JDSU MAP-200 Main Controller Software Release Notes

Version: 3.4.12

Date: Feb 12, 2015

!!!IMPORTANT UPGRADE DIRECTIONS!!!

1) It is recommended to backup all User data from the MAP-200 before an upgrade to prevent loss of data in case of failure. The upgrade

to FW2.10.12 will automatically backup the PCT database. However, other user data and reports will not be saved. Backups can be performed

by copying the data to a usb stick through the MAP filemanager. Alternately, data can be copied via ftp over a network connection.

2) An upgrade vulnerability has been identified with operation of the mORL cassette. As a precaution, please REMOVE any mORL cassettes

from the MAP Chassis and reboot before attempting this upgrade. Other cassettes are not affected.

!!!MAP-200 DOWNGRADE INSTRUCTIONS!!!

1) Do not attempt to downgrade to MAP-200 firmware EARLIER than . The Downgrade may fail or lead to firmware failure.

2) If downgrades to version earlier than 2.9.6 are required, contact JDSU Support for instructions.

FW Release Highlights:

* PCT Test Time Improvements

    * New PCT "Live Mode" Widget

* MAP-200 Cassette Module FW Upgrade Manager

New Features (from 3.3.4)

1.1 PCT Test Time Improvements

- Reduced RL Scan Time overhead so all RL measurement times are improved

- Added a 1s Averaging Time option for use in certain measurement regimes

1.2 New PCT Live Mode Display

- Replaced the OPM Widget with a continuously updating display of IL an RL measurements

- Intended for quick checking of fiber connections before running an actual measurement

1.3 PCT Allow barcode scanning of SN/PN in script mode [MAP-531]

- In New Script dialog, allow barcode scan or entry of Part Number to filter test selections

1.4 PCT Script Versioning/Active flag [MAP-530]

- Allows setting of an "Active" field to allow operator selection of only "active" scripts

- This is intended to help management of multiple versions of the same script

1.5 PCT Script View usability improvements:

- Changed to show the port map setup button even for Fixed port map tables

- Added "Next/Start" button, that combines the Next and Start button clicks where the next step is a DUT measurement

- "Resetest all failed paths" checkbox now only shown if step has > 1 DUT path

1.6 PCT Test Script Filter Persistence [MAP-529]

- Test Script fiter settings in the Test script selection filters dialog are now saved between tests

Bug Fixes (from 3.3.4)

2.1 PCT Source Power Drop [MAP-502]

- PCT source output power may drop about 16dB sometimes. Can be recovered by power-cycle or reset.

- Occurs when OTDR "range" is incorrectly determined during referencing

- Fixed.

2.2 PCT Export to CSV from mySQL database creates garbage data [MAP-499]

- Database records and report are ok, but exported CSV is garbage

- Fixed.

Known Issues (with FW 3.4.12)

3.1 Touchscreen does not work with certain keyboard and mouse combinations

- Gui does not support too many usb input devices; typically will lose touchscreen first

- Some keyboards internally combine mouse functionality which adds additional input devices

- workaround: try to use a "simple" keyboard and a single mouse with the touchscreen

3.2 mOPM and mTLG Hot Swap may cause card not to be recognized

- workaround: avoid hot-swapping mTLG and mOPM cassettes

- If cassette remains un-recognized, a reboot may be neccessary

3.3 [OpmScope] Auto-Gain Switching may cause apparent transients in OpmScope

- The mOPM uses gain-switched amplifiers to cover a large optical dynamic range. However, if optical transient signals cross gain-switch boundaries,

OpmScope will record the gain-switching transients of the amplifier. These gain-switch transients may corrupt the optical signal you are measuring.

- This is not a bug, but a limitation of using switched linear optical amplifiers.

Be aware of the dynamic range of the optical signal you are measuring; either reduce you dynamic range or change the optical signal level to fall

completely within a single gain-range of the mOPM

- Alternately, configurare the mOPM device (possible from within OpmScope) to use a fixed gain stage. However, avoid saturating the gain stage and note

of the possible loss of resolution at the low power ranges.

3.4 *RST and gui Reset behavior change

- Prior to 2.4.20, *RST and cassette gui reset performed a "software" reset only: only the cassette settings were provisioned to factory defaults.

- Since 2.4.20, *RST and cassette gui resets will issue actual "hardware" resets, causing physical hardware and full software resets.

- The implication is that the reset recovery time may be extended (to up to 20s, depending on the cassette type)

- During this period, the cassette and gui will be unresponsive

- Workarounds:

1) Wait until the reset is complete before continuing.

2) Use the *RCL command instead of *RST to restore cassettes to the factory default state.

3.5 Legacy MAPA Attenuator Beam Block GUI update with SCPI commands

- MAPA attenuator beam block GUI may not match actual beam block state when changed using SCPI automation

- GUI is updated with next beam block query command

- Workaround: always do a query of the beam block state after changing it's state when using automation

3.6 mOPM-B *RCL does not recall settings

- *RCL SCPI command does not restore mOPM settings

- A reset will recall the settings as selected by the Bootup State

- Workaround: Issue a reset to recall a saved state. However, you must wait for the cassette to complete it's reset cycle.

3.7 NI-MAX is unable to detect cassettes that have been hotswapped

- NI-MAX is unable to handle dynamically changing layout configurations

- A reboot is required for NI-MAX to re-enumerate chassis cassettes

3.8 Dymo printer does not work

- dymo not supported since FW2.6.8

- No workaround

3.9 Network printing with "PCL" protocol does not work

- Workaround: Try using PS (postscript) protocol instead

3.10 GUI "Reboot" function does not always perform a clean reboot

- The "Reboot" function from the GUI title bar does not function similarly to a "power-down" reboot

- Some cassettes settings are not properly saved and restored as a result

- Workaround: Use the "Shutdown" function or physically power-cycle the chasssis (using the front, circular, metal push button)

3.11 Possible Database Corruption vulerability with PCT

- The PCT databse can be corrupted if file operations (copy/move/delete) are performed while PCT is running

- This includes file operations from the MAP file manager or through FTP

- Workaround: Ensure PCT is closed before doing file operations. The PCT is closed by using the "X" icon button on the main screen.

3.12 PCT reporting with a large number DUTs may not print

- when printing a test with a large number of DUTs (fibers) in a single test, the generated report may not spool to the printer

- the pdf report is generated correctly

- Workaround: generate a pdf report and copy to the usb or network drive for printing on a PC

3.13 Duplicate IP Address not dectected on network change

- A network duplicate IP address may not be detected

- proper behavior would be to automatically disconnect from the network and inform the user

- workaround: Use care assigning static IP addresses on a DHCP administered network

- workaround: Generally not an issue when using DHCP

3.14 FTP to the MAP-200 is unable to write and delete files in sub-folders

- Write access is not granted to external FTP for sub-folder contents

- Workaround: Use the MAP-200 File Manager to manipulate files. When copying files to the MAP-200, you can copy to the root and then use the File Manager

to move the files to the final location.

You can also use USB memory sticks with the File Manager to copy files to and from the MAP-200 chassis.

3.15 mSRC Self Test always reports FAIL

- Self test button on mSRC GUI always returns as FAIL even when the actual test is PASS

- Workaround: SCPI automation command for Self Test returns correct results.

3.16 PCT operatation with both SM and MM mORL cassettes may cause measurement errors

- If a SM and MM mORL cassette are present in the same chassis, intermmittant measurement errors may occur after switching from MM to SM cassettes (or vice versa)

- A reboot of the chassis may be required to clear this problem

- Issues seems to occur only if the MM mORL cassette is inserted "right" of the SM mORL cassette

- Workaround: Ensure that the MM mORL cassettes is in slot 1 and the SM mORL cassette is in slot.

3.17 PCT Export from mySQL to CSV creates garbage data

- When connected to a remote mySQL database, export to CSV fails and exports garbage data

- No workaround available

3.18 mVOA-C Wavelength Offset Table functionality has been removed as workaround for Issue 2.3

- Workaround: Wavelength offset table functionality can still be accessed through remote SCPI commands.