

DEMETRA changelog

[Unreleased]

[4.2.0.0] - 2019 09 10

Added

- Observation can be copied from session observation list context menu
- Alpy calibration: Display hydrogen or calibration lines lines on result spectrum
- Image display: Mouse right button double-click will auto-threshold the display on 2D FITS display
- Fits viewer: Added a hide/show fits header button
- Instrument name (process) displayed on main window

Changed

- Pixel intensity display (ADU) will no longer switch to spectrum intensity display when moving mouse on the spectrum display
- Process Alpy: Geometry tools parameters U.I. harmonized with other tools.
- Focus tool can run using contrast or FWHM (horizontal or vertical)
- Spectrum display area over image : Grip size increased
- New Demetra logo

Fixed

- Process Alpy and eShel: Process status properly updated after removing images from baskets
- Process Alpy:
 - Properly update status while computing entire process
 - Geometry computation tilt/smile parameters U.I. (wrong image name used, wrong image index...)
 - Response builder tool scale spectrum algorithm (scale coefficient)
- Moving the spectrum display separator to the top will no longer drop bottom toolbar
- Process Alpy and eShel (#650): FITS file loading error message during process (stack file).
- Real number parsing error while Visual Spec is running.
- Spectrum curve display over image for eShel order

[4.1.5.0] - 2019 06 27

Added

- eShel calibration wizard advanced mode display found/associated lines and detection boundaries

Fixed

- Copying an observation without the process parameters now use default process parameters.
- Calibration wizard U.I.: Rights parameters used and saved
- Process time performance enhancement by 10%

[4.1.4.0] - 2019 06 20

Added

- eShel calibration X wizard – Visual vertical bar representing the central lambda value margin. – Advanced parameters and results edition.

Changed

- eShel X calibration horizontal orders offset computation

Fixed

- Automatic threshold for eShel order extracted image visualization

[4.1.3.0] - 2019 05 20

Fixed

- U.I. freeze while process is running.
- eShel process obsolete file deletion (extraction step)

[4.1.2.0] - 2019 03 26

Added

- Reference order view for eShel image display.
- eShel instrumental response builder tools: order management
- eShel automatic order detection
- eShel automatic lambda calibration

Changed

- Reworked order detection result display.

[4.0.3.0]

Fixed

- Observation compatibility: ‘scale’ is now properly imported from old ‘normalization’ name.
- FITS : Comment restriction to ASCII format. (other specials characters are replaced with a ‘?’)
- Acquisition duration : debugged manual edition.

[4.0.2.0] - 2018 07 06 - Official OHP 2018 version.

Fixed

- FITS : corrected a bug that prevent file to open.
- Spectroscopy areas (spectrum / backgrounds) : keep them displayed or hidden according to the checked state 'show' checkbox
- Process status link to the source observation when duplicating an observation
- FITS header: First letter comment string display

Added

- Acquisition: added histogram tool
- I.R. builder tool:
- Added curve filter buttons (showing only I.R. curve (raw/smooth) | showing only source curve (raw/corrected))
- default preselection of balmer and atmospheric lines removal.
- Alpy process extended object management (nebulae...)

Changed

- Acquisition : saturation warning is now computed only on the spectrum area.
- Observation : Added Point-like or Diffuse observation type.
- ASCOM Camera: removed camera serial number displayed in camera name box.
- Acquisition :
 - number of image edition is disabled when preview mode is selected
 - saturation warning is now computed on spectrum area. (currently only refreshed on new image acquisition)
 - U.I. checkbox display/hide is now still functional after new acquired image
 - added sensor temperature in FITS key 'CCD-TEMP' to recorded FITS image
- Process :
 - added RMS value in the process log when computing the calibration coefficients.
 - forbid dark extrapolation when compute required thermal map. process will stop.
- I.R. builder tool : added new curve live display to help to find the continuum coefficient.
- archive : The already exist file warning now has button to ignore or cancel the warning.
- FITS viewer : fixed a bug that was preventing FITS file to open.
- Added eShel pre alpha process (not usable)
- FITS standart HDU extension format type BINTABLE management

[Older]

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