

Course of General Astronomy



Gulu University

Naples FEDERICO II University



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Overview

General Astronomy

Overview

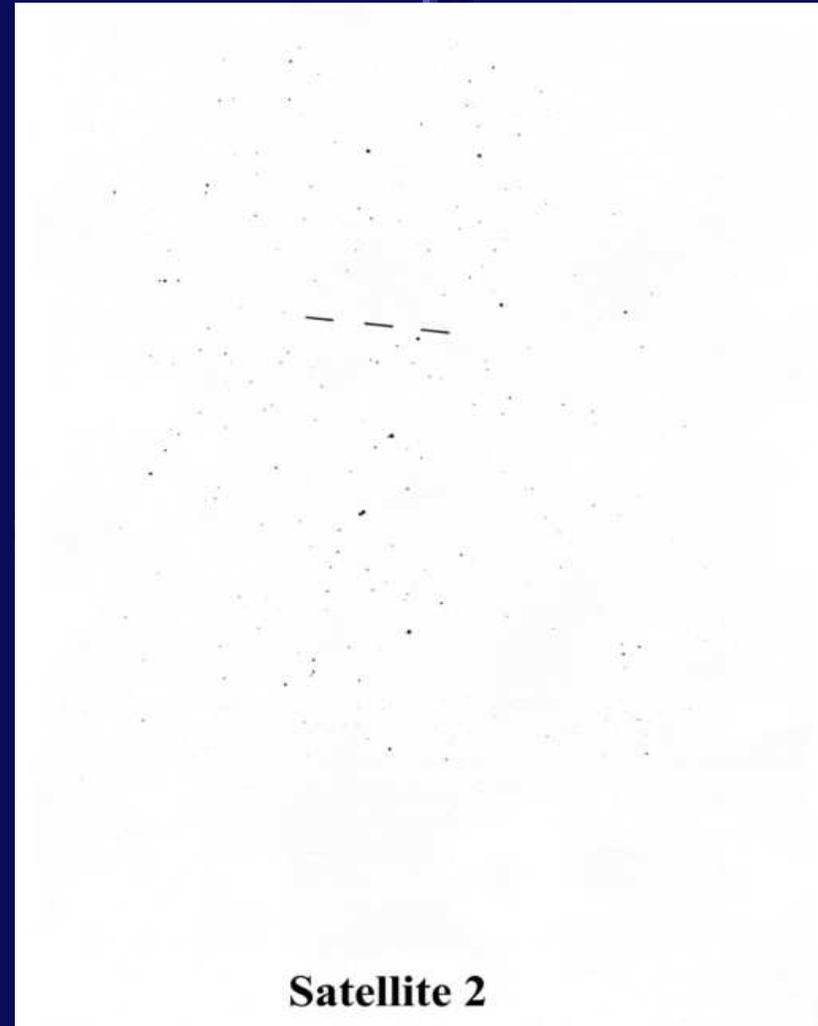
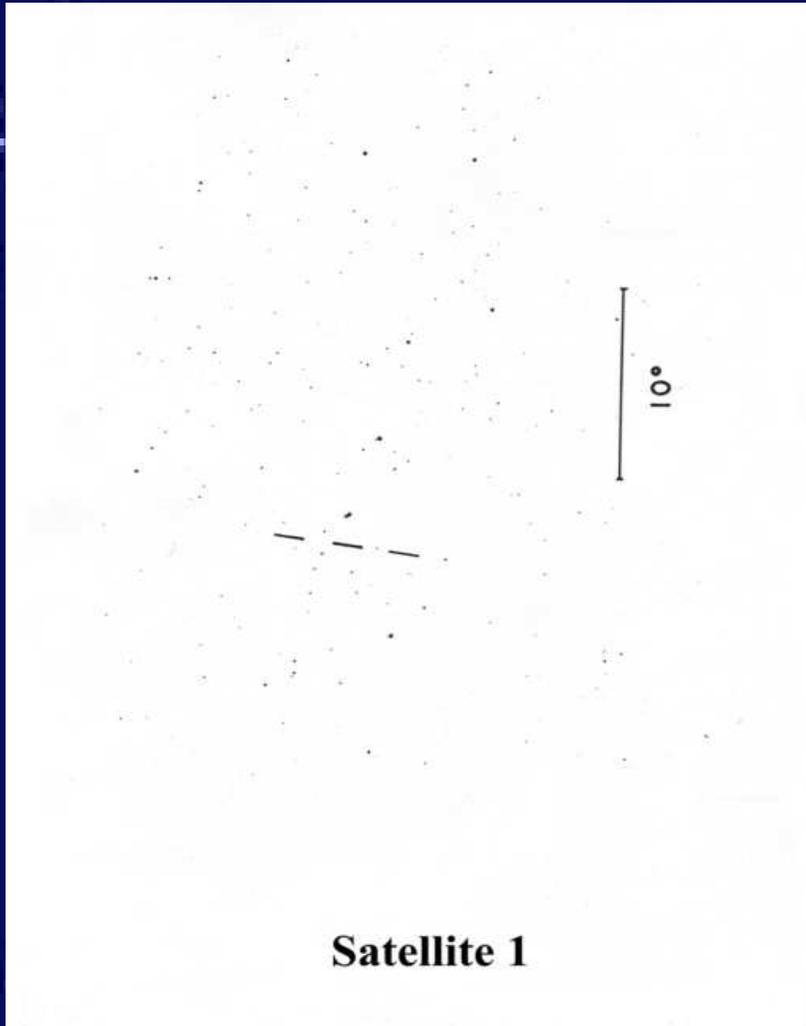
Teacher: Luigi A. Smaldone
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10 SESSIONS
(3 hours each)

Mix of Lecture and Lab-work

Lab Work : 1

Earth mass determination



Experiment 2: Barnard's Star kinematics

Experiment 3: Andromeda Galaxy Mass

Experiment 4: Distance to the Galaxy M87

Experiment 5: Distance to Nova Aquilae

Experiment 6: Density of Crab Nebula Pulsar

Experiment 7:

Hubble Constant and Age of Universe

Lectures:

- Trigonometric Techniques for Distance Measurements
- Thermal Emission of Light (**Black Body Radiation**)
- Stellar Spectral Classification & H-R Diagram
- Solar Radiation & Equilibrium Temperature of Planets (**global warming and greenhouse effect**)
- Stellar Evolution
- Basic Cosmology

(Solar System Overview, Astronomical Coordinate Systems



Go! Go! Go!

We have to go so far ...

we need run !!!