

Product Release Notes

Product: Ponemah Physiology Platform
Model: Ponemah
Version: 5.00-SP3
Build: 006328-003 (CD Build)
Date: January, 2013

Product Release Notes for Ponemah Physiology Platform version 5.00 Service Pack 3 (SP3) indicate revisions made to the Ponemah core application since release of version 5.00-SP2. For information regarding changes to the software from previous versions, please refer to the Release Notes folder located on the version 5.00 CD and subsequent Service Pack CDs. Product Release Notes indicate only revisions to application contents that are part of a specific CD build.

Product Release Notes for Ponemah do not include information regarding revisions of the Ponemah Analysis Modules. Information regarding revisions to the Analysis Modules is detailed in separate Product Release Notes.

Notice for organizations that must comply with FDA's Good Laboratory Practices (GLP) and 21 CFR Part 11 Electronic Records; Electronic Signatures: Ponemah Versions may contain **Preview Features**. These **Preview Features** are listed in the Product Release Notes table under the column, "Type of Change". A **Preview Feature** indicates that enhancements have been made to Ponemah, but have not been validated. Instead, Data Sciences International (DSI) has opted to delay complete validation until receiving comments from customers regarding use of these features. Further validation of these features will be performed in later releases of Ponemah. There may be additional **Preview Features** that had been documented in previously released versions that are not documented here. These features are not available unless manually enabled by the user. If documentation is needed regarding these features, please contact the DSI Technical Support Group – support@datasci.com.

| Reference # | Type of Change | Previously Fixed | Key: N = New Feature; E = Enhancement; F = Fix Description |
|-------------------------------|----------------|------------------|--|
| Ponemah Core - General | | | |
| 3767 | F | N/A | <p>Ponemah validates a protocol upon loading a previously saved protocol and upon saving modified settings. This validation process checks for any conflicts and incorrect setting entries to ensure successful acquisition and Data Reduction. During the protocol loading validation process, Ponemah would attempt to validate Disabled channels/groups within the Data Reduction setup, which are ignored during the settings saving validation. This would result in a protocol loading validation failure with no notification displayed to the user. When this loading validation failed, the previously loaded protocol's Data Reduction configuration would remain present and roll over into the newly loaded protocol.</p> <p>This has been corrected such that the protocol loading validation will ignore disabled groups. Additionally, if the load validation fails, the default Data Reduction settings will be loaded and a notification has been added to alert the user of the issue.</p> |
| 3726 | F | N/A | <p>When creating a freeform event (click Functions Events and type in an event) with an apostrophe character, the resulting XLS spreadsheet generated after acquisition does not contain the event or any events created after the offending event.</p> <p>This has been fixed.</p> |
| T15043 | F | N/A | <p>RAW files cannot be concatenated on a secure system. When trying to combine RAW files on a secure system, an error would occur indicating that the new RAW file could not be written.</p> <p>This has been fixed.</p> |
| T15156 | F | N/A | <p>Occasionally, an error message could be seen stating that the refresh time associated XY-Loop and Scatter graphs is less than 0.01 second despite these graph pages being disabled.</p> <p>This has been fixed.</p> |
| Data Review | | | |

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|--|----------------|------------------|---|
| 3764 | F | N/A | <p>When Saving a Mark Section within Ponemah Review on a Windows XP SP3 machine, the following error message may be seen under certain conditions due to memory fragmentation.</p> <p>GouldServer-1</p> <p>This would result in the ODBC interface file (MS Excel® or Access®) not being created.</p> <p>This was not seen when using a Windows 7® computer and has been corrected to better manage the Windows XP® memory. Additionally, the displayed message has been updated to indicate that insufficient resources are available.</p> |
| 3768 | F | N/A | <p>Starting in Ponemah v4.90, Ponemah required a T0 (time zero) event to trigger Data Reduction to start when using Parser Segments as the Reduction Type. However, a T0 event may not be necessary if the user wishes to use the first parser segment. This situation would result in empty Data Reduction tables and would require a T0 event to be placed at the beginning of the recording in order for the tables to populate appropriately.</p> <p>This has been corrected to allow Data Reduction tables to populate when the Reduction Type is set to Data Parser and no T0 event is entered. In this case, the first parser segment will be used to reduce data.</p> |
| Jacketed External Telemetry (JET) | | | |
| 3719 | F | N/A | <p>During JET acquisitions, a 'y-event' may have been randomly marked without user action or desire. Y-events are used to mark external triggers collected from the ACQ-16 or ACQ-7700 hardware devices.</p> <p>This has been corrected.</p> |
| 3758 | E | N/A | <p>JET log files have been improved to provide a more comprehensive picture of JET activity.</p> |

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| 3759 | F | N/A | <p>Minor resource leak discovered while acquiring from JET. This would not have impacted operation and system performance during the acquisition.</p> <p>This was fixed for proper coding procedures and practices.</p> |
| 3761 | F | N/A | <p>Bluetooth commands were originally sequenced per JET receiver/WRAP. This could have led to multiple, simultaneous commands being sent across all Bluetooth frequencies and contribute to system instability.</p> <p>This has been corrected to sequence commands across all JET receivers/WRAPs associated with the PC.</p> |
| 3762 | F | N/A | <p>JET receivers/WRAPs may lose the Windows® port connection with one of its Bluetooth radios which will prevent searching for lost JET device. For example, if the radio port connection drops and a JET device goes out of range and then comes back into range, the JET receiver would not search for the missing device.</p> <p>This has been corrected.</p> |
| 3763 | F | N/A | <p>When stopping a JET acquisition, the Quality of Service dialog takes some additional time to close. When quickly restarting an acquisition, messages from the earlier acquisition may be seen in the JET logs.</p> <p>This has been corrected.</p> |
| 3772 | F | N/A | <p>When searching for JET receivers/WRAPs within the JET Device Configuration, Ponemah would occasionally close unexpectedly.</p> <p>This has been corrected.</p> |

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| 3773 | F | N/A | <p>When JET devices were located at the edge of the JET receiver reception range, JET device buffers may have rapidly risen to 99%. This could result in system instability, device timeout/drop out, and JET device data buffer overflow messages.</p> <p>This has been corrected to better handle JET device activity when operating at the edge of the JET receiver reception range, as well as to safe guard against high buffer activity.</p> |
| OpenART | | | |
| N/A | N | N/A | <p>Added support for the new HD-S11 small animal transmitter. This small animal device offers digital transmission of:</p> <ul style="list-style-type: none"> • Animal ID - This prevents data being incorrectly recorded if an animal is placed in the incorrect cage. • Battery Odometer – Keeps track of the time the transmitter has been on. • Battery Voltage – Monitors the status of the battery. • Calibration – Stored within the device and loaded automatically. Removes entry errors by eliminating the need to hand enter values. |
| 3756 | F | N/A | <p>If using a transmitter module configured with a BPR definition to derive respiration from blood pressure, the input channel order of pressure and respiration from blood pressure may switch. This switch can be seen in the OpenART Configuration window and the order listed will persist into Ponemah's Channel Input Setup.</p> <p>This has been fixed to always list the BP and BPR channels in the same order.</p> |