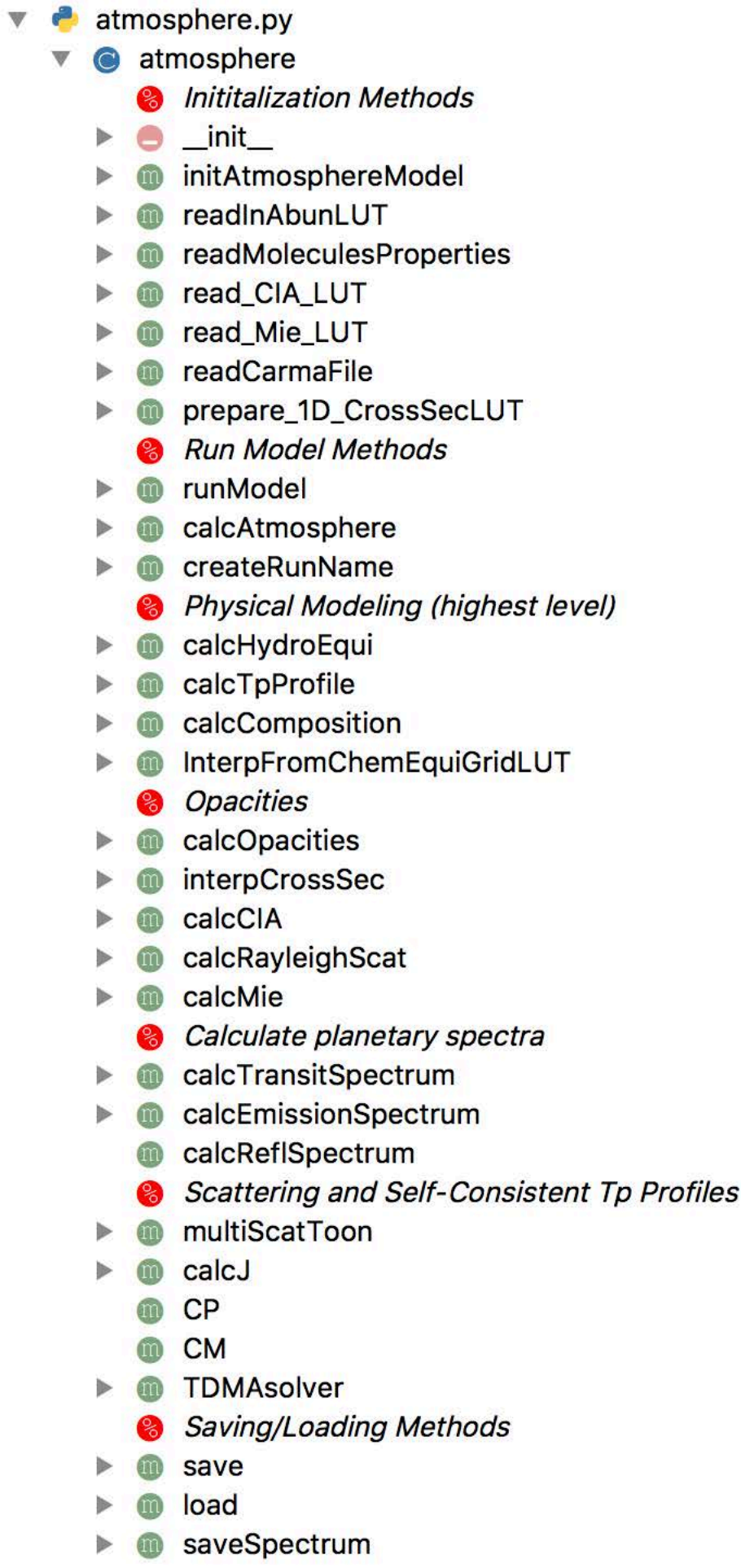
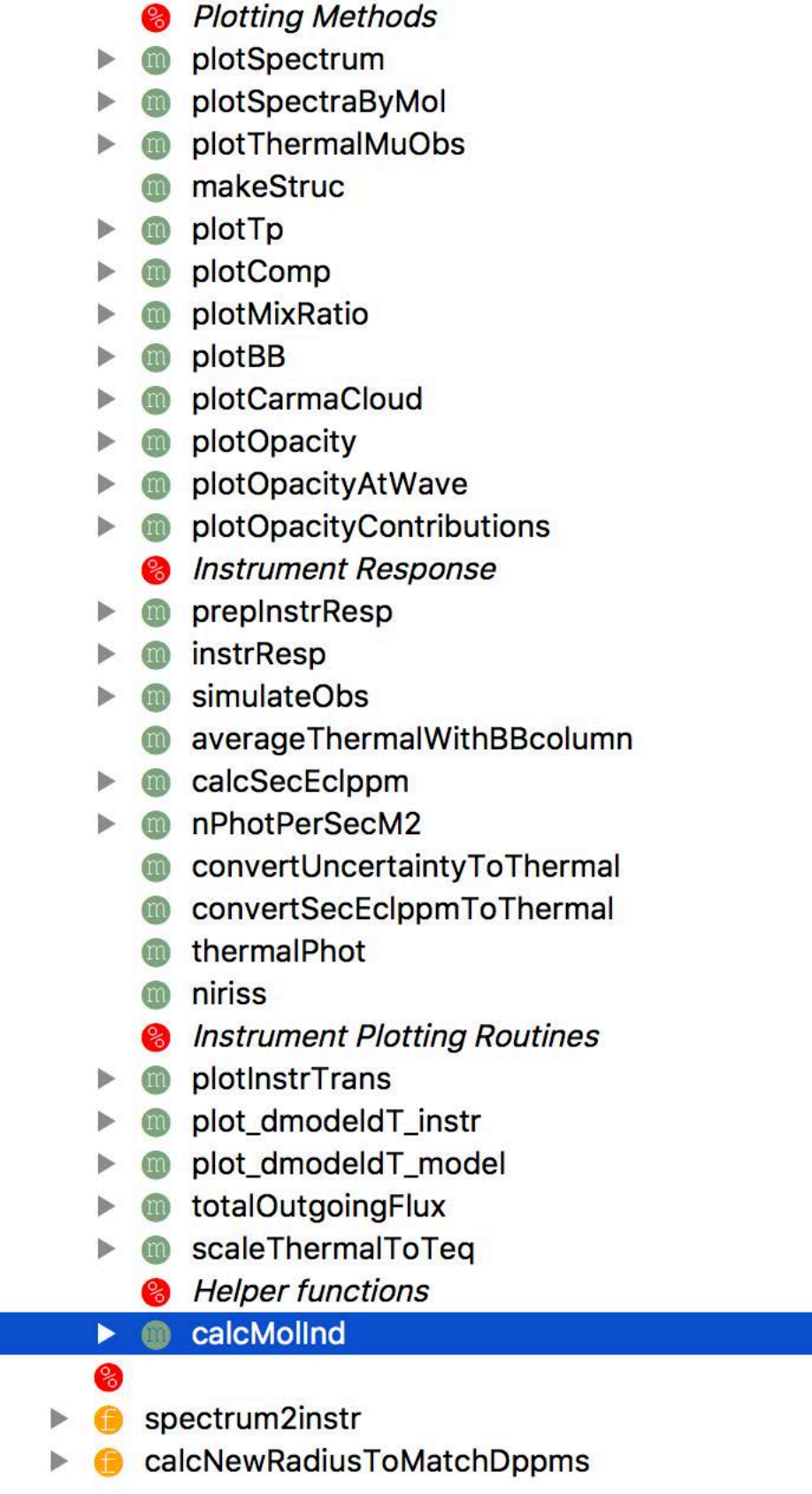

atmosphere.py
atmosphere
Inititalization Methods
__init__
initAtmosphereModel
readInAbunLUT
readMoleculesProperties
read_CIA_LUT
read_Mie_LUT
readCarmaFile
prepare_1D_CrossSecLUT
Run Model Methods
runModel
calcAtmosphere
createRunName
Physical Modeling (highest level)
calcHydroEqui
calcTpProfile
calcComposition
InterpFromChemEquiGridLUT
Opacities
calcOpacities
interpCrossSec
calcCIA
calcRayleighScat
calcMie
Calculate planetary spectra
calcTransitSpectrum
calcEmissionSpectrum
calcReflSpectrum
Scattering and Self-Consistent Tp Profiles
multiScatToon
calcJ
CP
CM
TDMAsolver
Saving/Loading Methods
save
load
saveSpectrum


Plotting Methods
plotSpectrum
plotSpectraByMol
plotThermalMuObs
makeStruc
plotTp
plotComp
plotMixRatio
plotBB
plotCarmaCloud
plotOpacity
plotOpacityAtWave
plotOpacityContributions
Instrument Response
prepInstrResp
instrResp
simulateObs
averageThermalWithBBcolumn
calcSecEclppm
nPhotPerSecM2
convertUncertaintyToThermal
convertSecEclppmToThermal
thermalPhot
niriss
Instrument Plotting Routines
plotInstrTrans
plot_dmodeldT_instr
plot_dmodeldT_model
totalOutgoingFlux
scaleThermalToTeq
Helper functions
calcMolInd
spectrum2instr
calcNewRadiusToMatchDppms