

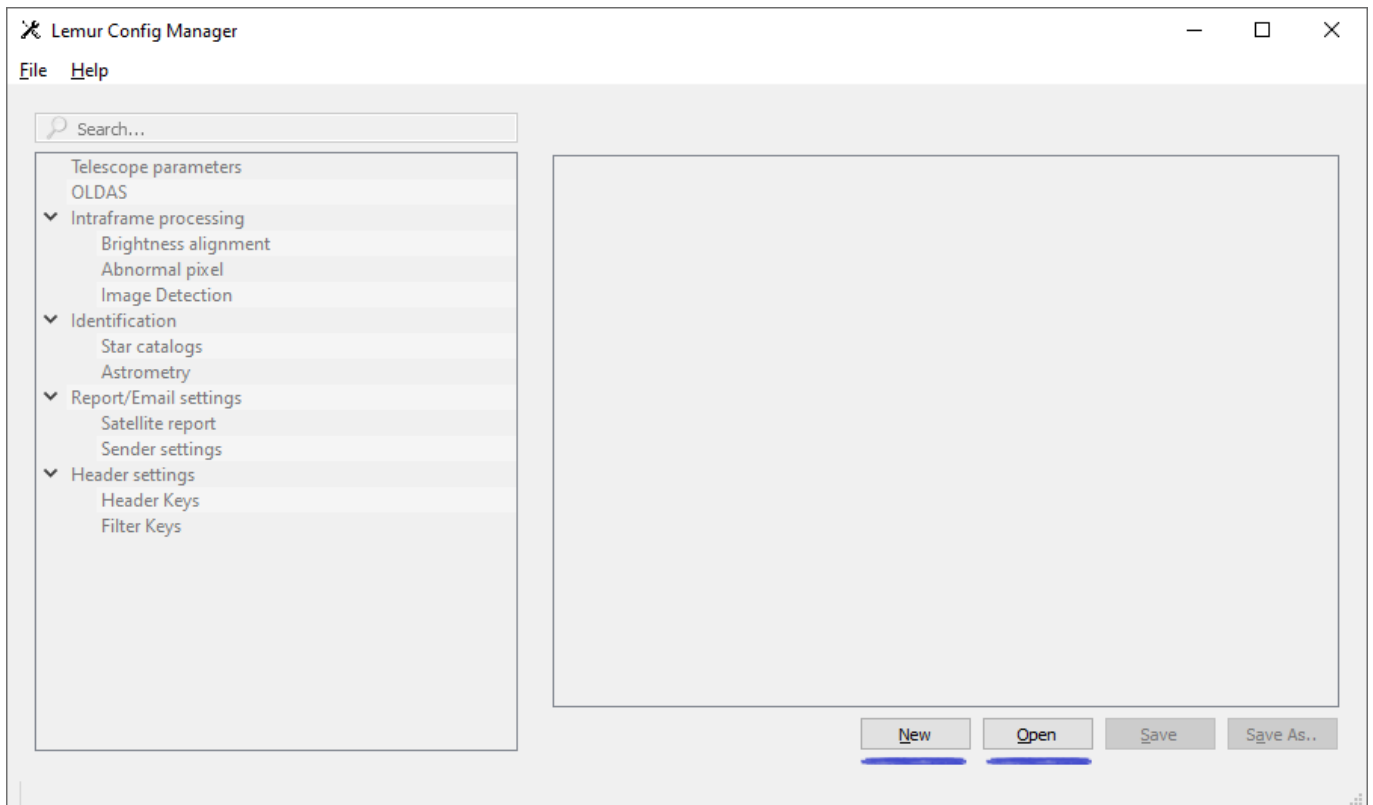
Lemur Config Manager

(user guide)

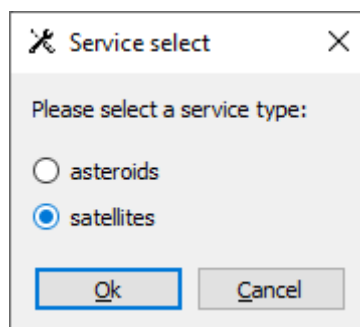
Lemur Config Manager is a tool in scope of the Lemur package for a useful editing of the user's configuration files.

1. Launch.

After Lemur Config Manager launching the initial window appears for starting creation a configuration file for the astronomical frames processing.



Use “**New**” or “**Open**” buttons to create new configuration file or open and edit the already existed one.

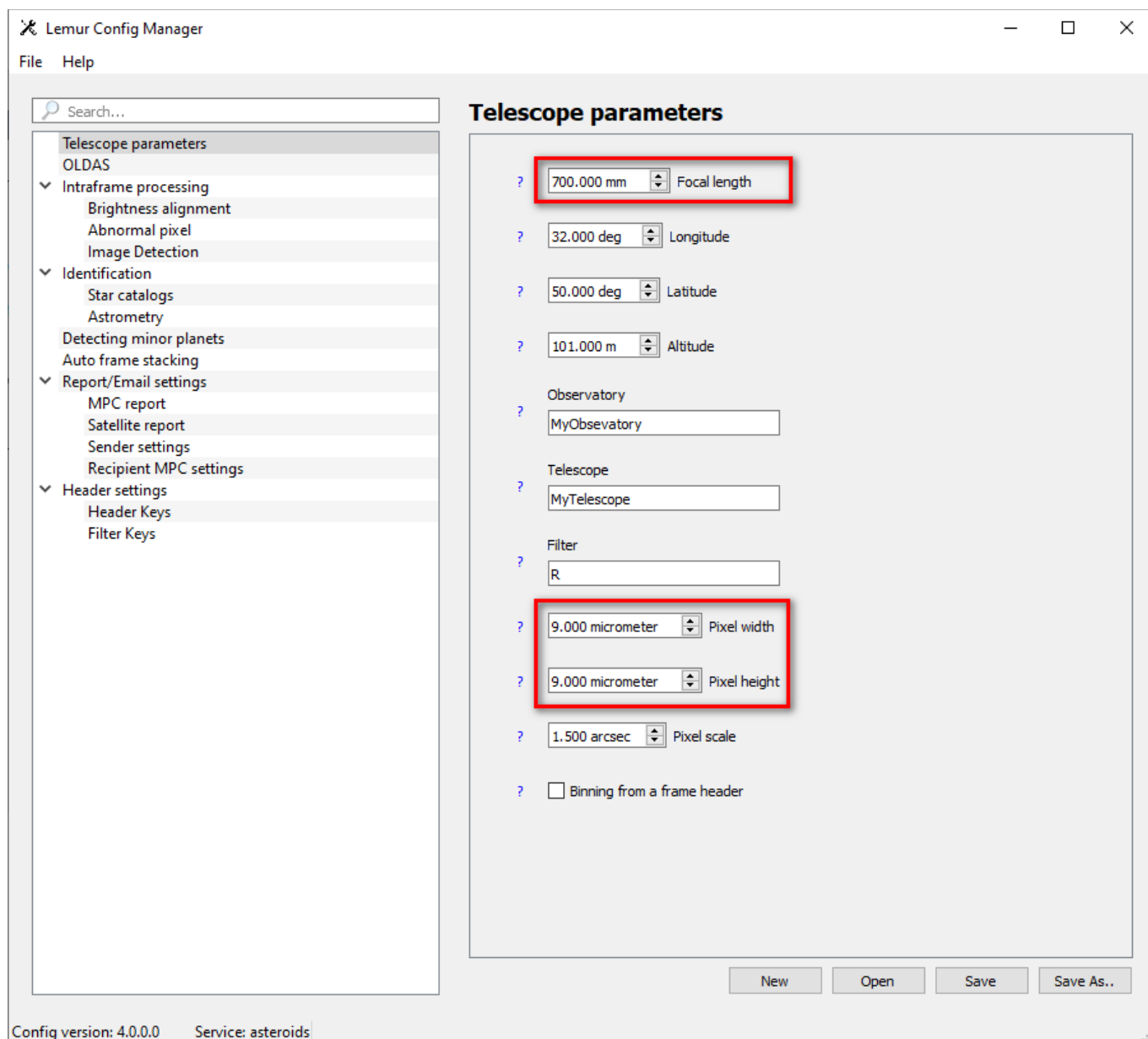


Select a service type during the new configuration file creation. Selected service type will be used for the further frames processing.

Type «asteroids» means that the purpose of processing is to detect asteroids and comets as objects, which have the visible apparent motion against the background of star images. It is assumed that the frames for processing are received in the diurnal tracking mode and that the frames correspond to (approximately) the same area of the sky.

Type «satellites» means that the purpose of processing is to detect satellites. It is assumed that the frames for processing are received with small or long exposure time, so the star image can be both in the form of strokes as well as dots.

2. Telescope parameters.

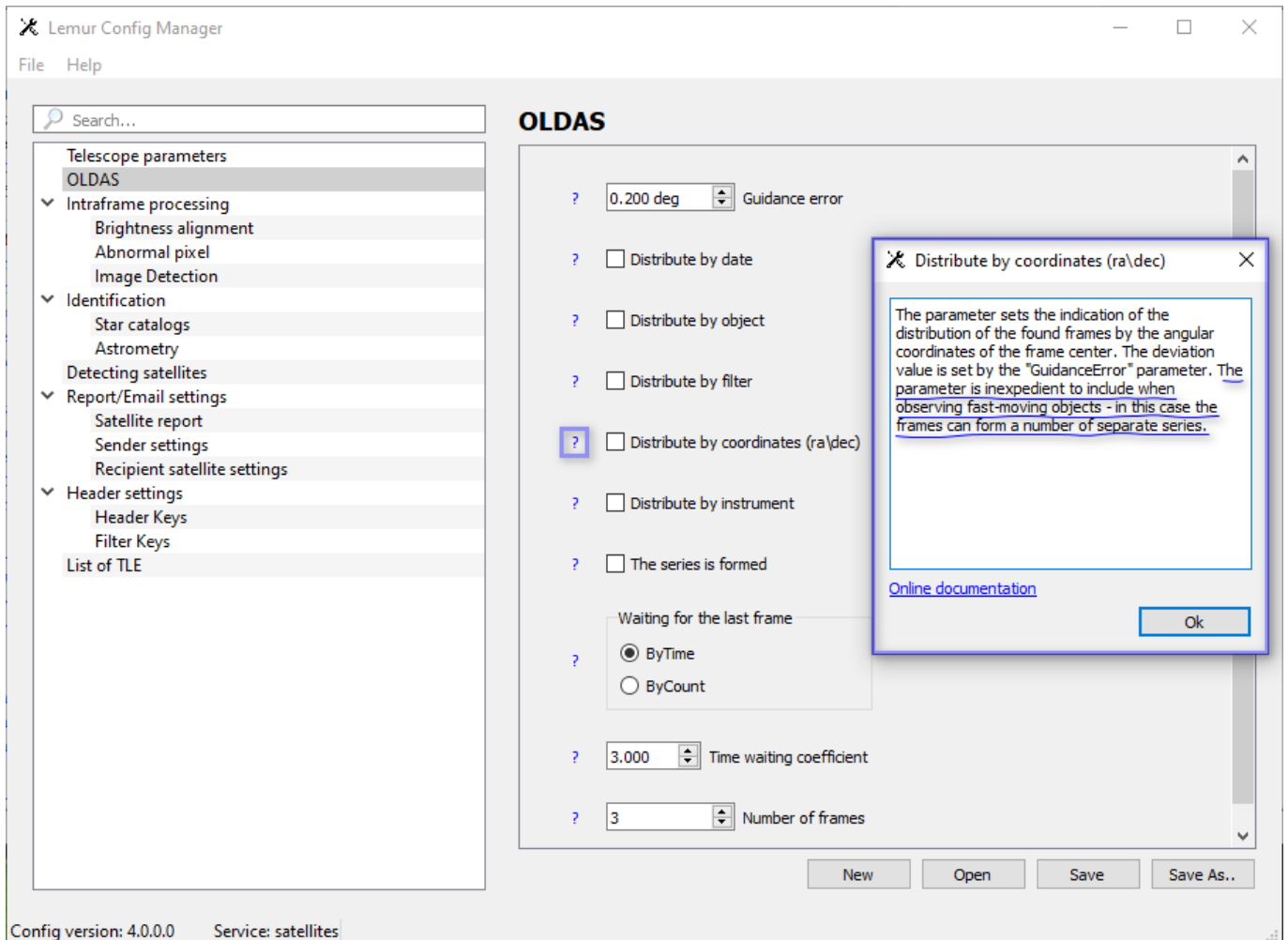


All available parameters can be easily edited using the appropriate intuitive widgets of the Manager.

If the parameters and location of the optical system are set in the frame's header it is reduce a processing time during the frames identification.

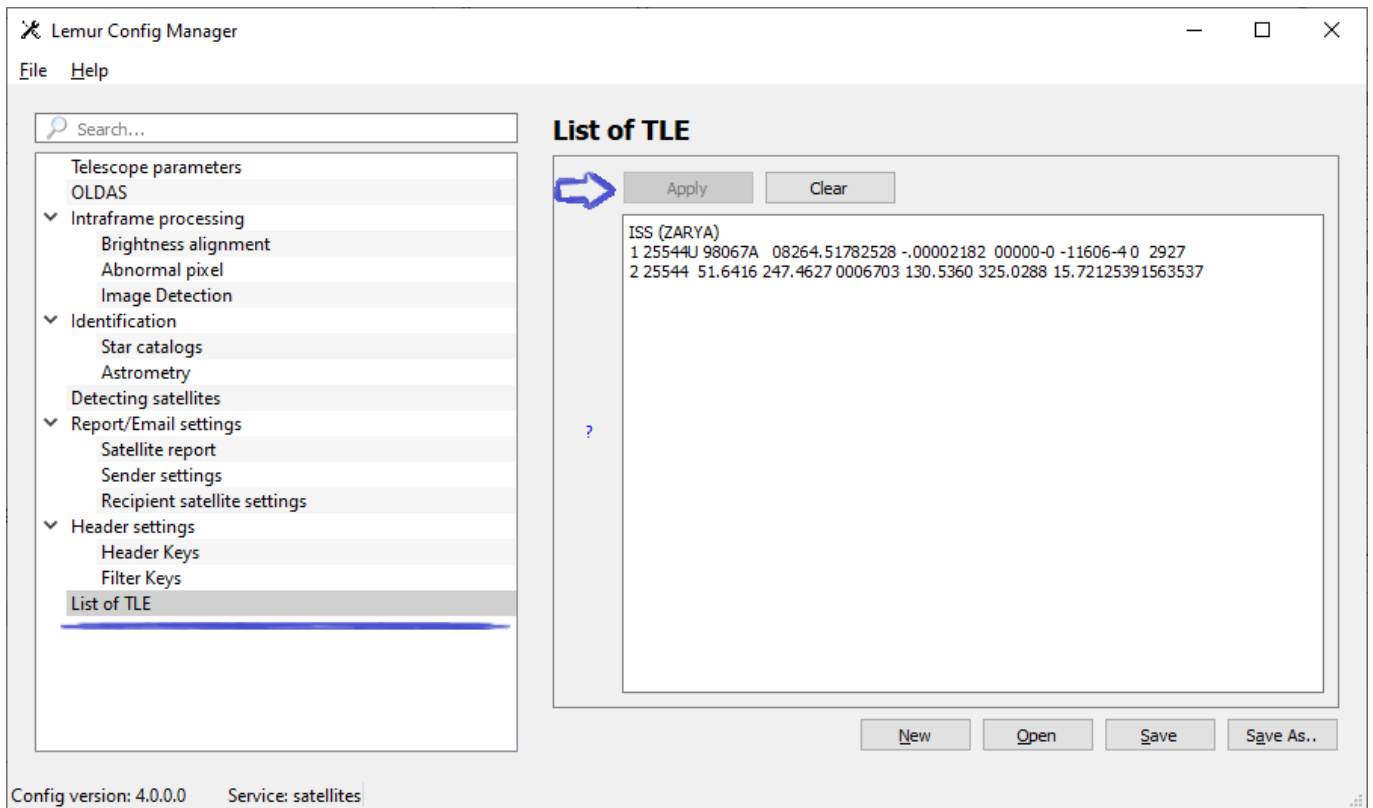
3. OLDAS.

Section with OLDAS parameters defines how the processing core groups the frames by series and when to complete the processing. «Series» means the «uniform» group of frames (received with the same filter, at the same night, by the same instrument), on which the moving objects should be detected. In general, a folder that can be specified as a source of frames for processing may contain frames received on different dates, in different filters, from different telescopes - therefore, to sort frames by series, check the appropriate boxes. The ideal option is when the frames are already sorted by subfolders, so the observer can define the content of series.



4. List of TLE

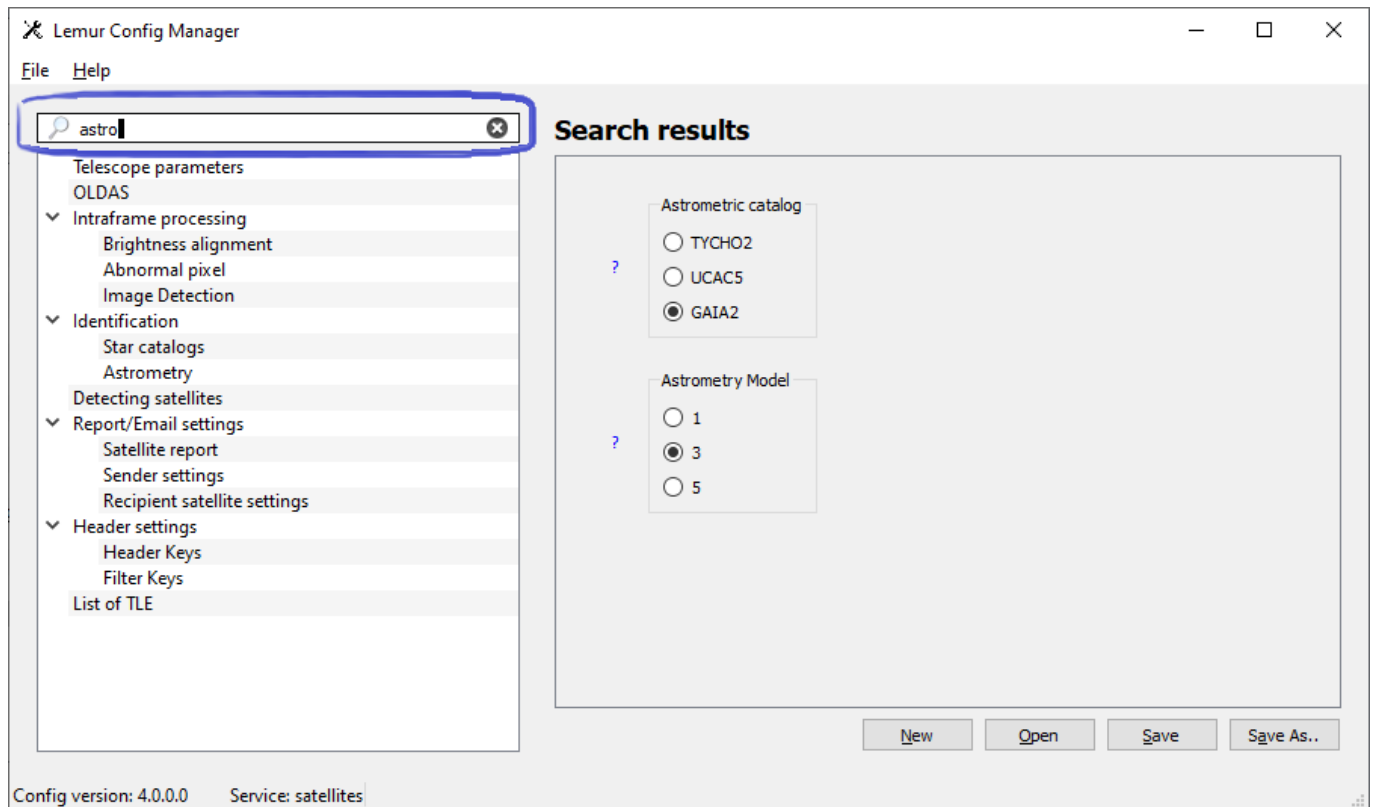
This section of settings allows saving a satellite catalog in 3le format to a configuration file. Here you can save the entire NORAD catalog (25000+) of objects, but at the same time, the processing core will take a significant amount of time (minutes) to select those satellites that «fall» into the field of view of the frames. In case of working with TLE data, it allows displaying the catalog of satellites in frames.



When a particular service is selected, a part of the settings individual for this service will be available (or not available). For example, if “satellites” service is selected the Manager will display the “List of TLE” menu, where the appropriate data can be set. Do not forget to press “Apply” button before saving the configuration file 😊

5. Prompts and search.

The quick access to the appropriate parameter is available using the quick search field, which immediately provides the search results ready for editing.



Use “?” button near each parameter to investigate how this parameter affects during processing. More information is available online at the web site by pressing the appropriate hyperlink.

