



## JLR v4 Software Updates



**January 24 2020**

Prepared By:  
Critical Link LLC  
6712 Brooklawn Parkway  
Syracuse NY 13211

## History

Version	Date	Build
2020.12.9	Dec 9 2020	69 (gws_report)
2020.9.10	Sept 10 2020	
2020.2.24.147	Feb 24 2020	147
2019.11.14.146	11/14/2019	146

These release notes contain supplemental information about changes made to the JLRv4 Application since the formal test release (version 2019.9.15.133)

Topics Include:

[Release History](#)

[JLRv4 Software 2020.12.9 Release Notes](#)

[JLRv4 Software 2020.9.10 Release Notes](#)

[JLRv4 Software 2020.2.24.147 Release Notes](#)

[JLRv4 Software 2019.11.14.146 Release Notes](#)

[JLRv4 Software 2019.11.12.145 Release Notes](#)

[JLRv4 Software 2019.11.11.144 Release Notes](#)

[JLRv4 Software 2019.10.16.141 Release Notes](#)

[JLRv4 Software 2019.10.10.139 Release Notes](#)

[JLRv4 Software 2019.9.26.136 Release Notes](#)

[JLRv4 Software 2019.9.17.135 Release Notes](#)



## Release History

Several interim releases of the JLRv4 software were made after the final test version (build 133) was released..

- 2020.12.9
- 2020.9.10
- 2020.2.24.147
- 2019.11.14.146
- 2019.11.12.145
- 2019.11.11.144
- 2019.10.16.141
- 2019.10.10.139
- 2019.9.26.136
- 2019.9.17.135

## JLRv4 Software 2020.12.9 Release Notes

JLRv4 version 2020.12.8 addressed issue 15645 by adding the GWS report type and making the RawData portion of the report used by Alcon MES software match previous versions.

Additional changes:

- Change column B of report main page to indicate lens name vs group comments. Group comments are still available on the Group details page.
- Add Lens Name to group details sheet.
- Change file naming scheme so newest xlsx report is without numbering. Number suffixes are added to old copies before new version is written.
- Fix crash when MCC temperature device is configured but not present and the user selects the "About" item from the Help menu..

### Redmine Issue(s):

15645 - JLRv4 Report Update for GWS

### Affected Files:

- gui/reportwriter.cpp
- gui/tcFileIO.cpp
- gui/tcFileIO.h
- gui/tcFileIOCsv.cpp



- gui/tcFileIOExcel.cpp
- gui/tcFileIOExcel.h
- gui/tcFileIOPdf.cpp
- gui/dvreport.cpp

## JLRv4 Software 2020.9.10 Release Notes

JLRv4 version 2020.9.10 addressed issue 15399 by correcting the calculation of lens diameters to use calibrated points instead of pixel locations. It also updates the OSM calculation as requested.

Additional changes:

- Add “track” checkboxes in image analysis tab to set row/col based on mouse position.
- Change how data is saved in calibration details screen
- Show both circular and elliptical residuals in residuals plot on diameter fit tab.
- Miscellaneous debug/print statement changes.

### Redmine Issue(s):

15399 - JLR Software update

15269 - OSM Definition Change

### Affected Files:

gui/imgproc/milMath.cpp

gui/imgproc/milMath.h

gui/imgproc/milUtil.cpp

gui/imgproc/milUtil.h

gui/cameracaldialog.cpp

gui/diameterfitdlg.cpp

gui/diameterfitdlg.h

gui/imageanalysisdlg.cpp

gui/imageanalysisdlg.h

gui/jlrcontroller.cpp

gui/jlrresultswidget.cpp

gui/lenstable.cpp

gui/mainwindow.cpp

gui/mainwindow.h

gui/simpleplot.cpp

gui/simpleplot.h

gui/tcWidgetWrJlr.cpp

gui/widgettestdata.cpp





## JLRv4 Software 2020.2.24.147 Release Notes

JLRv4 version 2020.2.24.147 addressed issue 14805 by adding applying the diameter correction coefficients before using the diameter to compute the BCE.

### Redmine Issue(s):

14805 - BCE calculation error on JLRv4 2019.11.14 build 146

### Affected Files:

gui/jlrcontroller.cpp

**JLRv4 Display**  
Version 2020.2.24 build 147 - SVN revision:  
2766  
Feb 24 2020 13:42:15  
Built with [Qt 5.12.2](#) and [Qwt 6.1.3](#)

## JLRv4 Software 2019.11.14.146 Release Notes

JLRv4 version 2019.11.14.146 addressed issue 14503 by adding operator change to the event log, and use current operator value in all measurements (vs operator who started report).

### Redmine Issue(s):

14503 - Operator traceability with measurements

### Affected Files:

gui/eventlog.cpp  
gui/eventlog.h  
gui/reportgroup.cpp  
gui/reportlens.cpp



gui/tcWidgetWrJlr.cpp

## JLRv4 Software 2019.11.12.145 Release Notes

JLRv4 version 2019.11.12.145 updated the users manual only.

**Redmine Issue(s):**

N/A

**Affected Files:**

sys/docs/JLR4\_UsersManual.docx

## JLRv4 Software 2019.11.11.144 Release Notes

JLRv4 version 2019.11.11.144 addressed issue 14484 by applying diameter correction coefficients during diameter verification.

**Redmine Issue(s):**

14484- Diameter coefficient correct

**Affected Files:**

src/lenstype.cpp

src/settings.cpp

src/settings.h

src/settingsdlg.cpp

src/settingsdlg.ui

src/string\_consts.h

src/system\_consts.h

gui/diameterverifydialog.cpp

gui/diameterverifydialog.h



## JLRv4 Software 2019.10.16.141 Release Notes

JLRv4 version 2019.10.16.141 add a sixth decimal place to the Edge Flat indicator in the diameter fit dialog.

**Redmine Issue(s):**

14379 - Out of Round (OOR calculation) and Edge Flat

**Affected Files:**

gui/diameterfitdlg.cpp  
src/lenstype.cpp  
src/string\_consts.h  
install/lenses\_example.ini

## JLRv4 Software 2019.10.10.139 Release Notes

JLRv4 version 2019.10.10.139 addressed issue 14342, "PSag OOR Coeffs not applied". The primary change here was to split the corrected PSag from the "raw" PSag value.

**Redmine Issue(s):**

14342 - PSag OOR Coeffs not applied

**Affected Files:**

gui/data\_logger.cpp  
gui/jlrcontroller.cpp  
gui/jlrcontroller.h  
gui/jlrmeasurementstep.cpp  
gui/jlrplotsource.cpp  
gui/jlrresultswidget.cpp  
gui/reportitem.cpp  
gui/tcFileIOExcel.cpp  
gui/tcFileIOPdf.cpp  
gui/testdatamodel.cpp



## JLRv4 Software 2019.9.26.136 Release Notes

JLRv4 version 2019.9.26.136 added the following:

- included the default configuration files from Alcon.
- Fix: PSAG coefficients not applied when OTG data updates.. only when ellipse updates (in results widget)

### Redmine Issue(s):

14242 - JLR Version 2019.9.15.133 Release (Build 2B)

### Affected Files:

gui/jlrcontroller.cpp  
gui/jlrcontroller.h  
gui/jlrmeasurementstep.cpp  
gui/jlrresultswidget.cpp  
install/lenses\_example.ini  
install/sample\_jlr.ini

## JLRv4 Software 2019.9.17.135 Release Notes

JLRv4 version 2019.9.17.135 removed the MIL/DesiredNumEdgePoints from the tcJlrController::updateDiameterFitData, instead using the size of the given list.

### Redmine Issue(s):

14242 - JLR Version 2019.9.15.133 Release (Build 2B)

### Affected Files:

jlrcontroller.cpp

