



SVAP 2017 (June)



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Who?



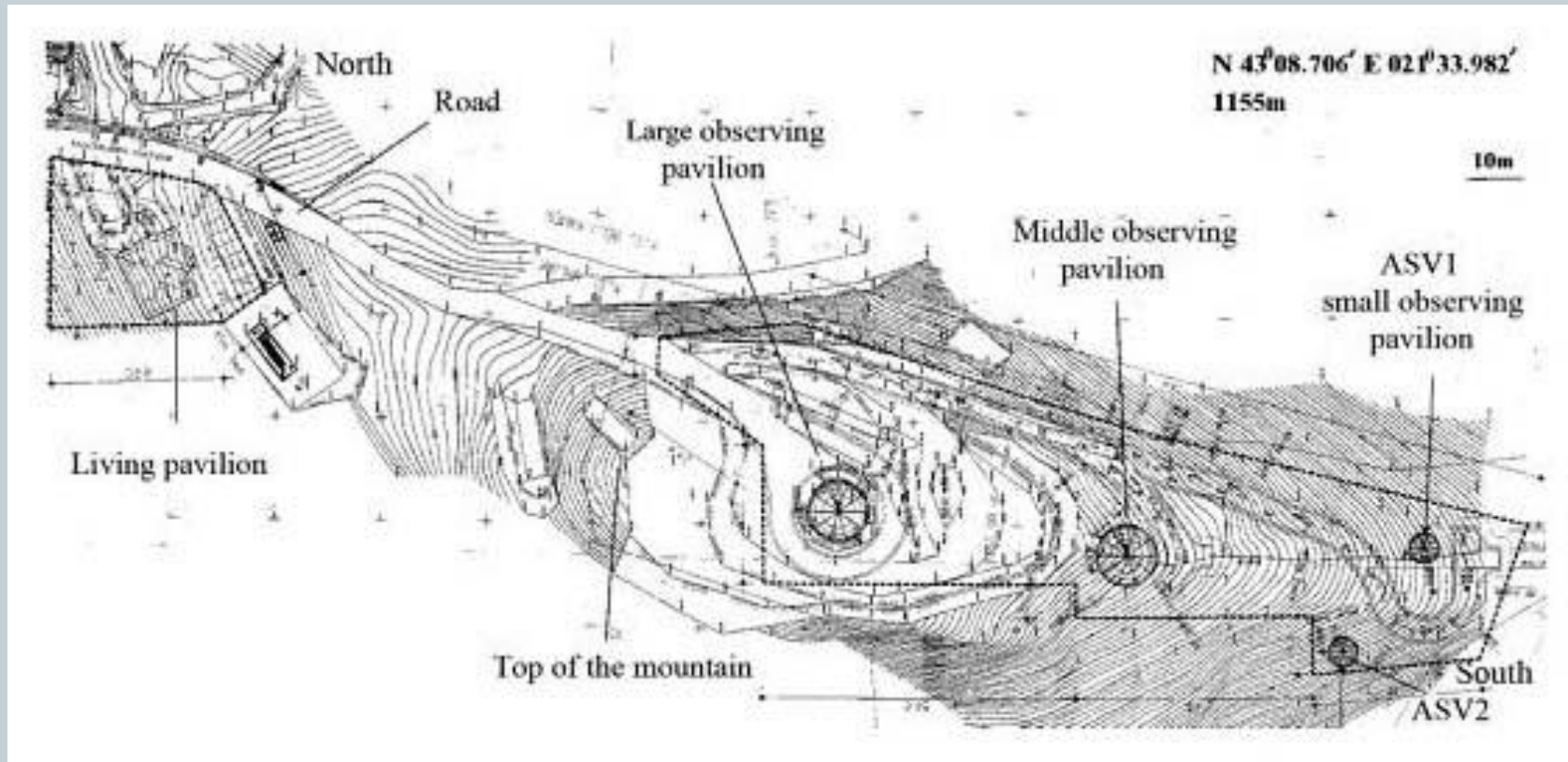
Where?

The Astronomical Station Vidojevica is observation site established by Astronomical Observatory of Belgrade

AS Vidojevica is located on Mt. Vidojevica near Prokuplje, at an elevation of 1150m



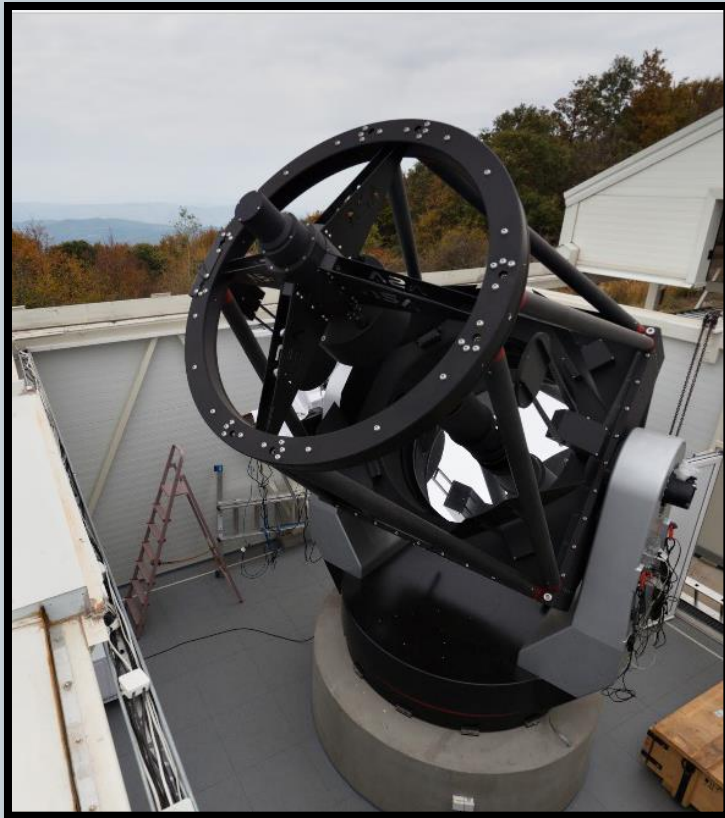
Observing site





Telescopes

1.4m Ritchey Chretien
(ASA)



60cm Cassegrain
(Astroptic)

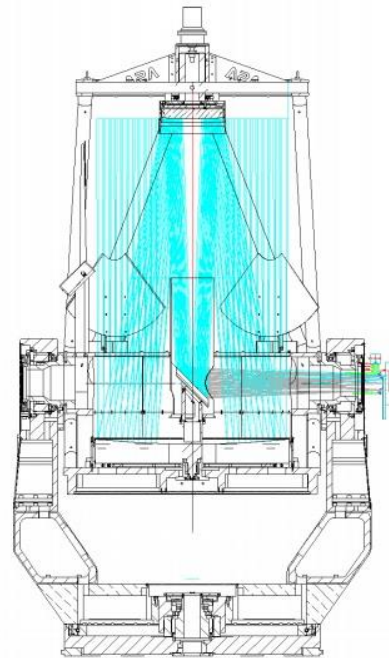


New Telescope “Milanković”

Construction Details

System Data:

- 1.4m diameter Ritchey Chretien Optics
- $F=11200\text{mm}$ focal length
- Field corrector for 120mm flat field
- several Nasmyth focus stages
- up to 6 degree per second slewing speed



Activate Windows
Go to PC settings to activate

New pavilion building



And some work being done



What is being done?



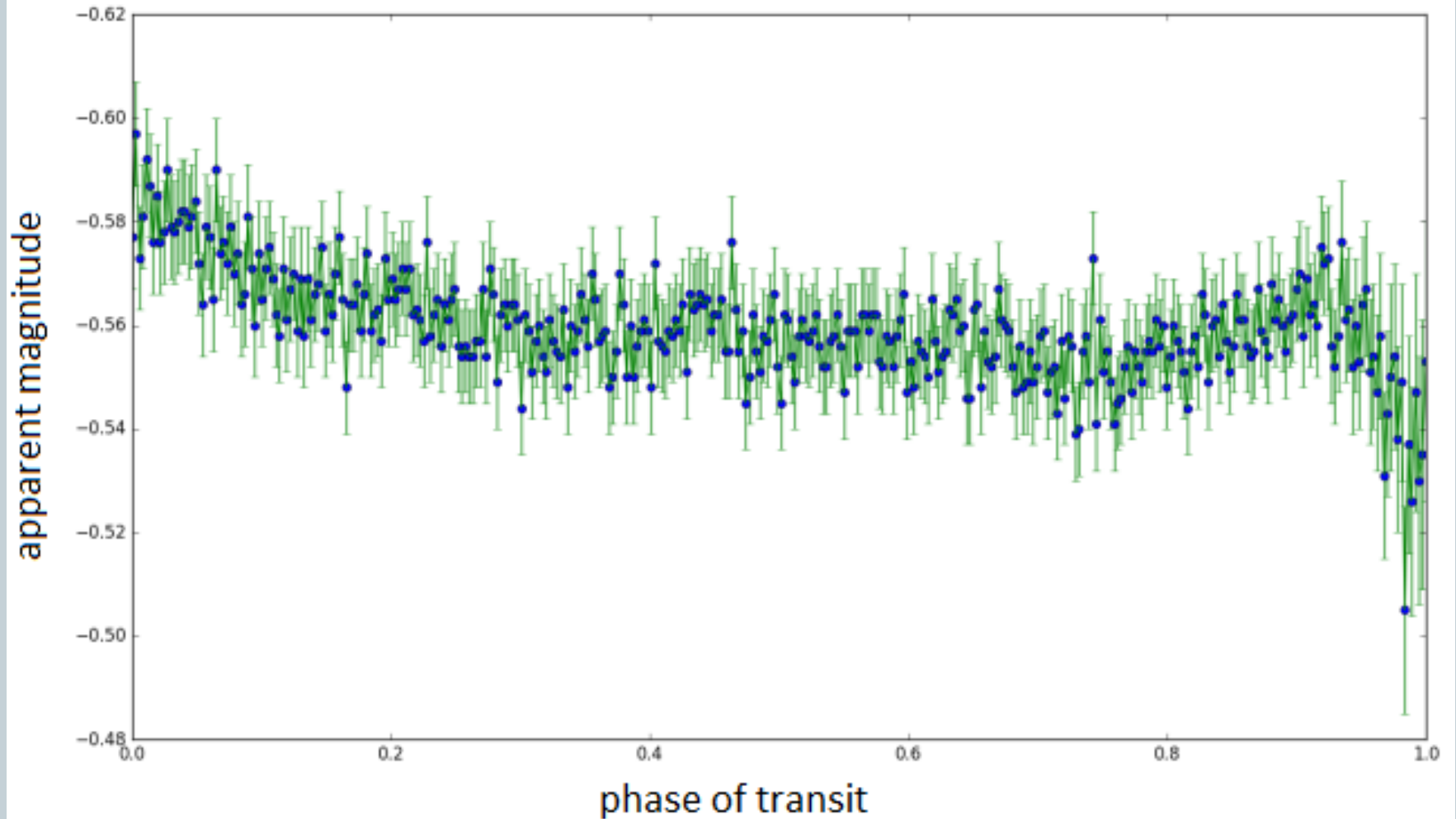
- Poor weather conditions! → Backup plan!
- 2015 SVAP:
 - Transit of extrasolar planet Kepler 6b
 - 3 Messier's objects:
 - ✦ M 51 – whirlpool galaxy
 - ✦ M 66 – spiral galaxy
 - ✦ M 81 – starburst galaxy

Data analysis



- **IRAF: Image Reduction and Analysis Facility**
 - Extrasolar planetary transit
- **Maxim DL**
 - Color images of different Messier objects
- **Reduction process:**
 - Flat-field; bias; dark

Change in apparent magnitude of parent star, Kepler 6



M 51



M 66



M 82





Thank you for your time! 😊