**Res3DInv Release History**

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|  **Date**  | **Version**  | **History**  |
| 25-05-2023  | 3.20.0  | **New features** • 3D viewer: Keyboard controlling camera movement. • 3D viewer: Significantly improved performance for adding and removing layers. • 3D viewer: Added strafe in xy-plane. • New licensing system (Seequent ID) making it easier for individual users to manage their individual or shared licenses. • Program start-up time has been reduced. **Corrected bugs** • Fixed problem where batch-mode inversions would hang when number of layers exceeds the memory-dependent limit. • Fixed issue where inversions would sometimes run out of memory.  |
| 10-10-2022  | 3.19.2  | **New features** • Option for importing data in Geosoft GDB format. • Option for exporting model results in Geosoft GDB format. **Corrected bugs** • Collate to time-lapse files feature would produce incorrect and invalid data sets if original files contained data error estimates. The problem has been fixed. • Option for exporting models in Slicer/Dicer format would sometimes produce erroneous output. This has been fixed.  |
| 09-02-2022  | 3.19.1  | **New features** • Very large reduction of time spent to display large inversion results using the AGS viewer. • Very large reduction of time spent to export VTK files. • Select whether to include or ignore measurements of array configurations that are not present at all times when collating multiple files to a single time-lapse file. • Select whether to convert to apparent resistance or retain resistivity when collating multiple files to a single time-lapse file. • Support for floating licenses – automatically unregister license when program is closed. • Faster inversions due to changes to compilation procedure. **Corrected bugs** • Collate to time-lapse files feature would produce incorrect and invalid data sets if original files contained data error estimates. The problem has been fixed.  |
| 21-06-2021  | 3.19.0  | **New features** • Very large reduction of time spent by several procedures called during load of large datasets: Check of data positions, electrode number calculations, check of topography data and calculations of nearest point electrodes. • Less restrictive limitations for the number of electrodes allowed in a given data set for professional and enterprise license. • For the ‘Splice large survey grids’ (enterprise license only), the possible number of subdivisions in each horizontal dimension has been increased. **Corrected bugs** • The program performs a check for whether two or more point electrodes in a given measurement are too close. This check, which did not always yield correct results in earlier versions, has now been fixed and its performance has been substantially improved. • The option for outputting xyz-files during batch-inversions did not work. It has now been fixed. • When loading an inversion based on vector array data (enterprise license only) and trimming the data using the RMS error statistics feature, the resulting .dat-file was not a proper vector data set. This has been fixed.  |