

Version history of JETI VersaSpec (Last updated on December 13, 2023)

V5.9.116

[NEW]

- specbos 2501 integrated
- GG495 calculation added
- TEC panel adapted to new firmware SDCM4 V0.21.0 (only switches off the control here, not the whole module)
- New switch in the parameter utility (PERIPHERAL tab) for deactivating/activating the TEC-S
- New parameter in the parameter utility (CORRECTION tab) for setting a temperature offset.
- Statistics now also possible with the 1st derivative of the reference values
- Ctrl+Shift+R starts reference statistics
- Savitzky-Golay parameters of SDCM4 added
- Switching on/off the stray light correction + Error handling when establishing a connection of devices with stray light correction added
- in "Peak Width" mode, selection of centroid wavelength added
- Cutting off negative values if the corresponding parameter is set and no stray light correction is active.
- Selection for line thickness added
- Logarithmic spectrum display added
- Shutter Closing Test added
- Abort with ESC and Screenshot function for shutter test added
- Switch for "*CONF:UARTEN" added to ParameterUtility widget
- Ctrl+I for displaying FileInfo

[CHANGED]

- company address changed
- Del key does not reset dark spectrum
- The time display in the Parameter Utility window is marked red if there is a deviation of > 24 hours from the system time of the PC and yellow if there is a deviation of > 1 hour.
- If the parameter password is entered incorrectly, the password is reset if the parameter could not be saved. Previously, a restart of Versaspec was necessary for the correction.
- Changing the fit coefficients in the parameter utility window takes effect immediately after entry.
- *calib:calclambda button removed, recalculation always takes place after ParaSave as soon as at least one fit coefficient has been changed
- Before disconnecting, the temporarily changed parameters are reset
- smallest possible maximum value of the absorbance graph changed from 0.1 to 0.001
- Menu item Settings / Default file names: "Default file names" pattern extended by "[FWVERSION] - firmware version"
- The incremental value for the Inc/Dec arrows is no longer fixed at 10, but is adjusted depending on the entered integration time.
- After changing the integration time, a new dark measurement is necessary.
- The Bluetooth configuration is only re-enabled after changing the serial number or the baud rate, so that no new pairing of the device is necessary when changing other parameters.
- Menu item "Display / clear spectra" modes changed:
 - previous "never" mode now corresponds to "only after changes"

- In the new "never" mode, graphs are really never deleted (except after pressing the "Del" key or switching between pixel and wavelength)
- After changing the integration time during a continuous dark measurement, it is no longer interrupted.
- *SLEEP command for Horiba devices removed
- After changing the serial number, the title bar is now updated without reconnecting
- FFT button and menu item MATH removed

[BUGFIX]

- trigger with SDCM4/PE60_2 was not working -> fixed by using DLL V4.5.18
- When calculating PeakWaveJY and CentroidWavePeak in Peak Width mode, the currently selected spectrum range was not taken into account -> fixed
- When calculating CentroidWaveValley and CentroidWavePeak in the main window, Min- and MaxWaveLen were overwritten with the spectrum range currently selected for display -> fixed
- Reference spectrum was overwritten with currently measured spectrum during stray light correction -> fixed
- prevented out-of-bounds errors in some array accesses
- In the Hall sensor timer callback, trigger and timer are switched off during processing.
- after closing the Lambda field window, the ParameterUtility window now remains open
- Flickering in the Date/Time and Accessory fields fixed
- Trigger setting is no longer automatically set to 2 and can now be changed in the parameter utility window
- Missing *calib:calclambda call after restore, after loading parameters from a file and after setting *CONF parameters, where the set parameters are saved on the device. -> fixed
- The marker for changes was not removed after setting *CONF parameters, which save the set parameters on the unit. -> fixed
- In SetParameter, the panel was not checked when fit parameters or triggers were changed.
- Memory access error with firmware command if answer is larger than 100 characters -> fixed
- Prevent program crashes during parallel device access by locking
- Added check on system directory (e.g. "C:\" or "C:\Programmes") when saving files, as files are otherwise moved to the VirtualStore by the UAC virtualisation if VersaSpec was started without administrator rights.
- The change of the sensor or the number of pixels was only taken over in Versaspec after reconnecting the device. If the number of pixels was reduced, this led to a program crash during measurement without a new connection. -> fixed
- possible division by 0 when determining the offset correction prevented
- When interrupting the continuous measurement (e.g. by changing the integration time), the buttons for transmission and absorption remained enabled, if the current measurement was not yet finished at the time of interruption -> fixed
- if the lambda array calculated with the fit polynomial had descending values at the beginning, the wavelength assignment was shifted by this range -> fixed
- Saving of CSV files only worked after at least one measurement was performed -> fixed
- Error message, log entry and abort of a continuous measurement if an error has occurred when creating or saving the CSV file (up to now, the already saved CSV file content was completely deleted in the event of an error and the measurement continued without an error message).
- Program crash during spline interpolation if the difference between minimum and maximum wavelength of the lambda field stored on the device was greater than the lambda field calculated from the fit values -> fixed.
- Log file is no longer overwritten when a device is reconnected

- Daylight saving time was not taken into account when comparing the device time and the system time.
- Sensor name in the sensor list was only displayed up to the first blank character
- For "Bragg Peak Detection", the minimum value for screen range was increased to 3, as smaller values are invalid.
- If an error occurred while reading the device parameters and another device was connected afterwards, the DeviceSearch window additionally displayed the faulty device in the list -> fixed
- Program crash when switching from Peak to JY or Centroid-WL in Symmetry and Valley mode -> fixed.

V5.9.72

[NEW]

- Parameter Row Range for SDCM4 (for e.g. S10420) implemented

V5.9.71

[NEW]

- Password for password protected parameters is asked only once.

V5.9.70

[NEW]

- Some frames and help notices in the PU->Correction

V5.9.69

[NEW]

- DLLs 4.5.17

[BUGFIX]

- PU - "Read" caused firmware reset also for SCDM4-devices what led to connection interrupt. -> fixed

V5.9.68

[BUGFIX]

- Temperature display in the main panel has been handled wrongly. -> fixed

V5.9.67

[BUGFIX]

- Temperature measurement could give illegal values. -> fixed

V5.9.66

[CHANGED]

- Temperature measurement - result is now defined as static, so it is changed only if the measuring function was successful.

V5.9.65

[NEW]

- Bragg peak detection window (under menu->special).

[CHANGED]

- Bragg - start and end indexes of peaks are noticed after the 1st measurement and are not changed till the end of the measuring series. Otherwise shift values "jump" because of changing borders for centroid calculation.

V5.9.64

[NEW]

- Bragg peak detection (under menu->special)

V5.9.63

[NEW]

- "Backup" and "Restore" buttons in PU: in password asking dialogs is designated, what it is for; after an ACK is received, a clear success message is fired.

V5.9.62

[BUGFIX]

- Switch pixels/wavelengths has not work -> fixed

V5.9.61

[CHANGED]

- TEC window is no longer modal.

V5.9.60

[NEW]

- *PARA:TEC:ISSET

V5.9.59

[NEW]

- Quit-button and connect/disconnect-switch are marked blue also if any parameter has been changed

V5.9.58

[NEW]

- Menu -> Special -> TEC

V5.9.57

[NEW][CHANGED][BUGFIX]

- DLLs 4.5.14. Get- and SetOffsetCorrRange commands appeared, which let to get the range of the offset correction for device type ≥ 3 . JETI_GetCorrectionRange got the same meaning for all device types: now it is the range for UV-correction (previously it had the meaning of offset correction range for device type ≥ 3).

So now, UV-correction is supported (and done by VersaSpec using firmware parameters) for all device types.

[CHANGED]

- Designation of device type 4 is changed from "PE60" to "PE60/SDCM4".

V5.9.56

[NEW]

- UV-Tool - slide bar for the spectrum chart. Behaviour is completely revised.

V5.9.55

[NEW]

- Parameter protocol as PDF - pixel binning value.

V5.9.54

[NEW]

- UV-tool - "Save screenshot" copied from FitTool. Now the feature with generating of file names from two grating numbers is available.

V5.9.53

[NEW]

- UV-tool - measurements with manual calculation of averaged spectra (because of integer output of counts by DLL-functions - even with averages - and problems that they cause).

V5.9.52

[NEW]

- UV-tool - offset subtracting with 1 click; level lines 0.000002 and 0.000004; some behaviour changes.

V5.9.51

[BUGFIX]

- Device with 0xFF as a number of fault pixels caused total overflow. :) -> fixed

V5.9.50

[NEW]

- UV-Tool - Screenshot

V5.9.49

[NEW]

- UV-Tool

V5.9.48

[BUGFIX]

- Parameter Utility: Loading from disk of text-based parameters: behaviour of *PARAM:TRIG was wrong -> fixed

V5.9.47

[NEW]

- Works also with weird fit polynomials with "tails". InterpolSpectra function revised.

[CHANGED]

- *PARAM:ROWCOUNT is now editable.

V5.9.46

[NEW]

- Shortcut Ctrl+Shift+'D' starts statistics for dark measurements.

V5.9.45

[NEW]

- Shortcut 'S' for shutter.

V5.9.44

[NEW]

- Parameter Utility - graph of fit polynomial.

[BUGFIX]

- Differences in *PARA:TRIG value if connected via BlueTooth - fixed (*PARA:DEFAULT used before reading of parameters).

V5.9.43

[BUGFIX]

- Loading a text parameter file for a spekbos device caused reset of all parameters to their saved values -> fixed (the reason was that reading of parameter block causes reset of all parameters)
- Error message after writing to device (internally, timeout after calling of *para:save) -> fixed

V5.9.42

[NEW]

- Old format of lambda field is now supported

V5.9.41

[NEW]

- Chart for differences between lambda field and values given by the fit polynomial.

V5.9.40

[BUGFIX]

- *para:pdarow has not been re-read after changing of sensor. -> fixed

V5.9.39

Change: rename *para:pdarow -> *para:rowcount

V5.9.38

[NEW]

- *para:pdarow

V5.9.37

[BUGFIX]

- JETI_GetAverConf could cause crash with some old firmware versions, which gave a 1-line-output. -> fixed (through DLLs 4.5.9)

V5.9.36

[BUGFIX]

- Reading of the old-format lambda-field had some errors -> workarounded

V5.9.35

[BUGFIX]

- In dark design DARK-measurement could not be seen (because it was black) -> fixed (now it is yellow)

V5.9.34

[NEW]

- Dark design (click on logo)

V5.9.33

[CHANGED]

- DLLs 4.5.7, which allow float tint for specbos 1211 (with corresponding firmware)

V5.9.32

[CHANGED]

- DLLs 4.5.4
- For devicetype>=4 delay time for reset = 1 s (for such parameters as *CONF:PIEZOEN). (instead of 4)

V5.9.31

[NEW]

- *HELP:SENSORLIST? - if this command is supported, the list with sensors is filled in from its output.

V5.9.30

[BUGFIX]

- Reinitialize BlueTooth after every *para:save for SDCx3 for the case if the device serial number has been changed.

V5.9.29

[BUGFIX]

- Start via BlueTooth with old-format lambda field caused crash -> fixed

V5.9.28

[NEW]

- Device type 4 (PE60)

[CHANGED]

- DLL 4.5.3

V5.9.27

[NEW]

- If the device has a lambda-field, it is read-out and used.

- Parameter Utility -> Meas: "Display lambda field" and "*calib:calclambda" buttons.

V5.9.26

[NEW]

- *PARA:CORRCOEFF works also for spectraval & SDCx3

V5.9.25

[BUGFIX]

- "Write" in Parameter Utility caused crash if baudrate has been changed. -> fixed (reconnect after every "Write")

V5.9.24

[NEW]

- Menu->Special->Shutter Test. Spectrum graph.
- Menu->Special->Shutter Test. Averaging over some pixels for min&max calculations.

[CHANGED]

- Menu->Special->Shutter Test. Dark (at 1st repetition), and then only light measurements. Calculations of reference - manual.

V5.9.23

[NEW]

- Menu->Special->Shutter Test. Graph is drawing during the measurement.
- Menu->Special->Shutter Test. If clicked into graph, actual values are shown.

[BUGFIX]

- Menu->Special->Shutter Test. If shutter test started, continuous mode hasn't been disabled. -> fixed

V5.9.22

[NEW]

- Menu->Special->Shutter Test. For every ScanDelay=[0...ScanDelayMax] makes [repetitions] of measurements. On the 1st repetition, searches for the maximum within the range [StartPx...EndPx]. Then displays the "maximum maximum" and "minimum maximum".

V5.9.21

[NEW]

- Accessory status for spectraval
- Setting of accessory number for spectraval - "Other"-tab in parameter utility, "*calib:acc:num"-buttons.

V5.9.20

[NEW]

- Switch Wavelengths <-> Pixels in the front panel.
- DEVNUM for spectraval in PDF-protocol

V5.9.19

[NEW]

- Parameter protocol as PDF

V5.9.18

[NEW]

- "l", "L", CTRL+"L" for switching the laser on/off from the main window.

V5.9.17

[BUGFIX]

- tint and aver are restored (PU->*para...) before *para:save.

V5.9.16

[BUGFIX]

- Frames and labels connected to certain parameters get visible/invisible together with parameters itselfes.

V5.9.15

[BUGFIX]

- False version numbers in the links

V5.9.14

[BUGFIX]

- *PARA:TRIG was changed for internal VersaSpec's needs BEFORE all parameters have been read. This lead to incorrect trigger-value in Parameter Utility. -> fixed

V5.9.13

[CHANGED]

- DLLs 4.4.2 - Switch on the laser (spectraval).

V5.9.12

[NEW]

- *CONF:BATTEN

V5.9.11

[NEW]

- Changing of parameters can cause some other parameters to be re-read (piRereadByChange

structure element).

V5.9.10

[BUGFIX]

- In-Out values for GPIO-block

V5.9.9

[NEW]

- Parameter Utility -> GPIO-block; CONF:ETHEN

V5.9.8

[NEW]

- Parameter Utility -> Correction - *PARA:STDFAC

V5.9.7

[NEW]

- Parameter Utility: *CONF:PIEZOEN

V5.9.6

[CHANGED]

- Switch peak<->COG is now peak<->JY. Calculation is made like JobinYvon in FitTool - average of left&right values at threshold of 30%.

V5.9.5

[NEW]

- "*ft800:calib"-button
- Switch peak<->COG in peak width mode

V5.9.4

[NEW]

- some more sensors in SPECSENS.ini
- PARA:CUTOFFE

V5.9.3

[NEW]

- 2 sensors in SPECSEnS.ini: S11639-OS4 (169) and S11639PB2-OS4 (170)

V5.9.2

[CHANGED]

- Binary - conversion to big endian for coefficients is done again.
- PU: *PARA:SERN for SDCx3 is password protected.

V5.9.1

[CHANGED]

- Binary - no conversion to big endian for coefficients.

V5.9.0

[NEW]

- Binary - Adjust the temperature of the detector, Reading the spectrometer information.

V5.8.0

[RELEASE]

On the basis of VersaSpec v5.7.16

V5.7.16

[NEW]

- nothing

V5.7.15

[NEW]

- Temperature measurement before start of every spectral measurement. Also output in Excel.

V5.7.14

[NEW]

- Binary communication: waiting for 10-byte response also for "normal" (others than "collect") commands. Display of TEC-temperature.

[CHANGED]

- LoggingOn default = 0

V5.7.13

[NEW]

- Binary communication (Menu -> Special -> Binary Communication)

V5.7.12

[BUGFIX]

- Instead of calling of *PARA:FAULTPI? for specbos the values are got from the parameter block.
Reason: <CR>-character in the beginning of the firmware answer lead to problems with JETI_ArbitraryCommand.

V5.7.11

[NEW]

- Menu->Settings->Continuous Scan. Choice between scan interval and period.

V5.7.10

[CHANGED]

- DLLs 4.0.16 (instead of .13)

V5.7.9

[BUGFIX]

- No offset & UV-correction for 2nd reference measurement was made (for transmission and absorption). -> fixed

V5.7.8

[BUGFIX]

- Reading of basic parameters after enlarging of pixel number has led to crash. -> fixed

V5.7.7

[BUGFIX]

- Statistic for CCDs with large number of pixels - double number of rows in the table -> fixed

V5.7.6

[BUGFIX]

- Statistic for CCDs with large number of pixels caused crash -> fixed.

V5.7.5

[BUGFIX]

- Default fit coefficients adapted for different number of pixels.

V5.7.4

[NEW]

- File->Logging. Logging can be generally switched on/off (default=on).

V5.7.3

[TEST CHANGE to examine influence of logging on precision of continuous scan periods]

- Logging - removed.

[BUGFIX]

- (transferred from 5.6.3) Alien LAN-devices could be found -> fixed through DLLs 4.0.13.

V5.7.2

[BUGFIX]

- (transferred from v5.6.2): CVI-bug with updating of displays of input fields in inactive tab on invisible panels :) is workarounded with callback on tab control.

V5.7.1

[NEW]

- iLogFlushFlag for switching fflush in logging routines off. Now VersaSpec starts x3 more quickly.

V5.7.0

[NEW]

- ATTR_MIN_VALUE for tint = MinTint (transferred from 5.6.1)
- Averages in "integration time" line in Excel (in the form like "100,05 x 3")
- New Worksheet in Excel if reached the end. Only saving with "with Excel".

[BUGFIX]

- LAN-devices didn't work -> fixed through DLLs 4.0.12 (transferred from 5.6.1)

V5.6.3

[BUGFIX]

- Alien LAN-devices could be found -> fixed through DLLs 4.0.13.

V5.6.2

[BUGFIX]

- CVI-bug with updating of displays of input fields in inactive tab on invisible panels :) is workarounded with callback on tab control. (tranferred from 6.7.2)

V5.6.1

[NEW]

- ATTR_MIN_VALUE for tint = MinTint

[BUGFIX]

- LAN-devices didn't work -> fixed through DLLs 4.0.12

V5.6.0

[RELEASE]

On the basis of VersaSpec V5.5.3

V5.5.3

[CHANGED]

- DLLs 4.0.11
- FileSelectPopup instead of FileSelectPopupEx (because of thread errors with Gudrun's computer). See v5.5.1.

V5.5.2

[CHANGED]

- DLLs 4.0.7

V5.5.1

[NEW]

- logging of FileSelectPopupEx for saving of parameters. Reason - some bug by Gudrun.

V5.5.0

[NEW]

- Device number as filename suggestion for saving of parameters.
- Logging of string arguments (e.g. for JETI_ArbitraryCommand).

[BUGFIX]

- *PARA:DEVNUM with specbos1201. From an unknown reason, specbos1201 responds on ""*para:devnum? with a help on *PARA. -> fixed (DEVNUM blocked for device types < 3).
- Limits in PU - LaserLimit und LaserIntensity (LASERINT und LASERLIM) 1-100; PWM duty (LDLIMIT und LDCURR): 0..100; *PARA:DISTA - 0..65535, data type - unsigned short int..
- (transferred from release V5.4.2): Adaption for old (<SDCx3) devices didn't work (tint always = 1) because of DLLs. -> fixed by Martin in DLLs.
- (transferred from release V5.4.2): *CONF:AVER caused crash with e.g. Versa PS2000, because of 1-line output.
- (transferred from release V5.4.1): Incorrect offset correction for spectraval with pixel binning. -> fixed

V5.4.2

[NEW]

- DLLs 4.0.4

[BUGFIX]

- Adaption with specbos didn't work because of DLLs. -> fixed
- *CONF:AVER didn't work with other devices than specbos1211 because of DLLs. -> fixed

V5.4.1

[BUGFIX]

- Incorrect offset correction for spectraval with pixel binning. -> fixed

V5.4.0

[RELEASE]

On the basis of VersaSpec V5.3.4

V5.3.4

[NEW]

- para:devnum for spectraval
- para:encturn for PS2000

[CHANGED]

- Temp-display now with DLL: works correctly also for PS2000
- Logo is now without frame

[BUGFIX]

- By the grace of God, the trigger works also with BlueTooth now (some mystical changes in DLLs(v4.0.3)/firmware(v0.87)).

V5.3.3

[NEW]

- trigger (right-click on any measuring button).
- Parameter Utility -> Temperature-display

V5.3.2

[NEW]

- Parameter Utility - CONF:AVER
- Print Protocol: user name <- system user; Pixels, Sensor name <- list in the PU

[CHANGED]

- New DLLs (4.0.2). Corresponding changes (such as JETI_GetCycTime -> JETI_GetFlickerFreq).
- Logging of JETI_CheckAdaptionStatEx and JETI_CheckAdaptionStat - removed

[BUGFIX]

- No more firmware reset for SDCx3+BlueTooth (in this combination firmware reset leads to problems).

V5.3.1

[NEW]

- Logging of (almost) all DLL-commands.

V5.3.0

[NEW]

- *para:laserint, *para:laserlim, *para:wran.

[CHANGED]

- SetParameter routine revised to allow more than 2 arguments (like *para:wran).

[BUGFIX]

- Laser/shutter switching routine: click on the button just inverted the state (there was no actual correspondence 1-on 0-off). Fixed.

V5.2.0

[RELEASE]

Release of 5.2.0 version.

V5.1.26

[NEW]

- Binary representation for 32 fields in parameter block.

[BUGFIX]

- Hex/binary representation for the field in bytes 140-143 (it was float; defined so also by Reiner)

V5.1.25

[NEW]

- Upscaling of panels for LARGER displays

V5.1.24

[CHANGED]

- Arial-Font for Menu and Tabs-labels.

V5.1.23

[CHANGED]

- Compiled with 2015 Engine.

V5.1.22

[NEW]

- Battery status indicator in PU

[BUGFIX]

- PU - "Sleep" - SuspendTimerCallbacks/ResumeTimerCallbacks (because we cannot ask the device anything while it sleeps)

V5.1.21

[NEW]

- Button for setting of spectraval's Date&Time = that of system

[CHANGED]

- Precision of "Estimated Time"=1

[BUGFIX]

- tint>split: waiting time
- Print protocol - default device number was always=0. -> fixed

V5.1.20

[NEW]

- *PARA:ANCFACtor, *PARA:SPIMASter, *PARA:SPIBRate, *PARA:SYNCMODE, *PARA:SYNCFREQ
- *DATE? , *TIME? for spectraval
- BACKUP and RESTORE buttons in parameter utility

[CHANGED]

- Serial2 is removed from About-panel

[BUGFIX]

- Treating of baudrate=0 in offline mode in estimated time formula
- Device choosing list has been doubled every time if reconnecting (there was no ClearListCtrl)

V5.1.19

[NEW]

- Searching and device choosing routine = that of LiVal. Command line arguments - OFFLINE, SEARCH, COM #, BT address, FTDI address, TCPIP address.

[BUGFIX]

- Display never, Axis - px->WL and back - graph is cleared before it is redrawn.
- SDCM3 - "Could not receive from device"

V5.1.18

[BUGFIX]

- Display-never - switching from one measurement to another.

V5.1.17

[BUGFIX]

- Searching for BlueTooth didn't work. (Reason: stParam.iBaudrate == 0, this is used for calculating of the timeout for the waiting time; stays in denominator thus cannot be == 0). -> fixed

V5.1.16

[BUGFIX]

- Offset correction for SDCx3 didn't work. -> fixed

V5.1.15

[BUGFIX & NEW]

- UV and offset corrections for all device types.
- (incomplete): internally important parameters are read out again after closing of PU or saving/reading of parameters.

V5.1.14

[BUGFIX]

- Minimal value of MaxTint-parameter = 1 (it was = 1000).
- Bug with the size of the combined dark+ref button after reconnect. -> fixed

V5.1.13

[NEW]

- Dark+Ref binding feature.
- Adaption of intergating time.

V5.1.12

[BUGFIX]

- Parameter Utility window could be larger than the computer screen of a little netbook. Function `main_adjust_panel_to_screen` in `main.c` is made to adjust the panel size after the panel is loaded.

V5.1.11

[CHANGED]

- Continuous scan period

instead of

$$dScanPeriodUIR = iAverage * (fTint + 10) + stParam.iPixel*2*10 / stParam.iBaudrate + stParam.iScanDelay + 150;$$

now is as follows:

$$dScanPeriodUIR = iAverage * 1.05 * fTint + stParam.iPixel*2*10 / stParam.iBaudrate + stParam.iScanDelay + 150;$$

V5.1.10

[NEW]

- Demo-version handling; variable isDemoVersion in Main(). 2nd "build". New icon with "Demo".

[CHANGED]

- Hall sensor timer period = 0.1 s.

[BUGFIX]

- ESTIMATED TIME was running more quickly as the reality. The waiting cycle is completely revised.

V5.1.9

[CHANGED]

- Updated list of sensors SPECSENs.ini

V5.1.8

[NEW]

- Notice the path for parameter-files in INI.

[BUGFIX]

- display:never, continuous - issues after switching to another measurement mode without interrupting of cont. meas. -> fixed

V5.1.7

[NEW]

- COM-port as command-line argument to make BlueTooth SDCM3 devices work.

[BUGFIX]

- Scan-period works somehow. (The formula for minimal scan period is still not correct enough and gives values, that are much higher as actually required, but it works).

V5.1.6

[NEW]

- Hall Sensor controls in parameter utility change automatically on timer event.

[CHANGED]

- Parameter Utility as PopUp (modal); cancel continuous if called it.

[BUGFIX]

- Minimal value of SplitTint = 0 (it was set to 400).

- Different little bugs with saving of selected measurements, saving in cont mode.

V5.1.5

[BUGFIX]

- SDCx3 require no password for executing of *PARAM:SERN.

V5.1.4

[BUGFIX]

- Error case of illegal fit coefficients is treated. (If maxwav<minwav etc.)

V5.1.3

[NEW]

- Following parameters for SDCx3 - PARAM:MAXAVER, CONF:BTEN, CONF:DISPEN, CONF:RTCEN, CONF:SDCARDEN are implemented in parameter utility.
- The user must input the password for saving of parameters only once.
- "About" is also closed with a ESC.

[BUGFIX]

- PARAM:MAXTINT for SDCx3 was fixed (MAXTINT parameter was not read from a SDCx3 device because the last "T" is obligatory, though by older devices it was not).

V5.1.2

[CHANGED]

- DLL 3.3.9
- PU - SPNUM and SERN - strings

[BUGFIX]

- PU - changing properties of some controls after changing back from SDCx3 to an older device.

V5.1.1

[NEW]

- Firmware version as a parameter. Is also saved into text parameter file.

[CHANGED]

- Parameter Utility tabs are not multiline anymore.

[BUGFIX]

- SAVE-button is dimmed after the program start.
- Measuring routine - handling of errors -> message box with a description, cancel continuous

V5.1.0

[NEW]

- Export to Excel exports also tint and device serial number.

[CHANGED]

- Save continuously toggle on the main panel instead of checkbox in menu.
- Export to Excel is completely revised internally.

[BUGFIX]

- tint control precision has not depended on device type. -> fixed
- Not updating of controls in parameter utility (reported by Mr. Morgenstern due to OFFSET und by Gudrun due to SERN) -> fixed

V5.0.3

[NEW]

- SLEEP in parameter utility for SDCx3.

[CHANGED]

- Connect-toggle is now a binary switch.
- Statistic works in a more logical way. :)
- It is possible to switch between, for example, dark and reference measurements during continuous measurement without having to interrupt it.
- (internally): all 6 measuring buttons refer to a single callback function.
- (internally): continuous measurement refer to the same measurement routine as measurement buttons.

V5.0.2

[NEW]

- Abort measurements (ESC).
- Wavelengths/pixel-range of x-axis with double-click is set to its limits.
- Parameter utility: measuring of sync. frequency.

[CHANGED]

- Connect-disconnect-button as icon
- FWHM-mode - "Copy to text buffer" feature instead of table view.
- (internally): FWHM-mode, measuring routine are changed to make them more transparent and stable.

V5.0.1

[CHANGED]

- Tint - float.
- Excel is not closed if disconnected.

[BUGFIX]

- started without device - no more freezing if changing Tint.

V5.0.0

[RELEASE]

Release of VersaSpec V5.0.0