Fractional Columns for O | Constant temp: 10^4.5 OI 10<sup>0</sup> OII Haction 10<sup>-2</sup> OIII OIV OV OVI U 10<sup>-3</sup> OVII OVIII OIX tot  $10^{-5}$  $10^{-6}$  $10^{-3}$  $10^{-4}$ Hydrogen density ( $cm^{-3}$ )