



Covering and filling factors

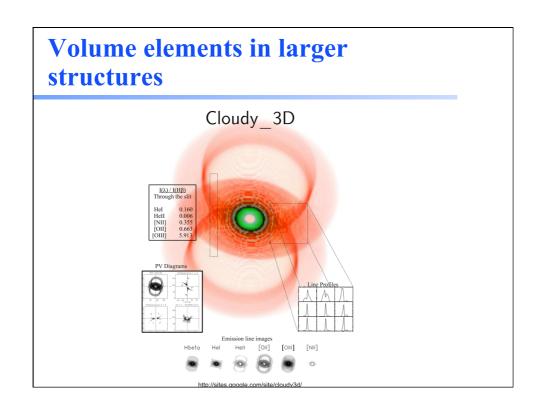
- Covering factor
 - -AGN3 ...
- Filling factor, how to do clumps
 - AGN3, hazy1

Clumping

- Filling factors, when clumps smaller than photon scale length
 - AGN3 Chap 5.9
 - Hazy 1, Sec 2.3.5



Clumping Add together distinct clouds, 1200 when clumps 1000 larger than photon scale 800 W₂(CIV) Å length 600 - Balwin+ 1995 400 ApJ 455, L119+ 200 10 log density log ionizing photon flux



We see the densest regions

- ◆ A telescope is a linear detector
- ◆ 8.6 Fluctuations density period . . .