

# Isis 3 "qview" Demo

June 27<sup>th</sup>, 2012 Steven Lambright (Tammy Becker)

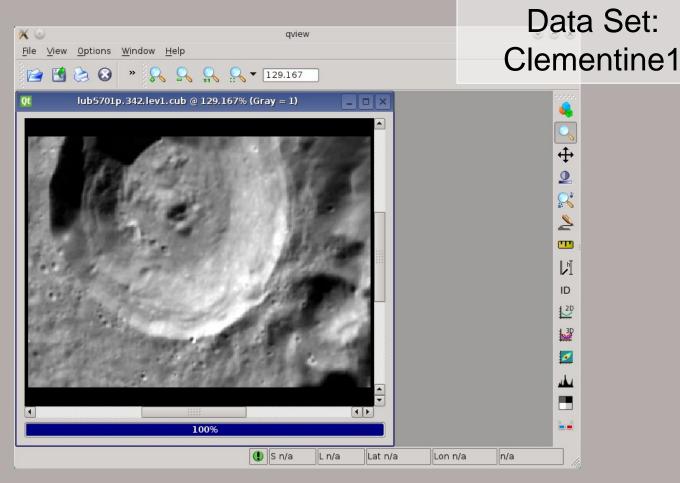


### **Visualization**

- Objective
  - Learn about the ISIS visualization tool "qview"
  - Introduction/Demo of most available tools
    - Tracking, Zooming, Panning
    - Stretch
    - Linking
    - Help ("What's This?")
    - Measure
    - Blink
    - Find
    - Spatial, Spectral, Scatter Plot
    - Histogram
    - Nomenclature
    - Statistics
    - Stereo

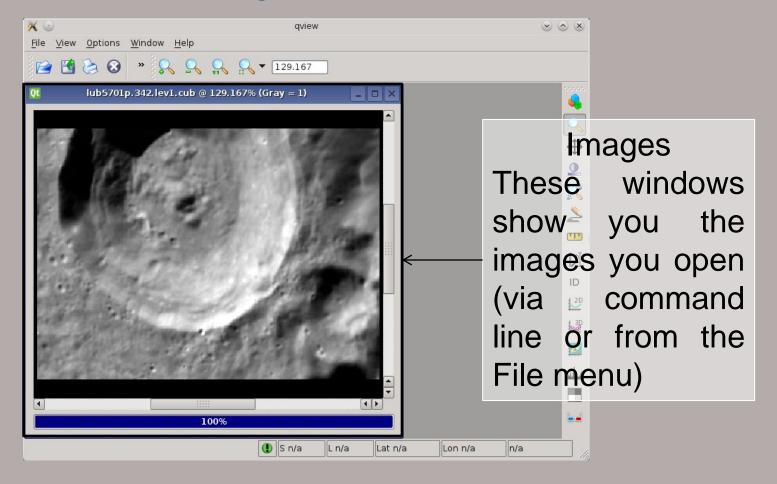


### **Interface Basics**



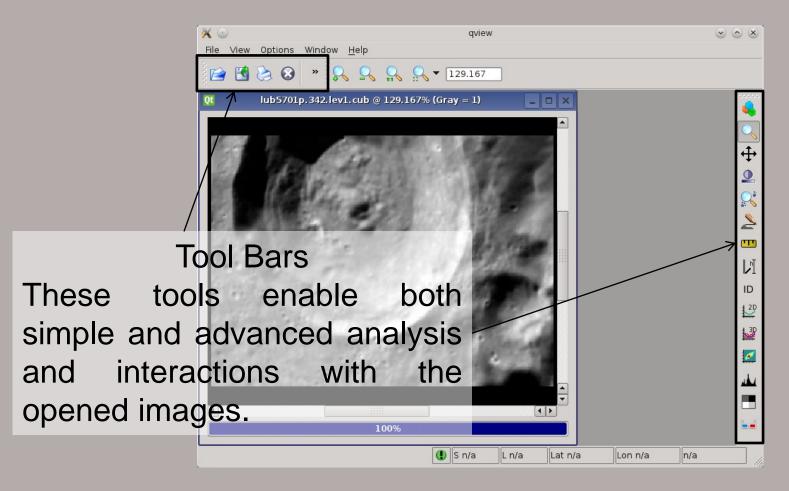


## Interface Basics – Images



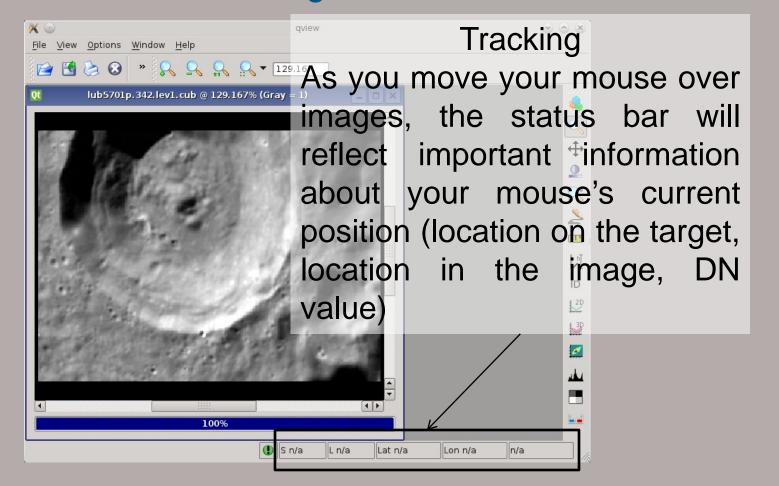


### **Interface Basics - Tools**



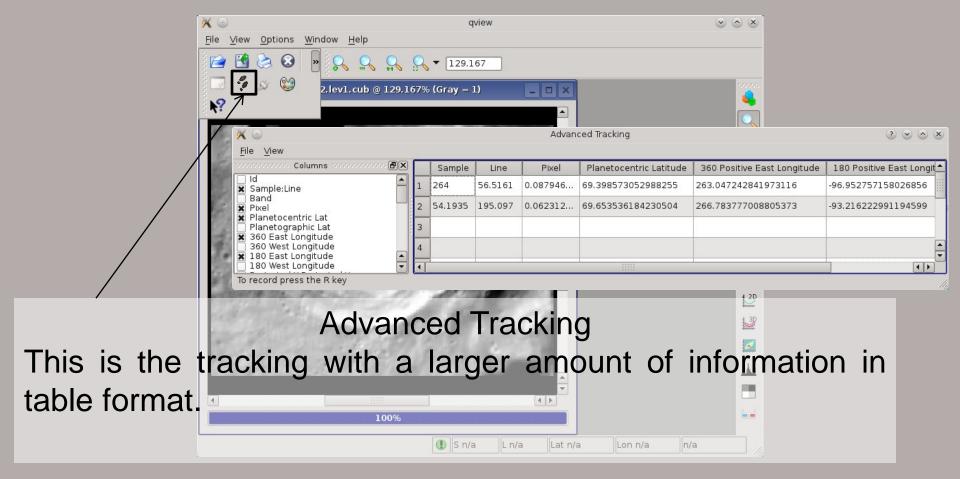


## **Interface Basics - Tracking**



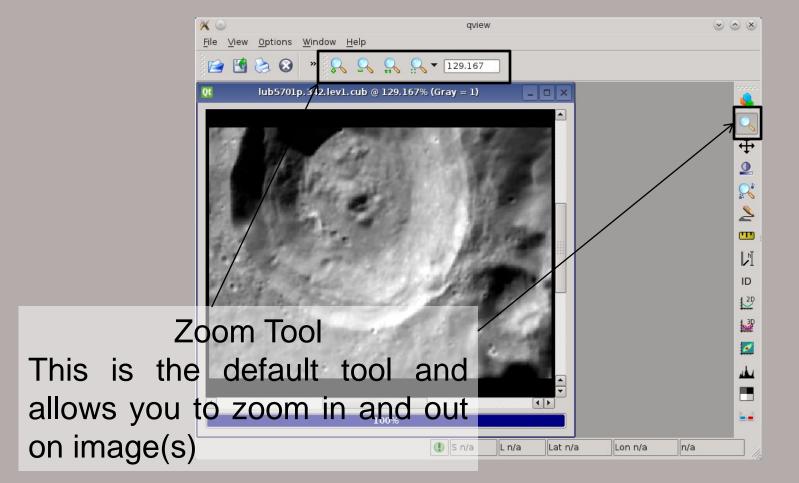


## Interface Basics – Advanced Tracking



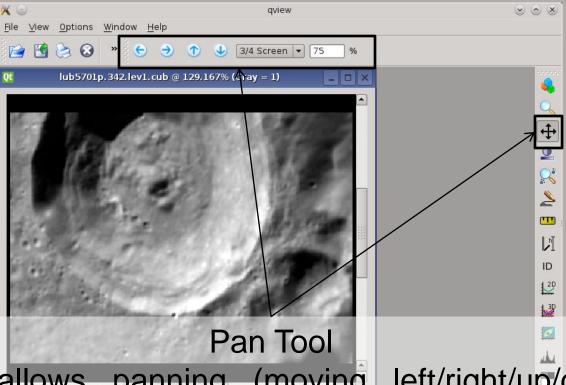


### **Interface Basics - Zoom Tool**





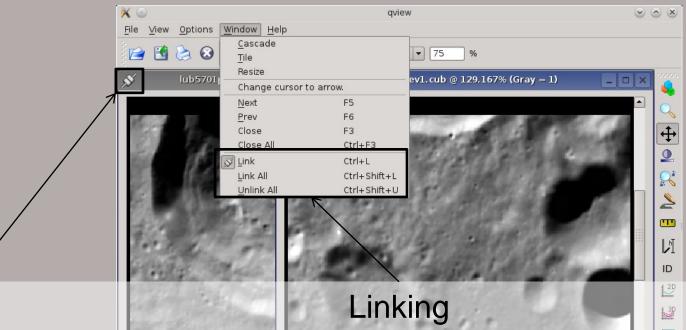
### **Interface Basics - Pan Tool**



This tool allows panning (moving left/right/up/down) on image(s). This allows you to traverse an image very precisely.



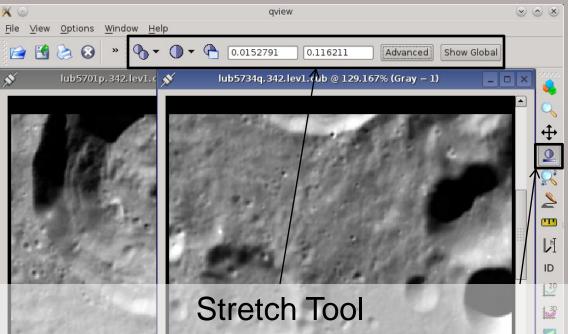
## **Interface Basics – Linking**



Actions performed on one linked image occur on all linked images. For example, if you link two images and then zoom in, both will zoom in. This applies to most tools.



### **Interface Basics - Stretch**



The stretch is the conversion from file DN (intensity) values to screen brightness. In this case, if the image contains '0.116211' on disk then it will be solid white on the screen.



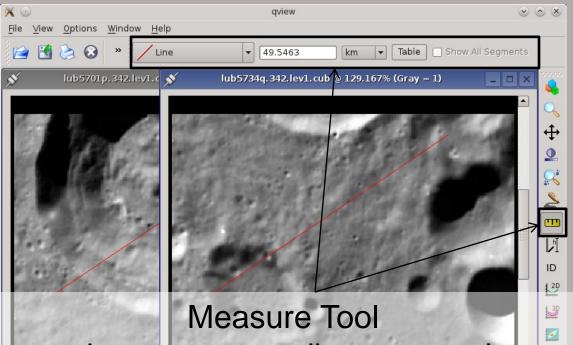
### **Interface Basics – What's This?**



The Help menu has an option "What's This?" To see help on any option, button or area press Shift+F1 or go to Help -> What's This?. The next thing you click on will pop up information about it.



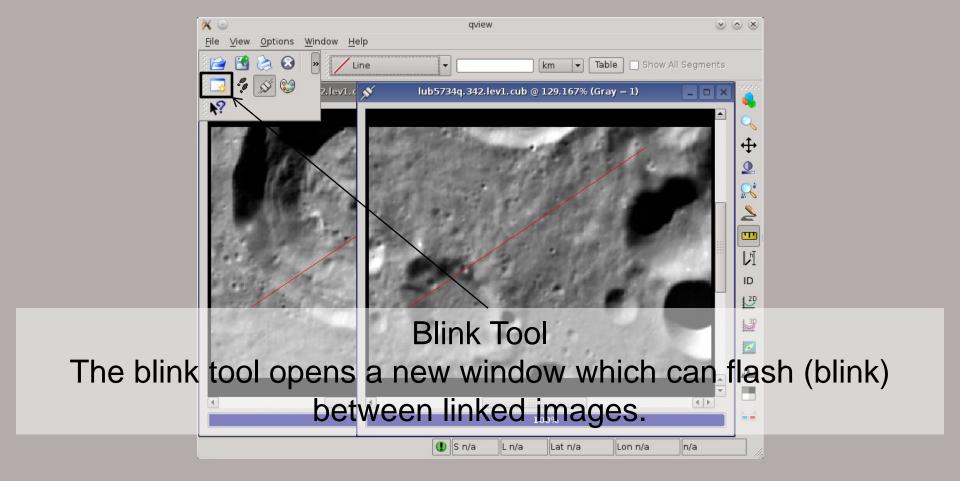
### **Tools - Measure**



The measure tool can measure distances on images in pixels, meters, and kilometers. It can also measure areas in pixels^2, meters^2 and kilometers^2 using a variety of drawing methods.

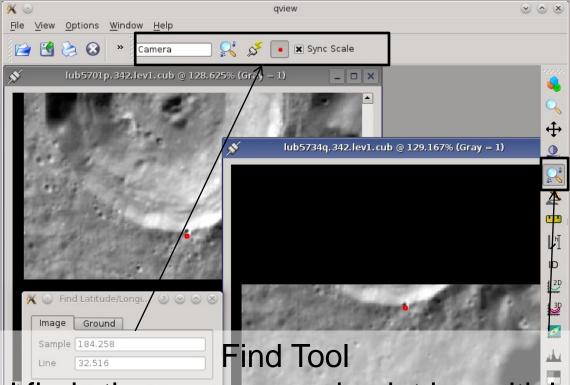


### Tools - Blink





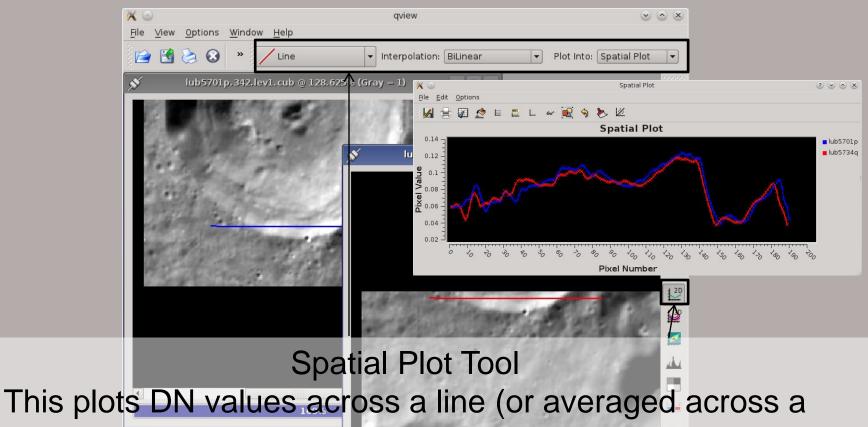
### **Tools - Find**



The find tool finds the same ground point in multiple images by clicking on one image or entering the location for one image.



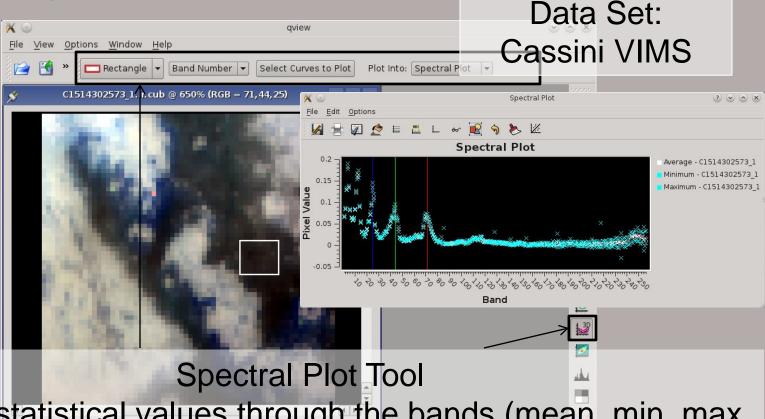
## Tools – Spatial Plot



rectangle).Lat n/a



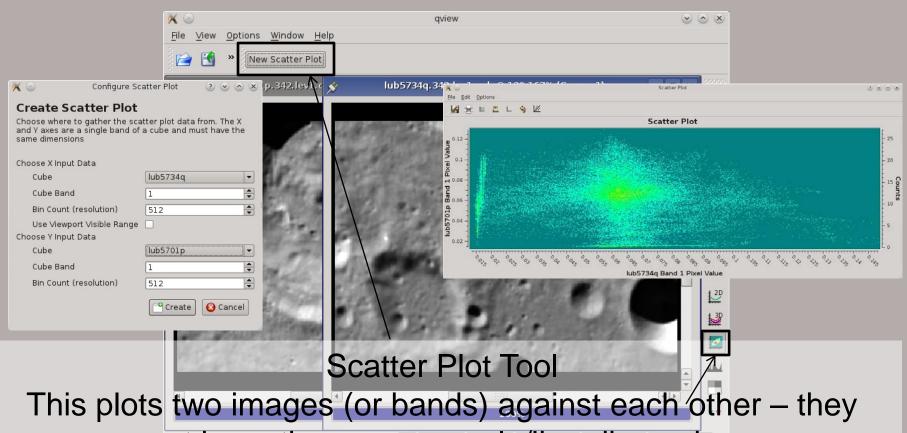
Tools – Spectral Plot



This plots statistical values through the bands (mean, min, max, mean +/- standard deviation, mean +/- standard error)



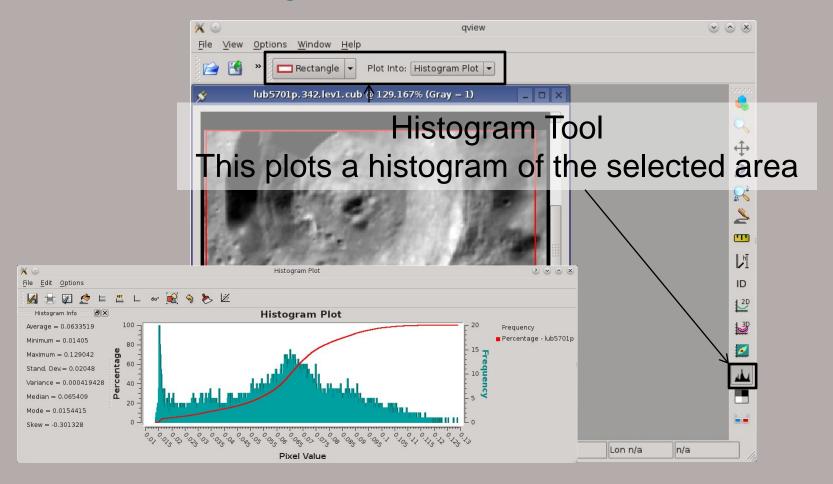
### Tools – Scatter Plot



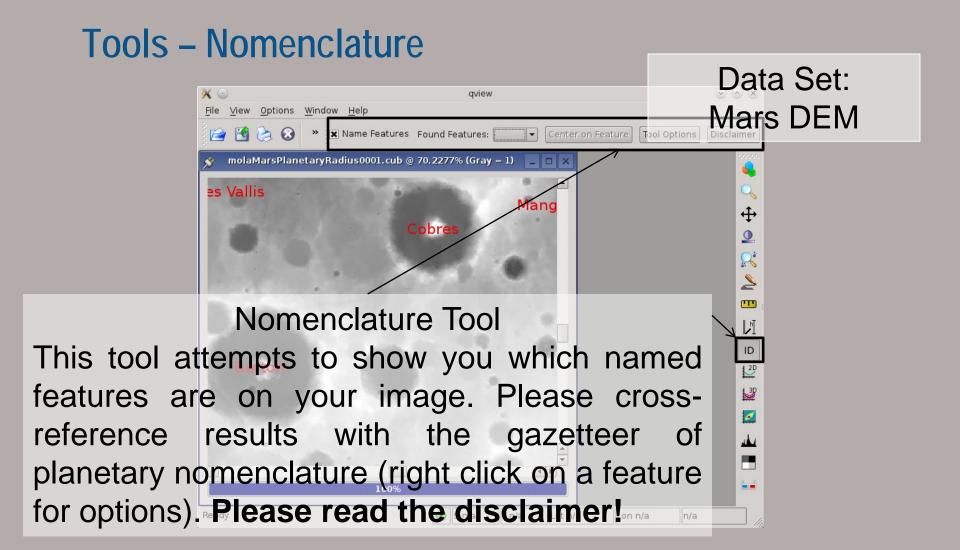
must have the same sample/line dimensions.



## Tools – Histogram









### **Tools – Statistics**

