References to keep track of:

**Context to habitability and disks**

(Bancelin + 2015): Water transport to HZ by asteroids

**Material Removal:**

(Beckwith,+2000):

(Lynden-Bell & Pringle 1974): Viscous accretion for gas removal in PPD

(Alexander + 2006): Photoevaporation for gas removal in PPD

(Grigorieva + 2007): sublimation of planetismals, photodesorption from dust – second generation gas

(Czechowski & Mann 2007): Vaporization of colliding dust particles – second generation gas

Notable Disks:

Beta Pic – edge on, 22 Myr, GAS (Nco ~ 6e-14 cm^-2 (Roberge+2000, Brandeker+2004)  
 Fernandez + 2006 thinks gas is probably secondary

HD 32297 – gas via NaI (Redfield 2007)

49 Ceti – 13 Mearth worth of molecular gas (Zuckerman+1995, Dent +2005, Hugest + 2008)

Thayne’s disk – Young solar analog?

HR 4796

AU Mic