

## LookSky

### User manual

### Task-file preparation for the light curve creation

#### Abbreviations

mark	– star on the frame
task-file	– task-file for the light curve creation

The ability to prepare the task-file for light curve creation is available in **LookSky** software v. 3.5.2.

**CoLiTec** software uses the task-file for light curve creation of the investigated star.

Task-file path – Folder «*List\_LCP*».

Task-file name – «*%TelescopeName%\_%StarName%.LCP*».

To prepare task-file do the following:

1. Activate «*Service*» – «*Hand Measurer*» menu item and choose «*Variable Stars –Light Curves*» class (Fig. 1).

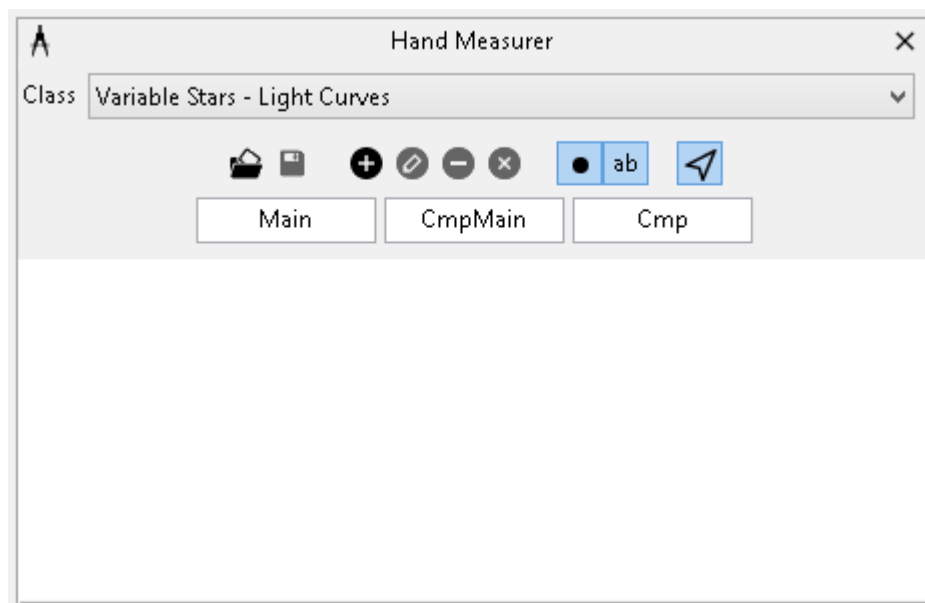


Figure 1 – «Hand Measurer» window, «Variable Stars- Light Curves» class

2. Load a series of frames with the investigated variable star. In the «*Image view*» window use the mouse to mark the investigated star, main comparison star and other comparison stars. (Fig. 2):

- CTRL + Left Mouse Button – add new mark or shift existed one;
- CTRL + Right Mouse Button – remove mark;

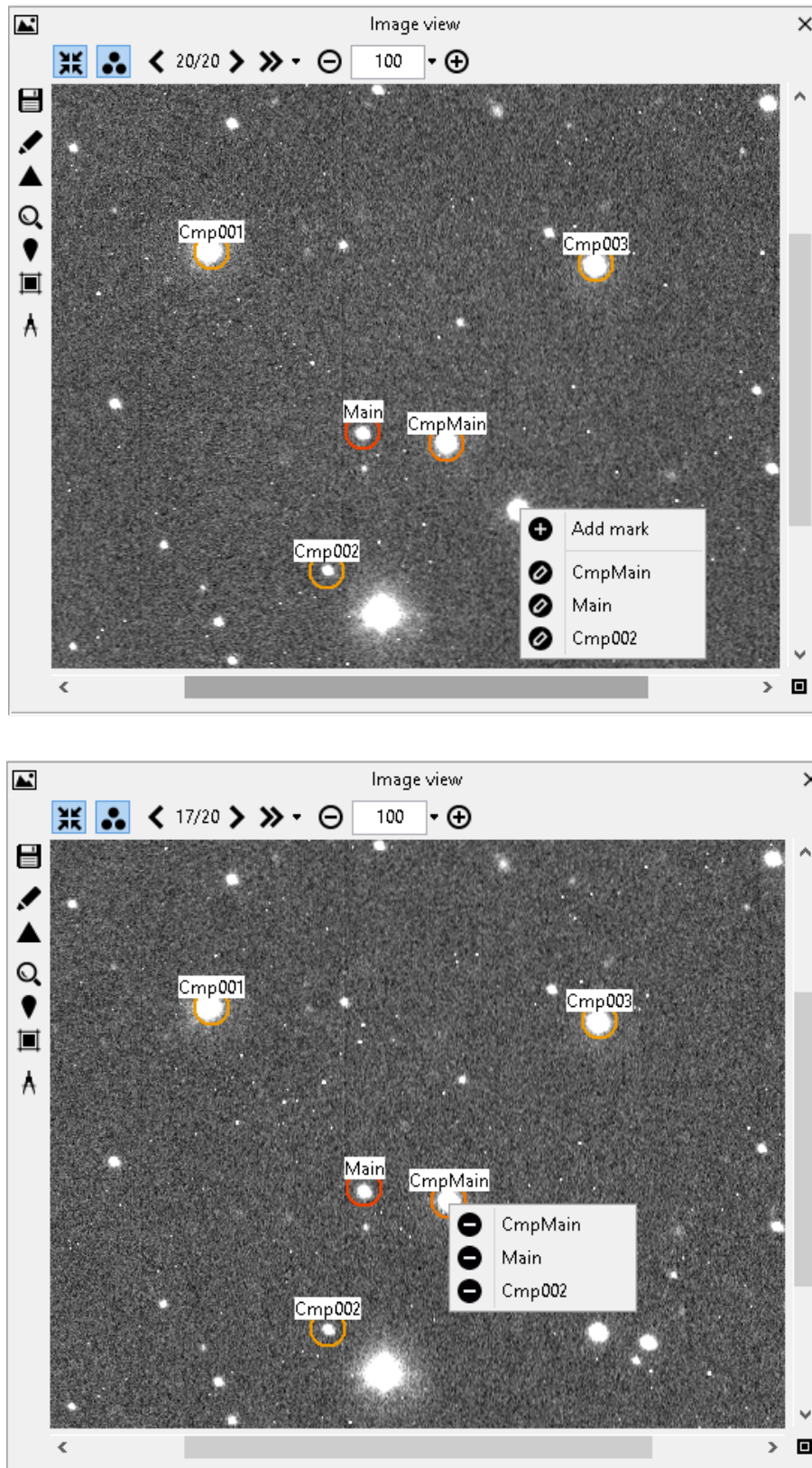



Figure 2 – «Image view» window. Add new, shift mark

3. Using «Save marks to task-file for the light curve creation» button  in «Hand Measurer» window save the task-file to «List\_LCP» folder with the following name: «%TelescopeName%\_%StarName%.LCP».

Additional elements of «Variable stars – Light Curves» class in «Hand measurer» window provide the following abilities:

- to change the masks for names of marks (Figure 3):

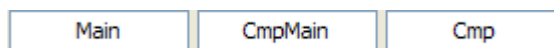


Figure 3 – «Image view» window, masks for names

- to add, edit and remove marks manually (Fig. 4, 5):

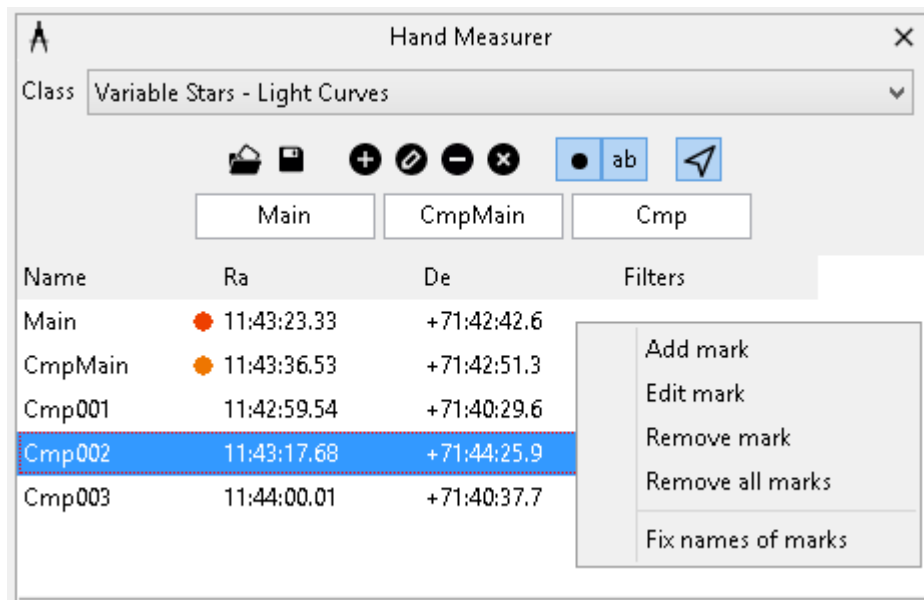


Figure 4 – «Hand Measurer» window, context menu for the mark

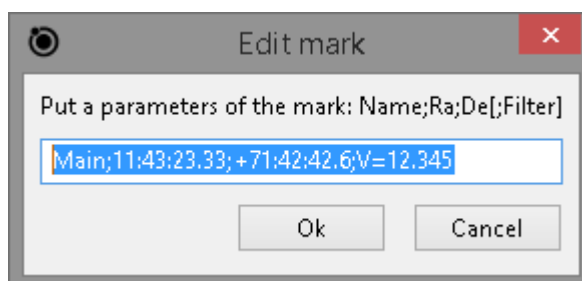


Figure 5 – «Edit mark» window