

Abstract

Astronomy in Liberia bridge the science creativity, and education through astrophotography. The Liberian Astronomical society uses images to engage communities and promote STEM education through workshops, school outreach, and online initiatives. LAS shares images of stars, planets, and galaxies, inspiring curiosity among students and public. These visual experience make astronomy accessible in Liberia where formal astronomy education is limited.

Introduction

Astronomy education in Liberia is still developing, with no universities currently offering astronomy as formal program. However, interest in space science is growing among young people. Astrophotograph provides a powerful entry point into astronomy by combining science technology, and creativity. By capturing images of celestial objects and sharing hem with communities, astronomy becomae more visual, accessible and inspiring.



Methodology

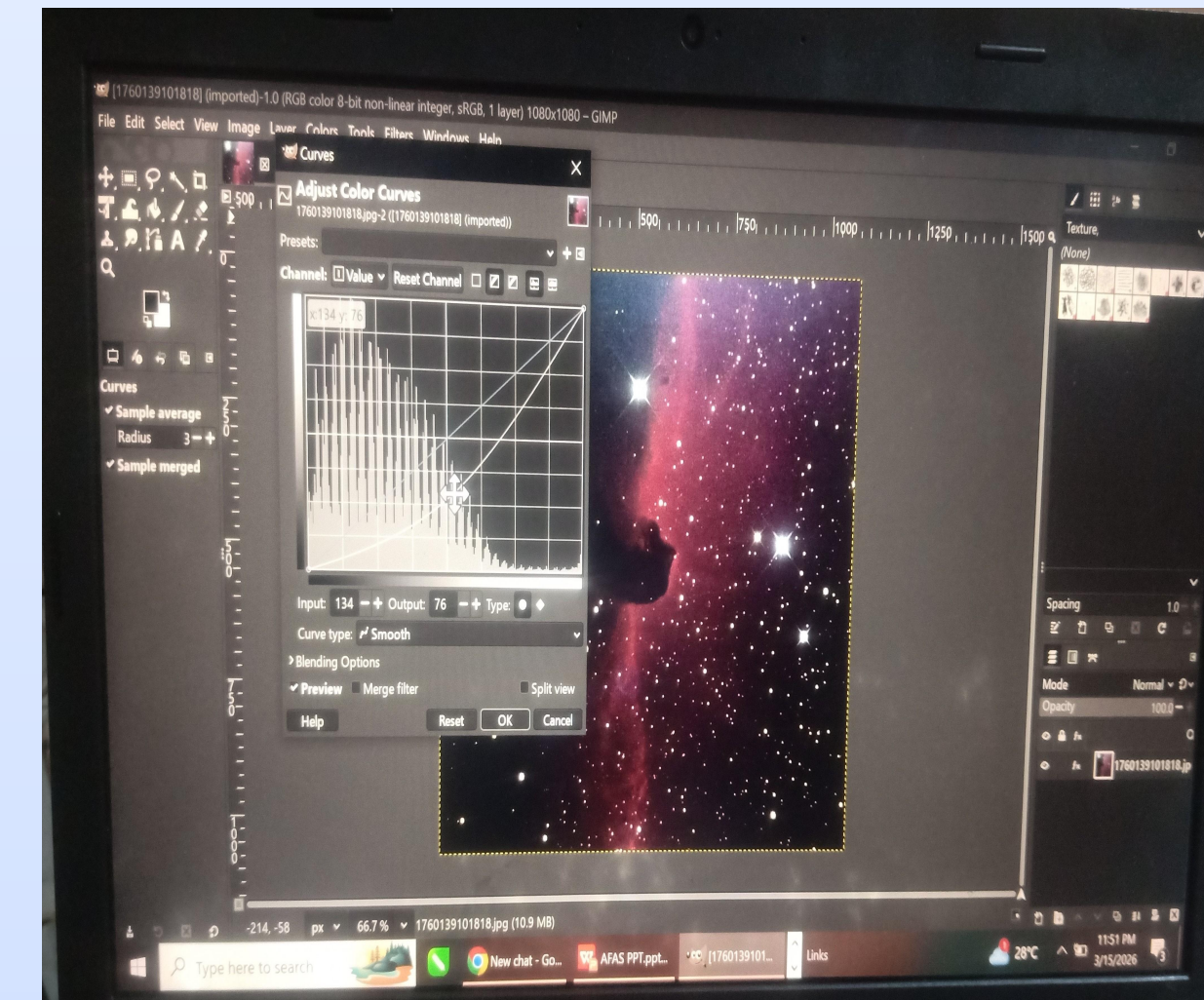
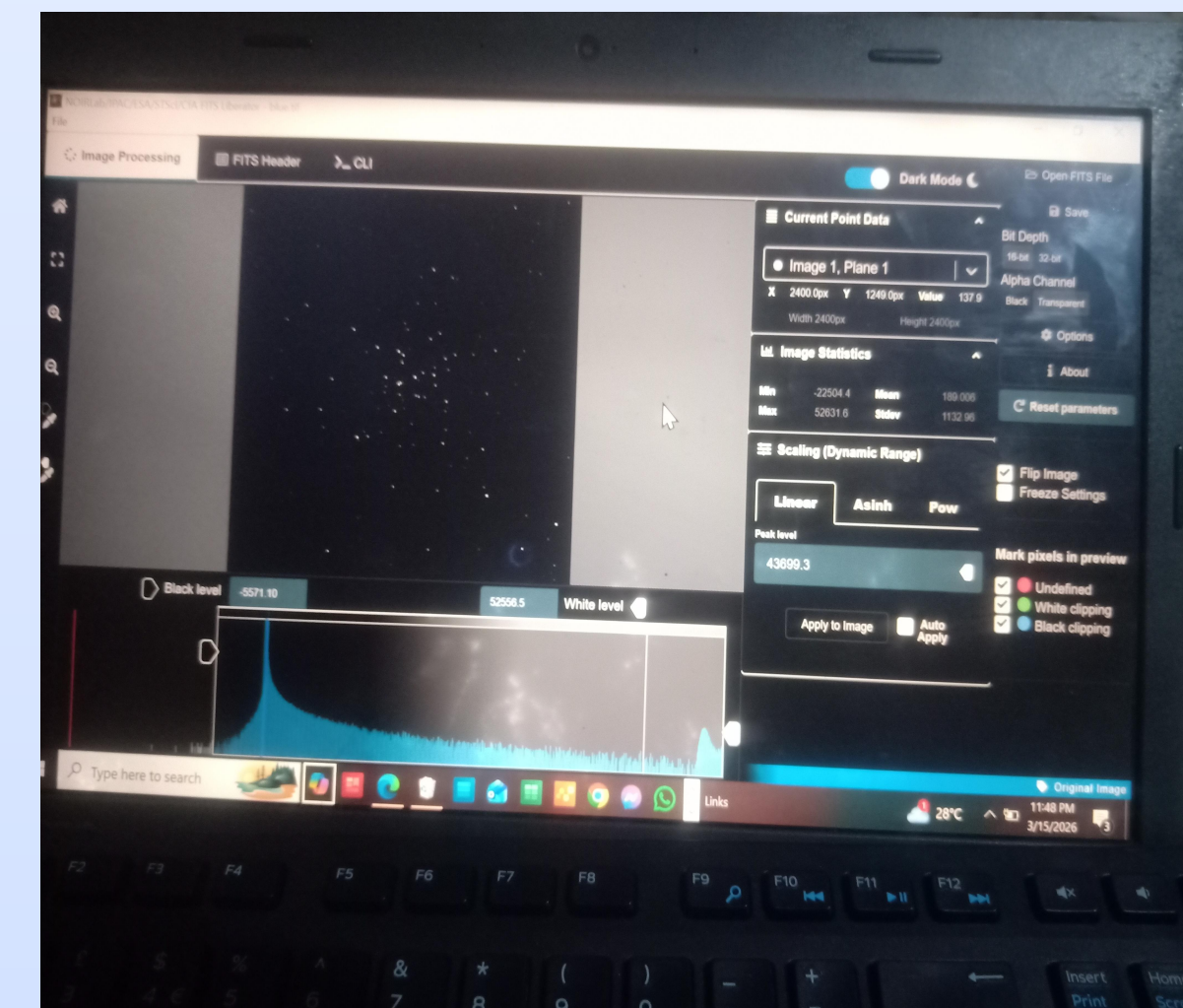
Data Collection

- Images of the moon, stars, and deep-sky was capture using telescope and camera equipment

Image processing

-Raw astronomical images were processed using GIMP and FITS Liberator to enhance visibility and detail.

Image processing



Outreach and workshop

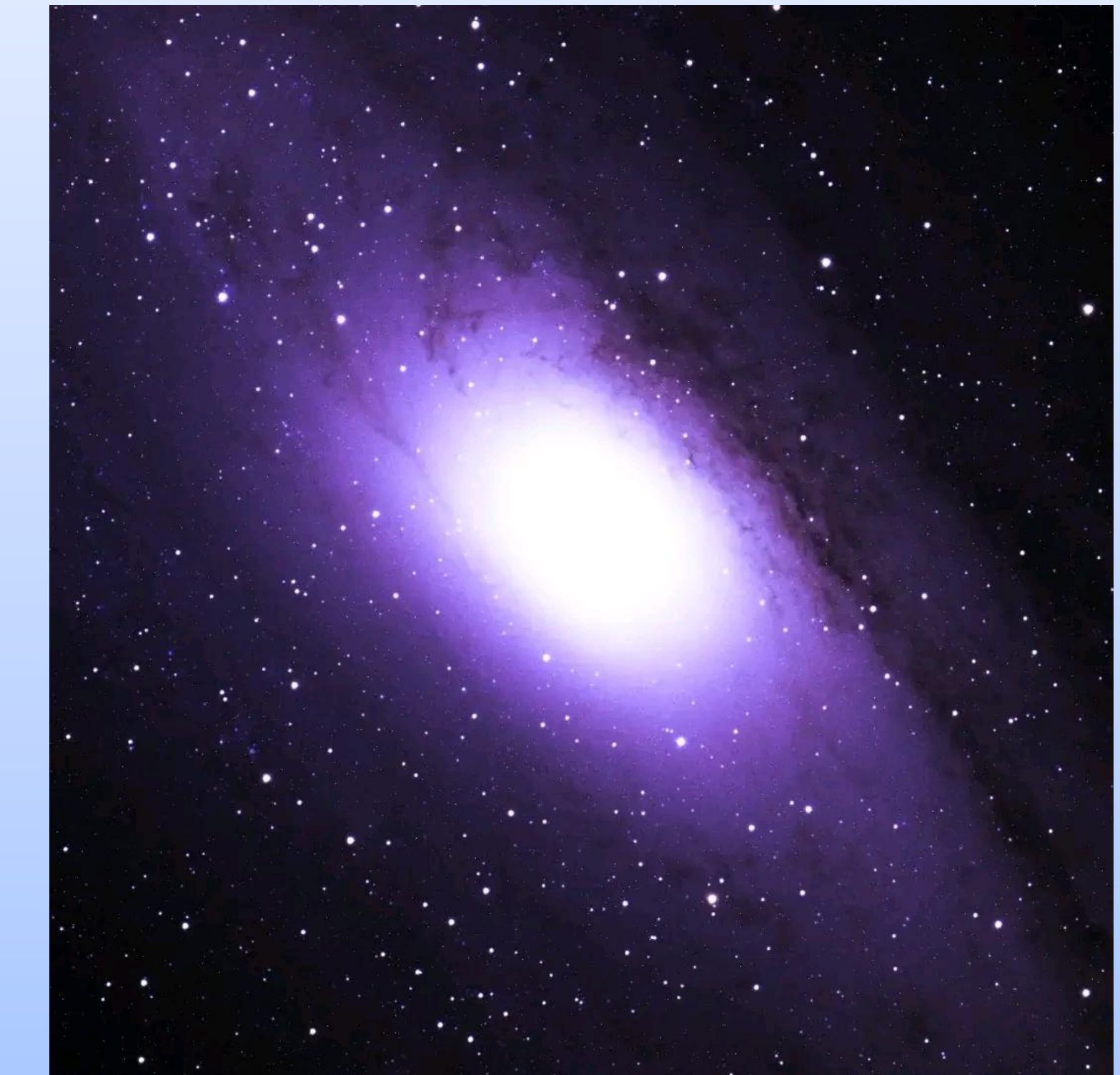
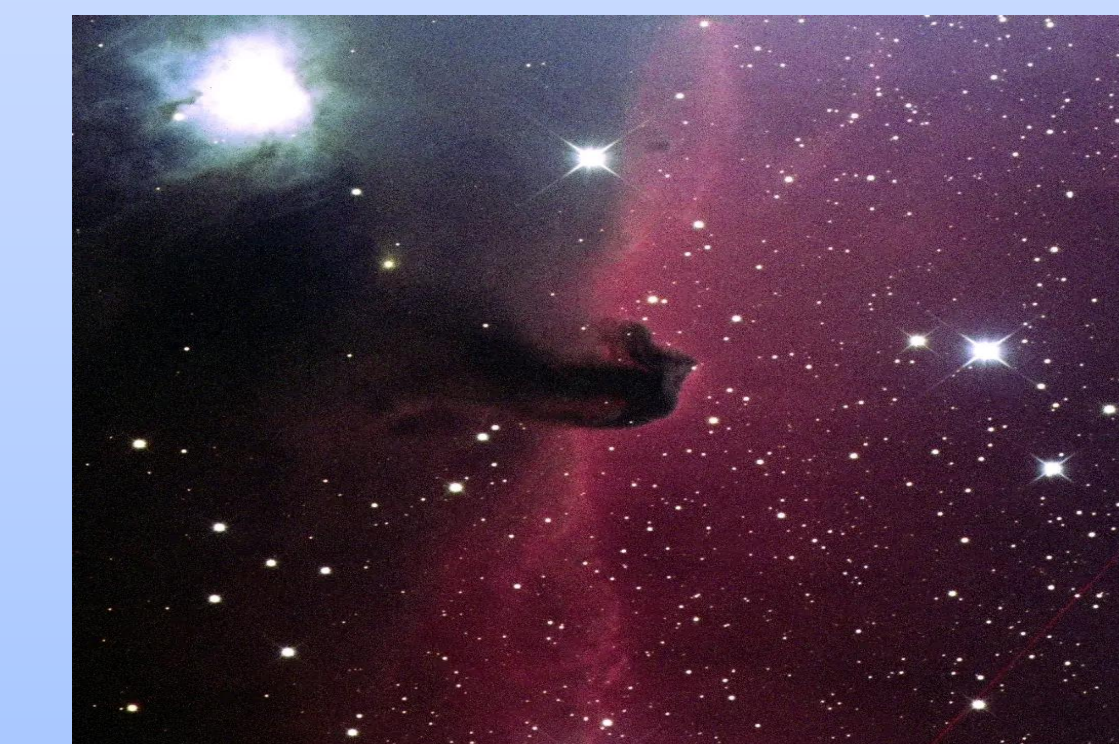
Liberian astronomical society conducts astronomy outreach activities aimed at introducing space science.

Activities include:

- Astrophotography workshop in schools
- sharing astrophotograph images on social media
- Encouraging youth participation in citizen science platfoms
- Introduced astronomy to the rural part of liberia



Results of astrophotography images



Challenges

- Limited access to advanced astronommical equipment
- Lack of formal astromomy program in universities
- Lack of opportunities for astronomy enthusiast
- Lack of government funding or institutional support for asronomy initiative

Conclusion

Astrophotography is an affective too for astronomy outreach and STEM educationin Liberia. By combing scientfc observation with visual storytelling, it helps communitiess connect with the universe. Through continued outreach, collaboration, and education, astronomy can inspire the next generation of innovator across Africa.