

Product concerned: All ARL instruments operated with OXSAS

 Subject: **OXSAS version Update 1.7.1.1729d**

Date: July 2013

OXSAS Update 1.7.1.1729d.docx

## Introduction

This document lists the main modifications/improvements and known issues contained in the OXSAS update version indicated in title:

## Main modifications / new features

### New features and/or modifications



Some new functions are not yet documented in OXSAS contextual help.

- **iSpark series:**
  - **Synoptic panel** (ARL iSparkSynoptics); see picture on first page.
  - **Validation Tool** application (formerly IQ/OQ tool) adapted to the new serie.
  - **Maintenance Management** tool based on number of runs.
  - **Eco Mode / Smart Ar Management (SAM)** allows huge Ar consumption savings.
  - **Alarm #61039** now correctly managed.
- **Reporting:** channels in Excessive Drift are now flagged in Drift report.
- **Method Editor:**
  - **Number of Components** are now indicated in "Components" tab.
  - Can now **set a chemical element to a custom line** (to ungrey buttons in Periodic Table tab)
- **Transmission Format:**
  - Can now be **exported and imported** via a script (Export-Import xxx Formats.bas)..
  - Editor **supports** now **"TAB"** as a **separator**.
- **Data transfer:**
  - New screen grouping together import-export actions of Grades, SCT and Calibration Samples  
(**Operation Setup | SCT Samples Grades Transfer**).
  - New "horizontal" **structure** and new **columns** for **Grade** export.
    - ⚠ Grades files exported before OXSAS 1.7.1 **cannot be imported**.
    - After OXSAS update, export all Grades if needed (maintained in Excel or other)

### Corrected wrong behaviour and improvements

- **Analysis Manager:**
  - **Flags** of runs (selected or not) **correctly reported** in Average.
  - **Average modes** (Reproducibility check) correctly handled.
  - **Correction type AC+MC** now calculated correctly (no difference with MVR calculation)

- **Batch Manager:** no more OXSAS crashes in case of corrupted batch.
- **View Results:**
  - Average values correctly displayed in the selected “**Elements to Display**” columns.
  - **XRD quantification** correctly displayed and exported.
- **SUS editor:** can again **add** channels to SUS
- **Routine analysis:** Grades having a trailing space now correctly displayed.
- **Investigate Spectra:** no more freeze upon Line + BG export to Methods
- **XY handler:** all tray sizes now correctly calculated (graphical tray handler matches selection)

## Known issues contained in this update version

Affected Module	Problem description	Possible Get-Around
Results Post Processing.	Cannot remove destination in “Real-Time Run Transmission”.	<b>Press and hold</b> CTRL key while clicking on the selected destination.
<ul style="list-style-type: none"> <li>• Phases for XRD.</li> <li>• LOI elimination.</li> <li>• ARCHIVE splitting</li> <li>• Automation dongle.</li> </ul>	No Help topic available yet.	None. The file will be distributed when available
Alphas factors.	Apparently, Alphas (corrections) factors are different if seen in: <ul style="list-style-type: none"> <li>• MVR (Alphas calculation).</li> <li>• Printed MVR reports.</li> <li>• Method editor (<i>Periodic Table</i> tab, <i>Matrix Corrections</i> button).</li> </ul>	The 3 values are <b>identical in all places</b> but displayed with different scales. <ul style="list-style-type: none"> <li>• Alphas displayed with all internal precision upon click in the cells in MVR documents.</li> <li>• The display precision in MVR documents can be set by editing the “Grid” preference.</li> </ul>
Analytical Assistant XRF.	Selection algorithm does not apply saturation constraint priority.	Perform a scan <b>with</b> or <b>without</b> intensity filter on the desired element.
Method Editor.	Cannot use “Display Name” in Pseudos elements formulae.	<b>Must use channel names instead.</b> Note the line choices are managed during calculation.