

Posmatranje meteora: škole, kampovi, konferencije

2.11.2019.

Katedra za astronomiju

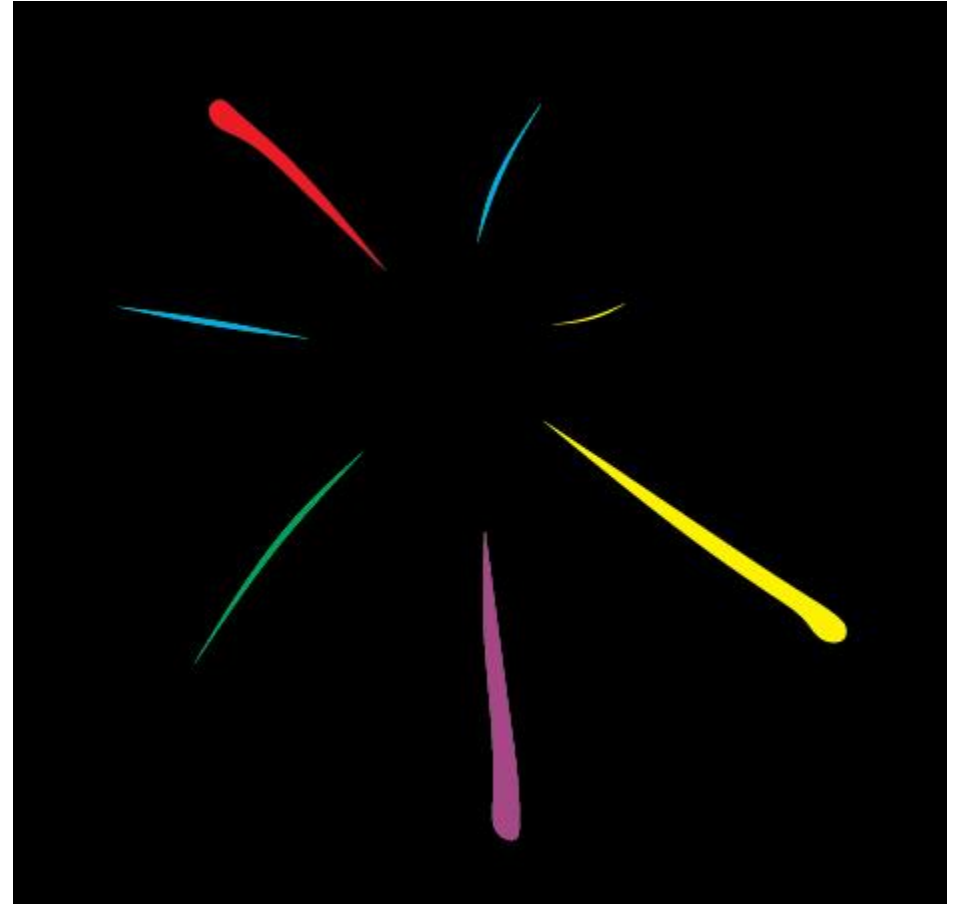
Ivan Stanković

223/2017

Matematički fakultet

Meteori u Srbiji

- Petnička meteorska grupa
- druge grupe



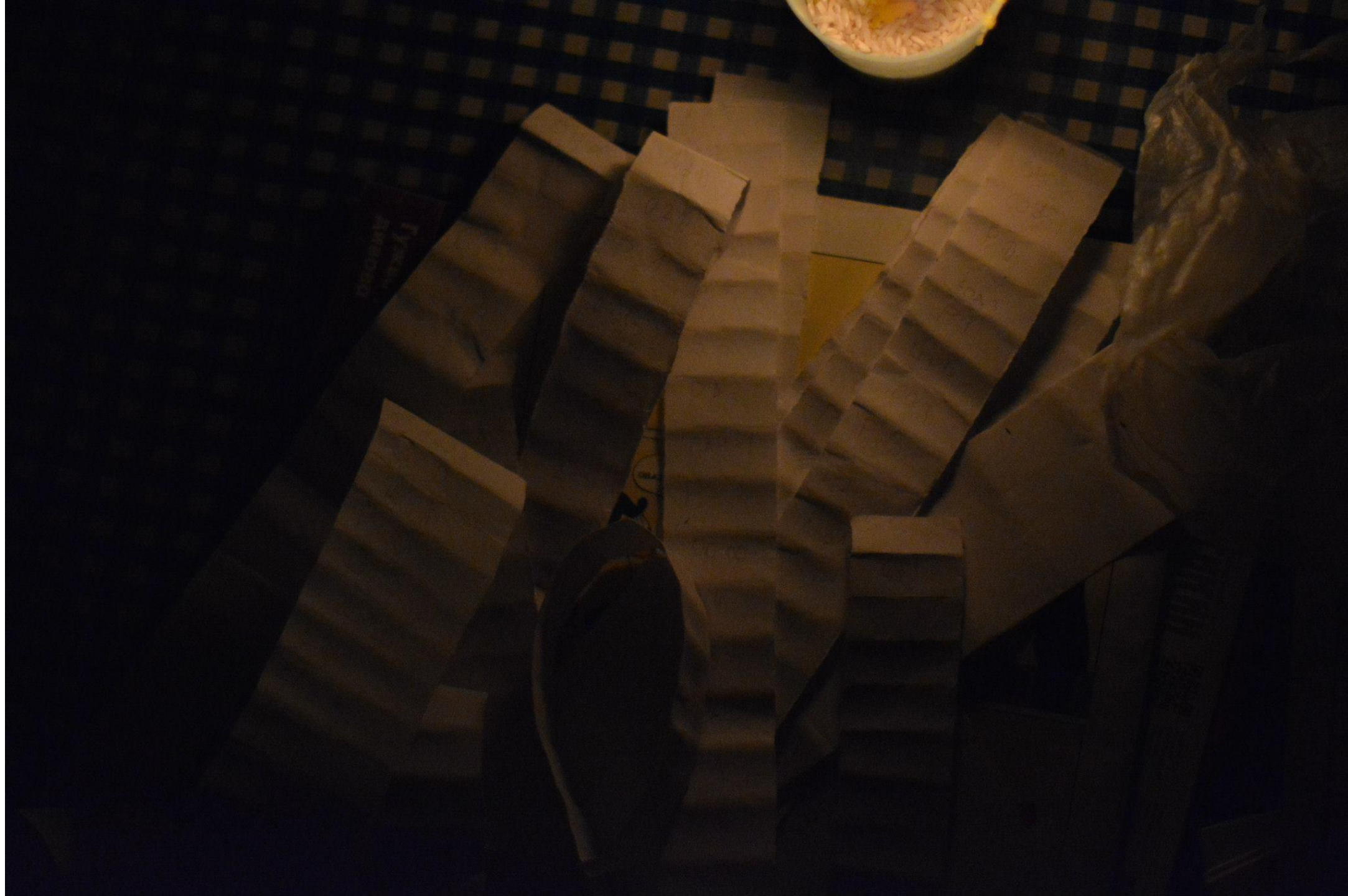
Vizuelna posmatranja

- praktično nepromenjen način posmatranja 30 godina
- najveći izvor podataka o meteorskim rojevima
- inovacije i automatizacija?











Meteor Notebook

schutzekatze Weather

PEGI 3

This app is compatible with your device.

Installed



Video posmatranja

- manje zastupljena od vizuelnih
- potrebna standardizacija
- potrebno iskoristiti već dobijene snimke



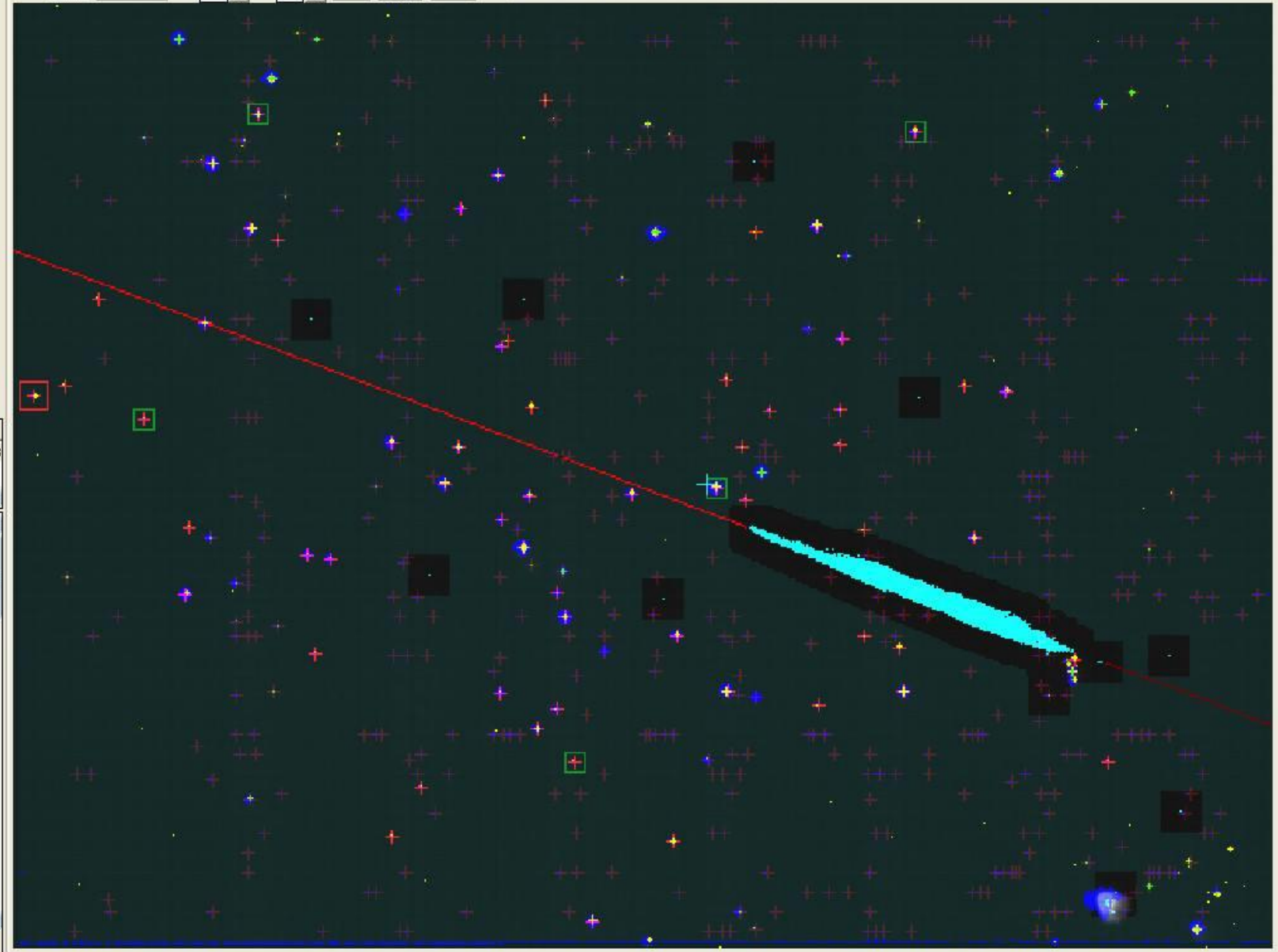


Main Profile/Analyze Class Plot Uty View Mask Editor Trail Map Ground Map

read P save P save A

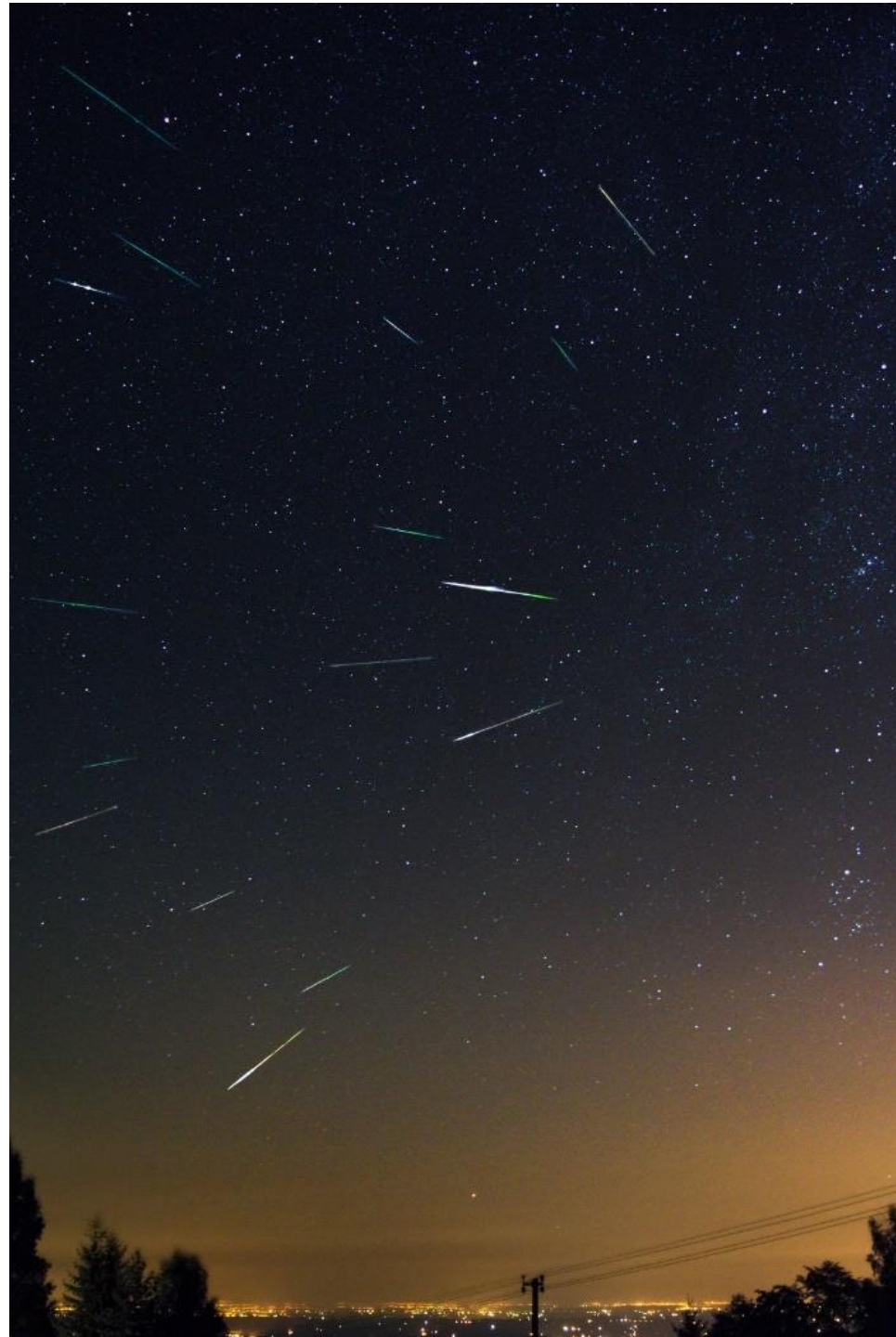
lid DBrdo sid observer DBrdo intlc
 can AT-902H lens cap bbf
 lng 19.6864 lat 44.1583 alt 036 tz 0
 tme 1.0 memo step 000.100
 fovH 59.4690 yx 1.0034 atc 58.3
 k4 0.0000 k3 -0.0183 k2 -0.0027
 dx 32.39 dy -5.06 rot 20.6802
 az 80.9380 ev 60.3642 move
 adj pos all ddpix lrr mask 598 link 60
 A D J U S T
 pos 0.00001 dpx avr 0.289 max 0.546
 levH 255 magL 2.6091 ddeg avr 0.026 max 0.050
 levL 70 magL 4.0000 bvf 0.30
 analyze n=28 m=-2.50*log(L)+8.63 (+/-0.78)
 retry ddl 6 leap 40 f1 -1 f2 -1
 click1 click2 mod h add a obj delete a obj delete a cip

prev edit auto link clear link lim 7
 next auto < SD L- 5 R- 5
 link manual link U- 5 D- 5 mg r saveN save x1
 5.0 reload x1 az 0638 y 0441
 ra 028.7301 dc 12.6804
 543-> no star



class	m	sec	mag	cdeg	dr	dv	Vo	av
spo	2,560	-2...	0,029	-...	-1	-1,0	6,43	

clip_name	o	class	mag	sec
M20121213_163635_DBrdo_	0		0,0	0,0
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M20121213_173608_DBrdo_	1	spo	-2,0	2,6
M20121213_174637_DBrdo_	0		0,0	0,0
M20121213_185258_DBrdo_	0		0,0	0,0
M20121213_185904_DBrdo_	0		0,0	0,0
M20121213_191551_DBrdo_	0		0,0	0,0
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M20121213_211519_DBrdo_	0		0,0	0,0



Škola meteorske astronomije

- obrazovan karakter
- veliki broj tema
- projekti



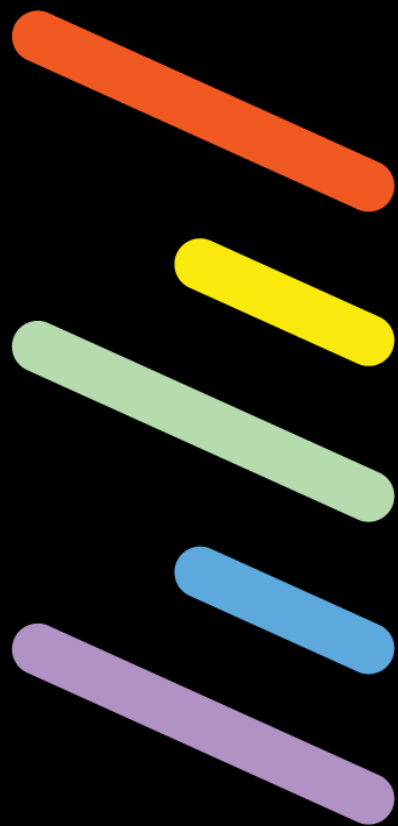


Projekti u toku na ŠMA

- Simulacija ablacije (Anđela Ranković)
- Analiza aktivnosti Geminida na osnovu vizuelnih posmatranja (Aleksija Milošević i Vesna Milošević)
- Analiza aktivnosti Geminida na osnovu radio posmatranja, tj. RMOB baze (Maša Nađalin i Elena Vlašković)
- Simulacija i eksperiment krive sjaja asteroida nepravilnog oblika (Anamarija Dujić, Milica Sladaković i Filip Stevanović)
- Analiza video posmatranja / krive sjaja (Katarina Tadić i Milica Misimović)

Konferencije

- jednom godišnje IMC
- amaterska konferencija
- 1997. i 2017. održana u Srbiji



IMC

2017 PETNICA

Hvala na pažnji!

The screenshot displays the UFOAnalyzerV2 software interface. The main window shows a dark, grainy image of a meteor streaking across the sky. The interface includes a menu bar (Main, Profile/Analyze, Class, Plot, Uty), a toolbar with various analysis tools, and a status bar at the bottom. The status bar displays the following information: 2014/08/05 01:49:59.779 0082 00070 V21850+204 UFDCaptureV2. The system tray shows the time as 9:31 PM on 8/5/2014.

UFOAnalyzerV2 F:\Sova\M20140805_014958_Debelo_Brd_

Main Profile/Analyze Class Plot Uty

View Mask Editor Trail Map Ground Map

prev Still HitM AreaM ScIM Az Ra S 5.0 save x 0631 y 0360 b 006 m 5.5
next > << >> H D.I.stepping save click x1 az 083.7093 ev 34.5576
ra 067.9838 dc 27.3844
D=173.13km(H:100km) am=4.3

Clip dir use dir profile

add D:\meteor\precisceno\2011105
D:\meteor\precisceno\201110
D:\meteor\precisceno\201210
alloff * F:\Sova

Date all range latest
Y 2007 M 1 D 1 H 12 days
read dir analyze all A ddl 5 Foml > Mcsv

Doc F:\Sova

1 clips delete a obj delete a clip

class	m	sec	m...	cdeg	dr	dv	Vo	av
clip_name	o	class	m..	sec	media			
M20140805_014958_Debelo_...	0	0...	0.0	AJM	t			

2014/08/05 01:49:59.779 0082 00070 V21850+204 UFDCaptureV2

SR 9:31 PM 8/5/2014