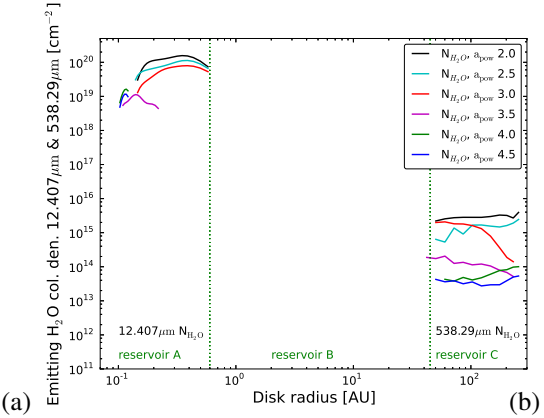
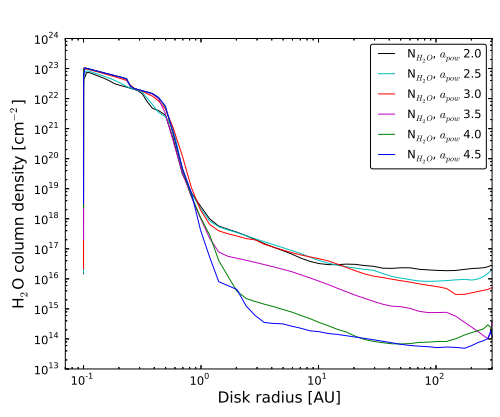
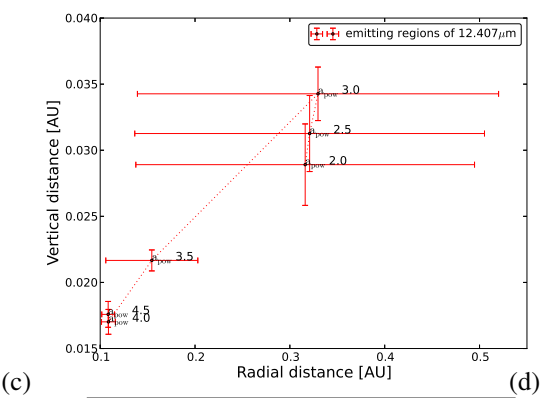
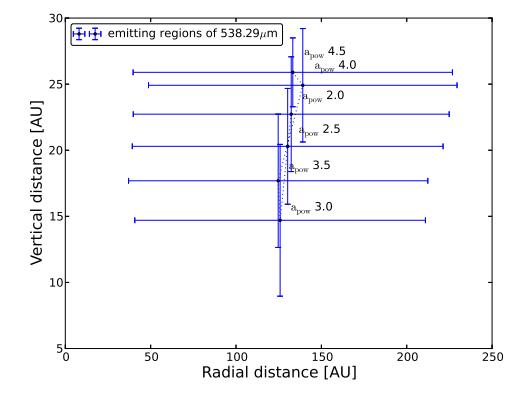
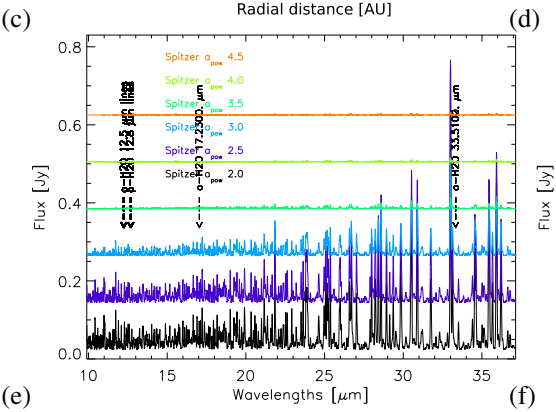
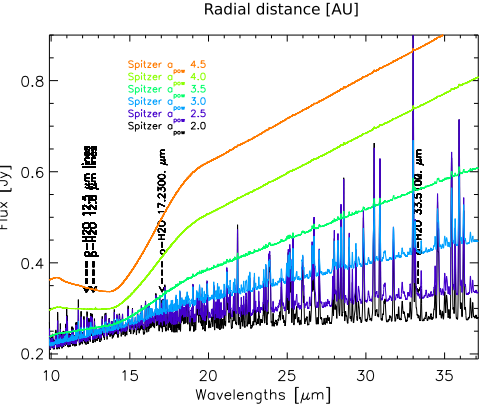

Emitting H_2O col. den. 12.407μm & 538.29μm [cm^{-2}]
N_{H_2O}, a_{pow} 2.0
N_{H_2O}, a_{pow} 2.5
N_{H_2O}, a_{pow} 3.0
N_{H_2O}, a_{pow} 3.5
N_{H_2O}, a_{pow} 4.0
N_{H_2O}, a_{pow} 4.5
12.407μm N_{H_2O}
538.29μm N_{H_2O}
reservoir A
reservoir B
reservoir C
Disk radius [AU]
(a)

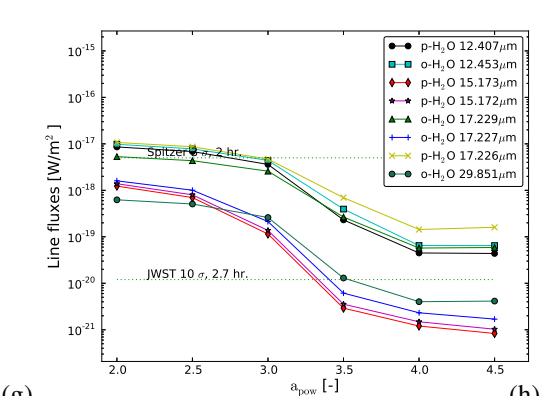

H_2O column density [cm^{-2}]
N_{H_2O}, a_{pow} 2.0
N_{H_2O}, a_{pow} 2.5
N_{H_2O}, a_{pow} 3.0
N_{H_2O}, a_{pow} 3.5
N_{H_2O}, a_{pow} 4.0
N_{H_2O}, a_{pow} 4.5
Disk radius [AU]
(b)

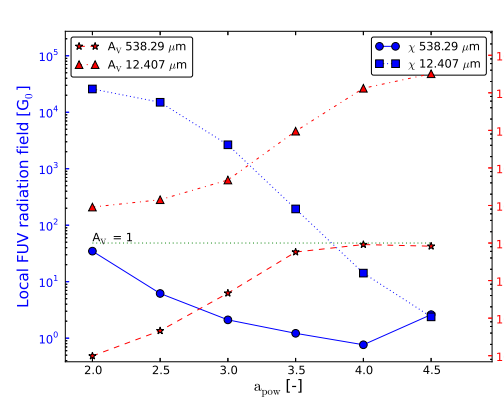

emitting regions of 12.407μm
Vertical distance [AU]
Radial distance [AU]
(c)


emitting regions of 538.29μm
Vertical distance [AU]
Radial distance [AU]
(d)


Flux [Jy]
Wavelengths [μm]
(e)


Flux [Jy]
Wavelengths [μm]
(f)


Line fluxes [W/m^2]
p-H_2O 12.407μm
o-H_2O 12.453μm
p-H_2O 15.173μm
p-H_2O 15.172μm
o-H_2O 17.229μm
o-H_2O 17.227μm
p-H_2O 17.226μm
o-H_2O 29.851μm
Spitzer 5 σ, 2 hr
JWST 10 σ, 2.7 hr
a_{pow} [-]
(g)


A_V 538.29 μm
A_V 12.407 μm
χ 538.29 μm
χ 12.407 μm
A_V = 1
Local FUV radiation field [G_0]
Local optical extinction [mag]
a_{pow} [-]
(h)