Console

The console is an element of the main GUI. Data appears in the console when a sample or a curve is highlighted in the main GUI and when operations have completed such as dose estimation. The console displays information in real-time, while reports can be used to save information related to samples, calibration curves, or dose estimation results. The console also contains tabular output when a plot is generated, providing a method to view the numerical data which forms the plot.

Example console output

The console is updated in real-time upon completion of a variety of events. Some example console output is shown below.

A sample has completed processing

------ May 23 15:43:13 Summary of Processing Sample: **Xray 0** In the file folder of Xray 0: D:/BioDosimetry Curve Data/AECL/Xray 0 500 image file(s) are found in total. 500 file(s) are processed. 0 file(s) are damaged, corrupted or missing.

A sample is highlighted

May 23 15:16:46 Sample: CNL2GyAll Description:		
Images in total: 996 Images path: <u>D:\BioDosimetry Curve Data\AECL\CNL Xray 20</u> DC analysis result in all 996 images DCs in all images, FP flag 126	Sy All Inv	
SVMs Sigma 0.8 Sigma 0.9 DC Count 6 37 DC Frequency 0.006 0.037	9 Sigma 1.0 Sigma 1.1 Sigma 1.2 Sigma 1.3 65 132 193 247 0.065 0.133 0.194 0.248	Sigma 1.4 Sigma 1.5 Sigma 1.6 Sigma 1.7 Sigma 1.8 289 349 409 447 489 1 0.290 0.350 0.411 0.449 0.491 1
DC analysis result in 996 selected images, no image selection DCs in selected images, FP flag 126	applied, using all images	
SVMs Sigma 0.8 Sigma 0.9 DC Count 6 37 DC Frequency 0.006 0.037 	9 Sigma 1.0 Sigma 1.1 Sigma 1.2 Sigma 1.3 65 132 193 247 0.065 0.133 0.194 0.248 	Sigma 1.4 Sigma 1.5 Sigma 1.6 Sigma 1.7 Sigma 1.8 289 349 409 447 489 0.290 0.350 0.411 0.449 0.491

A curve is highlighted

Fitting Stats: Chi-square 0.000101308; R² (Coefficient of Determination) 0.999899; Degrees of Freedom 2

	Image Selection Mode
isabled CL is disabled No imag	selection is applie
isabled CL is disabled No imag	e selection is applie
isabled CL is disabled No imag	e selection is applie
	· · · · · · · · · · · · · · · · · · ·

A classified object / segmented object plot is generated

May 23 15:34:18 Classified Ratio Distribution in sample CNL3GyAll Distribution part 1									
Classified Ratio Range	[0.00, 0.05)								

Classified Ratio Range	[0.00, 0.05)	[0.05, 0.10]	[0.10, 0.15)	[0.15, 0.20)	[0.20, 0.25) [0.	25, 0.30) [0.30, 0.35]) [0.35, 0.40)
Percentage of Such Images	0.008	0.000	0.000	0.001	0.001 0.0	005 0.010	0.017
Distribution part 2							
Classified Ratio Range	[0.50, 0.55)	[0.55, 0.60)	[0.60, 0.65)	[0.65, 0.70)	[0.70, 0.75) [0.	.75, 0.80) [0.80, 0.85]) [0.85, 0.90)
Percentage of Such Images	0.078	0.078	0.076	0.094	0.099 0.1	109 0.108	0.105