Release Notes
=============

   #Product:#   caArray
   #Version:#   1.6
   #Date:#   November 2007

Contents
----

   1. Introduction
   2. Release History
   3. New Features and Updates
   4. Bugs Fixed Since Last Release
   5. Known Issues/Defects
   6. Bug Reports, Feature Requests, and Support
   7. Documentation and Files
   8. NCICB Web Pages

Introduction

The caArray data portal is a MIAME compliant data repository
that allows submission of MIAME 1.1 level annotations and
microarray data via web-based submission forms. Registration
is required to submit data, or to access protected data.

caArray is a product of the NCI Center for Bioinformatics and its partners.
Visit the caArray web site for more information:

* http://caarray.nci.nih.gov/

Release History
----

   * caArray v1.6   -- November 2007
   * caArray v1.5.0.2   -- August, 2007
   * caArray v1.5.0.1   -- July 2, 2007
   * caArray v1.5   -- June 21, 2007
   * caArray v1.4   -- October 17, 2006
   * caArray v1.3.1   -- March 31, 2006

New Features and Updates
----

   1. Improved notification for Array Design file upload and parsing status.
   (related to Bug 6237)
   2. Significant improvements to the data file parsing and loading of array
   designs and hybridization data.

Defects Fixed Since Last Release
----

   * Bug 2224 File upload date doesn't include accurate upload time
   * Bug 3102 save of "Biosource" annotation slow
   * Bug 3112 Delete Experiment action throws java.sql.SQLException:
   ORA-02292: integrity constraint (CAARRAYOP.BIOASSAYCHANNEL_FK2) violated
   * Bug 4339 Add BioSource is SLOW!
   * Bug 4647 Invalid Timestamp in Hybridization file upload:Always 12:00:00
   AM EDT after process completion
   * Bug 5843 Protocol detail page not showing Software associations
   (malformed HTML)
   * Bug 5923 Search Labeled Extracts by Organism
   * Bug 5984 Deletion of Hybridization File may not delete all references
   (both db & filesystem)

* Bug 6118 View Array Detail page shows two "Done" buttons (public search only)
* Bug 6151 Ability to sign upload applet using alternative CA (keystore)
* Bug 6219 Array design download link not available after "number of features" is populated
* Bug 6237 Add new ArrayDesign; invalid files (parsing & import errors/problems) not communicated to user
* Bug 6308 Applet jar not signed using adequate CA
* Bug 6352 Duplicate experiments when the 1st attempt to create an Experiment resulted in an error
* Bug 6362 can't save(display) (newly copied?) biosource modification
* Bug 6390 Newly created Array did not show up until for about half hour after "done"
* Bug 6391 Multiple .CEL file upload resulted in misleading processing status error messages
* Bug 6411 Controlled vocabularies, database version
* Bug 6716 Problem deleting ArrayDesigns
* Bug 6801 Exception on shutdown about closing open JDBC Connection, Resultset and Statement..
* Bug 6975 Sample Information: Search Sample Extract Characteristics error.. [ServletException in:/biomaterials/bodySampleDetail.jsp .. Null property value for 'treatmentType'']
* Bug 6999 User Management: Search Results User:User First Name, User Last Name "NULL" showing
* Bug 7013 Wrong URL link in caArray 1.5 Users Guide
* Bug 7019 Experiments: Required field "Experiment completion date" not being validated
* Bug 7156 exception on viewing sample extract [ServletException in:/biomaterials/bodySampleDetail.jsp] Null property value for 'treatmentType''
* Bug 7157 Labeled Extract Detail Page – Field Name
* Bug 7345 WARN [PersistenceBrokerImpl] No running tx found, please only store in context of an PB-transaction, to avoid side-effects – e.g. when rollback of complex objects
* Bug 7374 AffymetrixArrayDesignLoader class not closing instances of ArrayDesignSaver class within public methods
* Bug 7681 Annotate an Existing File in an Experiment
* Bug 7788 caAMEL import of Hardware and Software without types causes NullPointerExceptions
* Bug 8584 Experiment: Additional File Upload Size Limitation
* Bug 8599 Update 1.6 Portal Installation Guide with Installer Instructions
* Bug 8601 caArray Update Utility (UNIX) text-mode installation inconsistencies
* Bug 8775 caArray 1.6 Tech Guide states that MAGE-OM includes NetCDF API, but there is no documentation on how to use it.
* Bug 8941 CA_FILEPARSINGENTRY.FAILURE_DESCRIPTION column too short for parsing error messages
* Bug 8944 System logs state "ERROR [gov.nih.nci.caarray.services.security.RdbmsAuthenticationDAObj] conn.closeRequest() failed"
* Bug 9408 Unable to page (Prev, First, Next, Last) through search results on Search Experiments page
* Bug 9826 Error when attempting to upload large (GB) sets of data using Applet
* Bug 10105 Portal parses files marked as "Other" when imported via caAMEL
* Bug 10116 Unable to retrieve Illumina CSV hybridization files loaded under v1.6
* Bug 10123 System encounters 'java.lang.OutOfMemoryError' and performs slowly to users when the system is processing hybridization data uploads

Known Issues/Defects

See GForge for latest existing open bugs, resolutions and feature requests. http://gforge.nci.nih.gov/tracker/?group_id=82

* Bug 10124 File Uploads (jobs) continue to be processed despite early-on

    (pre-processing) errors

Bug Reports, Feature Requests, And Support

Send email to ncicb@pop.nci.nih.gov to request support or
report a bug or request a new feature. Existing requests and
resolution may be viewed at the caArray GForge URL:
    * http://gforge.nci.nih.gov/tracker/?group_id=82

Documentation And Files

All documentation and files are bundled with the distribution. Documentation
can be found in the docs subdirectory of this distribution.

NCICB Web Pages
----

    * The NCI Center for Bioinformatics, http://ncicb.nci.nih.gov/
    * NCICB Application Support, http://ncicb.nci.nih.gov/NCICB/support
    * NCICB Download Center, http://ncicb.nci.nih.gov/download/