



23-24 August 2025







Contribution of Amateur Astronomers from Bejaia to the Observation of Stellar Occultation by Asteroids in Algeria

Presented by:

ALLIK Mohamed Lamine

League of Scientific and Technical
Activities for the Youth of
BEJAIA

Summary

This presentation will focus on:

- who is the scientific league of Bejaia.
- •the essential activities of our astronomy club.
- •Results and observation of participation in the national occultation 2016- 2025.
- perspectives ...

League of Scientific and Technical Activities for the Youth of Bejaia

Is an association founded in 1991. Its main goal is to promote scientific culture among young people.



Some areas of activity:

- Ecology and environment.
- Robotics and computer science
- Organization of scientific competitions
- Astronomie and astrophotography





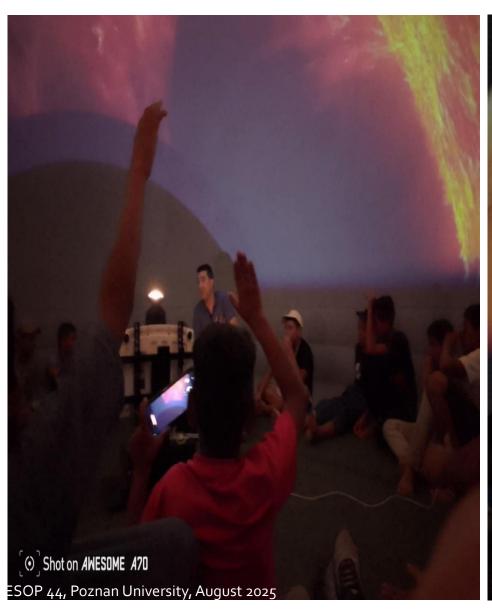
Popularization of astronomy among children





Planetarium session









workshop for children (making a sky Map)







ESOP 44, Poznan University, August 2025

stargazing organization for the general public











collaboration with other organizations (SCOUT of Kherrata)











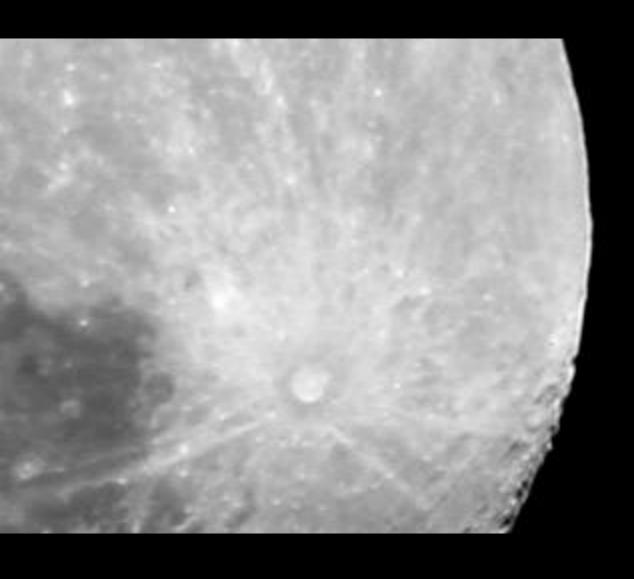
Participation in national astro events



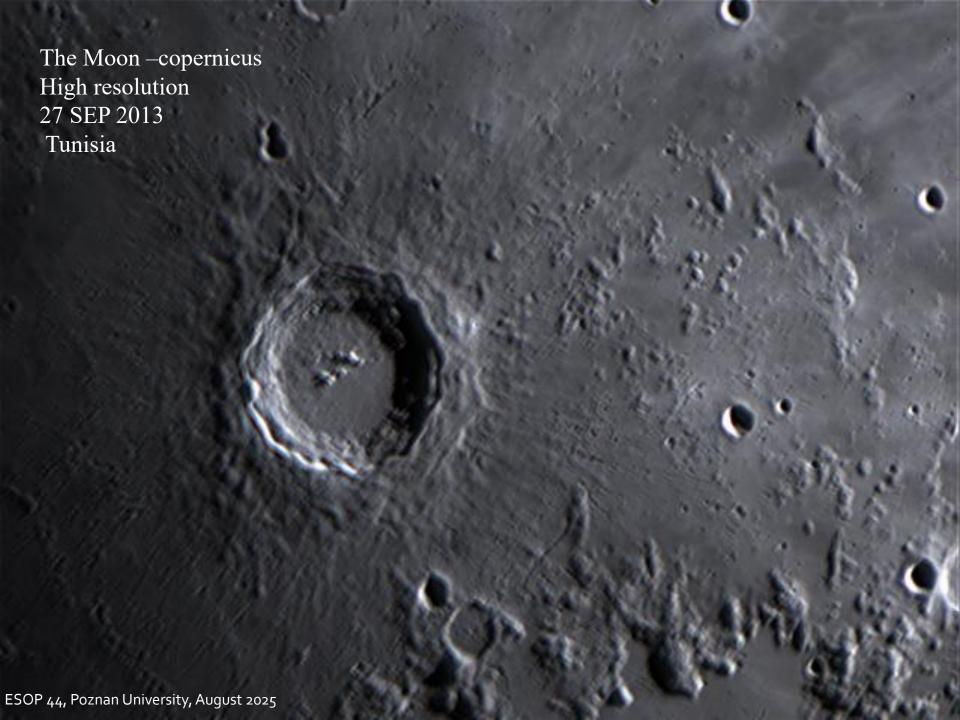




Astrophotography



The Moon And ISS



JUPITER 27 SEP 2013



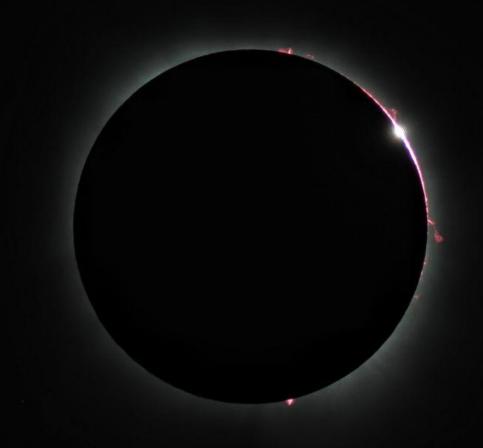
Partial lunar eclipse 28 SEP 2015 Kherrata



Total Lunar eclipse 17 JUI 2019 Kherrata



Total Solar eclipse 08 JUI 2024 Texas USA



ALLIK MOHAMED LAMINE 08/04/2024 TEXAS USA

The Comet

C/2020 F3 Neowise 21 JUI 2020 Kherrata

The Comet







Our greatest achievement
Before May 10,2024
No one imagined that this could exist in Algeria.

The discovery and documentation of the Northern Lights
(Aurora Borealis)
in Algeria

A historic photo at 36° north latitude







Spaceweather.com

REALTIME IMAGE GALLERY

Aurora

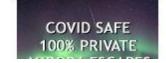
Taken by Allik mohamed lamine on May 10, 2024 @ bejaia, algeria



previous | next

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Participation in the National Meeting Ocultation in Algeria 2016- 2025.

We participate from December 8 to 10, 2016 at the first national training in asteroidal occultation
In souidania Algiers

It was our first experience





On August 06 th, 2017
we participated and organized the
regional meeting on stellar occultation by asteroids
in tichy BEJAIA

For the first time in Algeria, 12 telescopes and 9 association were brought together for observation.



Centre de Recherche en Astronomie, Astrophysique et Géophysique مركز البحث في علم الفلك والفيزياء الفلكية وفيزياء الأرض

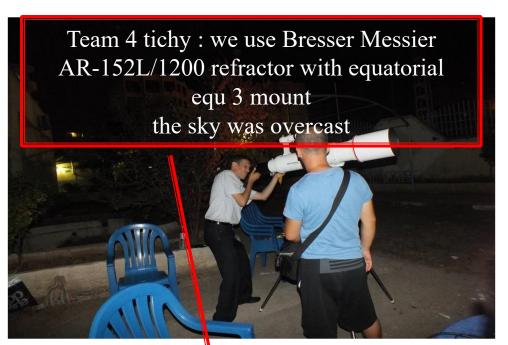
Observation régionale de l'occultation stellaire de l'étoile HIP 104172 par l'astéroïde 5247 Krylov à Tichy (Béjaïa) le Dimanche 06 Août 2017 à 22h05mn

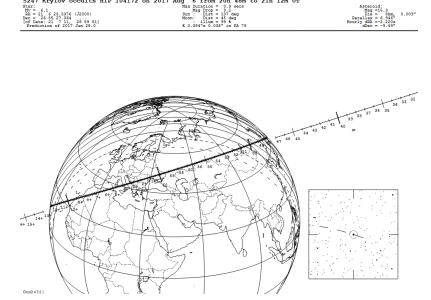


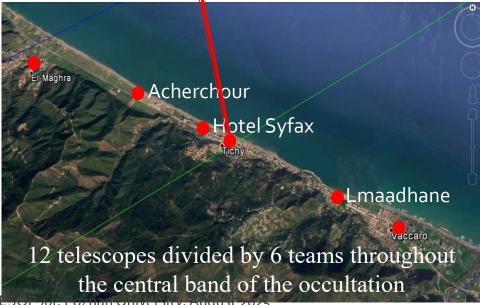
الرصد الجُرهوي للاحتجاب النجمي HIP104172 من طرف اللوبلب 5247 كريلوف بنيشي (ولايمَ لجايمَ) يوم الأحد 06 أونَ 2017 على الساعمَ 22:05

Organismes amateurs participants

Association Aster des astronomes amateurs de Diomrata – Béjal Association Societtique Michaellah – Bouria Club Horiann Spirelpura d'Astronomeix – Tisi-Outou Club Al-Béria d'Astronomeix – Agel Ligue des activités scientifiques et techniques de jeunes de Sét Club d'Astronomeix – Bagi – Séti Club d'Astronomeix Tandja – Séti Club d'Astronomeix Tandja – Séti Association Al-Bétantal d'Astronomie - Oran جيميات و الهيئات الهارية المشارعة مدمة عروب لطرفقه ، يعبة يحمية ألف البنب والاطرفقه بترامة - يحر المدمية الطبية مشاة - الورز لا يكل في مرور المثل القد - الورز لذي الورزي لماذ القد - الروزز إرامة الشفات العبارة الشاة التباء - مطبة المركز الشابة العباء - مح جو مريخ مركز الشابة العباء - مح جو مريخ



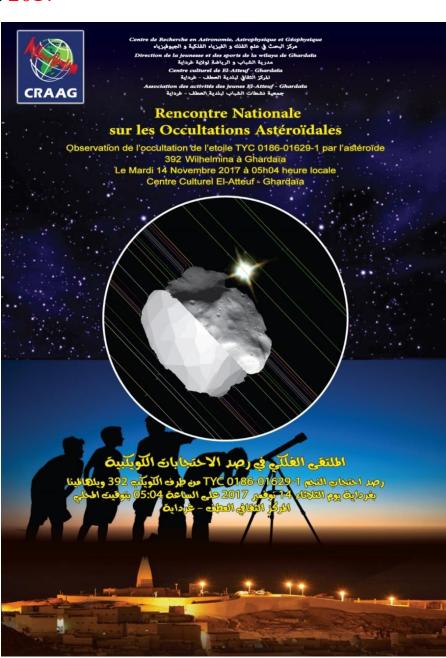






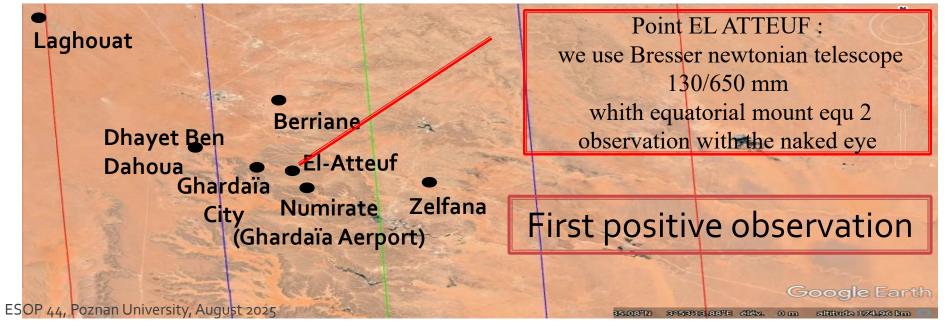
The second national meeting on stellar occultation by asteroids on November 14, 2017 we traveled more than 650 Km in Ghardaia to observe the occultation of the star TYC 0186-01629-1 of Canis Major constellation by asteroid 392 Wilhelmina.





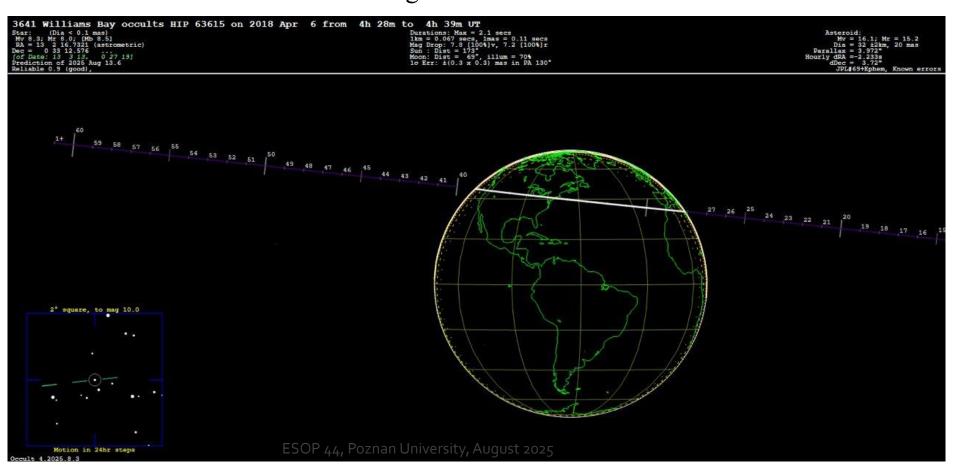






On April 6, 2018, we traveled more then 600 km to Relizane to try to observe the occultation of 3641 Williams Bay by HIP 63615. the weather conditions were not favorable.

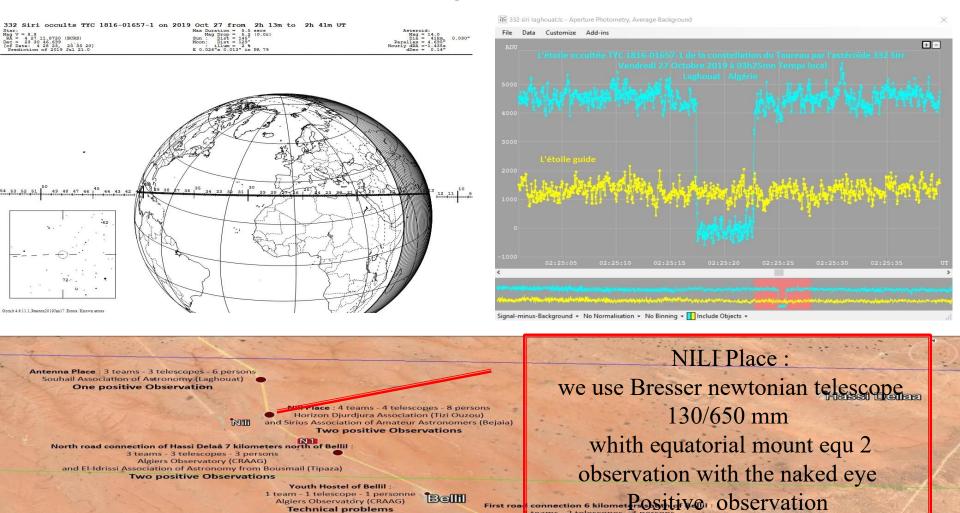
Negatif observation



We participate in
The 8 th National Meeting to observe stellar occultation by 332 Siri,
in October 26 th 2019
we traveled more than 460 km in Laghouat







South road connection of Hassi Delaä 13 kilometers south of Bellil:
4 teams - 4 telescopes - 8 persons
Blida Scientific Association of Astronomy
and Al-Asturlabi Association of Astronomy of Bou Saada (Msila)
One positive observation without measure

4 teams - 4 telescopes - 6 persons
El-Rassed (Aami Essaid) Association of Astronomy (Ghardaia)
and ISSERGHI Astronomy Club of El-Atteut (Ghardaia)
League of Scientific Activities of Bordj Bou Arreridj
Negative Observation

and Al-birûni Astronomy Club of Algiers
One positive observation without measure

A year later We participate in
The 9th National Meeting to observe stellar occultation by 1171 Rusthawelia,
in October 24th 2020
we traveled more than 460 km in the south of algeria (Laghouat)

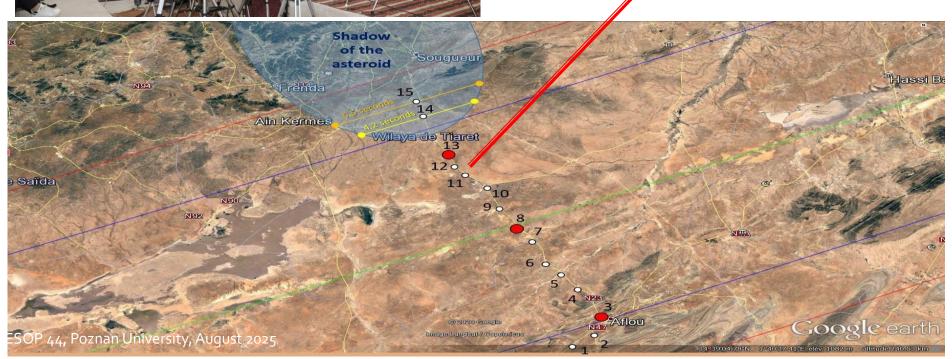






I was at the point 11:
we use Bresser newtonien telescope
130/650 mm
equatorial EQ 2 mount

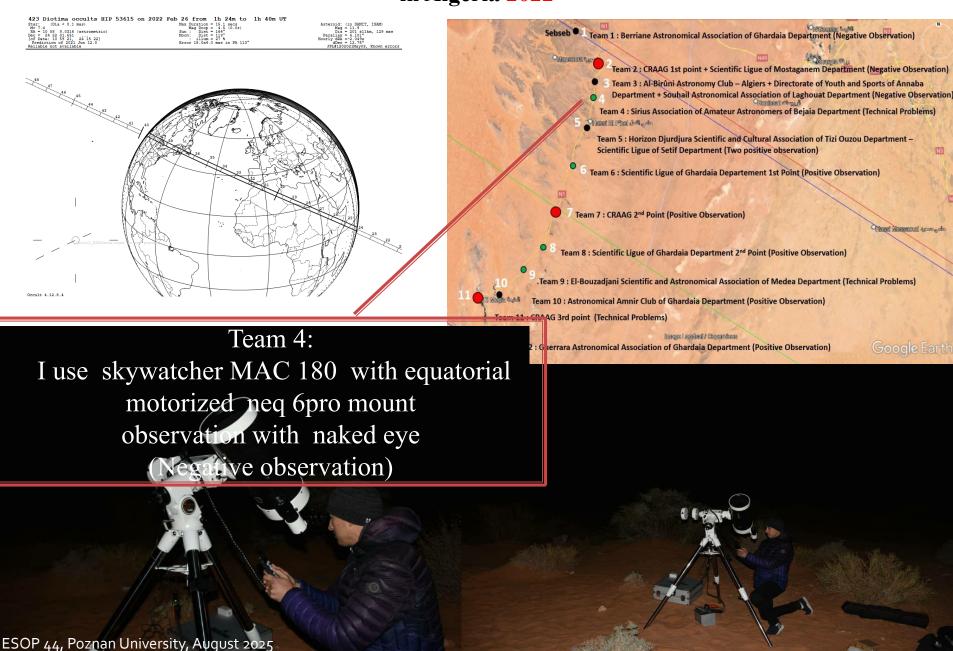
Negative observation



We participate in
The 11th National Meeting to observe stellar occultation by 423 Diotima,
February 26th 2022
we traveled more than 650 Km in Ghardaia





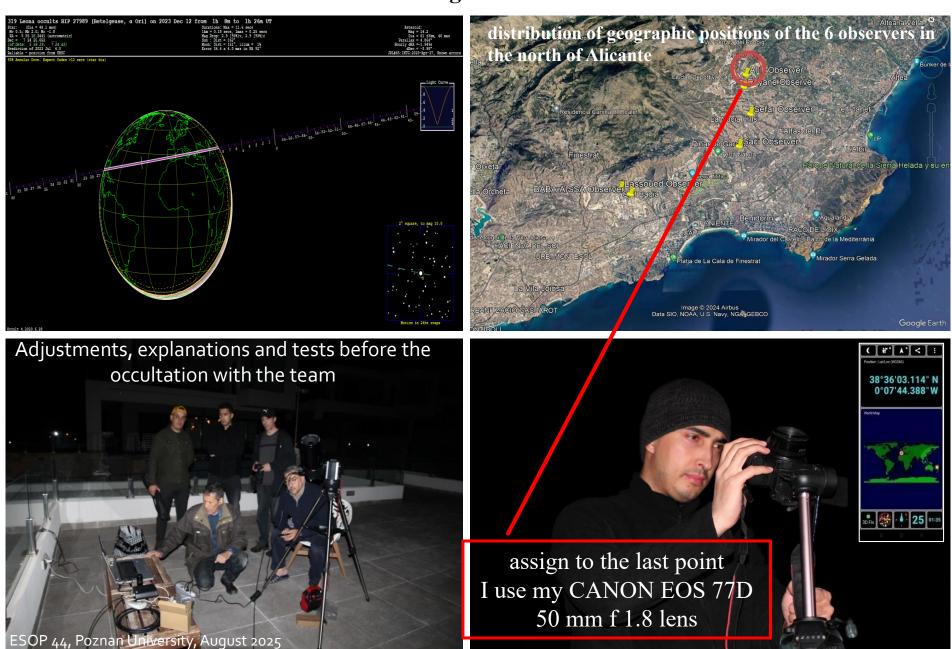


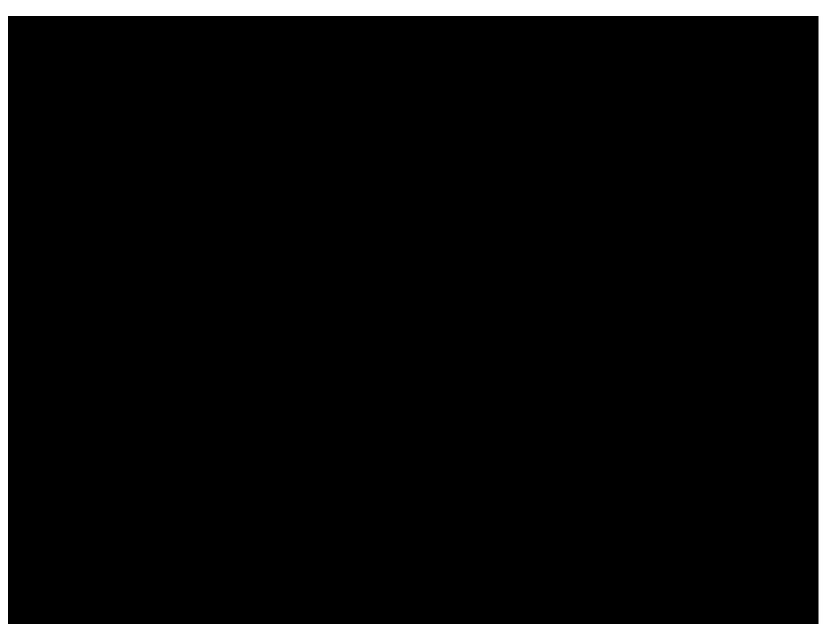
On December 12th, 2023 we traveled mor then 1300Km to the southern of Spain (Alicante) to observe the

Great occultation of Betelgeuse by (319) Leona









On April 8, 2024, we traveled to the USA, specifically in Dallas (Texas), to observe the great American total eclipse.

we traveled more than 10,000km

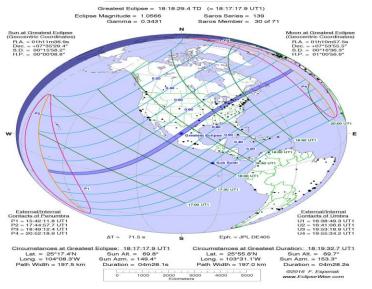




That day the weather conditions were very unfavorable

but fortunately we observed the eclipse

Total Solar Eclipse of 2024 Apr 08



I use my CANON EOS 77D Lens SAMYANG 500 mm f 6.3 DX Filtre AstroSolar de Baader OD 3.8



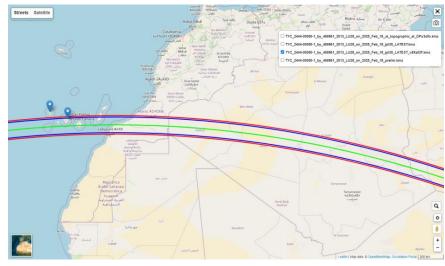


Total Solar eclipse 08 JUI 2024 Texas USA

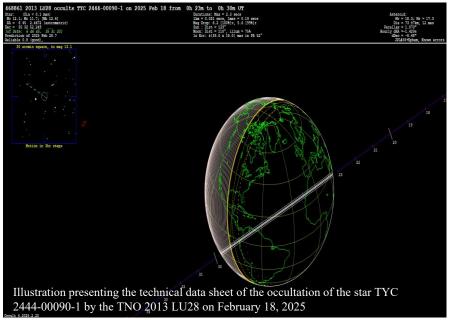


And finaly I was part of the expedition On February 18, 2025 we traveled more than 1600 KM

Observation of the Stellar Occultation by the TNO 2013 LU28' in the far Southern of Algeria Adrar



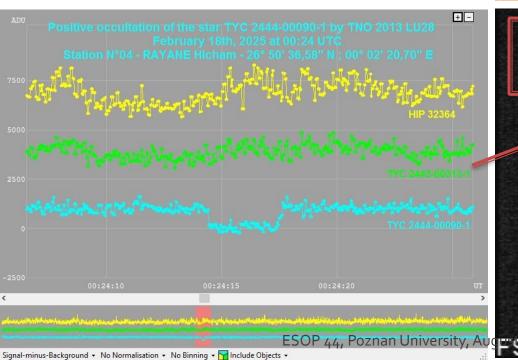


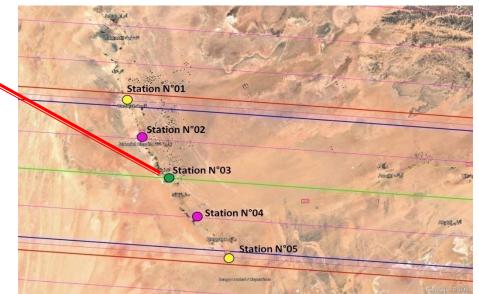


I was at STATION 3:

I use telescop celestron 9.25
whith equatorial monture
skywatcher eq6 pro
camera WATEC 910
IOTA VTI inserter V3

Unfortunately I had a technical failure





These results are obtained by my friend hichem in station 4

ESOP 44, Poznan University, Aug P9 00:24:07 6696 6896 376752

All these experiences and results, positive or negative, would not be possible without

Mr. BABA AISSA DJOUNAI

who trains; encourage and helps us to develop participative astronomy in Algeria in the case of observations of the stellar occultation by asteroids.



Perspectives

We are aiming to get occultation equipments as soon as possible (200 mm or more telescopes with motorized mounts and cameras) because we dont have telescopes untill now in our club in Bejaia.

Being able to Assist and record data recording based on scientific researchs.

Grow the network of astronomy and occultation outreach in Algeria.

