

Chicago Talk 10-18-46

Discussion of celestial names, Tychon is Sagittarius the Archer.

Discussion of solar system from sun to earth, then to Pluto

Nearest stars & systems.

1st slide (Andromeda), similarity to Milkyway, position of arm, size spiral arms.

2nd slide (M31 or S), illuminated gaseous clouds & dark patches.

3rd slide (Hubble's Nebula), clouds of dust & smoke obscure light.

Discussion of Spitzer discovery, not Cosmic Rays.

4th slide (machine) special apparatus.

5th slide (") more discussion.

6th slide (sample traces), auto record etc.

7th slide (elliptical plots) Sagittarius, Cygnus, Cass., Canis Major, ^{Pegasus}

8th slide (plot in galactic equator), similarity to 1st slide.

9th slide (Hey 64mc data) similarity to 7th slide

Discussion of Sun and black body.

10th slide (Southworth data) - from 160mc + 480mc points.

11th slide (Pawsey at 200mc) enhancement greater at low freq.

Source of enhancement probably in the spots.

Return to first slide (Andromeda) 800,000 years.

DX record $5 \cdot 10^{18}$ miles