

# Leonids 2001: Discussion on Analysis NAOC, CAS & DMS



# *Leonids 2001: Discussion on Analysis*

How to proceed / What to discuss?

1. Aim / Goal
2. How to proceed
3. Where / When / Who
4. Publications
5. Demo AstroRecord

# *Leonids 2001: Discussion on Analysis*

## *Aim / Goal:*

Visual and Video (photo?) e-ZHR's (peaktime, max, FWHM)

Trajectories from multistation photography and video

Photometry by Dr. Jiang

Combining observing methods

Publication(s) in WGN, A&A, AJ, MPS, EPS, EM&P

*DMS & NAOC, CAS*

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## How to proceed on Visual

Using DMS & IMO working method:

- Obstruction & Clouds
- $C_p$  (perception coefficient)
- $r$  (population index)
- Limiting magnitude
- Radiant height
- BIN-value

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## How to proceed on Photography:

- Developing negatives
- Images on Photo-CD
- AstroRecord & Starcatalog DB (demo)
- Firbal software (orbital elements)

*DMS & NAOC, CAS*

*DMS & NAOC, CAS*

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## How to proceed on Video:

- Copying tapes
- Digitising frames to AVI-fileformat
- Transferring to CD
- AstroRecord
- Firbal software (orbital elements)

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## How to proceed on Photometry:

- Explanation by Dr. Jiang

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## How to proceed on comparing observational methods?

- Visual / Video / Photo : eZHR
- Photo / Video : orbital elements
- Video / Photometry : meteor parameters
- ???



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## Where, When, Who: a proposal

- Visual: by observers themselves
- Photo: developing, transferring to photo-CD, measuring, calculations
- Video: copying, digitising, measuring, calculations
- Photometry

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## Publications

- Visual: in M&PS?
- Photo/Video: in AJ or A&A?
- Photometry/Video: in AJ or A&A?

*Time-schedule: please refer to KNAW/CAS proposal*