

Astroid Planning Release Notes

Version: 2.0.0-rc1

Date: Thu, Jul 6, 2017

The first official release candidate build of the Astroid Planning App is now available. It is recommended that all users start with a fresh clean bucket for testing with this version.

The following changes (since 2.0.0-beta3i) are part of this release:

- Fixed potential errors when a structure with no voxels is assigned a constraint/objective
- Fixed bug where dose would not display in history view
- “Delete” now changed to “Archive” to better reflect actual behavior of patient record removal
- “Open Patient” button during import is fixed
- Aperture mill tool radius moved to machine settings
- Fraction Group type added to summary UI (e.g. IMPT / SFO)
- Snout extension value now shown in AirGap block
- Prescriptions are now cumulative when computing the default 100% dose level
- Default DRR opacity is now 50%
- Right Side structure opacity sliders & values condensed to single line
- Beam target is now highlighted when editing the beam
- Solver and optimizer iteration limits increased to 4 billion (formerly 2 billion)
- Solver and optimizer intelligent stopping options are now separate
- Dose image data size reduced (values converted from 64 bit float to 32 bit float)
- Patient Model DICOM header data updated
- Option for auto-computing all dose scopes added to right side dose options menu
- BEV per layer view implemented (energy banded structure view added and layer scrolling via mouse wheel)
- Minimum target margin option added to aperture generation block
- Spot placement defaults and culling distance are now machine settings
- Treatment room selection now supports multiple machines
- Deletion of last prescription is prevented if plan exist for the course
- Fixed a bug in the computed mean dose values when structures have varying voxel sizes
- Can now assign to “matched” structures during import if the matched structure is deselected
- Warnings added to show that a plan does not implement the complete prescription
- MCO slider performance improved
- Max dose “jump to” temporarily removed due to performance issue (this will return in the future)
- Non-clinical test features removed (Plan/Dose Export buttons in Navigation block & edit MRN option)

Version: 2.0.0-rc2

Date: Thu, Jul 27, 2017

A new release candidate build of the Astroid Planning App is now available. It is recommended that all users start with a fresh clean bucket for testing with this version.

The following changes (since RC1) are part of this release:

- Updated various structure selection lists to prevent duplicate selection of structures (RSP overrides, structure combinations, etc)
- References to “Directive” have been changed to “Course”
- Structure ROI Types (Target, Organ, etc) are now set based on information from DICOM file (for custom structures)
- All custom “Target” structures are defaulted to “Course” level during import
- Optional User defined display label added to plan level structures
- Highlight thickness toned down
- Option added to Right Side menu for toggling all structures between Solid/Contour view
- Option added to Right Side menu for expanding/collapsing all structures in the list (enables quick access to transparency settings for all structures)
- Gantry and Couch angle +/- buttons set to increment at 5 deg (can still type or slide to any desired value though)
- Fraction groups now require at least one constraint
- Warning icon added to closed blocks that have sub-tasks open in an editing state
- In-place edit mode added for Fraction Groups
- Edit/View mode separated for Navigation Block
- Implemented function to override RSP for all pixels outside of the “External” structure (RSP set to “air” in this region 0.001)
- Fixed target highlight bug when editing beams
- Changed default view for AirGap sub-block
- Objective for min_max “external” structure dose is automatically added to all plans
- Shortened the beam display length beyond isocenter
- Updated the layout of the Import task (now categorized by type)
- Reimplemented Max Dose point
- Re-ordered items in Course UI
- Patients now automatically open directly into the Course edit task if no Prescription exists (guiding users on the first step that they must do after import)
- Fixed issue with data refresh after import
- Updated the style of the “Create” buttons
- Changed MCO Navigation sliders to allow direct entering of values for the slider position
- Fixed issue with view state resetting when changing display
- Fixed bug where list selection was not set when creating a new point from the beam isocenter selector
- Improved the accuracy of the partial voxel calculations

Version: 2.0.0-rc3

Date: Thu, Sept 01, 2017

A new release candidate build of the Astroid Planning App is now available. It is recommended that all users start with a fresh clean bucket for testing with this version.

The following changes (since RC2) are part of this release:

- Planning App can now launch “Integration Apps” with proper site config updates
- Aperture “minimum margin” option now available on a per avoidance structure basis
- Zoom direction made consistent in all views
- BEV display now available when editing isocenter during beam creation

- Archive Icon updated
- Original DICOM structure names kept in label when “assigned” during import
- Patient External structure selection is now warned if it's not the largest volume structure being imported
- Minimum WET to target now shown in shifter block
- Fixed several importing refresh issues
- DICOM uploads now show quickly (within 10 seconds) but in a pending state until upload is complete
- RSP image calc now triggers on plan open
- Fixed bug with field size scaling for usable spot area
- Course level structures can now be edited for type
- Machine gantry and couch limits added to site model and enforced in UI
- Fixed issue with numbers rounding that caused slight differences in App vs API calculations
- Fixed bug with iteration count summary display (signed int error)
- Notification added for loss of network connection
- Updated “Captured scope” UI text
- Duplicate structures now longer disabled in Assignment list during import
- Link added in point creation to set point to current scroll position
- Optional display labels added to points (matches structures now)
- Clearer warning when importing SS into patient but now matching CT found
- Clean up to FG summary display for “simple” FG mode
- Dose overlay labels moved to header row only
- Display labels now use : instead of - to avoid “negative sign” confusion
- Airgap +/- buttons now work in 5mm increments
- Meta calculations now posted as MessagePack (ensures App matches API)
- Patient Model Data updated (Gender & DOB added, and other cleanup)
- Fixed bugs with re-importing course level structures
- Snout added to display and sizes added to machine data model
- MCO solver parameters defaults added to Site Config
- Fixed bug with IPC communications (caused provider crash on long running jobs)
- Fixed issue that could cause blurry button text with some systems

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Last update: **2021/07/29 18:22**

