RVS Simulator Status

RVS-WG 8, Padua

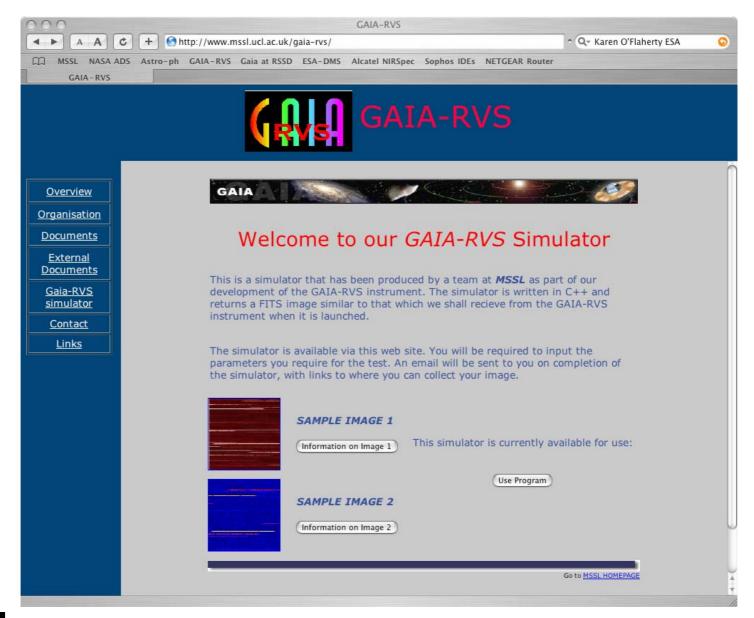
Mark Cropper



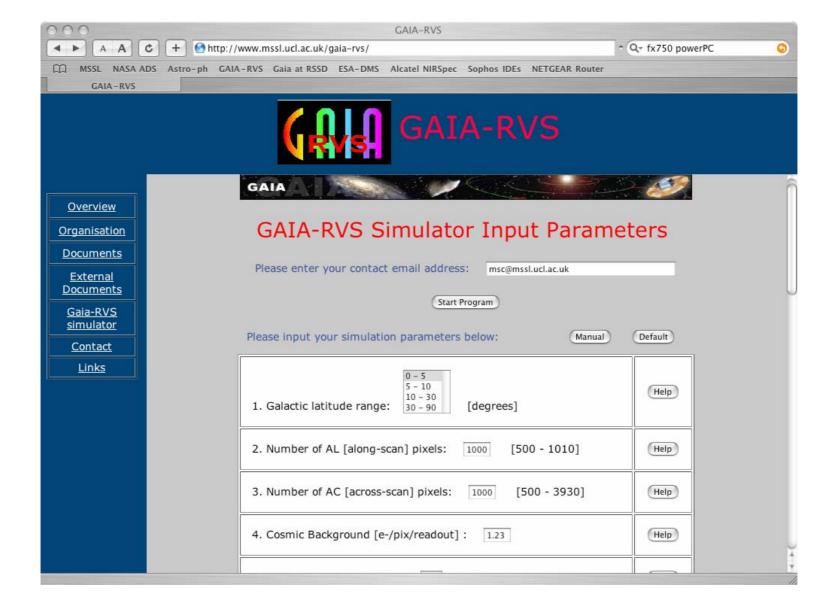
Simulator Overview

- No improvement to core code since the last WG meeting
- User interface now implemented for external use:
 - interface simplified
 - job submitted automatically with unique identifiers
 - acknowledgement sent by email
 - job may take some time to run
 - further email sent on completion, with location at which to pick up the files
- Output includes
 - generated image
 - star positions, spectral types, magnitudes
 - parameters used
 - log file of the processing

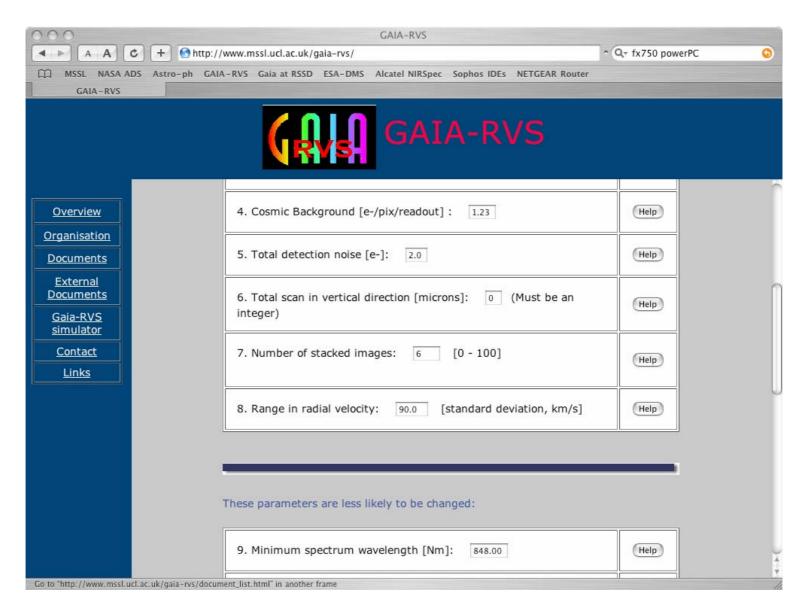




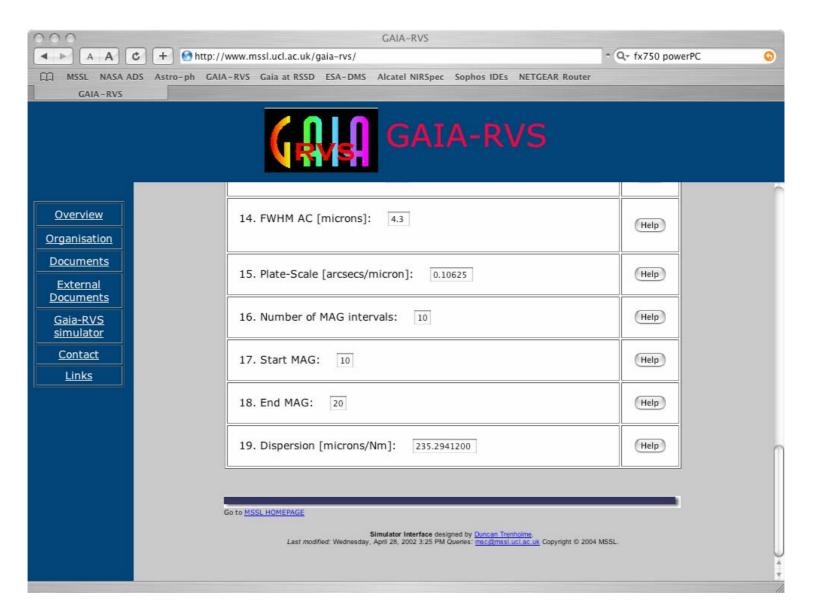
















EXPLANATION OF PARAMETERS

This changes the **Galactic Latitude**Range of the image produced between:

0-5 degrees

5-10 degrees

10-30 degrees

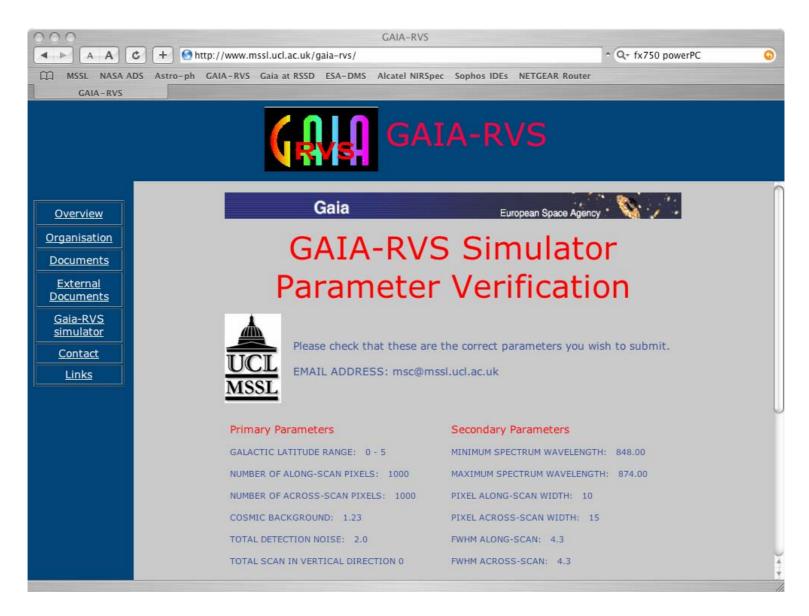
30-90 degrees

Please close this window when finished

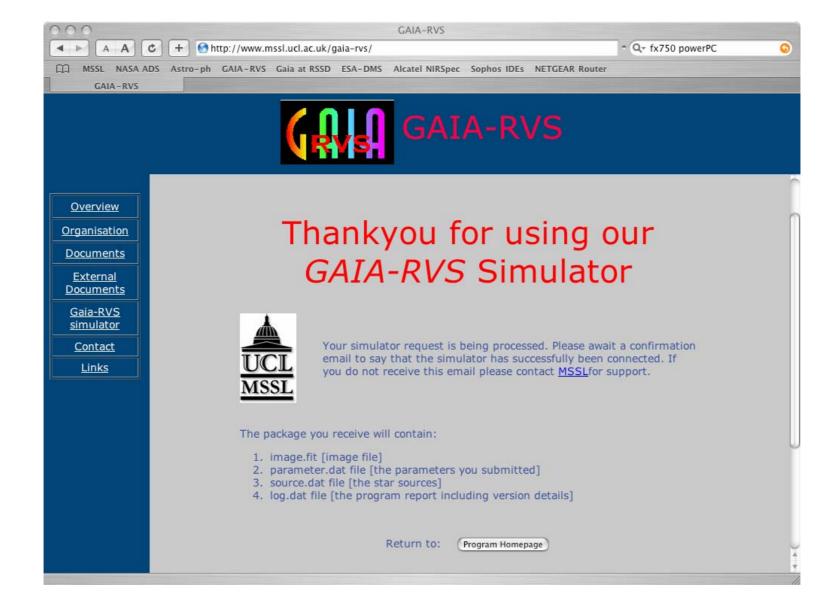
Close Window













Further Work

- Need to generate a suite of images from different parts of the focal plane to include optical characteristics – images are all the same at present
- Need to include cosmic rays and pixel defects
- Need to include CCD effects (MTF etc,)
- Update the interface to accommodate changes

Will be used (at least) for the RVS on-board algorithms, but open to public use. Please respect processing capability at MSSL.

