DataApex

SMART SOLUTION FOR LABORATORIES

Clarity™

advanced chromatography software

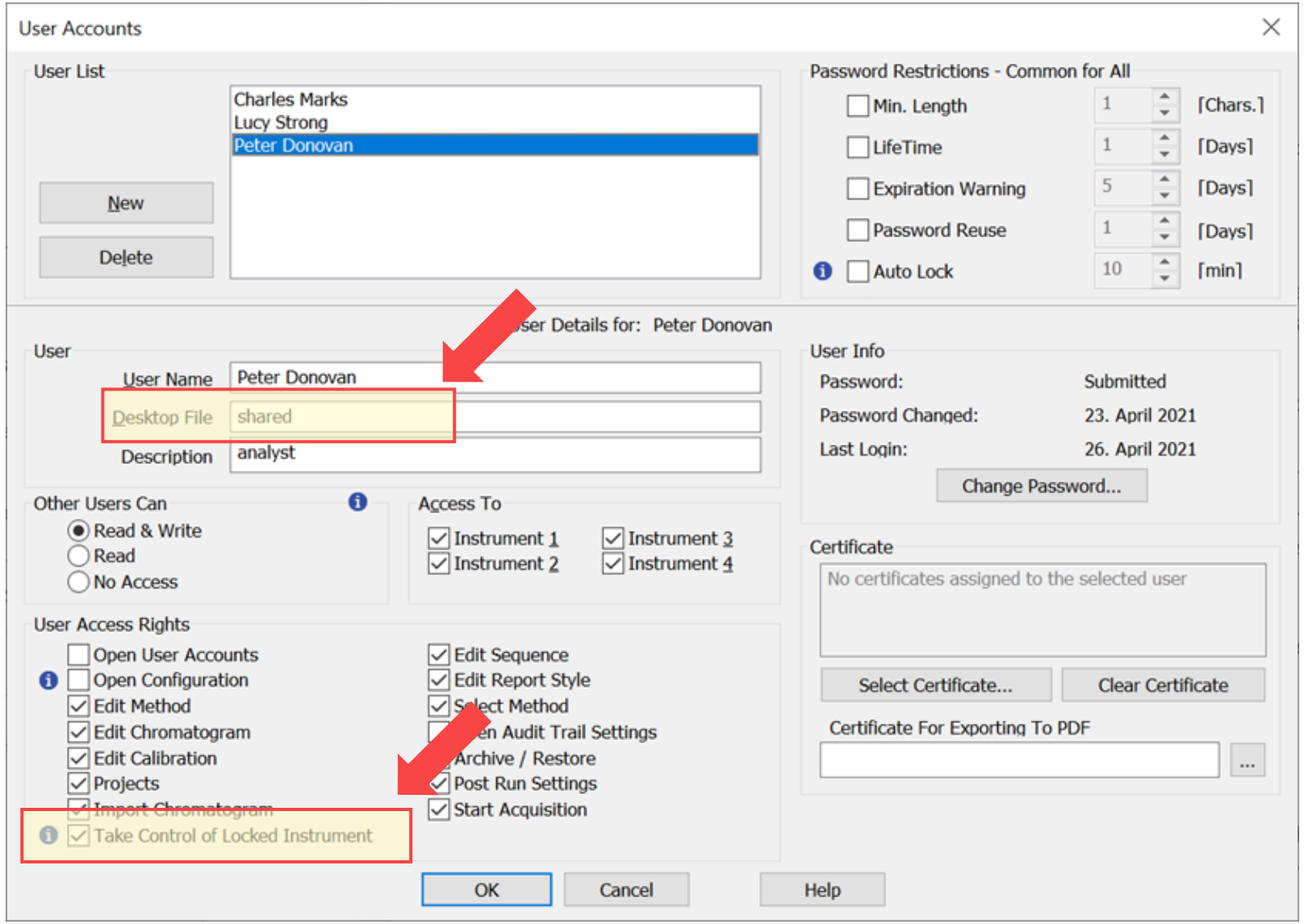
Clarity 8.6

WHAT'S NEW

P057/80A 06/2021

What is new in Clarity 8.6?

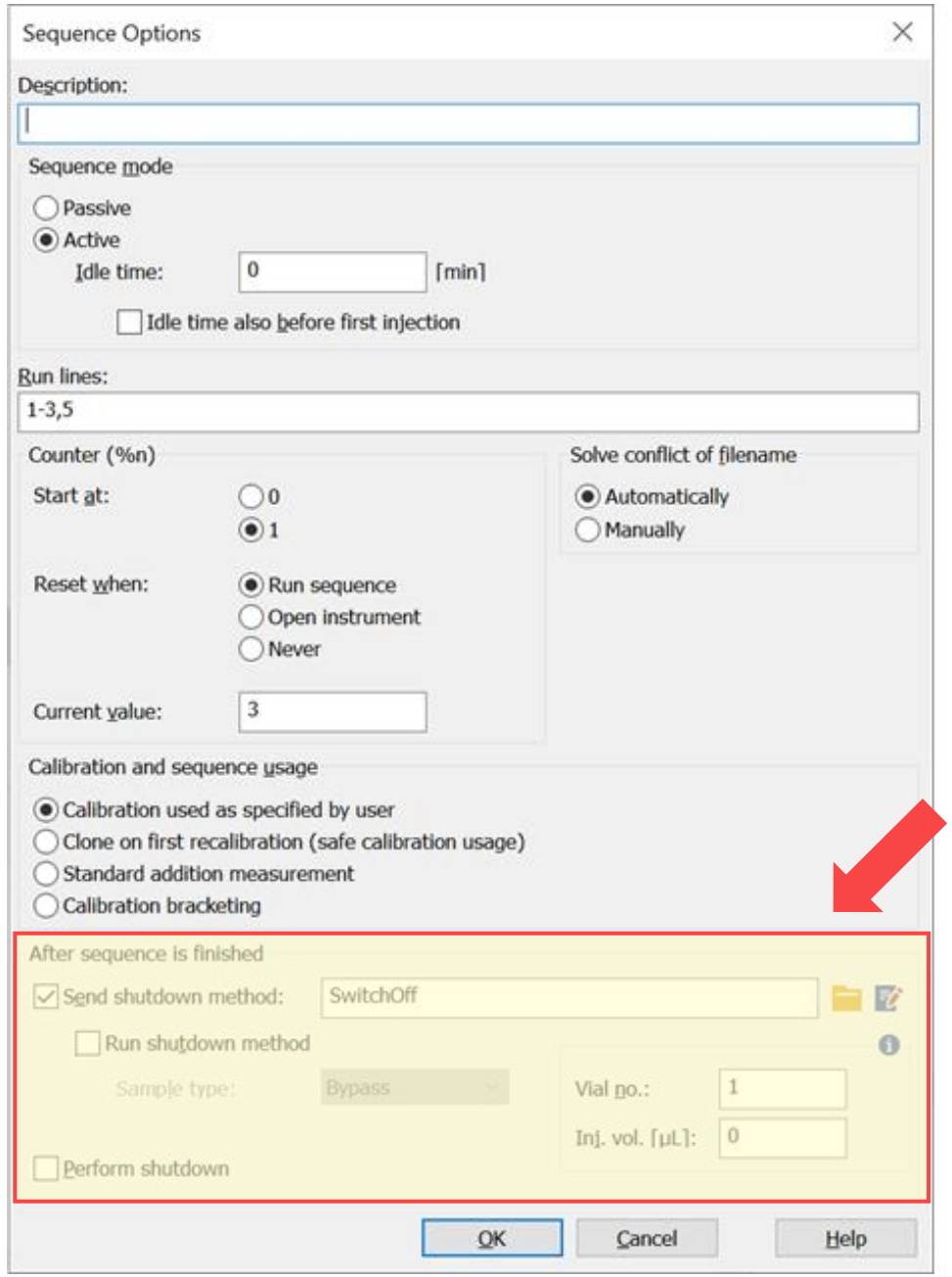
- **User Accounts** – a new user right to take control over locked Instrument
- **Shutdown options** – a new section to set routines being run after the sequence finishes
- **Report Setup** – Sample Parameters option are more granular
- **Report Setup** – a possibility to report vial and injection number
- **Miscellaneous** – a new system for programmer logging

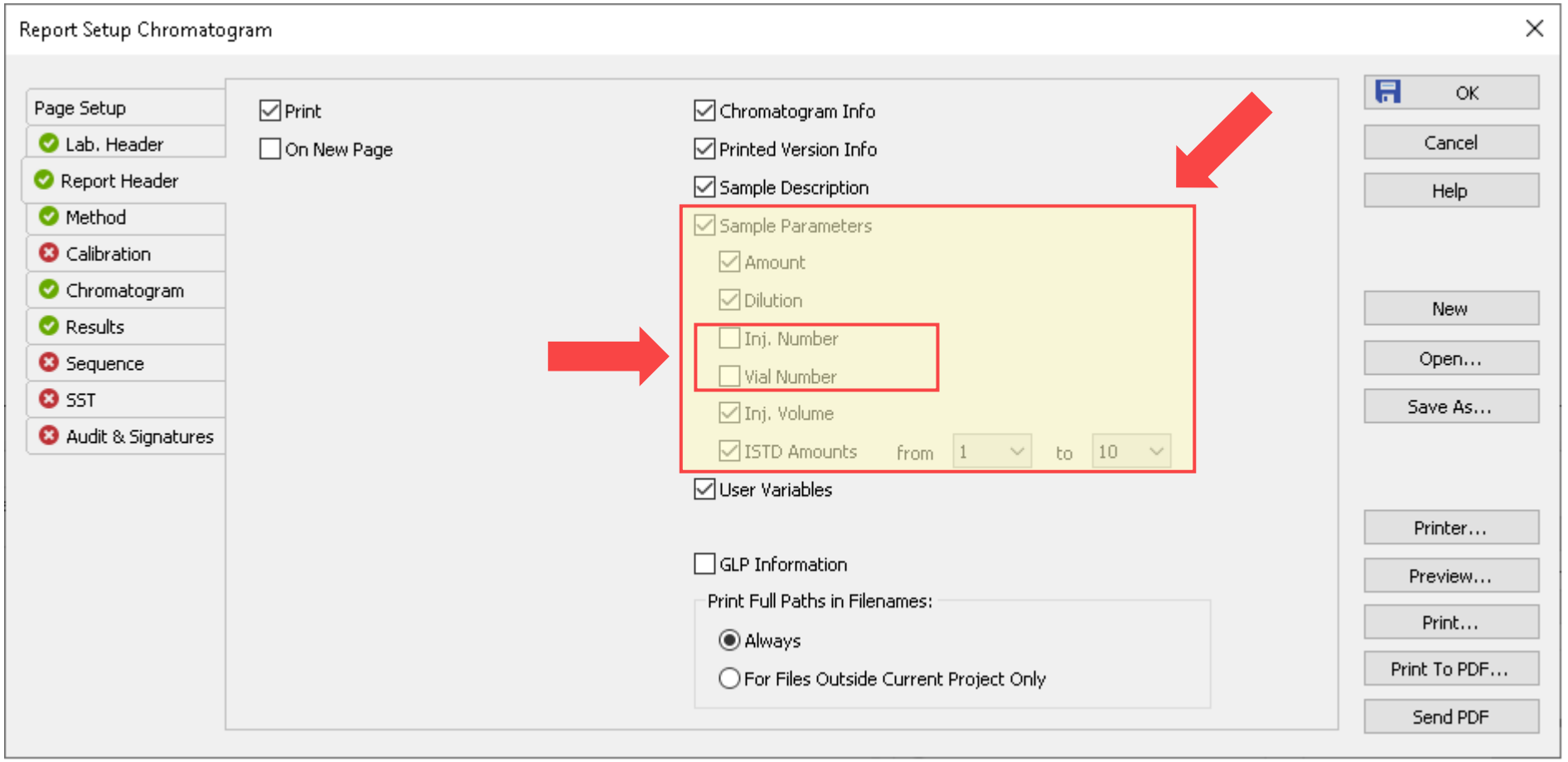


A new right in User Accounts dialog:

- Allows to unlock Clarity Instruments locked by different user
- Changing shifts without interrupting running sequence
- Unsaved changes are discarded
- Changes on locked Instrument are logged under original user
- Changes on unlocked Instrument are logged under new user
- Shared desktop recommended

- A new section to define actions after sequence finish:
  - Send shutdown method
  - Run shutdown method
  - Send shutdown event to all control modules
- Cannot be modified during run
- Use Abort command to avoid shutdown routine





- Sample Parameters section divided into sub options
- Parameters can be separately added or removed
- ISTD Amount values can be customized
- Newly Injection and Vial Number can be reported

- A new system of programmer logging
- More complete, helps in diagnosing problems
- Switched on by default

log-2021-06-11-11-02-48.log - Notepad

File Edit Format View Help

```
2021-06-11 11:02:48.442842      Main Thread (0x00001d7c)        info    Logging ****** OPEN [Log] Version=Clarity 8.6.0.35 Settings={"Core":{"DisableLogging"
2021-06-11 11:02:48.928318      Main Thread (0x00001d7c)        info    CommandLine     System Started control_demo_mode
2021-06-11 11:02:48.989298      Main Thread (0x00001d7c)        info    Performance     Scanning folders for DLLs with control module interfaces - start
2021-06-11 11:02:49.046278      Main Thread (0x00001d7c)        info    Performance     Scanning folders for DLLs with control module interfaces - end
2021-06-11 11:02:49.054276      Main Thread (0x00001d7c)        info    Packages        Loading C:\Clarity\Bin\CswYL3050A.dll, version 1.0.1.7. Loaded C:\Cla
2021-06-11 11:02:49.076268      Main Thread (0x00001d7c)        info    Packages        Loading C:\Clarity\Bin\CswDEMO.dll, version 8.6.0.35. Loaded C:\Clari
2021-06-11 11:02:49.249210      Main Thread (0x00001d7c)        info    Packages        Loading C:\Clarity\Bin\CswYL3050A.dll, version 1.0.1.7. Loaded C:\Cla
2021-06-11 11:02:49.250209      Main Thread (0x00001d7c)        info    Packages        Loading C:\Clarity\Bin\CswDEMO.dll, version 8.6.0.35. Loaded C:\Clari
2021-06-11 11:02:49.252209      Main Thread (0x00001d7c)        info    AuditTrail      INSTRUMENT=System; ANALYST=; TYPE=0; AREA=System - Start System, Vers
2021-06-11 11:02:49.253208      Main Thread (0x00001d7c)        info    AuditTrail      INSTRUMENT=System; ANALYST=; TYPE=13; AREA=System - Daily audit trail
2021-06-11 11:02:49.258207      Main Thread (0x00001d7c)        info    AuditTrail      INSTRUMENT=System; ANALYST=; TYPE=10; AREA=System - Command line para
2021-06-11 11:03:00.855950      Main Thread (0x00001d7c)        info    Telemetry       Object Name: class CMainFrame, COMMAND ID: 32772, CMainFrame::OnSyste
2021-06-11 11:03:00.857948      Main Thread (0x00001d7c)        info    AuditTrail      INSTRUMENT=System; ANALYST=; TYPE=19464; AREA=Configuration - System
2021-06-11 11:03:01.016894      Main Thread (0x00001d7c)        info    Telemetry       Object Name: class CSetupDlg, Control ID: 0, CN Code: TCM_TABSEL, Con
2021-06-11 11:03:01.189836      Run (0x000033e0)        info    Acquisit        Main Thread Watchdog: The Watched has not signalized for 500 ms! Average dela
2021-06-11 11:03:01.189836      Run (0x000033e0)        info    Acquisit        Main Thread Watchdog: The Watched has signalized after 500 ms!
2021-06-11 11:03:09.867467      Main Thread (0x00001d7c)        info    Telemetry       Object Name: class CSetupDlg, Control ID: 285, CN Code: BN_CLICKED, C
2021-06-11 11:03:09.867467      Main Thread (0x00001d7c)        info    Telemetry       Object Name: class CSetupDlg, COMMAND ID: 285, CSetupDlg::OnAbout
2021-06-11 11:03:14.372481      Main Thread (0x00001d7c)        info    Telemetry       Object Name: class CSetupDlg, Control ID: 275, CN Code: BN_CLICKED, C
2021-06-11 11:03:14.372481      Main Thread (0x00001d7c)        info    Telemetry       Object Name: class CSetupDlg, COMMAND ID: 275, CSetupDlg::OnAddCtr
2021-06-11 11:03:14.376854      Main Thread (0x00001d7c)        info    Performance     Creating Available control modules dialog - start
2021-06-11 11:03:14.377839      Main Thread (0x00001d7c)        info    Performance     Remove partially installed dlls - start
2021-06-11 11:03:14.379853      Main Thread (0x00001d7c)        info    Performance     Remove partially installed dlls - end
2021-06-11 11:03:14.425823      Main Thread (0x00001d7c)        info    Performance     Fills up list of CCfgMultiSubDevicesEx - start
2021-06-11 11:03:14.794698      Run (0x000033e0)        info    Acquisit        Main Thread Watchdog: The Watched has not signalized for 500 ms! Average dela
2021-06-11 11:03:15.275554      Main Thread (0x00001d7c)        info    Performance     Fills up list of CCfgMultiSubDevicesEx - end
2021-06-11 11:03:15.302544      Run (0x000033e0)        info    Acquisit        Main Thread Watchdog: The Watched has not signalized for 1016 ms! Average del
2021-06-11 11:03:15.319539      Main Thread (0x00001d7c)        info    Performance     Creating Available control modules dialog - end
2021-06-11 11:03:15.559177      Run (0x000033e0)        info    Acquisit        Main Thread Watchdog: The Watched has signalized after 1266 ms!
2021-06-11 11:03:29.326198      Main Thread (0x00001d7c)        info    Telemetry       Object Name: class CAddCtrlDlg, Control ID: 2, CN Code: BN_CLICKED, C
2021-06-11 11:03:30.758261      Main Thread (0x00001d7c)        info    Telemetry       Object Name: class CSetupDlg, Control ID: 2, CN Code: BN_CLICKED, Con
2021-06-11 11:03:30.760473      Main Thread (0x00001d7c)        info    Packages        Loading C:\Clarity\Bin\CswYL3050A.dll, version 1.0.1.7. Loaded C:\Cla
2021-06-11 11:03:30.760473      Main Thread (0x00001d7c)        info    Packages        Loading C:\Clarity\Bin\CswDEMO.dll, version 8.6.0.35. Loaded C:\Clari
2021-06-11 11:03:30.788818      Main Thread (0x00001d7c)        info    AuditTrail      INSTRUMENT=System; ANALYST=; TYPE=19465; AREA=Configuration - System
2021-06-11 11:03:32.713924      Main Thread (0x00001d7c)        info    Telemetry       Object Name: class CMainFrame, COMMAND ID: 16, CCswMainFrame::OnClose
2021-06-11 11:03:32.965095      Main Thread (0x00001d7c)        info    AuditTrail      INSTRUMENT=System; ANALYST=; TYPE=1; AREA=System - End System
2021-06-11 11:03:32.978691      Main Thread (0x00001d7c)        info    CommandLine     System Halted 0: OK.
2021-06-11 11:03:32.978691      Main Thread (0x00001d7c)        info    Logging ****** CLOSE [Log] ******
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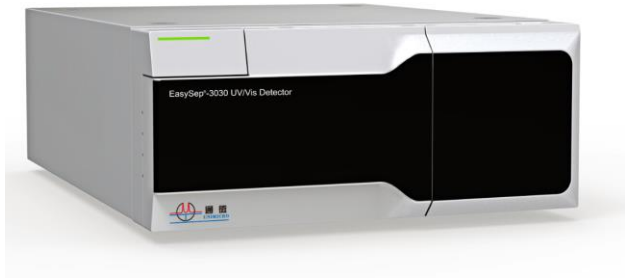
Ln 15, Col 26 | 100% | Windows (CRLF) | UTF-8

New control modules

- Unimicro EasySep-3030 Pump
- Unimicro EasySep-3030 Thermostat
- Unimicro EasySep-3030 UV Detector
- Unimicro EasySep-3030 UV/VIS Detector
- Young In Chromass YL3050A Autosampler



... and many control modules have been updated and improved

DataApex

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…THANK YOU FOR YOUR TIME

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