**CyFlex® Release Notes**

**Release Version 7.1.4b**

**Developed by TRP Laboratories**

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# Overview

This release notes document identifies and describes the updates for CyFlex version 7.1.4b. The following link contains Jira issues within this release: [cyflex.7.1.4b - Jira Issues](https://max.cybermetrix.com/jira/issues/?filter=14183)

Refer to *Installation Notes* below for install-related considerations.

# Installation Notes

|  |
| --- |
| To install Cyflex 7.1.4b follow the instructions below: Cummins sites: sudo yum install cummins-cyflex.7.1.4b Non-Cummins sites: sudo yum install cyflex.7.1.4b[CFBUG-3445](https://max.cybermetrix.com/jira/browse/CFBUG-3445) – requires the SER.test\_end\_date\_time column to be added to the database[CFBUG-3449](https://max.cybermetrix.com/jira/browse/CFBUG-3449) / [CFBUG-3450](https://max.cybermetrix.com/jira/browse/CFBUG-3450) / [CFBUG-3452](https://max.cybermetrix.com/jira/browse/CFBUG-3452) / [CFBUG-3454](https://max.cybermetrix.com/jira/browse/CFBUG-3454?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) / [CFBUG-3459](https://max.cybermetrix.com/jira/browse/CFBUG-3459?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC)  / [CFBUG-3471](https://max.cybermetrix.com/jira/browse/CFBUG-3471?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) / [CFBUG-3472](https://max.cybermetrix.com/jira/browse/CFBUG-3472?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC)Changes to the underlying architecture of handling config events have been implemented in this version. The changes are to increase the reliability of CyFlex on systems with large numbers of programs running simultaneously that undergo a plethora of rapidly triggered config events.  |

# Issue Type and Jira Issue Legends

Refer to the following legend for **Issue Type**:

|  |  |
| --- | --- |
| **Issue Type Key** | **Definition** |
| **NF** | New feature |
| **B** | Bug |
| **I** | Improvement |

**X** = denotes additional information about change within the **Related Jira Issue**.

# General Applications

| **Application, Script, or Library** | **Install Note Above** | **Issue Type** | **Bug Fix Name** | **Description** |
| --- | --- | --- | --- | --- |
| change\_res |  | I | [CFBUG-3441](https://max.cybermetrix.com/jira/browse/CFBUG-3441) | Modification to add new lines after output statements for the command prompt to end up on its own line |
| slay\_stuff |  | B | [CFBUG-3446](https://max.cybermetrix.com/jira/browse/CFBUG-3446) | Modification to speed up time takes for slaying programs |
| gen\_labels |  | B | [CFBUG-3447](https://max.cybermetrix.com/jira/browse/CFBUG-3447) | Modification to initialize variable so 5000 timer is created correctly when specified in gen\_labels |
| tca |  | I | [CFBUG-3448](https://max.cybermetrix.com/jira/browse/CFBUG-3448?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Removed usage for tca because tca.10c and tca.12 deprecate the tca usage. |
| Sever cyflex applications |  | B | [CFBUG-3449](https://max.cybermetrix.com/jira/browse/CFBUG-3449) | Modification of how reconfigs are handled |
| evnt\_adm |  | B | [CFBUG-3450](https://max.cybermetrix.com/jira/browse/CFBUG-3450) | Replace evnt\_adm in 7.0 with evnt\_adm from 7.1 |
| schedulerlimitcompvar |  | B | [CFBUG-3452](https://max.cybermetrix.com/jira/browse/CFBUG-3452) | Update to fix compvar not updating correctly with new version |
| gp\_testtest\_limit |  | B | [CFBUG-3454](https://max.cybermetrix.com/jira/browse/CFBUG-3454?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | @LIMIT\_SPECS\_ALL now works more than just once. |
| list\_events |  | B | [CFBUG-3455](https://max.cybermetrix.com/jira/browse/CFBUG-3455?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Update to list events created by test and list events attached to tasks |
| pwm\_ctrl |  | I | [CFBUG-3457](https://max.cybermetrix.com/jira/browse/CFBUG-3457?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Prevent unnecessary error message being output |
| compvar |  | I | [CFBUG-3458](https://max.cybermetrix.com/jira/browse/CFBUG-3458?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Modification to allow compvar to handle multiple reconfigurations properly |
| cf\_scales |  | I | [CFBUG-3459](https://max.cybermetrix.com/jira/browse/CFBUG-3459?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Updated to use new configuration handling method |
| error\_mgrerrs |  | B | [CFBUG-3460](https://max.cybermetrix.com/jira/browse/CFBUG-3460?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Removed apostrophes leading to problem displaying error messages. |
| eng\_ctrl\_task |  | B | [CFBUG-3461](https://max.cybermetrix.com/jira/browse/CFBUG-3461?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Fixed errors being generated after a gen\_labels was executed |
| tcal\_util |  | B | [CFBUG-3462](https://max.cybermetrix.com/jira/browse/CFBUG-3462?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Modification to handle nan value of sensor range values and changes to screen flow when it comes to checking values |

# Central Server Applications

| **Application, Script, or Library** | **Install Note Above** | **Issue Type** | **Bug Fix Name** | **Description** |
| --- | --- | --- | --- | --- |
| run\_aver |  | B | [CFBUG-3463](https://max.cybermetrix.com/jira/browse/CFBUG-3463?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Modification to set initial value to first value until the FIFO buffer fills |
| tcal\_utilai\_transfer |  | B | [CFBUG-3467](https://max.cybermetrix.com/jira/browse/CFBUG-3467?filter=14183) | Fix to correct offset of calibration tables in some applications |
| var\_transfer |  | B | [CFBUG-3468](https://max.cybermetrix.com/jira/browse/CFBUG-3468?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Reliability fixes |
| run\_num\_mgr.10c |  | I | [CFBUG-3469](https://max.cybermetrix.com/jira/browse/CFBUG-3469?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Added SLO timer to allow for checking of config changes |
| save\_status |  | I | [CFBUG-3470](https://max.cybermetrix.com/jira/browse/CFBUG-3470?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Added SLO timer to allow for checking of config changes |
| limit |  | B | [CFBUG-3471](https://max.cybermetrix.com/jira/browse/CFBUG-3471?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Modification to prevent running during configuration |
| flogger |  | I | [CFBUG-3472](https://max.cybermetrix.com/jira/browse/CFBUG-3472?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Added additional check to handle configuration |
| compvar |  | I | [CFBUG-3475](https://max.cybermetrix.com/jira/browse/CFBUG-3475?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Update to allow compvar to occasionally check for timer changes |
| compvar |  | B | [CFBUG-3476](https://max.cybermetrix.com/jira/browse/CFBUG-3476?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Reduced timeout value  |
| limit |  | B | [CFBUG-3477](https://max.cybermetrix.com/jira/browse/CFBUG-3477?filter=14183) | Modification to how reconfig done signal is handled |
| run\_num\_mgrseveral other applications |  | B | [CFBUG-3480](https://max.cybermetrix.com/jira/browse/CFBUG-3480?filter=14183) | Refer to CFBUG for more information on change |

# Transient Emission Applications

| **Application, Script, or Library** | **Install Note Above** | **Issue Type** | **Bug Fix Name** | **Description** |
| --- | --- | --- | --- | --- |
| libtri\_nface12.so |  | B | [CFBUG-3464](https://max.cybermetrix.com/jira/browse/CFBUG-3464?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Modification to eliminate error if @DATA\_CHANNELS or @STATISTICAL\_CHANNELS are the last keywords within the tri\_specs.dat file by checking the return value of the process\_tri\_chans function call |

# Weighroom Applications

| **Application, Script, or Library** | **Install Note Above** | **Issue Type** | **Bug Fix Name** | **Description** |
| --- | --- | --- | --- | --- |
| libwtrm\_dbase.so.7.0.0libwtrm.so.7.0.0filt\_data\_savetest\_end\_updatewtrm\_sessionRptwtrm\_sampleFilRpt\_cnvtwtrm\_sampleFilRptCsv\_cnvtfilter\_detail\_rpt/cyflex/cmds/wtrm\_sampRpt | Y |  | [CFBUG-3445](https://max.cybermetrix.com/jira/browse/CFBUG-3445) | - Add SER.test\_end\_date\_time field to table- Modification to code to set test\_end\_date\_time field value to SER.test\_date\_time + sample time when files are received from the test cell- Create test\_end\_update program to set the SER.test\_end\_date\_time field value to the calculated value- Changes to session report, filter detail report and sample filter report to reference Filter Sync Time and Test End Time instead of load/unload time- Change to /cyflex/cmds/wtrm\_sampRpt script file to add SER.test\_end\_date\_time to query |
| wtrm\_sessionRpt |  | I | [CFBUG-3465](https://max.cybermetrix.com/jira/browse/CFBUG-3465?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Layout modification if only one sample filter is in session - change to write the correct test cell number and test plan number if only one sample filter |
| wtrm\_qt |  | B | [CFBUG-3473](https://max.cybermetrix.com/jira/browse/CFBUG-3473?filter=14163&jql=project%20%3D%20CFBUG%20AND%20%22CyFlex%20Release%20Number%22%20~%207.0.22%20ORDER%20BY%20key%20ASC) | Modification to make weight values in MultiWeigh tab darkerChange where errors will be printed to the status box |

# [Release Notes for Previous cyflex.6.3 and cyflex.7.0 Versions](https://cyflex.com/index.php/links-to-release-notes-documents-of-previous-cyflex-versions/?doing_wp_cron=1704908650.9157769680023193359375)