

## AGCC 1.1 Release Notes

### New Features and enhancements:

- The AGCC 1.1 software release provides support for GeneChip Arrays for Sequence Analysis, including CustomSeq Resequencing arrays.
- Basic and Batch Sample Registration now support dates and numbers in addition to text for sample attributes not associated with a template.
  - This will enhance the ability to search for samples based on user attributes. For example, users can now search for numeric attribute using greater than, less than, and between instead of just exact matches.
- Batch Edit in Excel spreadsheet can now be used to add barcodes to existing samples.
- The Add Barcode function has been enhanced to enable customers to display the sample attributes of their choice, not just the array name to aid in identifying the correct samples.
- The Data Exchange Console installation package now includes the Reconnector software tool. Reconnector enables users to re-establish relationships between DAT and CEL files and between CEL and CHP files.
  - Archived DAT files that were not imported into Command Console at the same time as their CEL files can now be “reconnected”.
  - CHP files created by Expression Console or Genotyping Console from GCOS CEL files can now be “reconnected” to their CEL files after the CEL files are imported into AGCC.
  - DAT and CEL files created during a drop and scan operation can be connected to a pre-registered ARR file. The Drop and Scan data files will be merged with the pre-registered ARR file.

### Installation/Upgrade Requirements for AGCC 1.1

- The AGCC 1.1 and DEC 1.1 installers are capable of upgrading AGCC 1.0 systems as well as installing on systems without AGCC 1.0.
- AGCC 1.0 and DEC 1.0 do not need to be uninstalled when upgrading.
- Beta versions of AGCC and DEC must be uninstalled prior to installing AGCC 1.1 or DEC 1.1. This includes uninstalling Microsoft SQL Server 2005 Express. Please refer to the install guide for more detailed instructions.

### Known issues in AGCC 1.1

#### AGCC Portal

1. In certain Windows 2003 Server environments, users may not be able to upload a batch register file in Excel format with user attributes. To perform the upload, grant Read & Execute permissions to “Everyone” on the Windows 2003 server’s C:\Windows\Temp folder or upload in TSV format.
2. In basic search, the “OR” logic does not return results when performing a combination search by Number or Date attribute.
3. When performing batch editing of samples, do not mix samples with mismatched templates that contain a required field. It is recommended to Batch Edit samples with same templates only.
4. When using the batch register excel file to perform batch editing of samples, SingleSelect type will be converted to Text, and Required value will be converted to Non-Required if the associated template no longer exists in AGCC.
5. When batch registering samples with a combination of Affymetrix and custom barcodes, with the “Allow custom barcode” option enabled, the error “Probe Array Type is empty. Please

specify Probe Array Type” will occur for samples with Affymetrix barcode if a probe array type is not specified. Specify the probe array type for samples with Affymetrix barcode.

6. When performing batch registration using an excel file, do not define the type information for user defined sample attributes in the header (e.g. SampleAttribute\*:Date). This format is used in TSV file and using this format in an excel file will result in the attributes being saved as text irrespective of the type defined in the header.
7. When editing a sample file from the UI to change the probe array type, if the “Derive array name from the sample file’s name” option is enabled during registration, the array name does not get updated automatically. User must uncheck the “Derive array name from the sample file’s name” box and update the array name manually.
8. Basic search does not return result if searching for date attributes (e.g. 06/04/04) that are defined as type text.
9. Sometimes on Windows 2003 server, the search result returns files with blank information. Click the File name header to display the file information.
10. When copying a project on AGCC Workgroup from a remote machine, the destination is referring to the path on the server, not on the local workstation.
11. The error “page not found” will occur when creating a report on a project that contains # or % in the name. This only happens on AGCC workgroup.
12. When using the file upload function, GRD and CEL Summary Report files will not upload if data root is on a network share. To move the files to the network share, manually move the files.
13. When registering a sample with a template that contains attribute of Date type, entering a value with one decimal of Number type (e.g. 4.1) will automatically be converted to date type (i.e. 4/1/08).
14. When using the Add Barcode feature, the list that is returned may contain sample files that already have a barcode.
15. When using the manual grid function, sometimes CEL files are not displayed correctly at certain zoom in levels.
16. Command Console viewer will crash if a file is closed while the image is updating, particularly if the data is on the network, No data is lost, simply re-open the viewer.

## **DEC**

17. When reconnecting data, the reconstructor will move all ARR files to an obsolete folder including ARR files that contain more than one physical array. Browse to the obsolete folder to look for the ARR files. Note: The obsolete folder is created in the same folder that the user selects as the source folder for the reconnect operation.
18. The error "An item with the same key has already been added" may occur on certain resequencing files when importing from a network drive. Move the files to a local drive if this occurs.
19. Exporting of resequencing or Mapping CHP file(s) is not supported.
20. Importing of Mapping CHP file(s) into AGCC is not supported.

21. Audit file is missing when importing data from a network drive. Move the data to a local drive prior to importing.

### **Installer**

22. On some instances, AGCC fails to install on Windows 2003 Server with a "1603 fatal error" message. Browse to the "temp" (environment) directory, delete all temporary files, restart the server, and then launch the install.
23. When uninstalling a previous version of AGCC, you must delete the "C:\Program Files\Microsoft SQL Server\90" folder prior to installing AGCC 1.1.

### **Instrument Control**

24. Upgrading an instrument control workstation from XP to Vista will render the fluidics station and the scanner unusable. Instrument Control is not supported on Vista.
25. The fluidics protocol is not selected automatically for resequencing arrays. Select the protocol manually.
26. User defined fluidics protocol values are overwritten without warning when fluidics script is reinstalled.
27. Fluidics information entries such as Stage, Time Cycle, etc. will be blank on non-English instrument workstation.

### **The following known issues in AGCC 1.0 that were addressed in AGCC 1.1**

1. Search by barcode is limited to one barcode at any time. Searching for multiple barcodes simultaneously is not supported in 1.0. In 1.1, when searching for more than one barcode simultaneously, use the "or" logic.
2. Editing of a sample file that contains attributes on a system that does not contain the template will cause all of the attributes to be converted to type *text*. No data is lost by this conversion; however, it will affect the advanced search since the attributes are converted to a different type. To avoid this issue, simply copy the template associated with the Sample File to the current system. Note: This issue has been fixed for template attributes in excel file, however, SingleSselect and required attributes in excel will still be converted to text. This issue has not been fixed for TSV files.
3. When editing an array file, tabbing through the fields will clear the probe array type when the corresponding library files for that ARR file are not installed on the system. An error message is now displayed on tab out from the barcode field, and the probe array is not cleared.
4. The Portal accesses the local templates. This means that when logged on to a Windows 2003 server in the Workgroup version, the templates on the server are used. When logged on to the local web server, the templates on your local computer are used. In a Workgroup environment, make sure the URL is directed to the expected location (the web server on the Windows 2003 server or the local host web server on the standalone workstation).
5. Users using an operating system locale other than US English will not be able to perform a date search in their locale format. They will need to search using the US English format.
6. When using the Safari/MAC browser or IE 7.0 browser, you may see a display issue if you used the Add Barcode feature after the Sample files are created. On the Safari/MAC browser, there is text that is overlaid on top of other text. In the IE 7.0 browser, there is

the text “undefined” that is displayed in the lower right hand corner. The display does not affect the data.

7. When renaming a sample array name using the Rename function in AGCC, it only renames the sample array name and not any associated files.
8. If you uninstall AGCC on Vista operating system, you will need to manually stop the following AGCC Services first:
  - a. AGCCAuditLogger
  - b. AGCCIndexer
  - c. AGCCTaskManager
  - d. AGCCWebServer

After stopping these services, you can uninstall the software.

**The following known issues in AGCC 1.0 were NOT addressed in AGCC 1.1**

1. Attribute order and display: In AGCC 1.0, attributes cannot be re-ordered. They are displayed in the order in which they are entered in the AGCC Portal user interface.
2. Leaving a sample file unsaved for 20 minutes during basic sample registration can cause the system to timeout and requires re-entry of the data. To avoid this issue, save the sample file before beginning another operation on the computer or walking away from the computer.
3. If a project was originally associated with a data root that has been removed from the AGCC view, but not deleted from the file system, the data still exists. Future data saved to that project will be saved in the original folder but will not be viewable in the AGCC Portal views. To view this data, assign the data folder to an AGCC project and move the folder to an AGCC data root.
4. AGCC uses the local settings of the computer to determine the date and decimal syntax, therefore, using a batch editing or registration file on a computer with different local settings may cause the data to be misinterpreted. For example, a batch registration file created on a computer using US English local settings and uploaded to a computer using German local settings will cause the decimal place to be misinterpreted. (e.g. 1.2 => 12.0) To avoid this, create or resave the batch file on the same computer it will be uploaded on.
5. Clicking rapidly between project folders using the Folder view in the AGCC Portal may cause an error stating “this.get\_element().style is null or not an object” to be displayed. Simply refresh the screen to continue using the system.
6. GCOS data can exist in AGCC, but not all of the functionality of AGCC works on GCOS data.
  - a. GCOS data is not visible in the Project View. To find GCOS data associated within a project use either the folder view, or advanced search.
  - b. GCOS data is only searchable by file name, file modification date, and project, not by sample attributes.
  - c. GCOS data cannot be opened in the AGCC Viewer.
7. File and folder names should be consistent for:
  - Array Name
  - Sample File Name
  - Template Name
  - Project Name

These are valid characters for file and folder names:

- Only Basic Latin letters (A-Z, a-z), digits, spaces and !#\$%&'()+,.-;=@[]^\_`{}~ characters are allowed.
  - AGCC & Windows OS will not allow \ / : \* ? " < >
8. If a user is logged on and then uses Microsoft's "Switch User" feature, the data access/permission will be determined by the first user logged on. If you want different data access/permission, have the initial user log off and log on as the user you want.
  9. Using the character sequence "&#" to create Sample File Names, Array Names and Templates will cause the application to crash.
  10. Changing the Probe Array Type of a CEL file to another Probe Array type will require the CEL file to be regenerated.
  11. "HT Plate Registration" does not support custom barcodes in this release.
  12. Sample files generated using beta software versions will not be distinguished from files generated in the released version. There is no version marked in the file.
  13. When launching AGCC Portal using Firefox web browser, an error "Windows cannot find "http://localhost:8000/AffyWeb/Default.aspx" or "Unhandled exception has occurred in your application" may occur. The error message only appears initially and does not have any adverse affect to the application or data. Click OK and continue on with the application.
  14. When changing the Default System Folder to another destination other than "C:\Command\_Console\Data", AGCC does not enable users to delete the "C:\Command\_Console\Data" data root. Other data roots can be deleted. Note that deleting data roots does not delete the data but rather deletes a link to the data destination
  15. When using basic search, do not use a comma to search for multiple attributes. AGCC basic search will return no results when a comma is used in the search criteria. To avoid this, use a wildcard or the "or" logic in the search criteria instead of a comma.
  16. When registering a Citrus or Tiling array, use the AGCC Portal to register the samples. Using HT Sample or Batch Registration will not work for this array type.
  17. On the Advanced Search by date feature, users can only change the date month by month to a specific date. There is not a way to enter a specific date in this release.
  18. A template name can only be 221 characters. If it is more than 221 characters, the application will crash.
  19. If you use the Quick Register feature and change the default project folder, the files are not saved to the new location. To avoid this, use basic or batch registration. You can also move the files manually to the appropriate folder. If the files are not in the selected folder, you can use the Search by Project feature to locate the registered files.
  20. Using batch registration requires the Excel worksheet name to be "samples", otherwise batch registration will not work.
  21. A single data root that contains more than 100,000 files in the database cannot be removed through the AGCC user interface. To work around this, you will need to move files to create smaller data roots in order to remove it.

22. If using Advanced Search and more than 25,000 files are returned, you may receive a "SOAP exception error". To work around this, narrow your search so that fewer files are returned.

### **Performance**

23. Version 1.0 of AGCC has been engineered to provide good user interface and file index performance for up to 10,000 experiments (arrays) stored locally on a workstation and within an AGCC data root. The computer system specifications used for this testing were an instrument control workstation with 2GB Ram and a dual core CPU. It also included 5 data files for each experiment (sample, DAT, CEL, CHP, and JPG files) resulting in a total of 50,000 indexed files. To optimize performance, we recommend storing no more than 5,000 total files (data from 1,000 arrays) in any one data folder.  
If your data requirements are outside of these parameters please contact your local Affymetrix office for consultation on configuring your environment for optimal performance.
24. When using DEC to import/export files, it is recommended to import/export less than 1000 files for a single run. This operation can take up to approximately 8 hours depending on the size and number of files being imported/exported and the system configuration.

### **DEC**

25. When importing library files, the source and destination folder cannot be the same location.
26. If a user renames the destination folder while data is being imported, the import will fail.
27. If the probe array type is changed in an AGCC CEL file and imported into GCOS using DEC, GCOS will show the original probe array type name and not the new name.
28. If a user is trying to connect DEC to a GCOS Server, an error message will occur: "Error creating MAGE-ML data on the remote system". You will need to run the "DecOnGcos" executable on the GCOS Server. After running the setup.exe from the DecOnGcos folder, the user will be able to connect DEC to a GCOS Server. The DecOnGcos folder is included with the AGCC install.
29. Using DEC to import the Sample file back to a GCOS system, the fluidics information will not be available. To avoid this, use Windows Explorer and rename the AUDIT file to match the Sample file name. Use DEC to export the data to GCOS and the fluidics information will be displayed in the EXP file.

### **Installer**

30. Sometimes after installing AGCC/DEC on a Windows 2003 Server, an error "IIS Worker Process" may occur. This error may occur initially after an initial install. Click on "close" and the application works fine.
31. Installing AGCC Workgroup version on Windows 2003 Server does not check the Service Pack level. The supported configuration must have SP2 installed.

### **Instrument Control**

32. If a network disconnect occurs between the workstation and the scanner during a scan, the application will not automatically re-establish a connection. The user must close the instrument control window and re-launch the application.
  
33. If the service user has access to a sample file and the logged in user does not, the system will still allow the logged in user to scan the array and the scan will be created in the designated folder location.