

GeoMx[®] DSP Software v2.0 Release Notes

The GeoMx DSP technology expands its functionality through the release of GeoMx DSP software version 2.0 in July 2020. With this release, GeoMx expands its functionality to include compatibility with NGS readout on Illumina platforms. Below is a list of this software version's features as well as feature updates from version 1.5. For additional support or to report an issue with the software, email GeoMxSupport@nanoString.com.

Features

The main user interface of this software is the Control Center. From the GeoMx DSP Control Center, you may control all instrument tasks including creating slide records, managing users, accessing Data Analysis, and starting a run. Features include:

- Accommodation for up to four slides in a run
- Step-by-step data collection workflow
- ROI selection and segment creation tools within the Scan Workspace
- Downstream readout via NanoString[®] nCounter platforms (SPRINT, nCounter MAX, and nCounter FLEX instruments) and via Illumina platforms (i.e., MiSeq, NextSeq550, and NextSeq2000)
- Records management: including slide records, scan parameters, scans, and saved studies
- Administration options for users with administrative access
- Data Analysis Suite: combining spatial resolution of ROIs on scan with visualizations returned from nCounter counts or NGS readout

Feature Updates from v1.5

The GeoMx DSP software v2.0 offers the following new features:

- Processing and analysis of the **Cancer Transcriptome Atlas (CTA)**, an NGS panel of over 1800 RNA targets.
- Coordination with the **GeoMx NGS Pipeline** software to automatically processes Illumina FASTQ sequencing files to GeoMx readable digital counts (DCC) for input back into the Data Analysis Suite.
- New data analysis visualizations: **Pathway Analysis** and **Correlation Plot**.
- Enhanced Data Analysis features, including **Filter** function on toolbar.
- Coordination with **off-instrument DSP Data Analysis** software on server.
- Feature improvements to the **Administration** controls, including the option to configure off-instrument DSP Data Analysis and to enable/disable probe kit configuration files.
- Performance improvements to Scan Workspace including **ROI batch import** and **ROI Report export**.
- **New authentication and login** page.
- Bug fixes, security, and usability improvements.

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