

# Astroid Planning Release Notes

**Version:** 3.1.0

**Date:** May 20, 2020

The release build of the Astroid Planning App version 3.1.0 is now available. No existing ResultsAPI function signatures are changed in this release. This release includes the following changes since the previous release:

1. Fixed the fraction group type drop down having the SOBP option for PBS plans
2. Option to export DICOM CT images is now unchecked by default
3. Added new Minimize Hot Spot and Minimize Cold Spot optimization objectives per MGH SoW (Nymph only)
4. Added new Underdose, Overdose, Hot Spot Vol, and Cold Spot Vol optimization constraints per MGH SoW (Nymph only)
5. Added Planning App points to DICOM Structure Set export
6. Updated MCO optimization sliders to allow 3 decimal places when the range between the minimum and maximum values is less than or equal to 0.25
7. Changed centroid calculations to be the geometric structure center (and updated point labels accordingly)
8. Added a warning when multiple fraction groups contain the same beams and prescription (e.g.: when cloning)
9. Added 12 more color options to all color choosers (for a total of 24 color options)
10. Updated the Dose Stats display to hide the EUD column if there are no values
11. Removed the prescription name from the dose level overlay if all colors are turned off for that prescription
12. Removed the prescription name from the dose level overlay if there's only one prescription
13. Fixed aperture manual edits warning and beam color being on different lines of the Beams Block if there was a long beam name
14. Updated aperture shape smoothing to default to 10 from 0
15. Added commas to the calc grid voxel count
16. Updated lots of text inputs to not allow too small or large of numbers for the corresponding text inputs (e.g.: negative distance, spacing, or dose values)
17. Updated the default CT Window value from 400 to 600 and updated the following predefined values: Soft: 1200 window; 0 level | Bone: Window: 2500, Level: 500
18. Updated all display UI overlays padding to be smaller
19. Treatment plans now open immediately after creation
20. Added full prescription summary to the inactive content of the General Block
21. Added options to check all or un-check all structures during import
22. Removed Advanced parameters in the optimization block if the Nymph optimizer is selected
23. Fixed original structure names not showing in Dose Stats, DVH, and DICOM Structure Sets
24. Fixed various DICOM file errors (refer to Jira ticket AST-3385 or FreshDesk-259 for complete list)
25. Fixed exported DICOM CT Images having the wrong orientation for non-HFS cases and not updating the SOP Instance UIDs
26. Fixed partial prescription implementations throughout application (warnings, labels, and dose scoping)

- 27. Fixed DICOM Series UUIDs for CTs and the corresponding reference in the SS files. RT Dose files now get a unique Series UID as well (shared for all dose files)
- 28. The Plan ISS ID is now appended to the Plan Description field in the RT ION PLAN files

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