# CyFlex® Release Notes

## Release Version 6.3.40 and 7.0.14

## November 10, 2023

**Developed by TRP Laboratories**

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## Overview

This release notes document identifies and describes the updates for CyFlex version 6.3.40 and 7.0.14. The following link contains Jira issues within this release:  cyflex.6.3.40 and 7.0.14 - Jira Issues

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

## Installation Notes

**IMPORTANT**:

- All previously installed cyflex.7.0 versions should be replaced with the 7.0.14 version due to the DOUBLE PRECISION problem fixed in CFBUG-3203

- Prior to installing the cyflex.6.3.39 and 7.0.14 cyflex versions, a check must be done to confirm what version of the tclogbook RPM is installed. Execute the following command to determine what version of the tclogbook RPM is installed:

  *rpm -qa | grep tclogbook*

  If the tclogbook RPM version is not 1.5.0, the previous version needs to be uninstalled.

  To uninstall the older version of the tclogbook RPM files, execute the following command:
  *rpm -e --nodeps tclogbook*

- CFBUG-3203 – floger
  Within the cyflex.7.0.13 version, the method for storing cyflex variable data was set to SINGLE PRECISION by default. It was determined there was a bug within floger output files where time parameters were getting truncated due to the SINGLE PRECISION default. This bug would affect logger files generated for transient emission runs when the star5 program performed calculations. If the logr_specs file was modified to add SINGLE_PRECISION, that change must be removed.

- **CSAR related:** Usage files have been updated for the following programs to contain csar information.

  | floger | svar | gvar |
  |---|---|---|
  | gval | gvals | dump_csar_lookup |

## 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 |
|:---|:---:|:---:|:---:|:---|
| libloggershared<br>floger<br>dlogger | Y | B | CFBUG-3203 | Fixed problem with DOUBLE PRECISION causing floger to fail due to memory allocation errors – NOTE: this change was only within cyflex.7.0.14 version and not needed within the cyflex.6.3.40 version |
| cmds/errs | | B | CFBUG-3202 | Added a check to ensure errs is not ran as root |
| cell.def/go.scp | | I | CFBUG-3201 | Removed non-printable characters from cell.def/go.scp |
| browse.dat<br>channel.dat<br>parameter.dat<br>units.dat | | I | CFBUG-3200 | New *.dat files from 10/31/23 |

## Release Notes for Previous cyflex.6.3 and 7.0 Versions

| CyFlex 6.3.39 and 7.0.13 | CyFlex 6.3.32 | CyFlex 6.3.24 |
|---|---|---|
| CyFlex 6.3.38 and 7.0.12 | CyFlex 6.3.29 | CyFlex 6.3.23 |
| CyFlex 6.3.37 and 7.0.11 | CyFlex 6.3.28 | CyFlex 6.3.21 |
| CyFlex 6.3.36 and 7.0.10 | CyFlex 6.3.27 | CyFlex 6.3.19 - Initial Release |
| CyFlex 6.3.34 and 7.0.9b | CyFlex 6.3.26 | |
| CyFlex 6.3.33 and 7.0.8b | CyFlex 6.3.25 | |