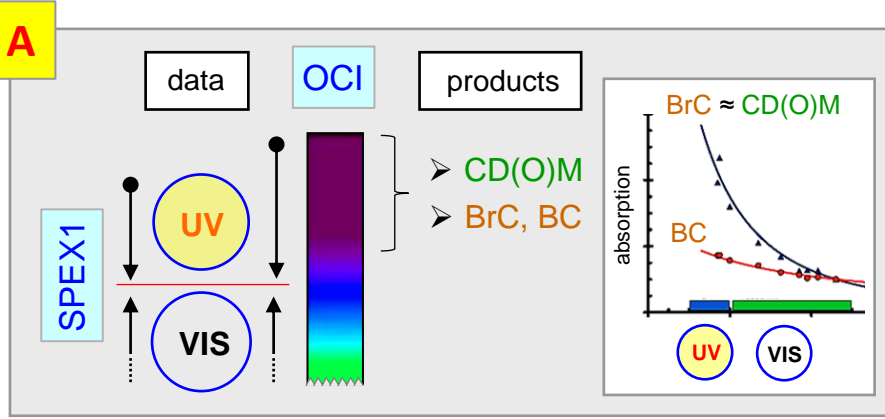




Motivation



Approach

PACE radiometry in the UV will be sensitive to changes in CD(O)M, BrC and BC.

However, **PACE polarimetry in the UV will be much less sensitive to changes in CD(O)M.**



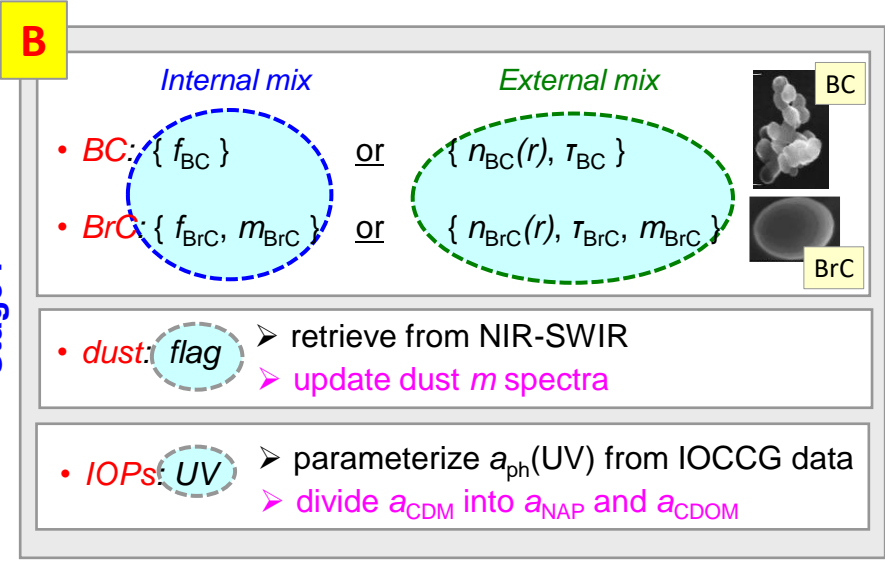
Implementation

Stage I: We will expand **MAPP** inversions for VIS-SWIR photo-polarimetry to include **PACE UV** data and BrC, BC.

Stage II: We will test **MAPP's** performance and its product uncertainties using in-situ and airborne **PACE-like** data sets from **SABOR** and **NAAMES**

Stage III: We will validate **MAPP's** performance and its product uncertainties using synthetic spaceborne **PACE-like** data sets created by **eGAP RT** code using GCM simulations performed by **ModelE** and data from **SeaWiFS**

Stage I



Stage III

