Using the Batch Processor

Spectronon's batch processor allows the user to choose a number of datacubes at once and set up processing steps (plugins) to execute sequentially on the chosen files.

1. Start the batch processor by selecting File \rightarrow Batch Processor. Expand the directory tree on the left side of the window to find the location of the datacubes you wish to process.

Batch Processor				23
Select the datacubes to be processed:				
SWTOOLS Users users	Add Rec Add	sor_test\tes	st data Wrea 1-1(20150527_11 st data Wrea 1-2(20150527_15 st data Vrea 1-3(20150527_15 st data Vrea 1-3(20150527_15	9h38m_pika_gige_2.bil 9h38m_pika_gige_3.bil
			OK	Cancel

- 2. Use the buttons in the middle of the screen to select the desired datacubes. The Add button will add a single datacube, while the Add Folder adds every cube in a folder. Recursive Add Folder will search every nested folder. When you are happy with your selection, click Ok. A new window appears to define the plugins you wish to run.
- Use the directory tree to select the cube plugins you wish to process. Cube plugins generate new datacubes and will run in the order selected, as shown in the Cube plugin sequence panel. Each plugin operates on the output of the plugin before it. Each plugin's setup window appears as you add it to the processing queue.



ect the plugins to apply:			Cube plugin sequence:	
Plugins			Airborne Radiance Conversion	
E-Cube Plugins			Normalized Difference Vegetative Index (NDVI)	
Utilities				
- Classify				
Analyze				
Correct				
- Airborne Radiance Conversion				
- Arborne Reflectivity Conversion				
- Correct From Cube				
- Correct From Measured Reference				
 Correct From Spectrally Flat Reference 				
- Radiance Conversion				
Reflectance Conversion		Add >>		
- Color				
Agricultural				
 Anthocyanin Reflectance Index 1 				
 Anthocyanin Reflectance Index 2 		<< Remove	Renders (produced from final cube of sequence):	
 Atmospherically Resistant Vegetative Index 				
- Carotenoid Reflectance Index 1		Clear		
- Carotenoid Reflectance Index 2				
- Enhanced Vegetative Index				
 Modified Chlorophyll Absorption Reflectance Index 		Edt		
 Modified Red Edge Normalized Vegetation Index 				
 Modified Red Edge Simple Ratio Index 				
- Normalized Difference Vegetative Index (NDVI)				
 Photochemical Reflectance Index 			Render Export Format .png v	
- Plant Senescence Reflectance Index				
- Red Edge Normalized Difference Vegetation Index			Output Files	
 Simple Ratio Index 			Select output file location: xom/batch_processor_test/vesults Browse	
 Structure Insensitive Pigment Index 			S seen and at the second	
- Transformed Chlorophyll Absorption Reflectance Index			Place output files in same folder as input files	
 Vogelmann Red Edge Index 1 			Copy LCF and times files?	
 Vogelmann Red Edge Index 2 				
 Vogelmann Red Edge Index 3 			Export render KMLs?	
- Water Band Index			Add completed cubes to workbench?	
Oustering	*			

- 4. Image Plugins generate images from the final result of the cube plugin sequence. Select any image plugins you would like to run on the final datacube, then choose the desired Image Export Format from the dropdown.
- 5. Use the controls at the lower right to select the location to save results, either in the source folder of the datacube or in a separate, specified location.
- 6. The Copy LCF and times file checkbox can be used to copy these files to the same folder as the output datacube if this cube will be later georectified.
- 7. Press the OK button to begin processing.

NOTE: If using the Georectification plugin with the Batch Processor, please note that the saved location of some of the output products (.kml,.tiff,) are designated in the Georectification plugin dialog window, while the saved location of the georectified datacube is designated in the Batch Processor dialog window.