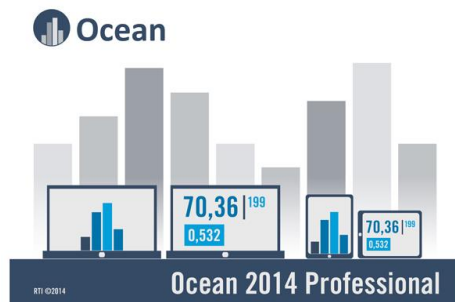


Product Note

Ocean 2014 – News in Release R16-2.2

Release information



Release date		2017-09-01
Release name		R16-2.2
Installer	Ocean 2014 Installer	2017.8C
Ocean 2014 version	Ocean 2014 Setup	2017.08.21.257
EXE file version	Ocean 2014.exe	1.0.2.18847
DLL version	RTICMLib.dll	3.0.1.9120

This is a new release of Ocean 2014 for Cobia and Black Piranha.

This release of Ocean 2014 has been mainly dedicated to maintenance. Reported bugs have been fixed, and some new features have been added.

New Customer Values

Below the most important news are described.

Average Glandular Dose - Support for the 2016 implemented ACR Digital Mammography protocols.

A new AGD Analysis have been implemented that follows the 2016 release of ACR Digital Mammography Manual.

Extended AGD (EUREF) factors up to HVL of 0.8 mm Al

The AGD applications have got extended conversion factors to support HVL values in the range 0.6 to 0.8 mm Al.

Dose Per Frame in Mammography Quick Check

A new application for dose per pulse is implemented for Mammography Quick Check. It is found under Applications from Mammography Quick Check.

Improved Frame Rate calculation

Under some circumstances Ocean could give totally wrong Frame Rate. This have been significantly improved with this Ocean release (Piranha only).

Double Dose value in grid

A few cases have been reported where the dose has become measured twice as high than expected. The bug has been identified and repaired with this release of Ocean 2014 (Piranha only).

Extended energy correction data for External Dose Probe in mammography

A few cases have been reported where HVL measurements on mammography with the external dose probe fails. The reason was that Ocean in some cases for higher added filtration did not apply compensations correctly. This is now resolved.

Product Note

Database format

This version of Ocean has the same database structure as last version of Ocean. Last change of database structure came with the Ocean 2014 release R15-2, 2015.12A.

Any old database from previous versions is restructured when the new version of Ocean 2014 is started. This is an irreversible process and it is not possible to go back to an earlier version once the database has been restructured. For security reasons a backup file is created automatically and saved in the Ocean 2014 data folder. The file name is "DataBackupBeforeNewVersion.accdb".

Cobia and Piranha firmware

Piranha

There is no new firmware version for Piranha in this release. The lowest firmware that shall be used with this release of Ocean 2014 is 4.2B.

Cobia

To run the new version of Ocean 2014 existing Cobia shall be upgraded with a new firmware. The lowest Cobia system version that shall be used with this version of Ocean 2014 is 2017.5A.

Bluetooth Pairing

Note that it may take some time to pair the Piranha or Cobia with a new device the first time.

Resolved Problems

For a complete list please read the "Version History" document distributed with Ocean 2014.

Known Limitations

Dose rate and mA at short exposure time

Dose rate and mA can be underestimated for short exposure times. This is due to that the rate is calculated based on radiation time instead of irradiation time. (See Reference User's Manual for information about radiation time and irradiation time.)

The table below shows issues that have been reported and verified in a late stage of the work with this release, and consequently still valid in this release of Ocean 2014.

Issue #	Description
0008834	When using Capture function, the following measurements won't get any waveforms Using the Capture function in Ocean leads to that the waveform is not transferred from the Piranha to Ocean 2014. The only way to reset the error is to disconnect the Piranha and restart communication again.
0008798	Connection to Excel is incorrectly closed Excel may still be open after exiting an Ocean template that includes an Excel connection. Excel then has to be closed separately.
0008844	Windows 10 Bluetooth: "stolen" meter pairing stops meter from being found Windows may sometimes block Bluetooth devices from being found. A new pairing in Windows is then required.

Product Note

0008689	Quick Check "back" button can send you to the wrong place In some cases the "back" button in Ocean QuickCheck will direct you to the "New QuickCheck" screen.
0008877	Selecting QC → Dental → Back doesn't go back - it opens a QC Special case of 8689 above.
0008795	"Force position check" feature unavailable in Keyboard mode To add the function "Force position check" a Piranha must be connected. Else the function is not available.
0008885	Slow Bluetooth connection with some meters On individual and Widows 8 a dialogue pops up that asks to pair the Bluetooth. This must be accepted to continue. This has been observed only on a few Piranha and Cobia.

*** END ***

Product Note

Piranha – News in Release R16-2.2



Release information

Release date	2017-09-01
Release name	R16-2.2
Installer version	2017.8C
Firmware version	4.2B

The firmware version is available for both Black and Red Piranha. However some functionality available in Black Piranha is not available in Red Piranha, such as new radiation qualities.

This software release for Piranha comes together with releases of Ocean 2014 for Cobia and Black Piranha.

Note: This firmware version does not work with old versions of Ocean 2014, or other RTI software tools, including QABrowser. See also document, *PN_Pir_002_Compatibility_Chart_Public_v2017.8A*.

New Customer Values

There are no changes of Piranha Product version with this release. The Product version 4.2B was released first time with Release R16-2, in December 2016.

Known Limitations

Dose rate and mA can be underestimated for short exposure times. This is due to that the rate is calculated based on radiation time instead of irradiation time. (See Reference User's Manual for information about radiation time and irradiation time.)

For further information about limitations and resolved problems, see product note *PN_R16-2.2_Ocean*.

*** END ***

Product Note

Cobia – News in Release R16-2.2

Release information

Release date	2017-06-29
Release name	R16-2.2
Cobia System version	2017.5A
Cobia Firmware version	5.10A



This is a new system release for Cobia, which comes together with releases of Ocean 2014 for Cobia and Black Piranha.

This release of the Cobia has been mainly dedicated to limited maintenance. Reported bugs have been fixed.

New Customer Values

Below the most important news are described.

Using detector cable longer than 5 m caused under estimation of dose

Underestimation of dose have been reported using detectors with long cables. The error was identified and resolved with this release.

Display Hanging when disconnecting from Ocean

The Cobia display could hang when disconnecting from Ocean 2014. This has been identified and resolved with this release.

Other minor bug fixes and improvements have been done.

Known Limitations

The table below describes limitations that have been observed and not been fixed in the release.

Description
Using Cobia and CT Dose profiler for point dose measurements in radiography, the read dose value will not be energy compensated for the added filtration set in the grid. To get energy compensated values the Total filtration value in Meter Settings has to be used.
Using RTI Chamber Adapter with multiple ion chambers, the Cobia cannot handle chambers with identical serial numbers. The result is that even if selecting the second chamber, Cobia will assume that the first one is in use. This will cause measuring error if present. However normal use of RTI chamber adapter will not include ion chambers with identical serial numbers.
At short exposure times (<5 ms) the highest dose rate is limited to 17 mGy/s for the internal detector, and 2 mGy/s for the external dose probe. This is described in Reference User's Manual v2017.5A under specifications.

*** END ***



Product Note

Compatibility Chart - Piranha and Barracuda

In general RTI recommends following the free upgrade program of the RTI products. This ensures to have the latest features of the product. It also gives access to support from the RTI support team.

Over time a range of hardware versions and software versions have been released for the Piranha and the Barracuda. Below follows a chart that describes the most important releases that have to do with compatibility. For users who have more than one RTI instrument it is of great importance to understand which Piranha and/or Barracuda versions that cannot be used with the same software versions of Ocean, oRTIgo, QABrowser, etc. If having "in-compatible" hardware versions, one can still use both. Dual versions of the software may then have to be installed on the PC.

The Software release version shown in the header in the table below is the version of the installation package that is available on CD, USB stick, and for download from the website, www.rtigroup.com.

	Black Piranha	Red Piranha	Black Piranha	Red Piranha	Red Piranha	Barracuda
Hardware version	5.x	1.x – 3.1	5.x	1.x – 3.1	1.x – 3.1	1.x -4.x ¹
Firmware version	4.2x	4.2x	4.0x	4.0x	3.3x	3.3x
Ocean 2014 v2017.08.x.x	●	●				
Ocean 2014 v2015.12.x.x			●	●		
Ocean v2013.12.x.x					●	●
QABrowser v5.1B			●			
QABrowser v4.4C				●		
QABrowser v4.3B					●	●
oRTIgo v6.5A	⚠		⚠		●	●
CT Dose Profile Analyzing Software					Note 2	Note 2

¹ The version number for Barracuda given in the table is the MPD hardware version.

² The CT Dose Profile Analyzing Software can be used with the firmware versions 3.3x only if the CT Dose Profiler is not used with Ocean. One have to decide to use the CTDose Profiler either with Ocean or with CT Dose Profile Analyzing Software.

x An "x" in the end of the version description can be a number or a capital character A to Z.

⚠ oRTIgo can connect with Piranha of hardware version 5.x and higher, but will lead to incorrect displayed measurements.

Handheld devices

Depending on model of Handheld device there are restrictions in which version of QABrowser that can be used, and thereby also which hardware and firmware versions of Piranha/Barracuda that can be used. The table below shows what QABrowser version is the lowest compatible version. The version specified in the chart or a later version must be used for specified handheld device.

	QABrowser version
RTI Handheld Display (Aceeca PDA32)	4.2B or higher
HP iPaq (models 111 and 114)	4.0A or higher
Palm Tungsten	2.0A or higher

*** END ***