

NovaSeq Software Release Notes

NovaSeq Control Software 1.5.0

NovaSeq Service Software 1.5.0

Universal Copy Service 1.5.4

Real Time Analysis 3.3.5

Introduction

These Release Notes detail new features, improvements, and known issues for the NovaSeq™ 6000 Sequencing System. This update will be available to connected customers via BaseSpace for NovaSeq v1.4 systems. For customers running Control Software v1.3 (or older), please contact your field representative to schedule the upgrade to v1.5.

For more information on the NovaSeq 6000, see the NovaSeq 6000 Sequencing System Guide (document # 100000019358) available on the [NovaSeq 6000 Sequencing System support pages](#).

The software package includes:

- NovaSeq Control Software v1.5.0
- NovaSeq Service Software v1.5.0
- Universal Copy Service v1.5.4
- Real Time Analysis v3.3.5

I. NovaSeq Control Software v1.5.0

NEW FEATURES:

- Added Non-Admin user type to run Control Software. Considerations for this new account type are below.
 - New user accounts fall under customer IT administration for permissions and access
 - Control software only allows one non-admin user to be logged in at a time. Due to this we recommend not logging out a non-admin account during an active sequencing run
 - UCS can only be manipulated by the non-admin user who started the instance
 - Admin account log in will be prompted for certain situations such as software install
 - Only admins will have read/write access to C:\ drive
 - Non-admin will have read access to C:\ drive
- If Control or Service software is active, Windows shut down or restart will be blocked until user acknowledgement occurs

IMPROVEMENTS:

- Software no longer restricts consumable loading order. RCA will not be activated until the user is finished configuring the parameters for the run
- Library tube barcode validation is no longer performed if the instrument is running NovaSeq Xp workflow with LIMS
- Default Workgroup will now mirror user assigned default workgroup in BSSH

- File Path has been updated to provided better security
 - Updated path is C:\ProgramData\Illumina\NovaSeq changed from C:\Illumina
 - Note that the ProgramData folder is hidden by default
 - Due to this file path change, any custom settings specified in the existing options.cfg need to be updated within the new options.cfg file found in C:\ProgramData\Illumina

II. Universal Copy Service v1.5.4

New Features:

- If UCS loses connectivity with BaseSpace, the run will continue and UCS will reconnect once the reconnection is re-established

Improvements:

- Improved error handling and messaging

III. Real Time Analysis v3.3.5

New Features:

- Support added for two options for thumbnail generation.
 - Option 1 - Generate thumbnails for the first cycle of each read
 - Option 2 - Generate thumbnails for every cycle of each read

Improvements:

- System now outputs thumbnail images for the first cycle of each read by default