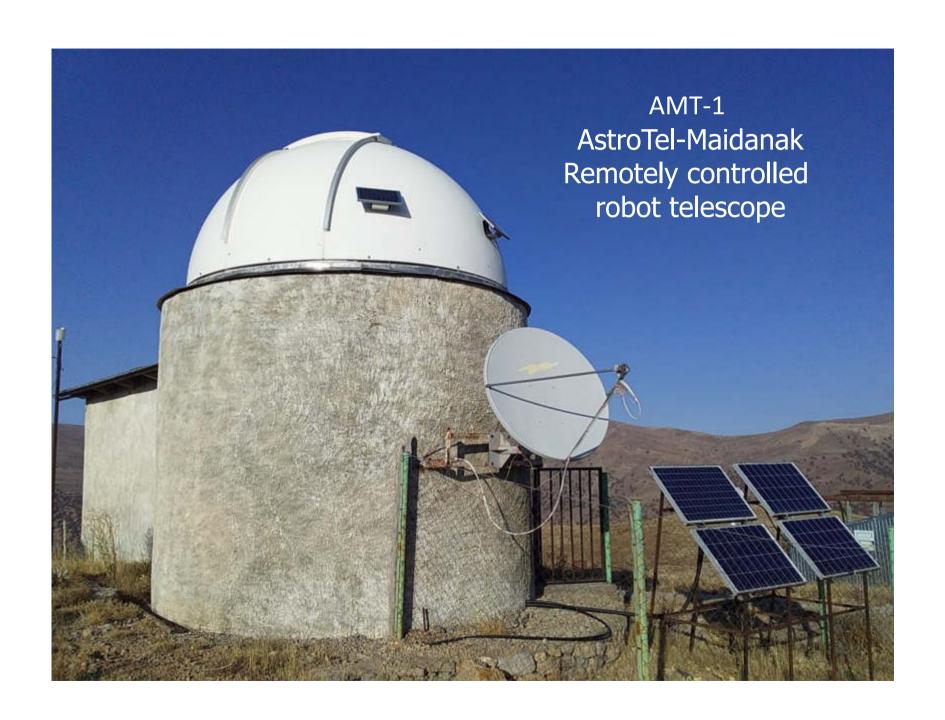
#### Ulugh Begh Astronomical institute Maidanak Astronomical Observatory

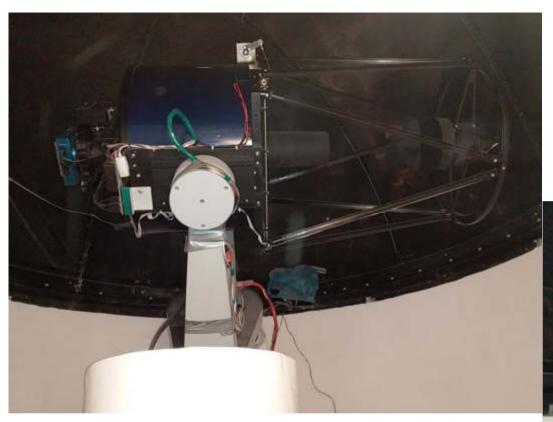
# Observation with Astrotel – telescope

Karimov R., Satovskiy B., Burhonov O., Hafizov B. & MAO team

## Construction and installation of telescope

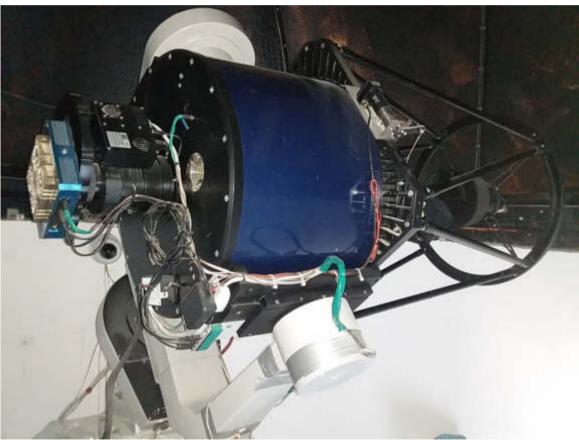






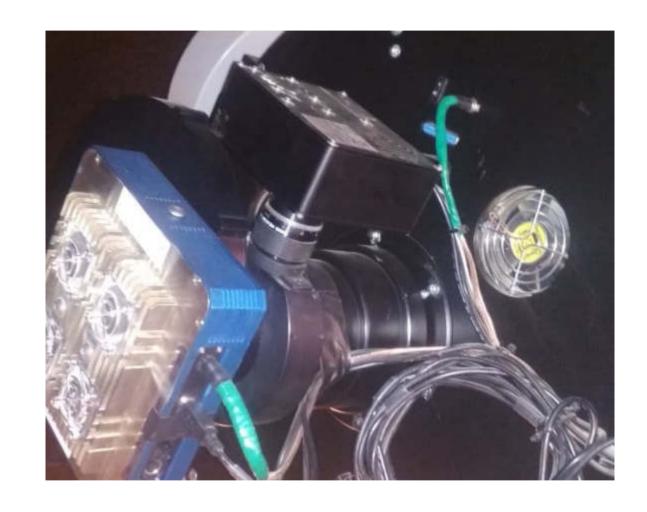
#### ASTROSIB RC500

Optical configuration: Corrected Ritchey-Chretien,F=4000mm, f/8, D=0.508 mm Fork Mount



Equipment: Apogee Alta U16M CCD 4096x4096 pixel size in arcsec - 0.45 FOV = 31' x 31'

Autoguiding camera: SBIG ST-402XME CCD 765x510





- The dome was sealed
- Replaced dome control board
- The mirror was cleaned







replaced the batteries for uninterruptible power supply of the entire complex of equipment

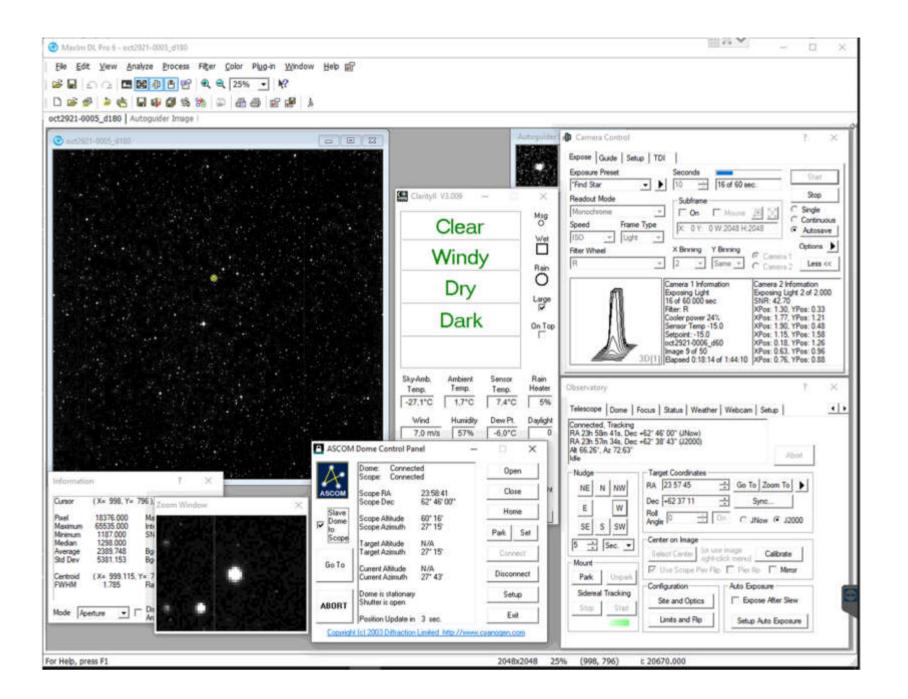


- the meteo station was repaired



- renovated the observer room and dome space
- replaced the control computer
- updated software

Telescope and dome control software - updated from 32 bit Win XP OS system to 64 bit Win 10 OS (ASCOM drivers & MaxIm DL)

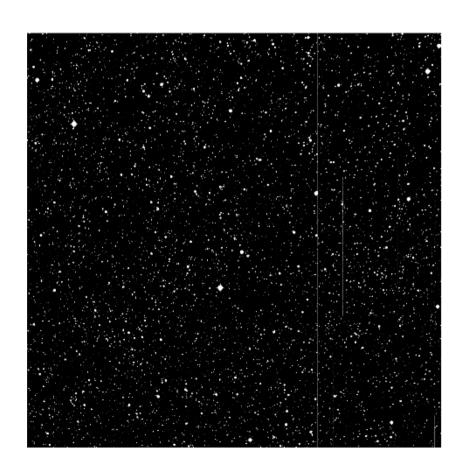


## Remote observation statistics (Summer-Autumn 2021)

Month	Nights	Dur. of obs.*
June	8	35.125 h
July	5	29.525 h
August	24	168,5 h
September	21	150 h
October	12	62.25 h
Total	70	445.4 h

<sup>\*</sup> the duration of observations does not include the readout time, and the time spent to take the calibration frames

## Example



Field-1 RA 20:21:46 DE +26:41:33

Number of images – 1533 Exposure – 90 sec.

Number of variable stars - 15 RR Lyrae type – 4 Eclipsing variables - 9 Probably new variables - 2

## Preliminary result, Field-1, Phased light curves

