

Spectabit Optics LLC



PRODUCT TYPES

- Product Overview
- Analog Schlierenscope
- Portable Schlieren
- Schlieren Streak Camera
- Digital Focusing Schlieren
- High Speed Schlieren
- SAFRAN Software
- Custom Systems
- What kind of schlieren system do I need?

COMPANY INFORMATION

- Contact Information
- Company History

USER MENU

SAFRAN Schlieren for Aircraft in Flight Software

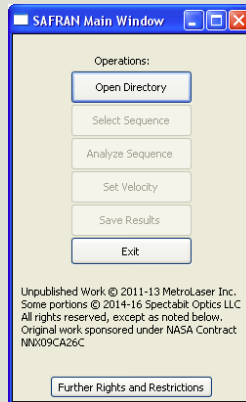
Print Email

The **Synthetic Limb Edge Schlieren technique** is supported by our proprietary SAFRAN (Schlieren for Aircraft in Flight Reduction and Analysis) Package. This easy-to-use software is designed to take a set of solar (or lunar) transit images and extract the schlieren information from the edge distortions. Why spend time and money developing this complex numerical and image processing code yourself when you can just license the software from the people who invented it?

These screen shots show the basic elements in the graphic user interface (GUI):

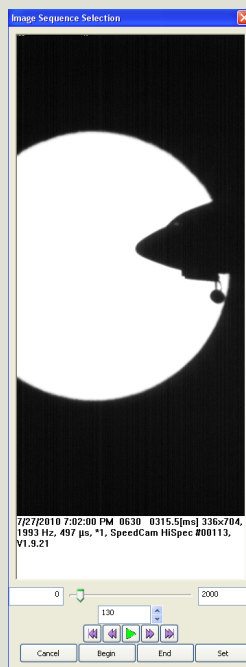
TECHNOLOGIES

- Limb Edge Schlieren
- Focusing Schlieren
- Image Processing



SAFRAN Main Menu

The simple linear main menu guides the user through the analysis steps.



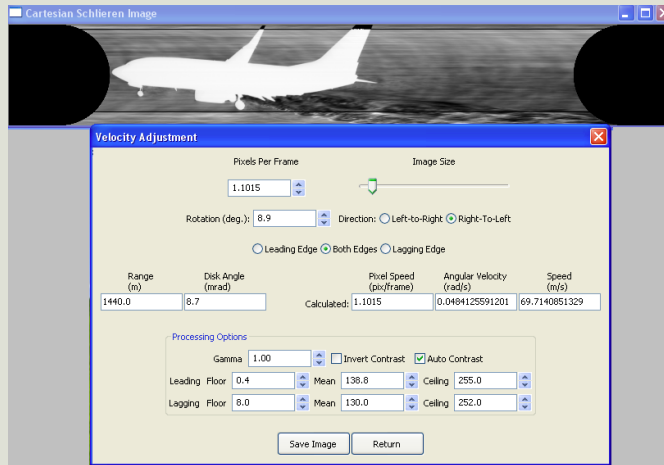
SAFRAN Frame Selection Screen Shot

This intuitive video-player-like interface allows selection of the frames of interest.



SAFRAN Analysis Dialog Screen Shot

The next step allows manual selection of the relevant image area, as well as sophisticated preprocessing options to improve the schlieren results.



SAFRAN Velocity Adjustment Screen Shot

Finally, the velocity adjustment dialog allows selection of the feature of interest according to its speed and angle. Image enhancement options specially designed for schlieren contrast enhancement make it possible to maximize the visibility all sorts of relevant contrast features. Need customizations? We have decades of image processing experience in scientific and engineering applications-see our **image processing capabilities**.

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