Workshop Photography

Workshop Photography

Aim:	How:	Important:
Trajectories	Multistation Photography	Accuracy

Workshop Photography

Overview

1. Preparations

2. Observing

3. Developing

4. Administration

5. Photo-CD

6. Measuring (AstroRecord)

7. Calculations (Firbal)

8. Publication (A&A, Meteoritics, etc.)

Workshop Photography

Critical

➢ Weatherconditions

➢ Preparations

➢ Organisation

➢ Skilled observers

➢ Procedures

➢ Technics

➢ Endurance

➢ The fun!

Workshop Photography

Requerements

☺ Accuracy!

☺ Automatic

☺ Rapid change of exposuretime (possibility)

☺ Small, light and flexibel

☺ Independent of main power supply

Workshop Photography

Main components

- 11 Canon T-70 + 1.8/50 + Commandback
- Sector + motor
- Controlling electronics + powersupply
- Heating resistors + power supply

Workshop Photography

Accuracy

- ✔ 1.8/50 optics instead of all-sky
- ✔ Kodak Tri-X 400
- ✔ 2 Commandbacks to switch between exposuretimes
- ✔ Sector with 6 or 8 openings: 75 or 100 breaks/second
- ✔ Sector and camera's are setup separated
- ✔ CD resolution: 2048x3072

Workshop Photography

☞ Preparations

☞ Observing

☞ Film handling after observations

Workshop Photography

The preparation

- ☞ Determinate location (GPS)
- ☞ Condition of the camera's
- ☞ Battery
- ☞ Film
- ☞ Infinity & aperture-stop
- ☞ Command Back
- ☞ 1 Test shot
- ☞ Sector
- ☞ Heating
- ☞ Power supply
- ☞ Spare materials

Workshop Photography

The observing

- ☞ Transport to location
- ☞ Setting-up equipment
- ☞ Start power supply
- ☞ Heating on
- ☞ Take off the lenscaps
- ☞ Last control before starting
- ☞ Start sector
- ☞ Start exposure with the commandback
- ☞ Recording data on memorecorder
- ☞ Contacting other teams (GSM)

Workshop Photography

The "first" analysis

☞ Developing films

☞ Archiving films

☞ Searching meteors

☞ Administration in spreadsheet

☞ Transfering negatives to photo-CD

☞ Completing spreadsheet

☞ Publication on website **www.dmsweb.org**

☞ Publication in "Radiant"