

Development plan for the 3D viewer project

Martin Kümmel, December 20th, 2010

January - March 2011

ratings from: **HK PB**

- 4.4.1: Accepting CTYPE3="WAVE" as wavelength information (1) (1)
(in coordination/cooperation with D. Petry)
- 4.4.1.1: Reading Multi-Extension FITS files (1) (1)
(including a viewer data model with errors and data quality)
- 4.4.3.3: Spectral extraction for a circular aperture (2) (1*)
- 4.4.2.4.1.7: Distance (pix/arcsec) between two points (3) (1*)
- 4.4.3.1: Image reconstruction (with errors) (1) (2)

April - June 2011

- 4.4.3.3: Spectral extraction with different combine methods (1) (2)
- 4.4.3.4: 2D Gaussian fit (image; with errors) (1.5) (2)
- 4.4.3.5: 1D Gaussian fit (spectrum; with errors) (2) (3)

July - September 2011

- 4.4.4: Export of operation results (2) (4)
- 4.4.7: Display FITS info (3) (3)
- 4.4.6: Catalog overlay (3) (3)
- 4.4.2.4.2: Zoom panel around cursor position (3) (3)
4.4.2.4.3: Overview panel with full FOV
- 4.4.1.3: Reading 1D-spectra (2) (4)
- 4.4.2.4.1.6: Dynamic threshold cuts (3) (4)
- 4.4.5: Blinking of reconstructed images, blinking based on pixels (3) (4)

October - December 2011

- 4.4.2.4.1.3: Rotation/Flip of image/cube (3) (5)
- 4.4.1.2: Reading data/error/data quality from several files (5) (3)
- 4.4.2.4.1.3: Rotation/Flip of image/cube (3) (5)
- 4.4.1.2: Reading data/error/data quality from several files (5) (3)
- 4.4.3.7: Basic continuum subtraction (4) (4)

- 4.4.3.2: RGB color image reconstruction (4) (5)
- 4.4.10: Plugins (4) (5)

Comments for ratings from Harald Kuntschner (HK)

(4) - not priority for the next 9 months

(5) - not priority for the next 12 months

Translation for the ratings from Pascal Ballester (PB)

high++ = 1

early = 1*

high = 2

medium = 3

later = 4

low = 5

(1*) early development item to help getting started

Comments

- The numbers refer (e.g. 4.4.10) refer to Sections in the requirements document.
- The development plan assumes a rather slow start, taking into account the time to get familiar with the code and that some of the requirement have to be further specified.
- Every three months (end of March, June, September and December 2011) a report will be given on what has been achieved. The development plan will be adjusted or modified according to new input or developments.