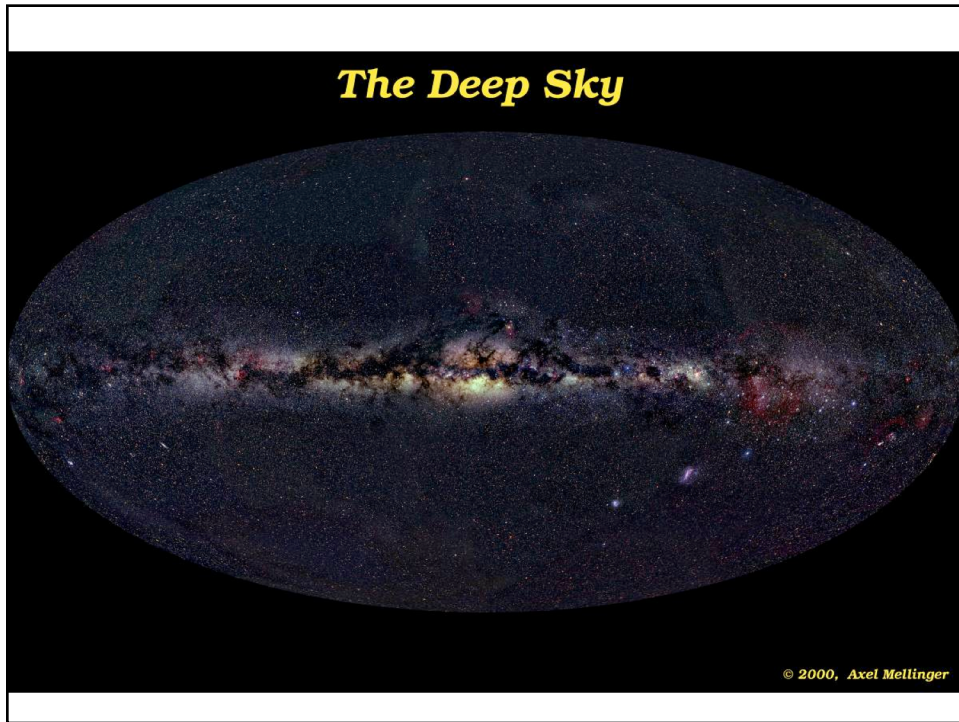
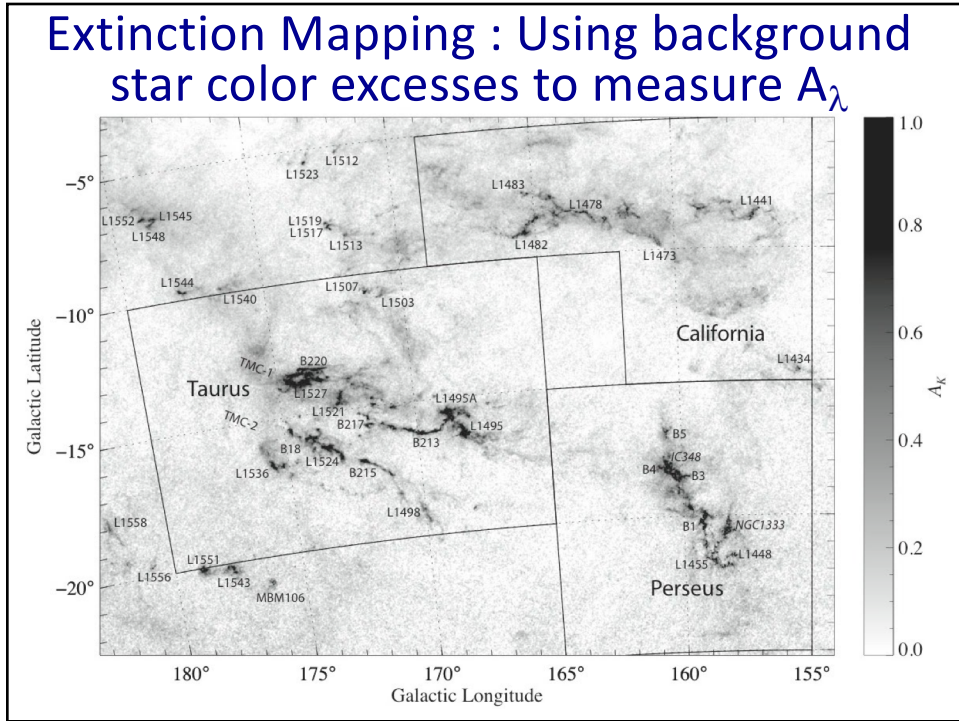
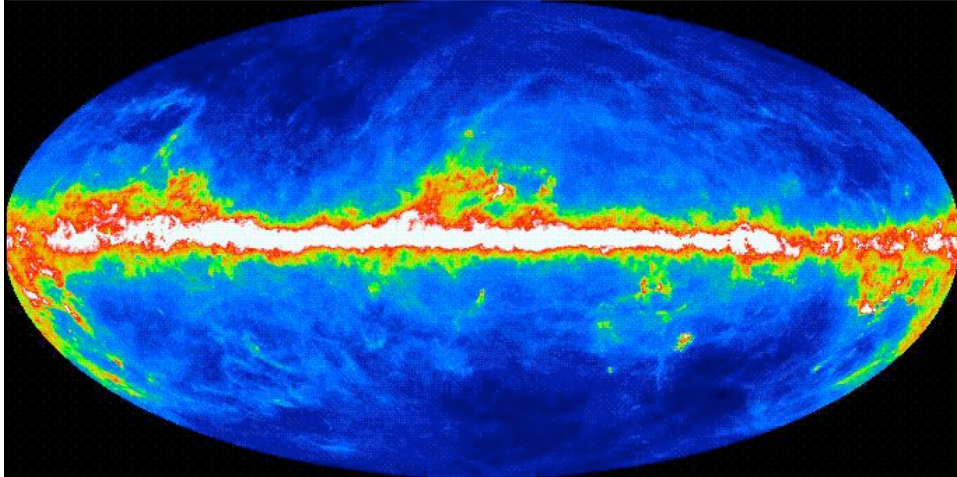


## Extinction Mapping : Using background star color excesses to measure $A_\lambda$

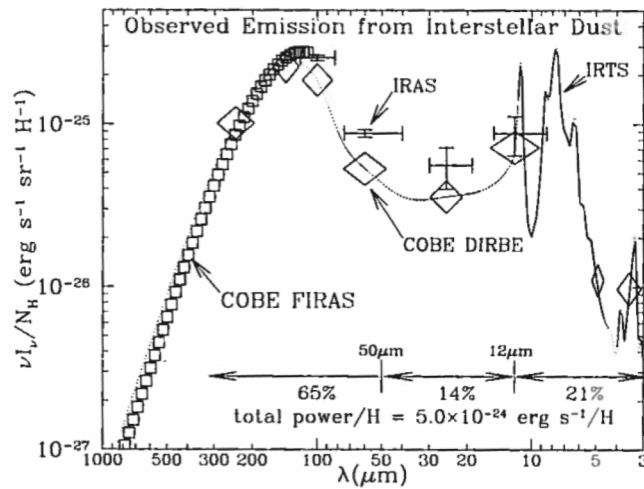


## Milky Way 100 $\mu\text{m}$



IRAS/NASA

## Milky Way Dust Emission



**Figure 21.6** Observed infrared emission per H nucleon from dust heated by the average starlight background in the local Milky Way. Crosses: IRAS (Boulanger & Perault 1988); squares: COBE-FIRAS (Wright et al. 1991); diamonds: COBE-DIRBE (Arendt et al. 1998); heavy curve: IRTS (Onaka et al. 1996; Tanaka et al. 1996). The interpolated dotted line is used to estimate the total power.