

Atmospheric Correction for Hyperspectral Ocean Color



By Ole Martin Borge

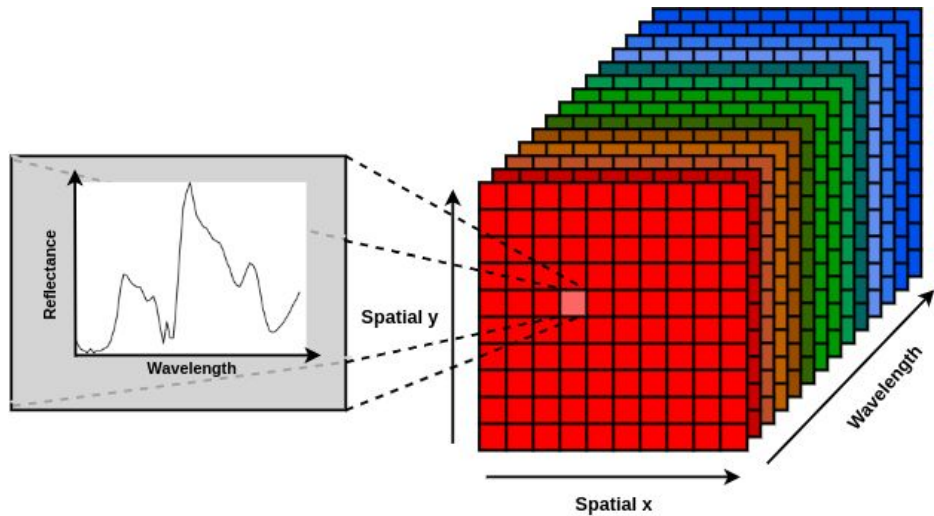
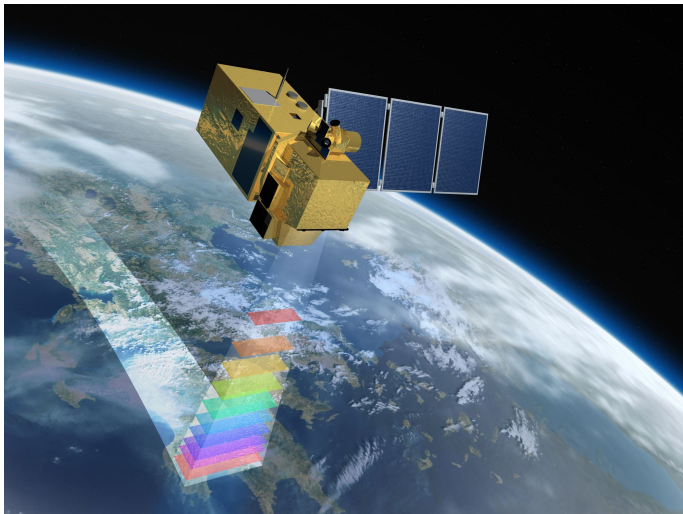
Supervisors:

Prof. Patrick J. Espy

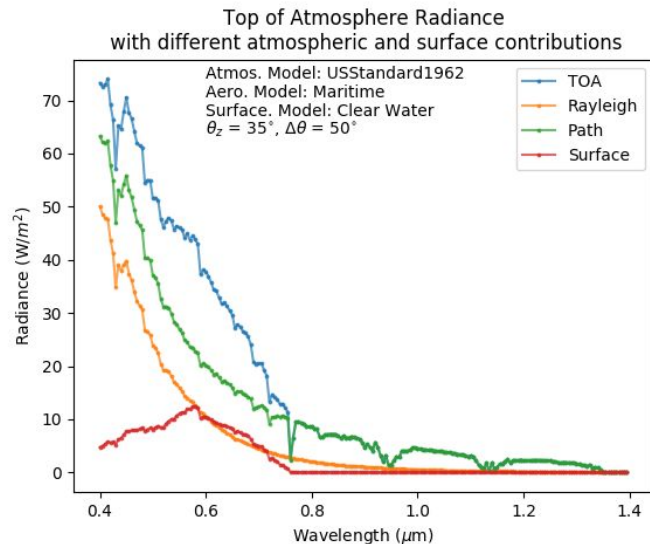
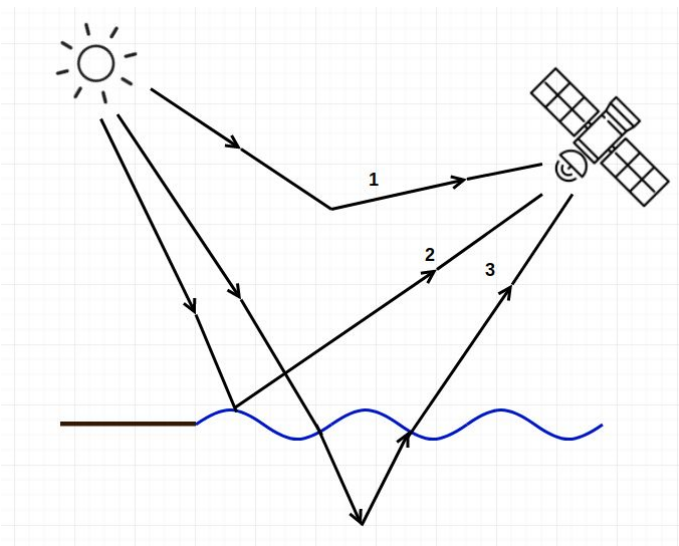
Sivert Bakken (NTNU SmallSat Lab)

Andreas Thorvaldsen (S[&]T)

Hyperspectral Imaging



Problem Formulation



$$L_{toa}(\lambda) = L_{path}(\lambda) + L_{wc}(\lambda) + L_g(\lambda) + L_w(\lambda)$$

Further Work

Test and benchmark different atmospheric correction approaches

Compare with model based approaches for atmospheric correction

Use machine learning

Do time/power analysis

Do sensitivity analysis