

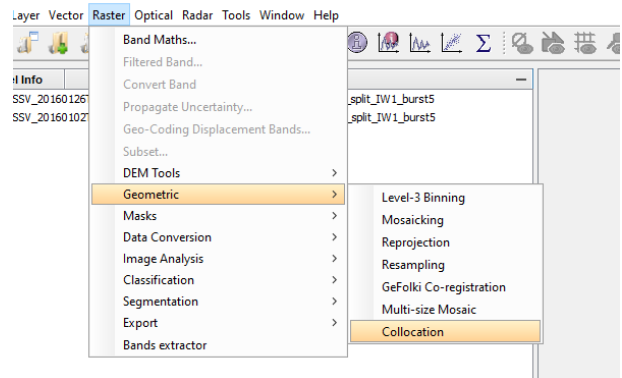
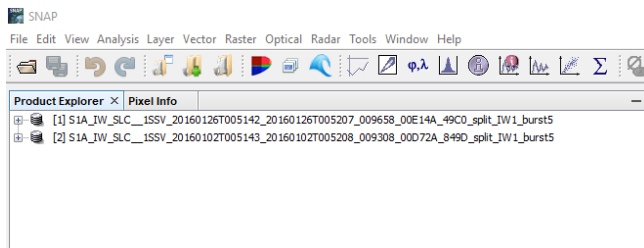
1-SNAP Toolbox

NOTES AND CONTENTS

1-What I learned during EO Collage:

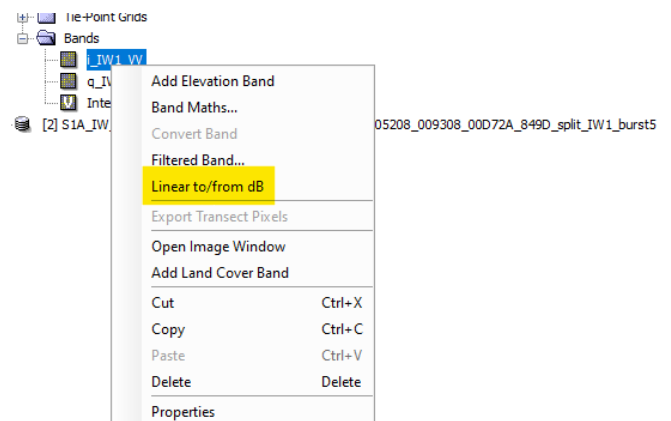
1-1 – Collection:

- In order to do "Band Math," we first must put the images we want into the same collection so we can do mathematical operations between them.
- Each of collections is denoted with [n] sign.



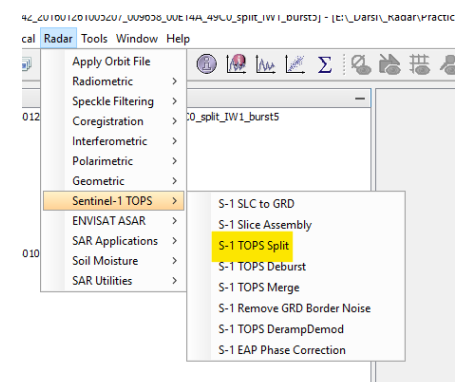
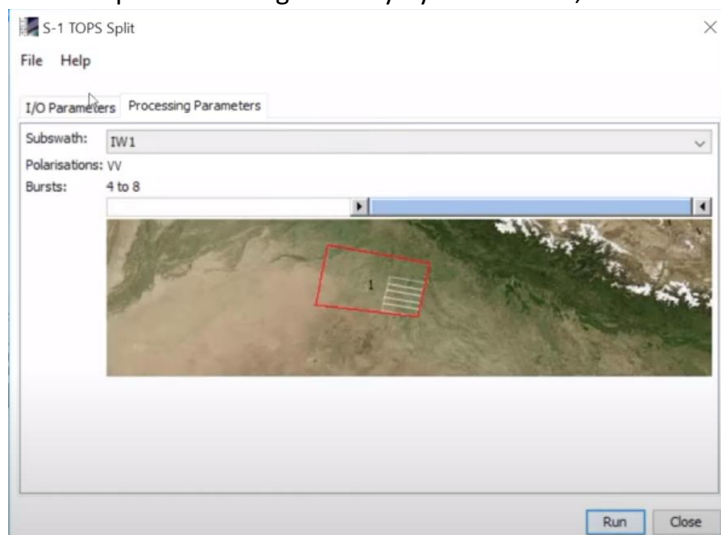
1-2 – Linear to dB and Vice versa:

So sentinel 1 is radar and each pixel value is power, in order to make it easier to do math on and stretch the histogram we can convert its band into dB, notice that when you do this as it is a log operation the **ratio (/) becomes subtraction(-)** when you want to do band ratio and so on...



1-3 Splitting Sentinel 1 images:

We can split radar images exactly by their Swath, SubSwath and Burst



1-4 Batch processing and Graph builder

<https://youtu.be/htme1WfRPh0>

It is the same as Model builder in ArcGIS and it is to create a work flow to apply on all the data without doing it over and over.

