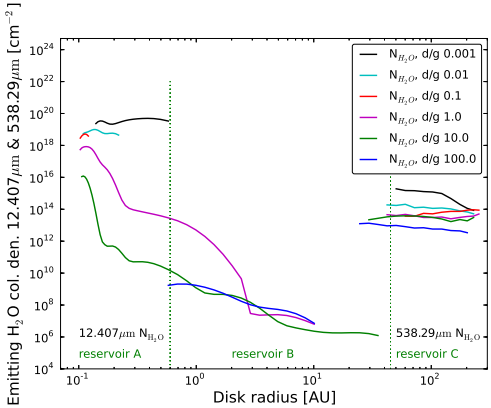
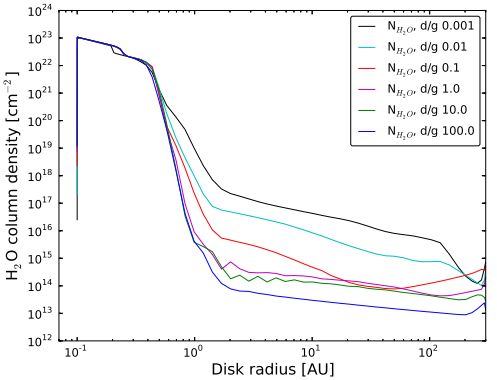
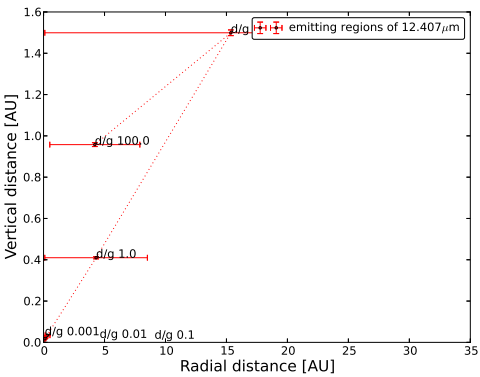

Emitting H_2O col. den. 12.407μm & 538.29μm [cm^{-2}]
N_{H_2O}, d/g 0.001
N_{H_2O}, d/g 0.01
N_{H_2O}, d/g 0.1
N_{H_2O}, d/g 1.0
N_{H_2O}, d/g 10.0
N_{H_2O}, d/g 100.0
12.407μm N_{H_2O}
reservoir A
reservoir B
538.29μm N_{H_2O}
reservoir C
Disk radius [AU]

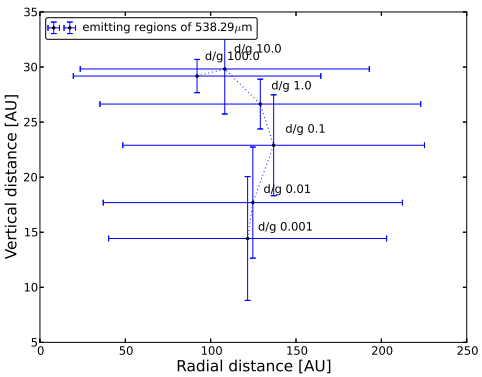
(a)


H_2O column density [cm^{-2}]
N_{H_2O}, d/g 0.001
N_{H_2O}, d/g 0.01
N_{H_2O}, d/g 0.1
N_{H_2O}, d/g 1.0
N_{H_2O}, d/g 10.0
N_{H_2O}, d/g 100.0
Disk radius [AU]

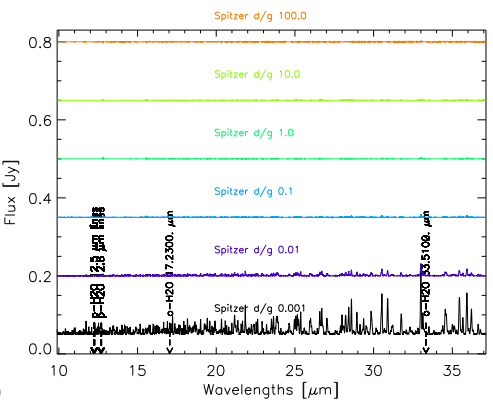
(b)


emitting regions of 12.407μm
d/g 100.0
d/g 1.0
d/g 0.001
d/g 0.01
d/g 0.1
Vertical distance [AU]
Radial distance [AU]

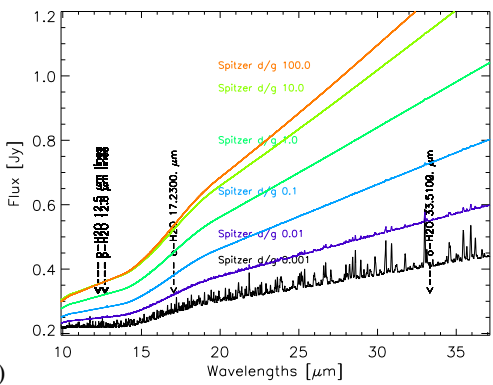
(c)


emitting regions of 538.29μm
d/g 100.0
d/g 10.0
d/g 1.0
d/g 0.1
d/g 0.01
d/g 0.001
Vertical distance [AU]
Radial distance [AU]

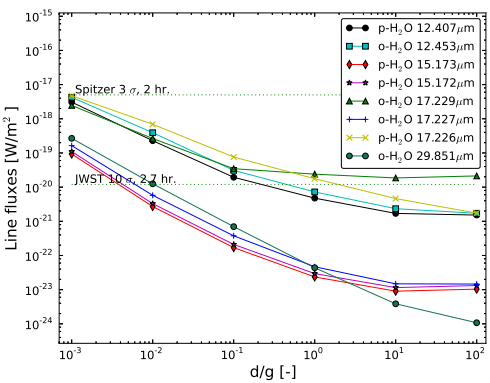
(d)


Spitzer d/g 100.0
Spitzer d/g 10.0
Spitzer d/g 1.0
Spitzer d/g 0.1
Spitzer d/g 0.01
Spitzer d/g 0.001
p-H2O 12.5 μm
o-H2O 17.2300 μm
o-H2O 33.5100 μm
Flux [Jy]
Wavelengths [μm]

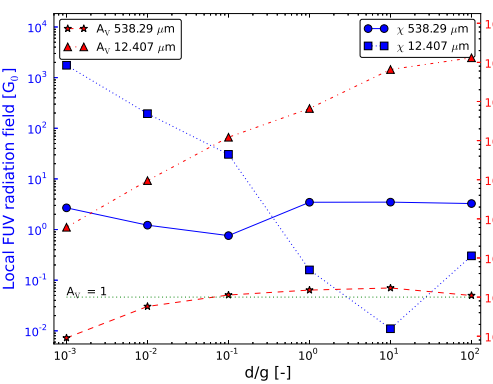
(e)


Spitzer d/g 100.0
Spitzer d/g 10.0
Spitzer d/g 1.0
Spitzer d/g 0.1
Spitzer d/g 0.01
Spitzer d/g 0.001
p-H2O 12.5 μm
o-H2O 17.2300 μm
o-H2O 33.5100 μm
Flux [Jy]
Wavelengths [μm]

(f)


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 3 σ, 2 hr.
JWST 10 σ, 2.7 hr.
Line fluxes [W/m^2]
d/g [-]

(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]
d/g [-]

(h)