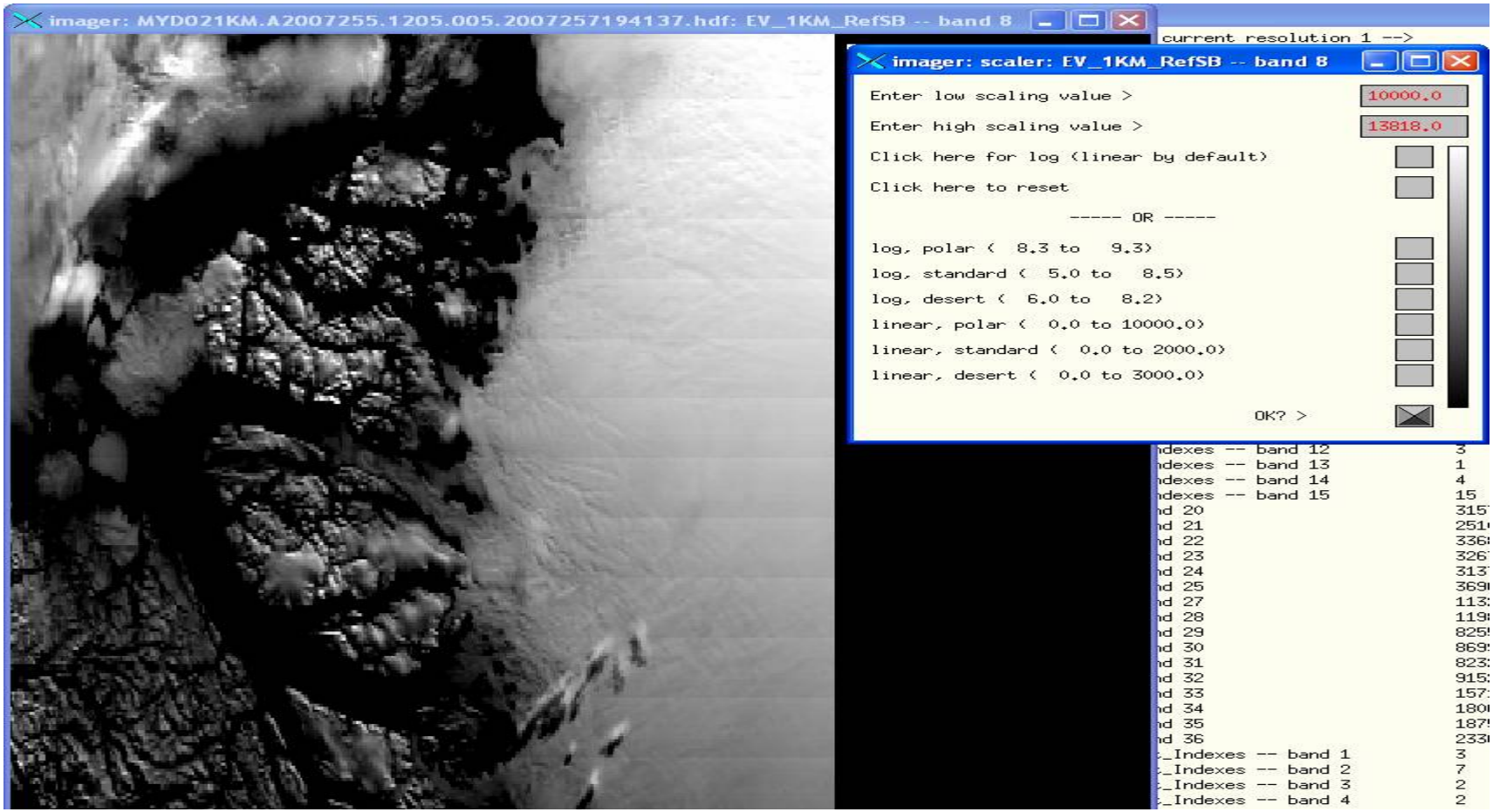




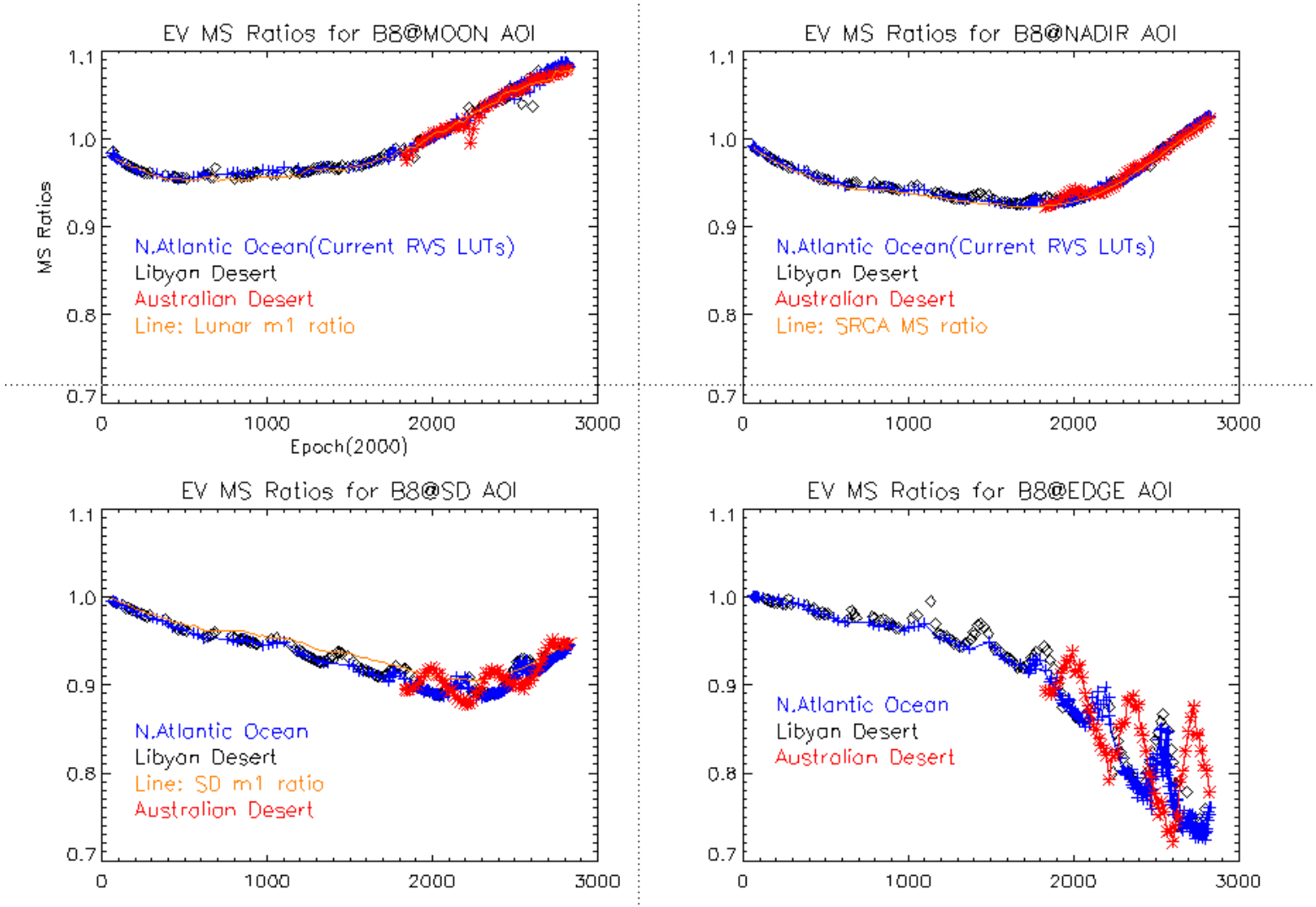
Mirror side effect in Terra band 8 despite mirror side equalization also visible over snow/ice target (polar zone)



This is not apparent on Aqua data



Terra Mirror side ratio is dependent on AOI (fine) but Australian and Lybian desert give different ratio at EDGE AOI



Polarization simulation over desert sites may explain the previous results: The polarization over Lybia and Australia are out of phase