

Res2DInv Release History

Date	Version	History
11-1-2020	4.10.4	<p>New features</p> <ul style="list-style-type: none">• Option to override limitations governing maximum possible number of timelapse timesteps, number of electrodes and number of boreholes. This e.g. allows for time lapse inversions with several 100s of timesteps.• AGS XYZ export: New and simpler option to output grid values and position to a fixed- format text file that can be readily imported, analysed, and displayed using 3rd-party software. <p>Corrected bugs</p> <ul style="list-style-type: none">• Sensitivity, uncertainty, and resolution displays would sometimes not show for borehole-inversion models. This issue has been fixed.• In certain situations when displaying plots including topography, the thickness of the lowermost model layer was slightly incorrect. This bug has now been fixed.• When loading DOI-calculated inversion models with topography and exporting (to xyz, surfer and other formats), res2dinv would require the model to be displayed before export with topography was possible. This has now been fixed.• Progress indicators for certain procedures run during time lapse inversions were faulty. These have been fixed.
25-08-2020	4.10.3	<p>New features</p> <ul style="list-style-type: none">• License server security update <p>Corrected bugs</p> <ul style="list-style-type: none">• For some datasets, the plots of modelled vs observed apparent resistivities in the ‘RMS error statistics’ function would plot the wrong values against each other, and data trimming by RMS error would therefore also lead to an erroneous selection of measurements. This has now been fixed.
25-05-2020	4.10.2	<p>Corrected bugs</p> <ul style="list-style-type: none">• In display mode, the ‘RMS error statistics’ function in the ‘edit data’ menu displayed data points wrongly under some circumstances for general array data sets. This bug, which arose in version 4.10.1, has been fixed.
19-03-2020	4.10.1	<p>New features</p> <ul style="list-style-type: none">• Output the positions of all 4 electrodes in xyz file.• Different plotting order of general array data in ‘remove bad data points’. Results in less messy plots. <p>Corrected bugs</p> <ul style="list-style-type: none">• Option to automatically combine repeated data points by taking the average of the apparent resistivity and IP values.• Change in VTK file header that caused rounding errors in some programs

Res2DInv Release History

		<ul style="list-style-type: none">• Fixed bug causing error calculations from repeated or reciprocal data points not to work properly for unsorted data.• Removed cause of memory leak occurring in certain situations.
12-11-2019	4.9.11	Corrected bugs <ul style="list-style-type: none">• Fixed possible bug in setting model refinement options when loading inversion settings from .ivp file.• Fixed bug causing program to crash in rare instances if failing to erase temporary files during inversion.
29-05-2019	4.9.3	Corrected bugs <ul style="list-style-type: none">• Fixed error when exporting VTK files with global coordinates.
23-05-2019	4.9.1	New features <ul style="list-style-type: none">• Options to calculate and display the model resolution point-spread function values. Model resolution values are included in xyz output file for data with global coordinates.• Export of VTK file with electrode positions Corrected bugs <ul style="list-style-type: none">• Various bug fixes
05-03-2019	4.8.18	New features <ul style="list-style-type: none">• Check added for missing and negative apparent resistivity values.• Option to remove data points with missing or negative values added. Corrected bugs <ul style="list-style-type: none">• Fixed bug that forced positive apparent resistivity values for general array data sets.• Fixed bug in exporting time-lapse model to Lund format.
10-12-2018	4.8.12	Corrected bugs <ul style="list-style-type: none">• Fix of redraw and rescale error for exterminate bad data points.• Added message when data has been automatically converted from resistance to apparent resistivity for a borehole data set.
16-10-2018	4.8.9	New features <ul style="list-style-type: none">• Removal of message boxes during batch inversion that could cause the inversion to pause. Corrected bugs <ul style="list-style-type: none">• Missing line change on export of large VTK files fixed.
28-08-2018	4.8.3	Corrected bugs <ul style="list-style-type: none">• Fixed bug in display of IP profiles in option to 'Exterminate bad data points'• Fixed bug in detecting gamma array type• Shows correct support and update dates for Aarhus GeoSoftware license
07-05-2018	4.8.1	New features

Res2DInv Release History

- Model with borehole electrodes saved to xyz file with global coordinates if present
- Option to save output model in Paraview vtk format. I.P. model values automatically saved with resistivity values and a second vtk file is automatically generated if global coordinates present

20-04-2018 4.7.25

New features

- The possibility to add or remove a series of data points in the “exterminate bad data points” window is added. This is done by right clicking the first and last data point in the series to be removed.